

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059851.D
 Acq On : 21 Aug 2018 13:04
 Operator : JC/SY
 Sample : VD0821SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

apatel
 8/22/2018 12:42:41 PM

Quant Time: Aug 22 01:22:28 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	5.60	168	1114975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1538163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1266007	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	613147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.97	65	439228	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	5.51	113	581794	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	8.67	98	1549225	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.90	95	603907	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.31	85	170626	17.77	ug/l	99
3) Chloromethane	1.46	50	137848	16.94	ug/l	97
4) Vinyl Chloride	1.53	62	112171	17.20	ug/l	97
5) Bromomethane	1.76	94	10777	12.58	ug/l	97
6) Chloroethane	1.85	64	25649	17.39	ug/l	93
7) Trichlorofluoromethane	2.05	101	120439	18.35	ug/l	99
8) Diethyl Ether	2.31	74	28019	19.10	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.52	101	87923	21.06	ug/l	98
10) Methyl Iodide	2.65	142	78433	16.79	ug/l	90
11) Tert butyl alcohol	3.23	59	28081	85.13	ug/l	98
12) 1,1-Dichloroethene	2.52	96	64858	19.00	ug/l	80
13) Acrolein	2.44	56	24154	72.26	ug/l	98
14) Allyl chloride	2.89	41	152511	17.47	ug/l	98
15) Acrylonitrile	3.33	53	142388	93.26	ug/l	99
16) Acetone	2.57	43	132804	88.79	ug/l	97
17) Carbon Disulfide	2.72	76	173438	15.24	ug/l	99
18) Methyl Acetate	2.90	43	53836	16.36	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	364231	18.88	ug/l	98
20) Methylene Chloride	3.03	84	78816	15.03	ug/l	94
21) trans-1,2-Dichloroethene	3.34	96	165327	17.17	ug/l	98
22) Diisopropyl ether	4.02	45	847586	19.01	ug/l	99
23) Vinyl Acetate	3.97	43	2374458	99.13	ug/l	100
24) 1,1-Dichloroethane	3.92	63	368181	18.78	ug/l	100
25) 2-Butanone	4.79	43	396037	87.60	ug/l	96
26) 2,2-Dichloropropane	4.75	77	301556	19.60	ug/l	97
27) cis-1,2-Dichloroethene	4.76	96	231005	19.79	ug/l	93
28) Bromochloromethane	5.09	49	183120	18.43	ug/l	95
29) Tetrahydrofuran	5.14	42	221346	96.70	ug/l	98
30) Chloroform	5.28	83	378638	19.57	ug/l	99
31) Cyclohexane	5.55	56	296710	15.82	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	309634	18.99	ug/l	98
36) 1,1-Dichloropropene	5.70	75	261853	20.07	ug/l	98
37) Ethyl Acetate	4.88	43	195503	20.22	ug/l	98
38) Carbon Tetrachloride	5.67	117	262091	20.13	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	267260	19.15	ug/l	97
40) Benzene	5.97	78	695949	20.59	ug/l	100
41) Methacrylonitrile	5.08	41	94506	19.08	ug/l	98
42) 1,2-Dichloroethane	6.09	62	216414	19.66	ug/l	99
43) Isopropyl Acetate	7.57	43	252023	18.84	ug/l	100
44) Trichloroethene	6.94	130	206322	20.53	ug/l	93
45) 1,2-Dichloropropane	7.31	63	194933	19.64	ug/l	96
46) Dibromomethane	7.43	93	127783	20.68	ug/l	95
47) Bromodichloromethane	7.70	83	281558	20.64	ug/l	98
48) Methyl methacrylate	7.47	41	149225	20.23	ug/l	98
49) 1,4-Dioxane	7.45	88	27406	439.01	ug/l	96
51) 4-Methyl-2-Pentanone	8.56	43	832615	93.11	ug/l	96
52) Toluene	8.76	92	438100	20.50	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	250330	20.14	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	295166	19.83	ug/l	99
55) 1,1,2-Trichloroethane	9.41	97	160204	20.77	ug/l	95
56) Ethyl methacrylate	9.28	69	178849	20.10	ug/l	96
57) 1,3-Dichloropropane	9.63	76	235721	20.90	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	481165	92.81	ug/l	97
59) 2-Hexanone	9.75	43	619056	93.66	ug/l	100
60) Dibromochloromethane	9.93	129	202097	20.34	ug/l	98
61) 1,2-Dibromoethane	10.05	107	159726	19.38	ug/l	97
64) Tetrachloroethene	9.47	164	187884	20.27	ug/l	97
65) Chlorobenzene	10.69	112	503520	20.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	181488	21.78	ug/l	98
67) Ethyl Benzene	10.83	91	855292	19.54	ug/l	98
68) m/p-Xylenes	10.99	106	602622	37.48	ug/l	97
69) o-Xylene	11.38	106	304512	21.52	ug/l	99
70) Styrene	11.41	104	527920	21.43	ug/l	96
71) Bromoform	11.58	173	144957	19.36	ug/l	99
73) Isopropylbenzene	11.75	105	829383	19.85	ug/l	98
74) N-amyl acetate	11.62	43	350412	18.73	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	190223	19.31	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	187213	18.46	ug/l	97
77) Bromobenzene	12.02	156	240564	20.71	ug/l	85
78) n-propylbenzene	12.13	91	1099765	21.19	ug/l	96
79) 2-Chlorotoluene	12.19	91	573286	19.19	ug/l	96
80) 1,3,5-Trimethylbenzene	12.30	105	659000	19.16	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	57558	18.15	ug/l	88
82) 4-Chlorotoluene	12.31	91	658847	19.38	ug/l	89
83) tert-Butylbenzene	12.55	119	677275m	20.55	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	678403	19.73	ug/l	99
85) sec-Butylbenzene	12.74	105	877384	20.07	ug/l	96
86) p-Isopropyltoluene	12.87	119	687679	20.05	ug/l	97
87) 1,3-Dichlorobenzene	12.82	146	412240	21.08	ug/l	99
88) 1,4-Dichlorobenzene	12.91	146	408620	21.08	ug/l	100
89) n-Butylbenzene	13.17	91	705383	18.77	ug/l	98
90) Hexachloroethane	13.38	117	186799	19.09	ug/l	89
91) 1,2-Dichlorobenzene	13.17	146	345816	20.24	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.75	75	24990	17.05	ug/l	84

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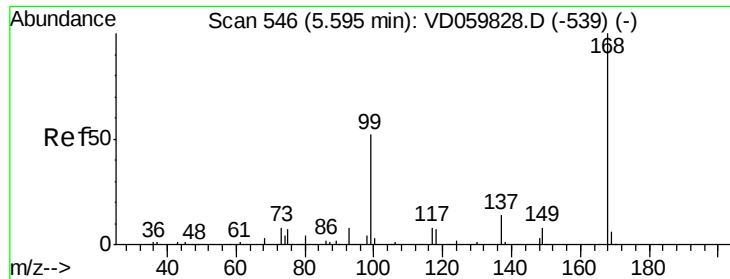
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	292525	20.84	ug/l	98
94) Hexachlorobutadiene	14.41	225	198374	21.01	ug/l	95
95) Naphthalene	14.49	128	442340	19.29	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	251765	20.46	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:168 Resp: 1114975

Ion Ratio Lower Upper

168 100

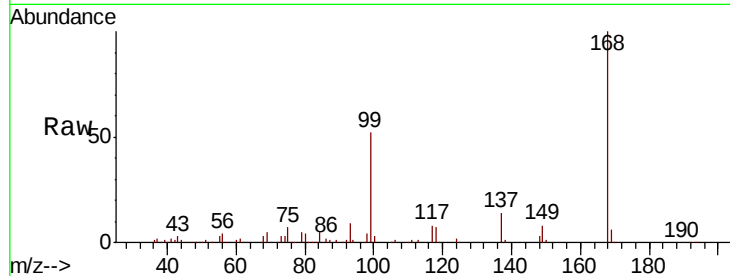
99 52.1 43.6 65.4

Manual Integrations

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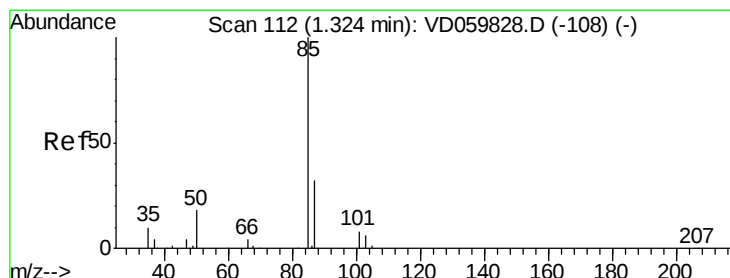
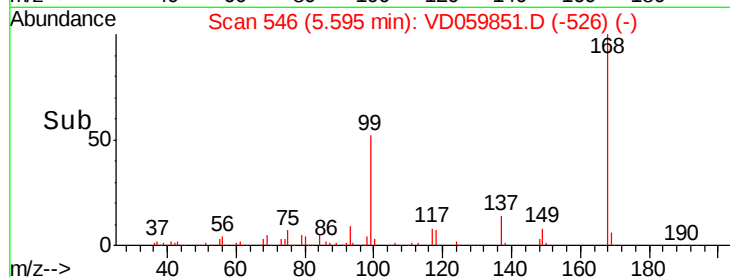
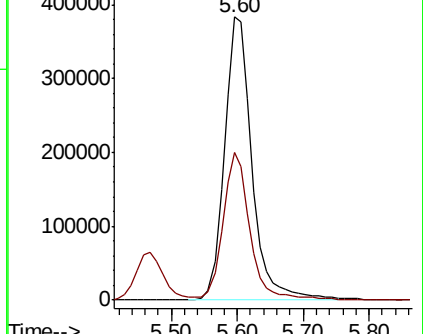
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.77 ug/l

RT: 1.31 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD059851.D

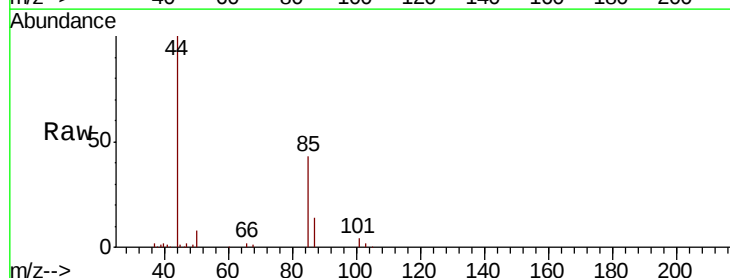
Acq: 21 Aug 2018 13:04

Tgt Ion: 85 Resp: 170626

Ion Ratio Lower Upper

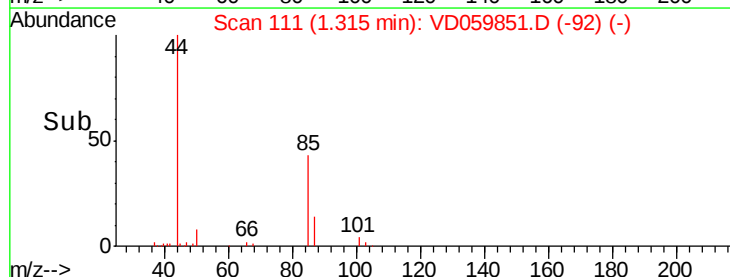
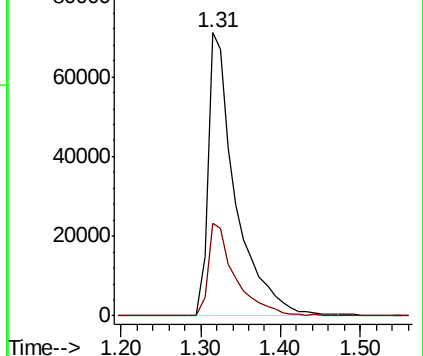
85 100

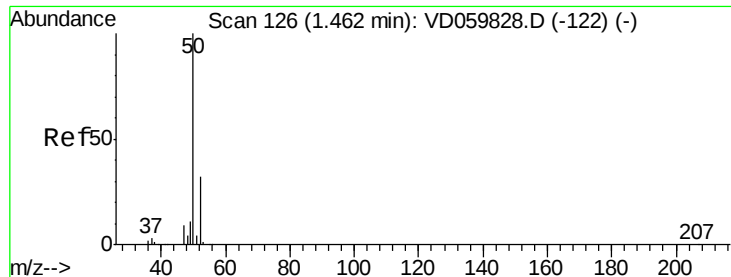
87 32.9 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.94 ug/l

RT: 1.46 min Scan# 126

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 50 Resp: 137848

Ion Ratio Lower Upper

50 100

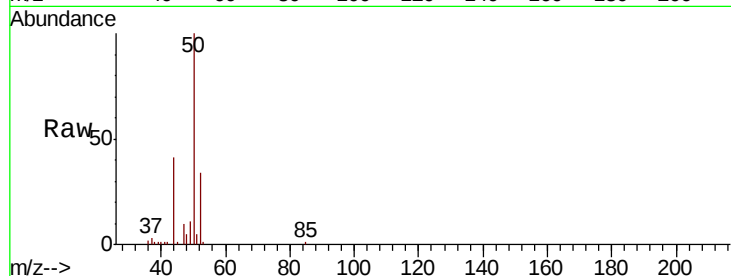
52 33.6 25.4 38.2

Manual Integrations

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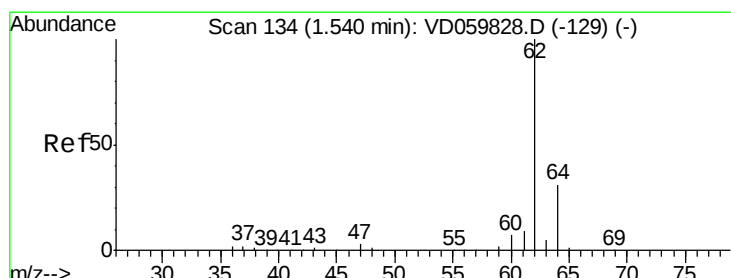
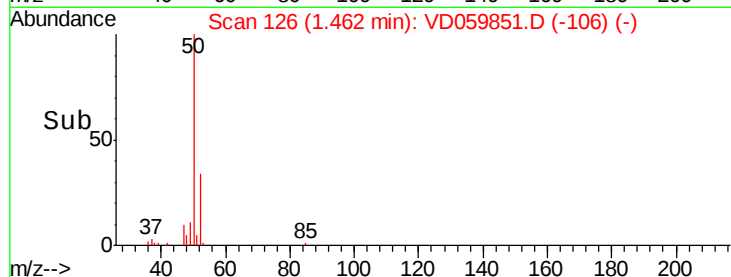
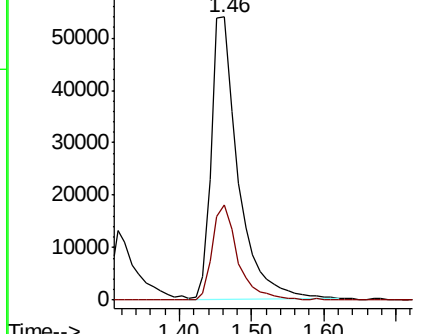
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.20 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059851.D

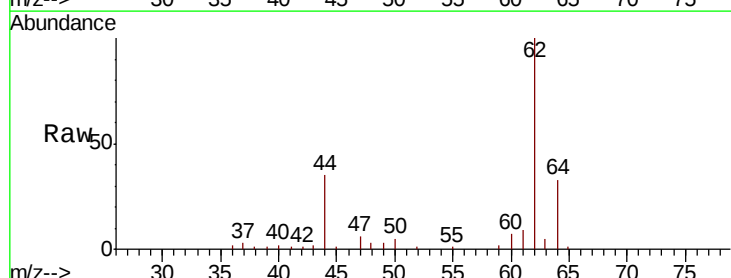
Acq: 21 Aug 2018 13:04

Tgt Ion: 62 Resp: 112171

Ion Ratio Lower Upper

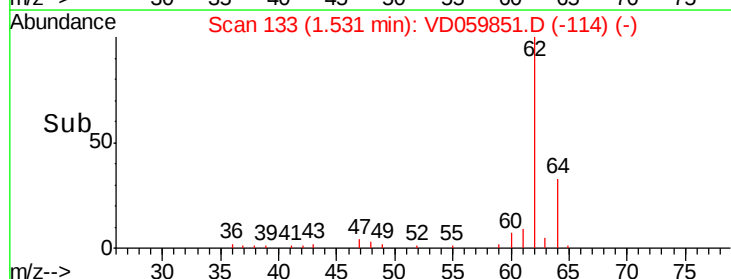
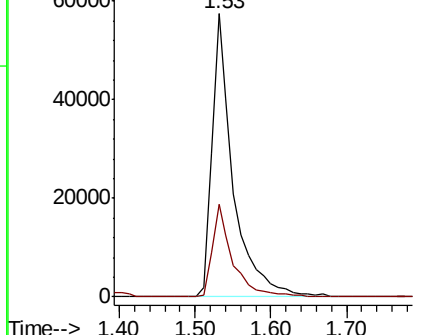
62 100

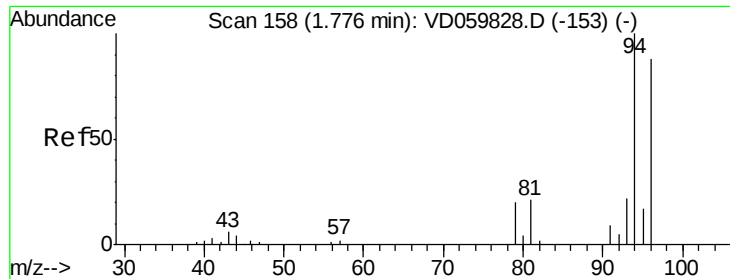
64 32.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 12.58 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.02 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 94 Resp: 10777

Ion Ratio Lower Upper

94 100

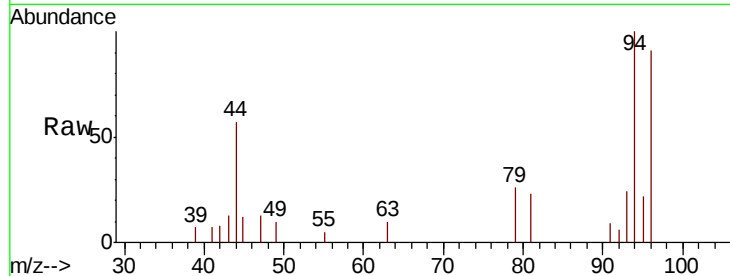
96 91.2 70.8 106.2

Manual Integrations

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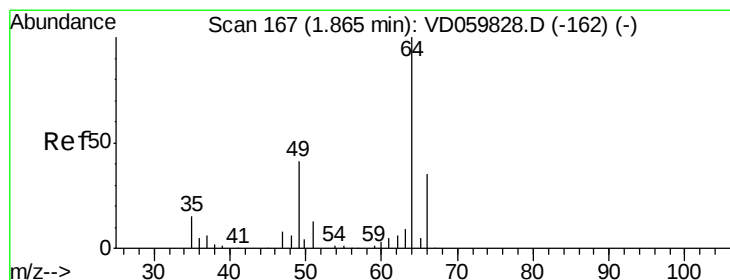
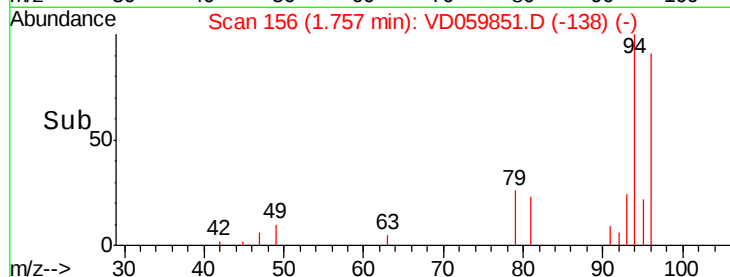
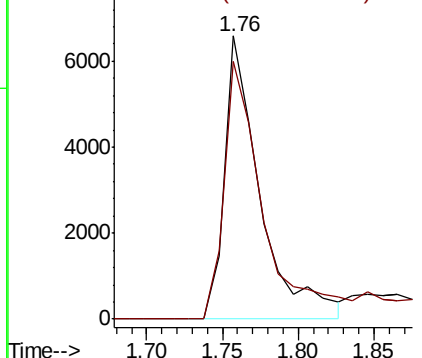
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.39 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD059851.D

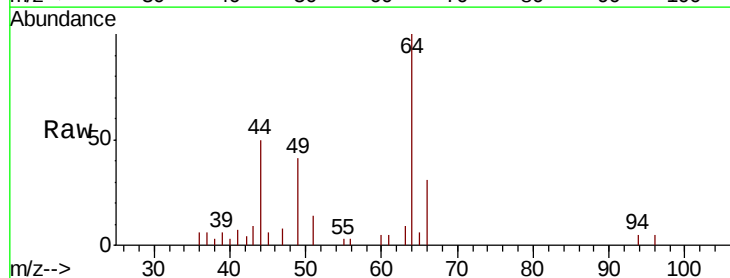
Acq: 21 Aug 2018 13:04

Tgt Ion: 64 Resp: 25649

Ion Ratio Lower Upper

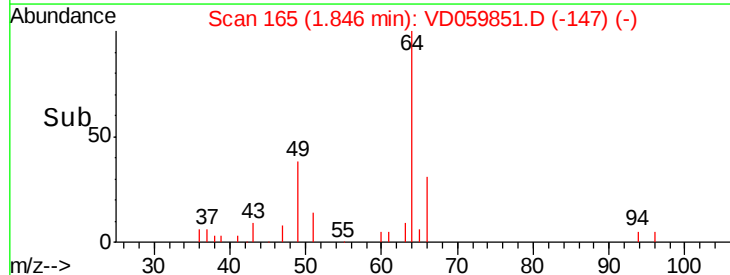
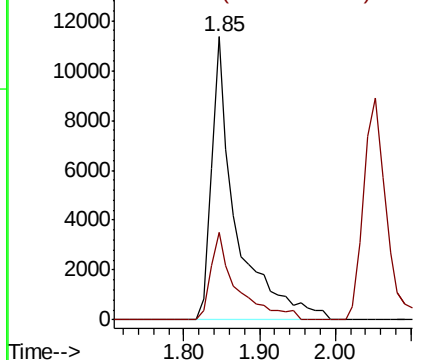
64 100

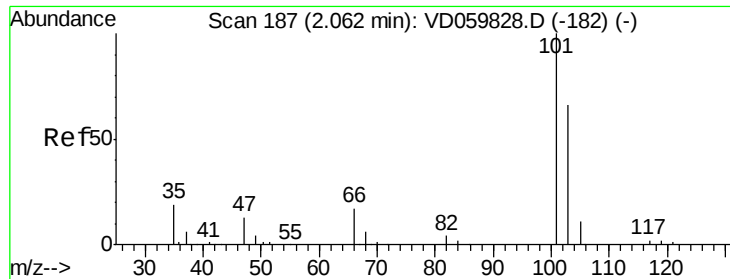
66 30.9 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

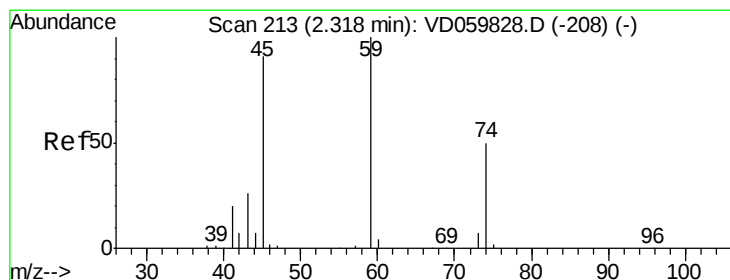
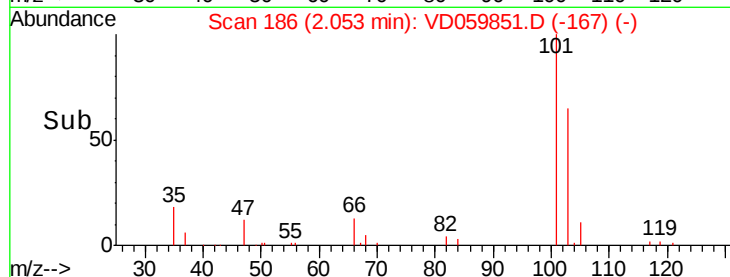
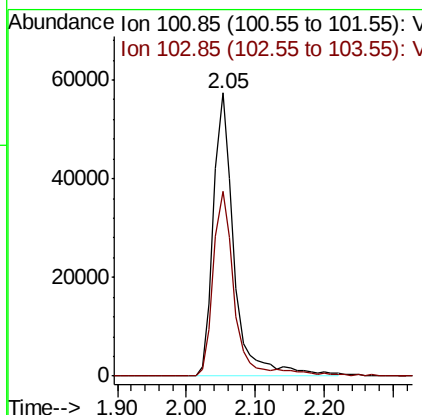
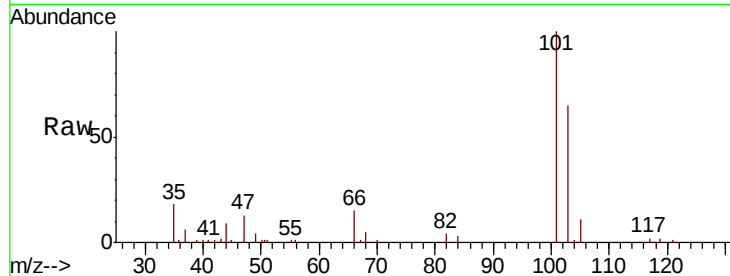
Trichlorofluoromethane
Concen: 18.35 ug/l
RT: 2.05 min Scan# 186
Delta R.T. -0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

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Tot Ion:101 Resp: 120439
Ion Ratio Lower Upper
101 100
103 65.1 53.0 79.4

Manual Integrations
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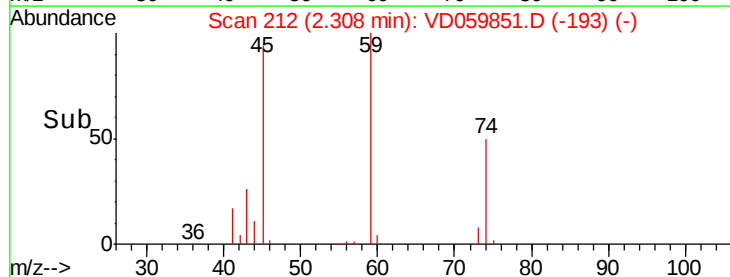
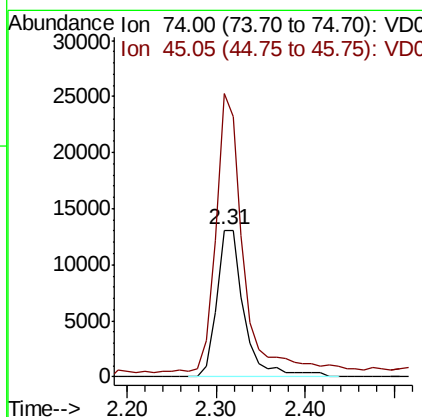
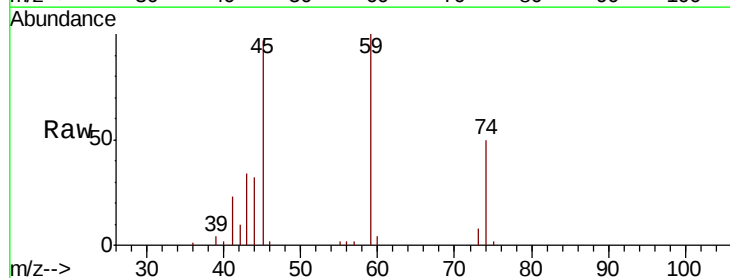
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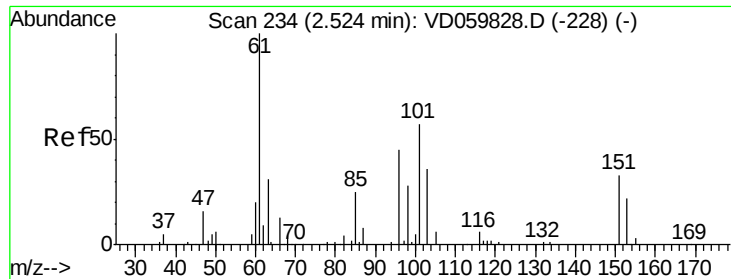


#8

Diethyl Ether
Concen: 19.10 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion: 74 Resp: 28019
Ion Ratio Lower Upper
74 100
45 192.6 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.06 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

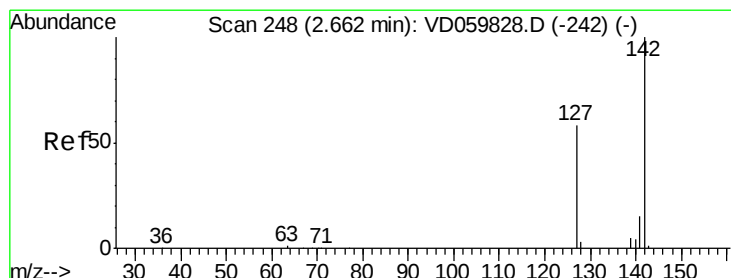
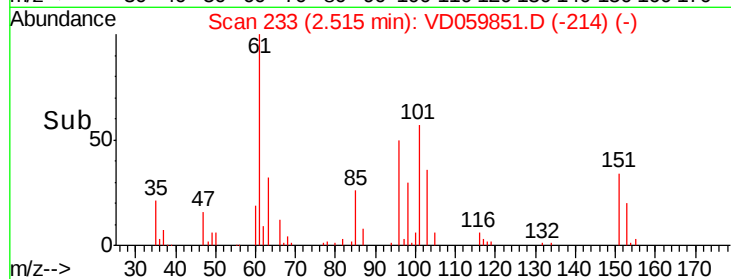
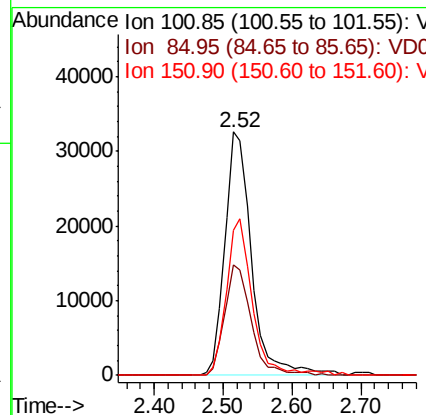
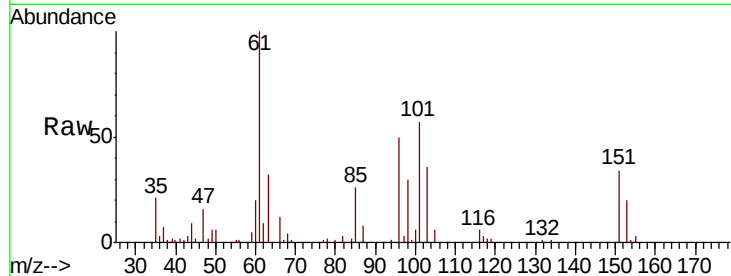
ClientSampleId :

VD0821SBS01

Tot Ion:	101	Resp:	87923
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.7	53.5
151	59.5	45.8	68.6

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#10

Methyl Iodide

Concen: 16.79 ug/l

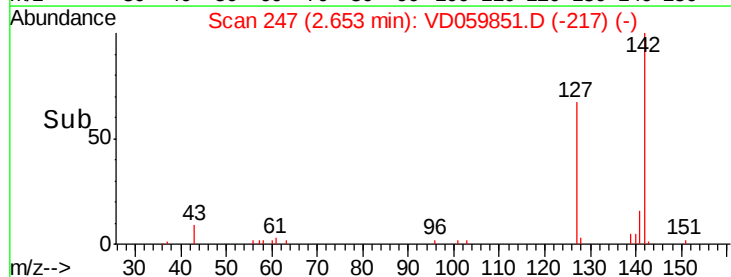
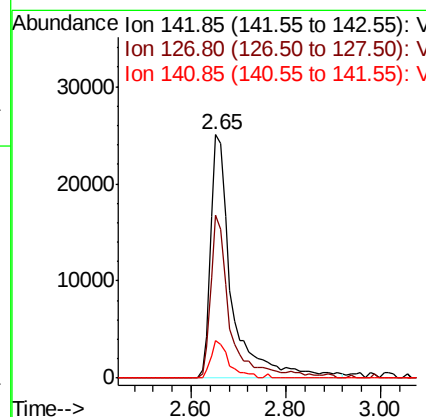
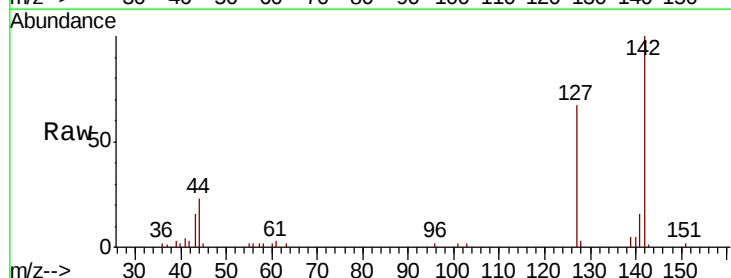
RT: 2.65 min Scan# 247

