

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059835.D
 Acq On : 20 Aug 2018 17:18
 Operator : JC/SY
 Sample : VD0820SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:24:56 AM

Quant Time: Aug 21 07:14:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	1064575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1482526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1217498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	598405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.96	65	436259	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
35) Dibromofluoromethane	5.50	113	589760	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	8.66	98	1597252	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
62) 4-Bromofluorobenzene	11.91	95	617799	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	173012	18.87	ug/l	96
3) Chloromethane	1.46	50	138778	17.87	ug/l	99
4) Vinyl Chloride	1.53	62	113975	18.31	ug/l	97
5) Bromomethane	1.76	94	10274	12.56	ug/l #	79
6) Chloroethane	1.84	64	22891	16.25	ug/l	91
7) Trichlorofluoromethane	2.05	101	113454	18.10	ug/l	100
8) Diethyl Ether	2.31	74	25839	18.45	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.51	101	81401	20.42	ug/l	98
10) Methyl Iodide	2.66	142	71576	16.08	ug/l	97
11) Tert butyl alcohol	3.23	59	31244	99.20	ug/l	97
12) 1,1-Dichloroethene	2.51	96	61548	18.85	ug/l	94
13) Acrolein	2.43	56	22677	71.07	ug/l	97
14) Allyl chloride	2.87	41	159653	19.15	ug/l	96
15) Acrylonitrile	3.31	53	142366	97.66	ug/l	98
16) Acetone	2.58	43	135662	95.00	ug/l	97
17) Carbon Disulfide	2.72	76	172776	15.94	ug/l	99
18) Methyl Acetate	2.89	43	55496	17.84	ug/l	96
19) Methyl tert-butyl Ether	3.36	73	370919	20.13	ug/l	99
20) Methylene Chloride	3.03	84	78400	16.10	ug/l	93
21) trans-1,2-Dichloroethene	3.34	96	152049	16.53	ug/l	97
22) Diisopropyl ether	4.03	45	865105	20.32	ug/l	95
23) Vinyl Acetate	3.97	43	2518020	110.10	ug/l	100
24) 1,1-Dichloroethane	3.92	63	374809	20.02	ug/l	99
25) 2-Butanone	4.78	43	436727	101.18	ug/l	97
26) 2,2-Dichloropropane	4.74	77	296951	20.21	ug/l	96
27) cis-1,2-Dichloroethene	4.75	96	229452	20.59	ug/l	98
28) Bromochloromethane	5.10	49	193003	20.34	ug/l	97
29) Tetrahydrofuran	5.14	42	233374	106.78	ug/l	100
30) Chloroform	5.28	83	377979	20.46	ug/l	100
31) Cyclohexane	5.54	56	306996	17.46	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	316171	20.31	ug/l	99
36) 1,1-Dichloropropene	5.70	75	256640	20.41	ug/l	98
37) Ethyl Acetate	4.87	43	197546	21.20	ug/l	99
38) Carbon Tetrachloride	5.67	117	260574	20.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	272702	20.28	ug/l	98
40) Benzene	5.96	78	683718	20.99	ug/l	100
41) Methacrylonitrile	5.08	41	97848	20.49	ug/l	98
42) 1,2-Dichloroethane	6.08	62	223870	21.11	ug/l	99
43) Isopropyl Acetate	7.58	43	278186	21.58	ug/l #	98
44) Trichloroethene	6.94	130	206393	21.30	ug/l	96
45) 1,2-Dichloropropane	7.30	63	201508	21.07	ug/l	98
46) Dibromomethane	7.41	93	128566	21.59	ug/l	95
47) Bromodichloromethane	7.70	83	280459	21.33	ug/l	99
48) Methyl methacrylate	7.46	41	153451	21.58	ug/l	97
49) 1,4-Dioxane	7.44	88	28217	468.97	ug/l	98
51) 4-Methyl-2-Pentanone	8.55	43	903595	104.84	ug/l	99
52) Toluene	8.76	92	444798	21.59	ug/l	98
53) t-1,3-Dichloropropene	9.14	75	259286	21.65	ug/l	100
54) cis-1,3-Dichloropropene	8.32	75	304754	21.25	ug/l	96
55) 1,1,2-Trichloroethane	9.41	97	163388	21.97	ug/l	97
56) Ethyl methacrylate	9.27	69	187331	21.85	ug/l	91
57) 1,3-Dichloropropane	9.62	76	234921	21.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.15	63	504505	100.72	ug/l	96
59) 2-Hexanone	9.74	43	674240	105.84	ug/l	98
60) Dibromochloromethane	9.92	129	208966	21.82	ug/l	100
61) 1,2-Dibromoethane	10.06	107	168746	21.24	ug/l	99
64) Tetrachloroethene	9.47	164	185139	20.77	ug/l	97
65) Chlorobenzene	10.69	112	523447	22.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.82	131	185988	23.21	ug/l	95
67) Ethyl Benzene	10.83	91	857684	20.43	ug/l	98
68) m/p-Xylenes	10.98	106	621934	40.35	ug/l	99
69) o-Xylene	11.38	106	305614	22.46	ug/l	99
70) Styrene	11.41	104	534252	22.55	ug/l	98
71) Bromoform	11.57	173	157547	21.88	ug/l	99
73) Isopropylbenzene	11.75	105	861547	21.13	ug/l	99
74) N-amyl acetate	11.62	43	369882	20.26	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	197906	20.59	ug/l	98
76) 1,2,3-Trichloropropane	12.08	75	197178	19.92	ug/l	98
77) Bromobenzene	12.02	156	235311	20.76	ug/l	87
78) n-propylbenzene	12.12	91	1051115	20.75	ug/l	95
79) 2-Chlorotoluene	12.19	91	582335	19.97	ug/l	97
80) 1,3,5-Trimethylbenzene	12.29	105	670429	20.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	60715	19.62	ug/l	91
82) 4-Chlorotoluene	12.30	91	673575	20.43	ug/l	94
83) tert-Butylbenzene	12.55	119	683738m	21.25	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	716031	21.34	ug/l	97
85) sec-Butylbenzene	12.73	105	879497	20.61	ug/l	97
86) p-Isopropyltoluene	12.86	119	732830	21.90	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	421446	22.09	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	416840	22.04	ug/l	97
89) n-Butylbenzene	13.17	91	747707	20.72	ug/l	98
90) Hexachloroethane	13.37	117	196422	20.57	ug/l	79
91) 1,2-Dichlorobenzene	13.17	146	358395	21.73	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.75	75	27249	19.04	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	301507	22.01	µg/l	98
94) Hexachlorobutadiene	14.41	225	193971	21.04	µg/l	98
95) Naphthalene	14.50	128	455766	20.36	µg/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	264913	22.06	µg/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

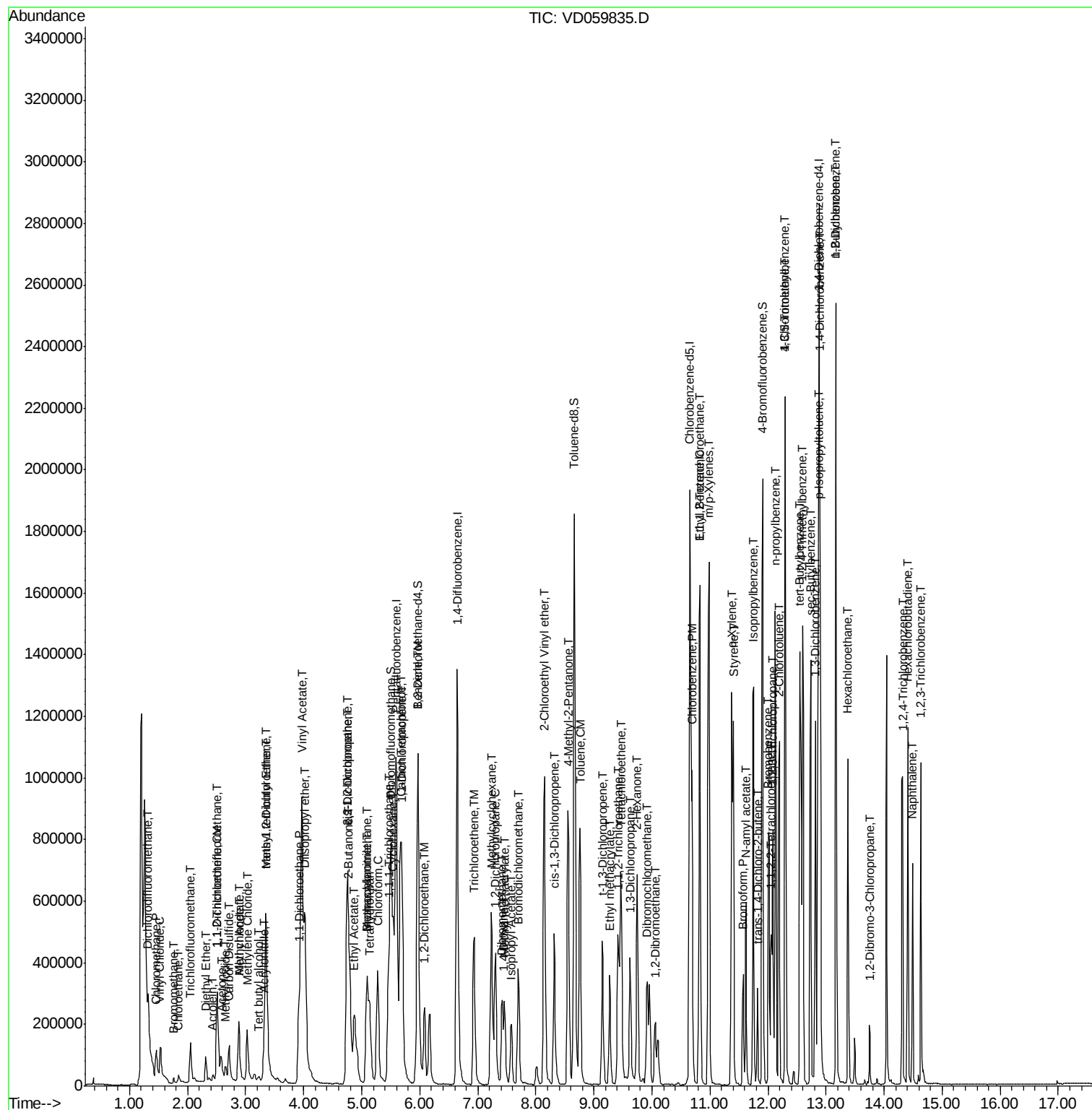
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Data File : VD059835.D
Acq On : 20 Aug 2018 17:18
Operator : JC/SY
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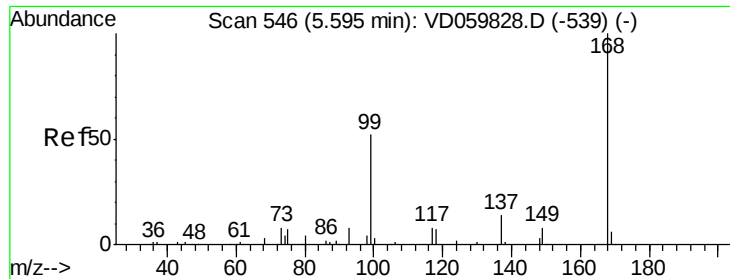
Instrument :
MSVOA_D
ClientSampleID :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion:168 Resp: 1064575

Ion Ratio Lower Upper

168 100

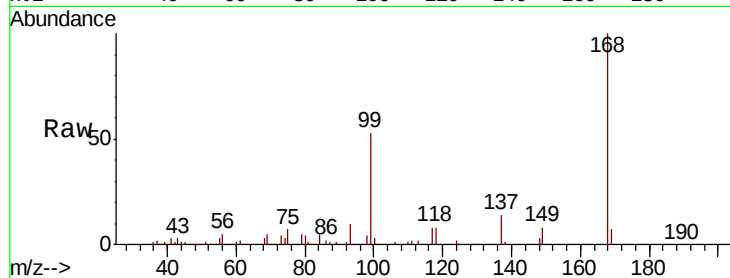
99 52.6 43.6 65.4

Manual Integrations

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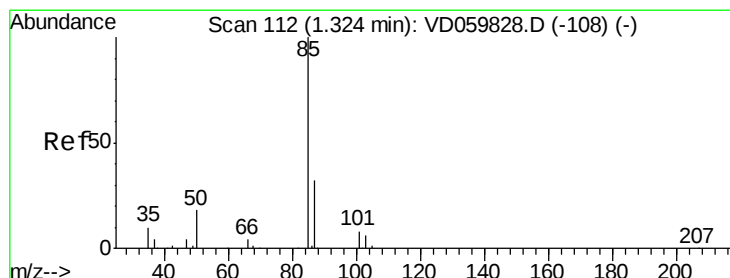
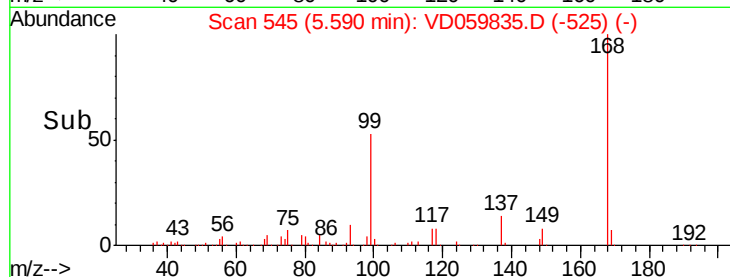
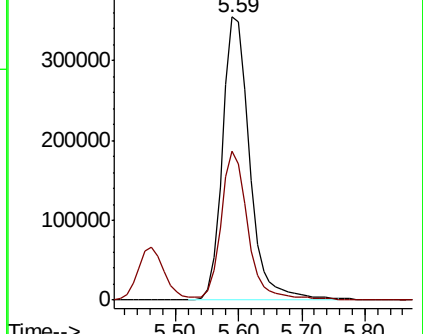
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.87 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059835.D

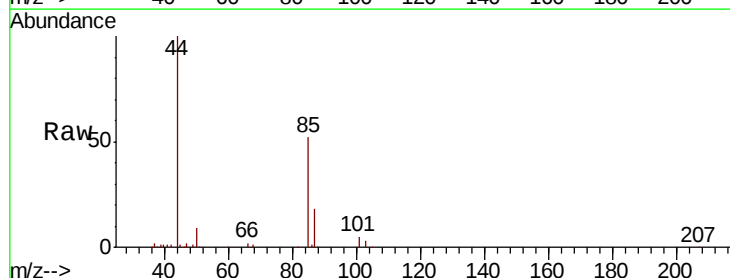
Acq: 20 Aug 2018 17:18

Tgt Ion: 85 Resp: 173012

Ion Ratio Lower Upper

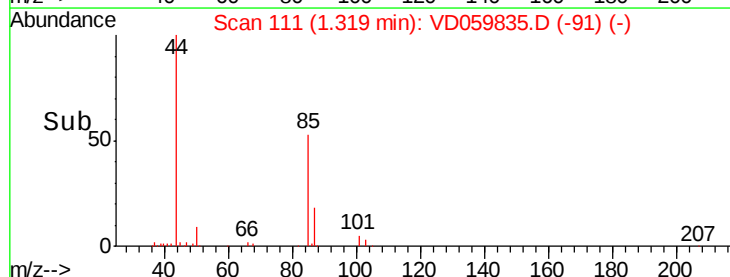
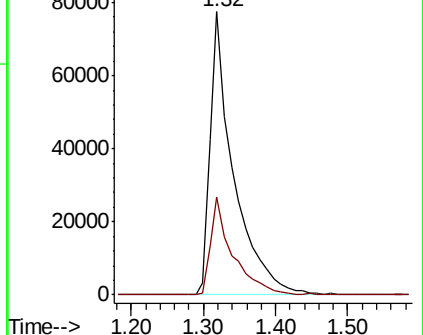
85 100

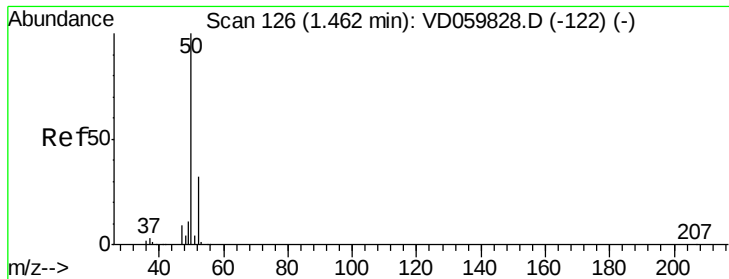
87 34.5 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.87 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 50 Resp: 138778

Ion Ratio Lower Upper

50 100

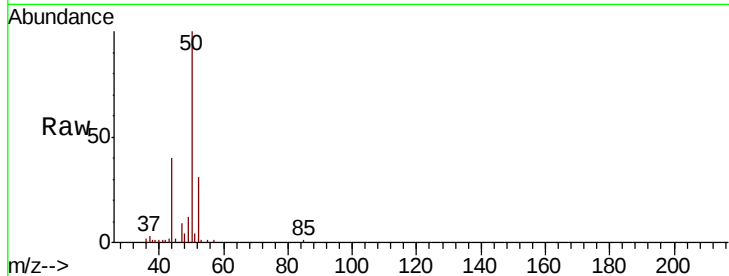
52 31.4 25.4 38.2

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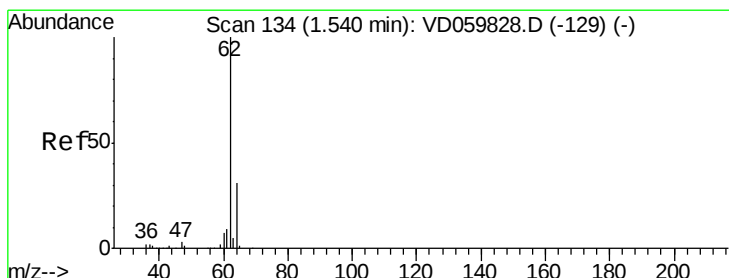
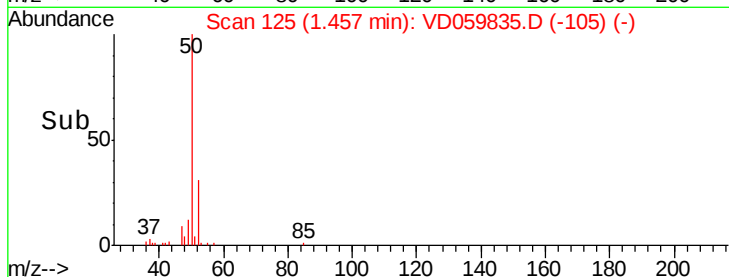
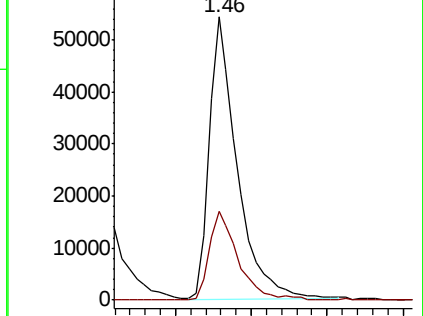
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.31 ug/l

RT: 1.53 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD059835.D

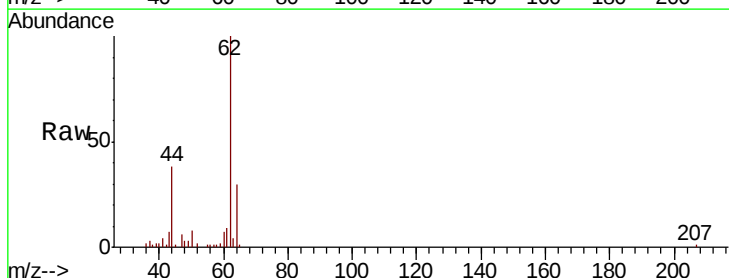
Acq: 20 Aug 2018 17:18

Tgt Ion: 62 Resp: 113975

Ion Ratio Lower Upper

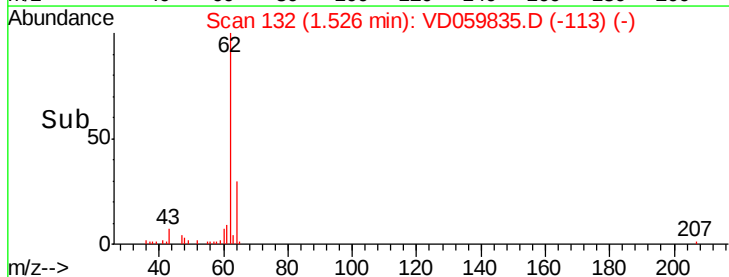
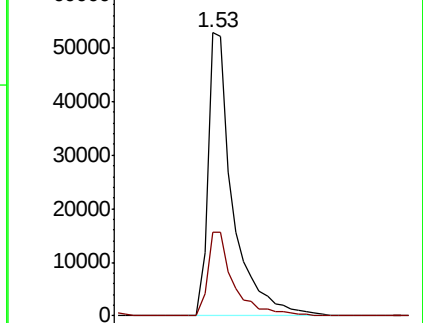
62 100

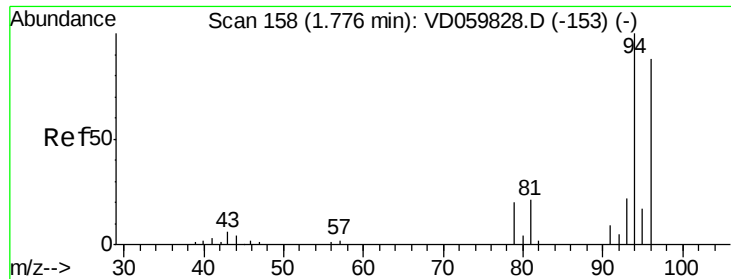
64 29.7 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 12.56 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

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Tot Ion: 94 Resp: 10274

Ion Ratio Lower Upper

94 100

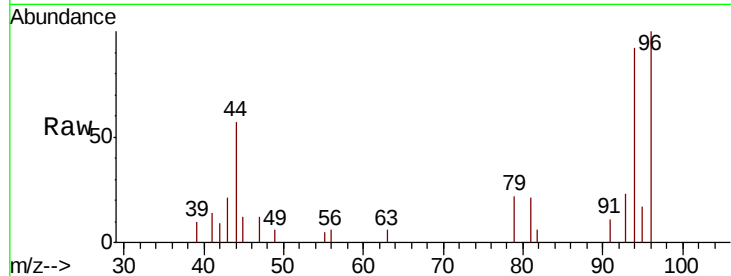
96 108.4 70.8 106.2#

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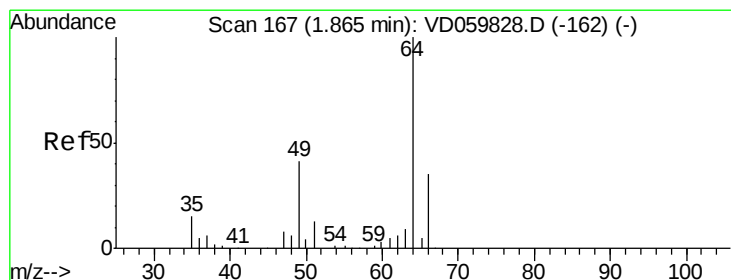
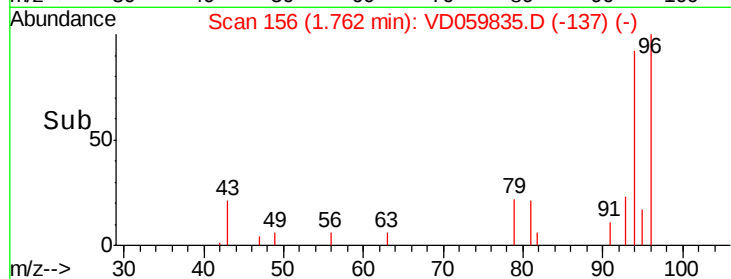
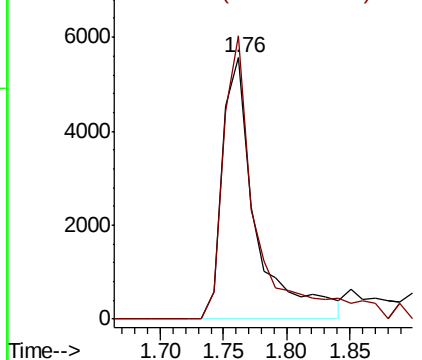
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.25 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.02 min

Lab File: VD059835.D

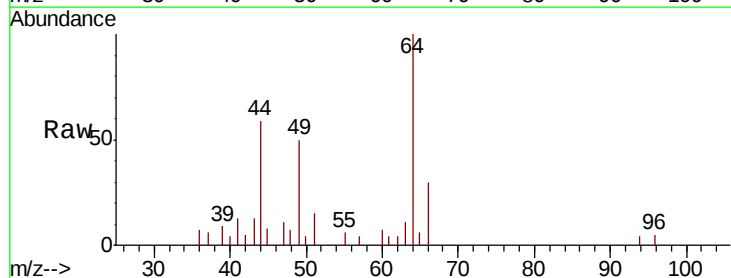
Acq: 20 Aug 2018 17:18

Tgt Ion: 64 Resp: 22891

Ion Ratio Lower Upper

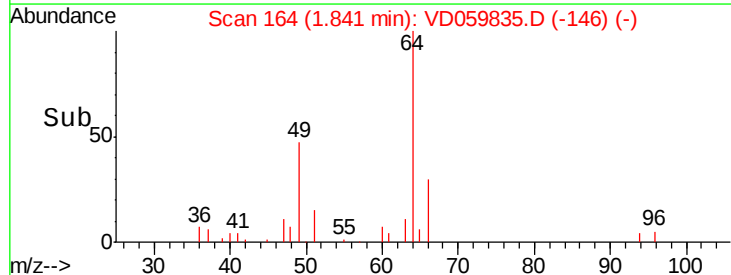
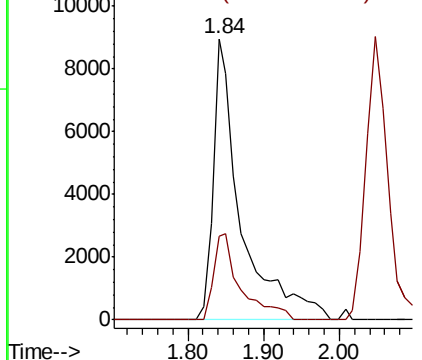
64 100

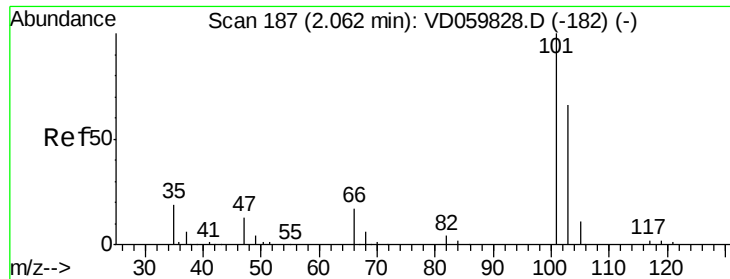
66 29.7 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

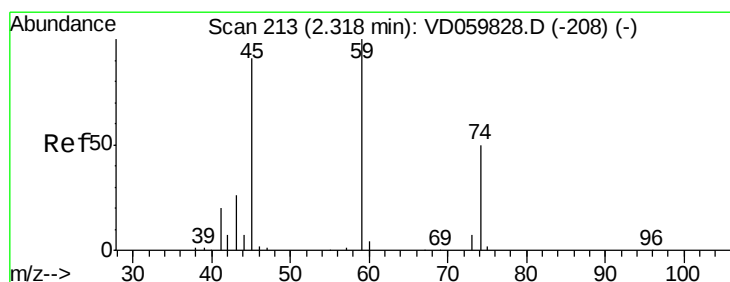
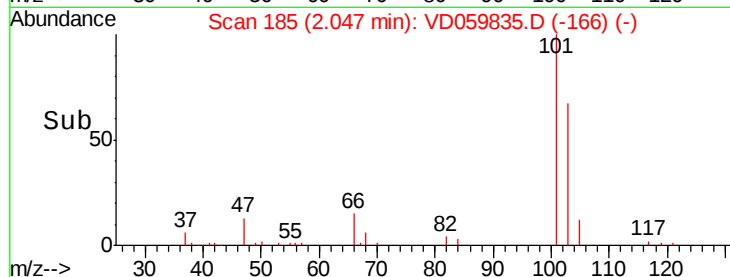
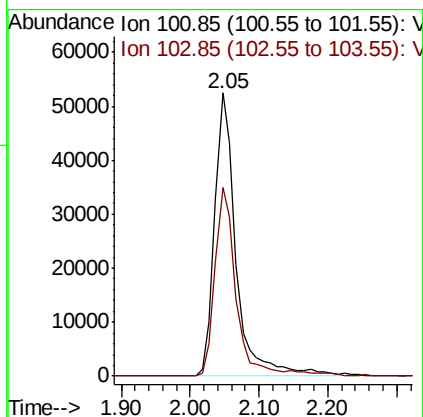
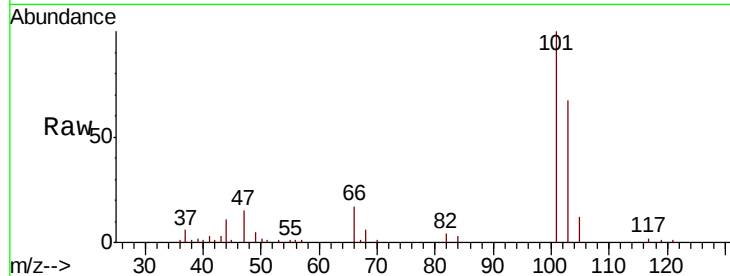
Trichlorofluoromethane
Concen: 18.10 ug/l
RT: 2.05 min Scan# 185
Delta R.T. -0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 113454
Ion Ratio Lower Upper
101 100
103 66.6 53.0 79.4

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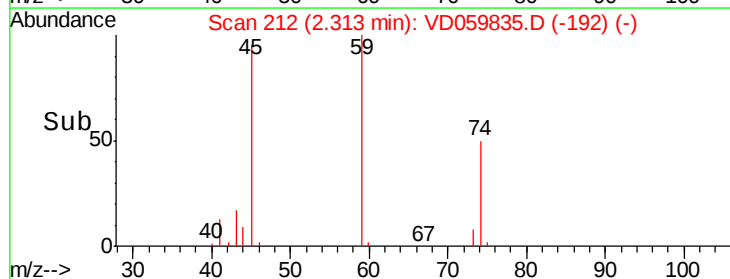
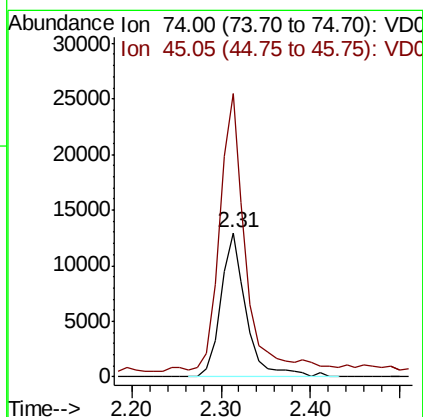
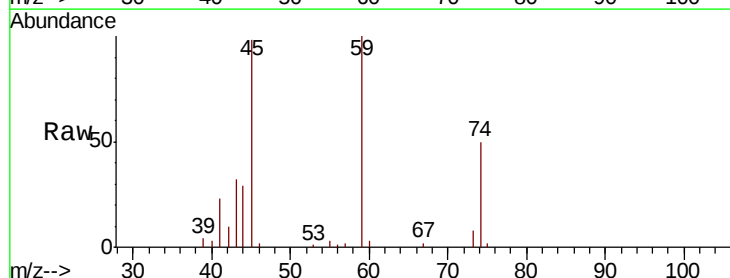
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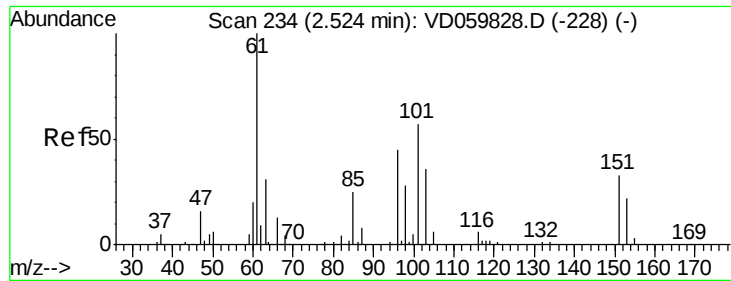


#8

Diethyl Ether
Concen: 18.45 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion: 74 Resp: 25839
Ion Ratio Lower Upper
74 100
45 196.5 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.42 ug/l

