

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082018\
 Data File : VD059834.D
 Acq On : 20 Aug 2018 16:50
 Operator : JC/SY
 Sample : VD0820SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Manual Integrations
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 8/21/2018 10:24:51 AM

Quant Time: Aug 21 07:13:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.59	168	1065157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1550609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1263062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	599684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.96	65	464781	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	5.49	113	594635	51.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	8.66	98	1634218	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	11.90	95	629515	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	162546	17.72	ug/l	100
3) Chloromethane	1.46	50	135392	17.42	ug/l	97
4) Vinyl Chloride	1.53	62	107260	17.22	ug/l	98
5) Bromomethane	1.75	94	10651	13.01	ug/l	95
6) Chloroethane	1.84	64	20685	14.68	ug/l	96
7) Trichlorofluoromethane	2.05	101	106230	16.94	ug/l	99
8) Diethyl Ether	2.31	74	25298	18.05	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.51	101	75527	18.94	ug/l	96
10) Methyl Iodide	2.65	142	59699	13.52	ug/l	94
11) Tert butyl alcohol	3.22	59	30191	95.81	ug/l	96
12) 1,1-Dichloroethene	2.50	96	60338	18.36	ug/l	92
13) Acrolein	2.43	56	22350	70.03	ug/l	94
14) Allyl chloride	2.87	41	147760	17.72	ug/l	99
15) Acrylonitrile	3.31	53	137197	94.06	ug/l	99
16) Acetone	2.57	43	130844	91.58	ug/l	97
17) Carbon Disulfide	2.72	76	163015	14.99	ug/l	100
18) Methyl Acetate	2.89	43	50556	16.04	ug/l	95
19) Methyl tert-butyl Ether	3.36	73	353141	19.16	ug/l	99
20) Methylene Chloride	3.02	84	73937	14.57	ug/l	95
21) trans-1,2-Dichloroethene	3.34	96	140172	15.22	ug/l	98
22) Diisopropyl ether	4.02	45	846473	19.87	ug/l	97
23) Vinyl Acetate	3.96	43	2461089	107.55	ug/l	100
24) 1,1-Dichloroethane	3.92	63	364542	19.46	ug/l	99
25) 2-Butanone	4.78	43	406884	94.21	ug/l	99
26) 2,2-Dichloropropane	4.74	77	291366	19.82	ug/l	96
27) cis-1,2-Dichloroethene	4.74	96	222699	19.97	ug/l	97
28) Bromochloromethane	5.09	49	187973	19.80	ug/l	96
29) Tetrahydrofuran	5.13	42	223829	102.36	ug/l	98
30) Chloroform	5.27	83	364704	19.73	ug/l	100
31) Cyclohexane	5.54	56	292921	16.47	ug/l	94
32) 1,1,1-Trichloroethane	5.45	97	300462	19.29	ug/l	99
36) 1,1-Dichloropropene	5.69	75	246867	18.77	ug/l	98
37) Ethyl Acetate	4.87	43	203071	20.83	ug/l	98
38) Carbon Tetrachloride	5.67	117	259131	19.74	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.23	83	259388	18.44	ug/l	98