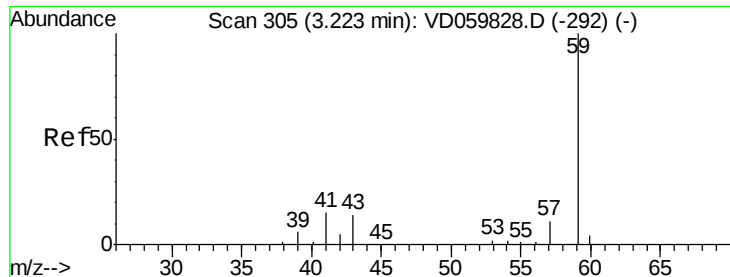
Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion:	142	Resp:	78433
Ion Ratio	Lower	Upper	
142	100		
127	67.0	46.6	69.8
141	15.7	11.7	17.5





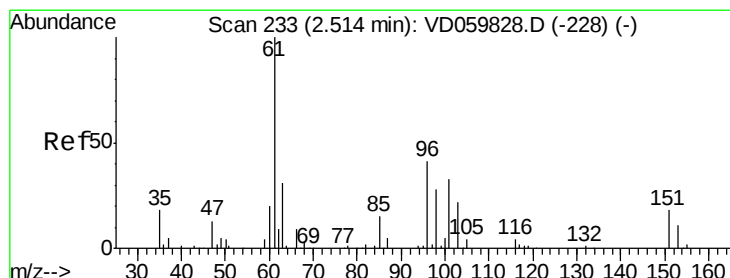
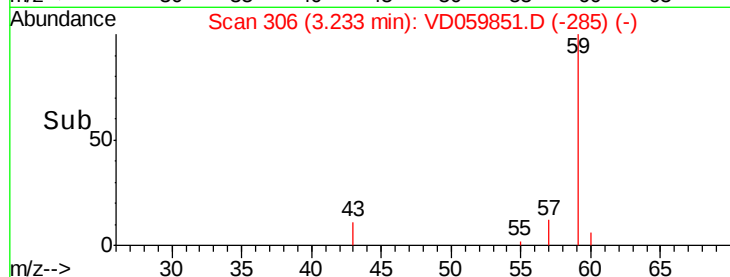
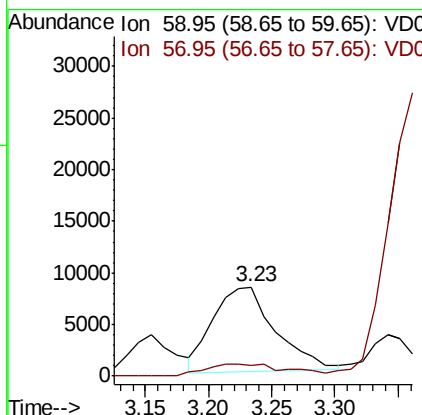
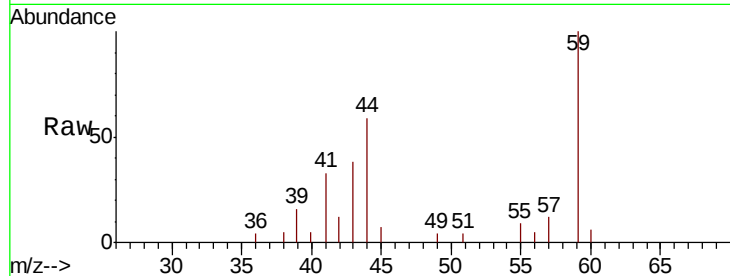
#11
Tert butyl alcohol
Concen: 85.13 ug/l
RT: 3.23 min Scan# 306
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion: 59 Resp: 28081
Ion Ratio Lower Upper
59 100
57 12.1 10.3 15.5

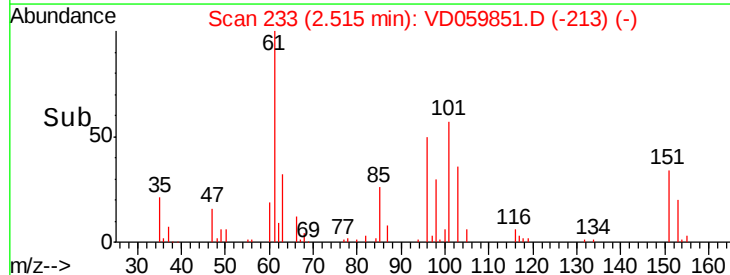
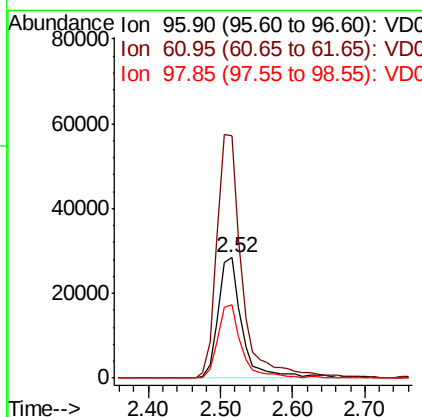
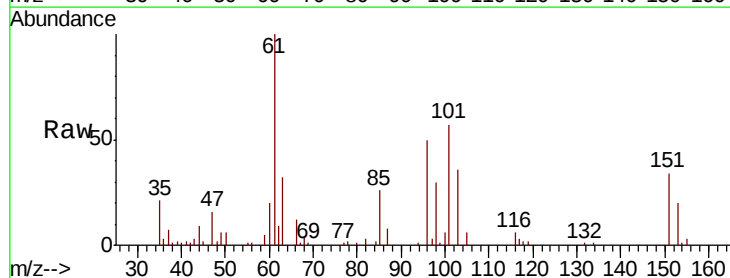
Manual Integrations
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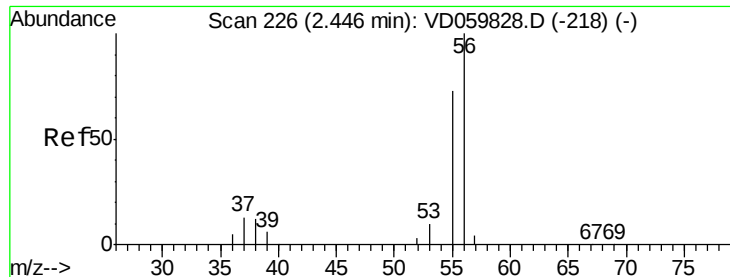
apatel
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#12
1,1-Dichloroethene
Concen: 19.00 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion: 96 Resp: 64858
Ion Ratio Lower Upper
96 100
61 201.8 194.0 291.0
98 61.2 53.4 80.0





#13

Acrolein

Concen: 72.26 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 56 Resp: 24154

Ion Ratio Lower Upper

56 100

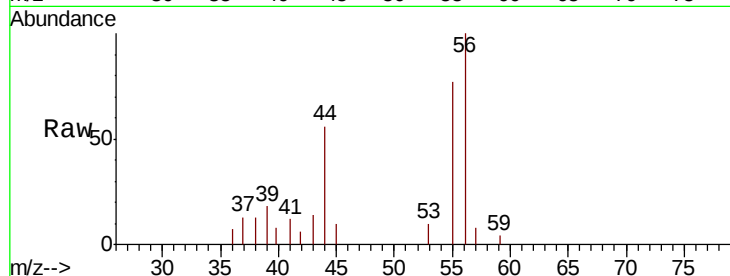
55 77.1 60.4 90.6

Manual Integrations

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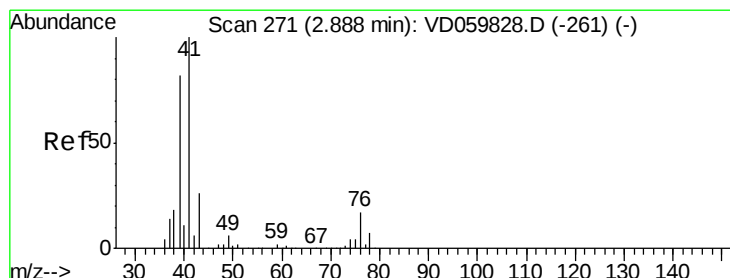
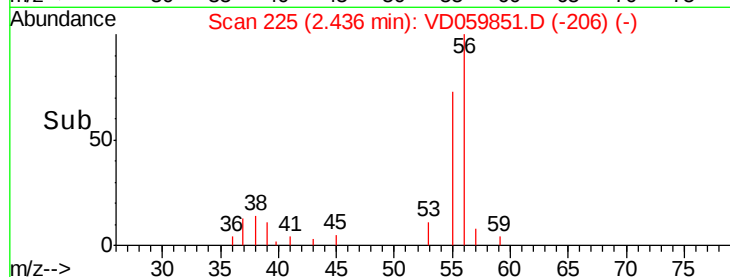
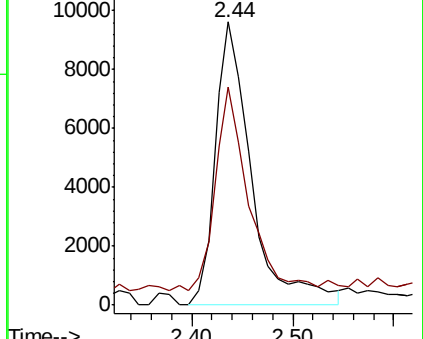
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.47 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

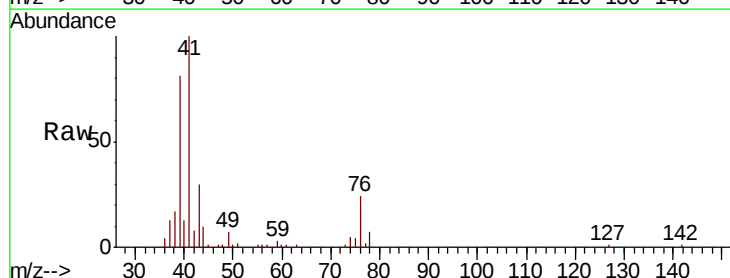
Tgt Ion: 41 Resp: 152511

Ion Ratio Lower Upper

41 100

39 81.0 65.9 98.9

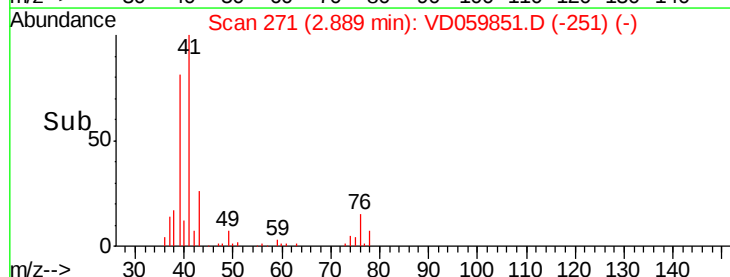
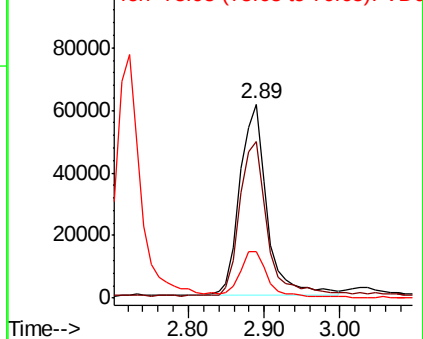
76 23.9 19.9 29.9

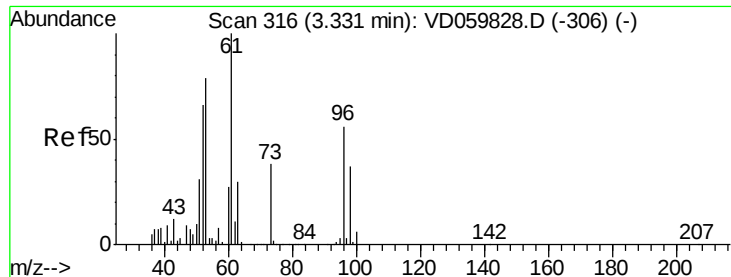


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.26 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

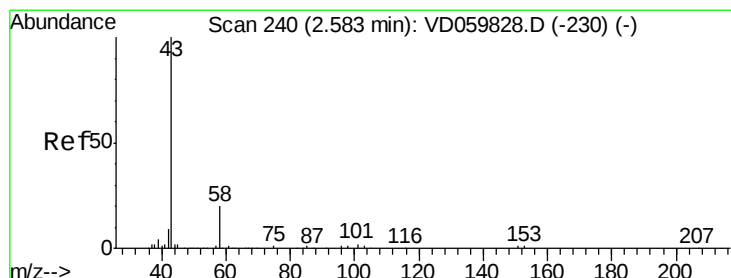
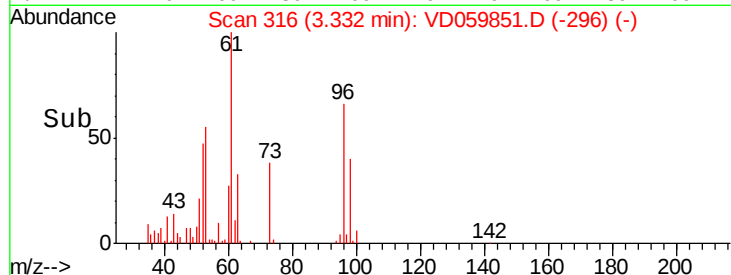
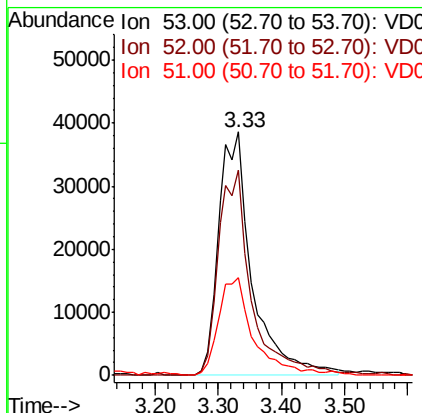
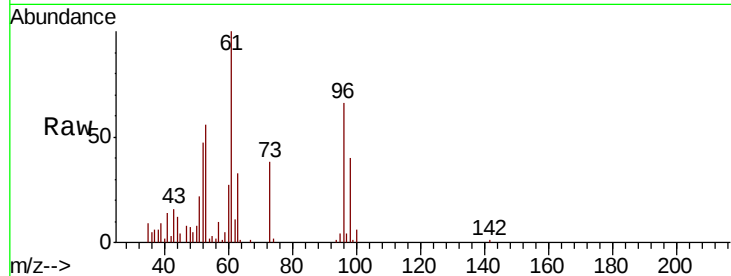
ClientSampleId :

VD0821SBS01

Tot Ion:	53	Resp:	142388
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.8	100.2
51	40.0	31.6	47.4

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#16

Acetone

Concen: 88.79 ug/l

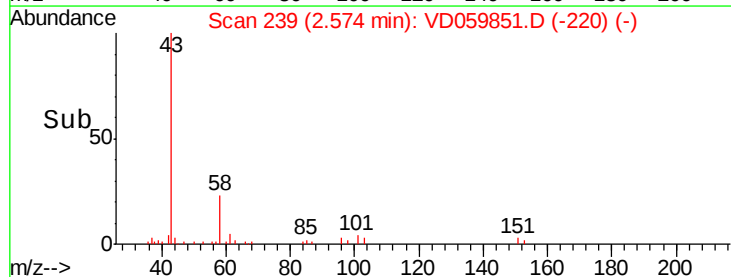
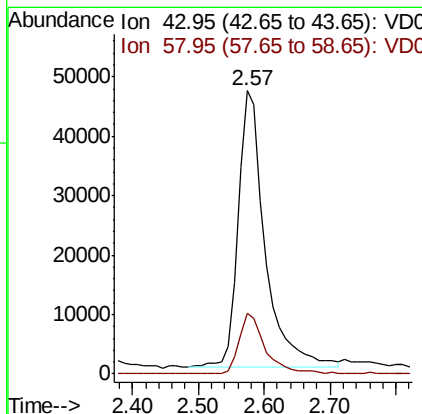
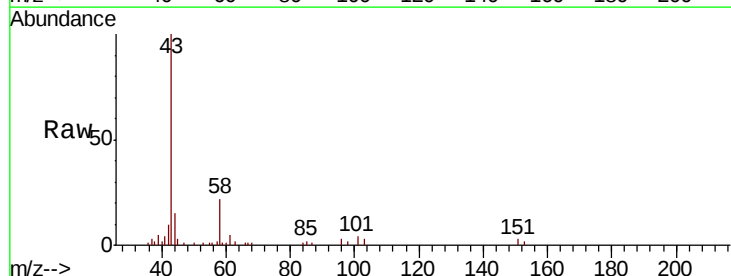
RT: 2.57 min Scan# 239

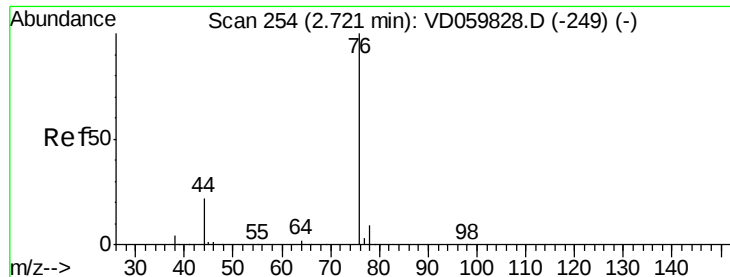
Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion:	43	Resp:	132804
Ion	Ratio	Lower	Upper
43	100		
58	21.6	16.2	24.2





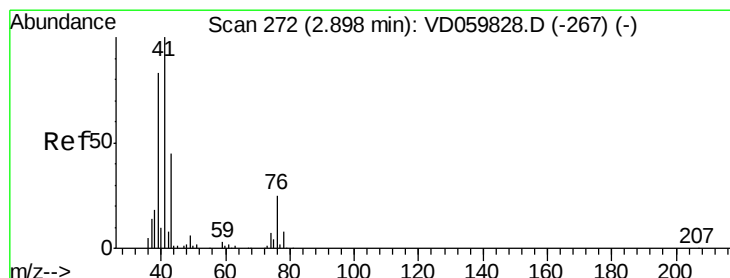
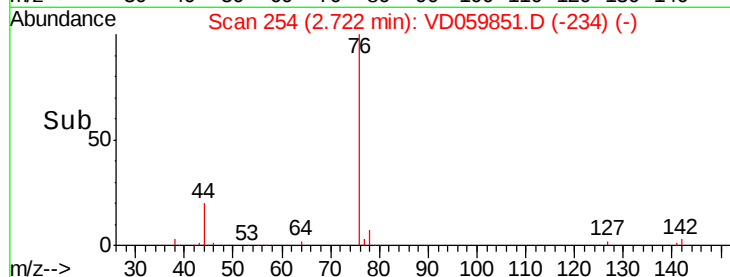
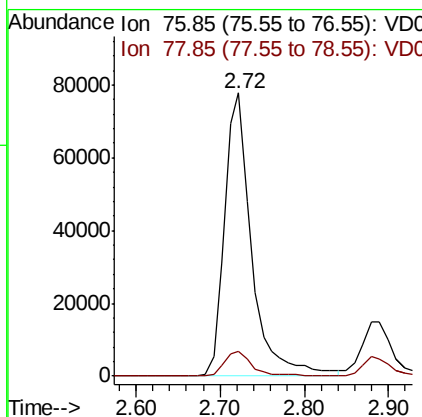
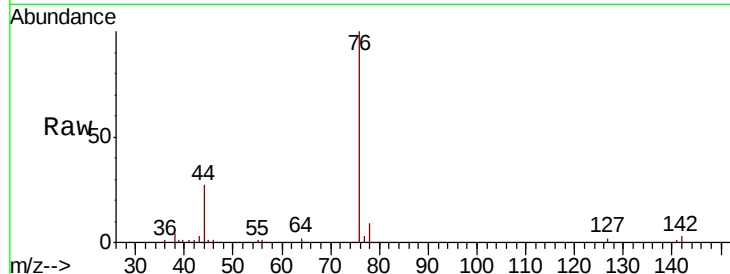
#17
Carbon Disulfide
Concen: 15.24 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

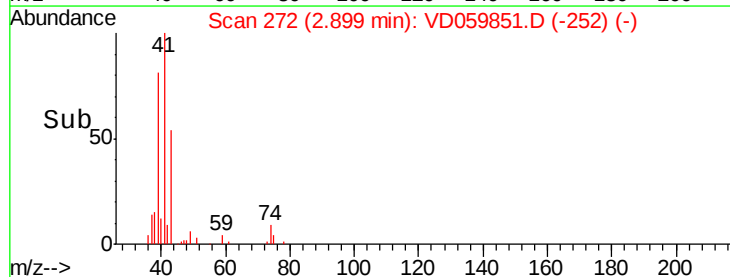
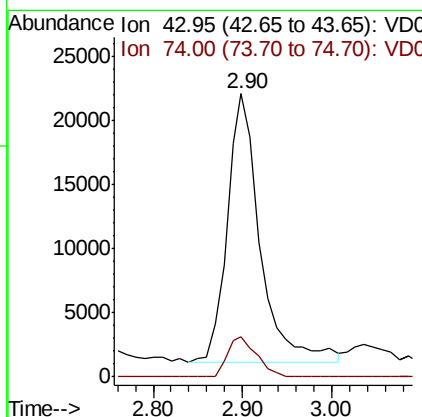
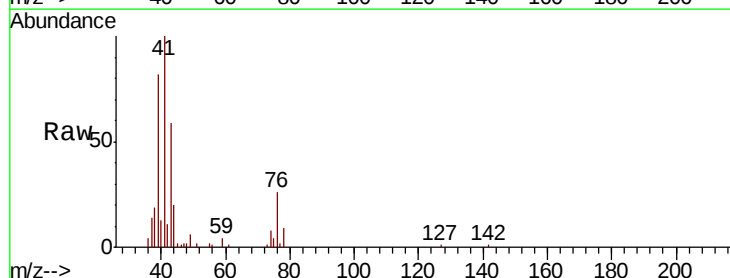
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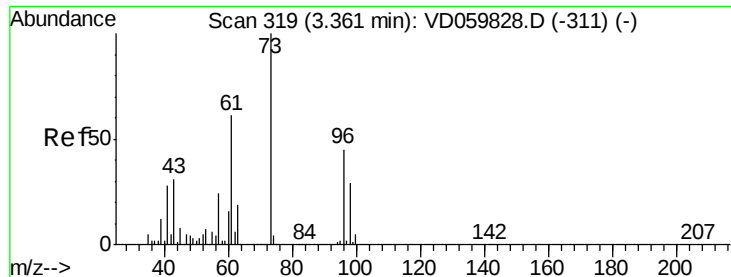
apatel
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#18
Methyl Acetate
Concen: 16.36 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.2	11.4	17.0





#19

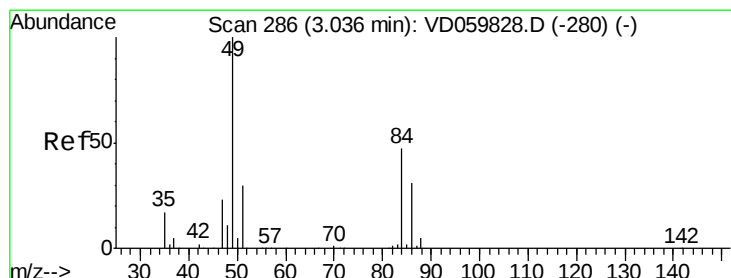
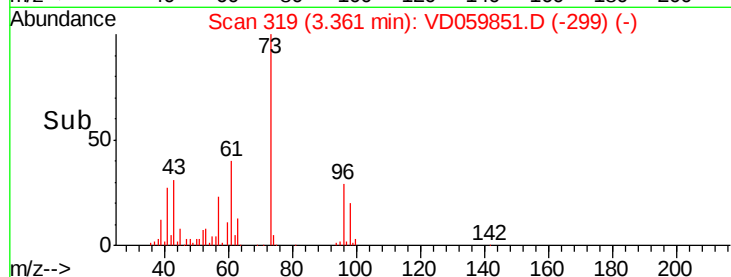
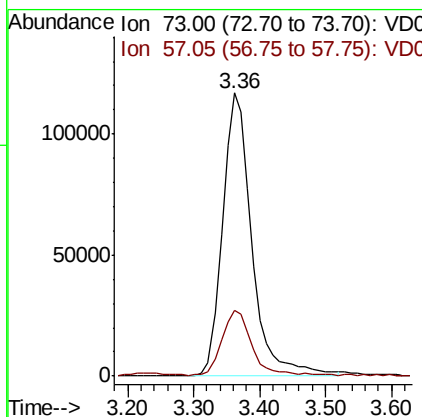
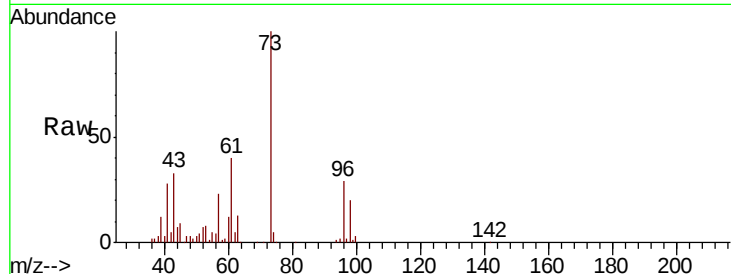
Methyl tert-butyl Ether
 Concen: 18.88 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.4	29.0

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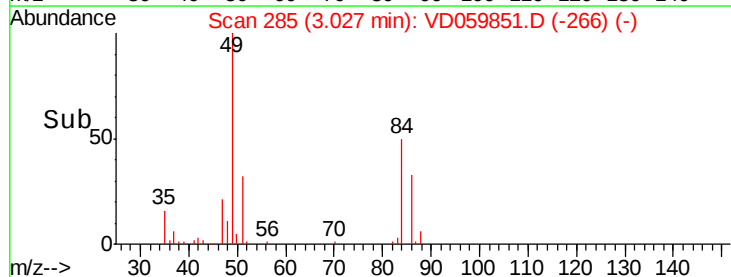
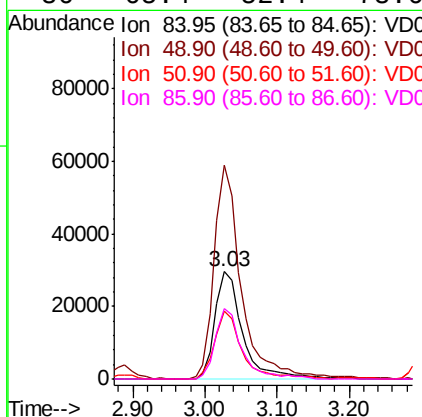
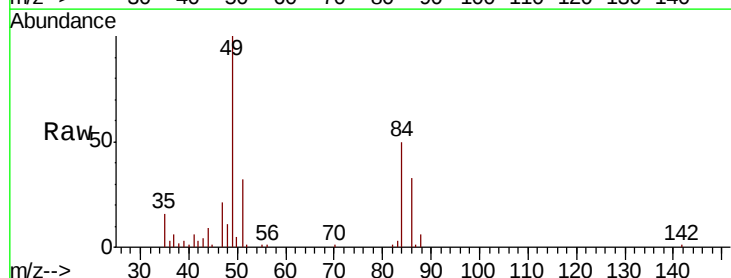
apatel
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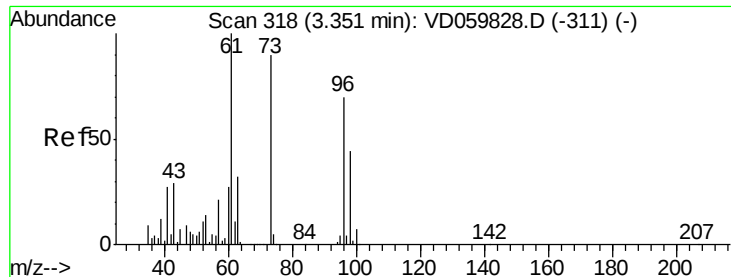


#20

Methylene Chloride
 Concen: 15.03 ug/l
 RT: 3.03 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	198.9	170.4	255.6
51	63.6	51.4	77.0
86	65.4	52.4	78.6





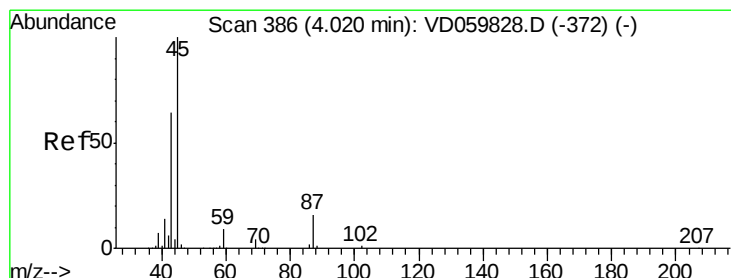
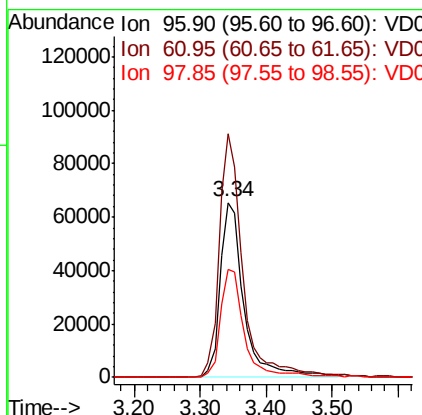
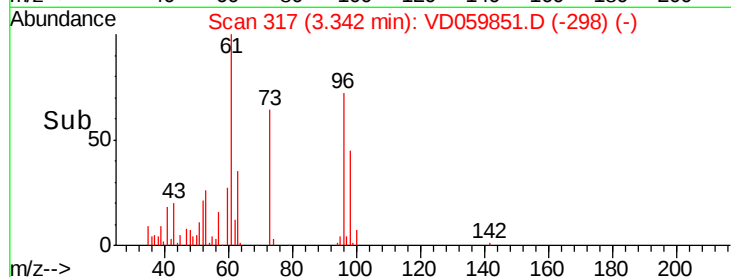
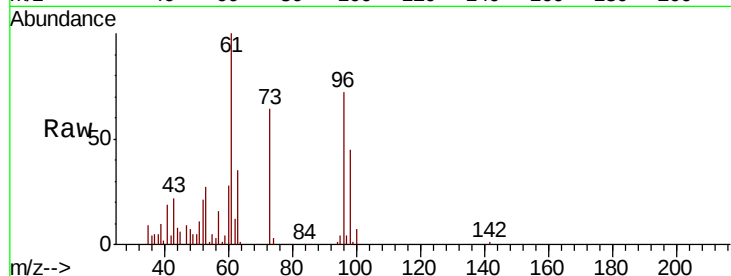
#21
trans-1,2-Dichloroethene
Concen: 17.17 ug/l
RT: 3.34 min Scan# 317
Delta R.T. -0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	114.1	171.1
98	62.0	50.1	75.1