RT: 2.51 min Scan# 232

Delta R.T. -0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

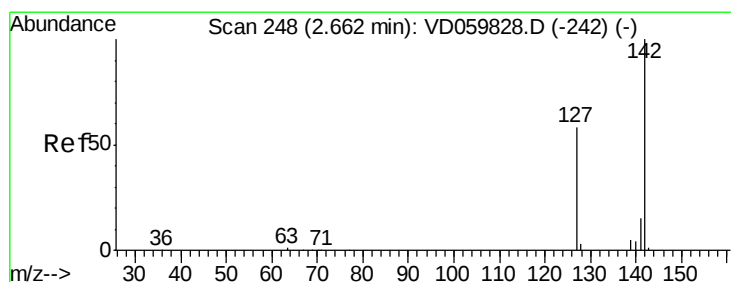
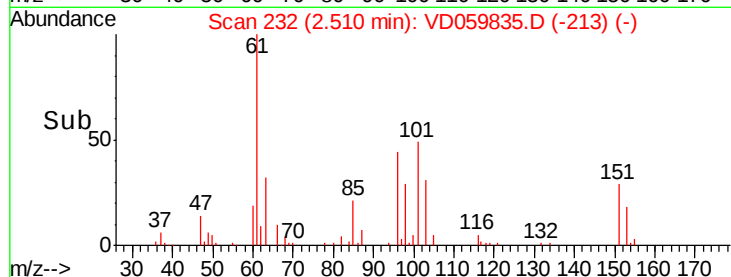
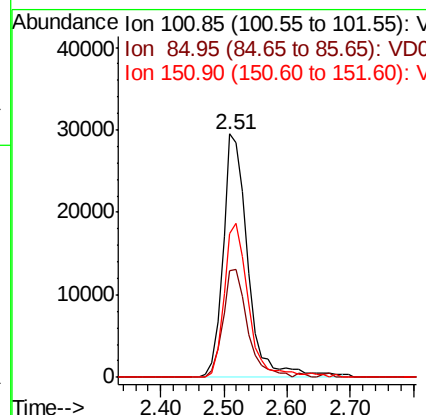
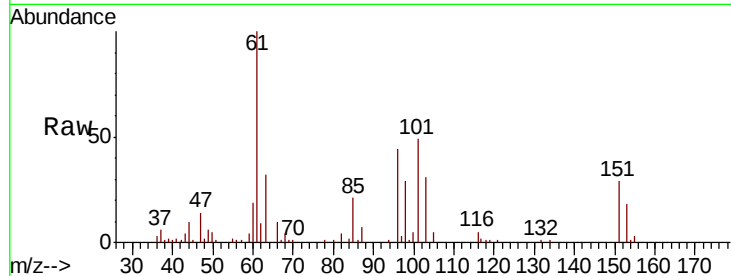
ClientSampleId :

VD0820SBS01

Tot Ion:	101	Resp:	81401
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.7	53.5
151	59.2	45.8	68.6

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#10

Methyl Iodide

Concen: 16.08 ug/l

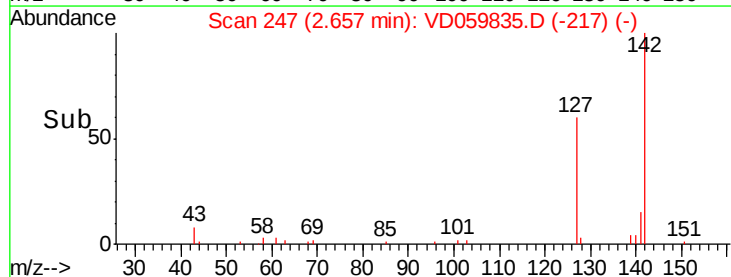
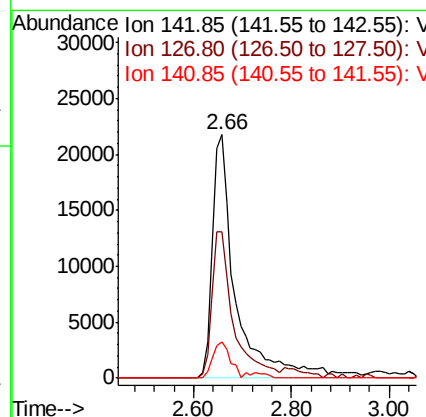
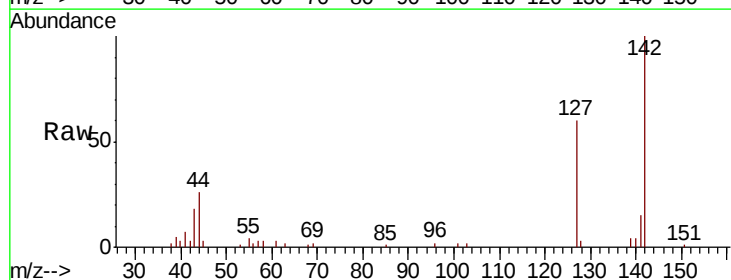
RT: 2.66 min Scan# 247

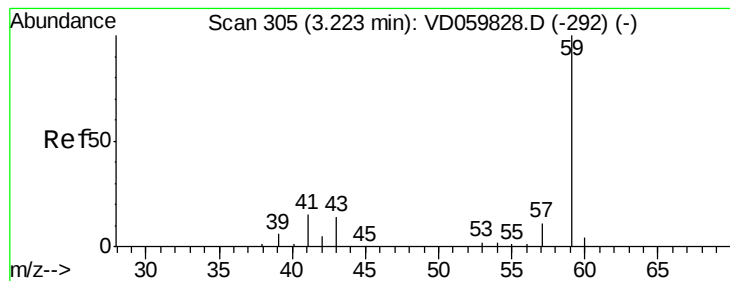
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion:	142	Resp:	71576
Ion Ratio	Lower	Upper	
142	100		
127	60.4	46.6	69.8
141	15.1	11.7	17.5





#11

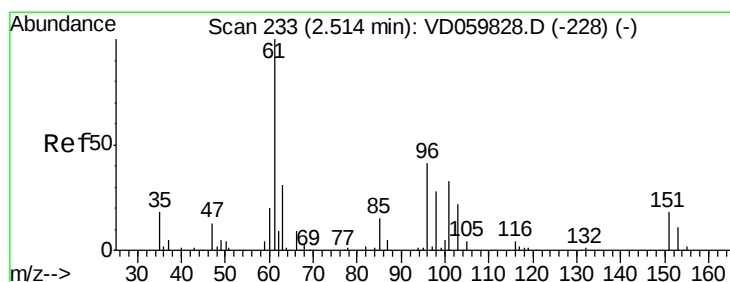
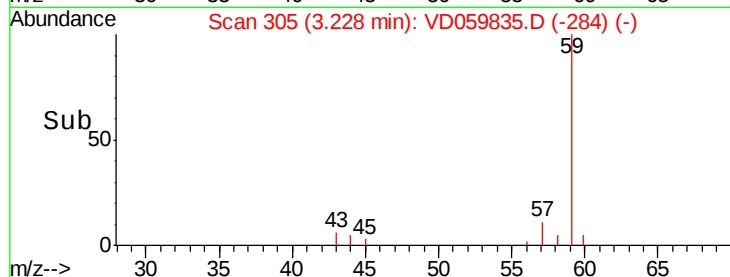
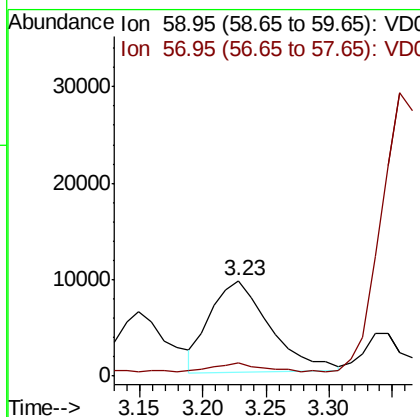
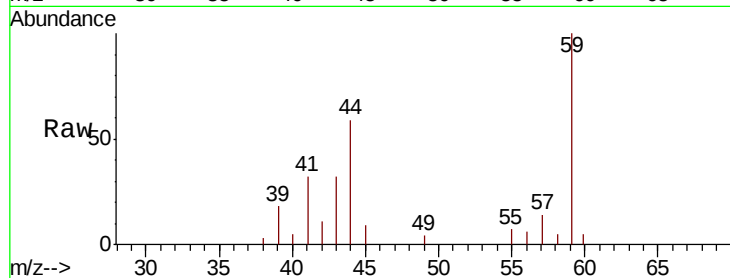
Tert butyl alcohol
Concen: 99.20 ug/l
RT: 3.23 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

Tot Ion	59	Resp	31244
Ion Ratio	100	Lower	Upper
57	14.0	10.3	15.5

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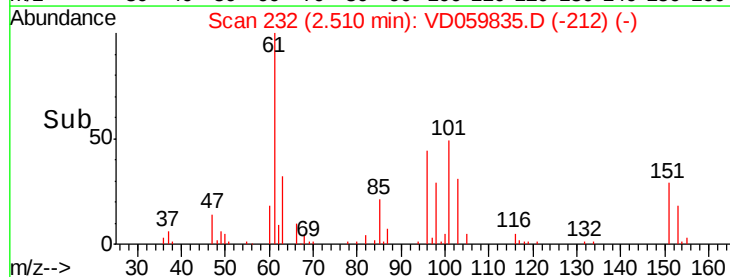
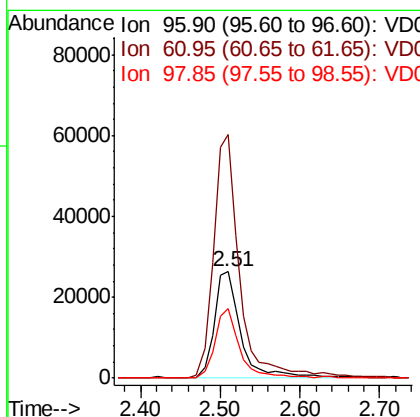
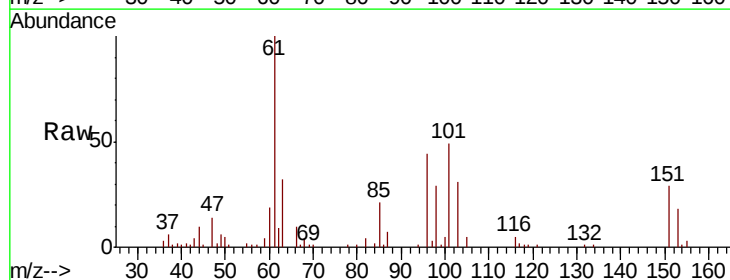
apatel
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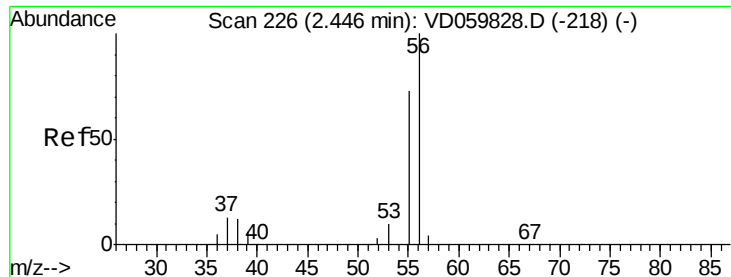


#12

1,1-Dichloroethene
Concen: 18.85 ug/l
RT: 2.51 min Scan# 232
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	96	Resp	61548
Ion Ratio	100	Lower	Upper
61	228.9	194.0	291.0
98	65.9	53.4	80.0





#13

Acrolein

Concen: 71.07 ug/l

RT: 2.43 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 56 Resp: 22677

Ion Ratio Lower Upper

56 100

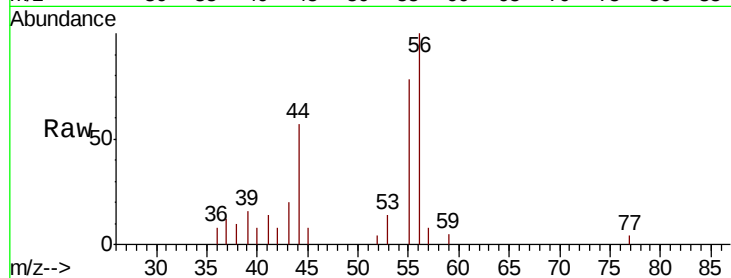
55 78.1 60.4 90.6

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.43

10000

8000

6000

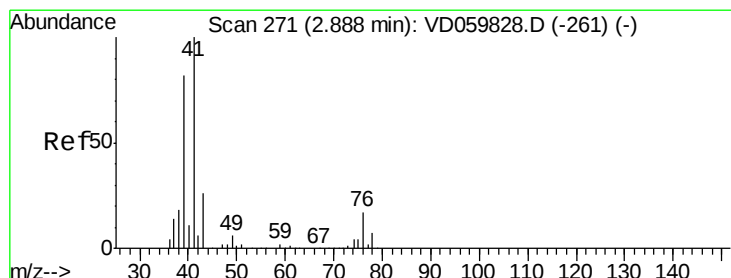
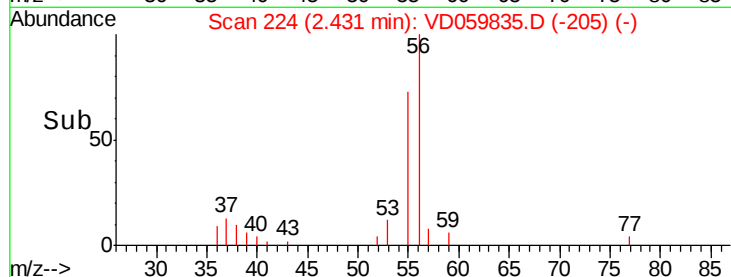
4000

2000

0

Time-->

2.30 2.40 2.50 2.60



#14

Allyl chloride

Concen: 19.15 ug/l

RT: 2.87 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

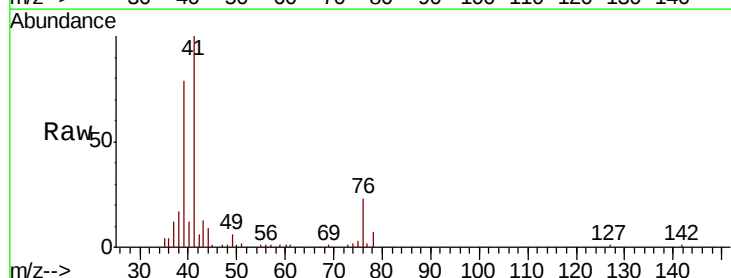
Tgt Ion: 41 Resp: 159653

Ion Ratio Lower Upper

41 100

39 78.9 65.9 98.9

76 23.0 19.9 29.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

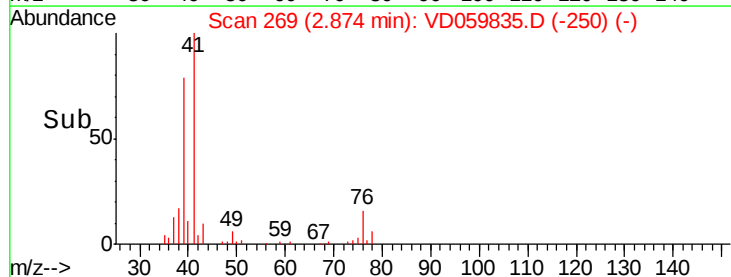
40000

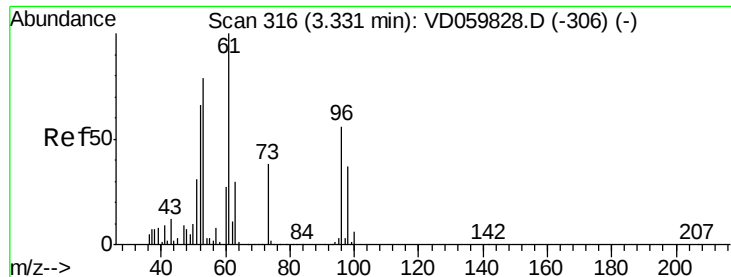
20000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 97.66 ug/l

RT: 3.31 min Scan# 313

Delta R.T. -0.02 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

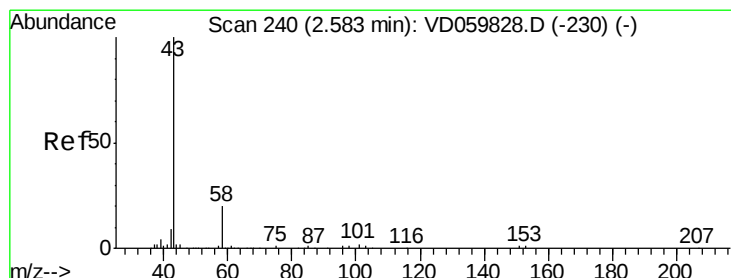
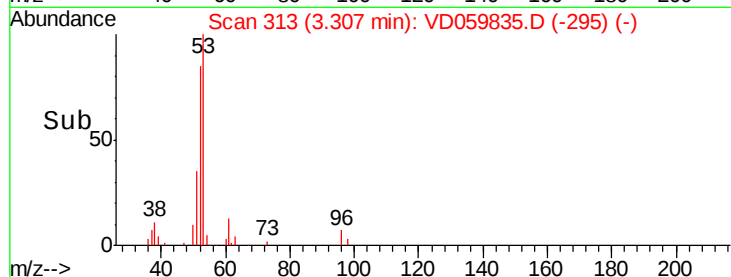
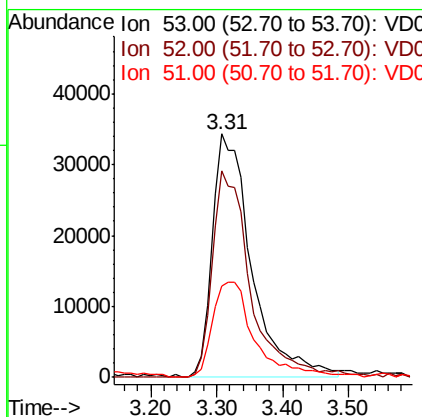
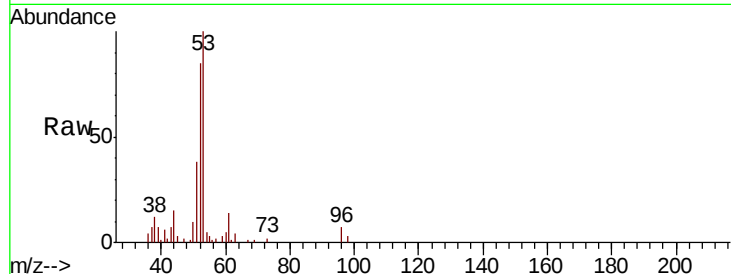
ClientSampleId :

VD0820SBS01

Tot Ion:	53	Resp:	142366
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.8	100.2
51	37.5	31.6	47.4

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#16

Acetone

Concen: 95.00 ug/l

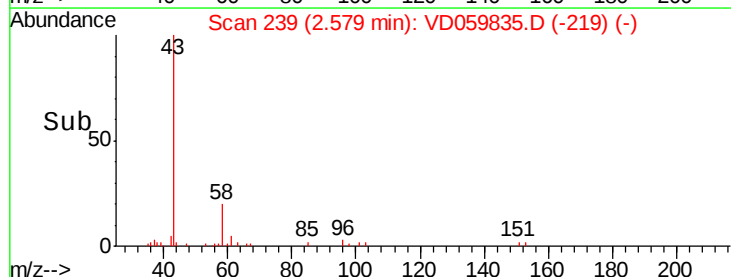
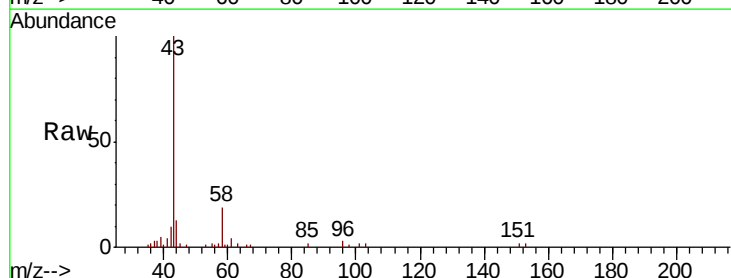
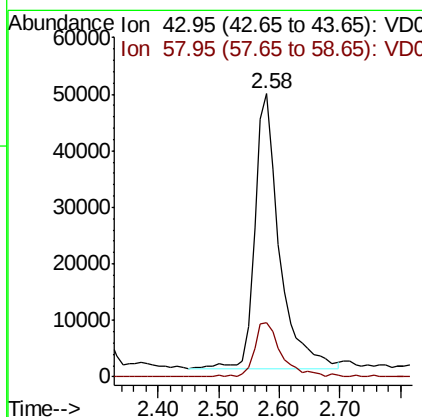
RT: 2.58 min Scan# 239

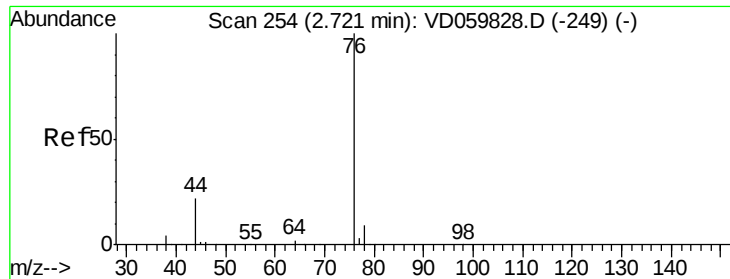
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion:	43	Resp:	135662
Ion	Ratio	Lower	Upper
43	100		
58	19.0	16.2	24.2





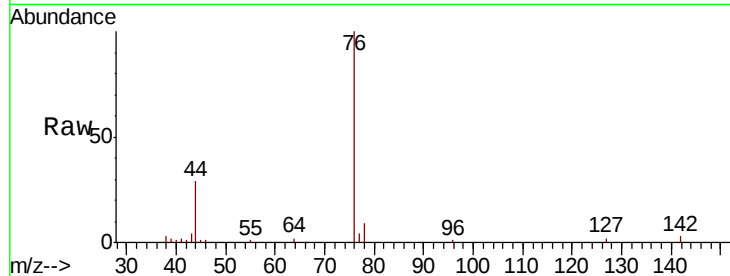
#17
Carbon Disulfide
Concen: 15.94 ug/l
RT: 2.72 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

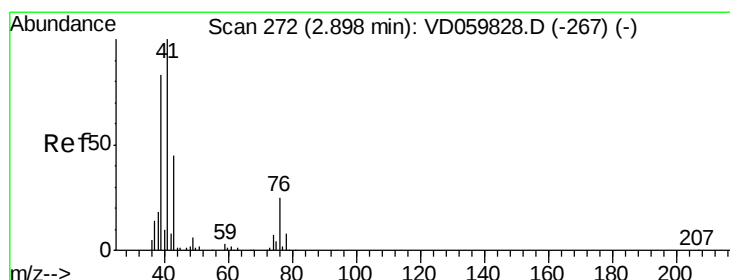
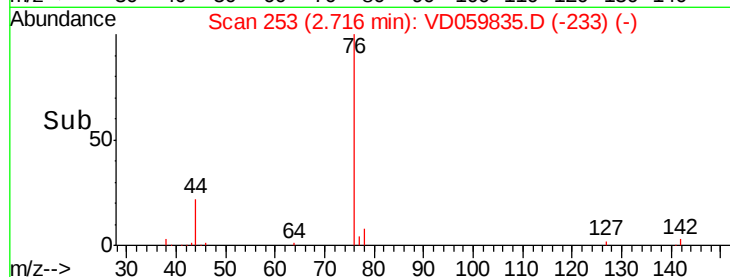
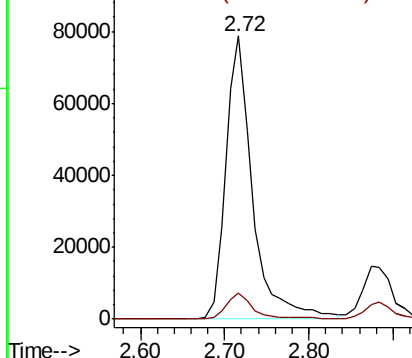
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

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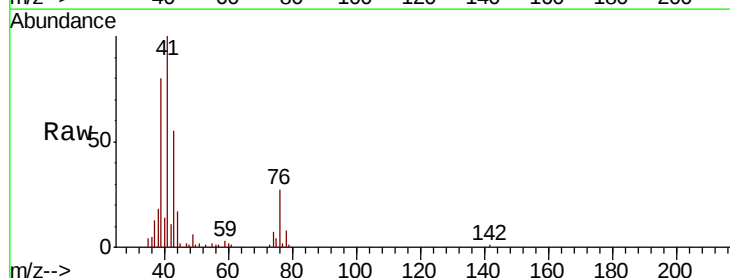


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

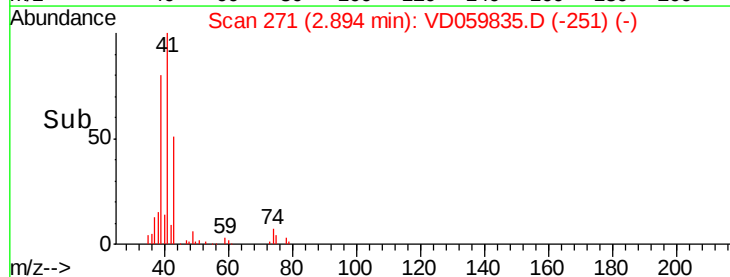
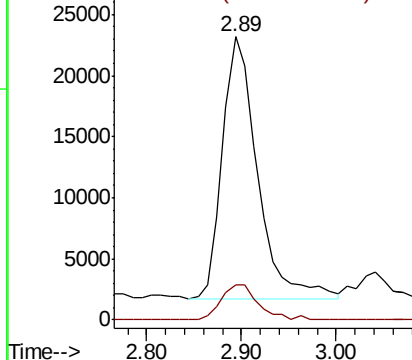


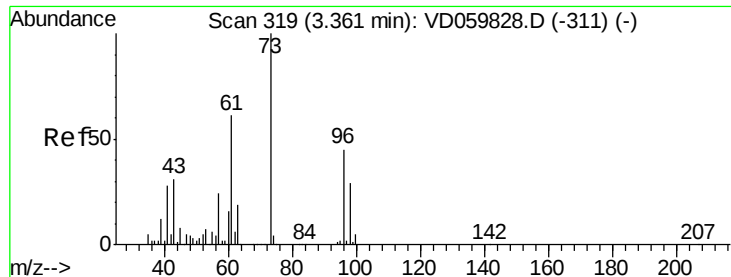
#18
Methyl Acetate
Concen: 17.84 ug/l
RT: 2.89 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.4	11.4	17.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





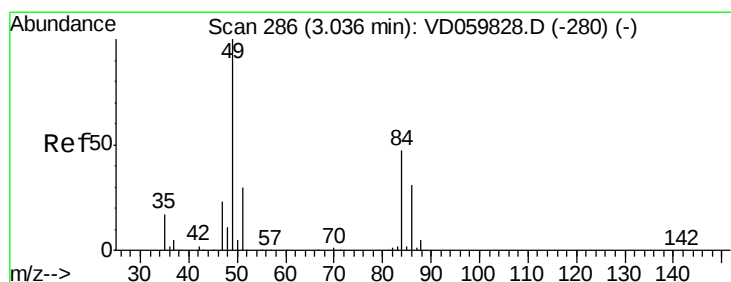
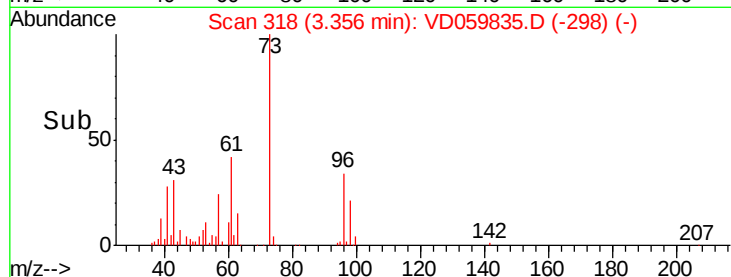
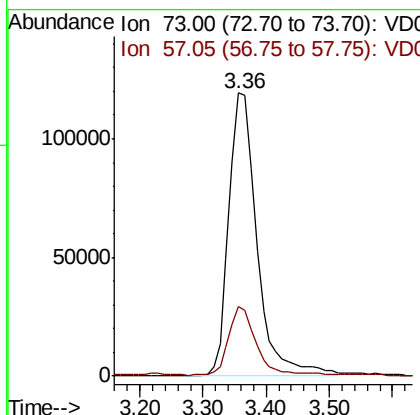
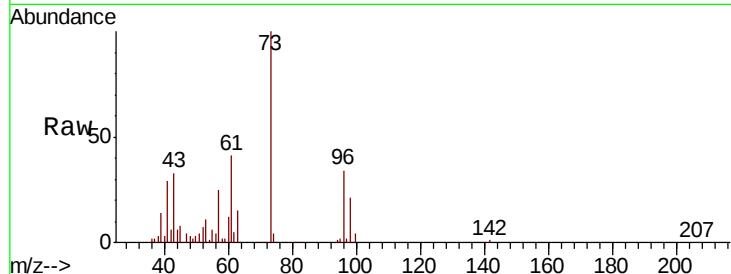
#19
Methyl tert-butyl Ether
Concen: 20.13 ug/l
RT: 3.36 min Scan# 318
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleID :
VD0820SBS01

Tot Ion: 73 Resp: 370919
Ion Ratio Lower Upper
73 100
57 24.6 19.4 29.0

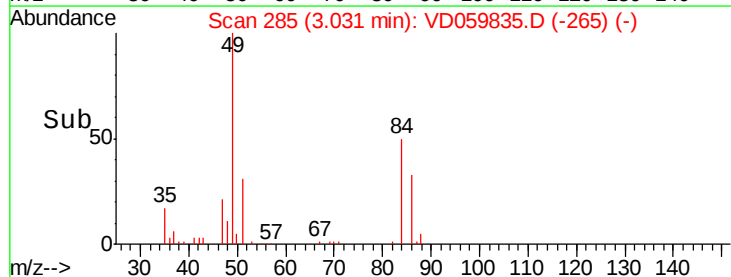
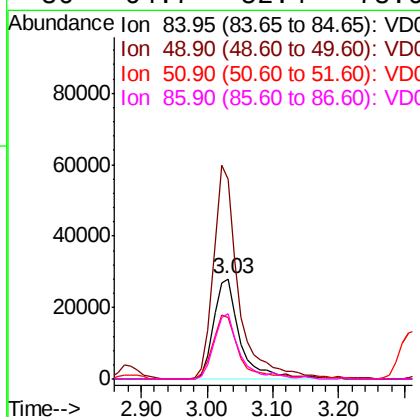
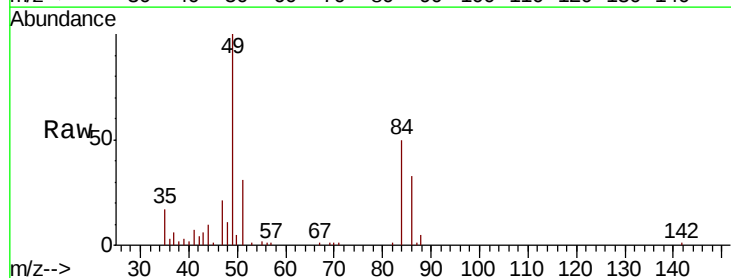
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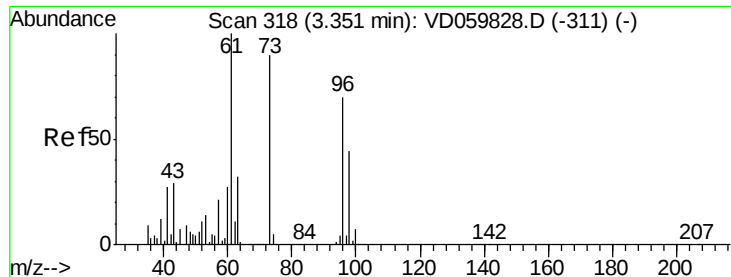
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#20
Methylene Chloride
Concen: 16.10 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion: 84 Resp: 78400
Ion Ratio Lower Upper
84 100
49 198.3 170.4 255.6
51 61.4 51.4 77.0
86 64.7 52.4 78.6





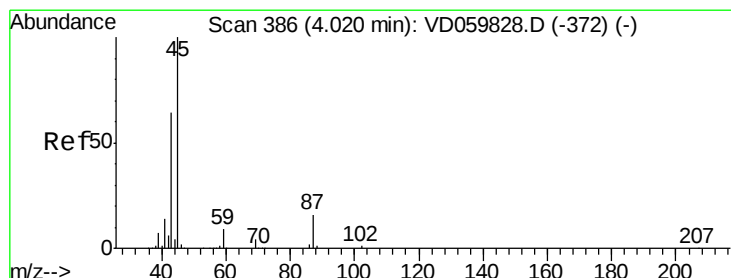
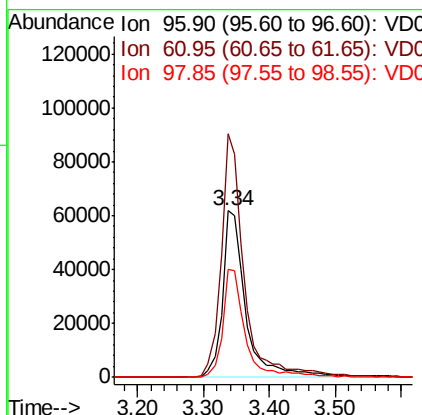
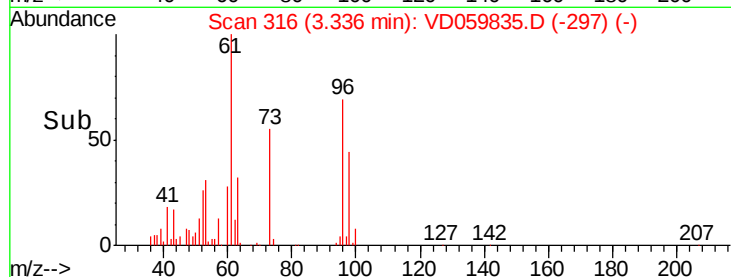
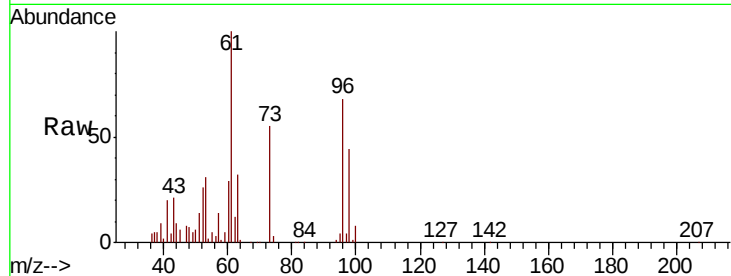
#21
trans-1,2-Dichloroethene
Concen: 16.53 ug/l
RT: 3.34 min Scan# 316
Delta R.T. -0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	114.1	171.1
98	64.8	50.1	75.1