40) Benzene	5.96	78	663844	19.48	ug/l	100
41) Methacrylonitrile	5.07	41	97907	19.61	ug/l	97
42) 1,2-Dichloroethane	6.07	62	214238	19.31	ug/l	97
43) Isopropyl Acetate	7.57	43	263995	19.58	ug/l #	99
44) Trichloroethene	6.93	130	189851	18.74	ug/l	95
45) 1,2-Dichloropropane	7.30	63	195634	19.55	ug/l	97
46) Dibromomethane	7.41	93	120654	19.37	ug/l	96
47) Bromodichloromethane	7.70	83	268536	19.53	ug/l	98
48) Methyl methacrylate	7.46	41	147552	19.84	ug/l	100
49) 1,4-Dioxane	7.44	88	27816	442.01	ug/l	92
51) 4-Methyl-2-Pentanone	8.55	43	851866	94.50	ug/l	98
52) Toluene	8.76	92	431979	20.05	ug/l	98
53) t-1,3-Dichloropropene	9.14	75	258029	20.60	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	290614	19.37	ug/l	98
55) 1,1,2-Trichloroethane	9.41	97	153776	19.77	ug/l	96
56) Ethyl methacrylate	9.27	69	181011	20.18	ug/l	96
57) 1,3-Dichloropropane	9.63	76	223345	19.64	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.14	63	503752	96.26	ug/l	98
59) 2-Hexanone	9.74	43	646771	97.07	ug/l	100
60) Dibromochloromethane	9.91	129	199458	19.92	ug/l	98
61) 1,2-Dibromoethane	10.05	107	164336	19.78	ug/l	98
64) Tetrachloroethene	9.47	164	176222	19.06	ug/l	98
65) Chlorobenzene	10.69	112	489042	20.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.82	131	174656	21.01	ug/l	96
67) Ethyl Benzene	10.83	91	817614	18.67	ug/l	97
68) m/p-Xylenes	10.98	106	594005	37.01	ug/l	99
69) o-Xylene	11.38	106	297770	21.10	ug/l	98
70) Styrene	11.41	104	520330	21.17	ug/l	96
71) Bromoform	11.57	173	148515	19.88	ug/l #	96
73) Isopropylbenzene	11.74	105	803617	19.66	ug/l	99
74) N-amyl acetate	11.61	43	353318	19.31	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.05	83	183101	19.01	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	193439	19.50	ug/l	99
77) Bromobenzene	12.02	156	231205	20.35	ug/l	85
78) n-propylbenzene	12.13	91	1021284	20.12	ug/l	96
79) 2-Chlorotoluene	12.18	91	591989	20.26	ug/l	93
80) 1,3,5-Trimethylbenzene	12.29	105	623858	18.48	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	55645	17.94	ug/l	96
82) 4-Chlorotoluene	12.30	91	621913	18.62	ug/l	92
83) tert-Butylbenzene	12.55	119	655196m	20.32	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	675621	20.09	ug/l	98
85) sec-Butylbenzene	12.74	105	874872	20.46	ug/l	97
86) p-Isopropyltoluene	12.86	119	685996	20.45	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	407472	21.31	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	389839	20.57	ug/l	97
89) n-Butylbenzene	13.17	91	693178	18.88	ug/l	98
90) Hexachloroethane	13.37	117	181124	18.93	ug/l	82
91) 1,2-Dichlorobenzene	13.17	146	332592	19.85	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	26209	18.28	ug/l	73