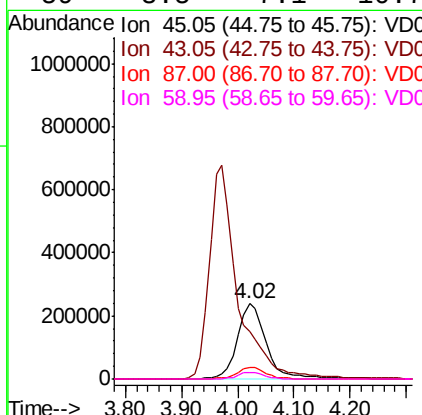
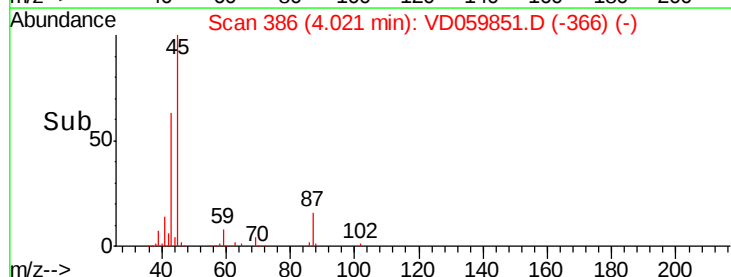
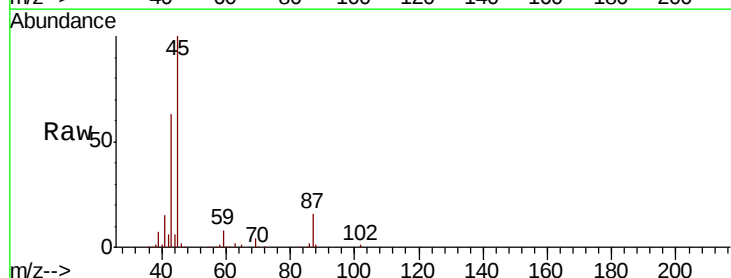
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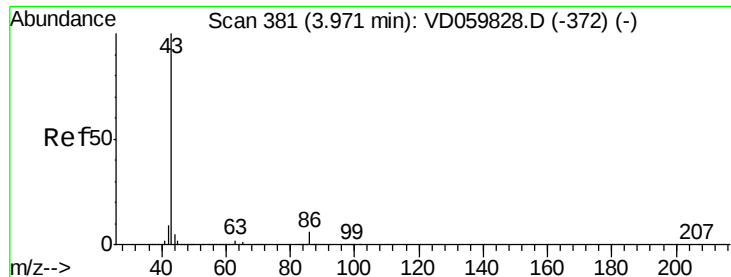
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#22
Diisopropyl ether
Concen: 19.01 ug/l
RT: 4.02 min Scan# 386
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.0	51.1	76.7
87	16.1	12.5	18.7
59	8.5	7.1	10.7





#23

Vinyl Acetate

Concen: 99.13 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 2374458

Ion Ratio Lower Upper

43 100

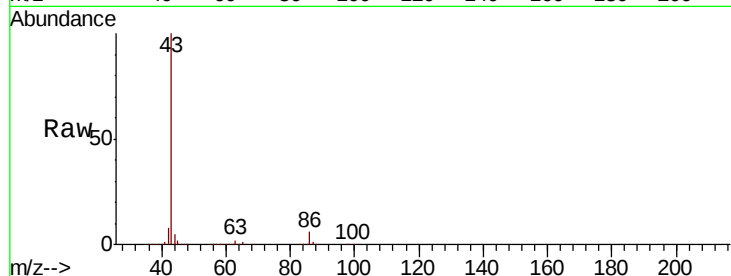
86 5.9 4.6 7.0

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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

600000

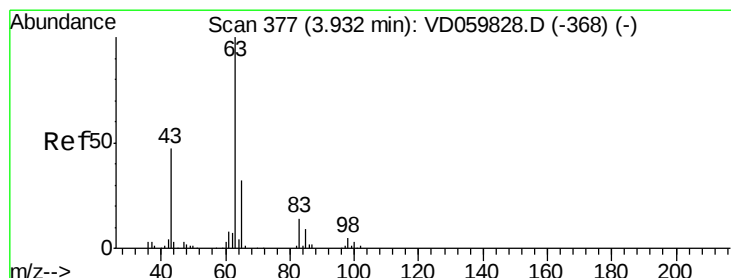
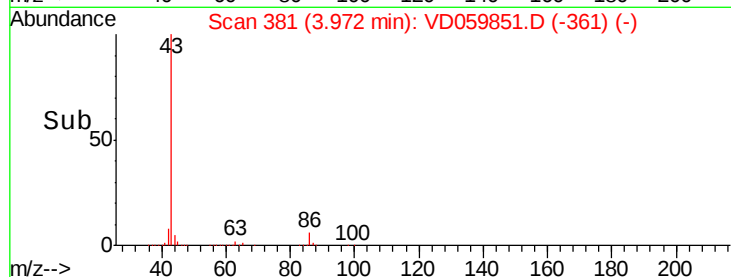
400000

200000

0

Time-->

3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 18.78 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

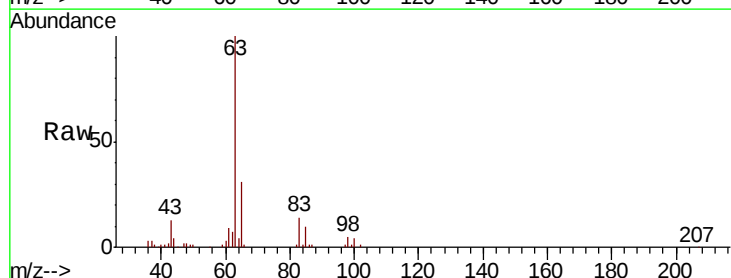
Tgt Ion: 63 Resp: 368181

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.6

100 3.6 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

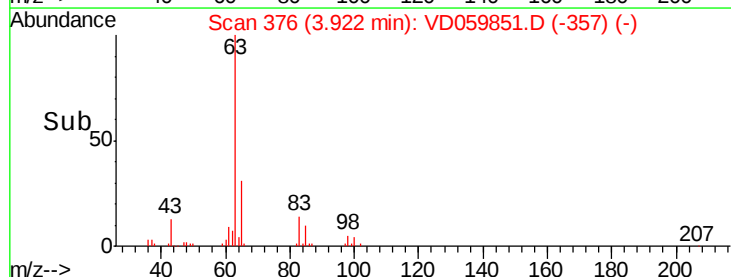
100000

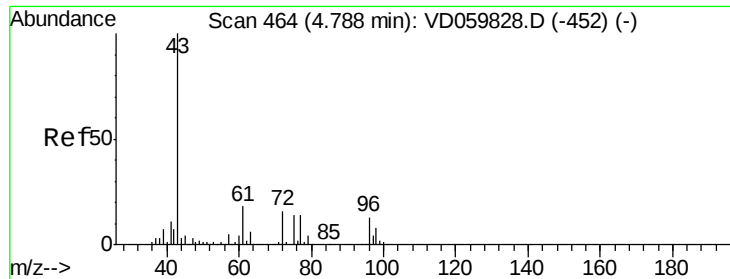
50000

0

Time-->

3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 87.60 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 396037

Ion Ratio Lower Upper

43 100

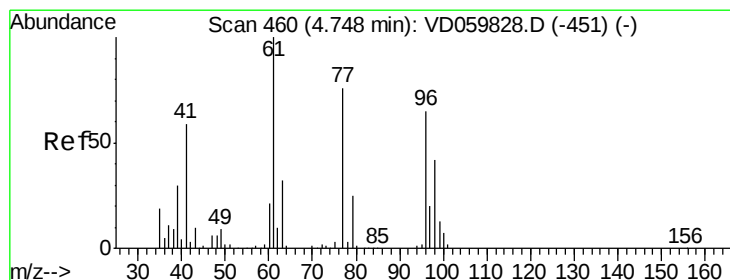
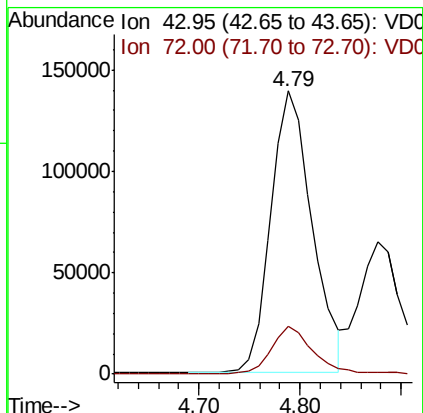
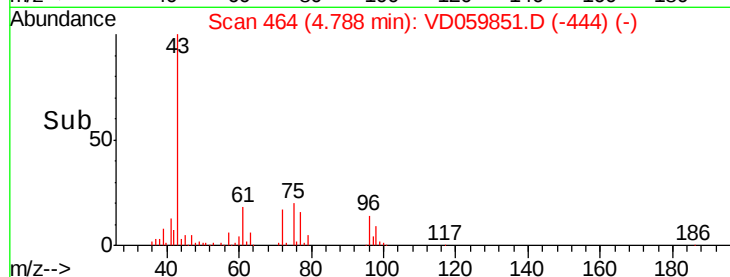
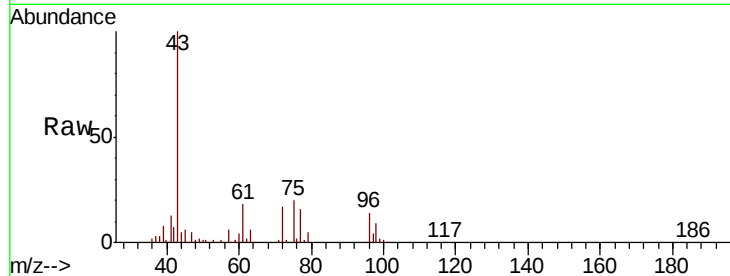
72 17.0 12.4 18.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.60 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059851.D

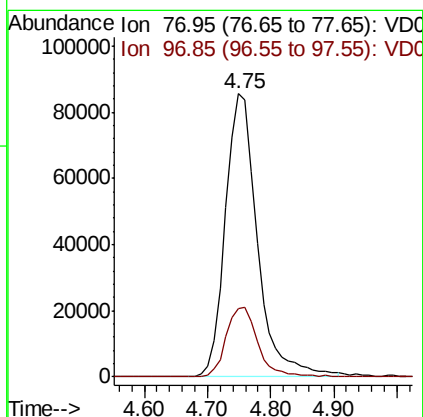
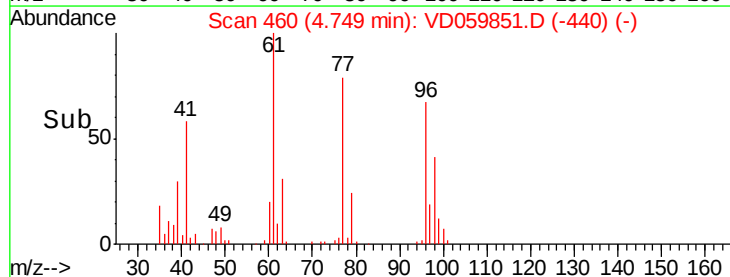
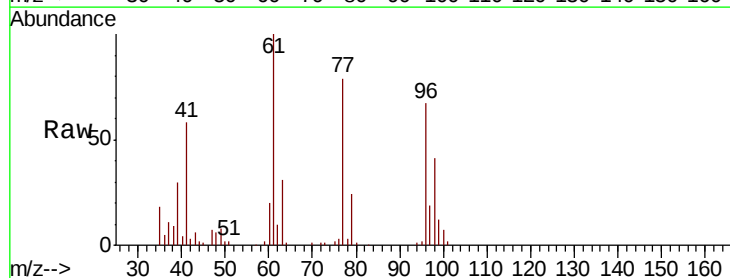
Acq: 21 Aug 2018 13:04

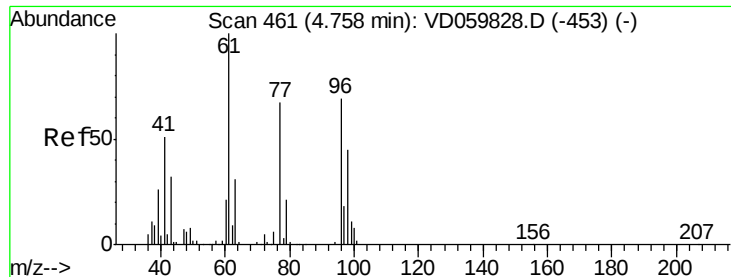
Tgt Ion: 77 Resp: 301556

Ion Ratio Lower Upper

77 100

97 24.2 13.0 38.9





#27

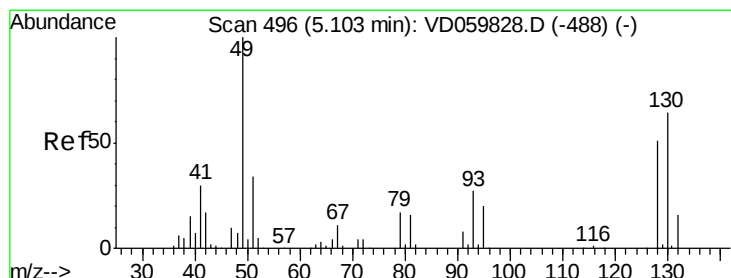
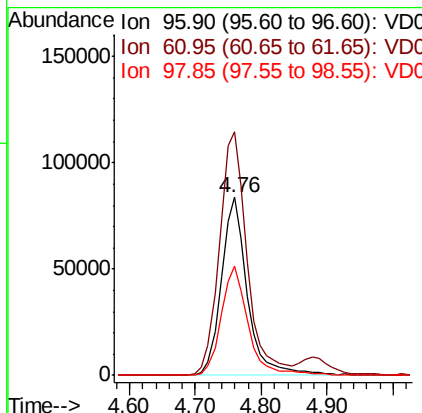
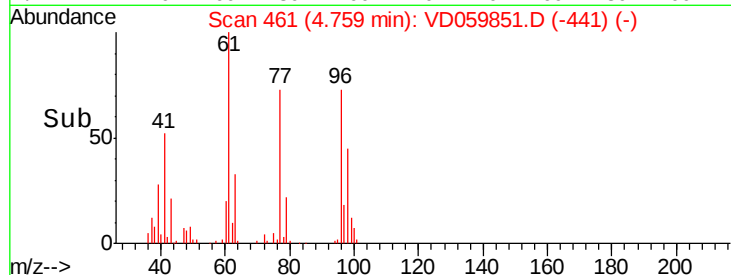
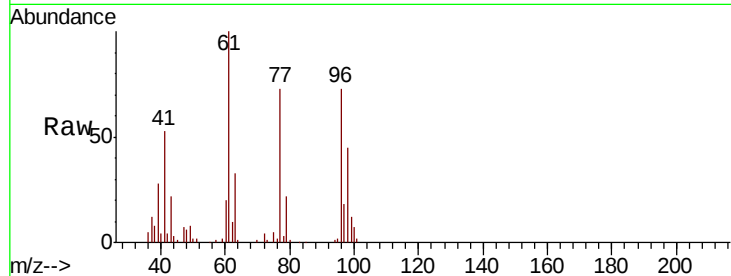
cis-1,2-Dichloroethene
 Concen: 19.79 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.9	0.0	291.8	
98	61.7	0.0	131.6	

Manual Integrations
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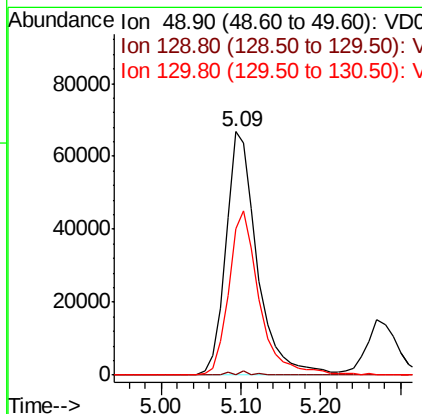
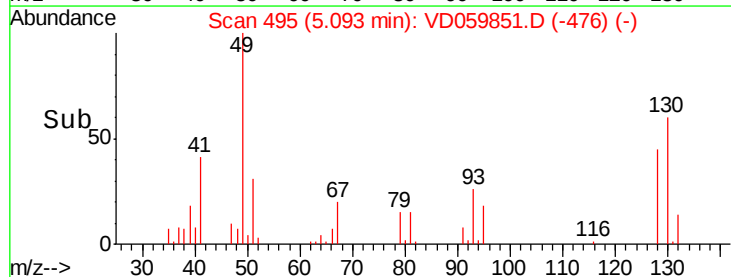
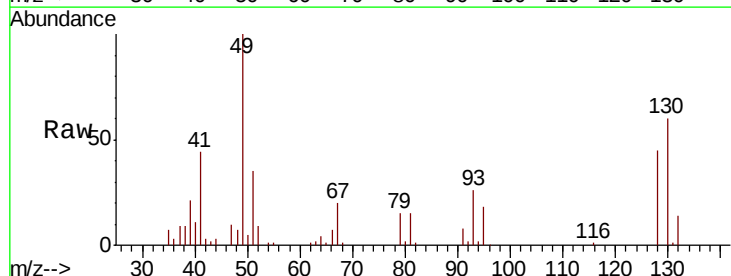
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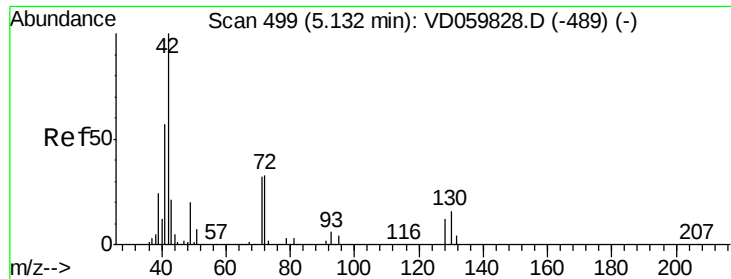


#28

Bromochloromethane
 Concen: 18.43 ug/l
 RT: 5.09 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.8	
130	59.9	51.0	76.6	





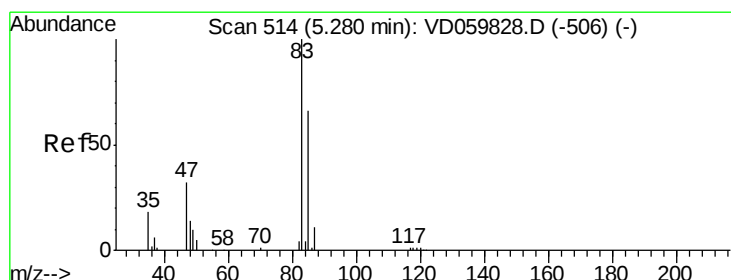
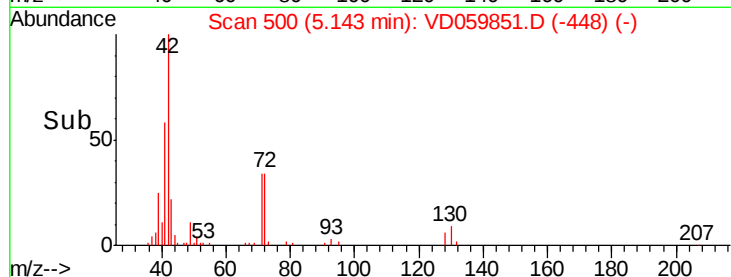
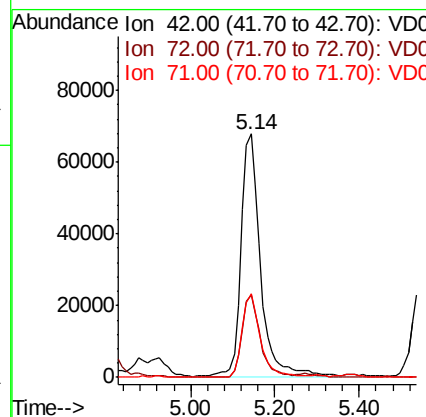
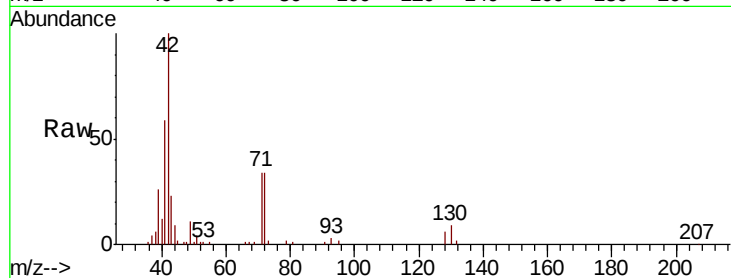
#29
Tetrahydrofuran
Concen: 96.70 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.8	25.8	38.6
71	31.6	25.7	38.5

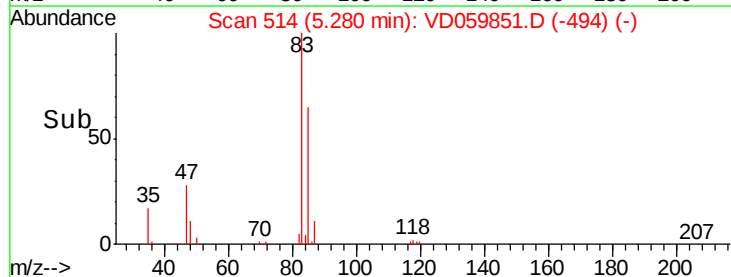
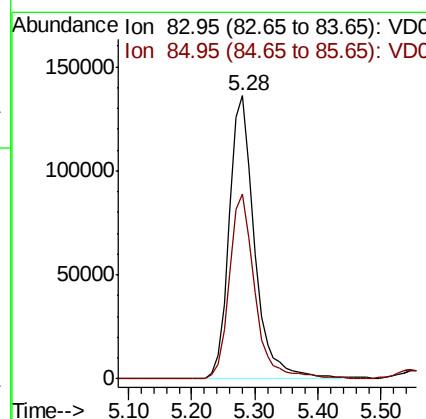
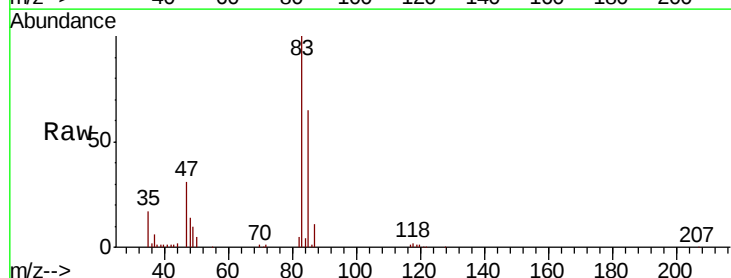
Manual Integrations
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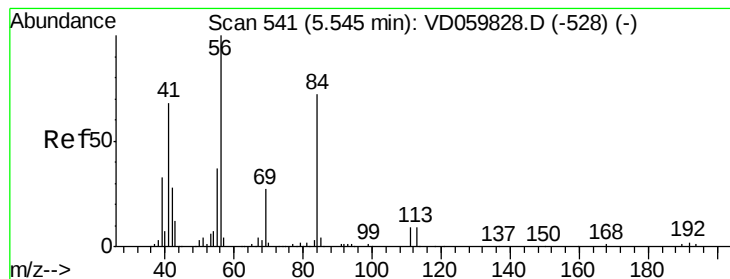
apatel
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#30
Chloroform
Concen: 19.57 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.9	79.3





#31

Cyclohexane

Concen: 15.82 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

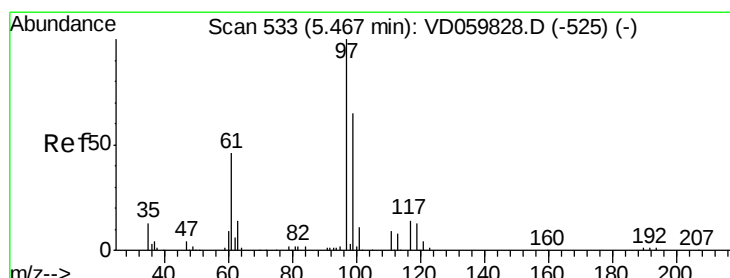
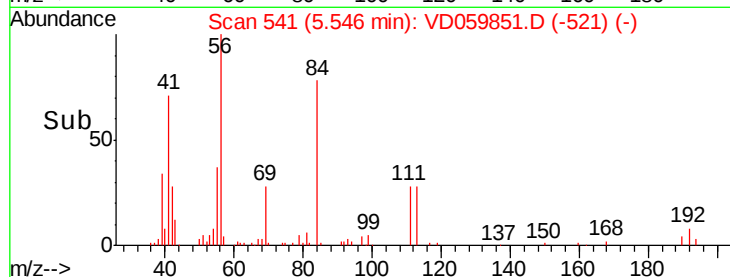
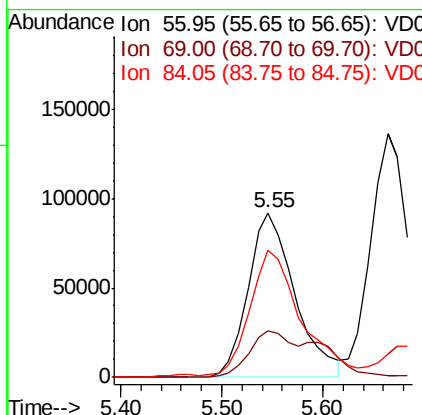
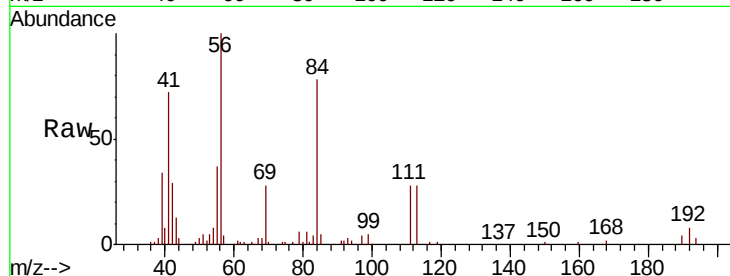
ClientSampleId :

VD0821SBS01

Tot Ion:	56	Resp:	296710
Ion	Ratio	Lower	Upper
56	100		
69	28.3	21.7	32.5
84	77.5	57.8	86.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.99 ug/l

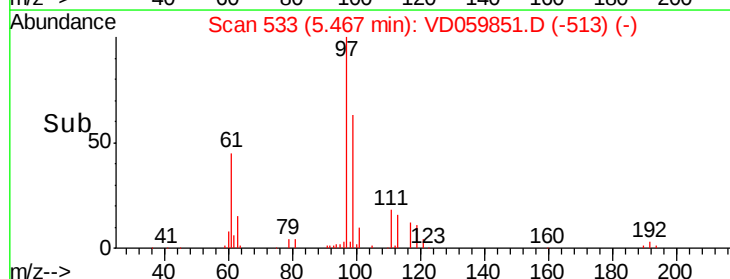
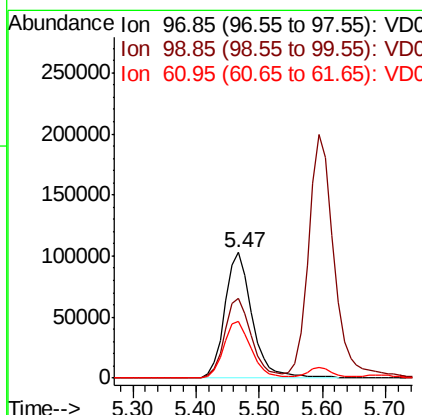
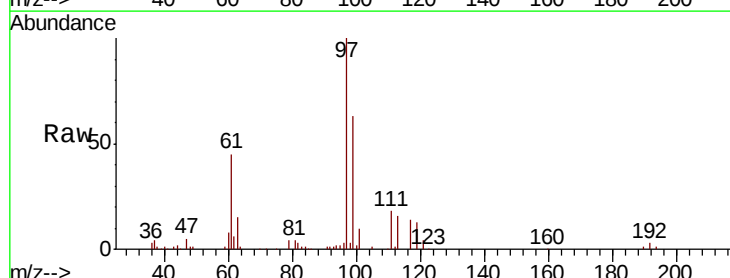
RT: 5.47 min Scan# 533

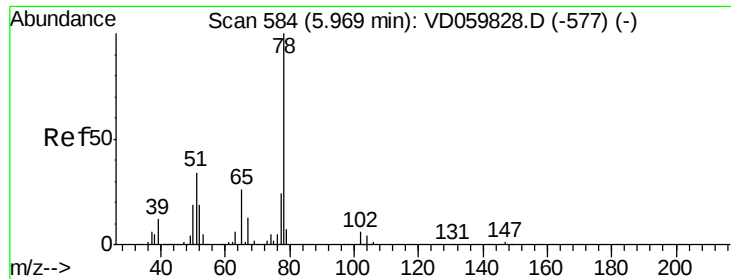
Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion:	97	Resp:	309634
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.9	77.9
61	45.0	37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 18.99 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 65 Resp: 439228

Ion Ratio Lower Upper

65 100

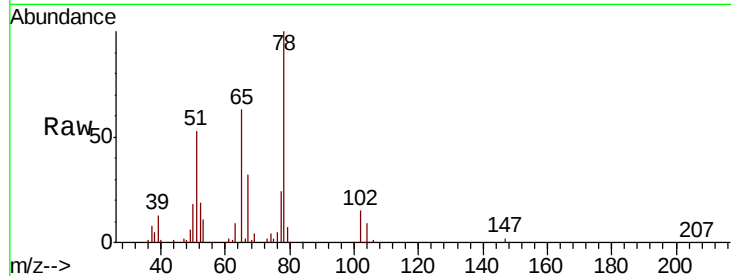
67 51.4 0.0 102.4

Manual Integrations

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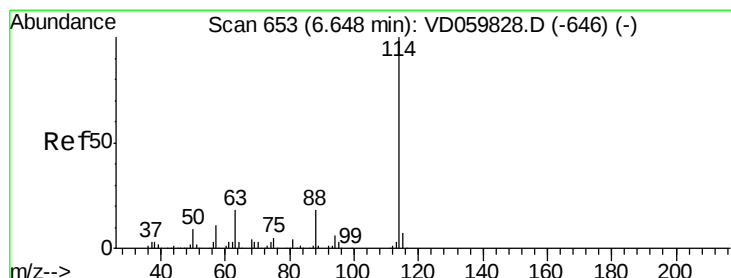
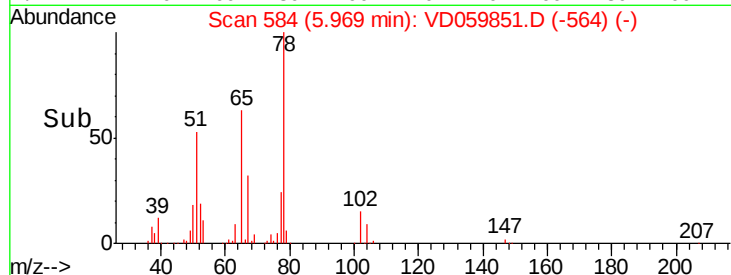
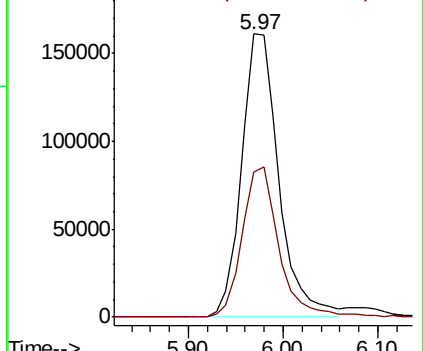
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

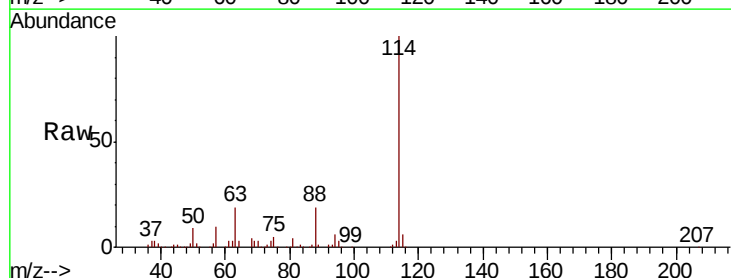
Tgt Ion: 114 Resp: 1538163

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.0

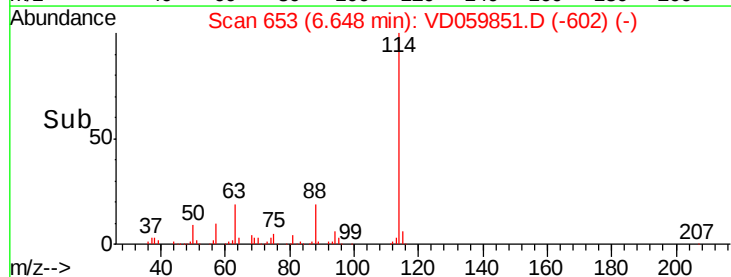
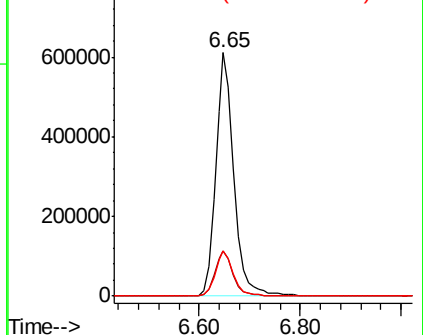
88 18.7 0.0 37.0