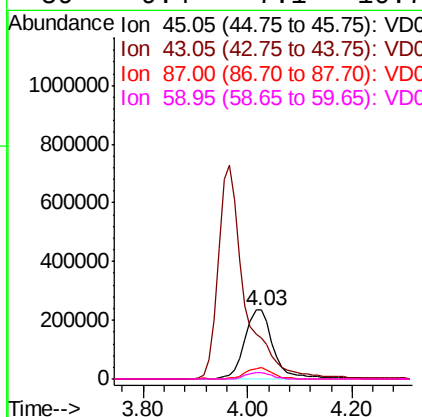
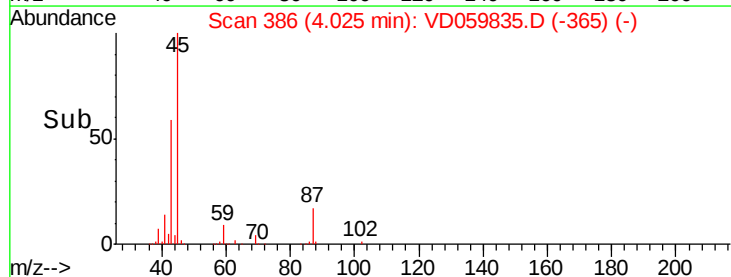
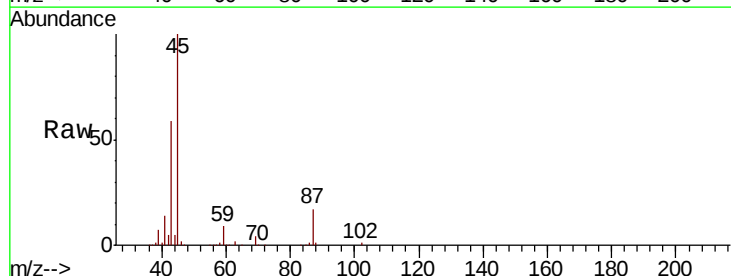
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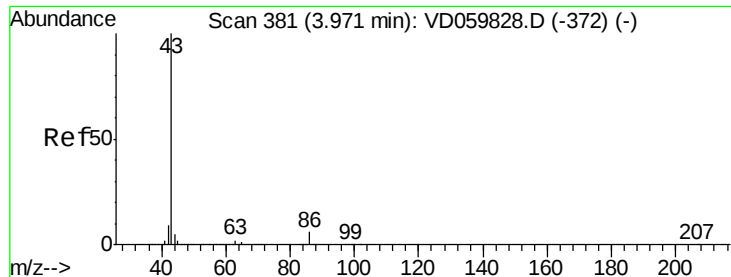
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#22
Diisopropyl ether
Concen: 20.32 ug/l
RT: 4.03 min Scan# 386
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	51.1	76.7
87	16.5	12.5	18.7
59	9.4	7.1	10.7





#23

Vinyl Acetate

Concen: 110.10 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 43 Resp: 2518020

Ion Ratio Lower Upper

43 100

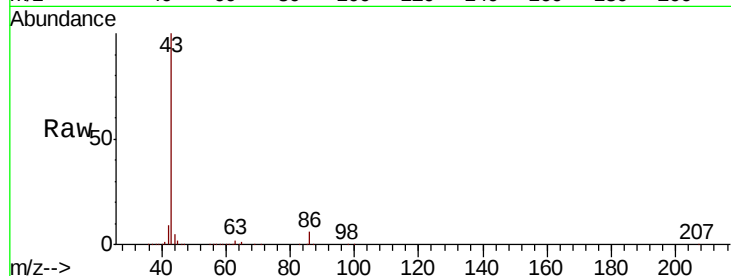
86 5.9 4.6 7.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

3.97

800000

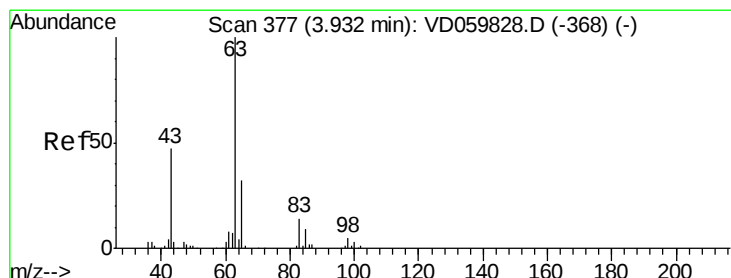
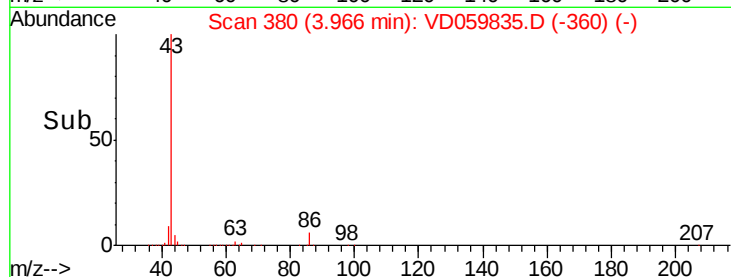
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.02 ug/l

RT: 3.92 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

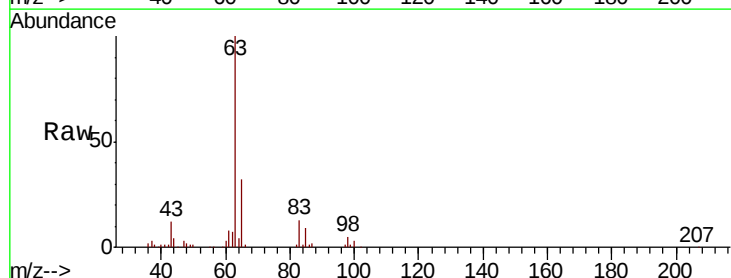
Tgt Ion: 63 Resp: 374809

Ion Ratio Lower Upper

63 100

98 5.4 2.5 7.6

100 3.0 1.7 5.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

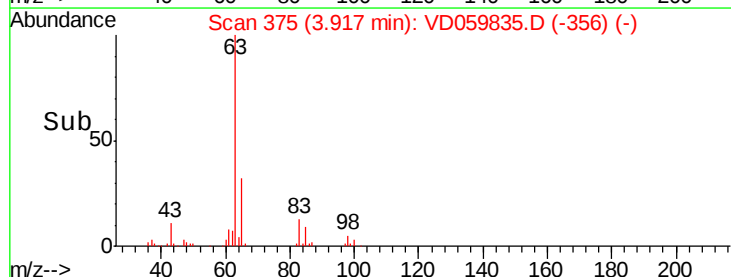
150000

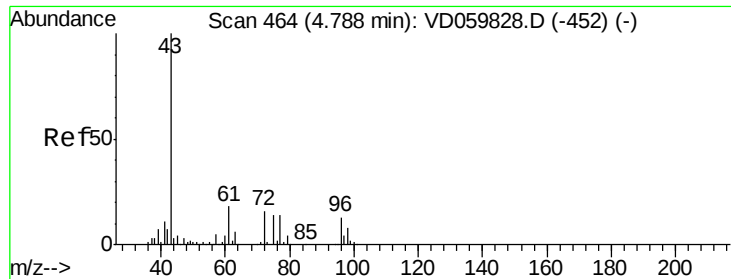
100000

50000

0

Time-->





#25

2-Butanone

Concen: 101.18 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 43 Resp: 436727

Ion Ratio Lower Upper

43 100

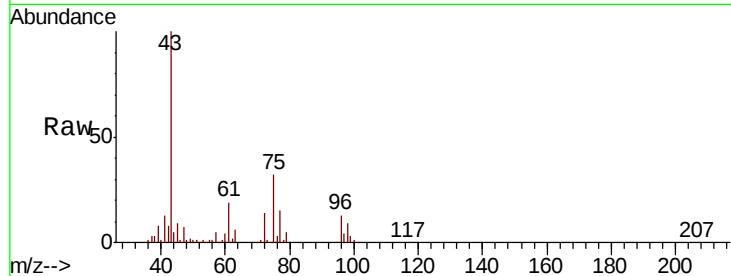
72 14.4 12.4 18.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

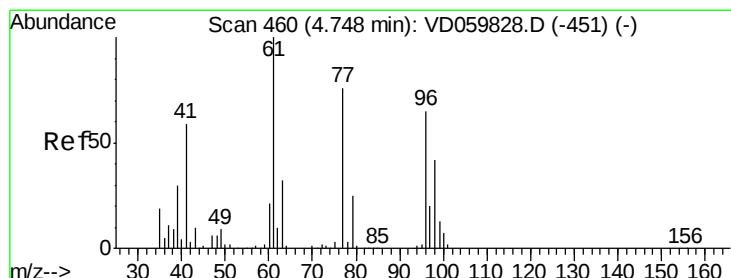
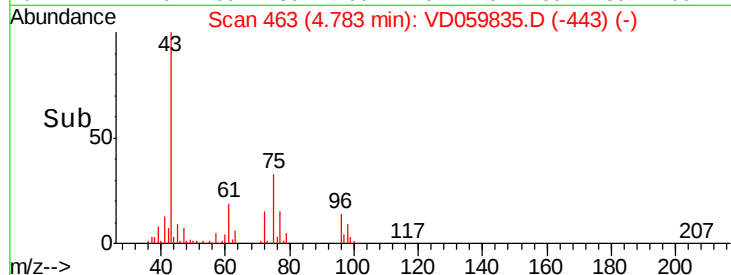
100000

50000

0

4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 20.21 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.00 min

Lab File: VD059835.D

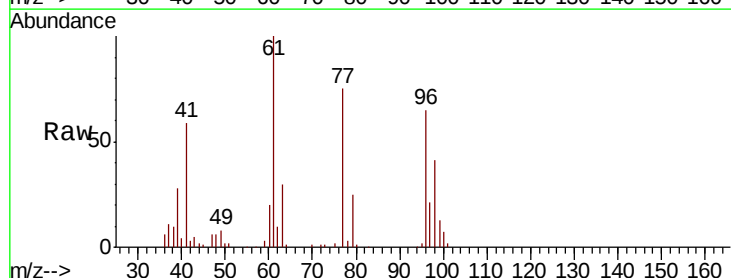
Acq: 20 Aug 2018 17:18

Tgt Ion: 77 Resp: 296951

Ion Ratio Lower Upper

77 100

97 27.7 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

80000

60000

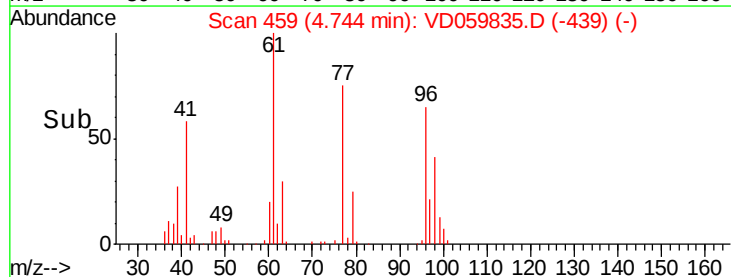
40000

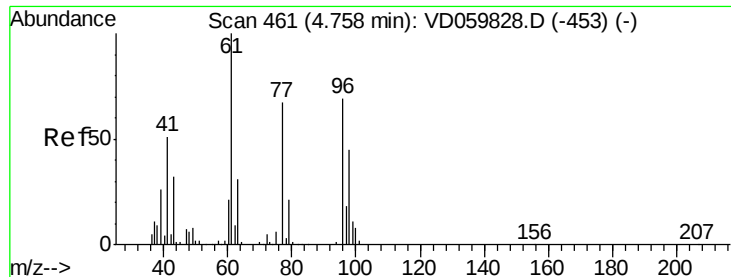
20000

0

4.60 4.70 4.80 4.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.59 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

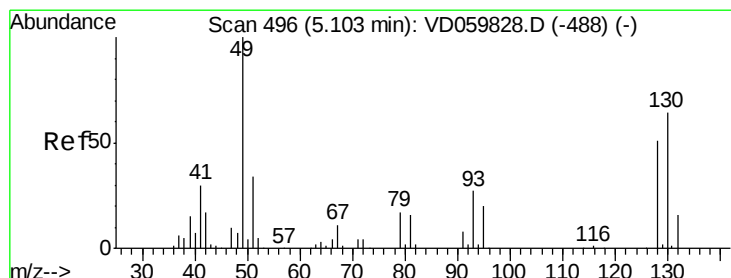
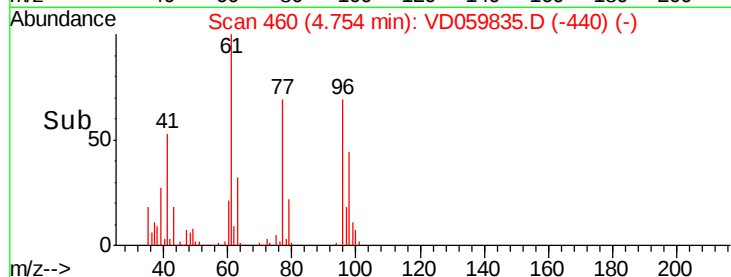
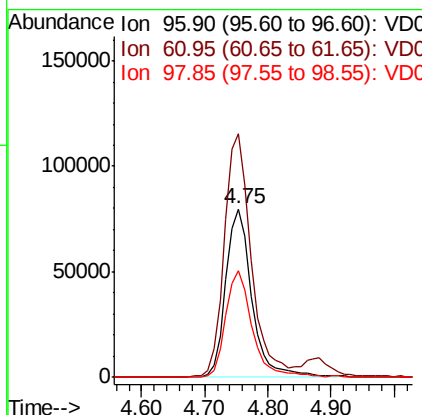
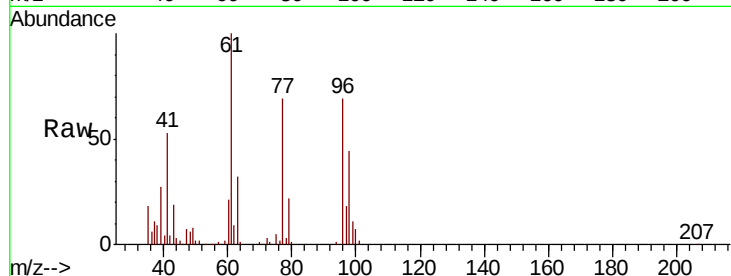
ClientSampleId :

VD0820SBS01

Tot Ion:	96	Resp:	229452
Ion Ratio	Lower	Upper	
96	100		
61	144.6	0.0	291.8
98	63.2	0.0	131.6

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#28

Bromochloromethane

Concen: 20.34 ug/l

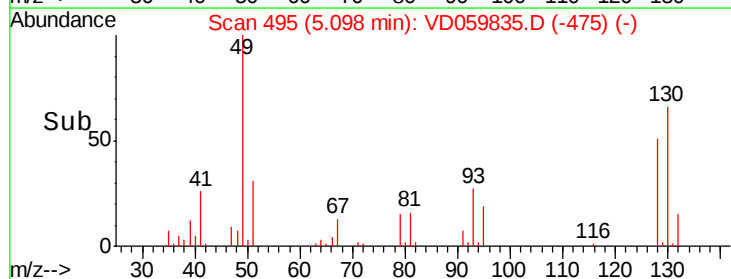
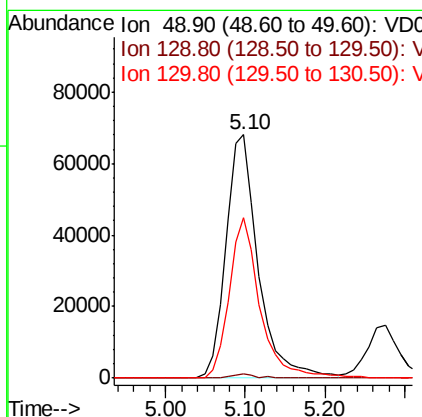
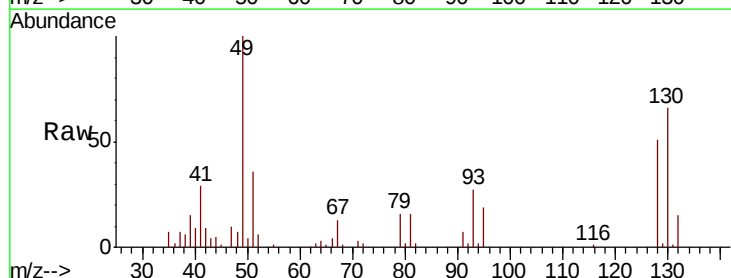
RT: 5.10 min Scan# 495

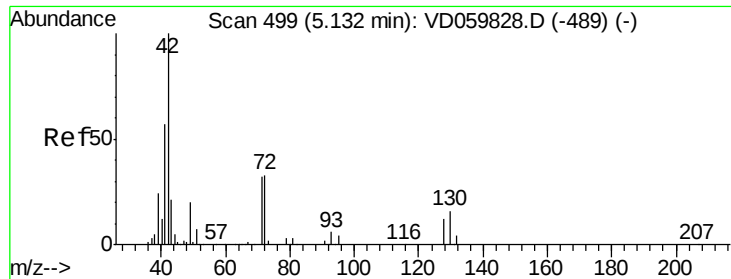
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion:	49	Resp:	193003
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	66.0	51.0	76.6





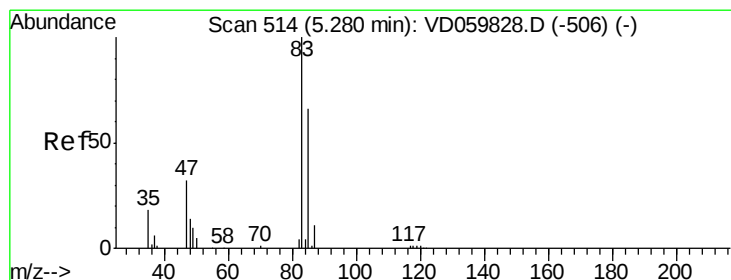
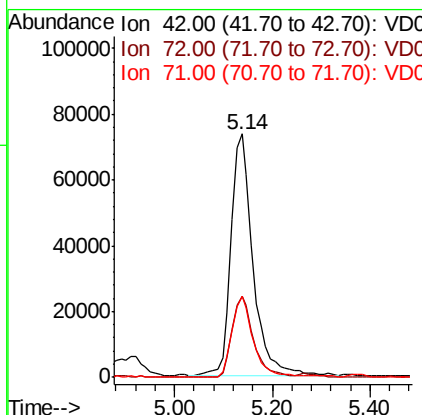
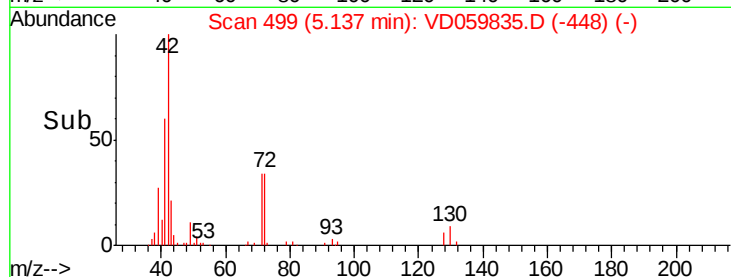
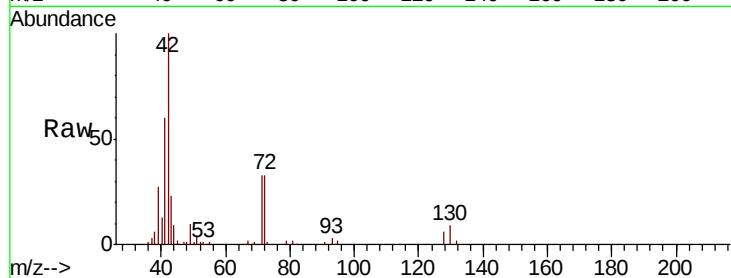
#29
Tetrahydrofuran
Concen: 106.78 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion:	42	Resp:	233374
Ion Ratio	Lower	Upper	
42	100		
72	32.5	25.8	38.6
71	32.2	25.7	38.5

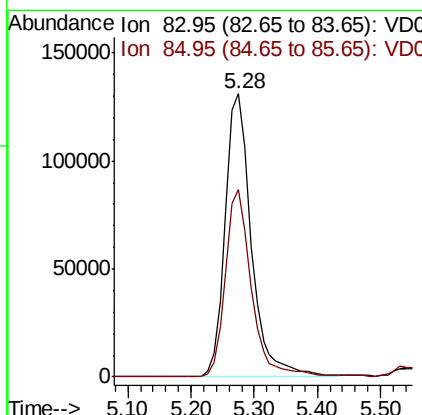
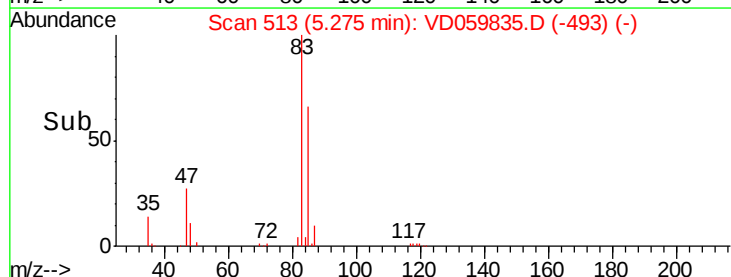
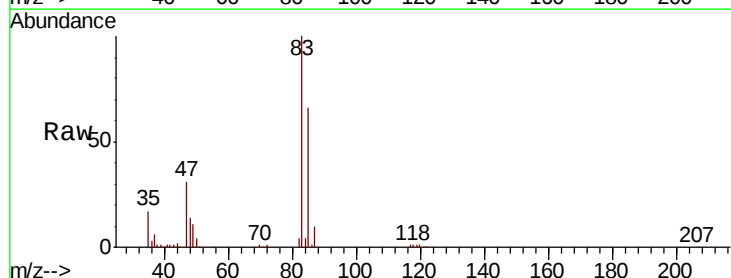
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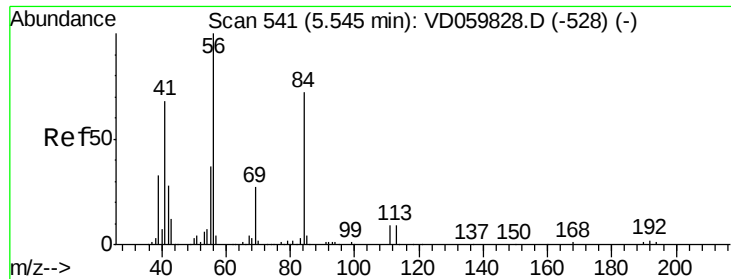
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#30
Chloroform
Concen: 20.46 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion:	83	Resp:	377979
Ion Ratio	Lower	Upper	
83	100		
85	66.0	52.9	79.3





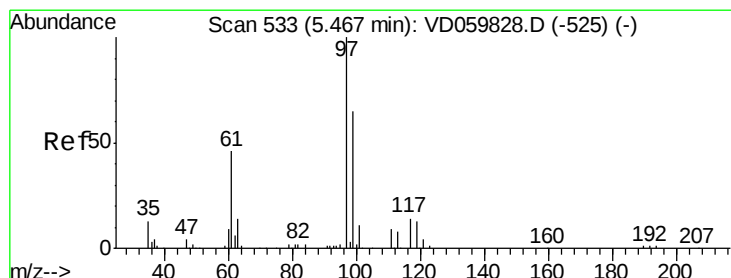
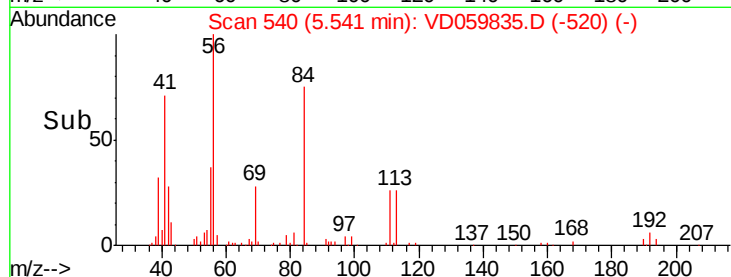
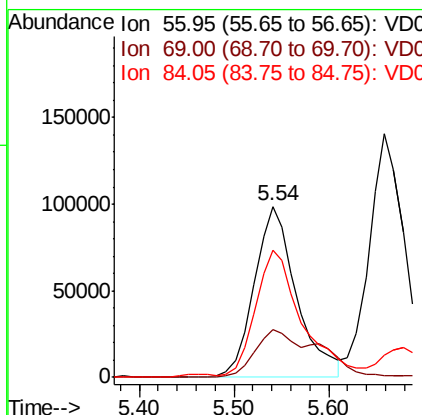
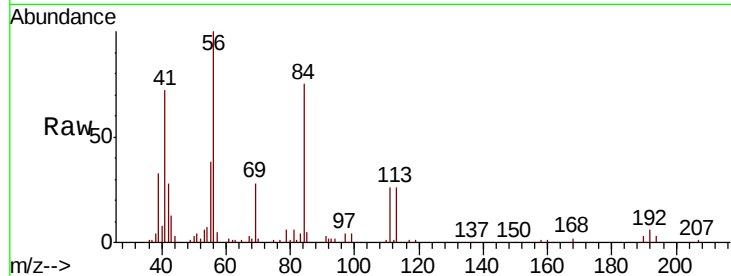
#31
Cyclohexane
Concen: 17.46 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.8	21.7	32.5
84	74.6	57.8	86.6

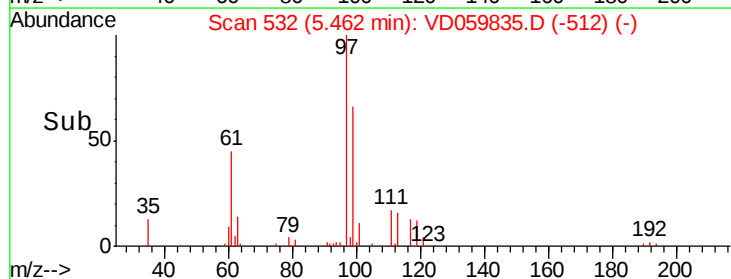
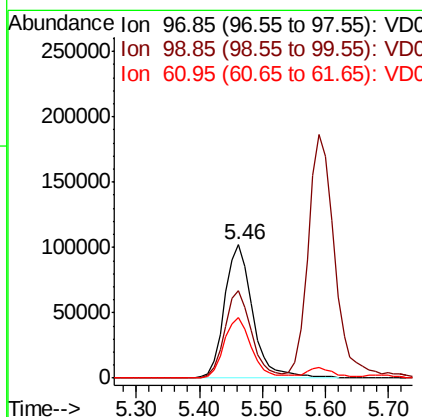
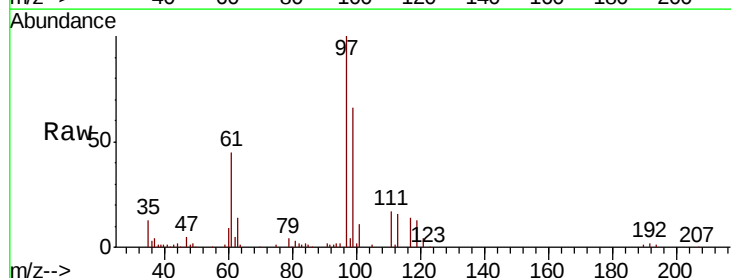
Manual Integrations
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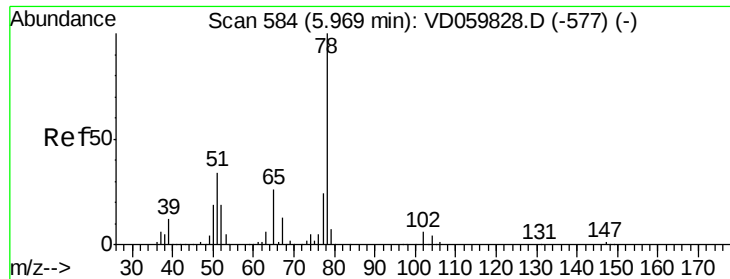
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#32
1,1,1-Trichloroethane
Concen: 20.31 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.9	77.9
61	45.3	37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 20.31 ug/l

RT: 5.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 65 Resp: 436259

Ion Ratio Lower Upper

65 100

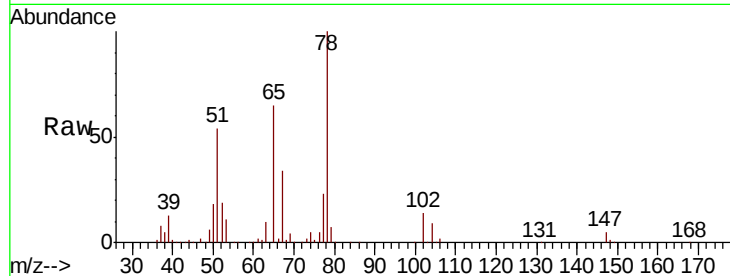
67 51.6 0.0 102.4

Manual Integrations

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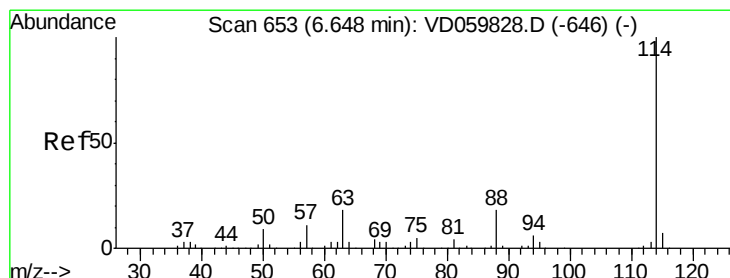
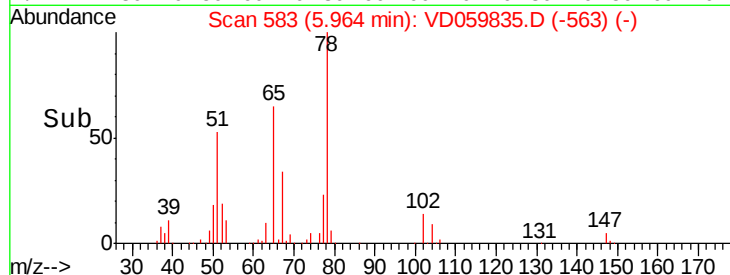
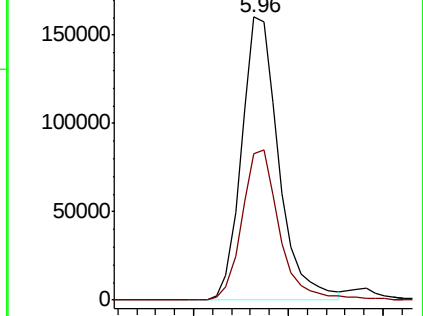
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

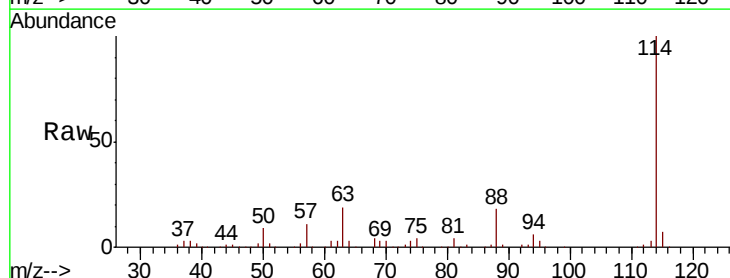
Tgt Ion: 114 Resp: 1482526

Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.0

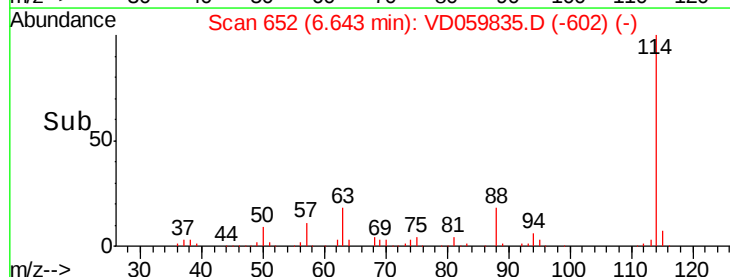
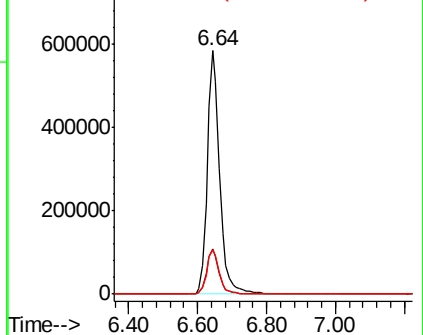
88 18.1 0.0 37.0