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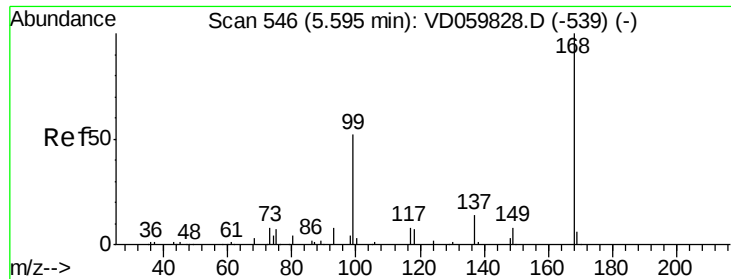
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	284129	20.69	ug/l	98
94) Hexachlorobutadiene	14.41	225	183998	19.92	ug/l	96
95) Naphthalene	14.49	128	429947	19.17	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	240950	20.03	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion:168 Resp: 1065157

Ion Ratio Lower Upper

168 100

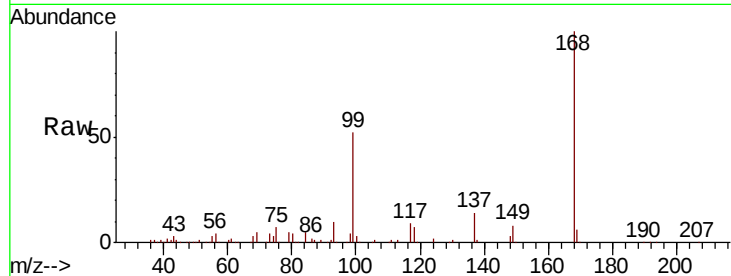
99 51.8 43.6 65.4

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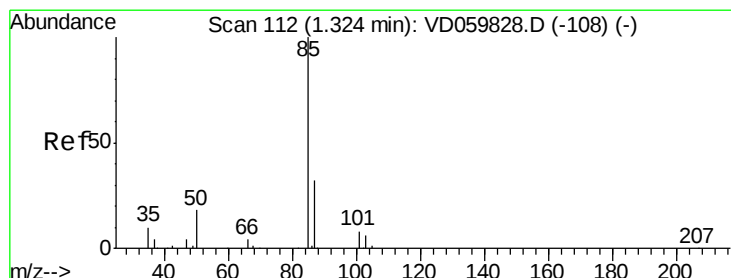
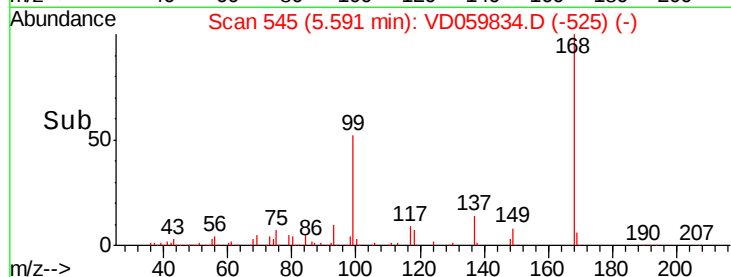
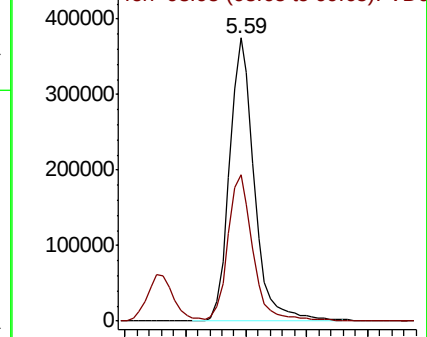
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.72 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059834.D

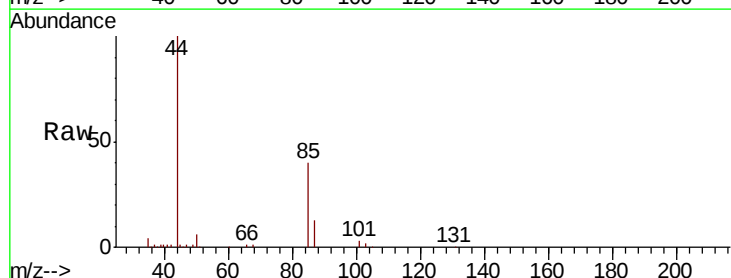
Acq: 20 Aug 2018 16:50

Tgt Ion: 85 Resp: 162546

Ion Ratio Lower Upper

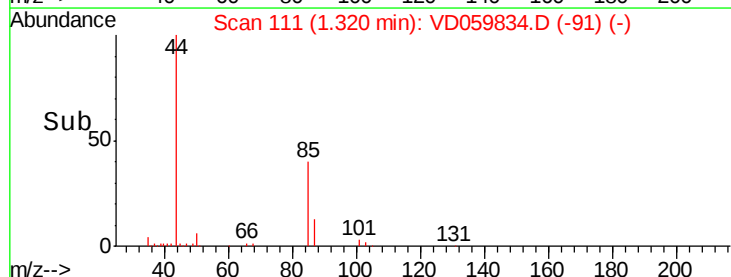
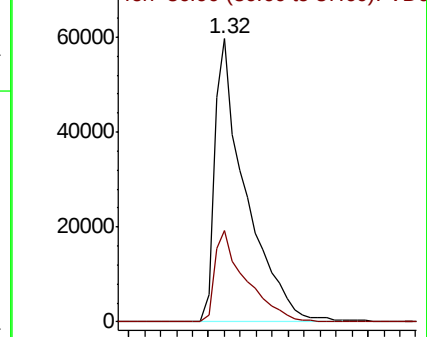
85 100

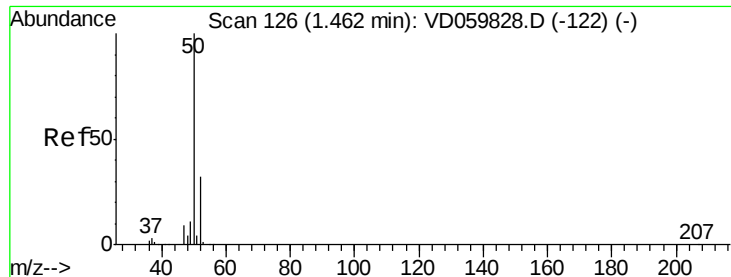
87 32.2 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.42 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 50 Resp: 135392