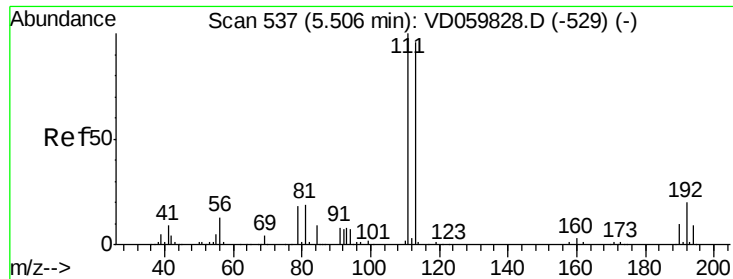


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

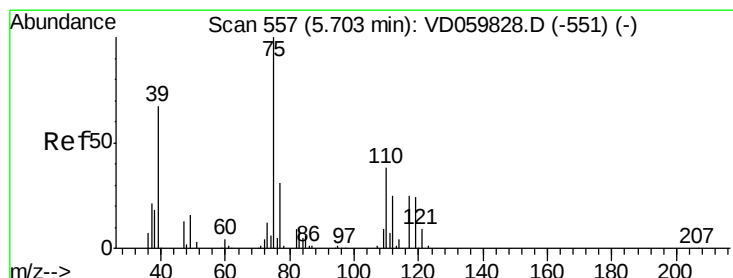
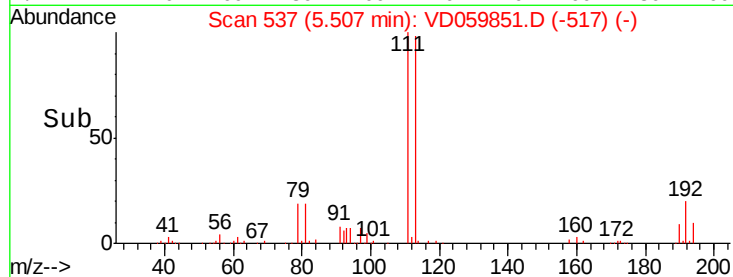
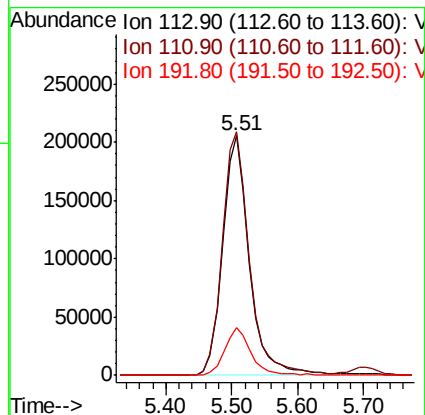
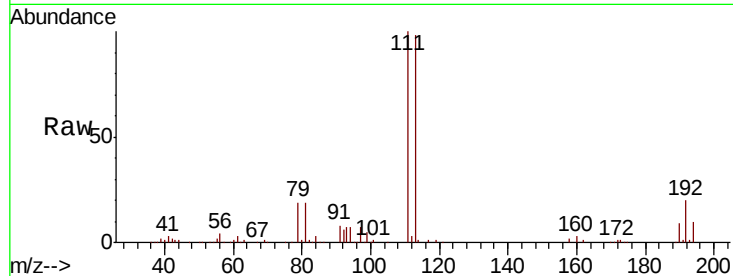
ClientSampleId :

VD0821SBS01

Tot Ion:	113	Resp:	581794
Ion Ratio	Lower	Upper	
113	100		
111	101.7	83.3	124.9
192	19.9	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 20.07 ug/l

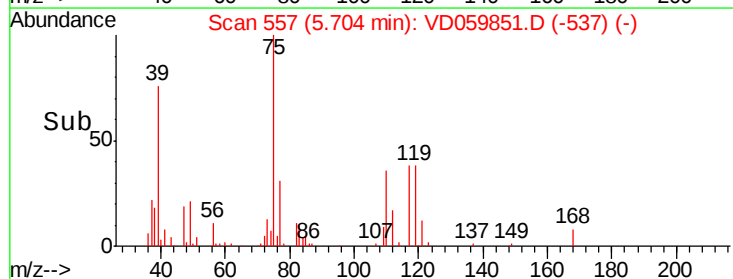
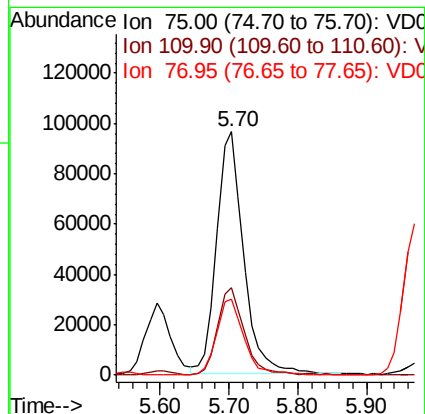
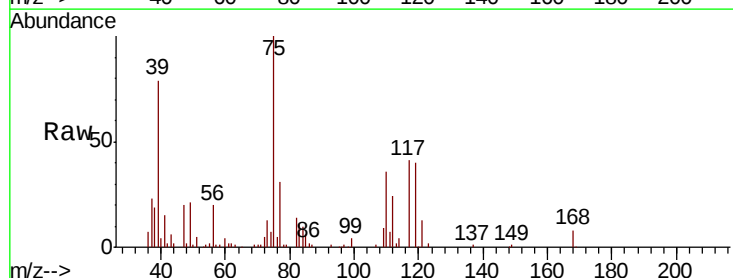
RT: 5.70 min Scan# 557

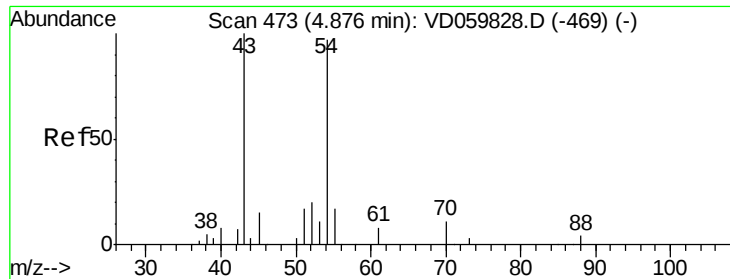
Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion:	75	Resp:	261853
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.8	56.4
77	30.9	24.9	37.3





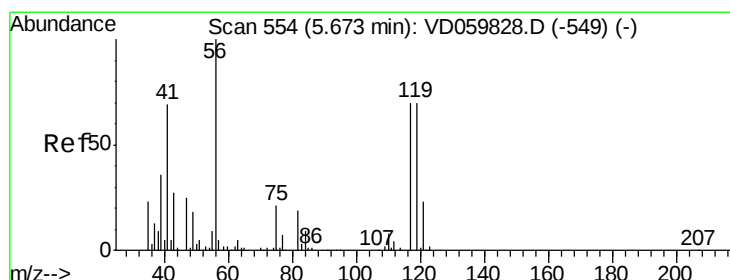
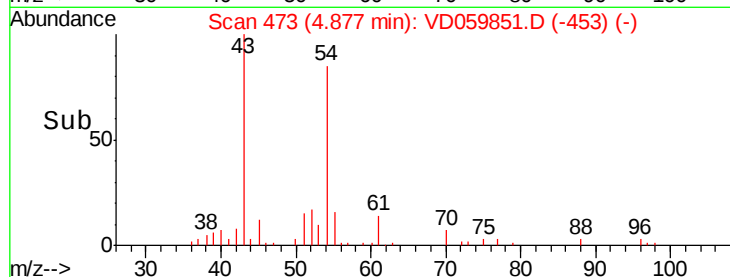
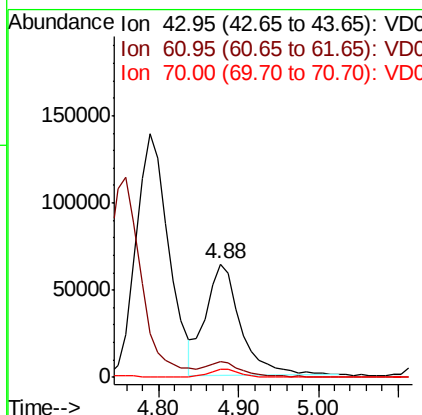
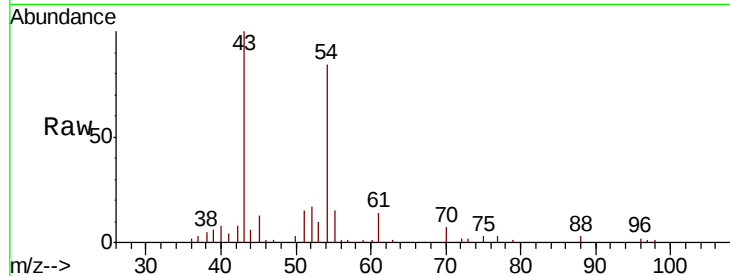
#37
Ethyl Acetate
Concen: 20.22 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.4	15.6
70	7.2	6.2	9.2

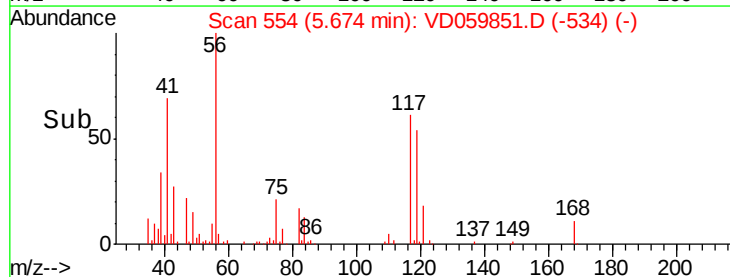
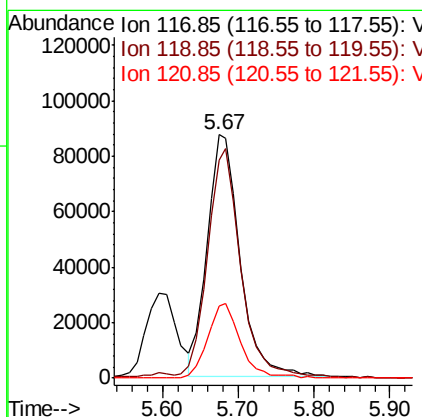
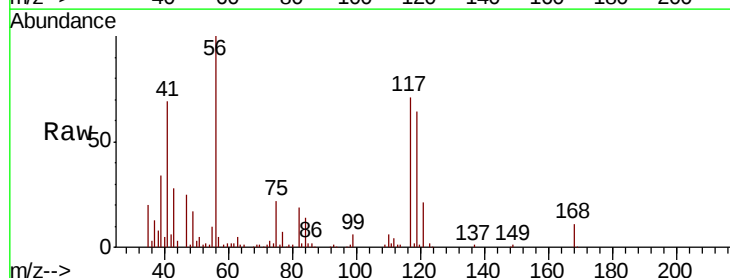
Manual Integrations
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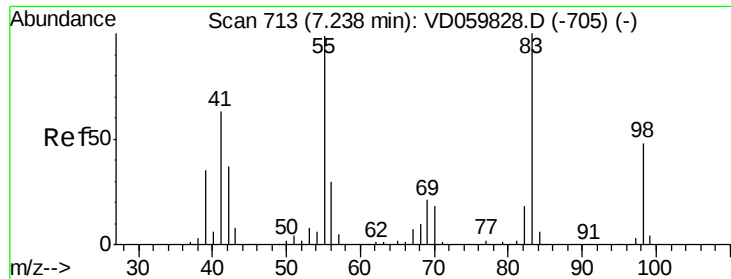
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#38
Carbon Tetrachloride
Concen: 20.13 ug/l
RT: 5.67 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.6	77.0	115.4
121	29.5	24.7	37.1





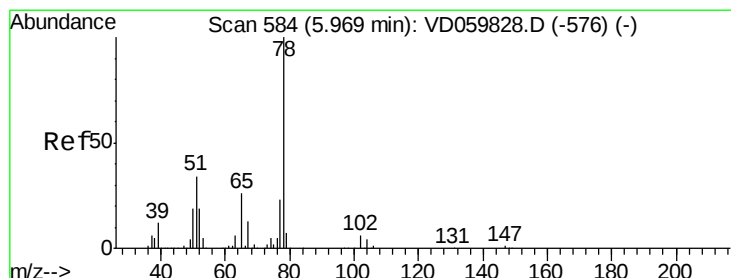
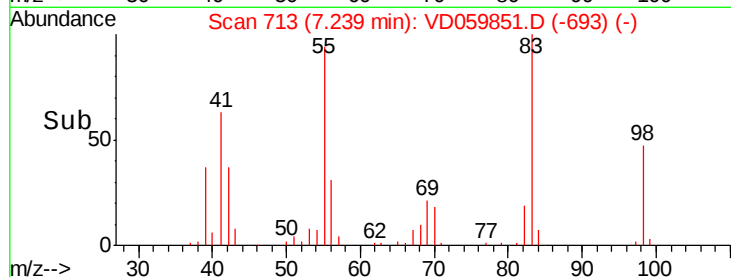
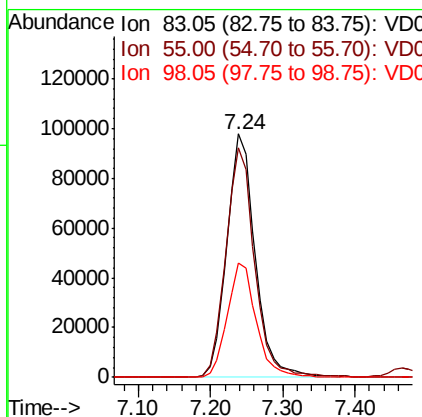
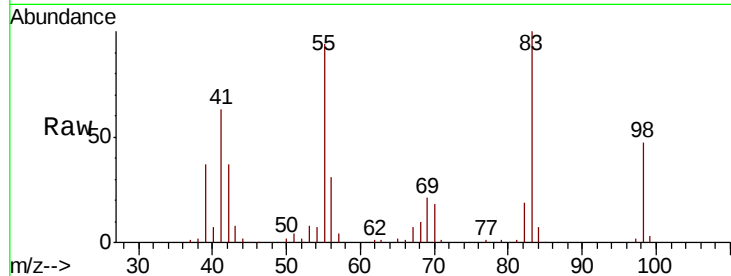
#39
Methvlcvclohexane
Concen: 19.15 ug/l
RT: 7.24 min Scan# 713
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.5	79.0	118.6
98	46.9	38.1	57.1

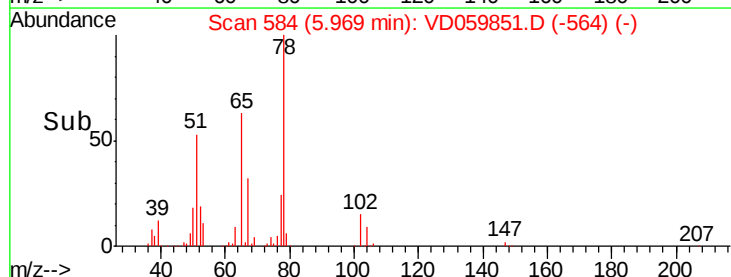
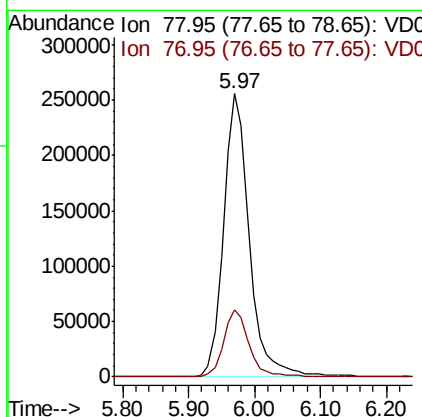
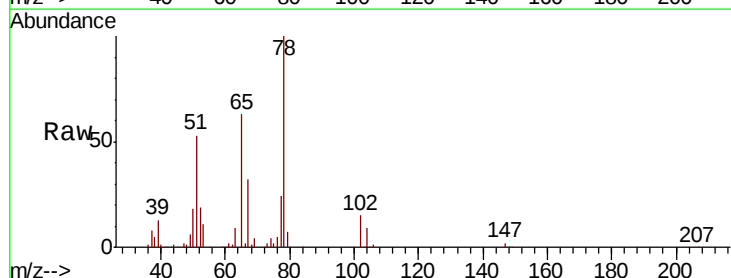
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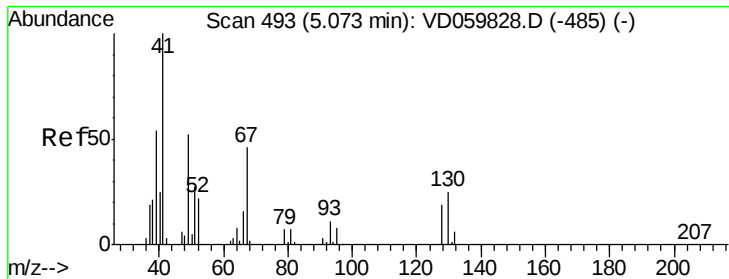
apatel
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#40
Benzene
Concen: 20.59 ug/l
RT: 5.97 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 19.08 ug/l

RT: 5.08 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

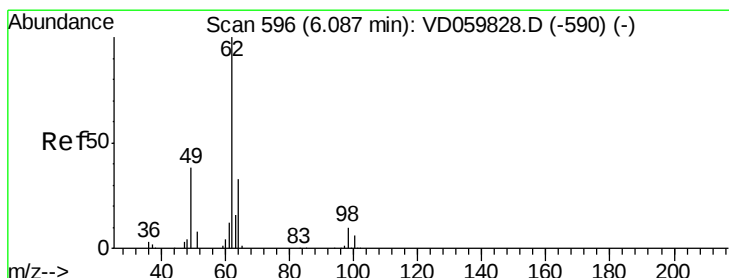
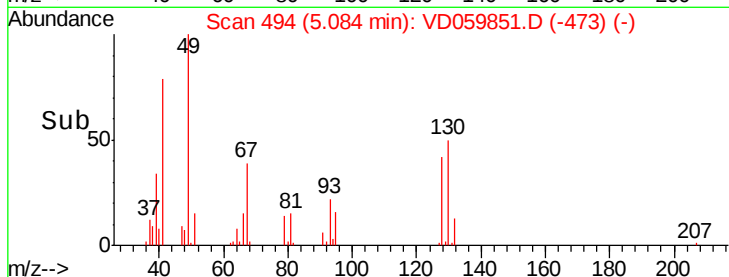
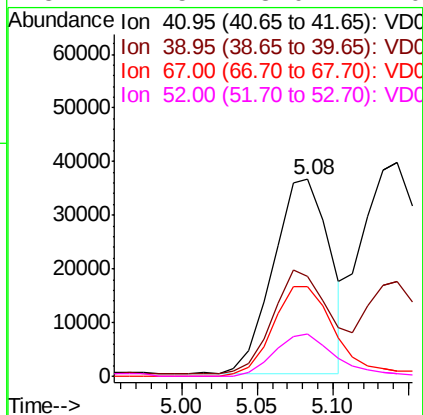
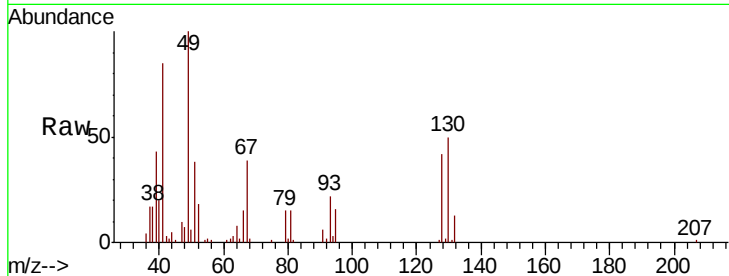
ClientSampleId :

VD0821SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		94506		
39	50.9	43.0	64.6		
67	45.9	36.7	55.1		
52	21.5	18.0	27.0		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.66 ug/l

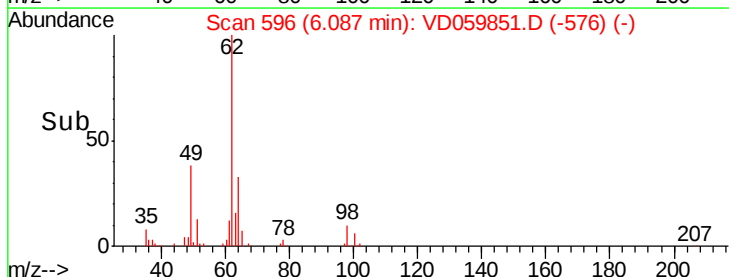
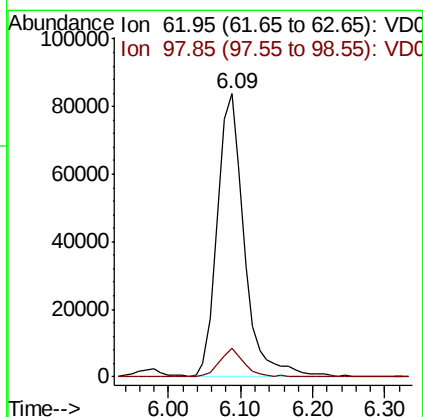
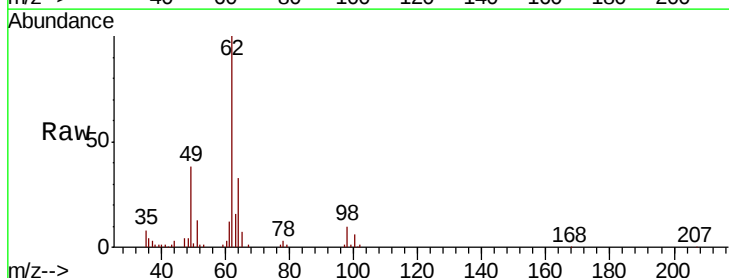
RT: 6.09 min Scan# 596

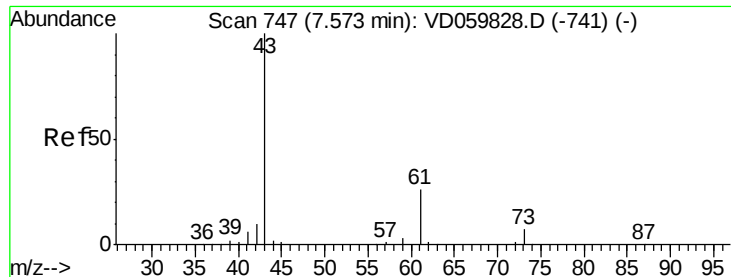
Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		216414		
98	10.0	0.0	19.4		





#43

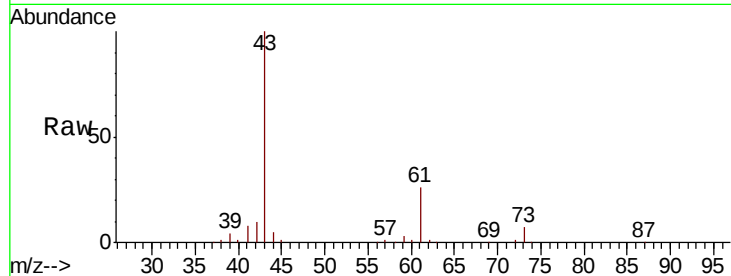
Isopropyl Acetate
 Concen: 18.84 ug/l
 RT: 7.57 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0821SBS01

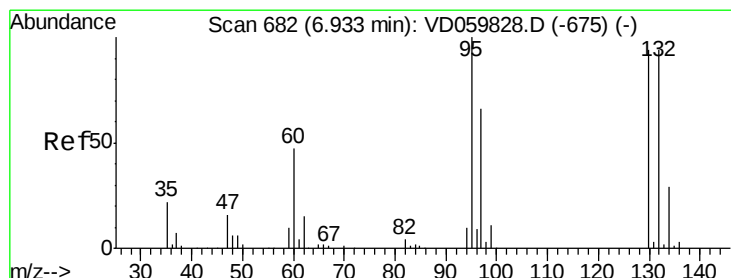
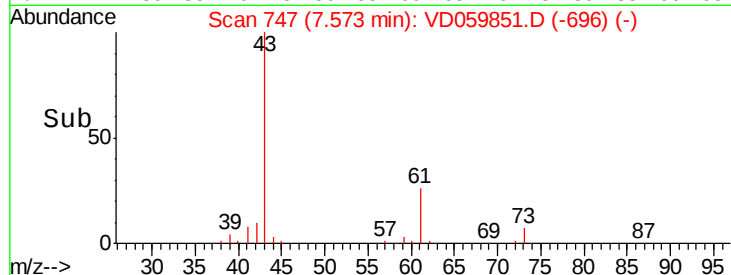
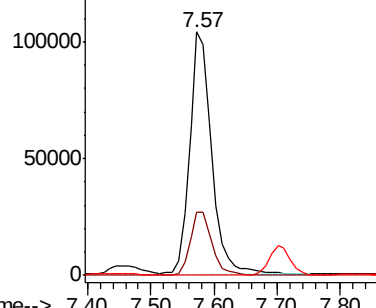
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.0	31.4
87	0.3	0.2	0.4

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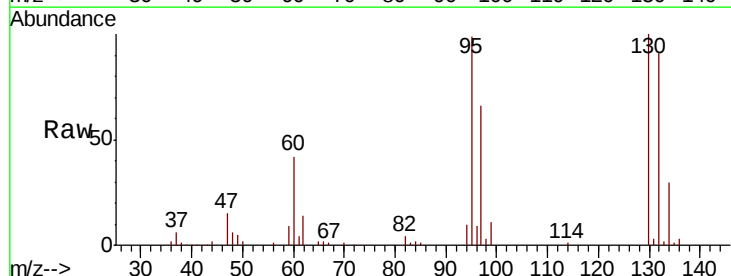
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



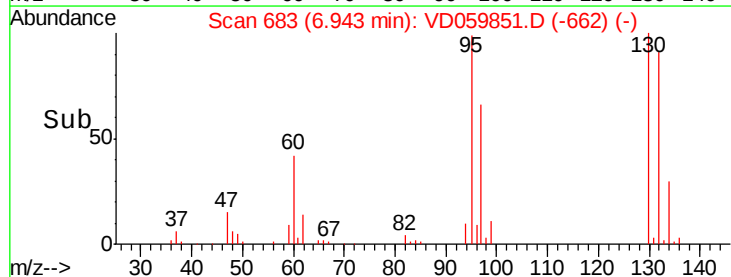
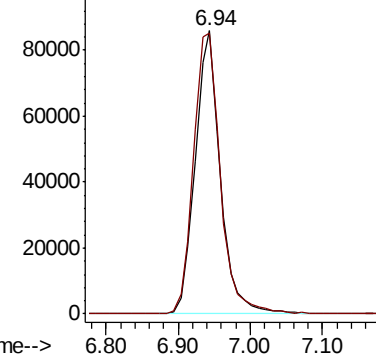
#44

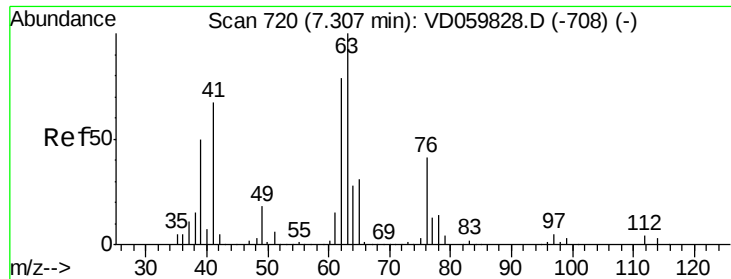
Trichloroethene
 Concen: 20.53 ug/l
 RT: 6.94 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	213.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VDC





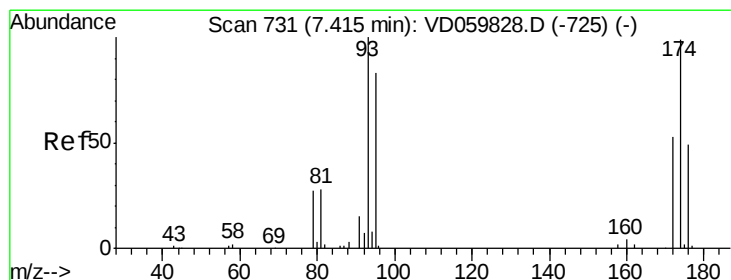
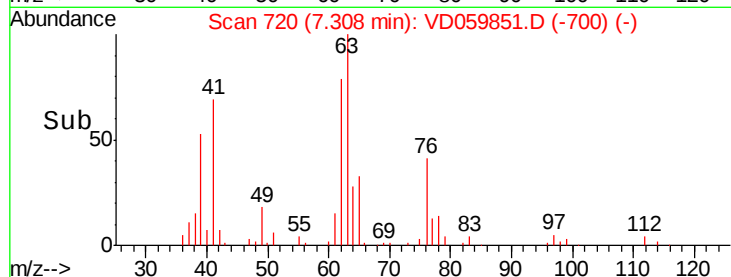
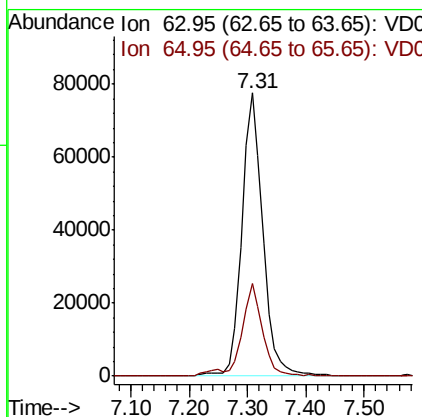
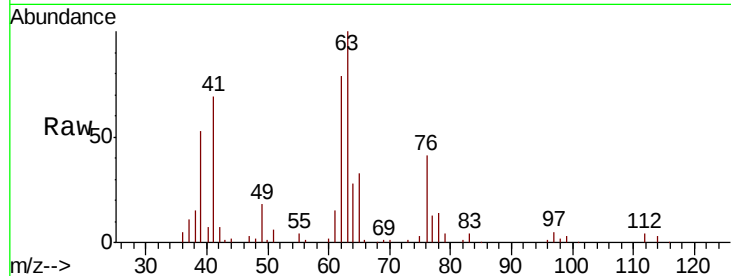
#45
 1,2-Dichloropropane
 Concen: 19.64 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion: 63 Resp: 194933
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.5 36.7

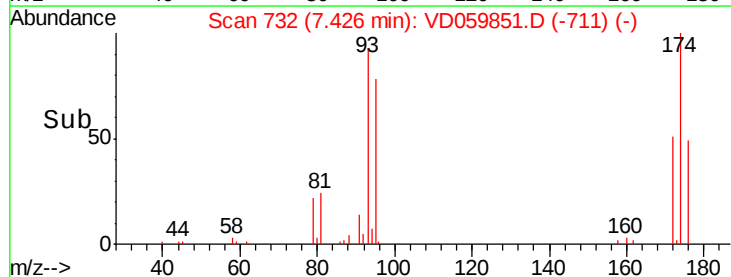
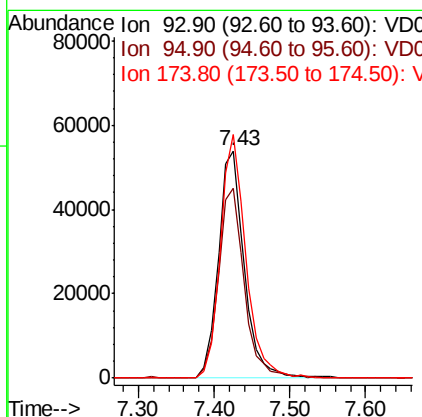
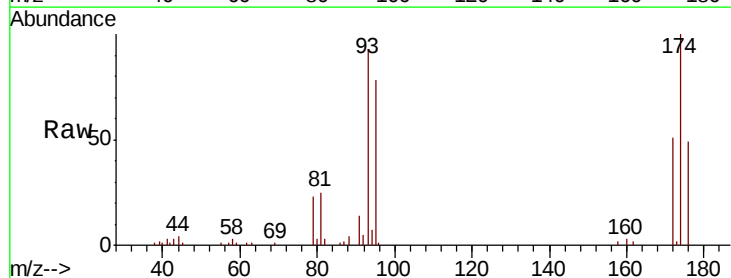
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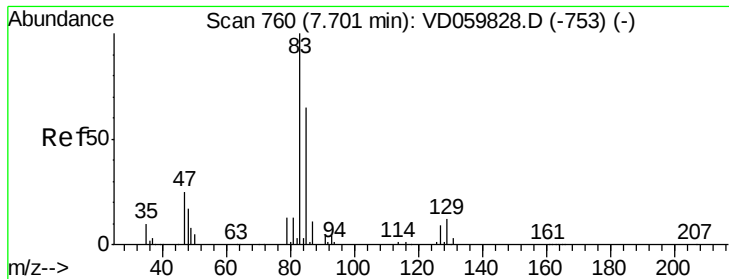
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#46
 Dibromomethane
 Concen: 20.68 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 93 Resp: 127783
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.3 99.5
 174 107.2 79.4 119.0