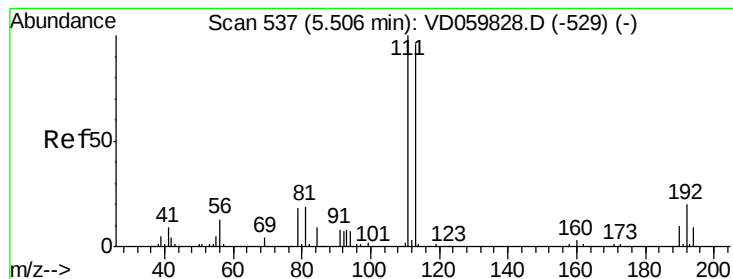


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

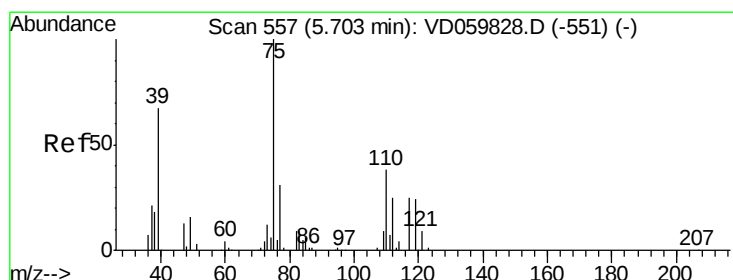
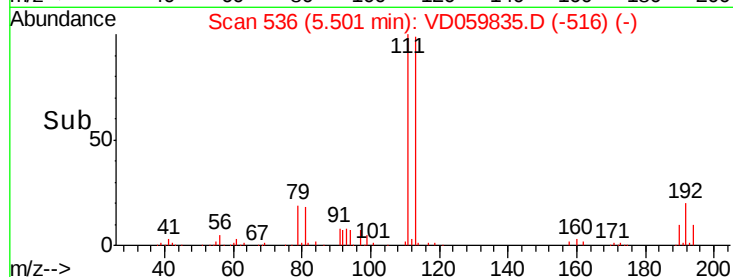
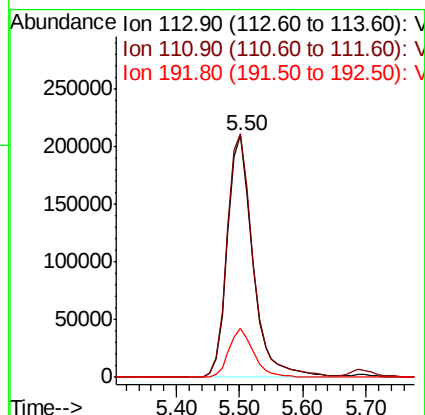
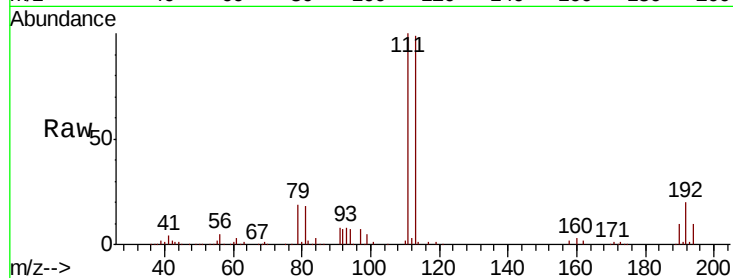
ClientSampleId :

VD0820SBSD01

Tot Ion:	113	Resp:	589760
Ion	Ratio	Lower	Upper
113	100		
111	100.5	83.3	124.9
192	20.3	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 20.41 ug/l

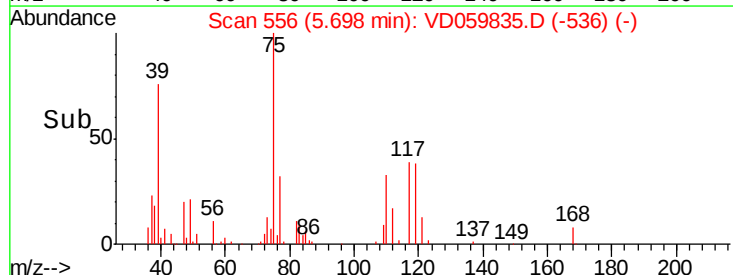
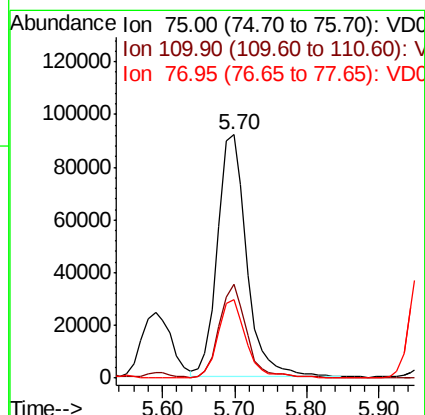
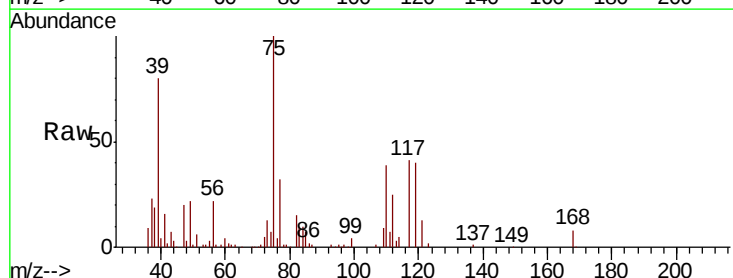
RT: 5.70 min Scan# 556

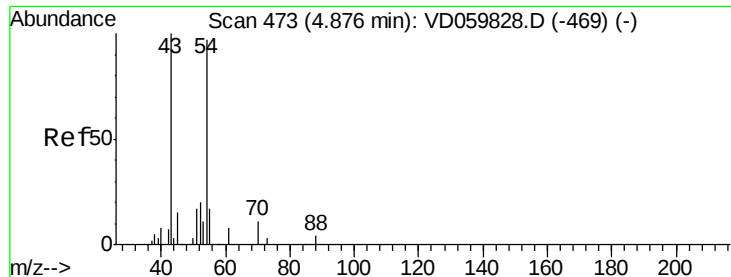
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion:	75	Resp:	256640
Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.8	56.4
77	32.0	24.9	37.3





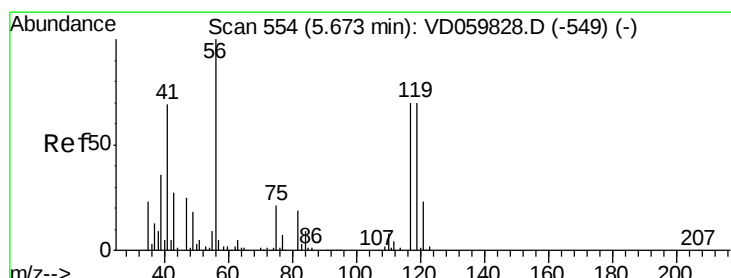
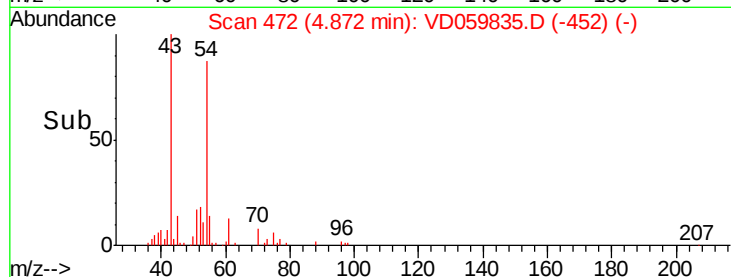
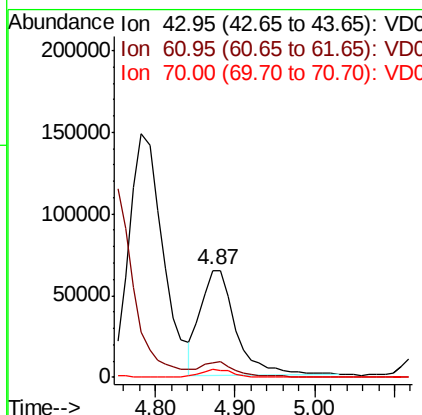
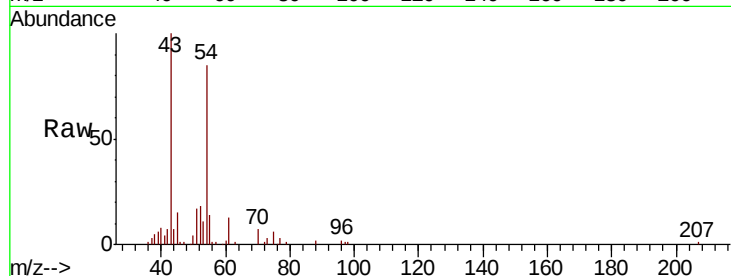
#37
Ethyl Acetate
Concen: 21.20 ug/l
RT: 4.87 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	7.4	6.2	9.2

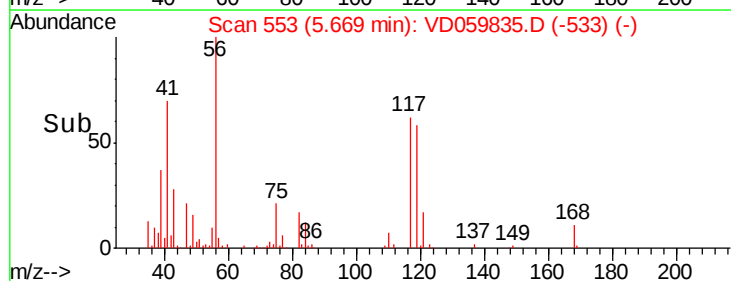
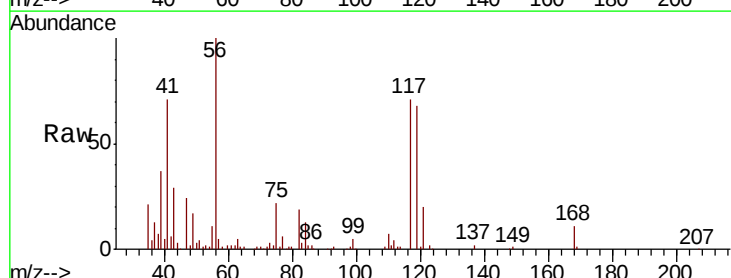
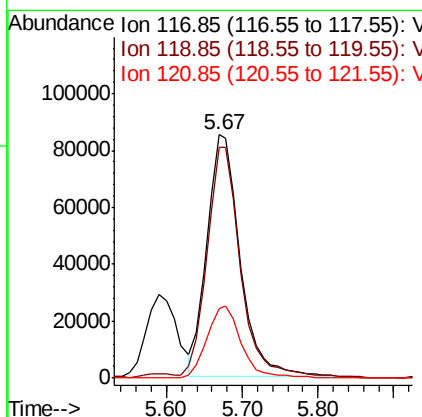
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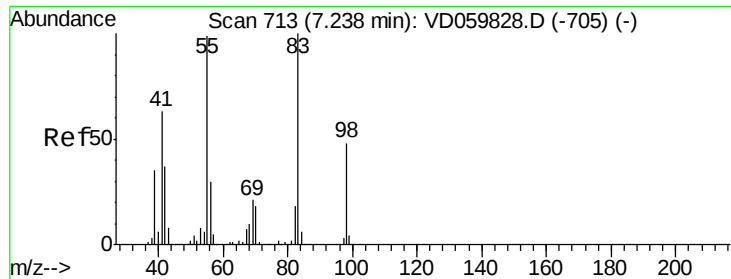
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#38
Carbon Tetrachloride
Concen: 20.76 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.4
121	28.5	24.7	37.1





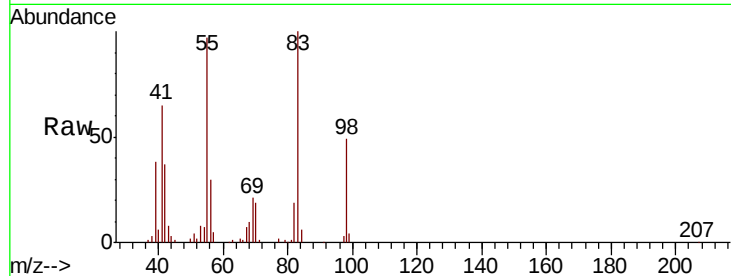
#39
Methvlcvclohexane
Concen: 20.28 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

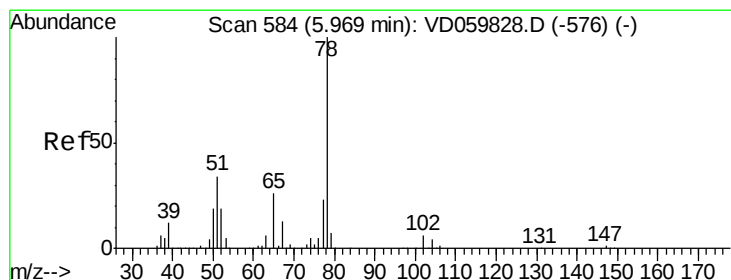
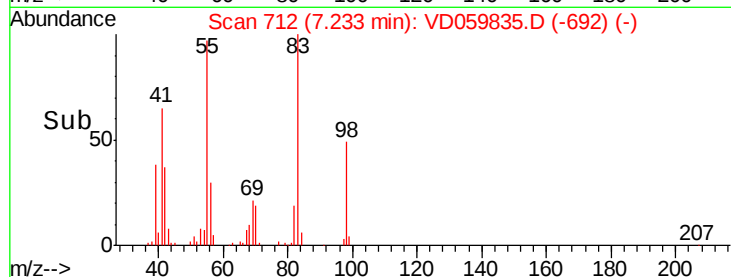
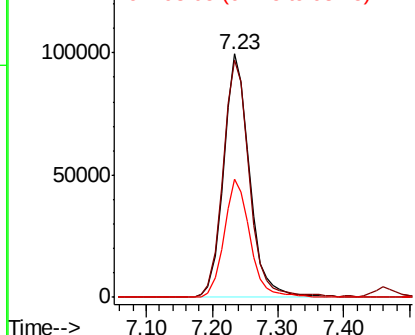
Tot Ion	Ratio	Lower	Upper
83	100		
55	97.2	79.0	118.6
98	48.6	38.1	57.1

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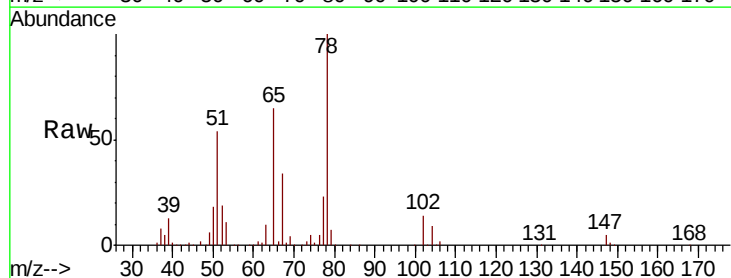


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

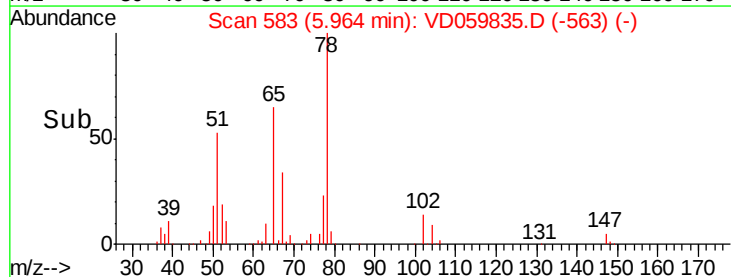
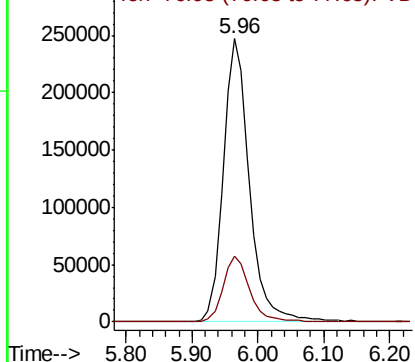


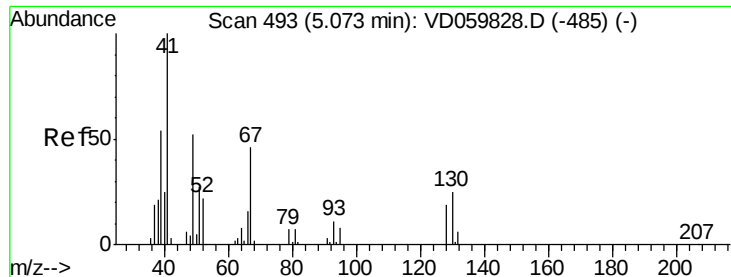
#40
Benzene
Concen: 20.99 ug/l
RT: 5.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.49 ug/l

RT: 5.08 min Scan# 493

Delta R.T. 0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 41 Resp: 97848

Ion Ratio Lower Upper

41 100

39 53.4 43.0 64.6

67 47.4 36.7 55.1

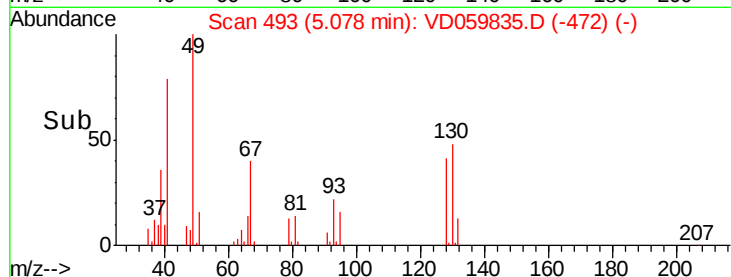
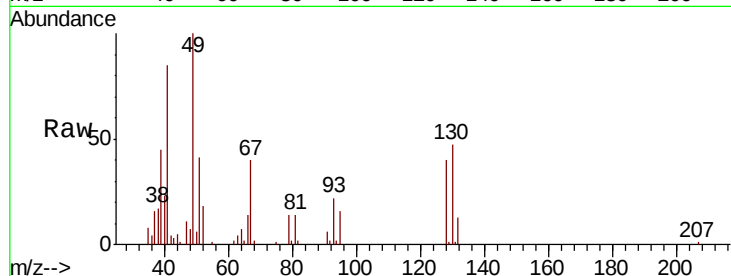
52 21.1 18.0 27.0

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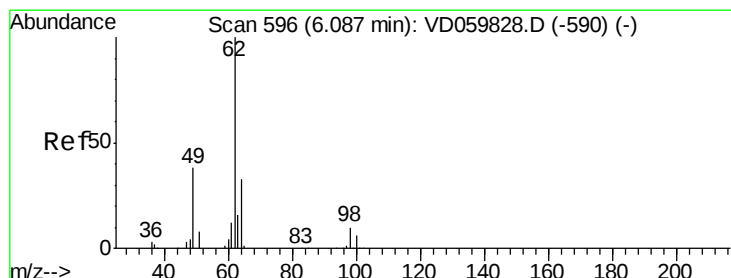
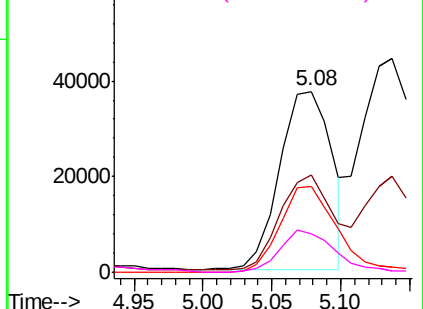


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.11 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD059835.D

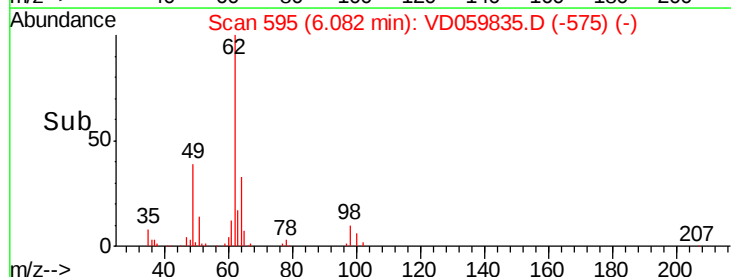
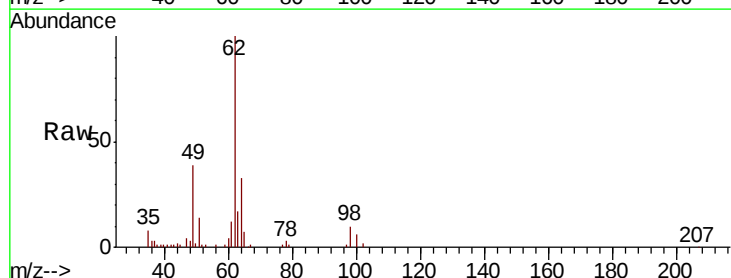
Acq: 20 Aug 2018 17:18

Tgt Ion: 62 Resp: 223870

Ion Ratio Lower Upper

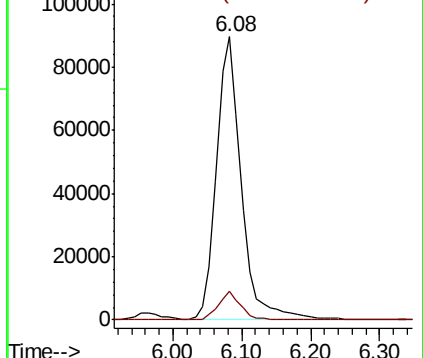
62 100

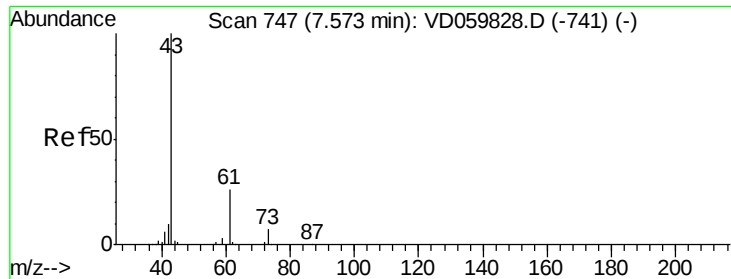
98 10.2 0.0 19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

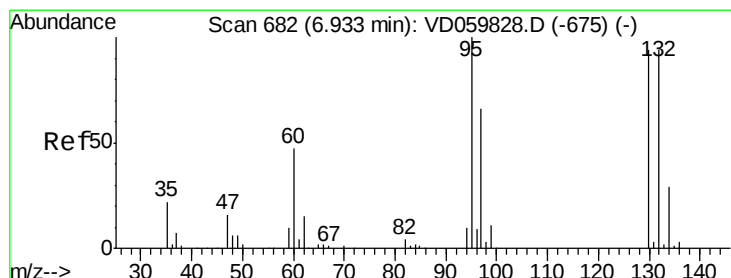
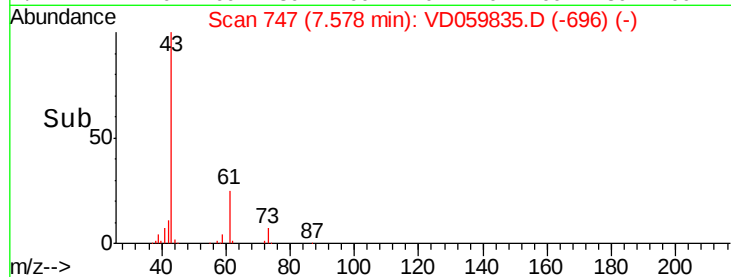
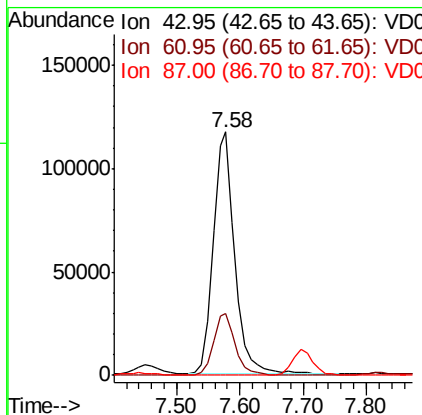
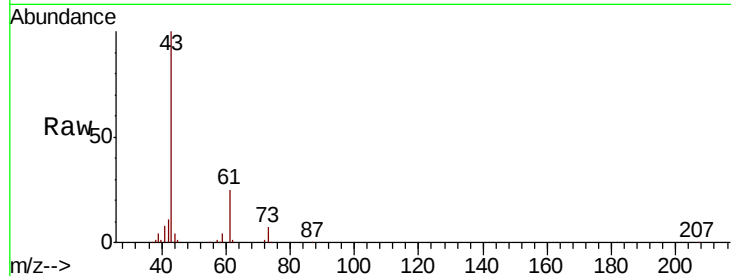
Isopropyl Acetate
 Concen: 21.58 ug/l
 RT: 7.58 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	21.0	31.4
87	0.4	0.2	0.4

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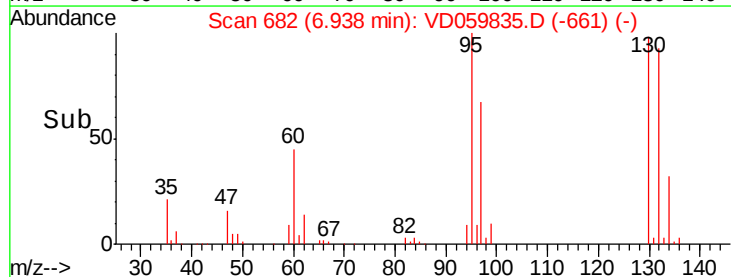
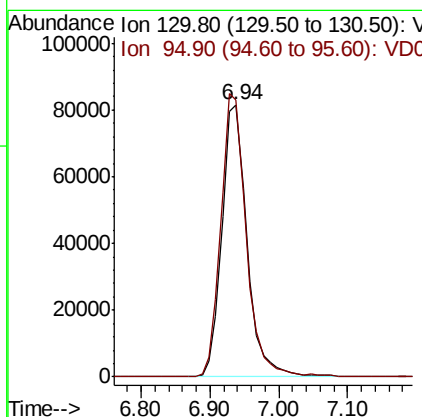
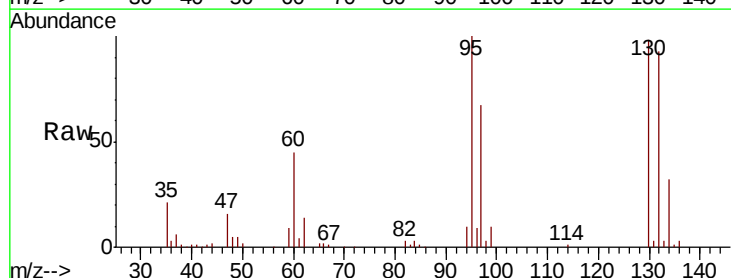
apatel
 8/21/2018 10:24:56 AM

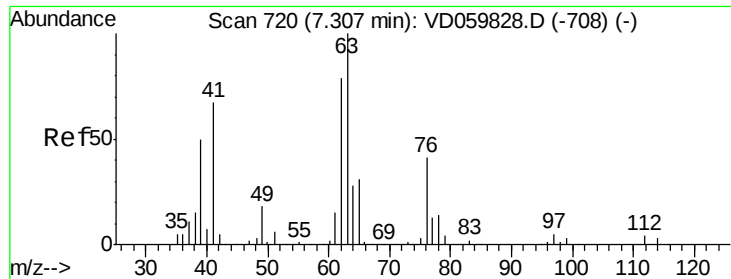


#44

Trichloroethene
 Concen: 21.30 ug/l
 RT: 6.94 min Scan# 682
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	213.0





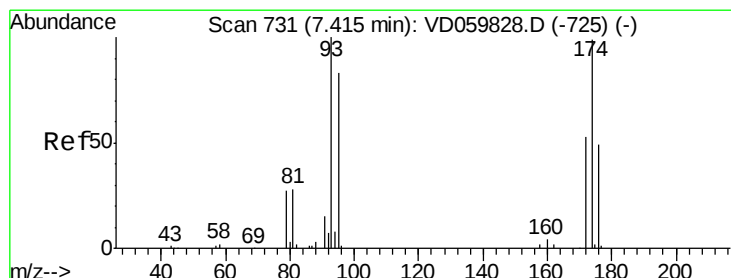
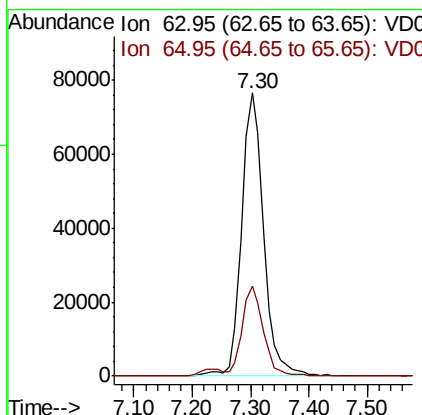
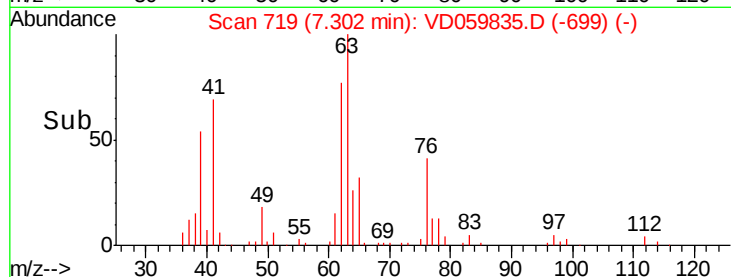
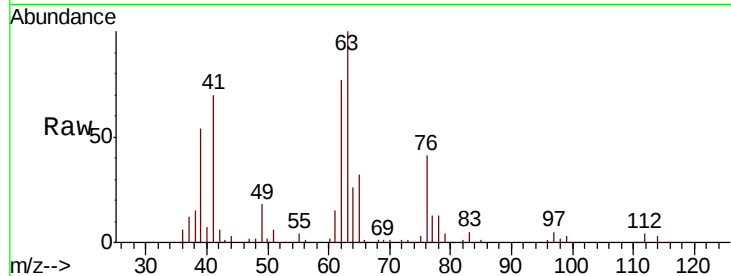
#45
 1,2-Dichloropropane
 Concen: 21.07 ug/l
 RT: 7.30 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD01

Tot Ion: 63 Resp: 201508
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.5 36.7

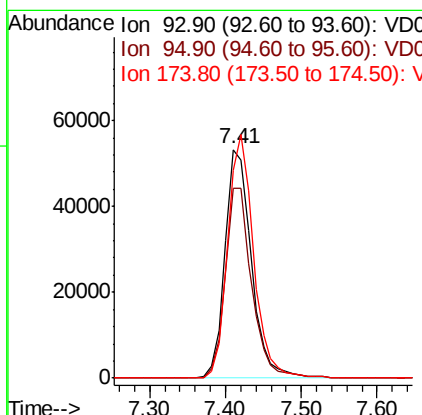
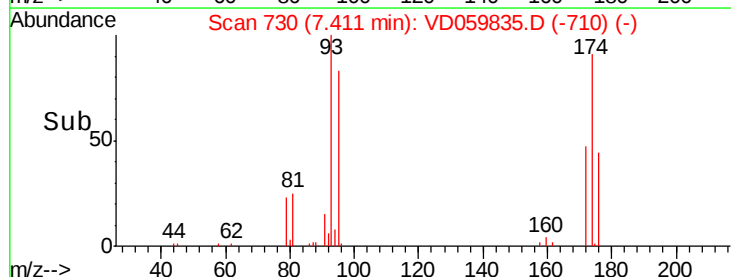
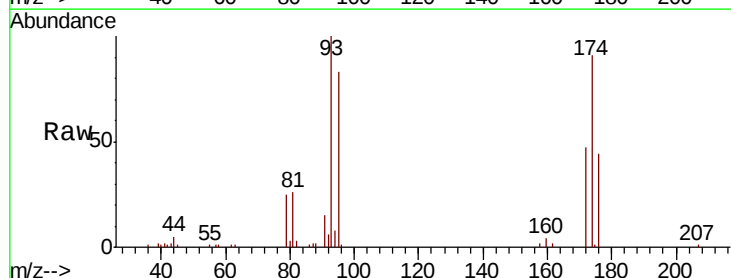
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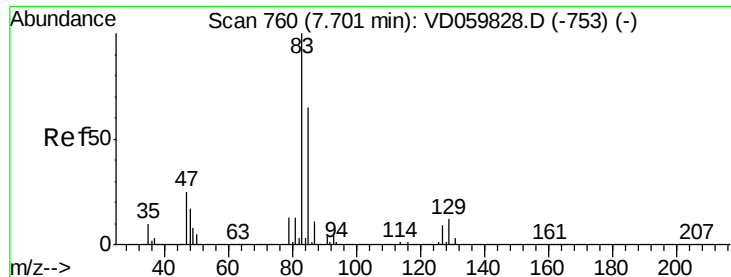
apatel
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#46
 Dibromomethane
 Concen: 21.59 ug/l
 RT: 7.41 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion: 93 Resp: 128566
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.3 99.5
 174 91.0 79.4 119.0