Ion Ratio Lower Upper

50 100

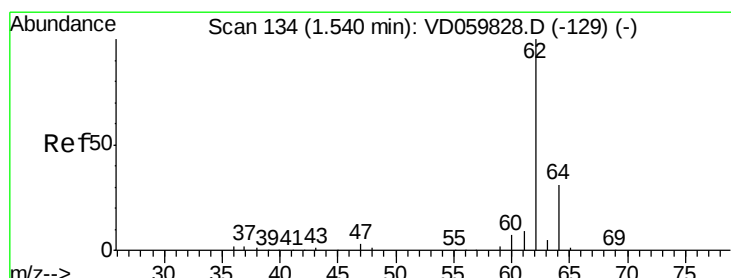
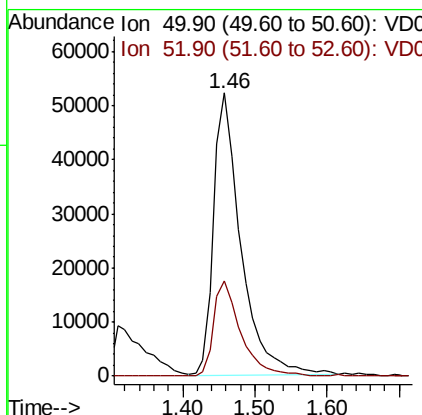
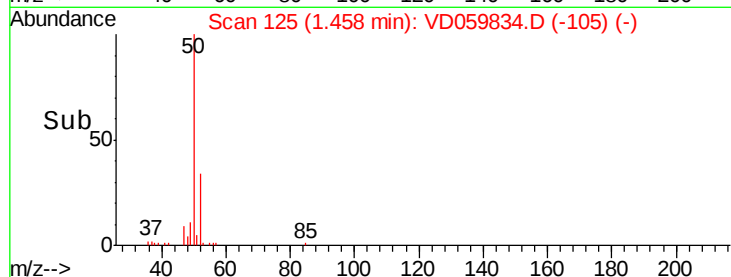
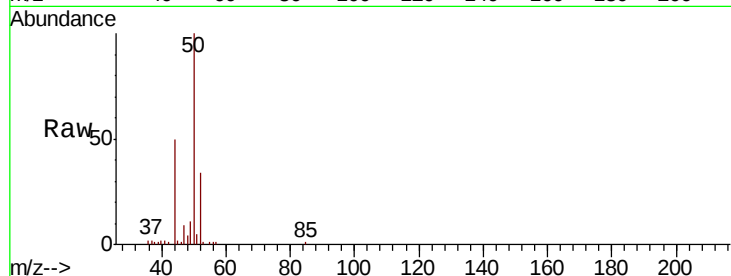
52 33.7 25.4 38.2

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#4

Vinyl Chloride

Concen: 17.22 ug/l

RT: 1.53 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD059834.D

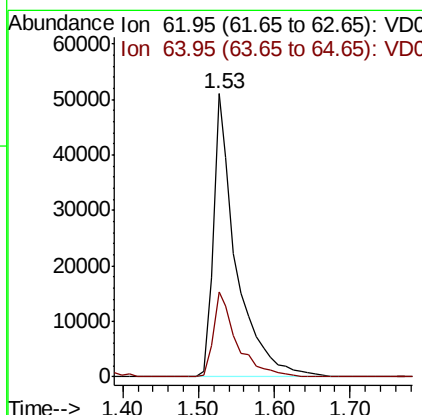
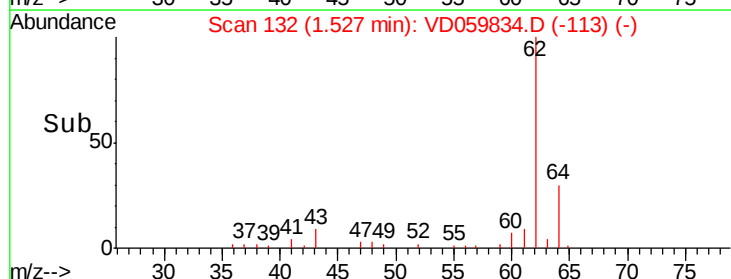
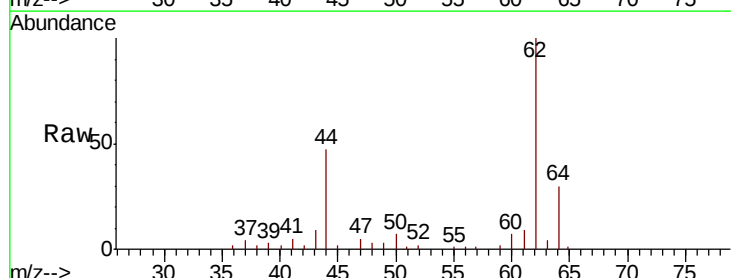
Acq: 20 Aug 2018 16:50