#47

Bromodichloromethane

Concen: 20.64 ug/l

RT: 7.70 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

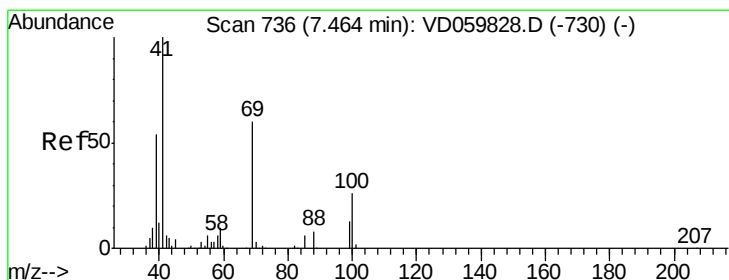
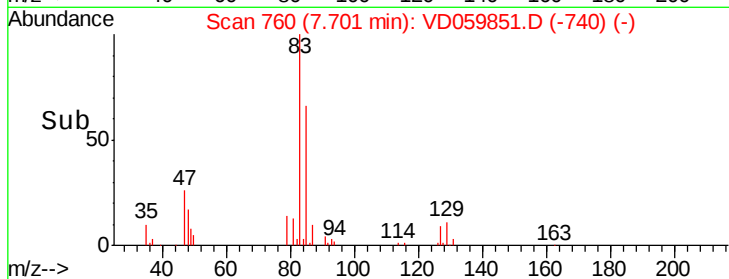
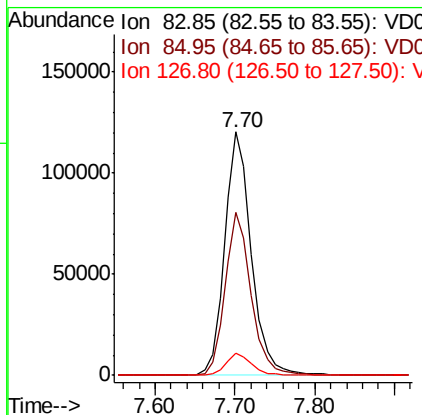
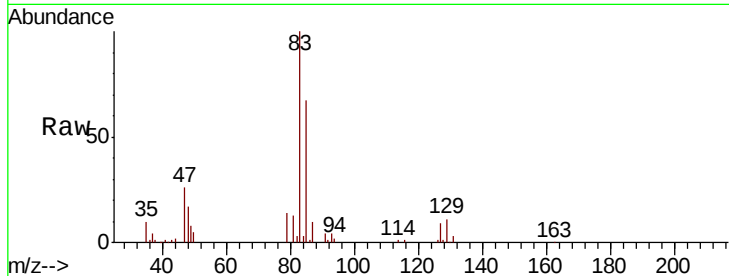
ClientSampleId :

VD0821SBS01

Tot Ion:	83	Resp:	281558
Ion Ratio	Lower	Upper	
83	100		
85	66.7	52.2	78.4
127	9.3	7.1	10.7

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#48

Methyl methacrylate

Concen: 20.23 ug/l

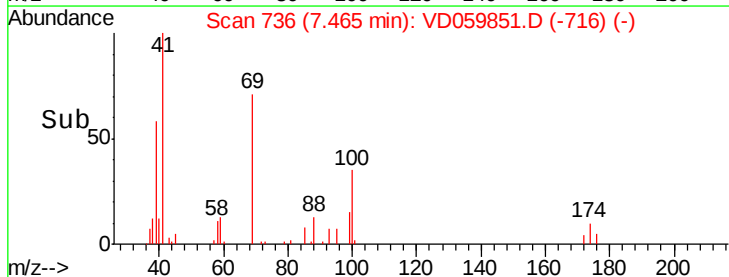
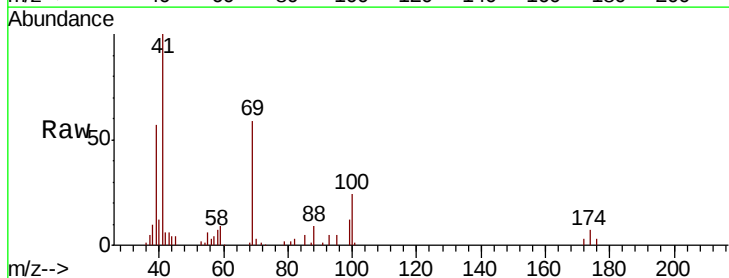
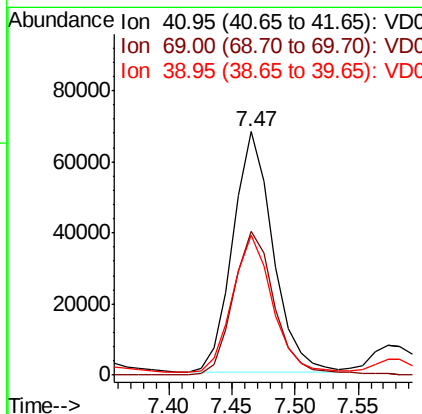
RT: 7.47 min Scan# 736

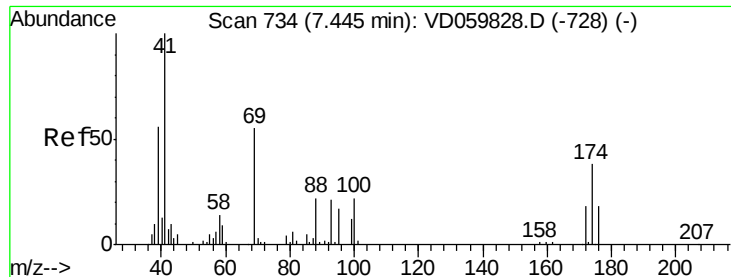
Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion:	41	Resp:	149225
Ion Ratio	Lower	Upper	
41	100		
69	59.3	47.0	70.4
39	57.3	43.4	65.2





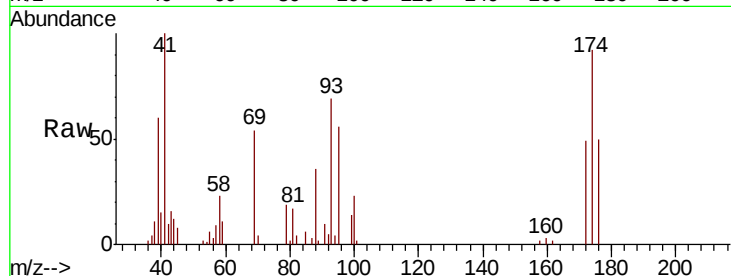
#49
1,4-Dioxane
Concen: 439.01 ug/l
RT: 7.45 min Scan# 734
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

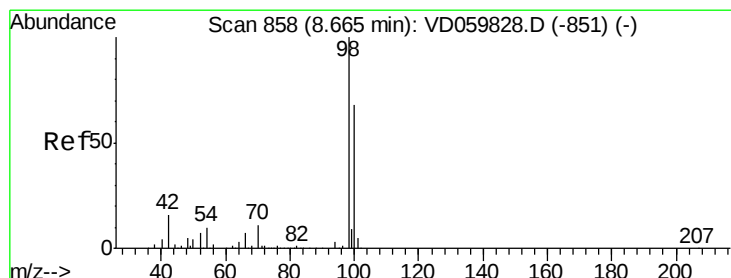
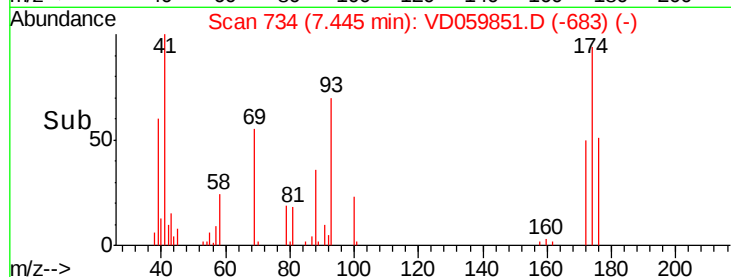
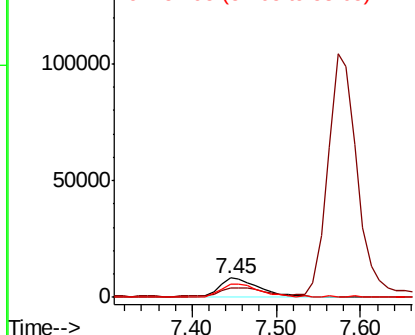
Tot Ion	88	Resp	27406
Ion Ratio	100	Lower	Upper
43	46.0	41.4	62.0
58	65.3	52.4	78.6

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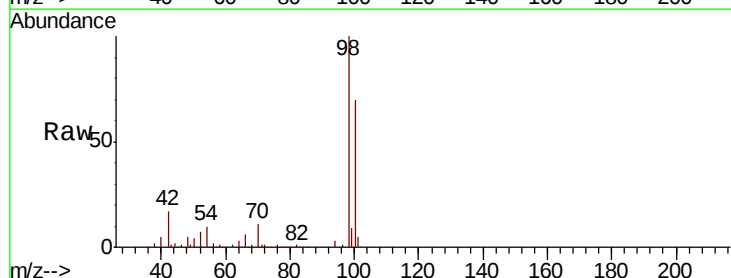


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

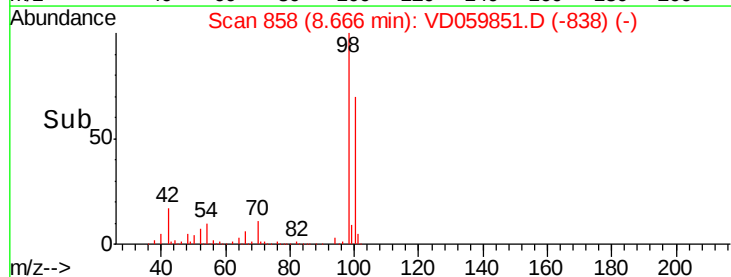
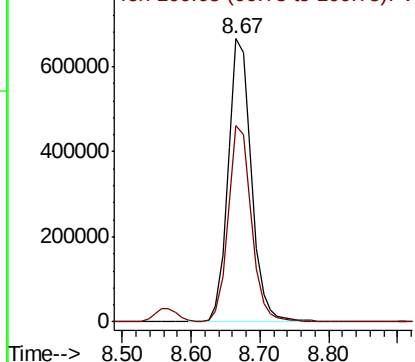


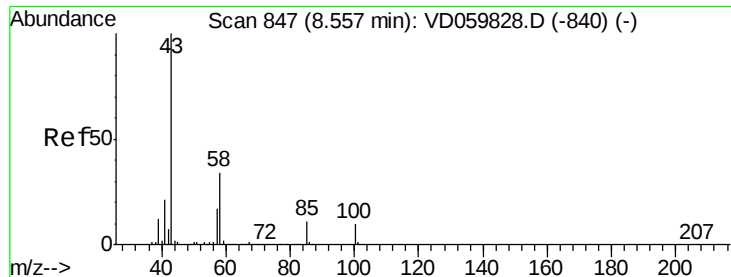
#50
Toluene-d8
Concen: 439.01 ug/l
RT: 8.67 min Scan# 858
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	98	Resp	1549225
Ion Ratio	100	Lower	Upper
100	69.5	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: 93.11 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 832615

Ion Ratio Lower Upper

43 100

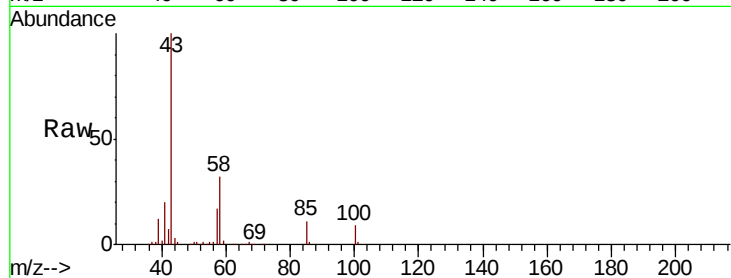
58 31.7 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.56

400000

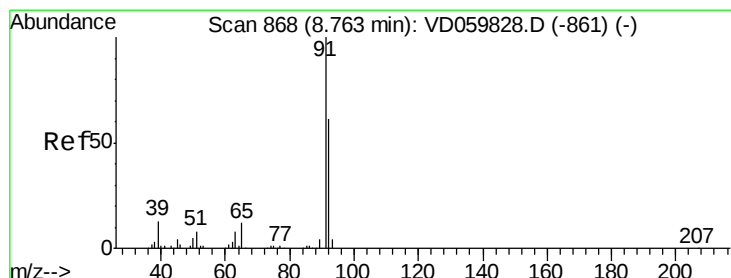
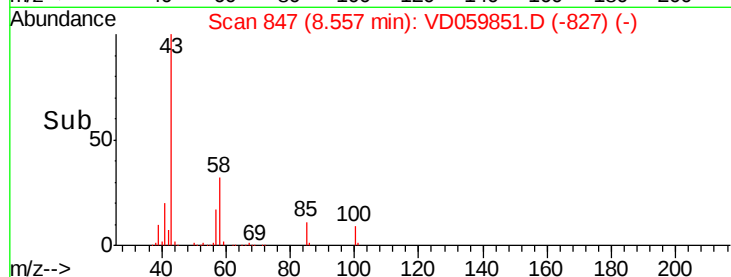
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.50 ug/l

RT: 8.76 min Scan# 868

Delta R.T. 0.00 min

Lab File: VD059851.D

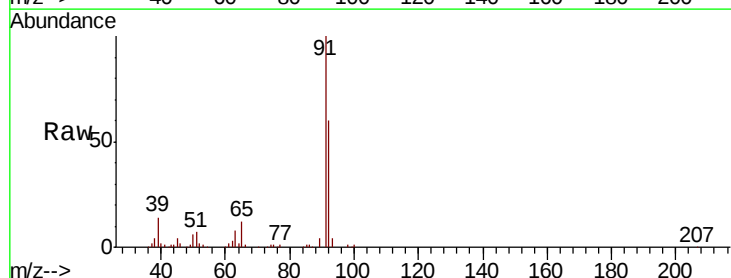
Acq: 21 Aug 2018 13:04

Tgt Ion: 92 Resp: 438100

Ion Ratio Lower Upper

92 100

91 166.3 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.76

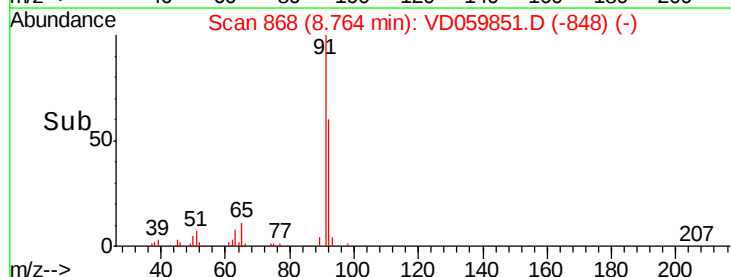
300000

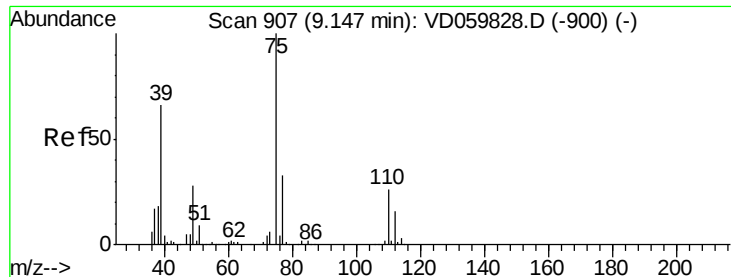
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.14 ug/l

RT: 9.15 min Scan# 907

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tot Ion: 75 Resp: 250330

Ion Ratio Lower Upper

75 100

77 33.7 26.3 39.5

Instrument :

MSVOA_D

ClientSampleId :

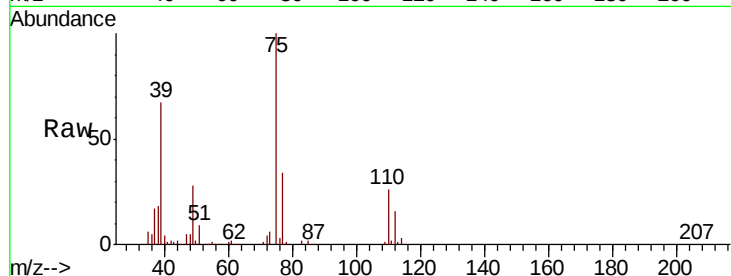
VD0821SBS01

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

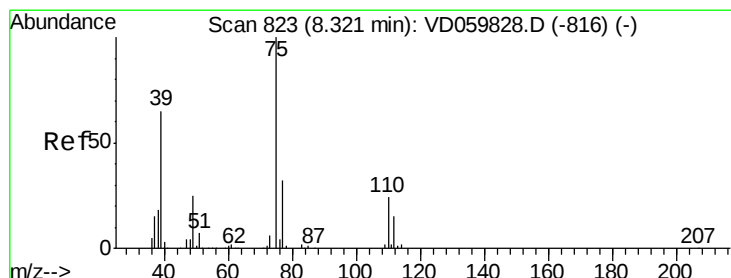
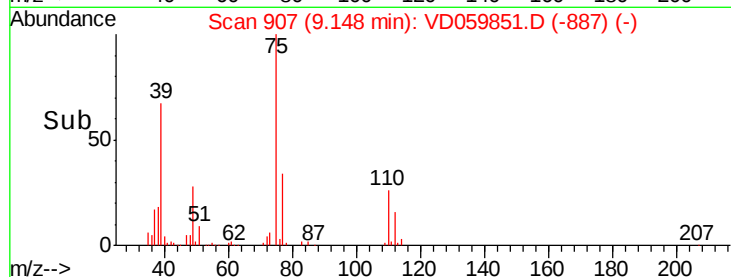
9.15

100000

50000

0

Time--> 9.00 9.10 9.20 9.30



#54

cis-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 8.32 min Scan# 823

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

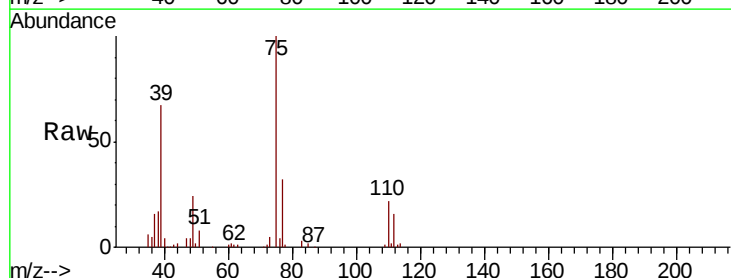
Tgt Ion: 75 Resp: 295166

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 66.7 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

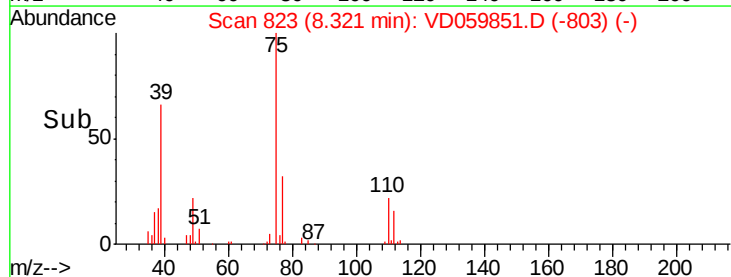
150000

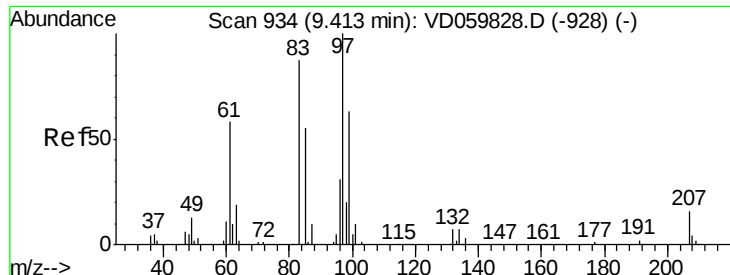
100000

50000

0

Time--> 8.20 8.30 8.40 8.50





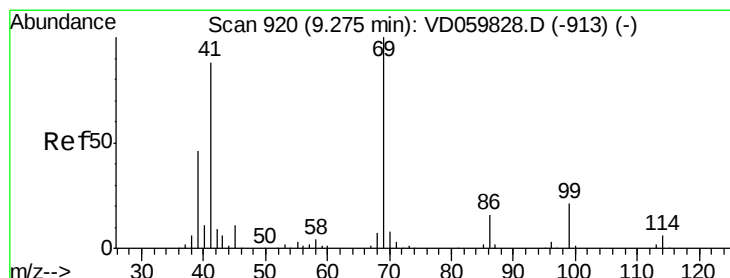
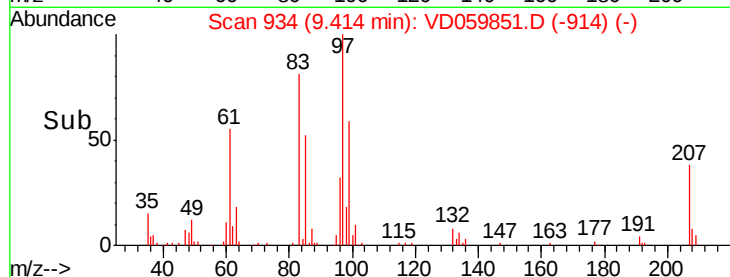
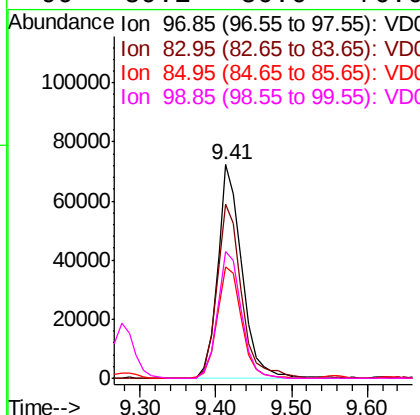
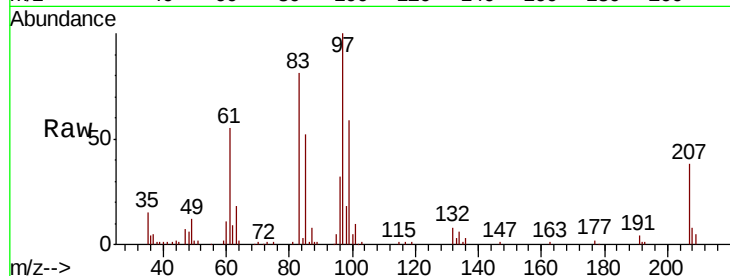
#55
 1,1,2-Trichloroethane
 Concen: 20.77 ug/l
 RT: 9.41 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:	97	Resp:	160204
Ion	Ratio	Lower	Upper
97	100		
83	81.2	69.2	103.8
85	52.2	44.3	66.5
99	59.1	50.6	76.0

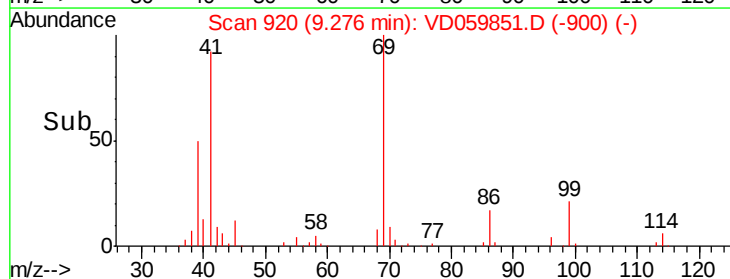
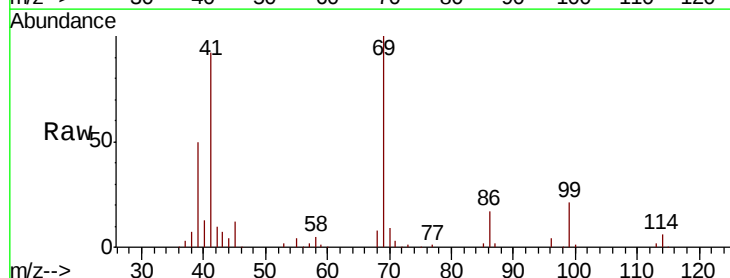
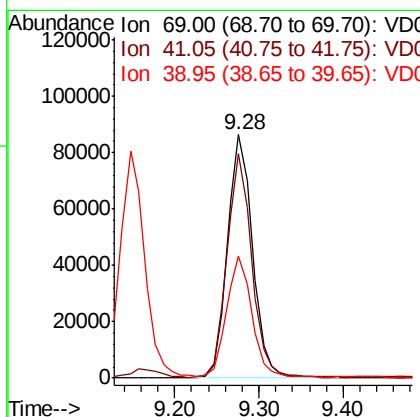
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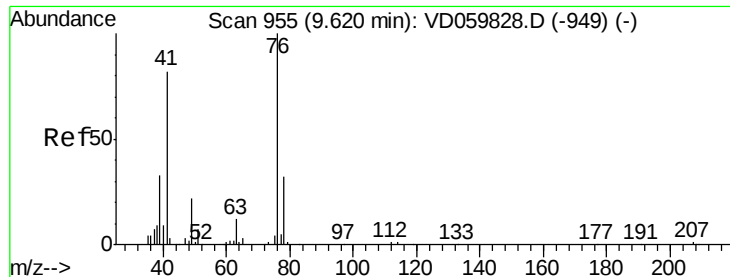
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#56
 Ethyl methacrylate
 Concen: 20.10 ug/l
 RT: 9.28 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion:	69	Resp:	178849
Ion	Ratio	Lower	Upper
69	100		
41	92.1	71.0	106.4
39	50.0	38.0	57.0





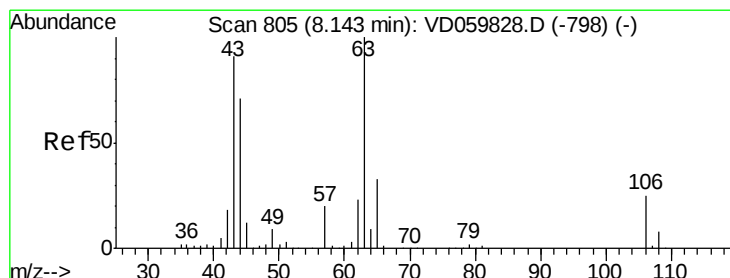
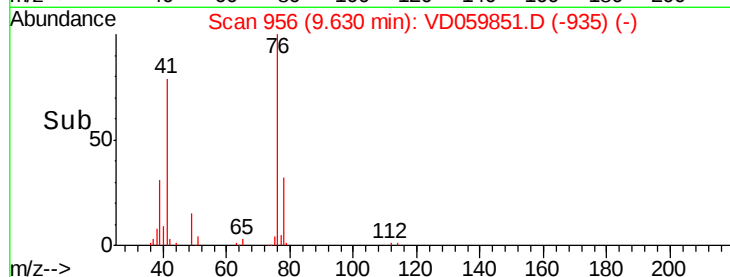
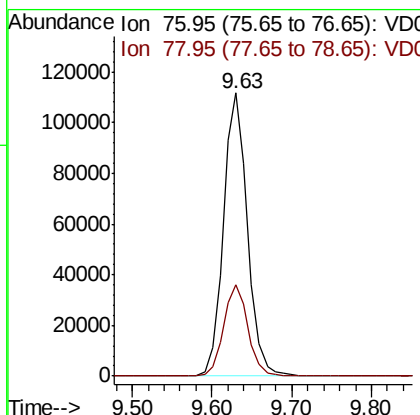
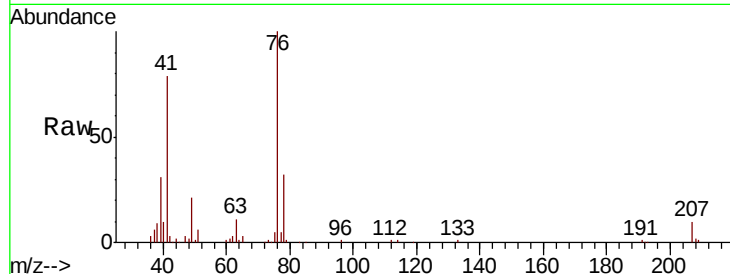
#57
 1,3-Dichloropropane
 Concen: 20.90 ug/l
 RT: 9.63 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

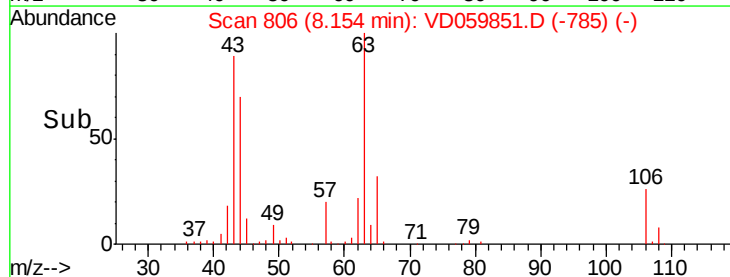
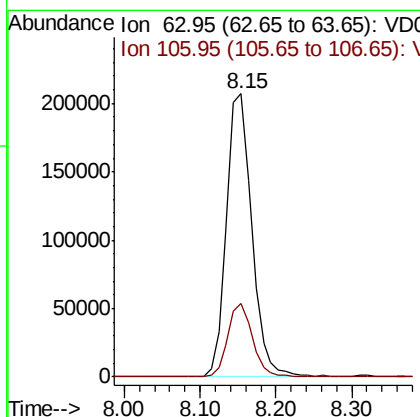
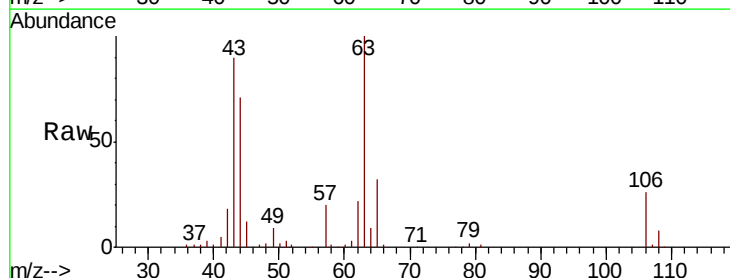
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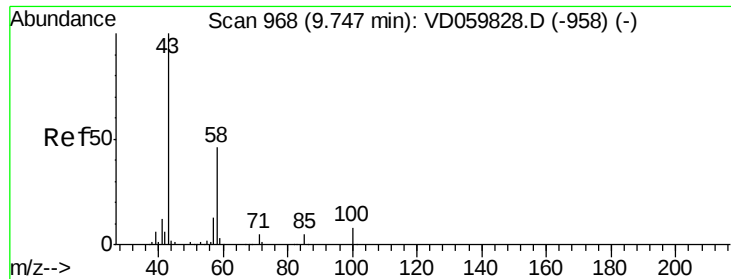
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.81 ug/l
 RT: 8.15 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	19.6	29.4





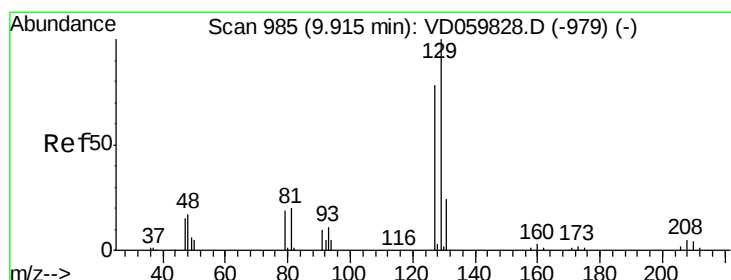
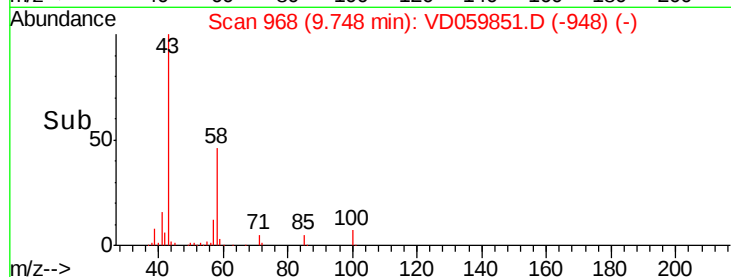
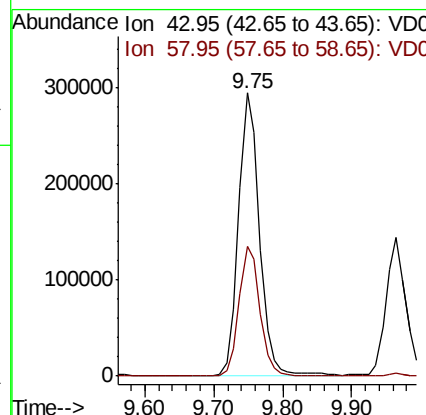
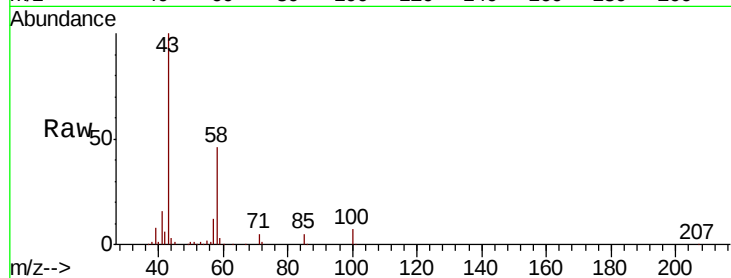
#59
2-Hexanone
Concen: 93.66 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion: 43 Resp: 619056
Ion Ratio Lower Upper
43 100
58 45.8 23.1 69.2