#47

Bromodichloromethane

Concen: 21.33 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

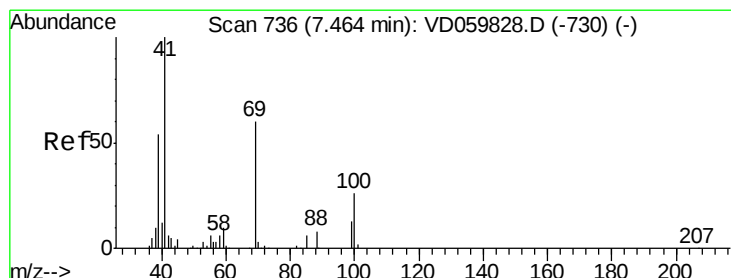
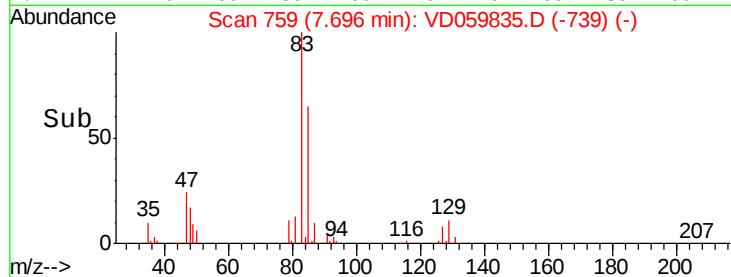
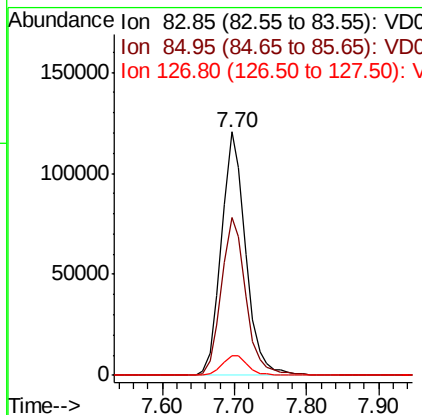
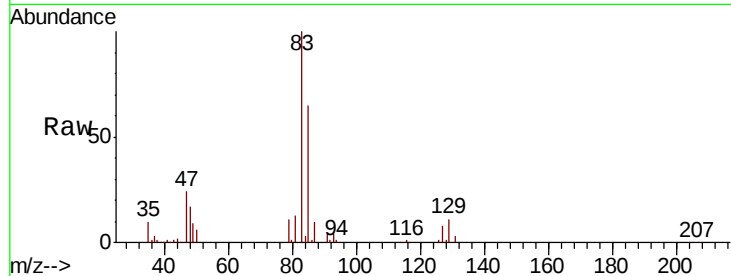
ClientSampleId :

VD0820SBS01

Tot Ion:	83	Resp:	280459
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4
127	8.2	7.1	10.7

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#48

Methyl methacrylate

Concen: 21.58 ug/l

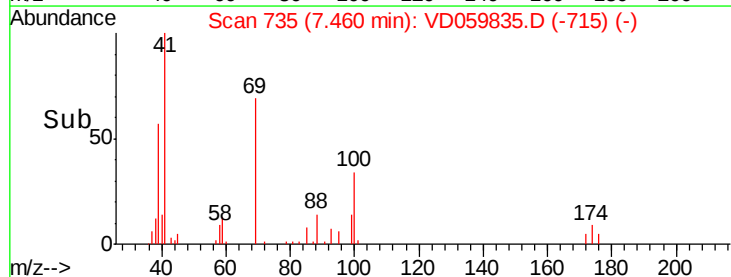
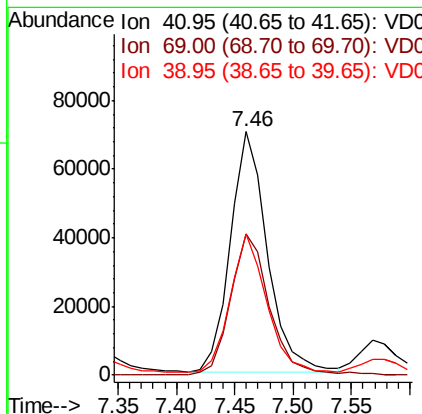
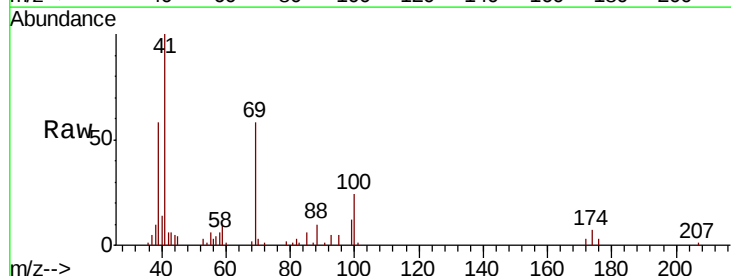
RT: 7.46 min Scan# 735

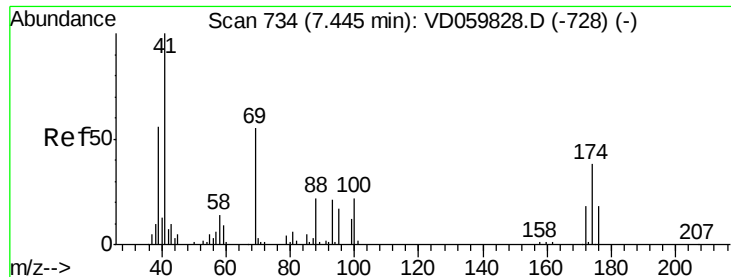
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion:	41	Resp:	153451
Ion	Ratio	Lower	Upper
41	100		
69	57.9	47.0	70.4
39	58.0	43.4	65.2





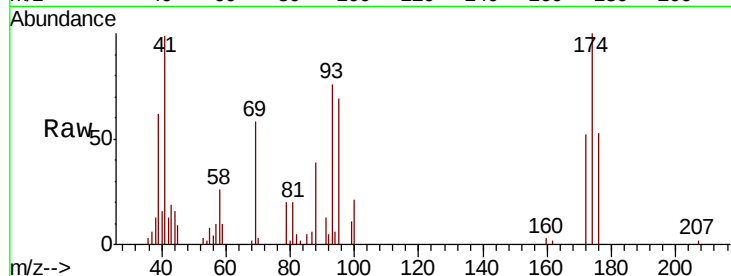
#49
1,4-Dioxane
Concen: 468.97 ug/l
RT: 7.44 min Scan# 733
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	28217		
43	49.1		41.4	62.0
58	66.1		52.4	78.6

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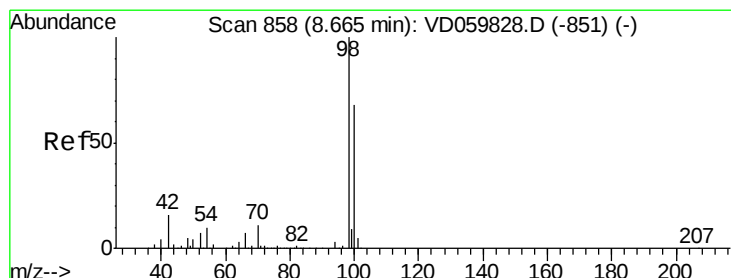
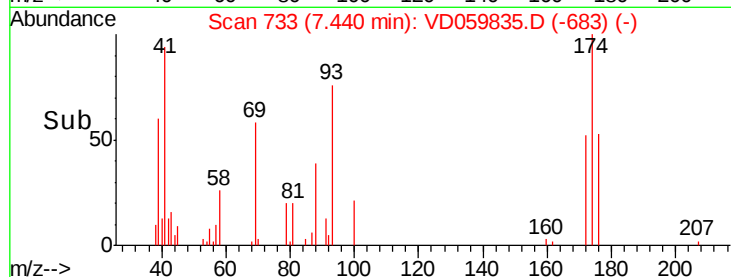
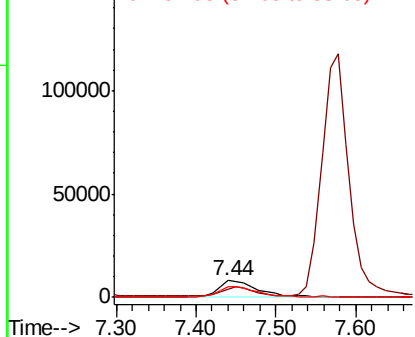


Abundance

Ion 88.00 (87.70 to 88.70): VDC

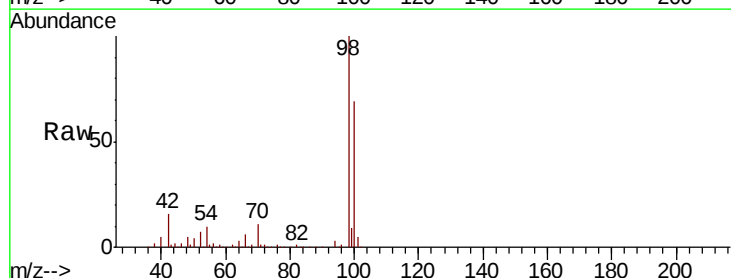
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 468.97 ug/l
RT: 8.66 min Scan# 857
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

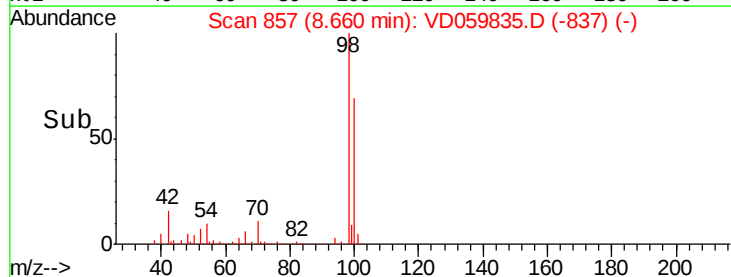
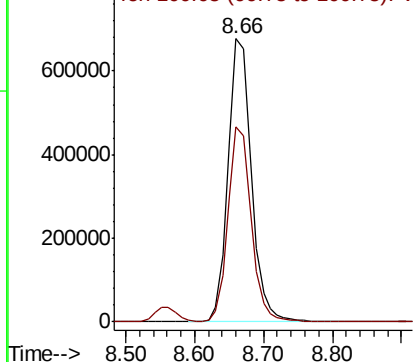
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1597252		
100	68.9		55.0	82.4

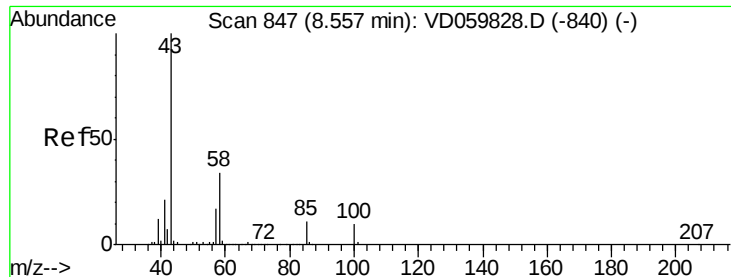


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 104.84 ug/l

RT: 8.55 min Scan# 846

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 43 Resp: 903595

Ion Ratio Lower Upper

43 100

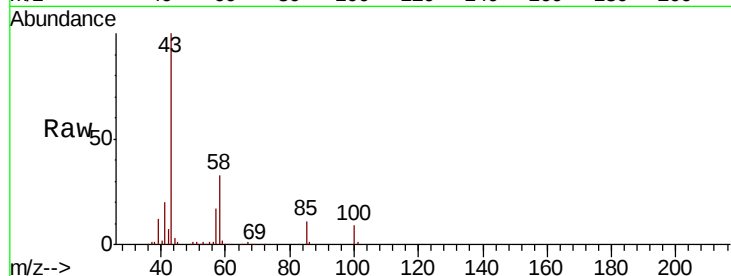
58 32.9 27.0 40.4

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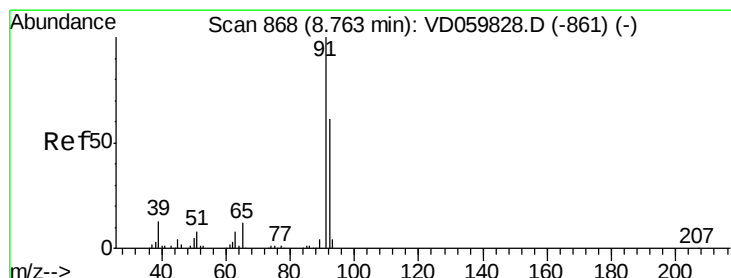
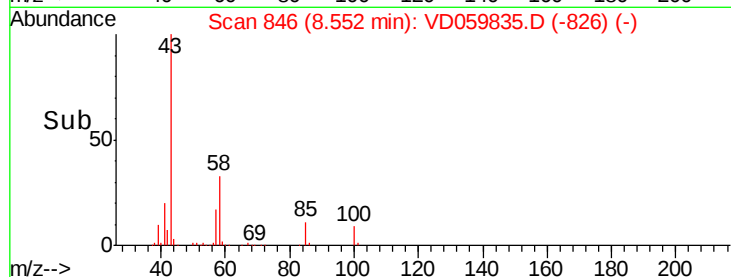
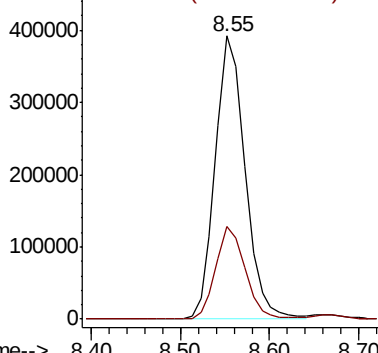
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.59 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059835.D

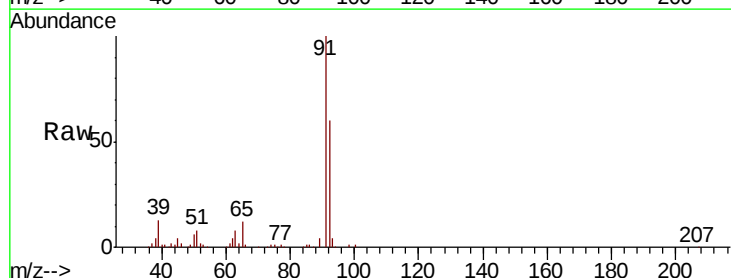
Acq: 20 Aug 2018 17:18

Tgt Ion: 92 Resp: 444798

Ion Ratio Lower Upper

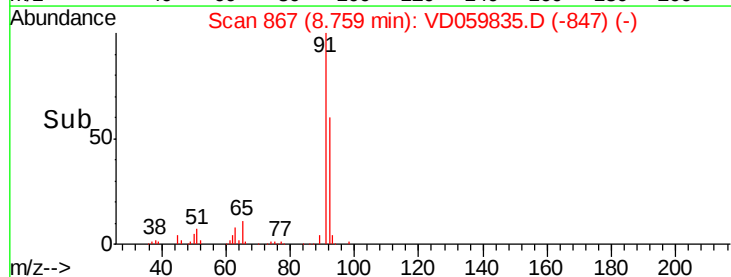
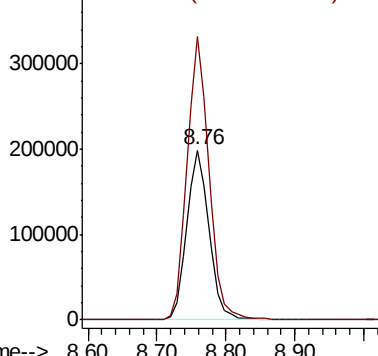
92 100

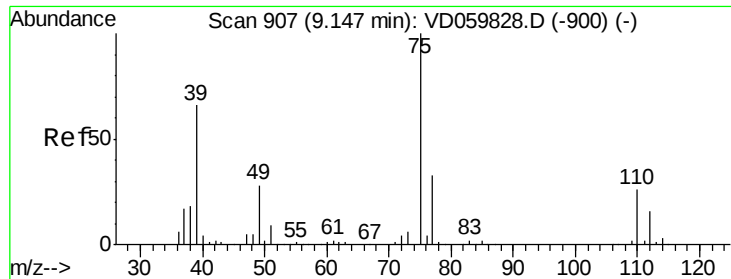
91 167.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





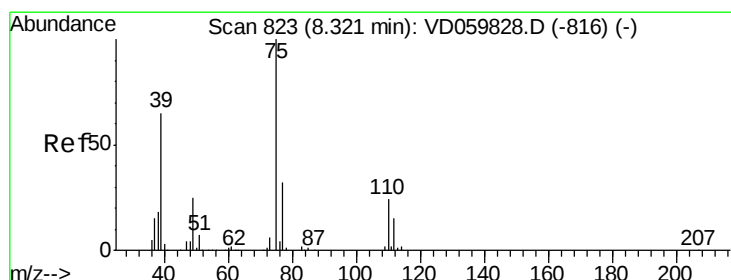
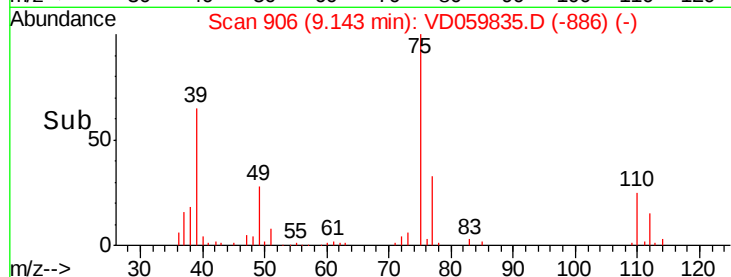
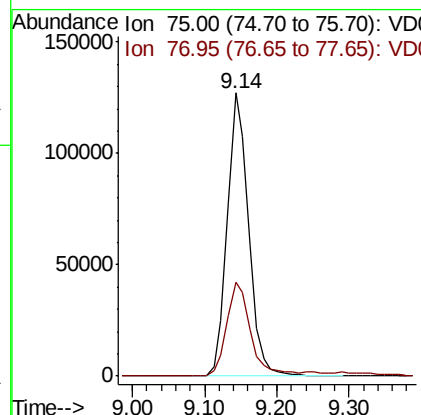
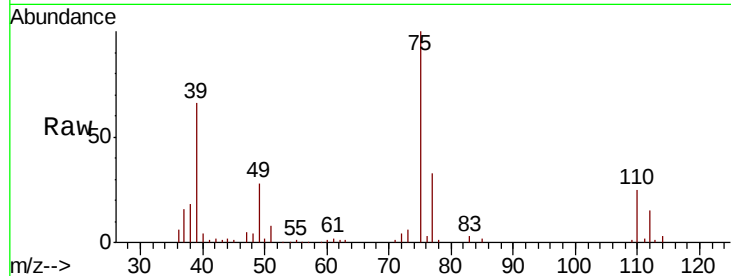
#53
 t-1,3-Dichloropropene
 Concen: 21.65 ug/l
 RT: 9.14 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion: 75 Resp: 259286
 Ion Ratio Lower Upper
 75 100
 77 33.1 26.3 39.5

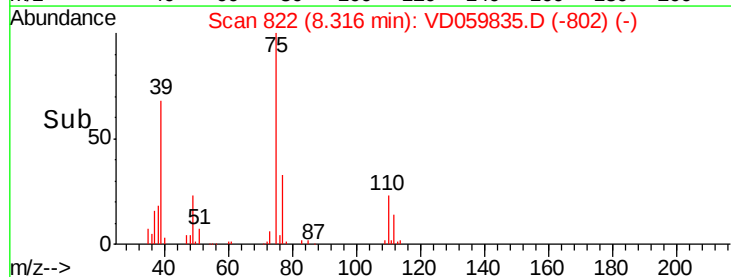
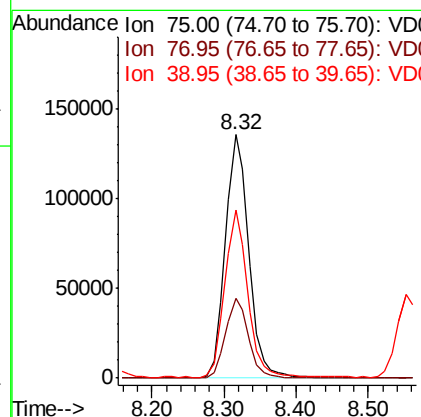
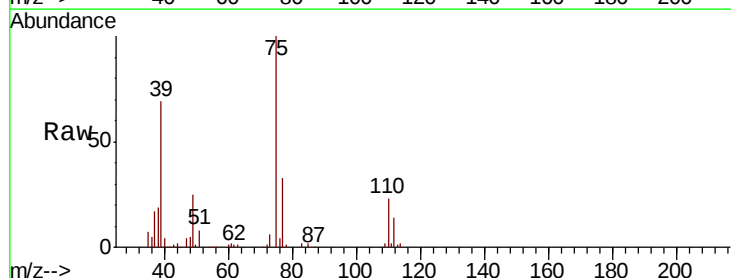
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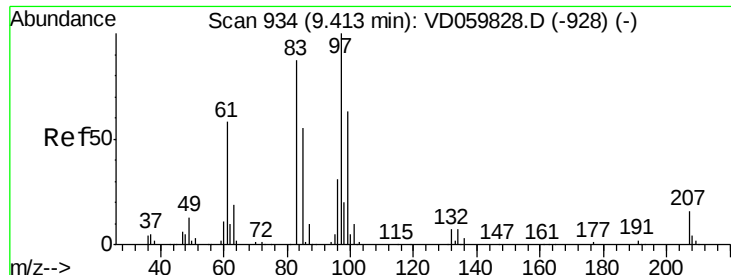
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 21.25 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion: 75 Resp: 304754
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8
 39 69.0 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 21.97 ug/l

RT: 9.41 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

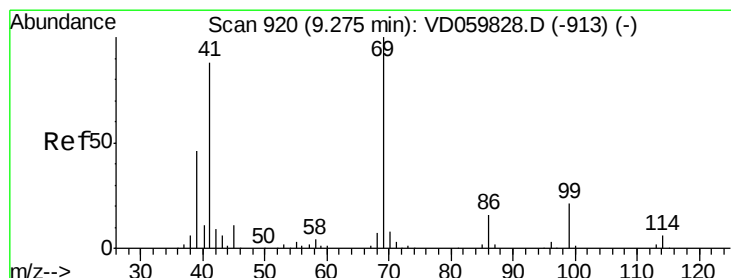
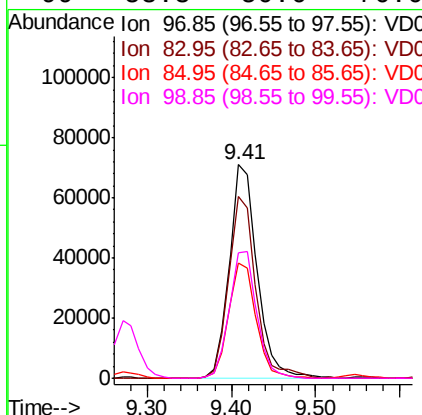
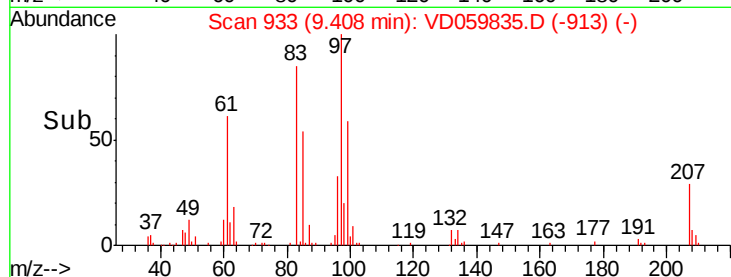
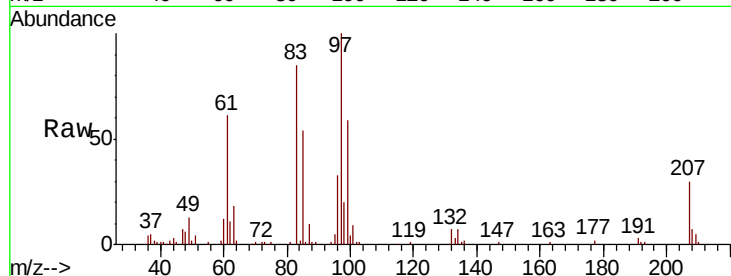
ClientSampleId :

VD0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	163388		
83	85.1	69.2	103.8	
85	53.8	44.3	66.5	
99	58.8	50.6	76.0	

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#56

Ethyl methacrylate

Concen: 21.85 ug/l

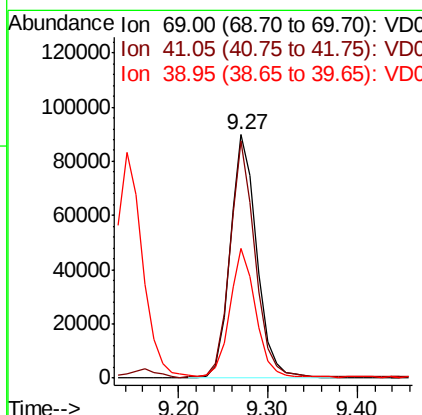
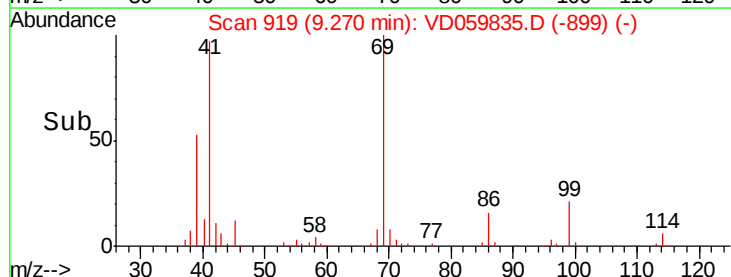
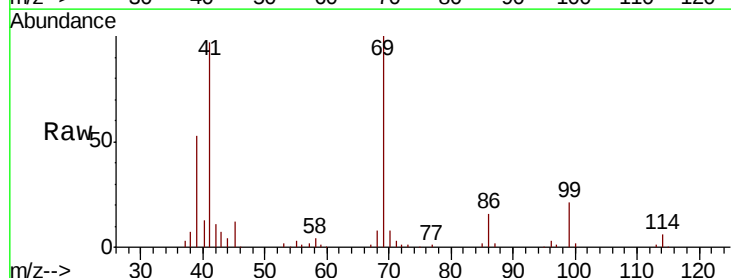
RT: 9.27 min Scan# 919

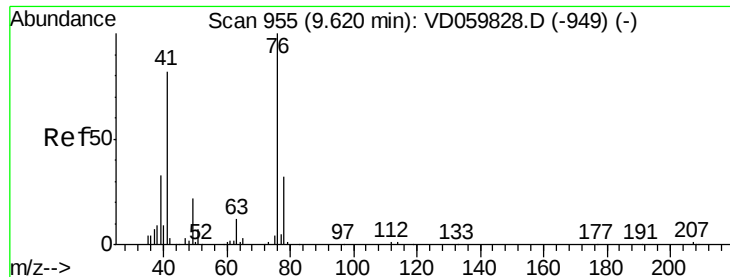
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	187331		
41	97.3	71.0	106.4	
39	53.2	38.0	57.0	





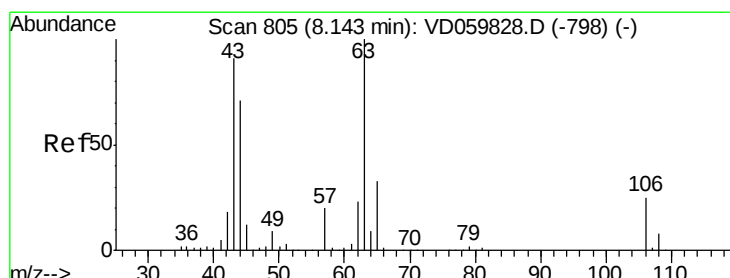
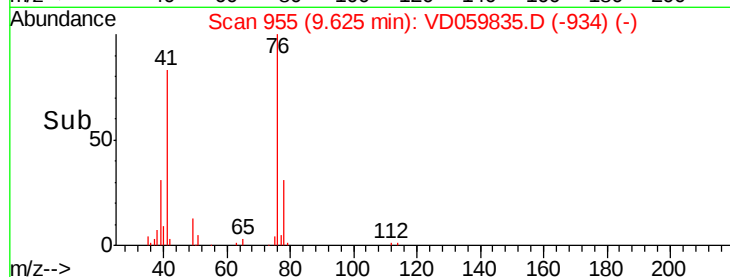
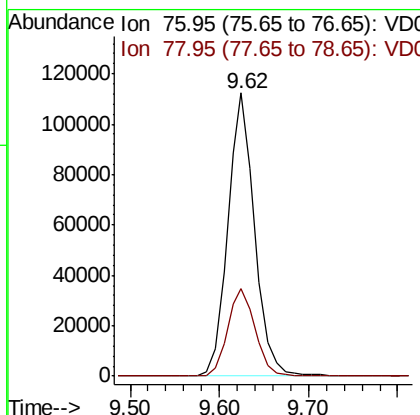
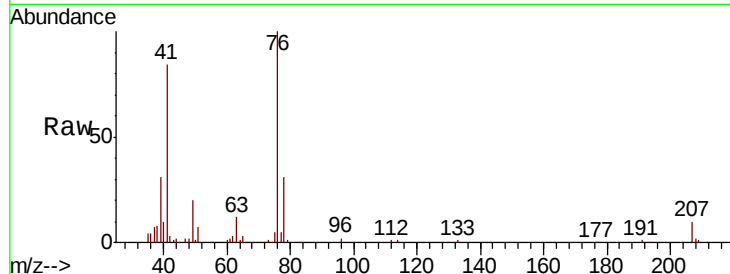
#57
 1,3-Dichloropropane
 Concen: 21.61 ug/l
 RT: 9.62 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.5	38.3

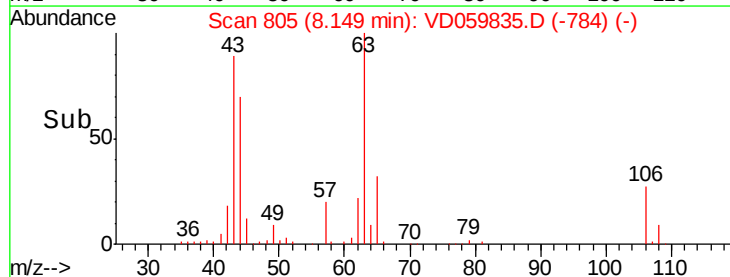
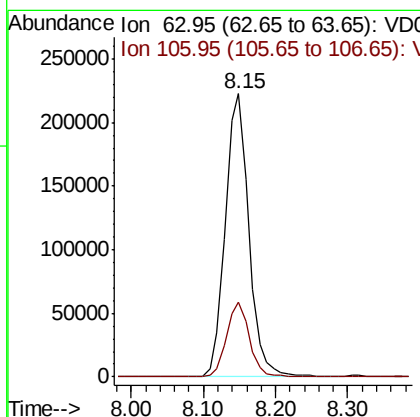
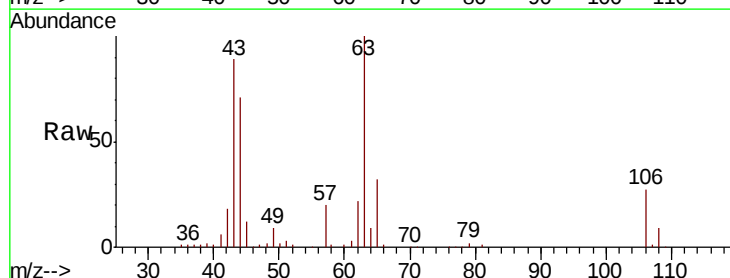
Manual Integrations
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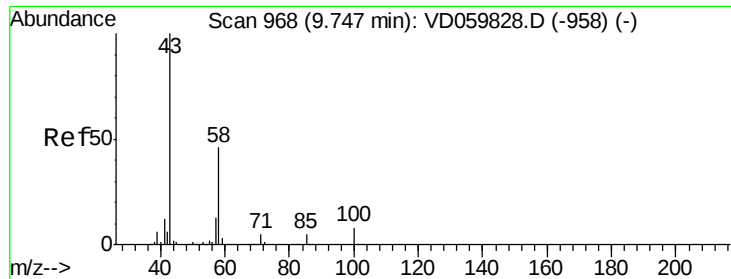
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 100.72 ug/l
 RT: 8.15 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	19.6	29.4