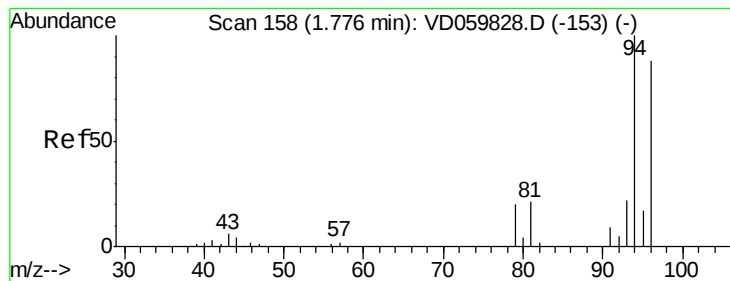
Tgt Ion: 62 Resp: 107260

Ion Ratio Lower Upper

62 100

64 29.9 25.0 37.6





#5

Bromomethane

Concen: 13.01 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.02 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 94 Resp: 10651

Ion Ratio Lower Upper

94 100

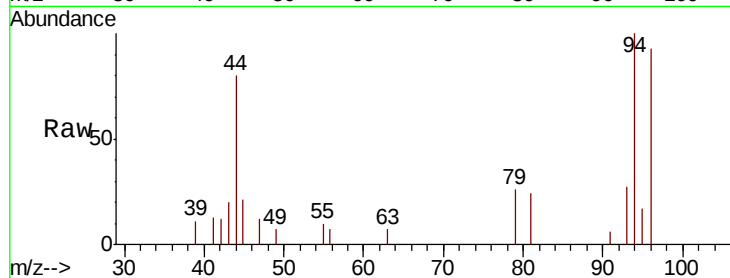
96 93.2 70.8 106.2

Manual Integrations

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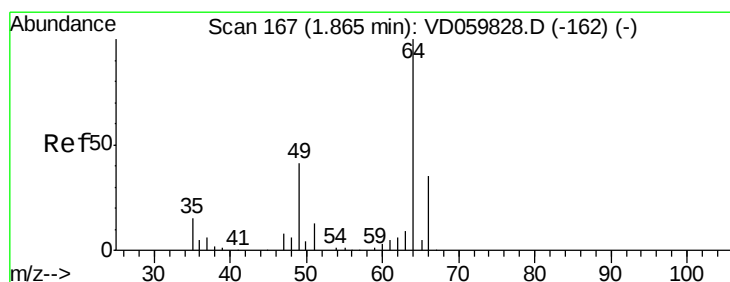
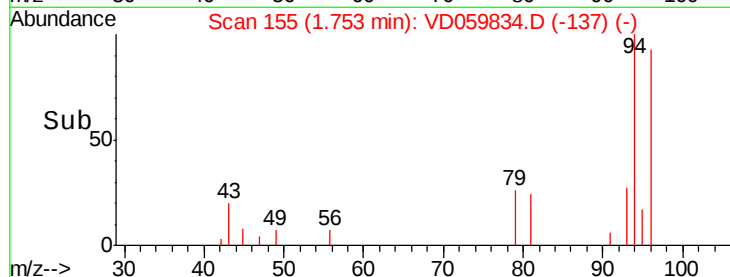
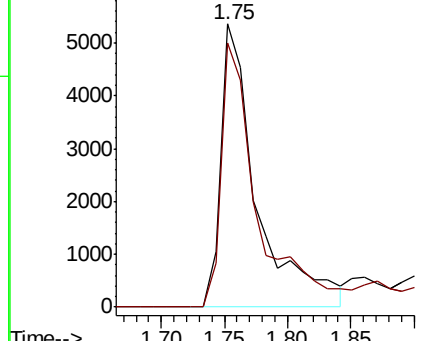
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 14.68 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.02 min