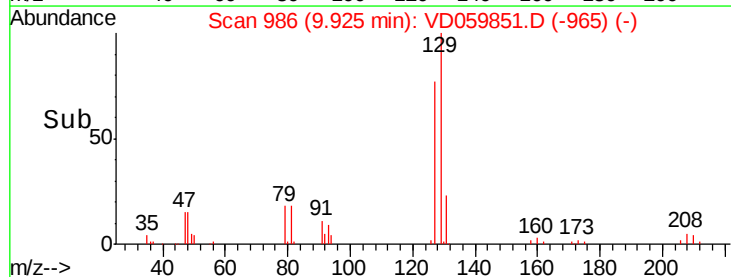
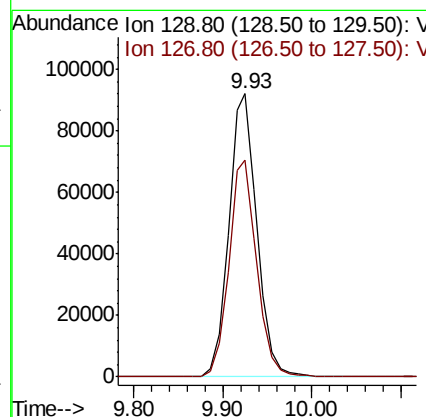
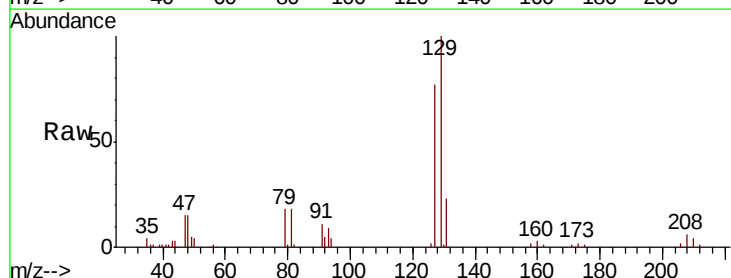
Manual Integrations
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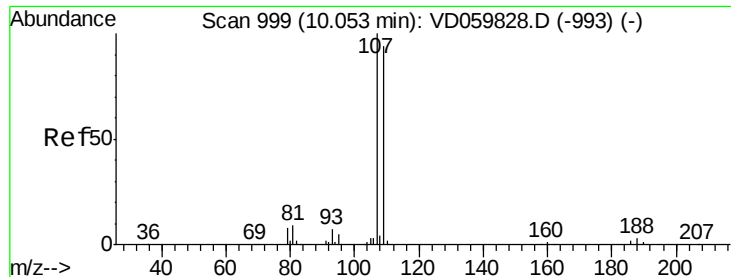
apatel
8/22/2018 12:42:41 PM



#60
Dibromochloromethane
Concen: 20.34 ug/l
RT: 9.93 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion: 129 Resp: 202097
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





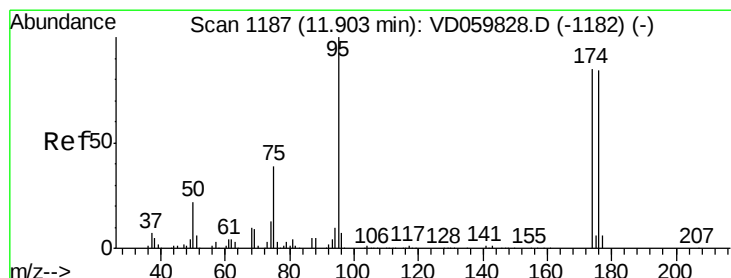
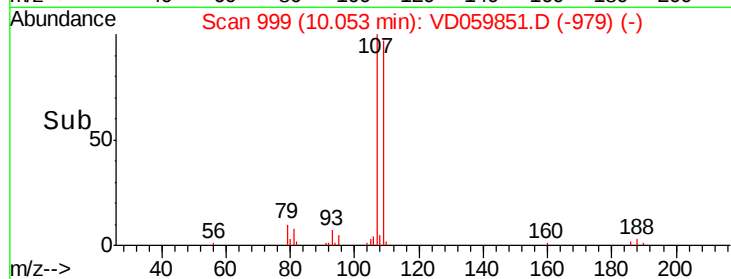
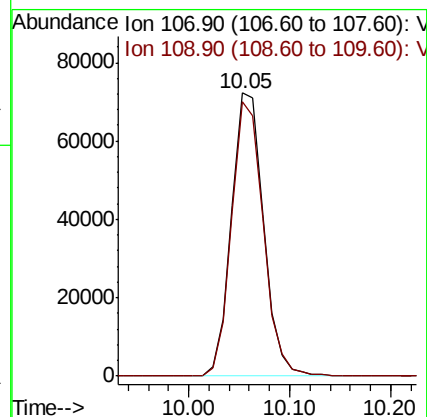
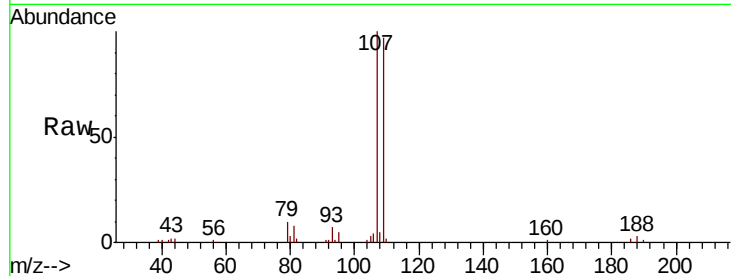
#61
 1,2-Dibromoethane
 Concen: 19.38 ug/l
 RT: 10.05 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.0	75.0	112.6

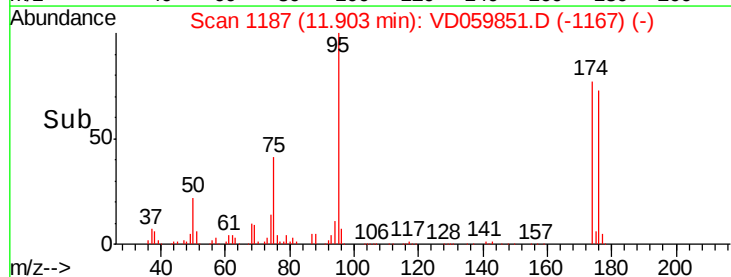
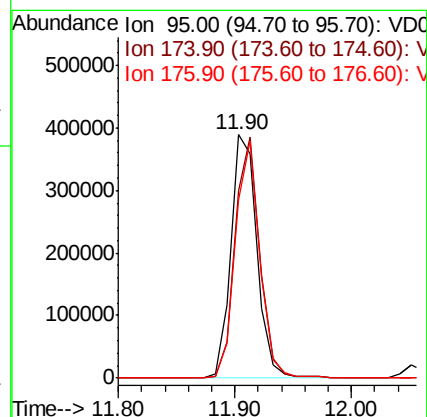
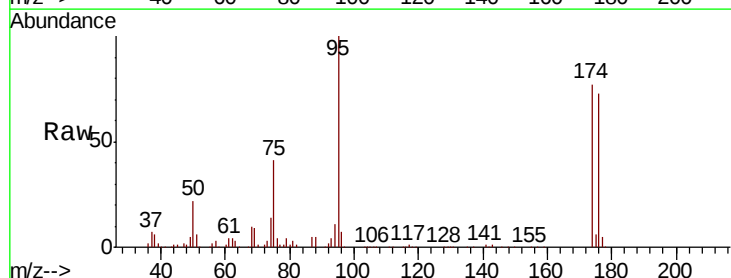
Manual Integrations
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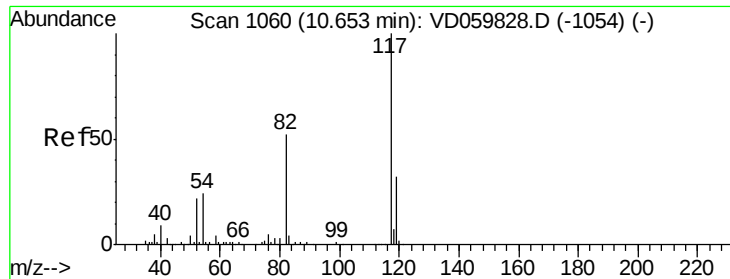
apatel
 8/22/2018 12:42:41 PM



#62
 4-Bromofluorobenzene
 Concen: 19.38 ug/l
 RT: 11.90 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	169.2
176	73.2	0.0	168.0





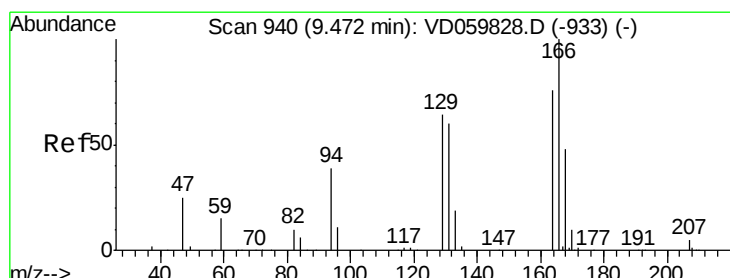
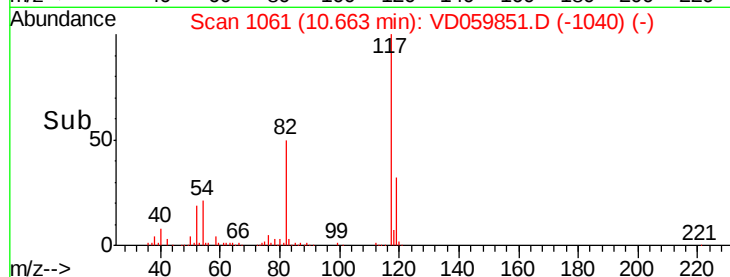
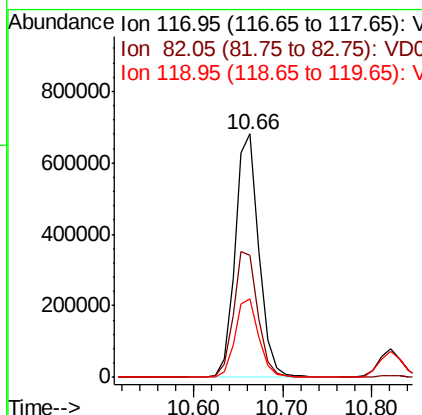
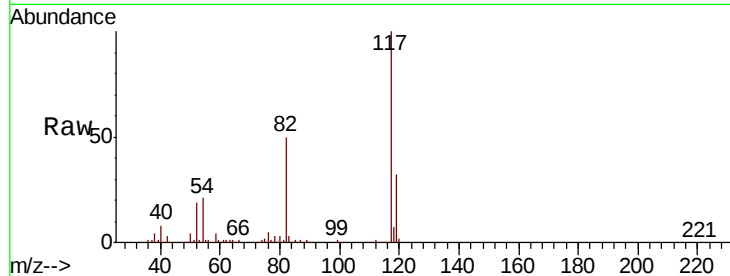
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion:117 Resp: 1266007
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 32.4 25.6 38.4

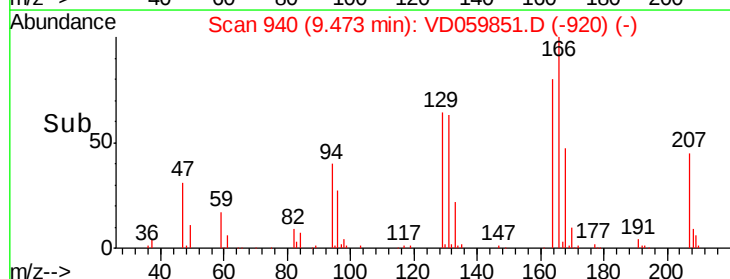
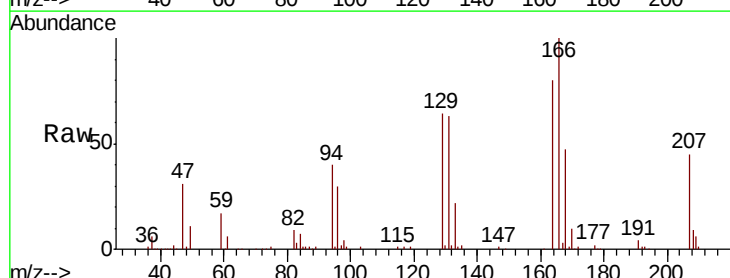
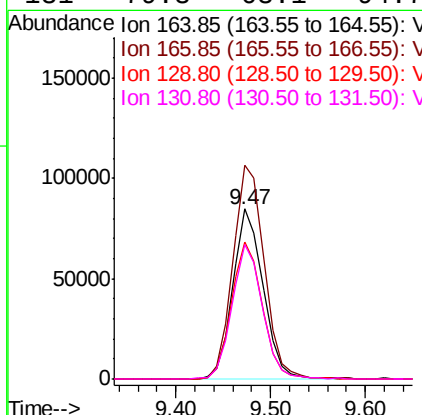
Manual Integrations
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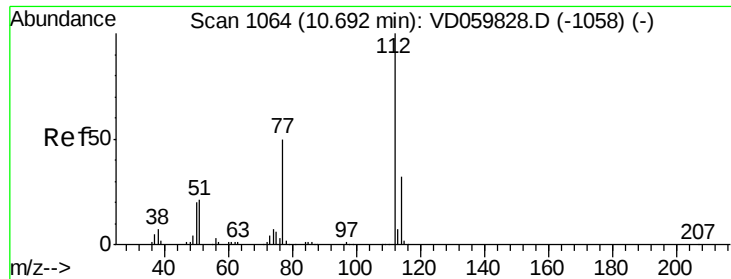
apatel
8/22/2018 12:42:41 PM



#64
Tetrachloroethene
Concen: 20.27 ug/l
RT: 9.47 min Scan# 940
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion:164 Resp: 187884
Ion Ratio Lower Upper
164 100
166 125.5 104.9 157.3
129 80.2 66.7 100.1
131 79.3 63.1 94.7





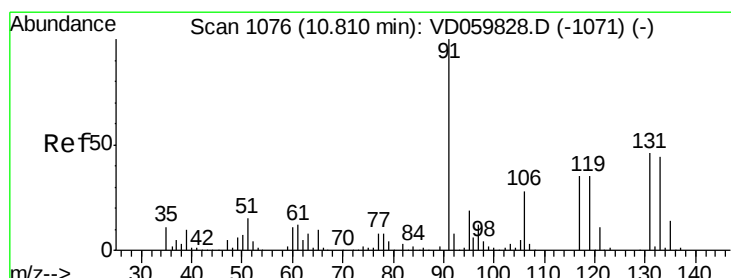
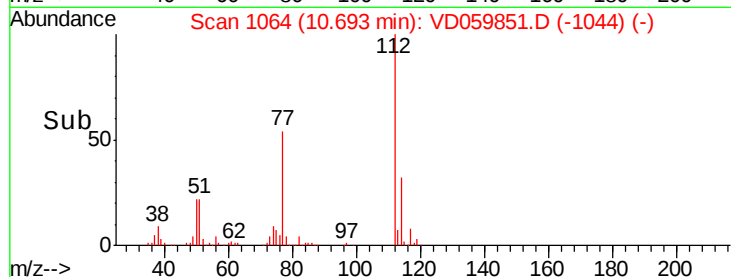
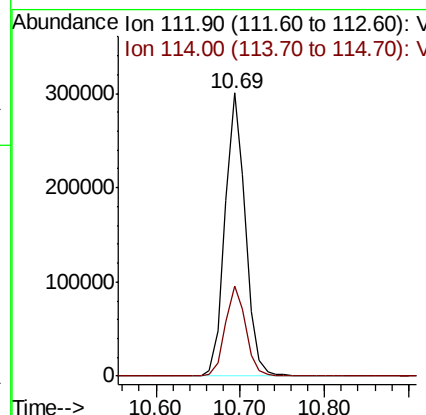
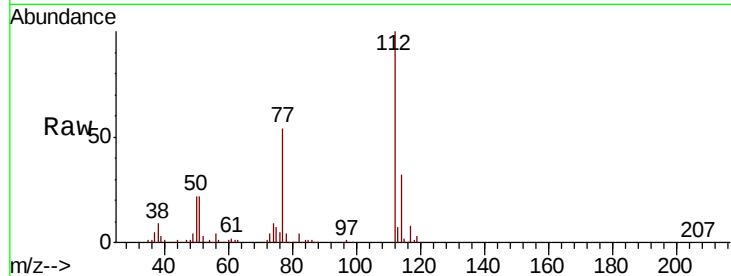
#65
Chlorobenzene
Concen: 20.62 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion:112 Resp: 503520
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5

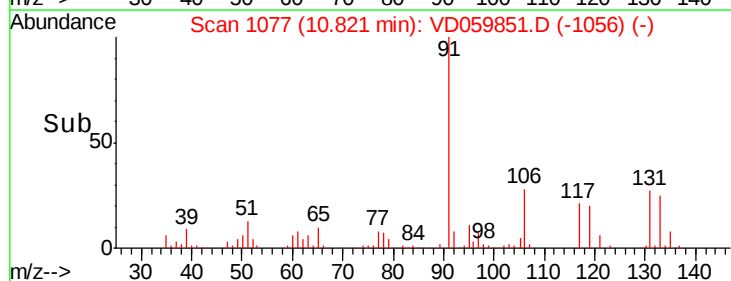
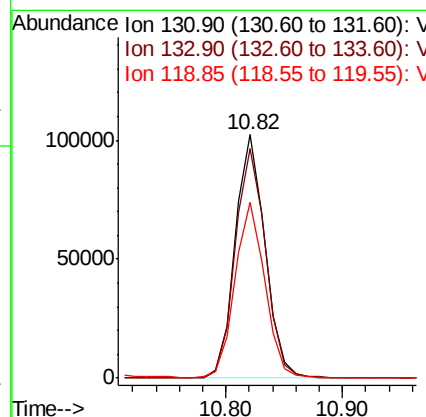
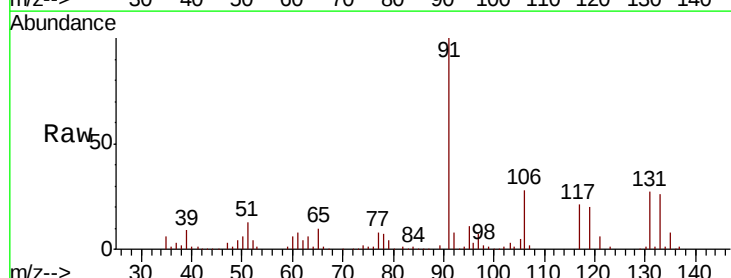
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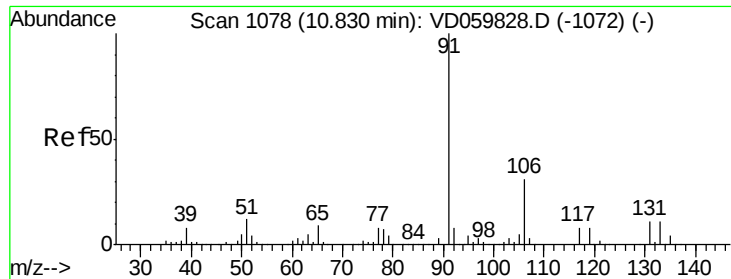
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.78 ug/l
RT: 10.82 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion:131 Resp: 181488
Ion Ratio Lower Upper
131 100
133 94.3 47.1 141.4
119 72.0 37.5 112.7





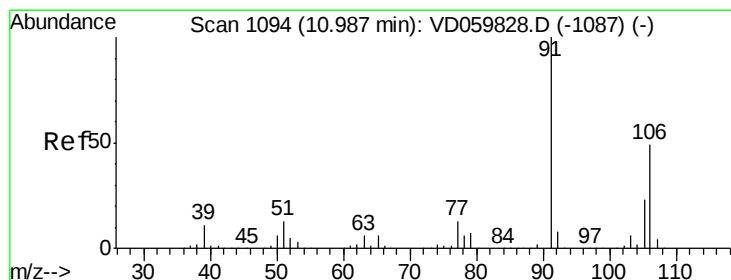
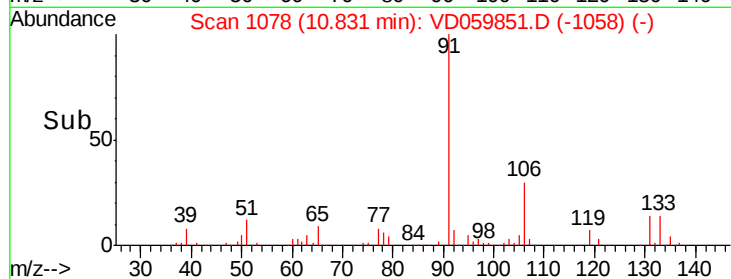
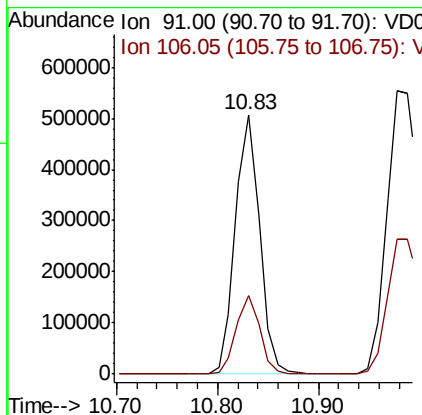
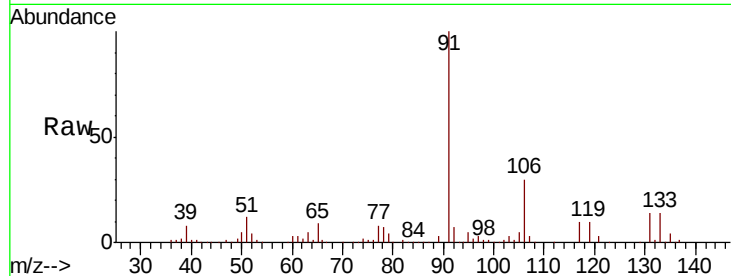
#67
Ethyl Benzene
Concen: 19.54 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 91 Resp: 855292
Ion Ratio Lower Upper
91 100
106 30.4 25.1 37.7

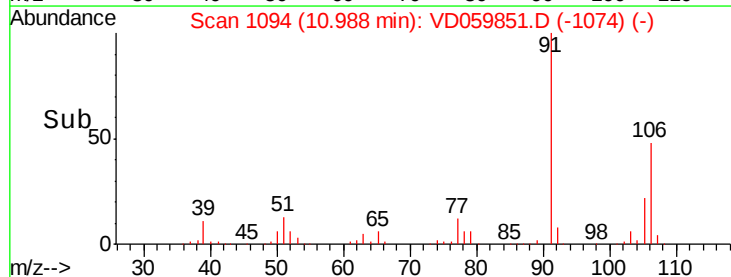
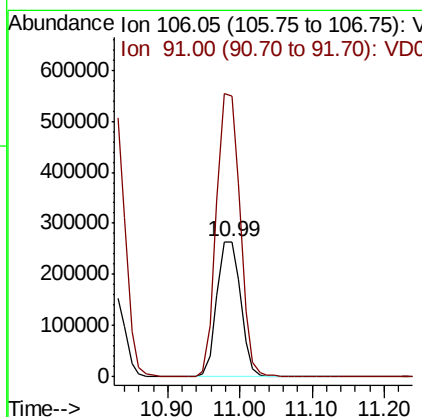
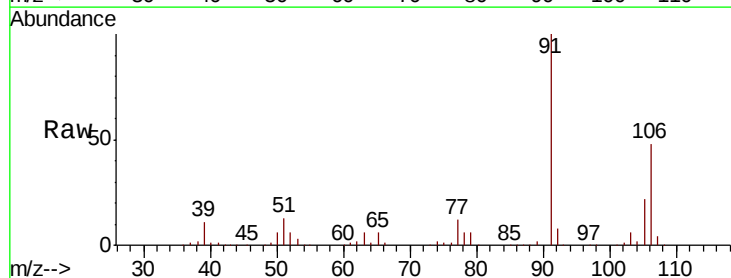
Manual Integrations
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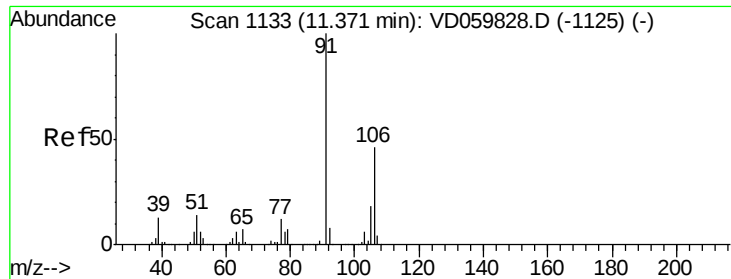
apatel
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#68
m/p-Xylenes
Concen: 37.48 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion: 106 Resp: 602622
Ion Ratio Lower Upper
106 100
91 207.2 161.8 242.8





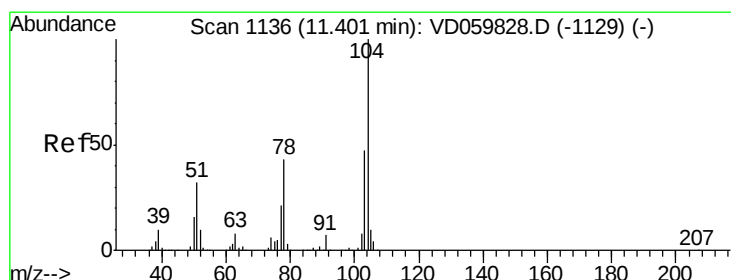
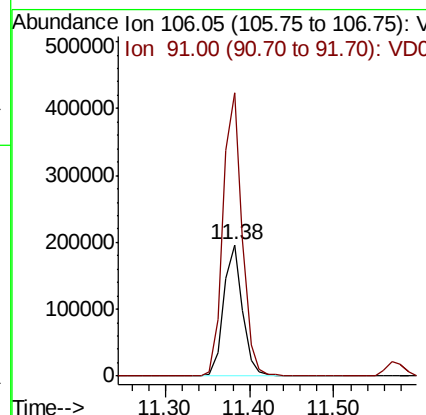
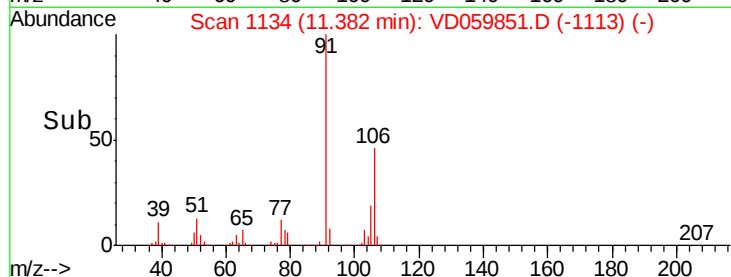
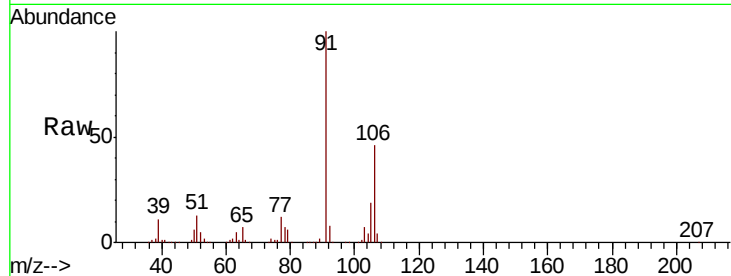
#69
o-Xylene
Concen: 21.52 ug/l
RT: 11.38 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	304512		
91	215.4	108.5	325.3	

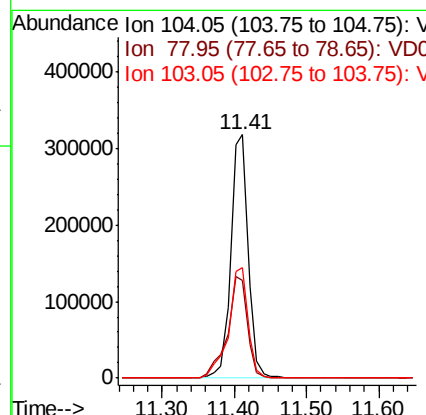
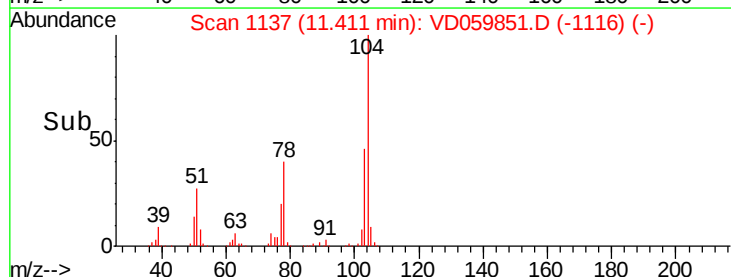
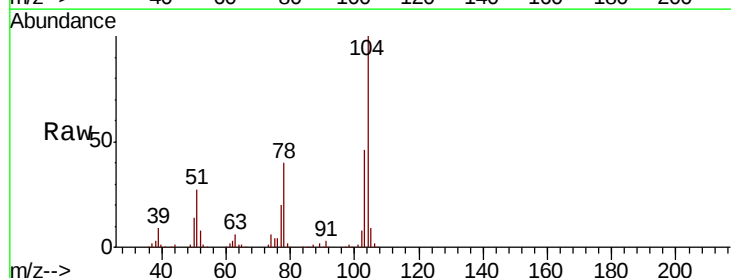
Manual Integrations
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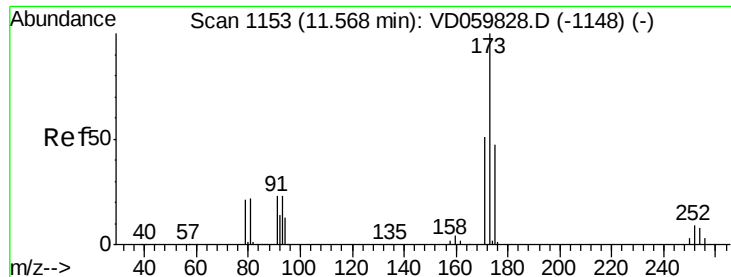
apatel
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#70
Styrene
Concen: 21.43 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	527920		
78	40.2	34.6	52.0	
103	45.6	37.8	56.6	





#71

Bromoform

Concen: 19.36 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:173 Resp: 144957