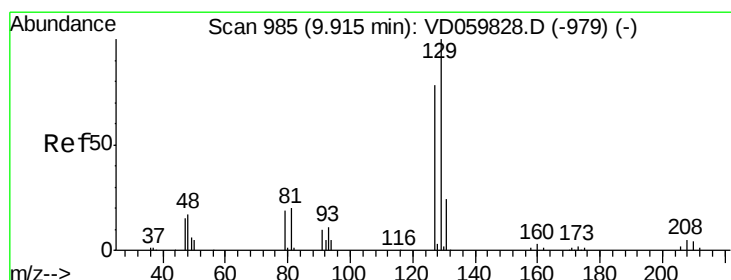
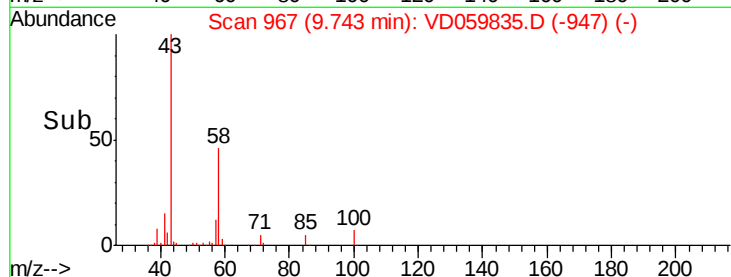
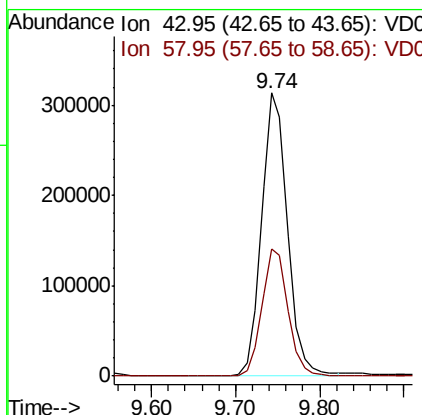
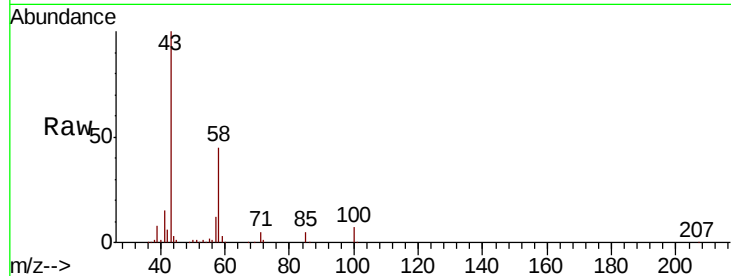
#59
2-Hexanone
Concen: 105.84 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion: 43 Resp: 674240
Ion Ratio Lower Upper
43 100
58 45.0 23.1 69.2

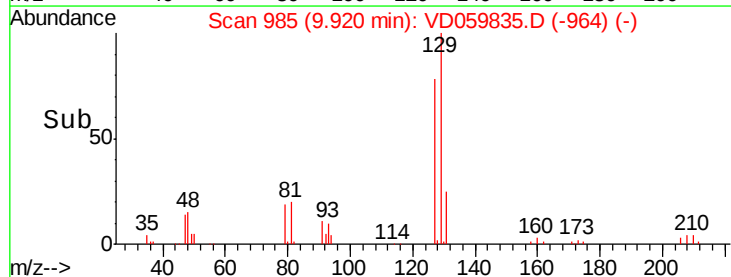
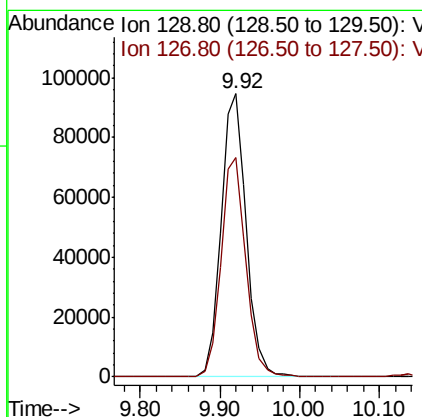
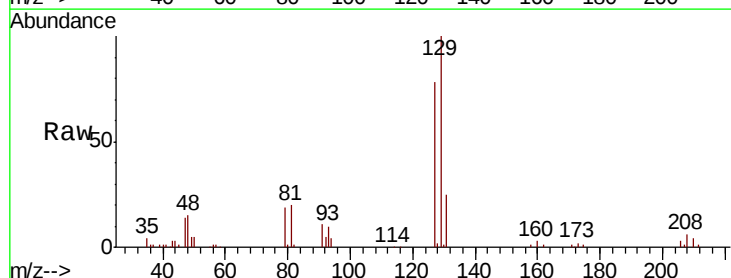
Manual Integrations
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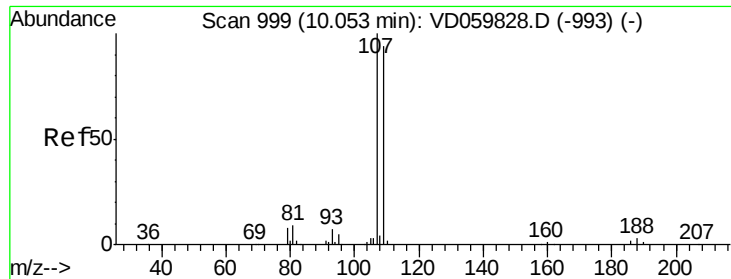
apatel
8/21/2018 10:24:56 AM



#60
Dibromochloromethane
Concen: 21.82 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion: 129 Resp: 208966
Ion Ratio Lower Upper
129 100
127 77.6 39.0 116.9





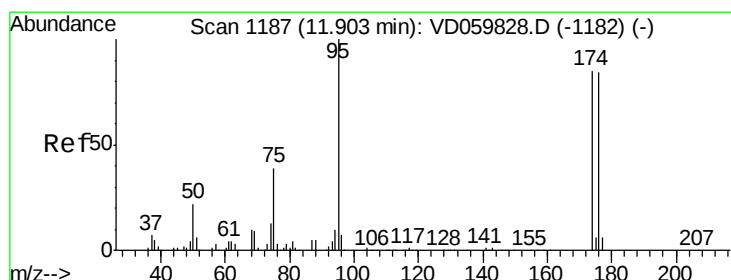
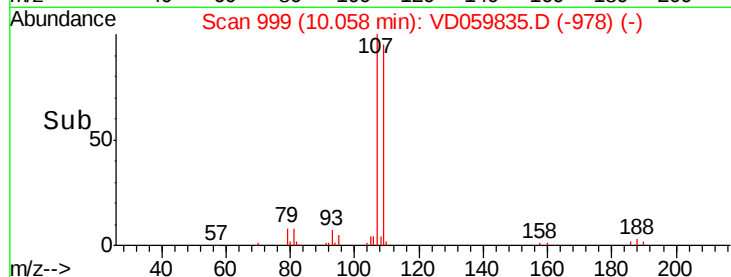
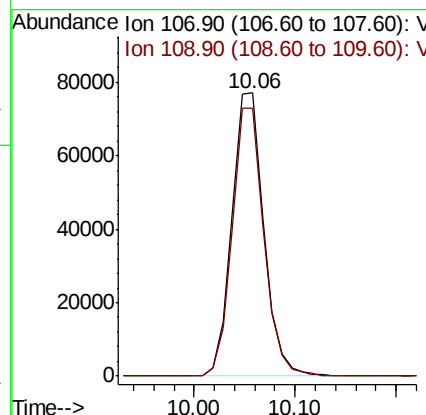
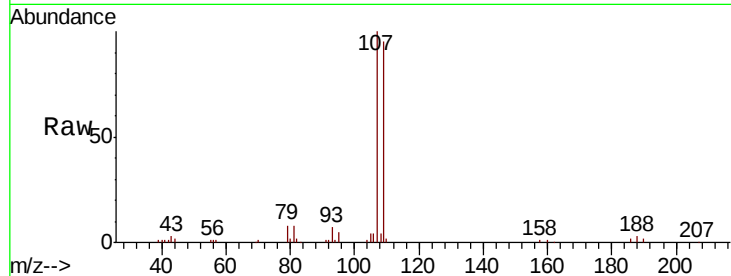
#61
 1,2-Dibromoethane
 Concen: 21.24 ug/l
 RT: 10.06 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

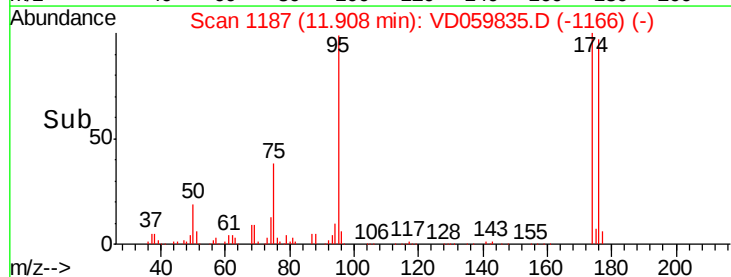
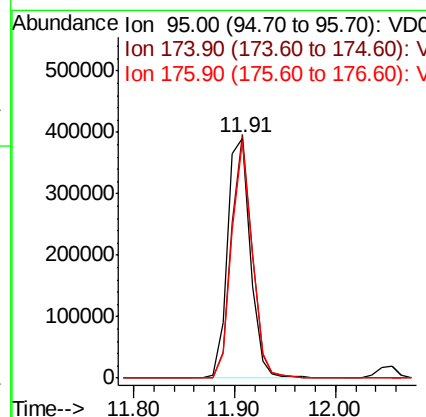
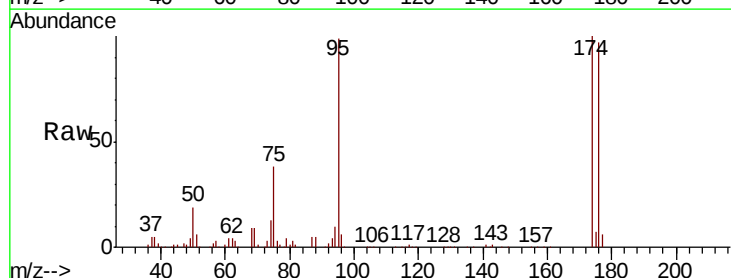
Manual Integrations
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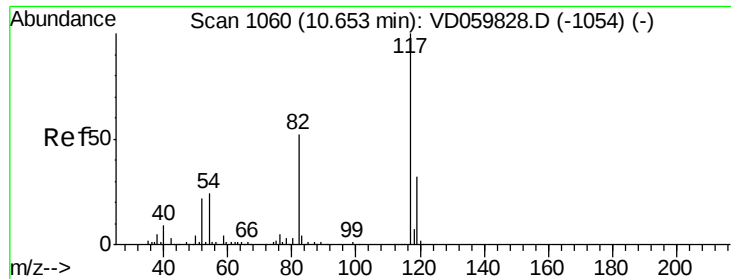
apatel
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#62
 4-Bromofluorobenzene
 Concen: 21.24 ug/l
 RT: 11.91 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	101.4	0.0	169.2
176	98.7	0.0	168.0





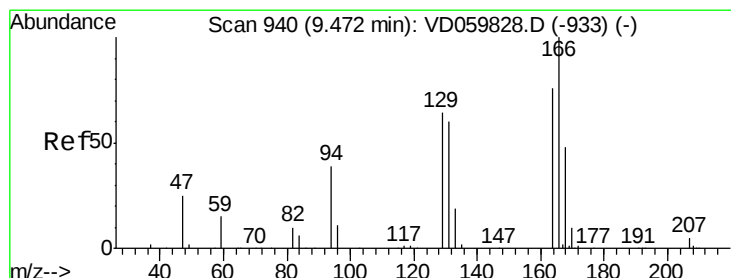
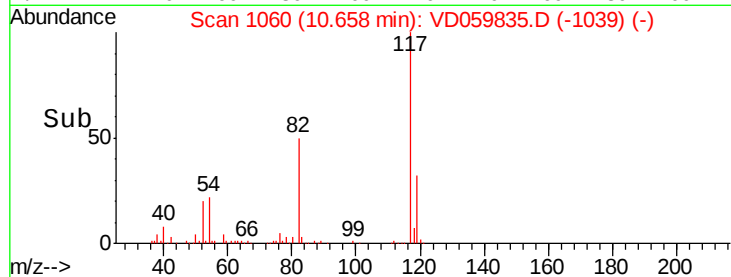
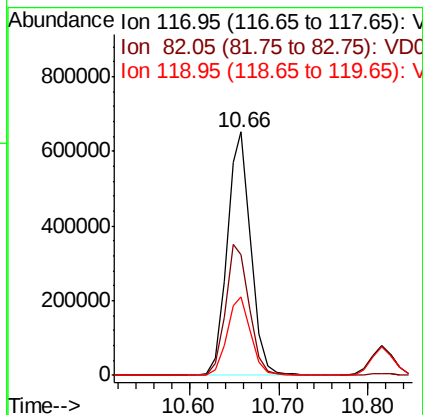
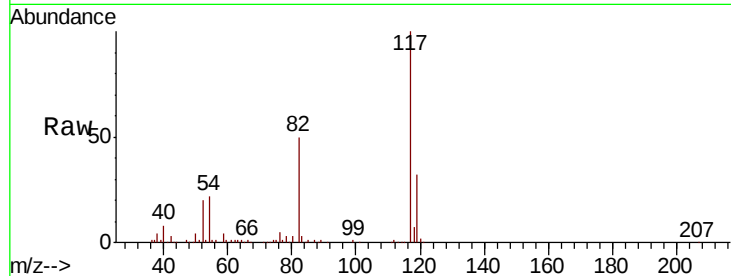
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.6	62.4
119	32.0	25.6	38.4

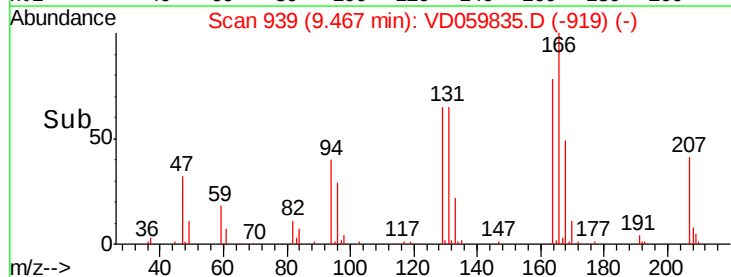
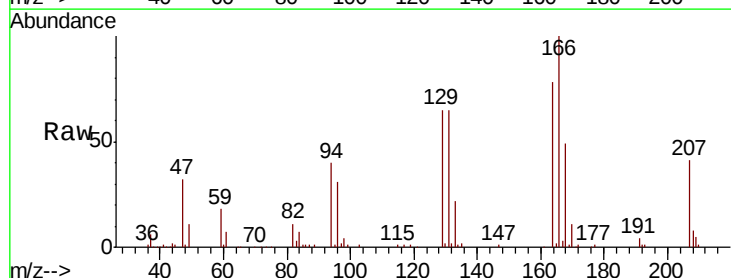
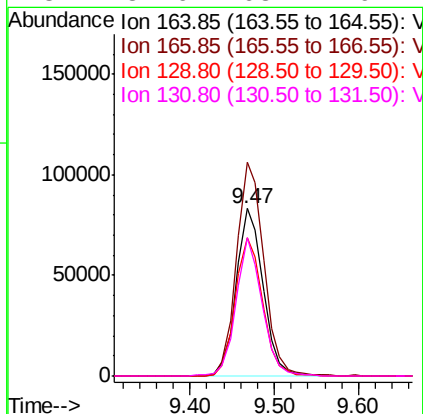
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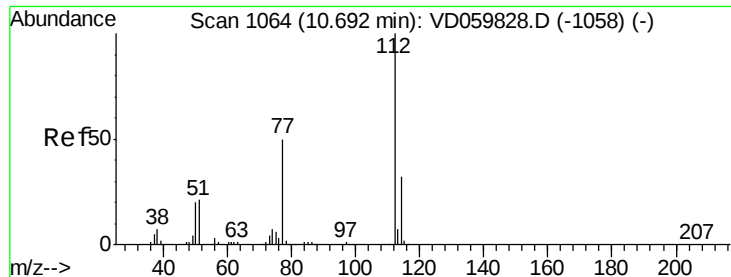
apatel
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#64
Tetrachloroethene
Concen: 20.77 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	104.9	157.3
129	83.0	66.7	100.1
131	82.6	63.1	94.7





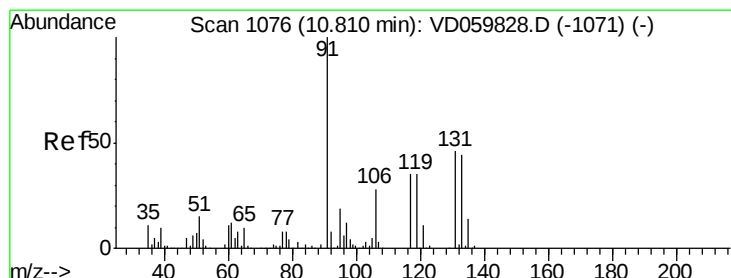
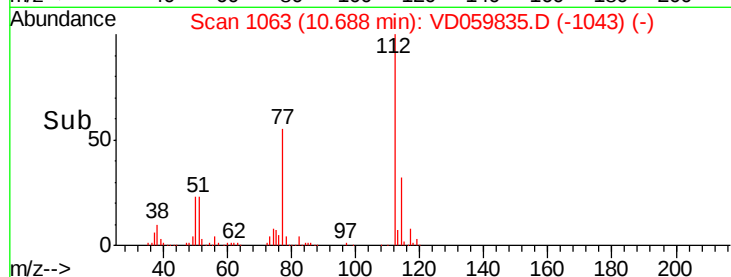
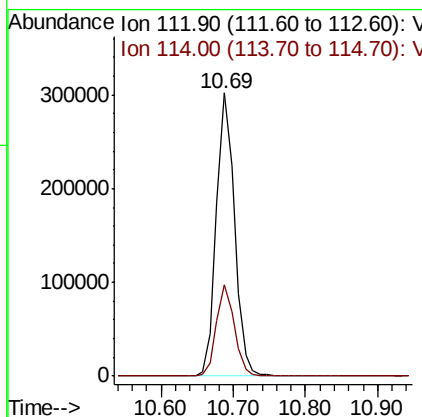
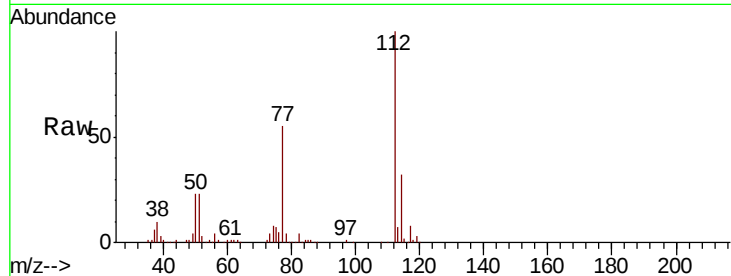
#65
Chlorobenzene
Concen: 22.29 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.7	38.5

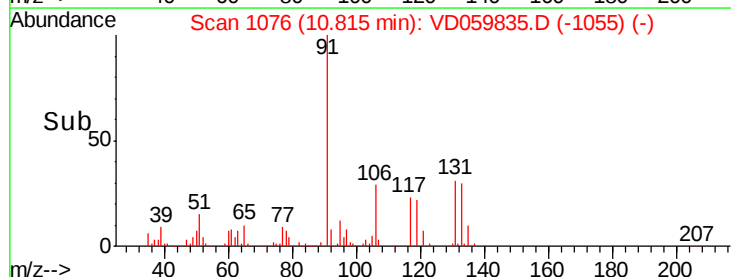
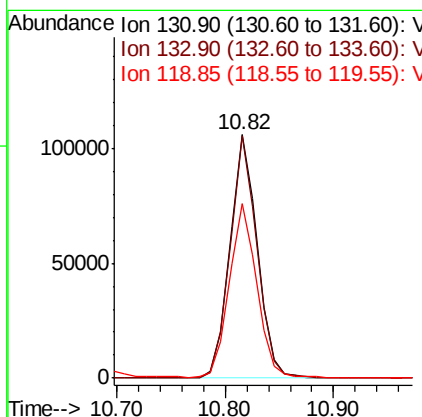
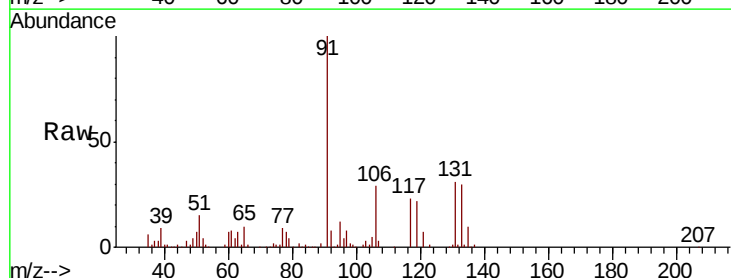
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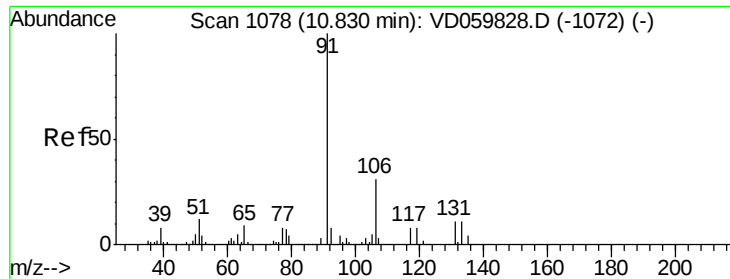
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.21 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.5	47.1	141.4
119	71.7	37.5	112.7





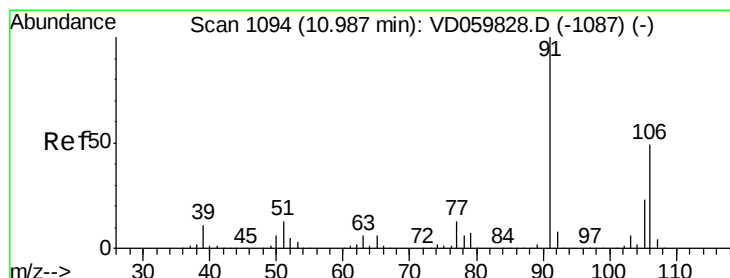
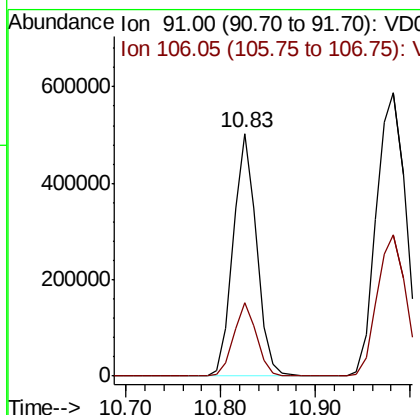
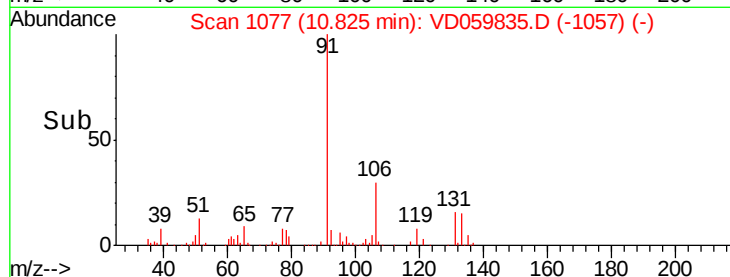
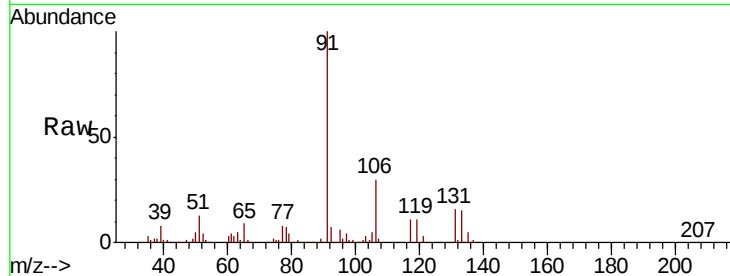
#67
Ethyl Benzene
Concen: 20.43 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion: 91 Resp: 857684
Ion Ratio Lower Upper
91 100
106 30.3 25.1 37.7

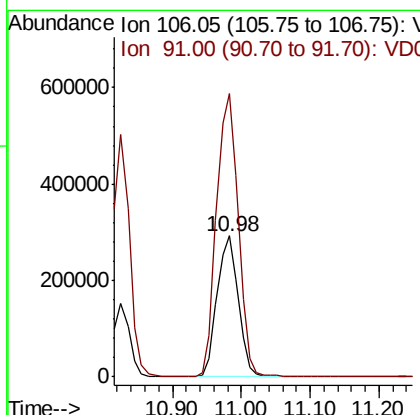
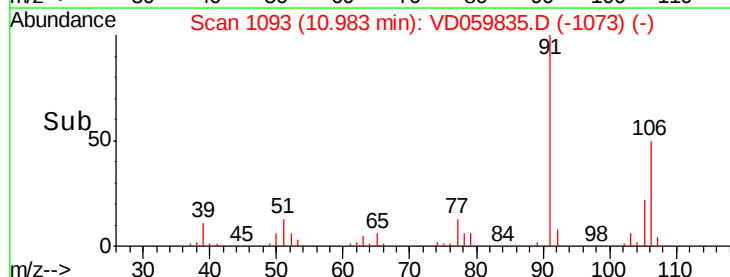
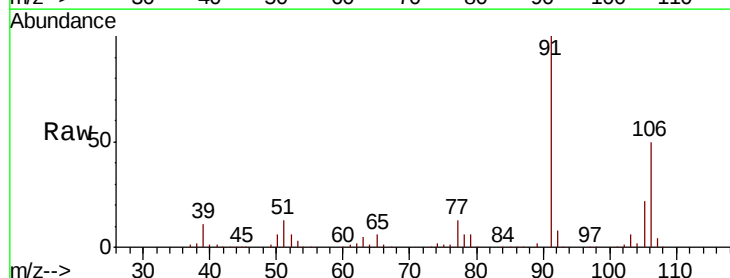
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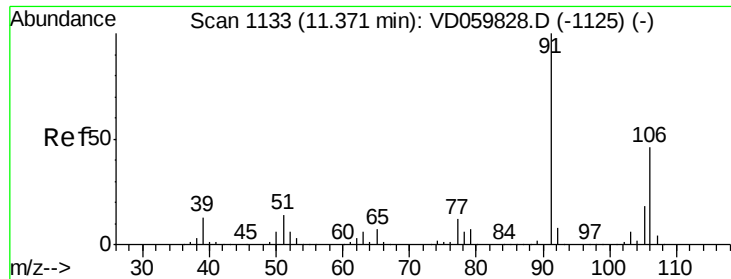
apatel
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#68
m/p-Xylenes
Concen: 40.35 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion: 106 Resp: 621934
Ion Ratio Lower Upper
106 100
91 200.8 161.8 242.8





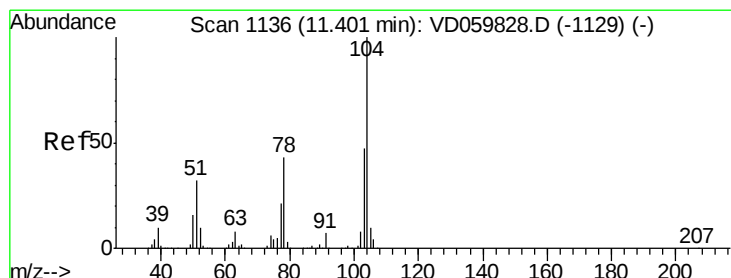
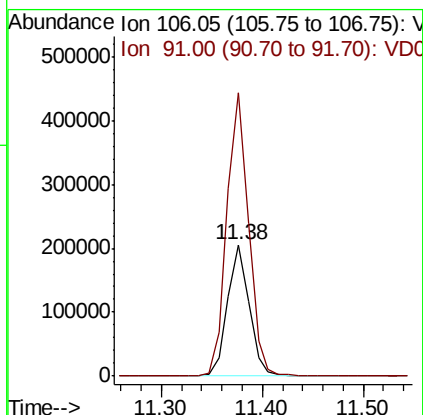
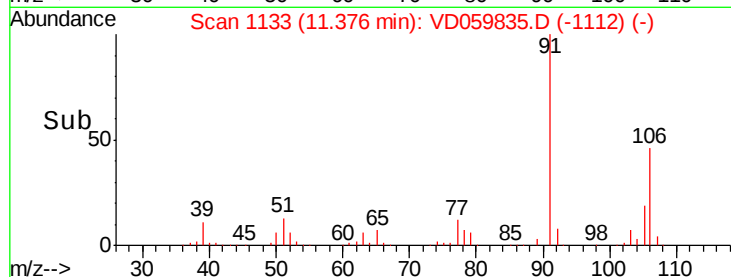
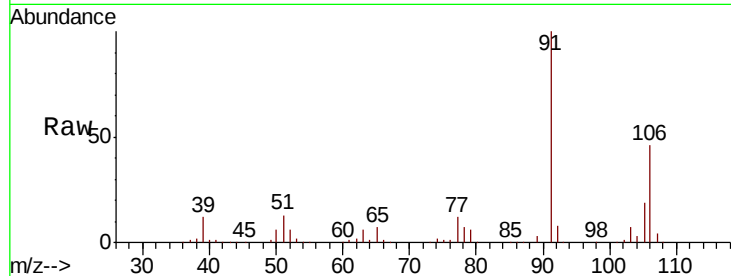
#69
o-Xylene
Concen: 22.46 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleID :
VD0820SBS01

Tot Ion:106 Resp: 305614
Ion Ratio Lower Upper
106 100
91 215.8 108.5 325.3

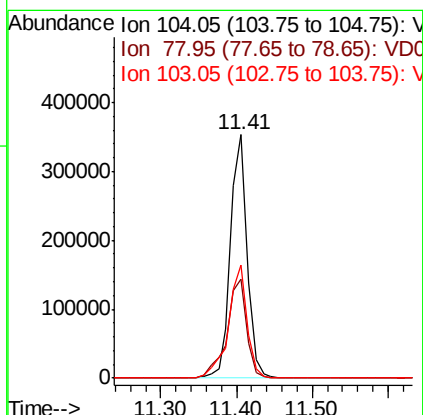
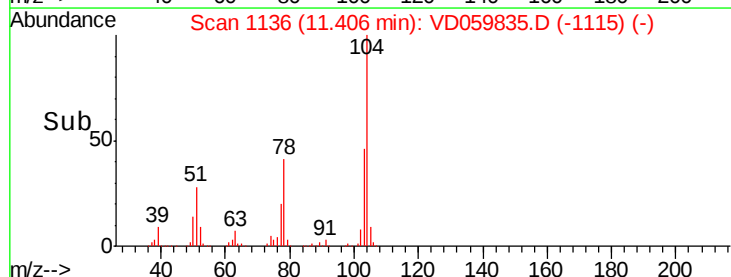
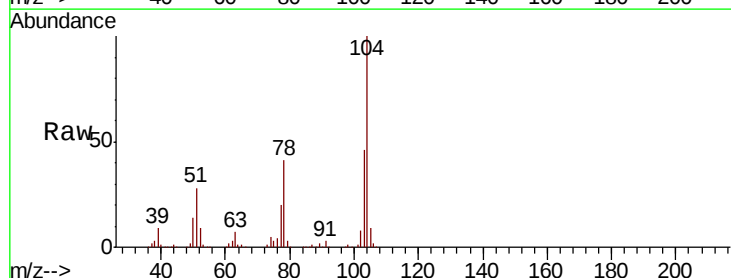
Manual Integrations
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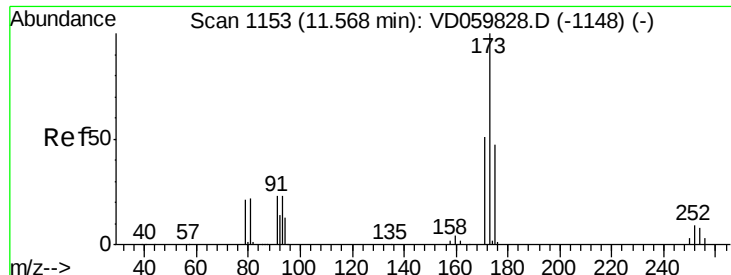
apatel
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#70
Styrene
Concen: 22.55 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion:104 Resp: 534252
Ion Ratio Lower Upper
104 100
78 40.9 34.6 52.0
103 46.4 37.8 56.6





#71

Bromoform

Concen: 21.88 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

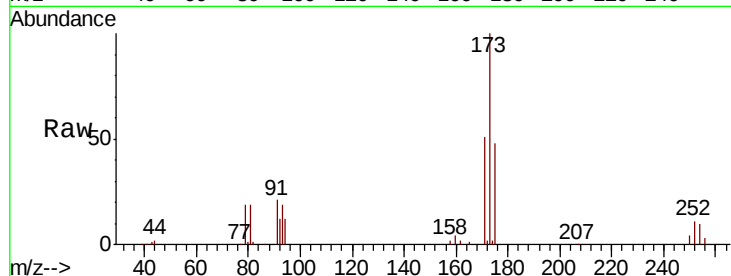
ClientSampleId :

VD0820SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.7	71.1
254	9.9	6.7	10.1

Manual Integrations
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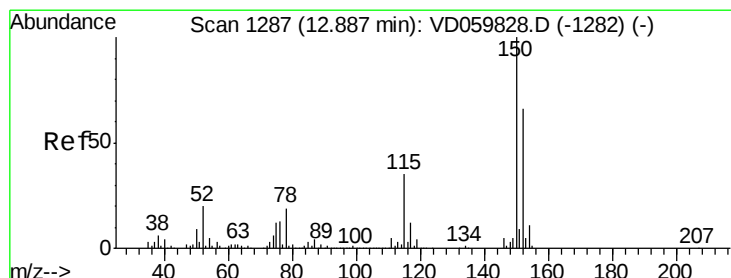
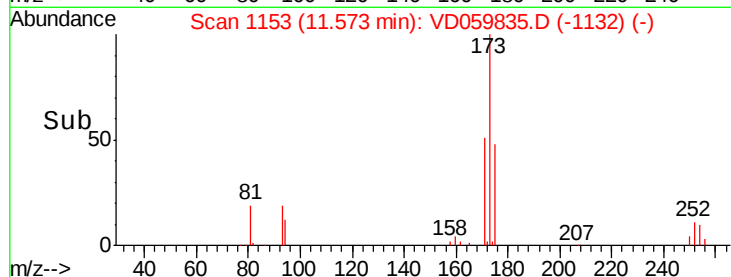
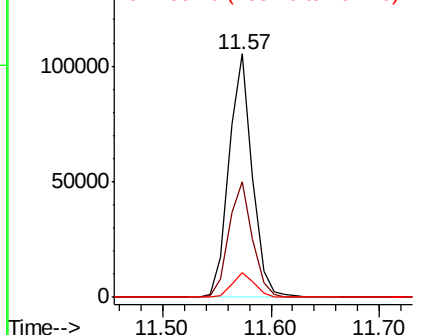
apatel
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

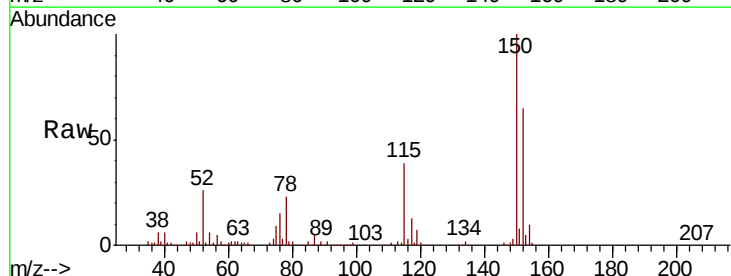
RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

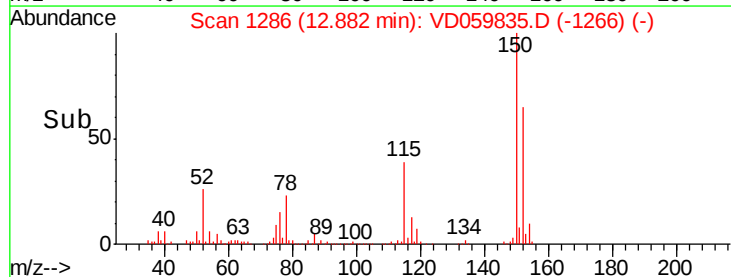
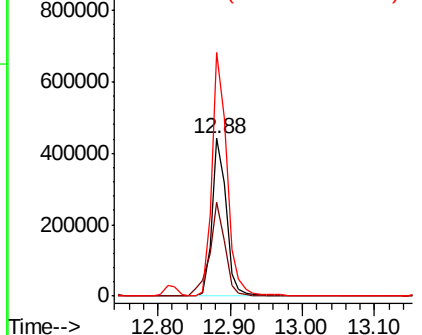
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	26.9	80.6
150	154.8	0.0	306.8

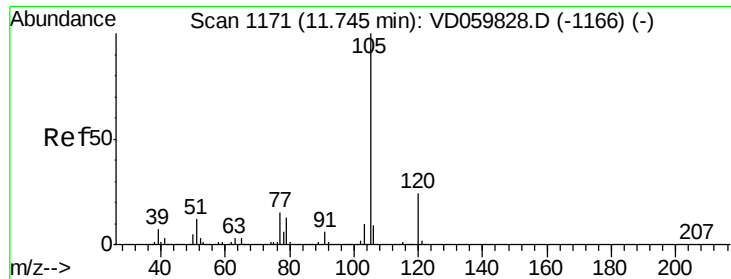


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.13 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 105 Resp: 861547

Ion Ratio Lower Upper

105 100

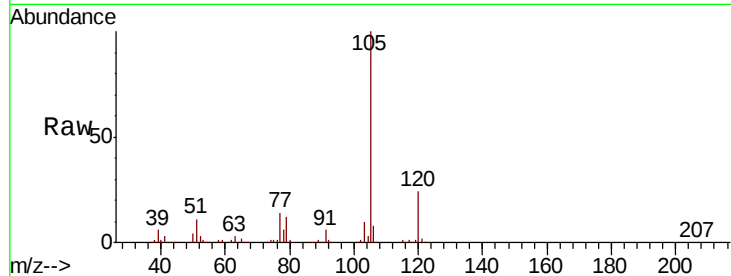
120 24.3 11.9 35.5

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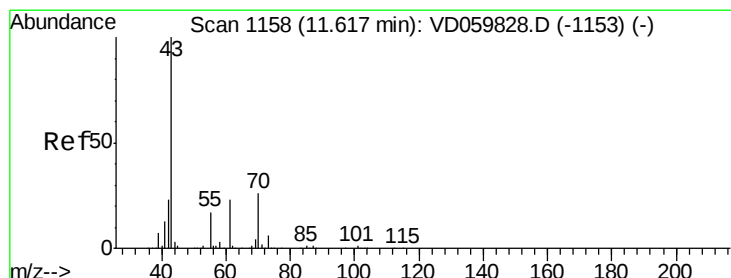
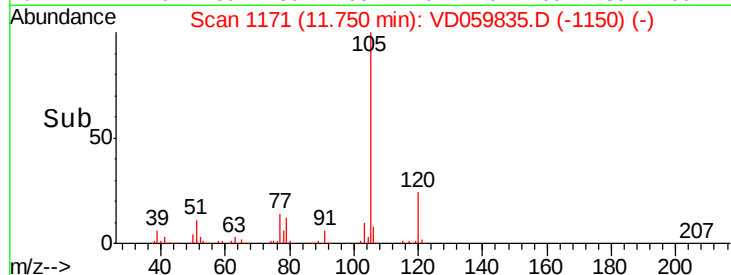
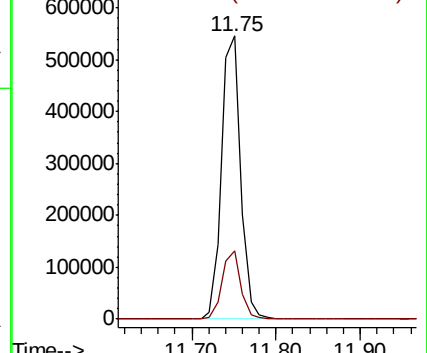
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.26 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion: 43 Resp: 369882

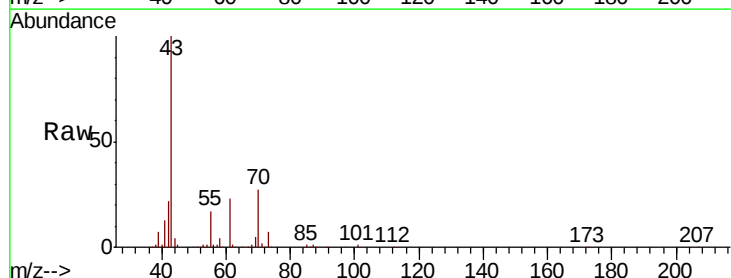
Ion Ratio Lower Upper

43 100

70 26.8 20.5 30.7

55 16.6 13.7 20.5

61 23.0 18.0 27.0

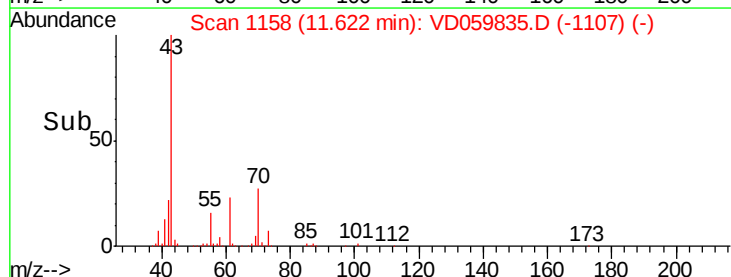
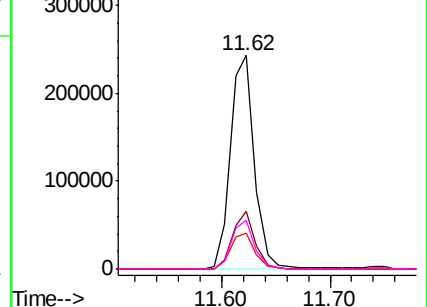


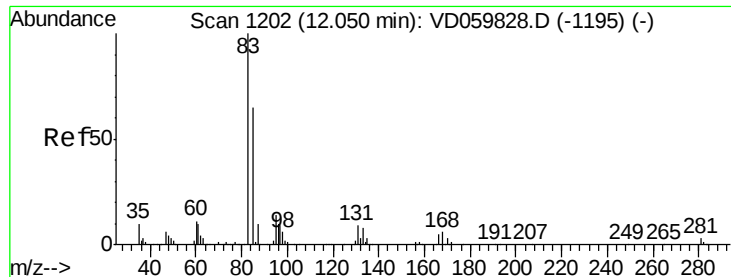
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.59 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

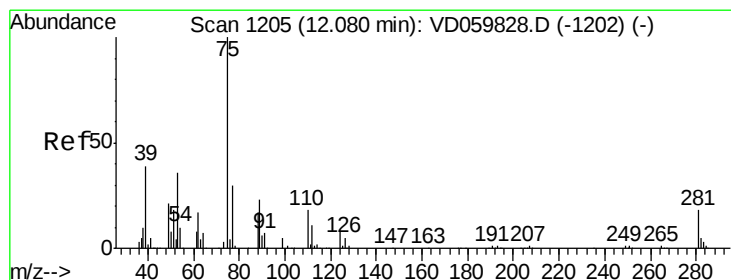
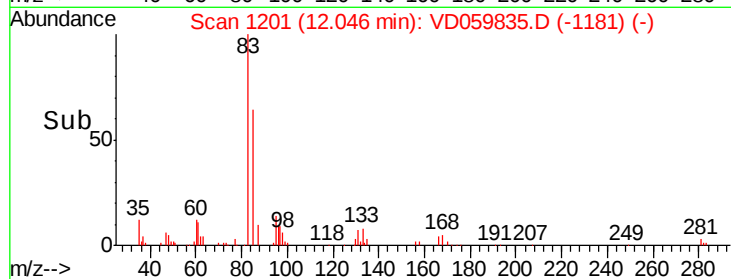
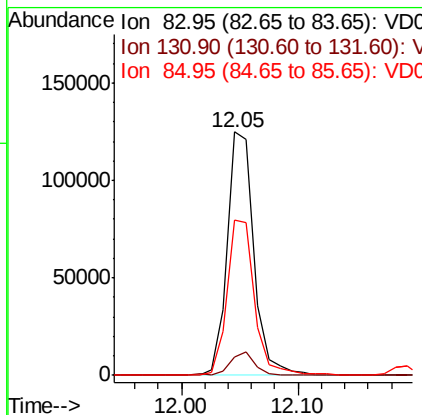
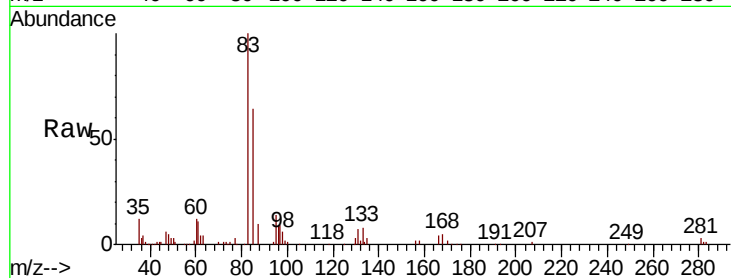
ClientSampleId :

VD0820SBS01

Tot Ion:	83	Resp:	197906
Ion Ratio	Lower	Upper	
83	100		
131	7.3	4.3	13.1
85	63.8	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 19.92 ug/l

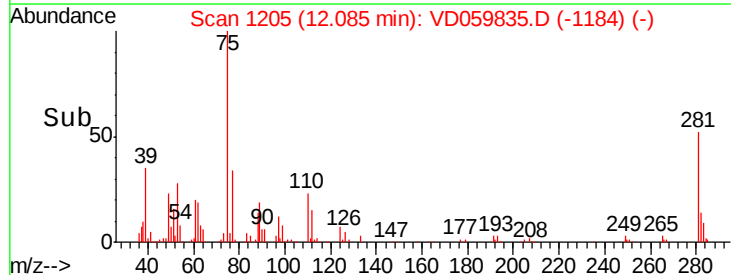
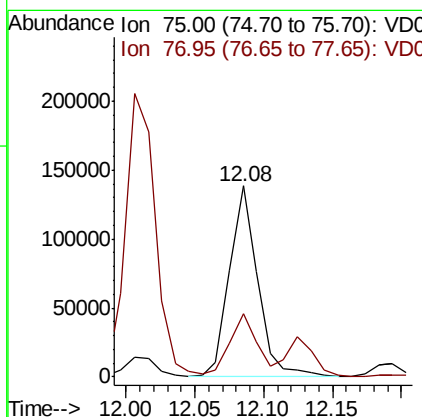
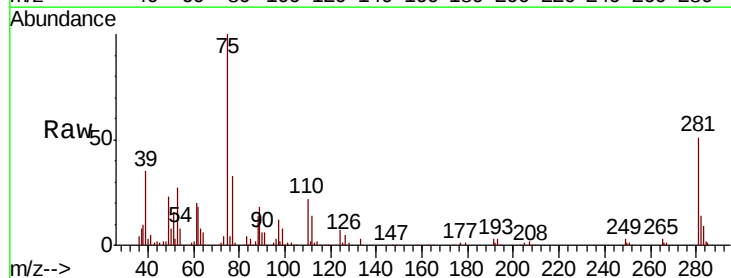
RT: 12.08 min Scan# 1205

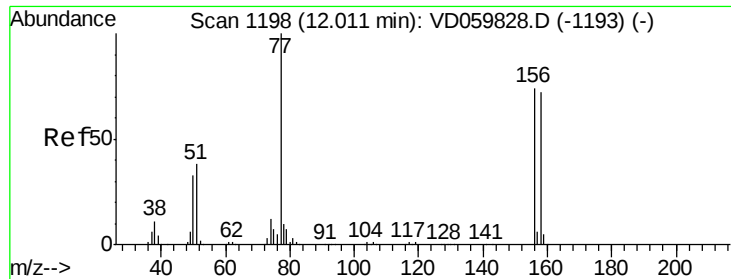
Delta R.T. 0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion:	75	Resp:	197178
Ion Ratio	Lower	Upper	
75	100		
77	32.8	16.0	47.9





#77

Bromobenzene

Concen: 20.76 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

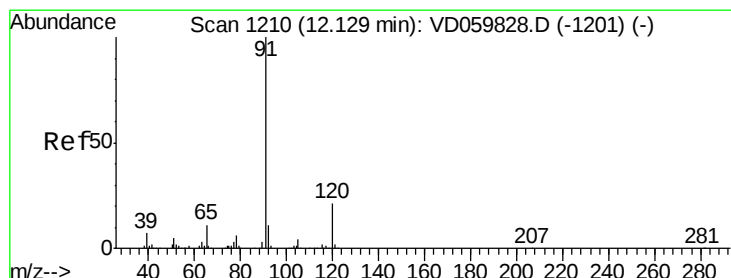
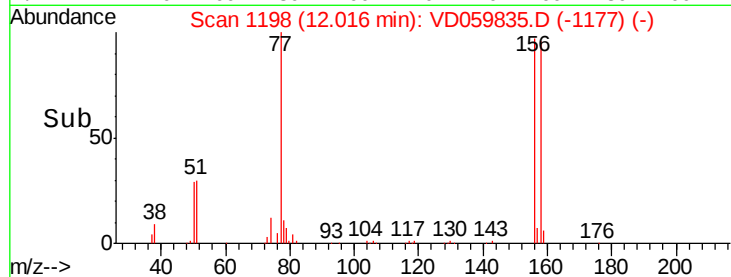
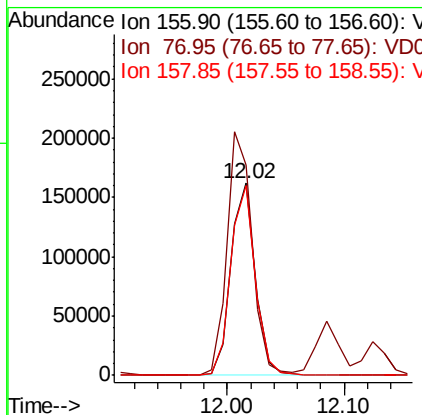
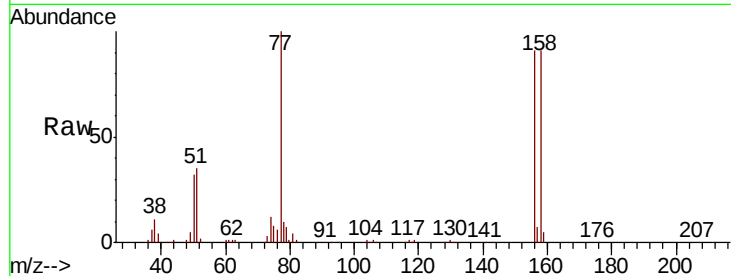
ClientSampleId :

VD0820SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		235311		
77	109.5	68.0	204.0		
158	99.2	48.9	146.8		

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#78

n-propylbenzene

Concen: 20.75 ug/l

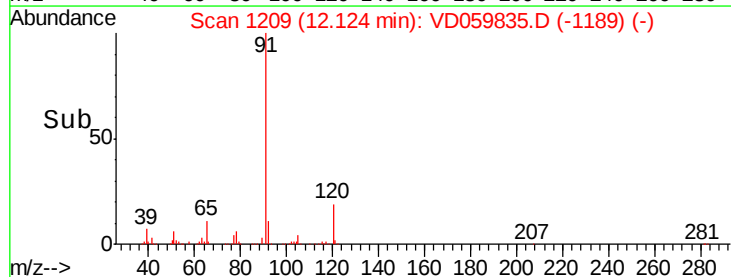
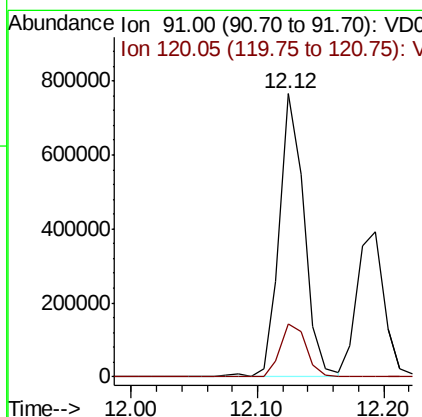
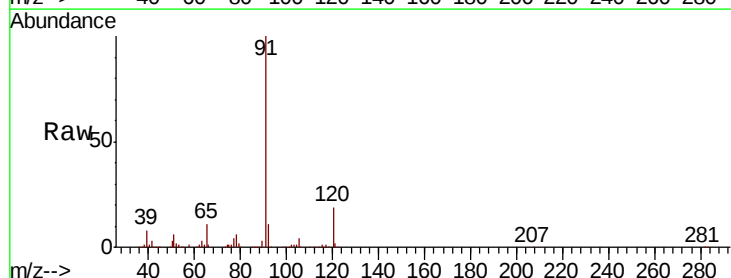
RT: 12.12 min Scan# 1209

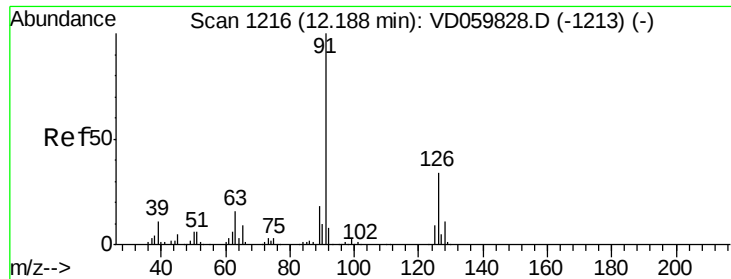
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1051115		
120	18.9	10.5	31.5		





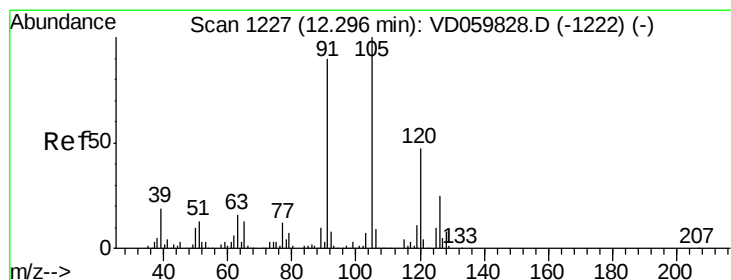
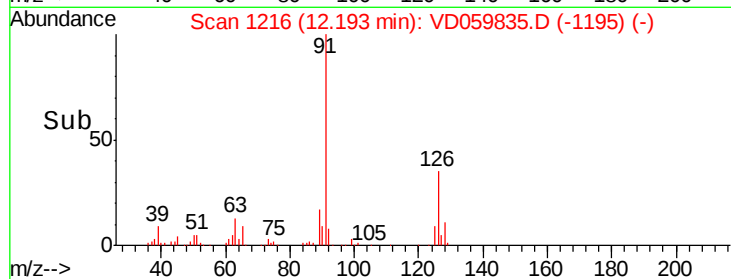
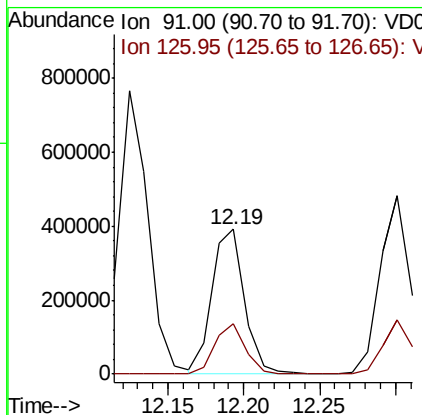
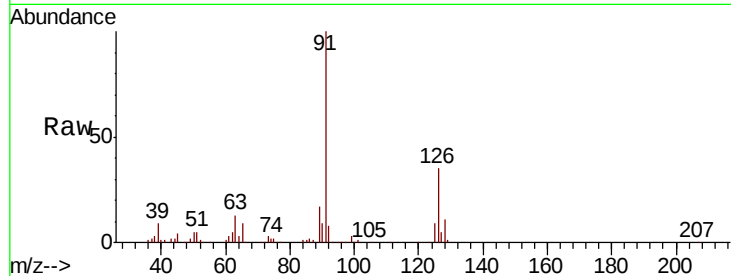
#79
 2-Chlorotoluene
 Concen: 19.97 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD01

Tot Ion: 91 Resp: 582335
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.6 49.8

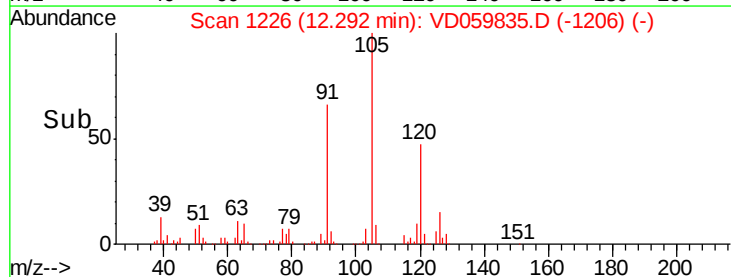
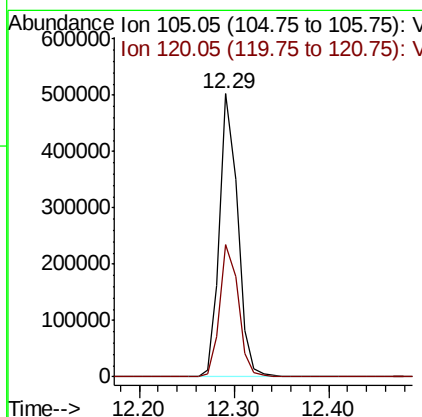
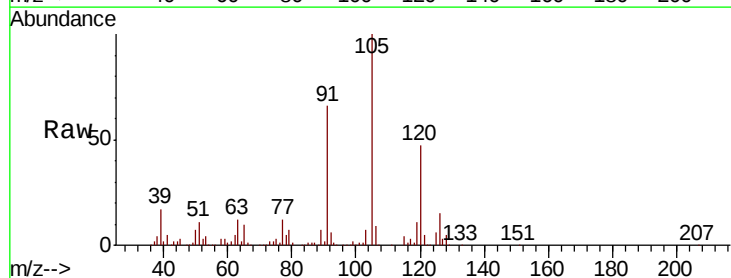
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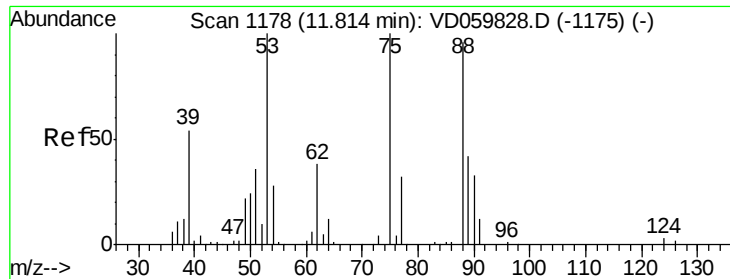
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.06 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion: 105 Resp: 670429
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.5 70.6





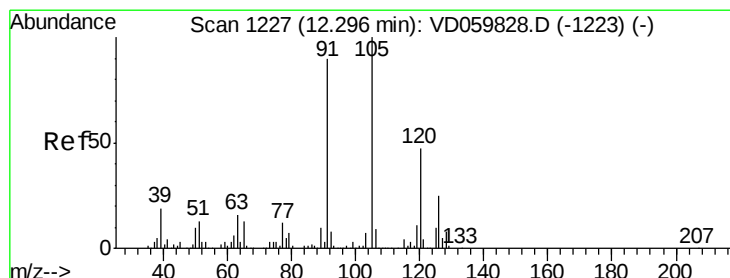
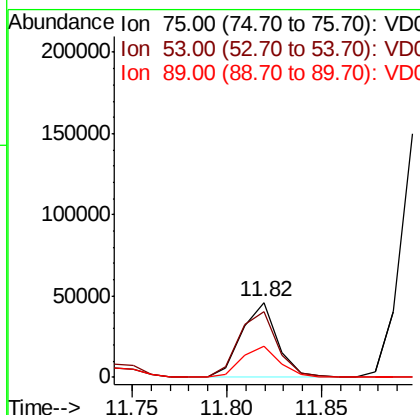
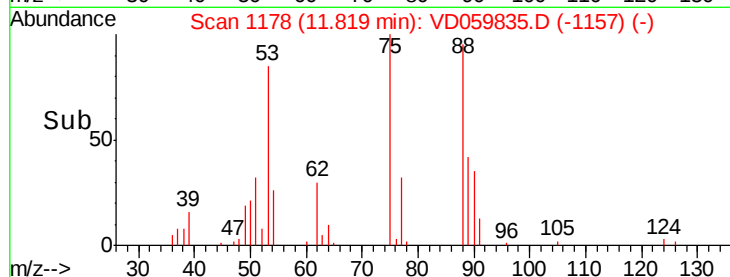
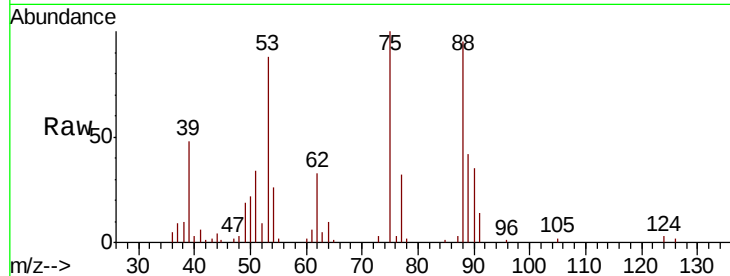
#81
trans-1,4-Dichloro-2-butene
Concen: 19.62 ug/l
RT: 11.82 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	80.7	121.1
89	41.9	33.9	50.9

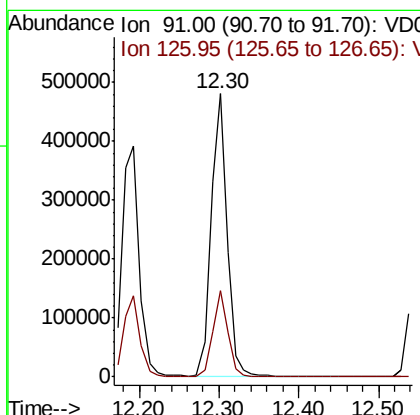
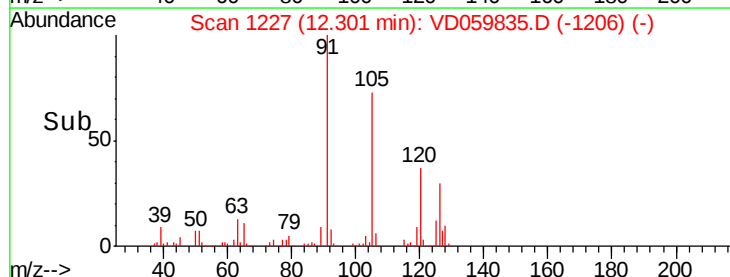
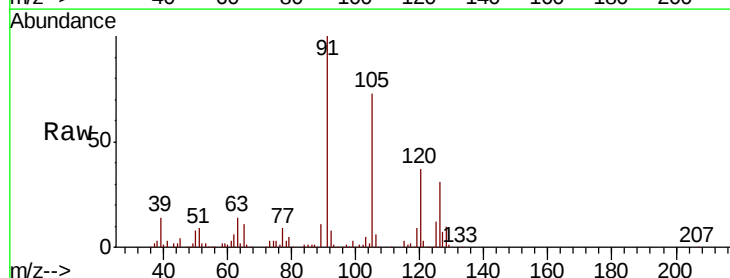
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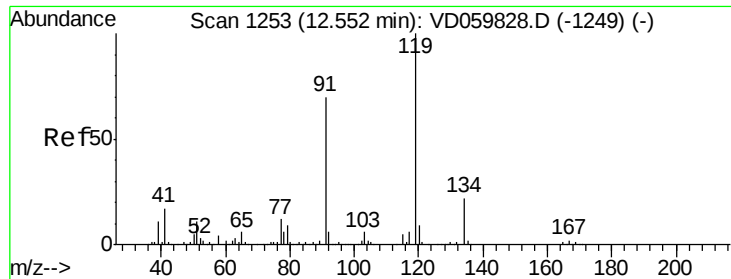
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#82
4-Chlorotoluene
Concen: 20.43 ug/l
RT: 12.30 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	13.7	41.0





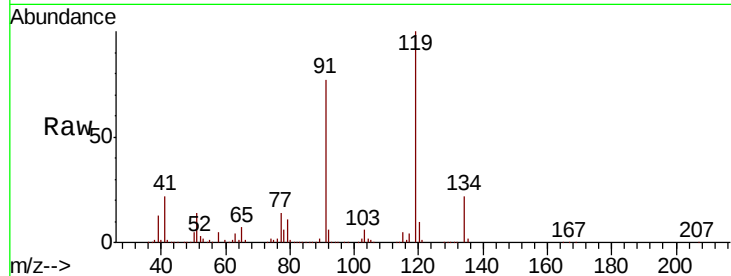
#83
tert-Butylbenzene
Concen: 21.25 ug/l m
RT: 12.55 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

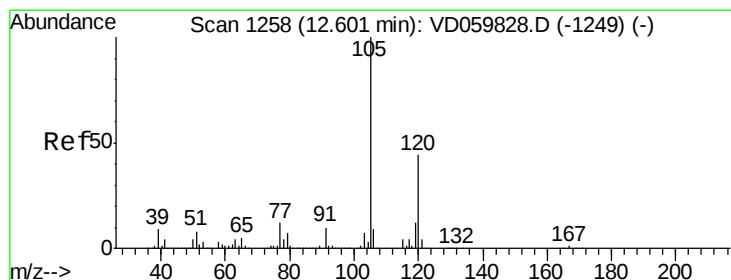
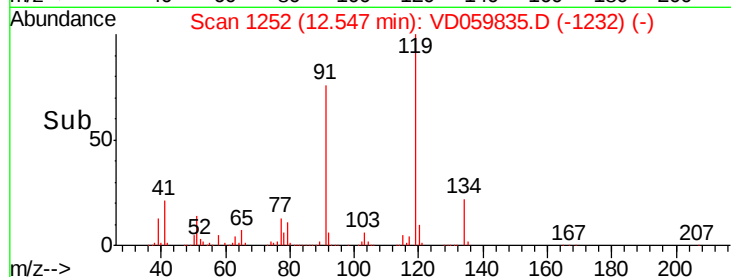
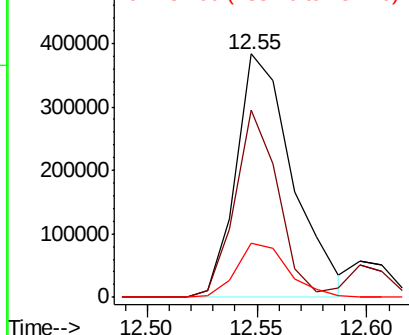
Tot Ion	Ratio	Lower	Upper
119	100		
91	77.2	35.1	105.3
134	22.0	11.0	33.0