Ion Ratio Lower Upper

173 100

175 47.6 23.7 71.1

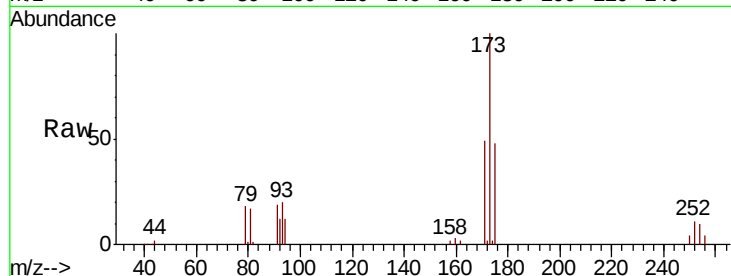
254 9.8 6.7 10.1

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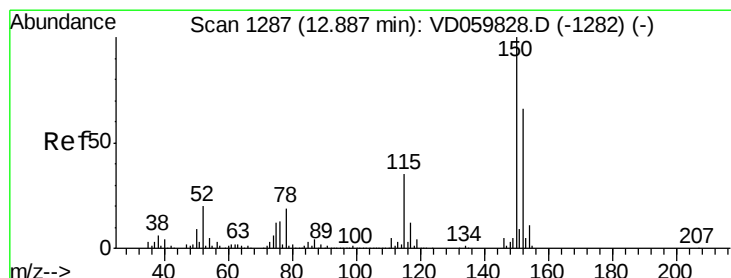
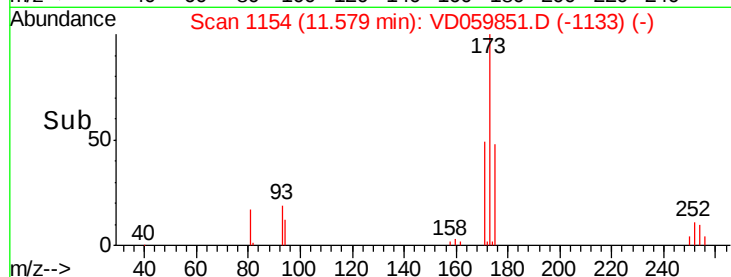
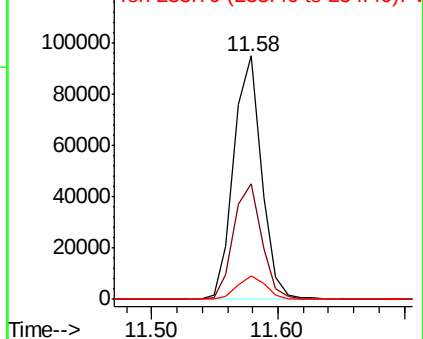
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Abundance Ion 172.80 (172.50 to 173.50): V

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: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

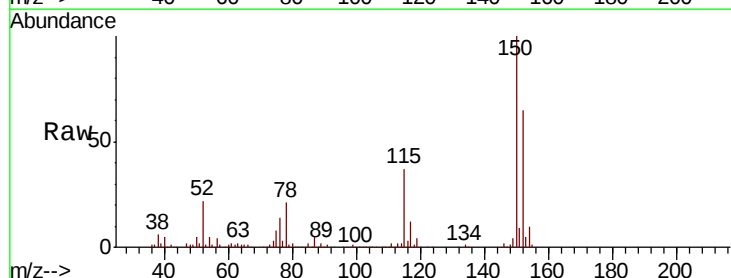
Tgt Ion:152 Resp: 613147

Ion Ratio Lower Upper

152 100

115 56.5 26.9 80.6

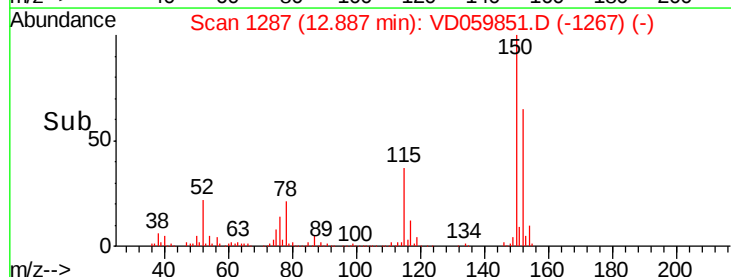
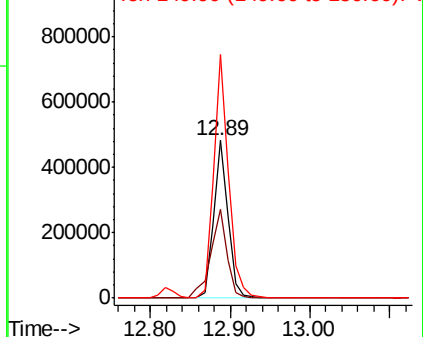
150 154.3 0.0 306.8

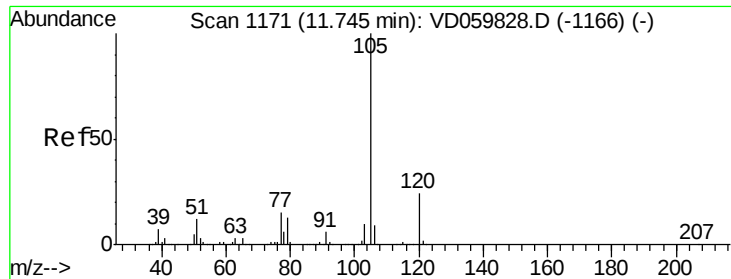


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.85 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 105 Resp: 829383

Ion Ratio Lower Upper

105 100

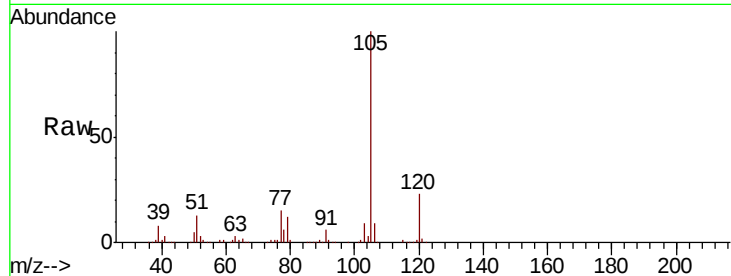
120 22.7 11.9 35.5

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.75

600000

500000

400000

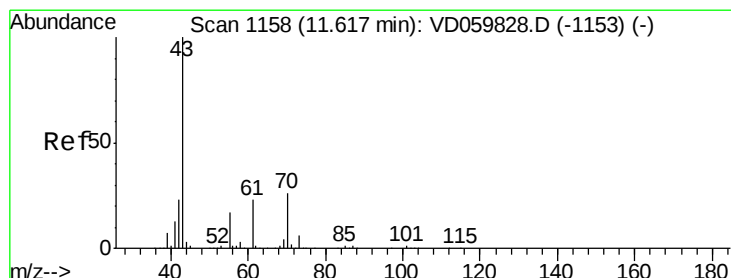
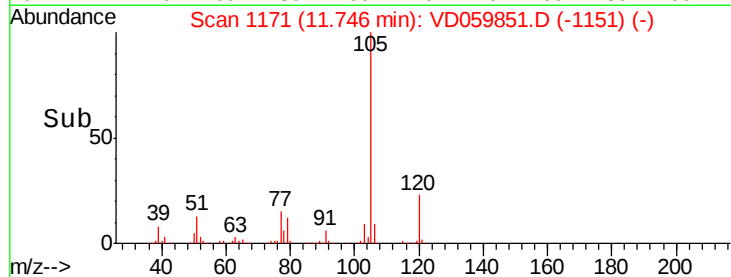
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.73 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion: 43 Resp: 350412

Ion Ratio Lower Upper

43 100

70 24.2 20.5 30.7

55 17.1 13.7 20.5

61 21.1 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

11.62

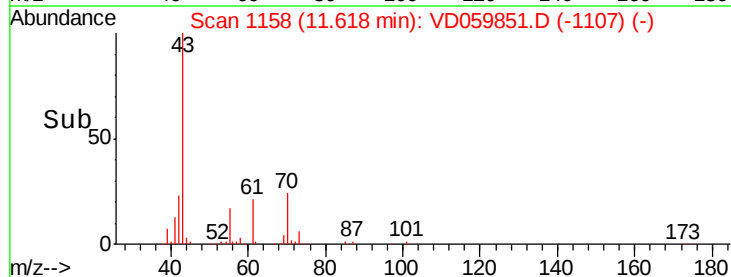
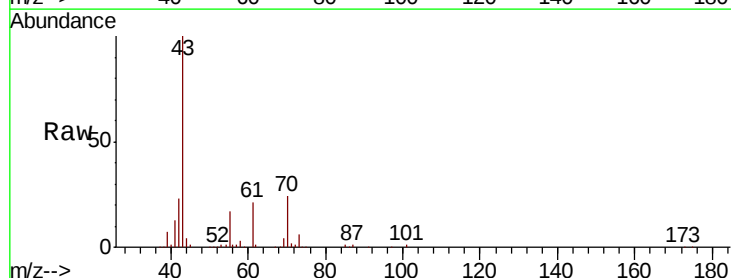
300000

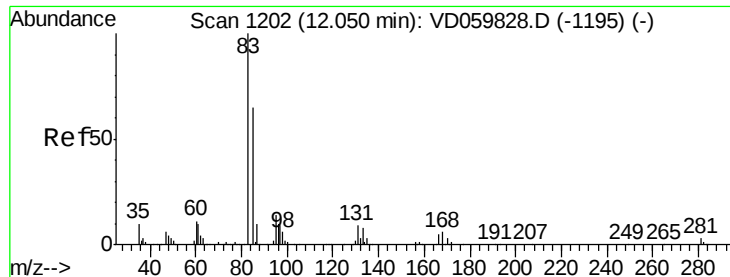
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.31 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

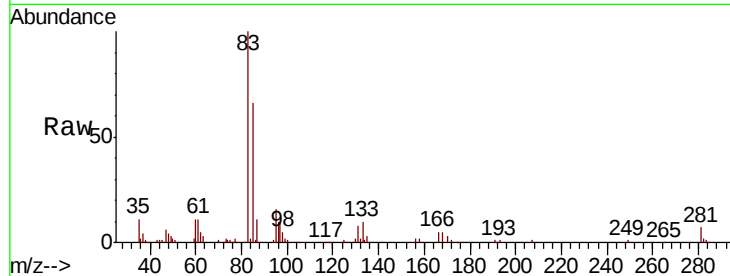
ClientSampleId :

VD0821SBS001

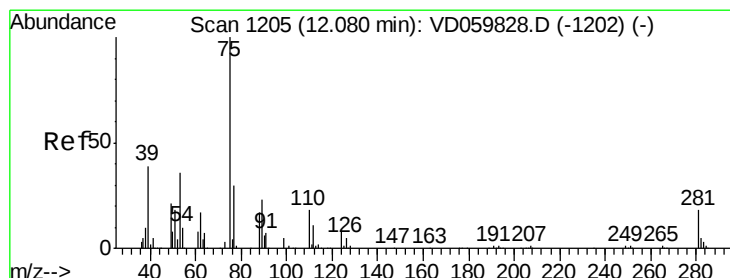
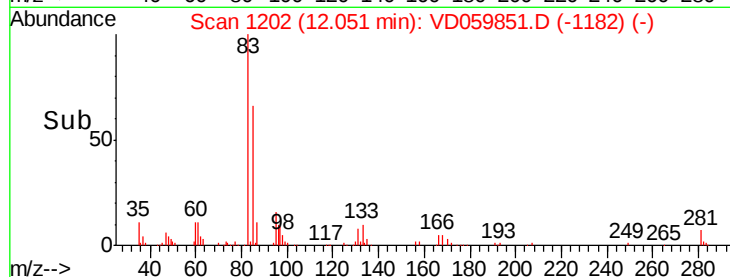
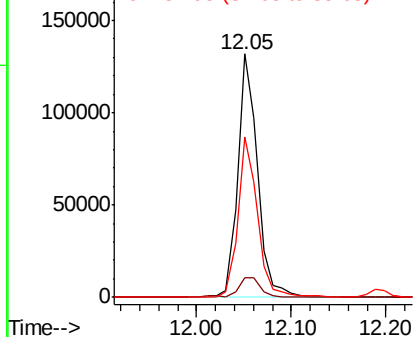
Tot Ion	83	Resp	190223
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.3	13.1
85	65.7	32.5	97.5

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.46 ug/l

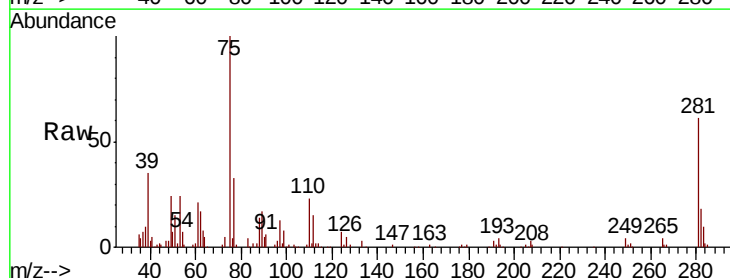
RT: 12.09 min Scan# 1206

Delta R.T. 0.01 min

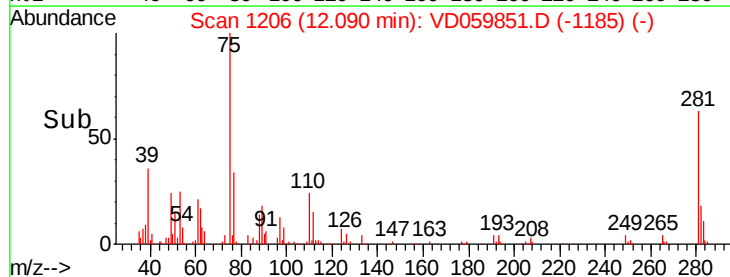
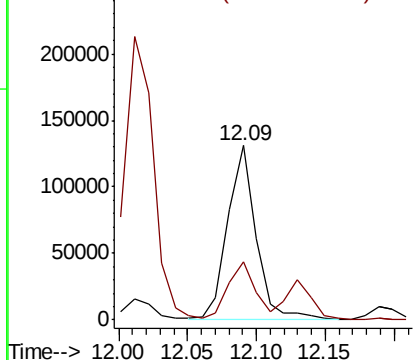
Lab File: VD059851.D

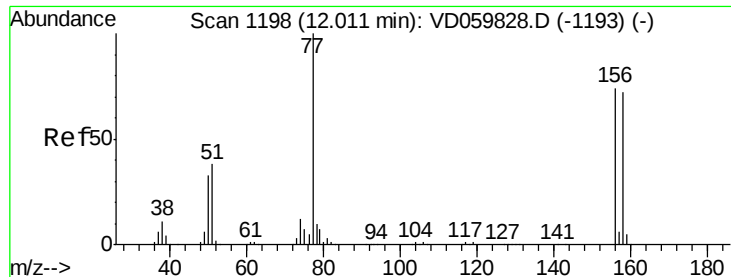
Acq: 21 Aug 2018 13:04

Tgt Ion	75	Resp	187213
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.0	47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.71 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

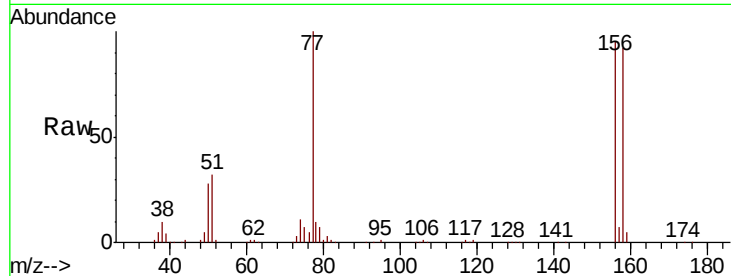
ClientSampleId :

VD0821SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	105.8	68.0	240564	204.0	
158	97.3	48.9		146.8	

Manual Integrations
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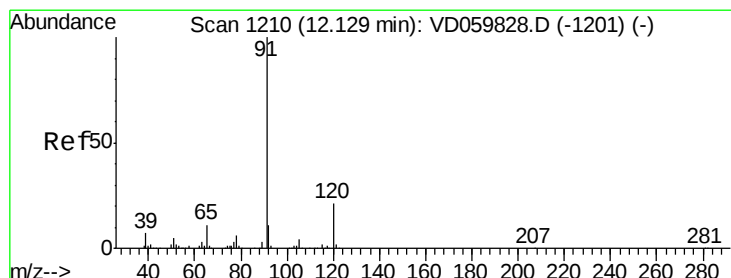
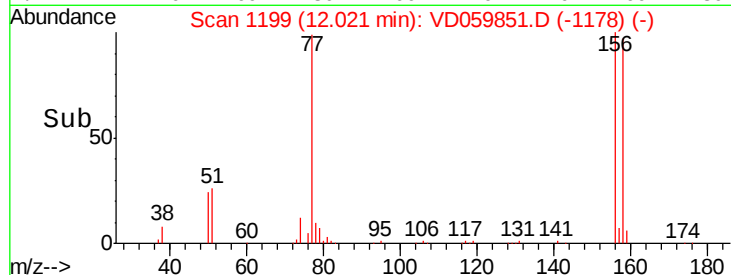
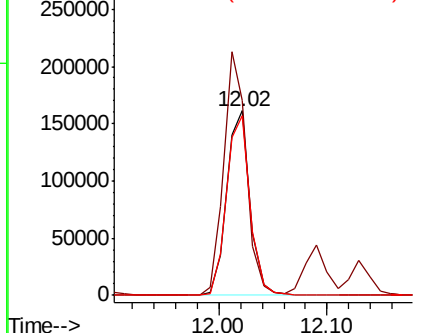
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.19 ug/l

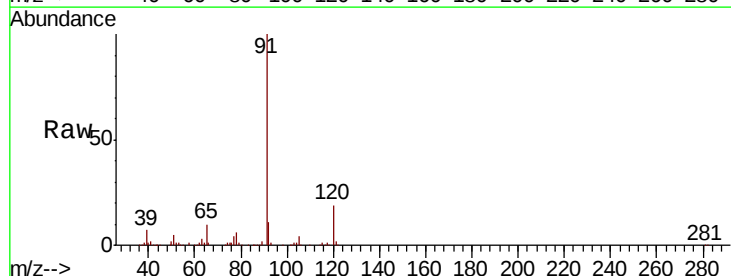
RT: 12.13 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VD059851.D

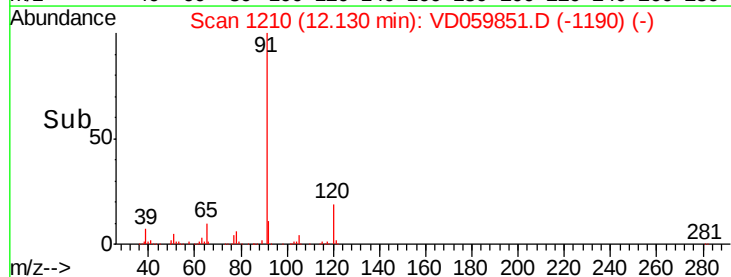
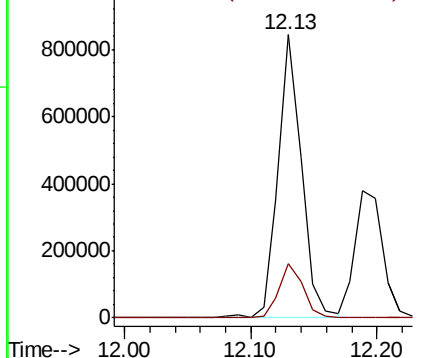
Acq: 21 Aug 2018 13:04

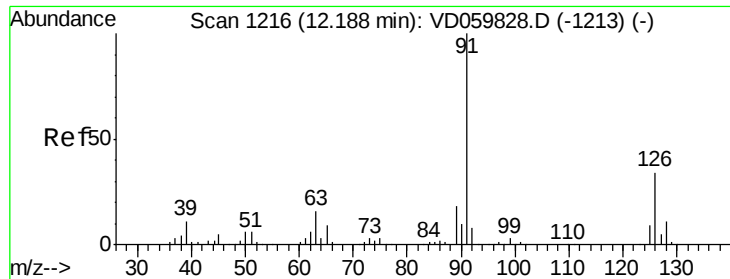
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	19.4	10.5	1099765	31.5	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.19 ug/l

RT: 12.19 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 91 Resp: 573286

Ion Ratio Lower Upper

91 100

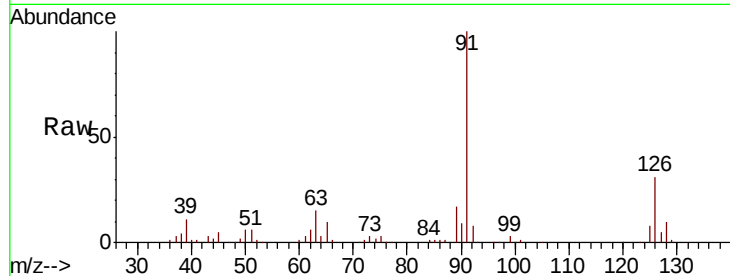
126 31.2 16.6 49.8

Manual Integrations

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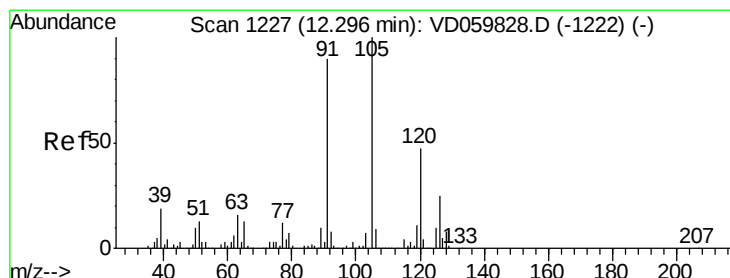
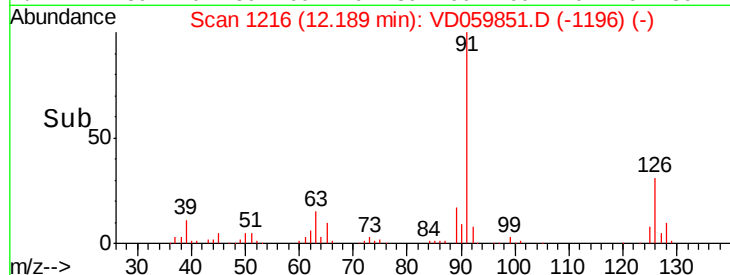
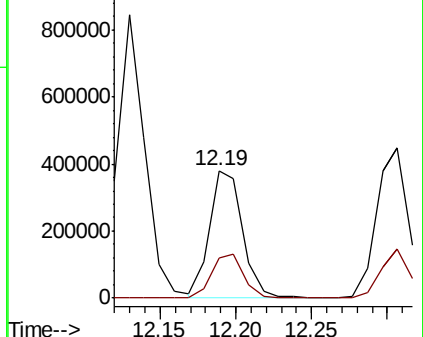
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Abundance Ion 91.00 (90.70 to 91.70): VD059851.D (-1196) (-)

Ion 125.95 (125.65 to 126.65): VD059851.D (-1196) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.16 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VD059851.D

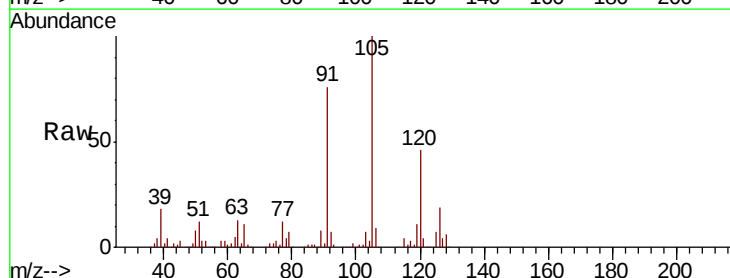
Acq: 21 Aug 2018 13:04

Tgt Ion:105 Resp: 659000

Ion Ratio Lower Upper

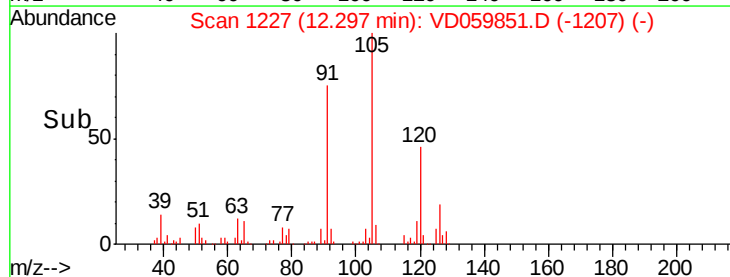
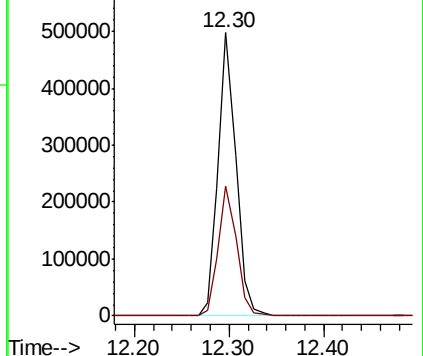
105 100

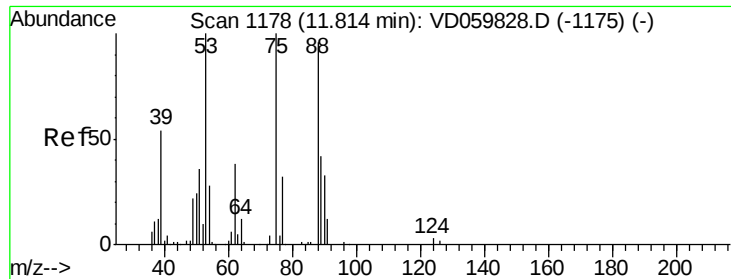
120 46.1 23.5 70.6



Abundance Ion 105.05 (104.75 to 105.75): VD059851.D (-1207) (-)

Ion 120.05 (119.75 to 120.75): VD059851.D (-1207) (-)





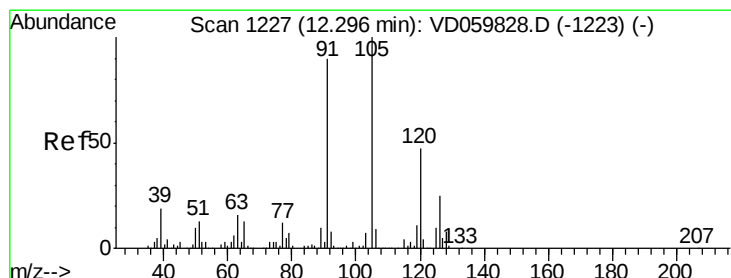
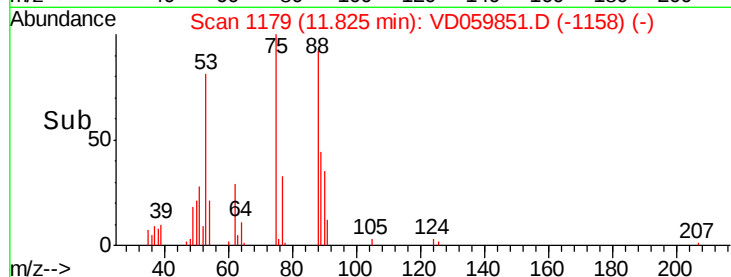
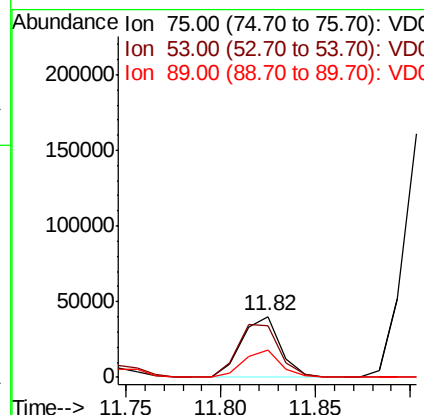
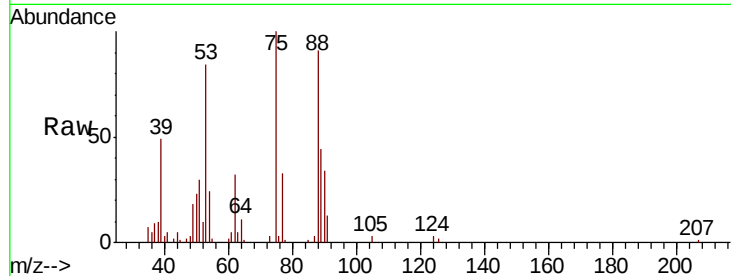
#81
trans-1,4-Dichloro-2-butene
Concen: 18.15 ug/l
RT: 11.82 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.4	80.7	121.1
89	43.7	33.9	50.9

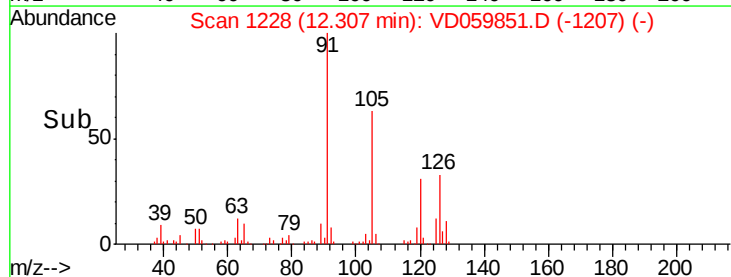
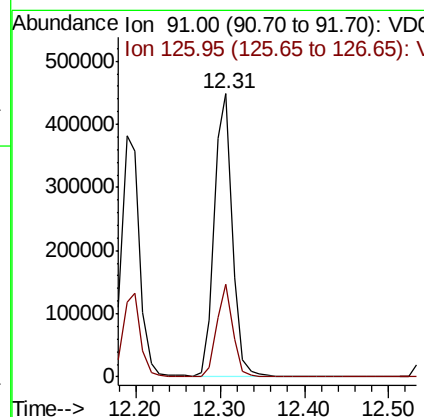
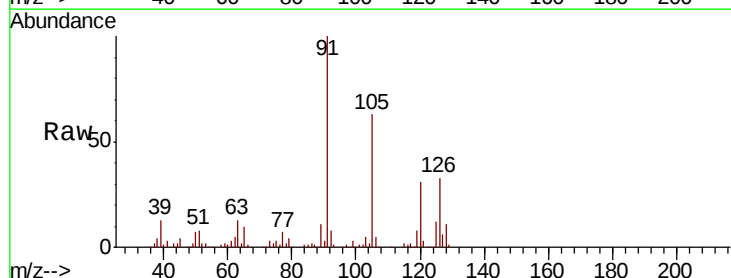
Manual Integrations
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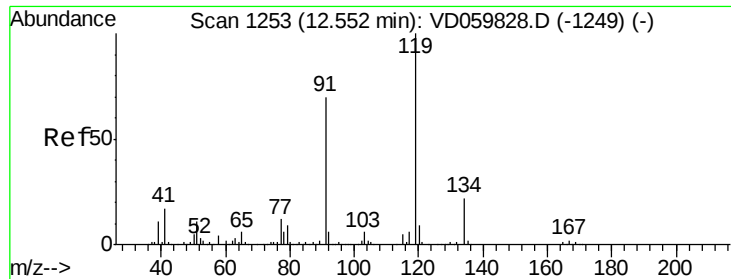
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#82
4-Chlorotoluene
Concen: 19.38 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	13.7	41.0





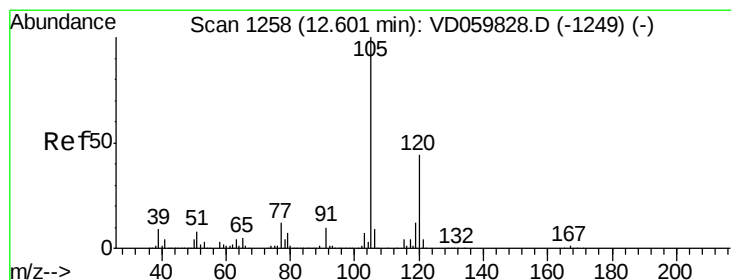
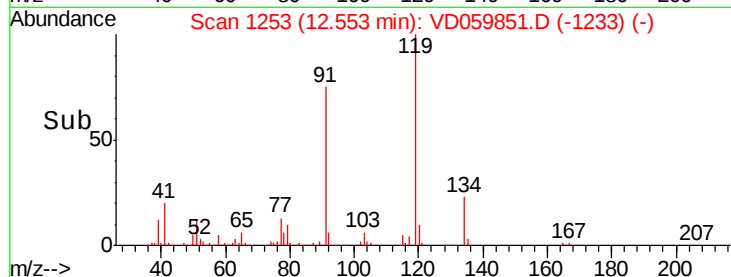
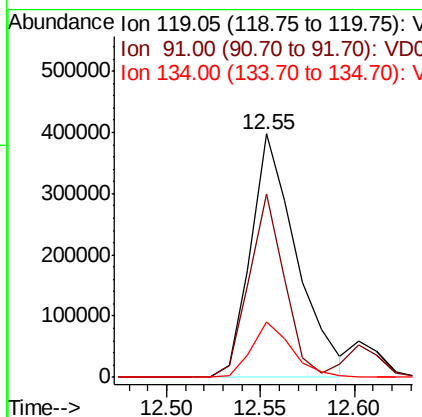
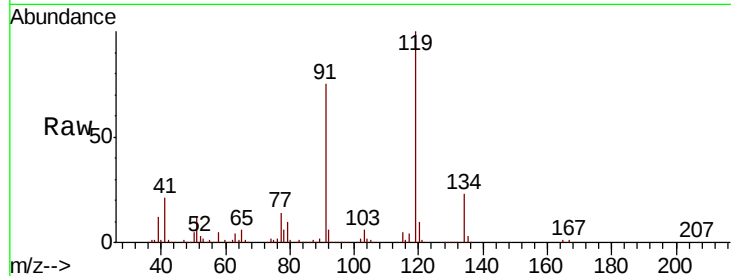
#83
tert-Butylbenzene
Concen: 20.55 ug/l m
RT: 12.55 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.4	35.1	105.3
134	23.0	11.0	33.0