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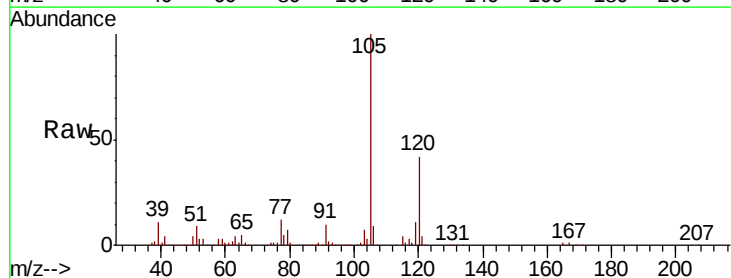


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

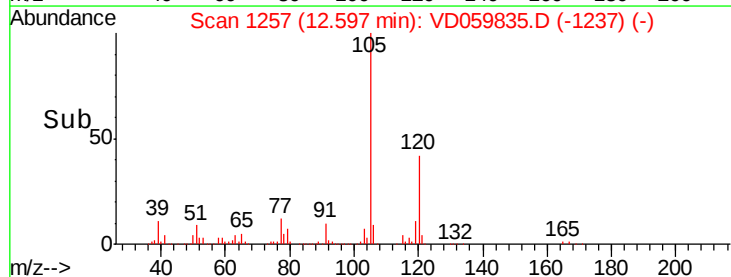
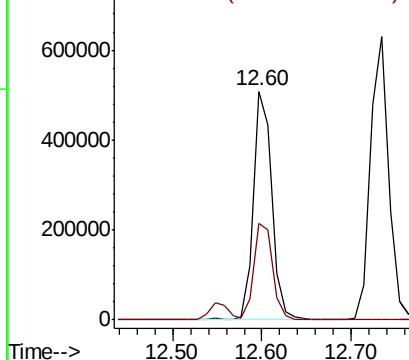


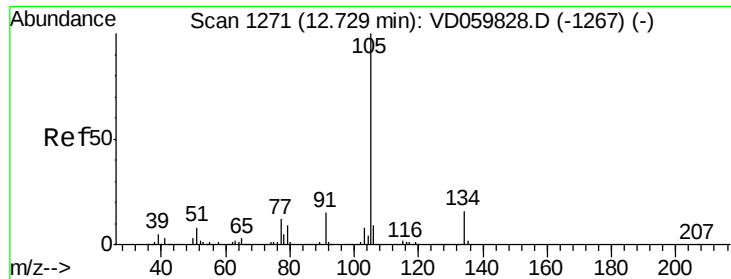
#84
1,2,4-Trimethylbenzene
Concen: 21.34 ug/l
RT: 12.60 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	22.0	66.0



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





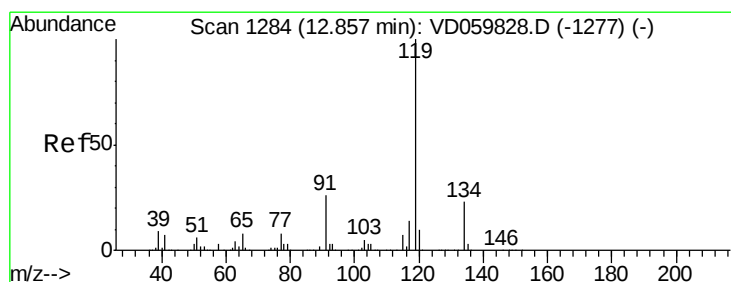
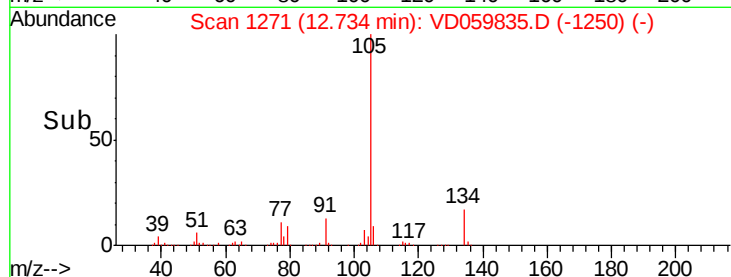
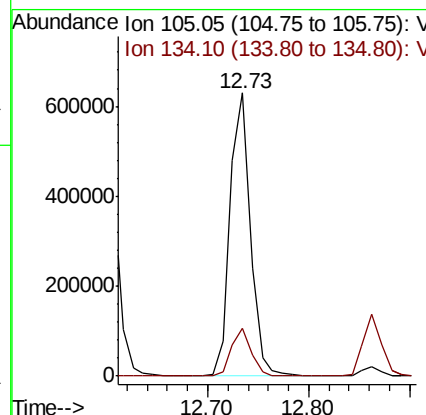
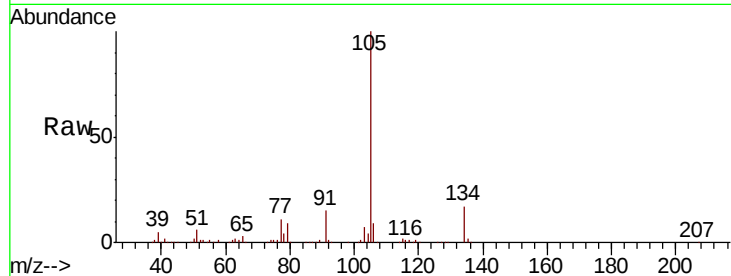
#85
 sec-Butylbenzene
 Concen: 20.61 ug/l
 RT: 12.73 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	879497		
134	17.0	7.8	23.5	

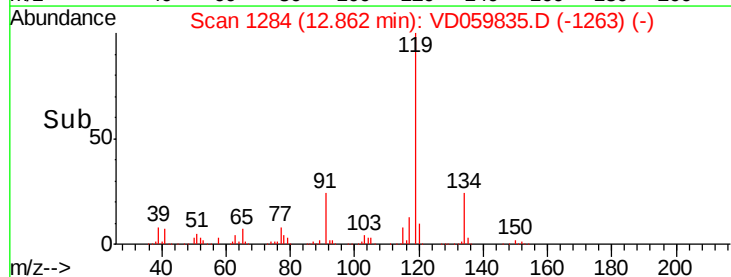
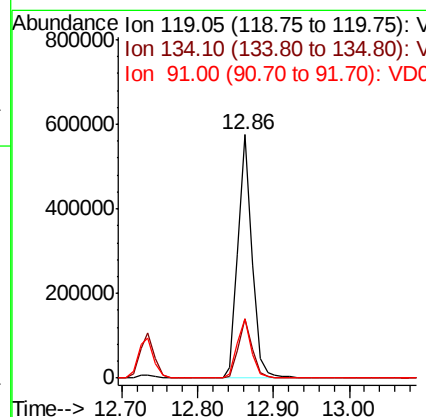
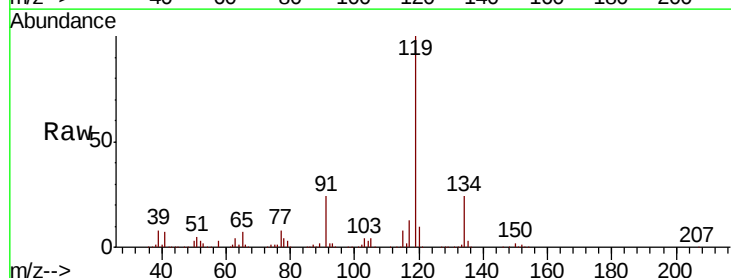
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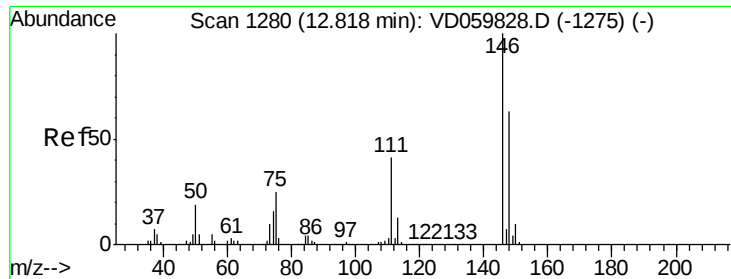
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#86
 p-Isopropyltoluene
 Concen: 21.90 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	732830		
134	24.2	11.5	34.5	
91	24.5	13.2	39.6	





#87

1,3-Dichlorobenzene

Concen: 22.09 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Instrument :

MSVOA_D

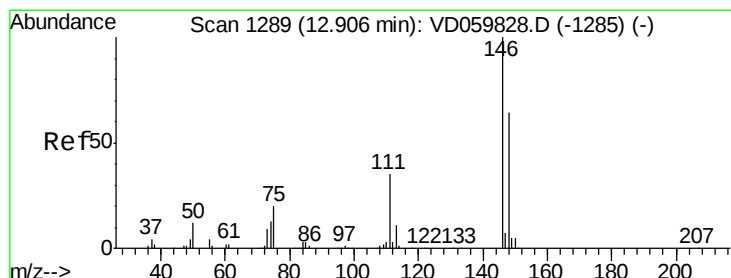
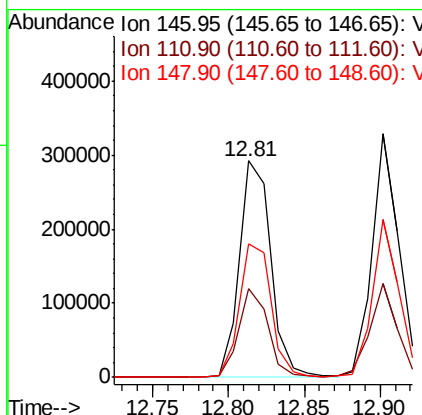
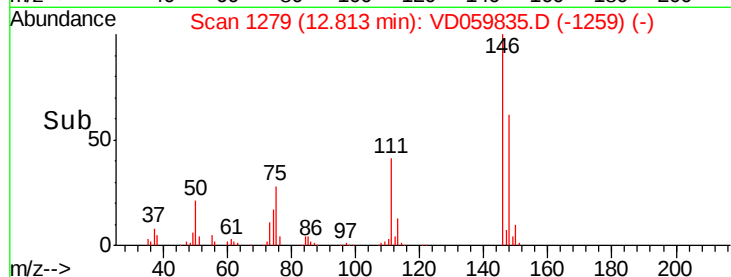
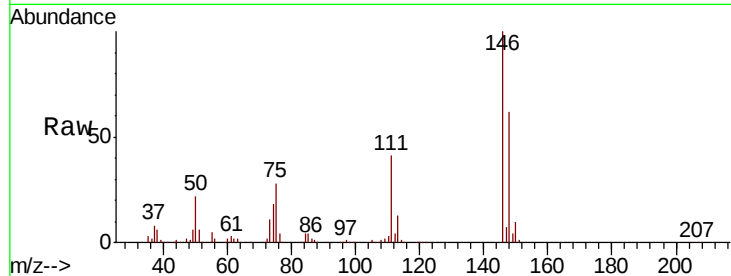
ClientSampleId :

VD0820SBS01

Tot Ion:	146	Resp:	421446
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.3	60.9
148	61.8	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 22.04 ug/l

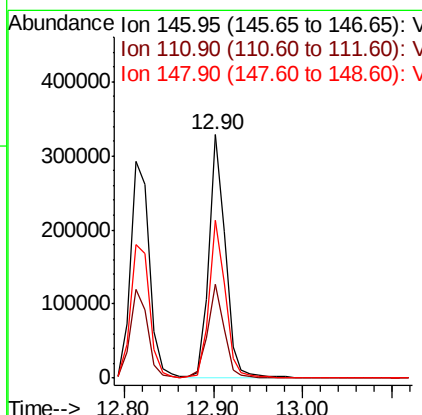
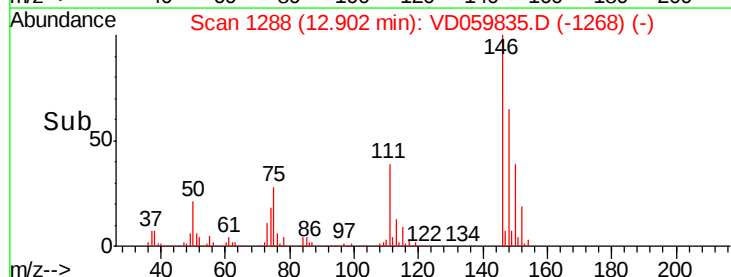
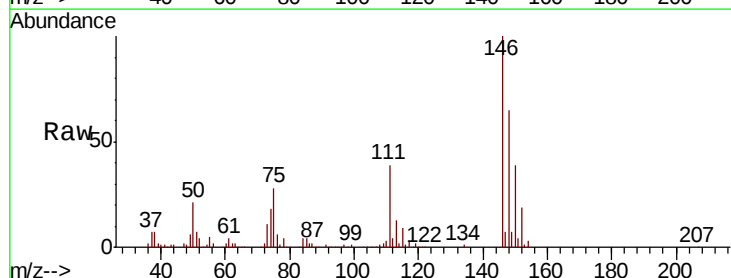
RT: 12.90 min Scan# 1288

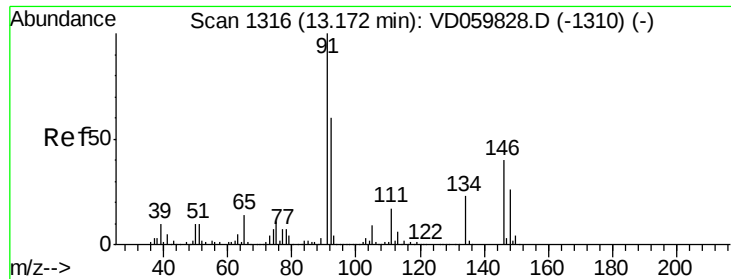
Delta R.T. -0.00 min

Lab File: VD059835.D

Acq: 20 Aug 2018 17:18

Tgt Ion:	146	Resp:	416840
Ion Ratio	Lower	Upper	
146	100		
111	38.6	17.8	53.3
148	65.1	31.9	95.9





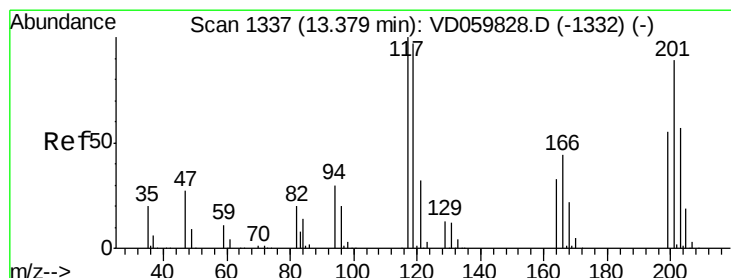
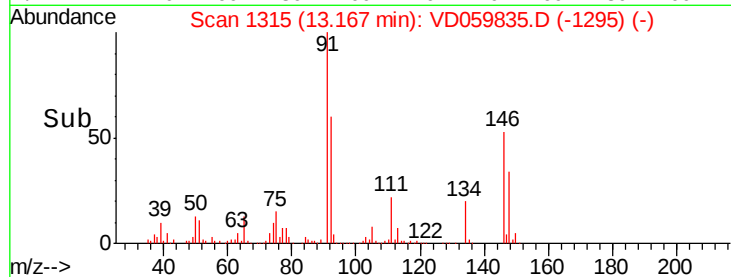
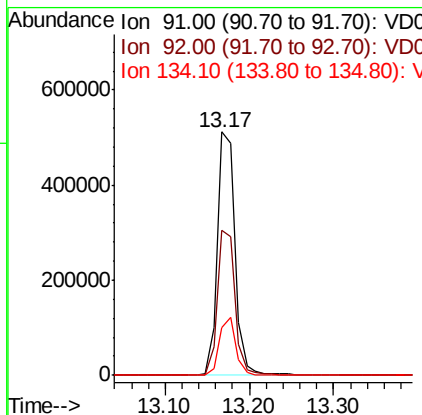
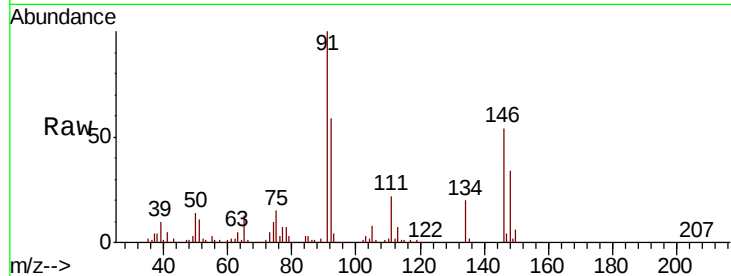
#89
n-Butylbenzene
Concen: 20.72 ug/l
RT: 13.17 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.5	29.8	89.5
134	19.7	11.5	34.4

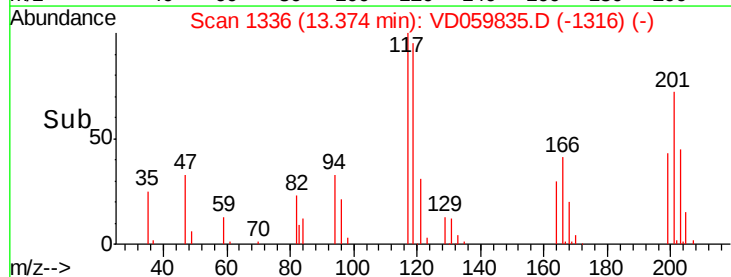
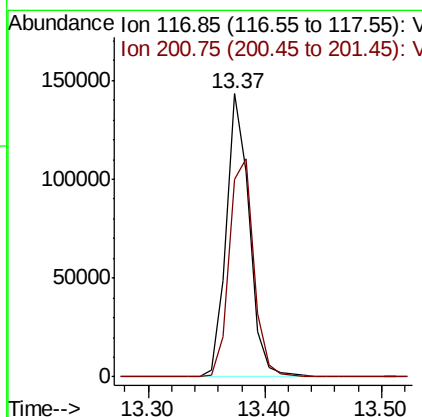
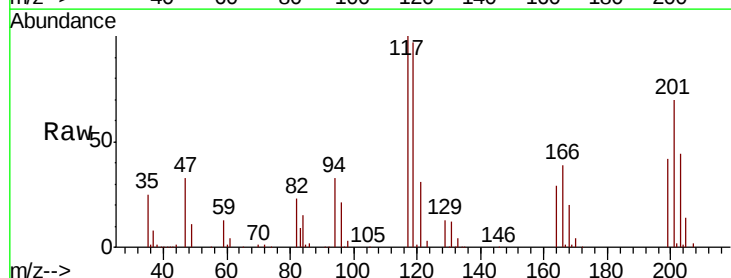
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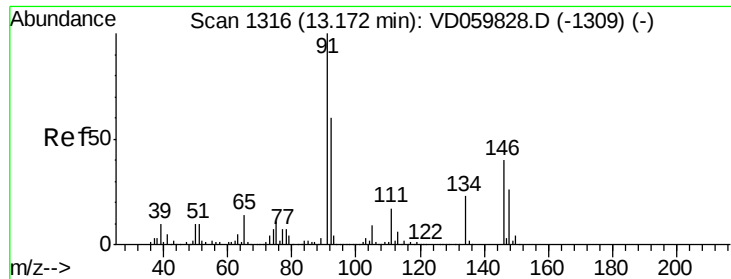
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#90
Hexachloroethane
Concen: 20.57 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	44.6	134.0





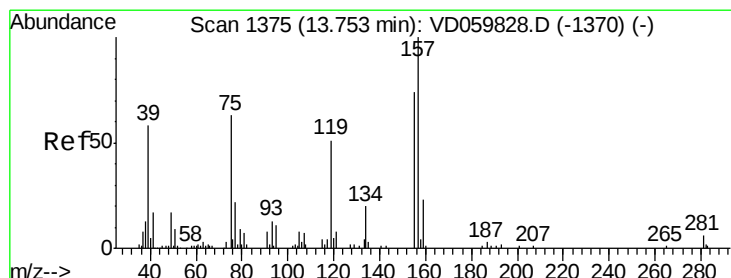
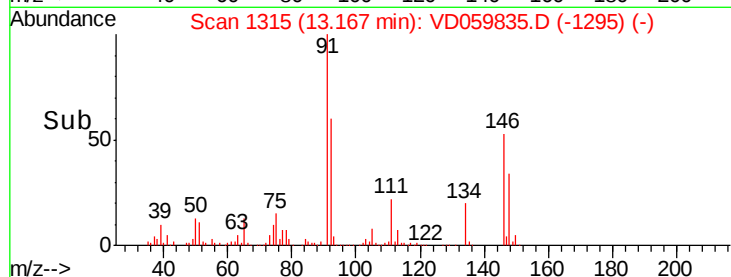
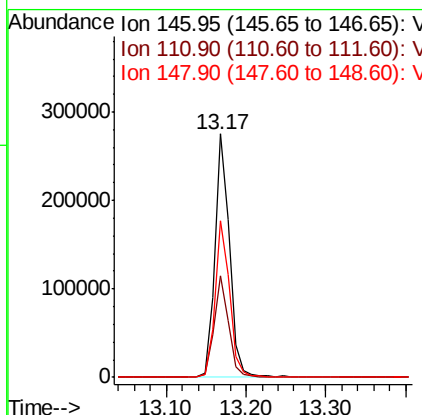
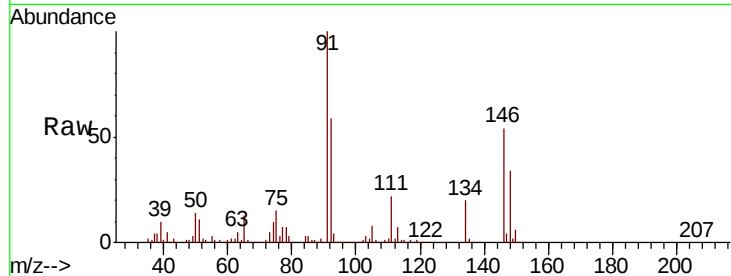
#91
 1,2-Dichlorobenzene
 Concen: 21.73 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	358395		
111	41.6	20.9	62.8	
148	64.1	31.6	94.8	

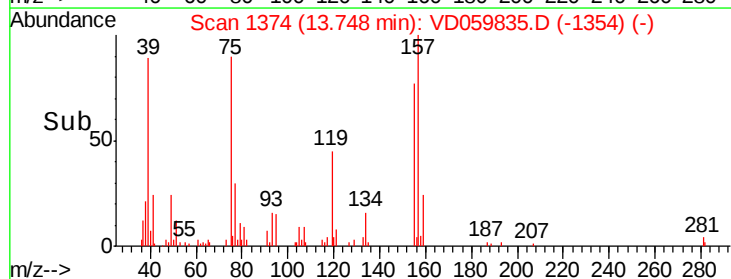
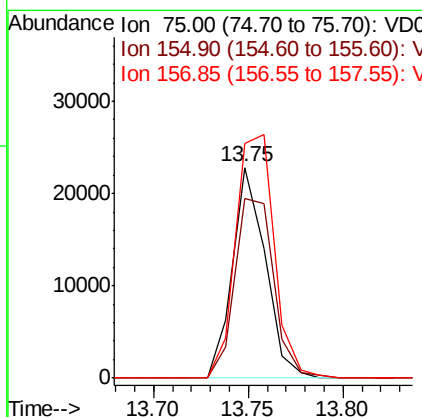
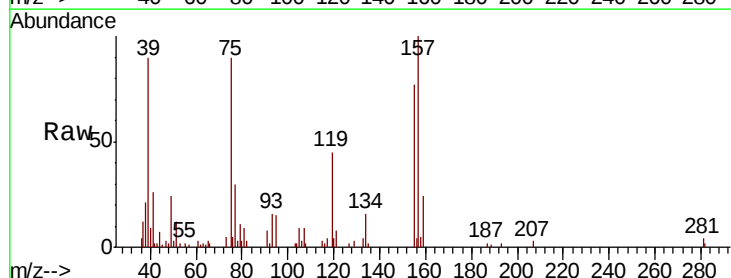
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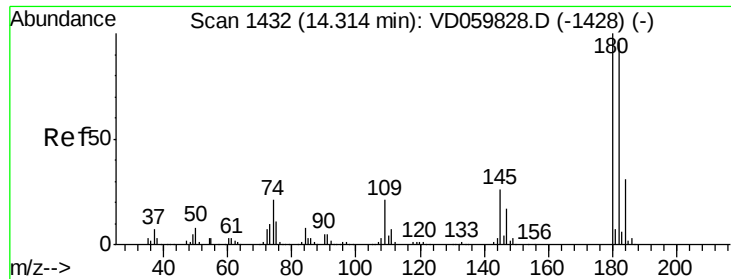
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.04 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27249		
155	85.2	59.1	177.3	
157	111.0	79.7	238.9	





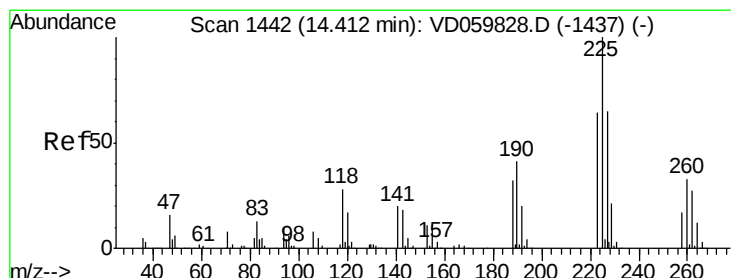
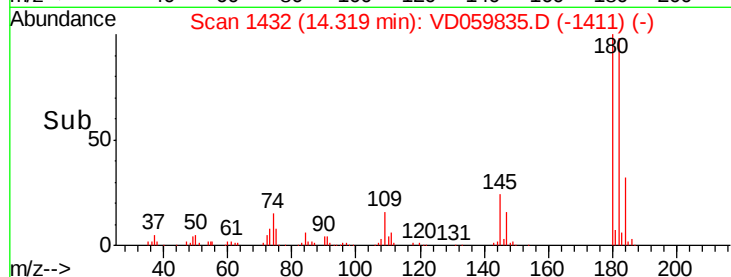
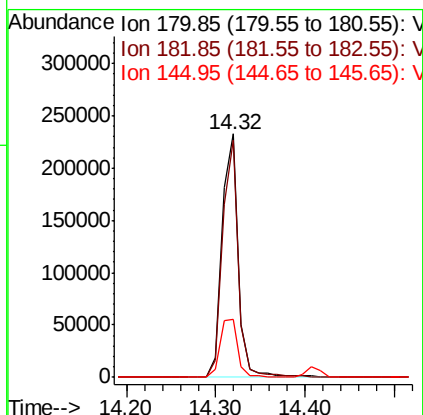
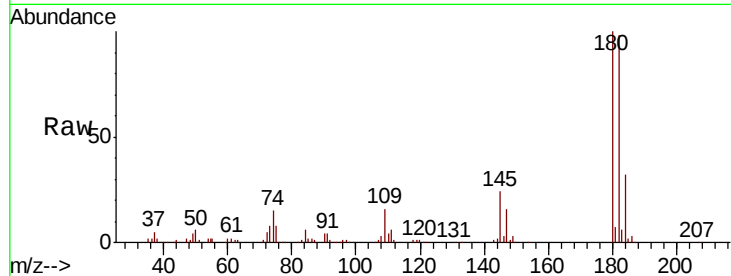
#93
 1,2,4-Trichlorobenzene
 Concen: 22.01 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	301507		
182	97.6	48.0	144.0	
145	23.9	13.1	39.1	

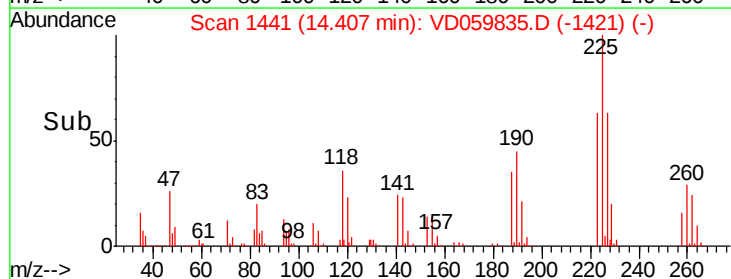
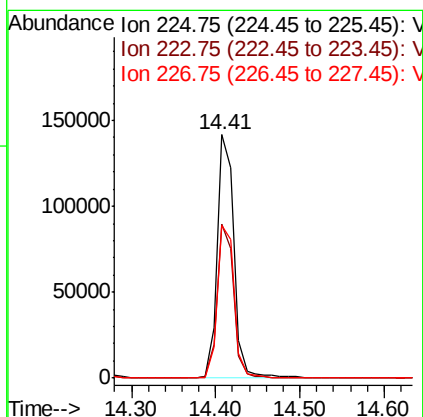
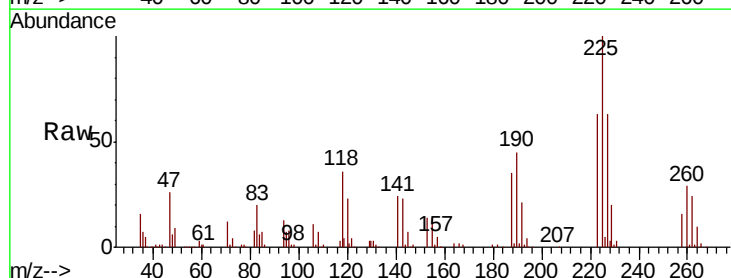
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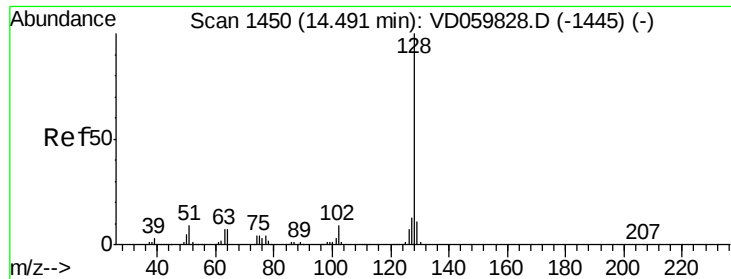
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#94
 Hexachlorobutadiene
 Concen: 21.04 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059835.D
 Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	193971		
223	63.0	31.8	95.4	
227	62.6	32.8	98.3	





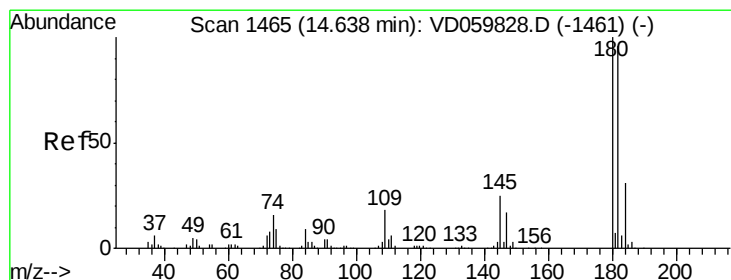
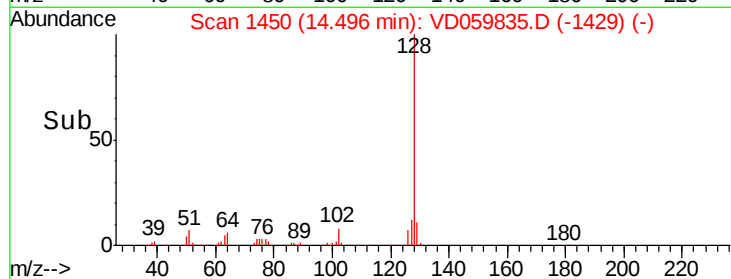
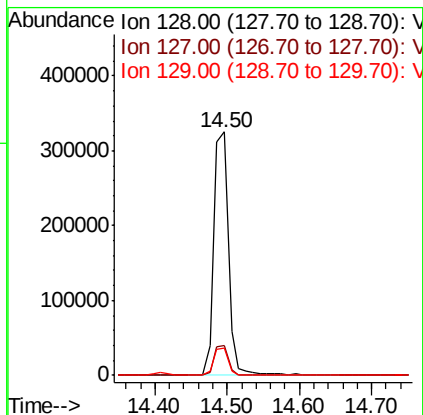
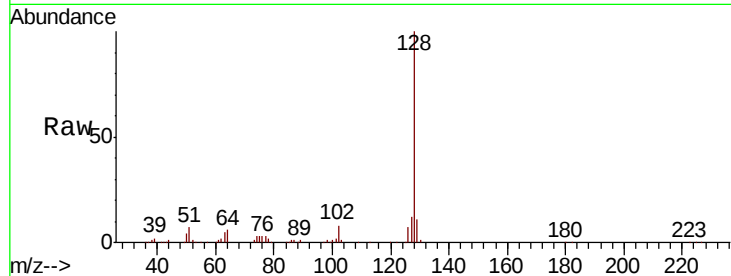
#95
Naphthalene
Concen: 20.36 ug/l
RT: 14.50 min Scan# 1450
Delta R.T. 0.01 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.2	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 22.06 ug/l
RT: 14.63 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059835.D
Acq: 20 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.4
145	30.1	12.7	38.0