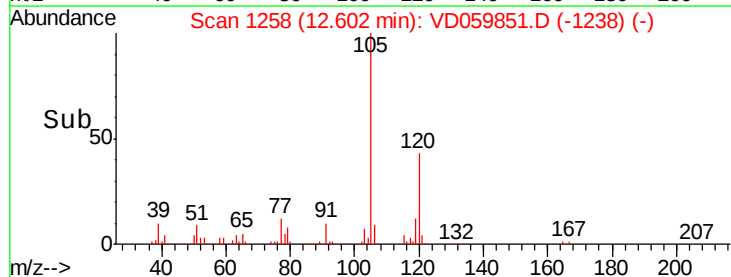
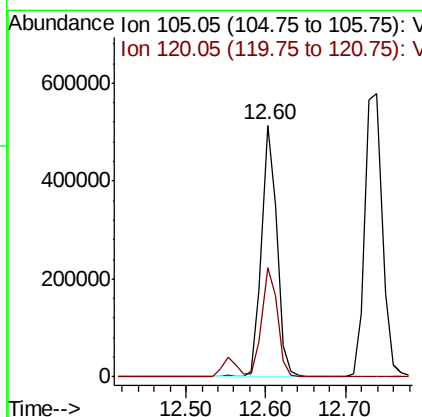
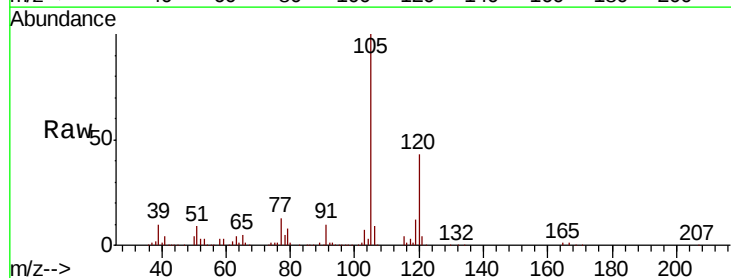
Manual Integrations
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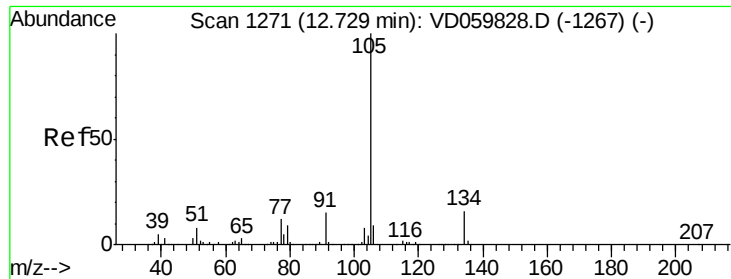
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 19.73 ug/l
RT: 12.60 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.0	66.0





#85

sec-Butylbenzene

Concen: 20.07 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:105 Resp: 877384

Ion Ratio Lower Upper

105 100

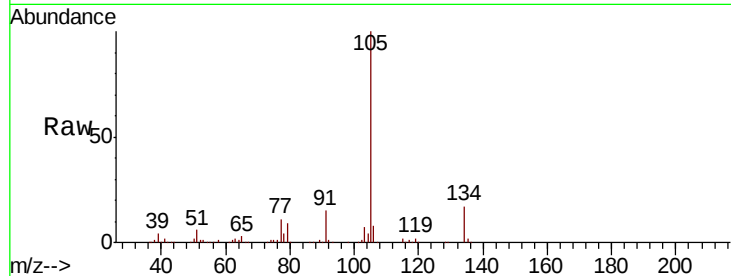
134 17.4 7.8 23.5

Manual Integrations

APPROVED

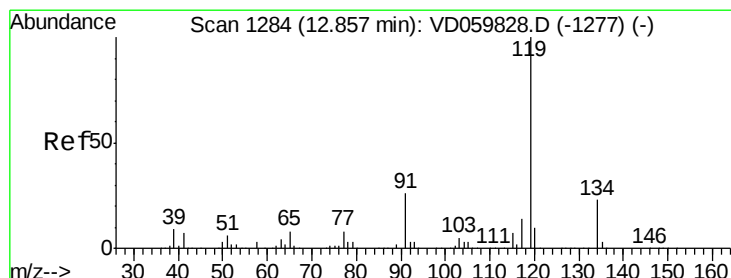
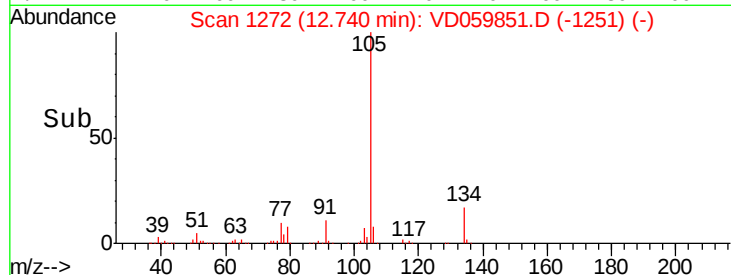
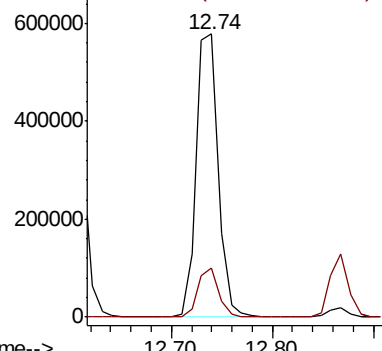
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.05 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

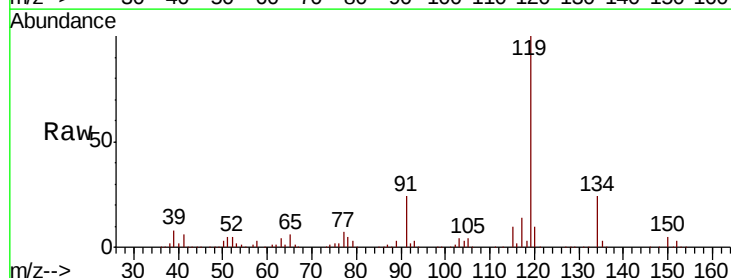
Tgt Ion:119 Resp: 687679

Ion Ratio Lower Upper

119 100

134 24.0 11.5 34.5

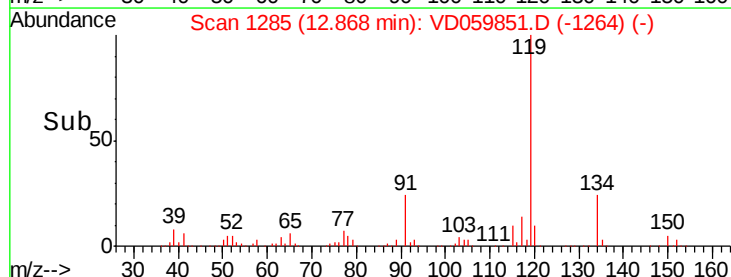
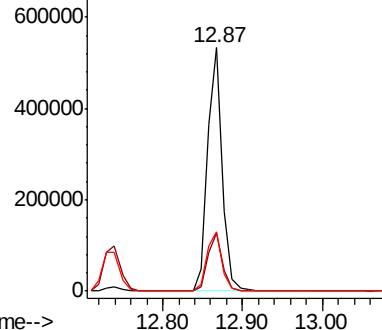
91 24.4 13.2 39.6

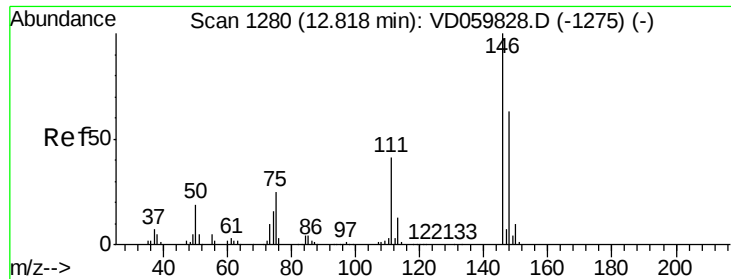


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.08 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

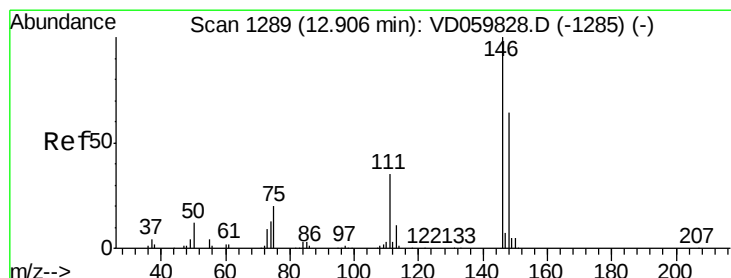
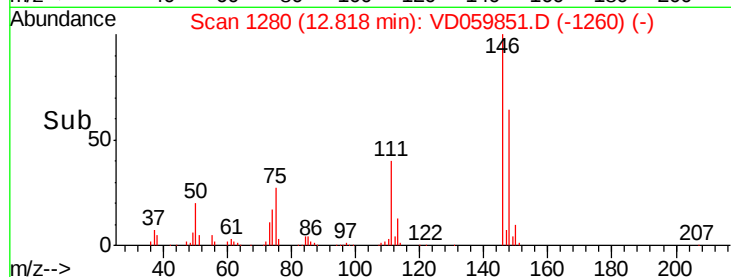
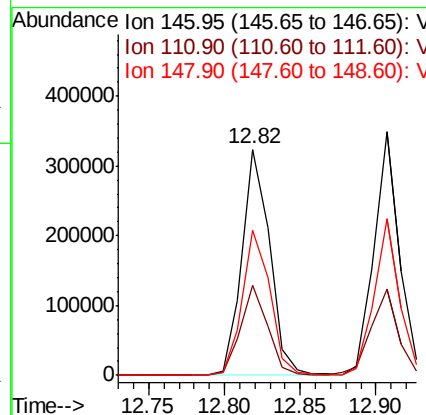
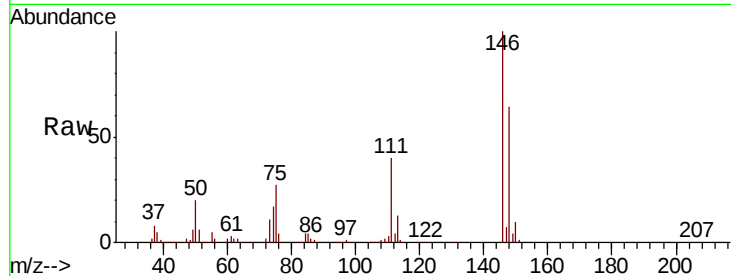
ClientSampleId :

VD0821SBS01

Tot Ion:	146	Resp:	412240
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.3	60.9
148	64.3	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.08 ug/l

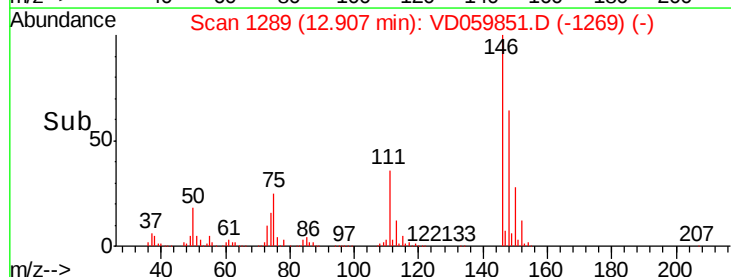
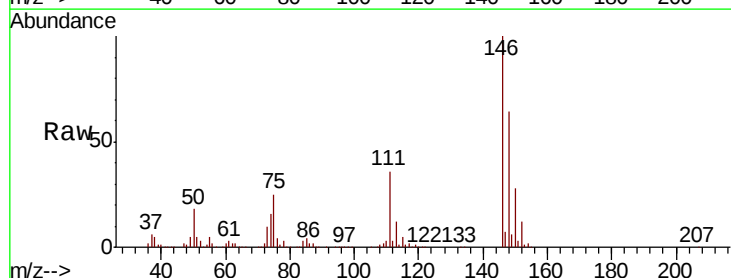
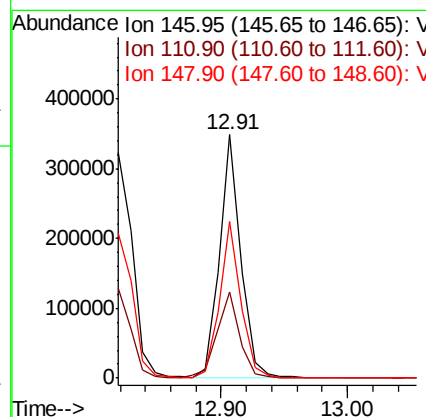
RT: 12.91 min Scan# 1289

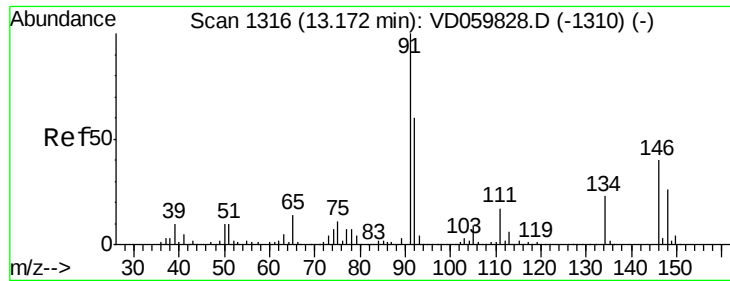
Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion:	146	Resp:	408620
Ion Ratio	Lower	Upper	
146	100		
111	35.6	17.8	53.3
148	64.3	31.9	95.9





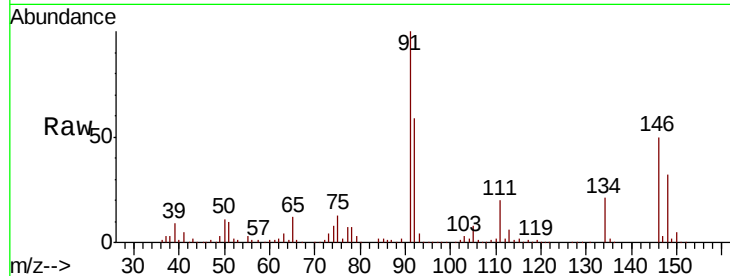
#89
n-Butylbenzene
Concen: 18.77 ug/l
RT: 13.17 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.9	29.8	89.5
134	20.6	11.5	34.4

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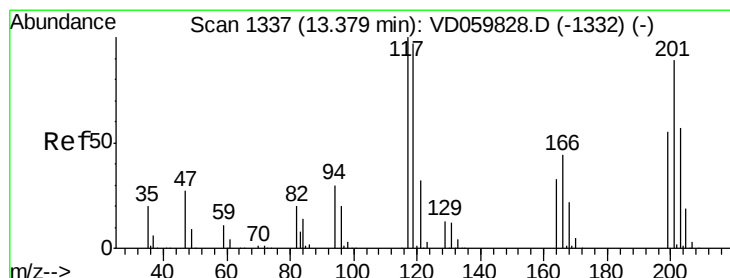
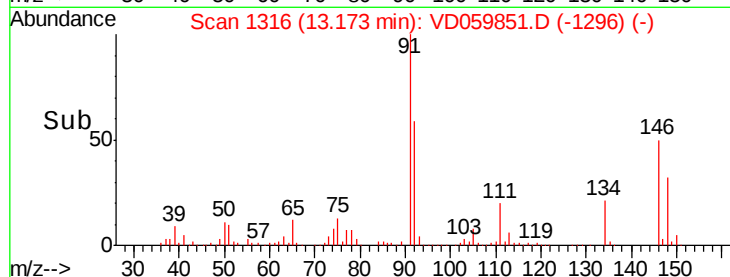
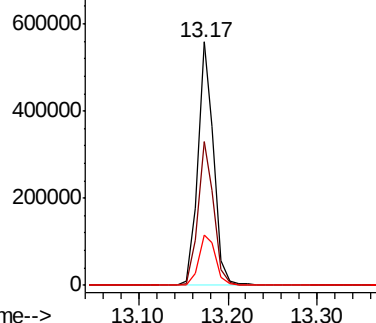


Abundance

Ion 91.00 (90.70 to 91.70): VDC

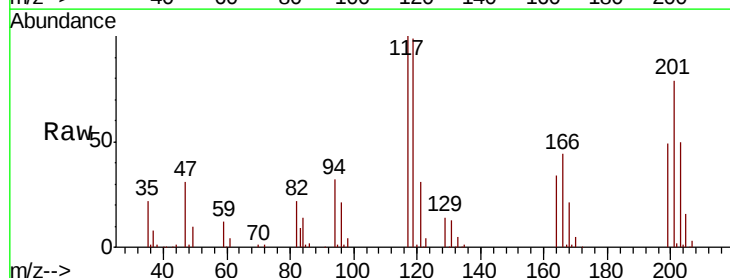
Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90
Hexachloroethane
Concen: 19.09 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

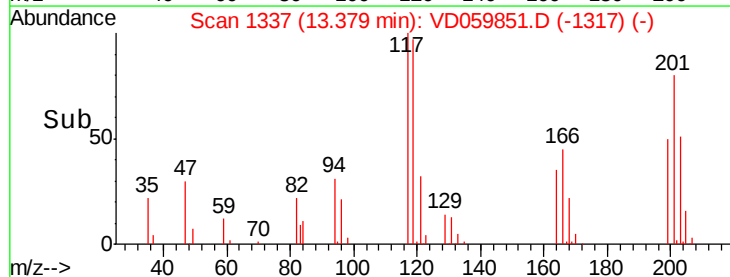
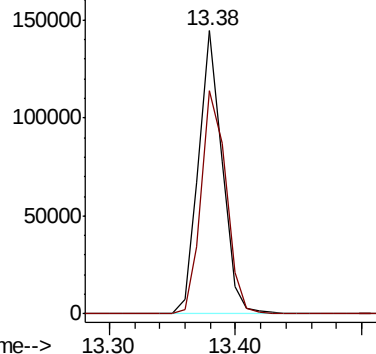
Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	44.6	134.0

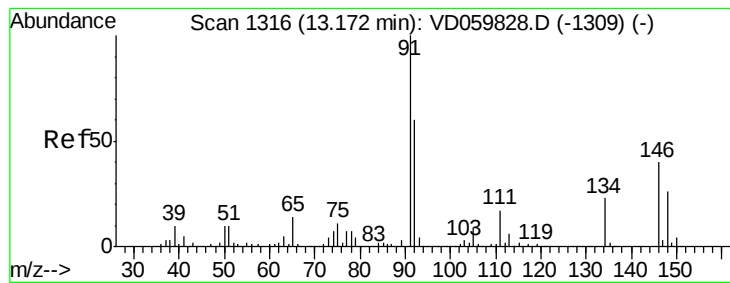


Abundance

Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 20.24 ug/l

RT: 13.17 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

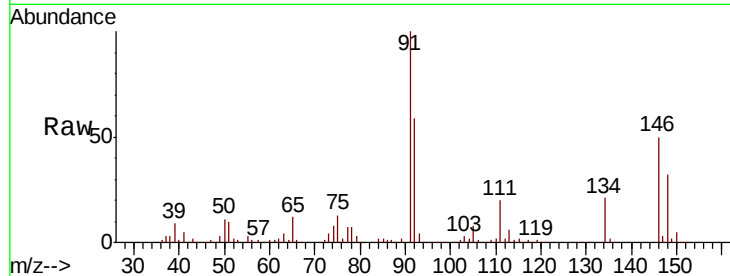
ClientSampleId :

VD0821SBS01

Tot Ion:	146	Resp:	345816
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.9	62.8
148	64.7	31.6	94.8

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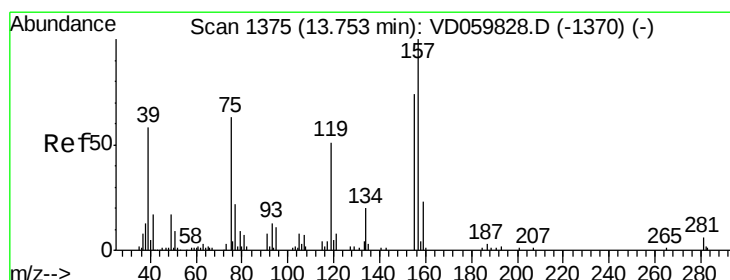
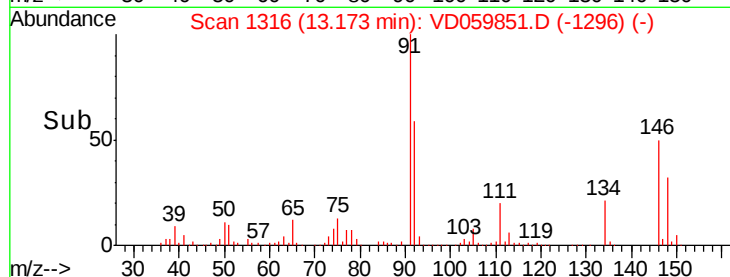
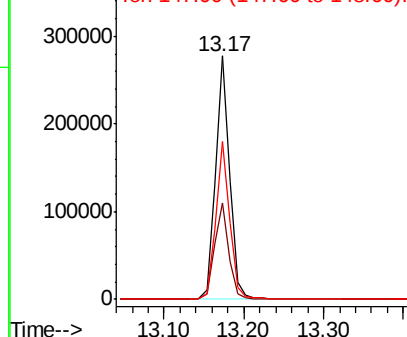


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.05 ug/l

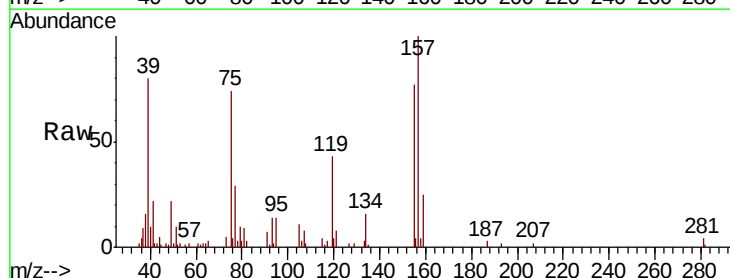
RT: 13.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion:	75	Resp:	24990
Ion Ratio	Lower	Upper	
75	100		
155	104.5	59.1	177.3
157	135.8	79.7	238.9

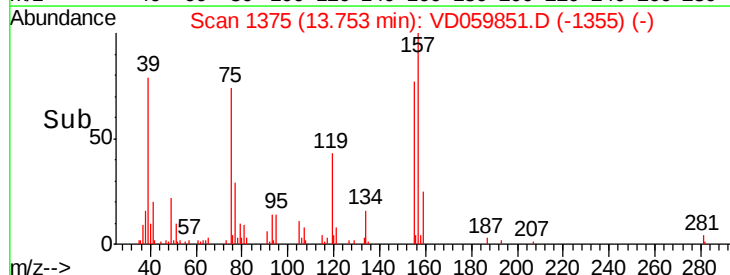
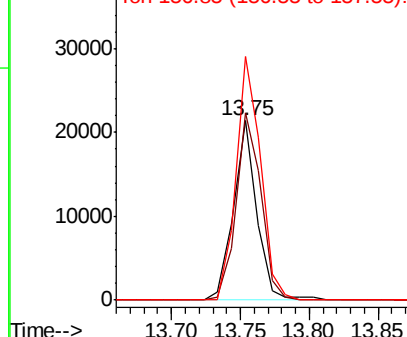


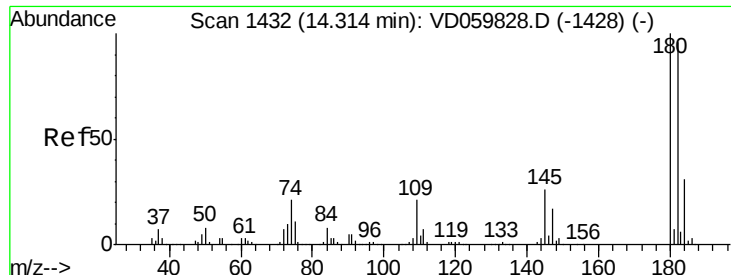
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





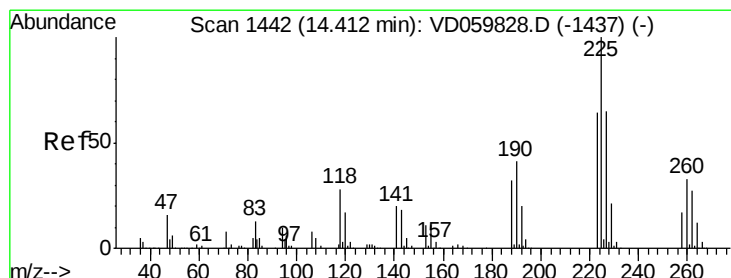
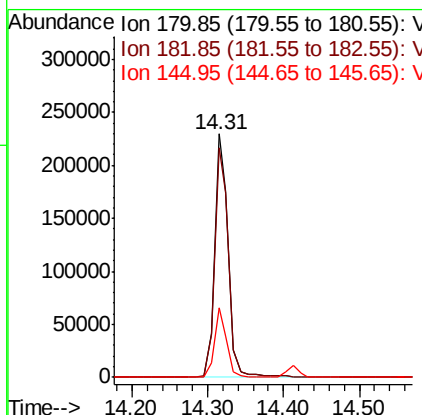
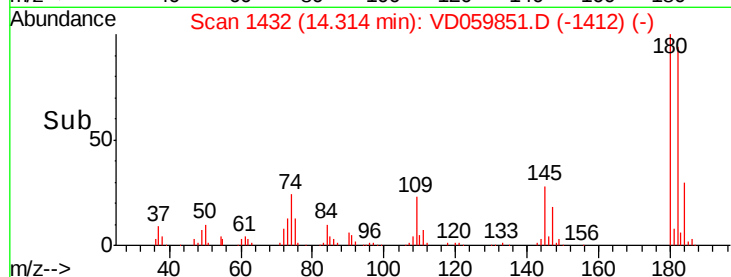
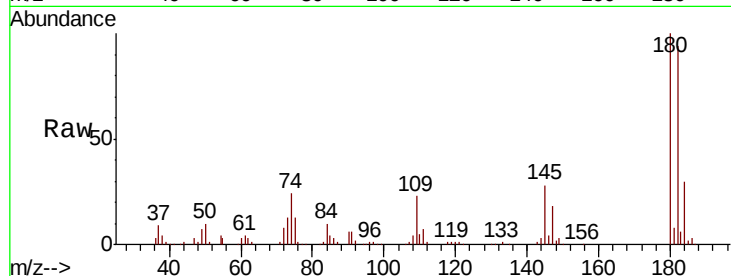
#93
 1,2,4-Trichlorobenzene
 Concen: 20.84 ug/l
 RT: 14.31 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	292525		
182	94.3	48.0	144.0	
145	28.4	13.1	39.1	

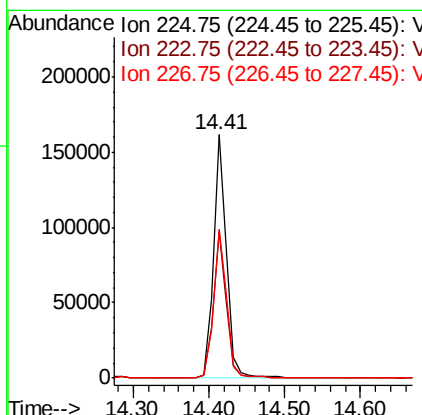
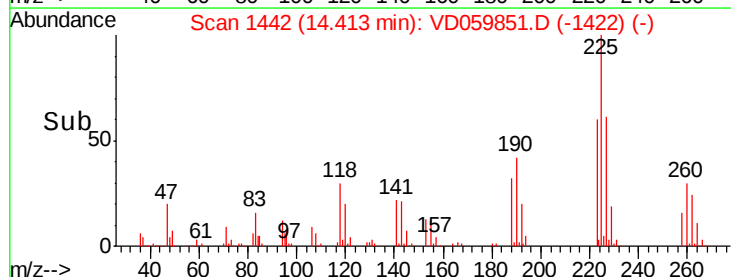
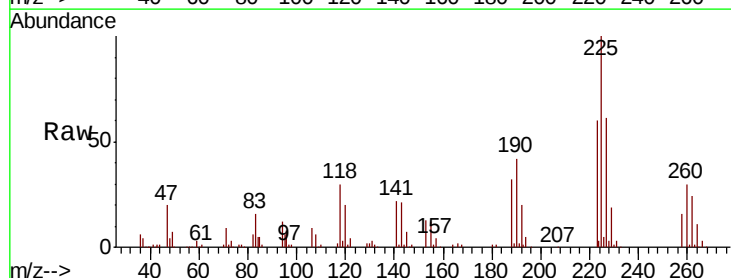
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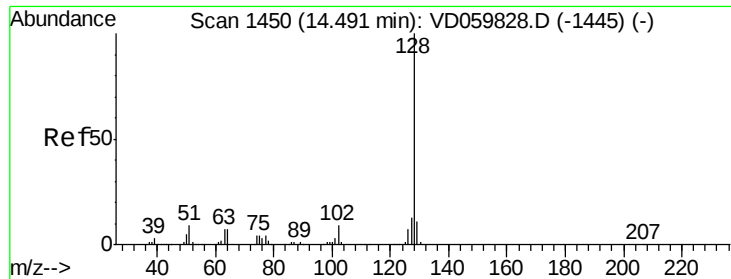
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#94
 Hexachlorobutadiene
 Concen: 21.01 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	198374		
223	60.0	31.8	95.4	
227	61.4	32.8	98.3	





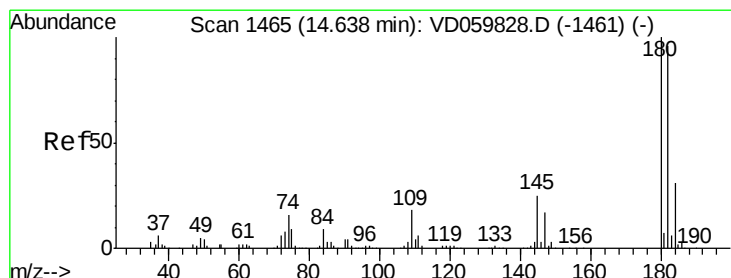
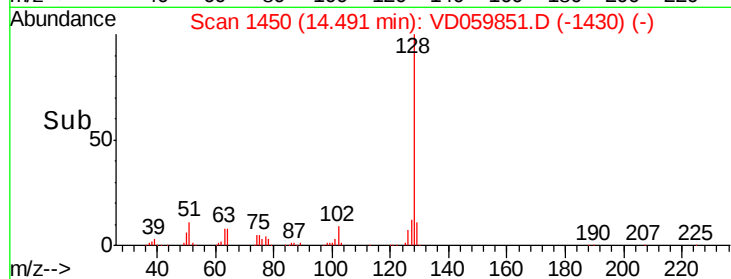
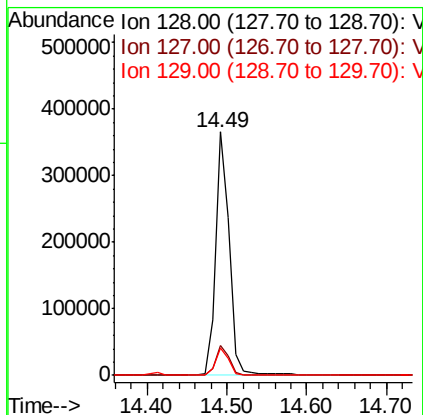
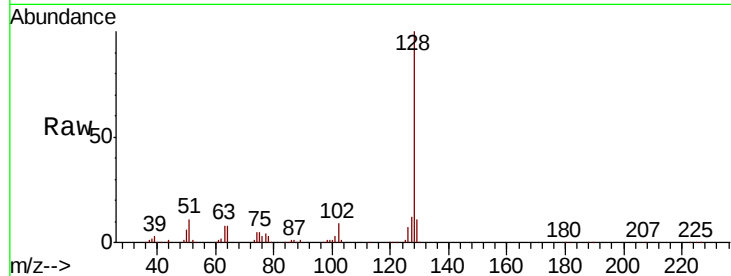
#95
Naphthalene
Concen: 19.29 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.0	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 20.46 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.8	143.4
145	28.1	12.7	38.0