Lab File: VD059834.D

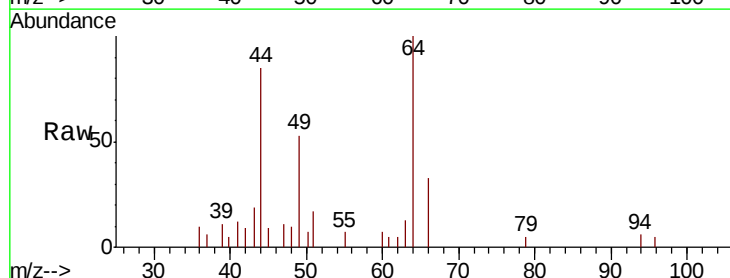
Acq: 20 Aug 2018 16:50

Tgt Ion: 64 Resp: 20685

Ion Ratio Lower Upper

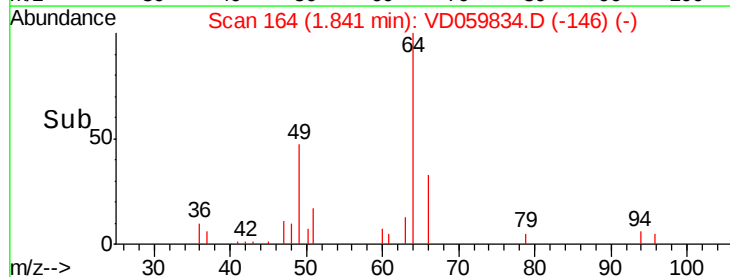
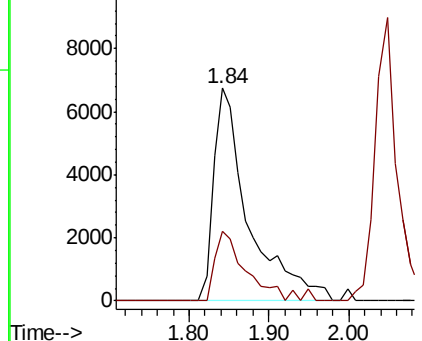
64 100

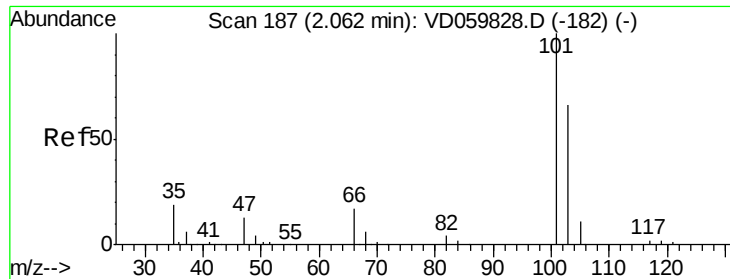
66 32.6 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

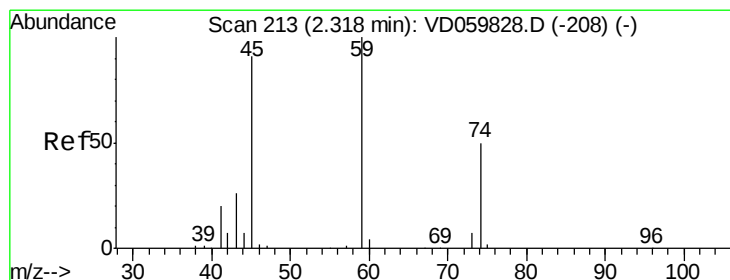
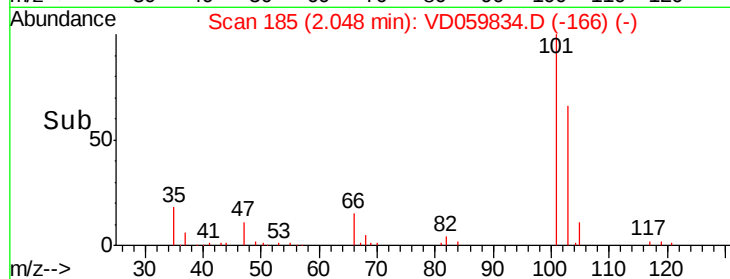
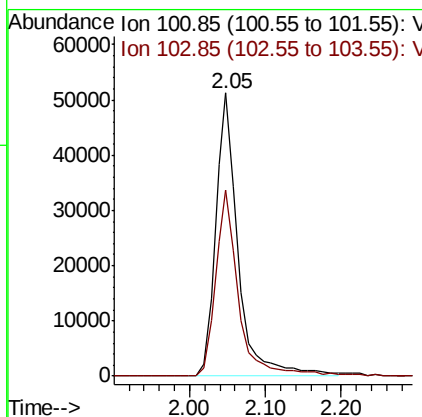
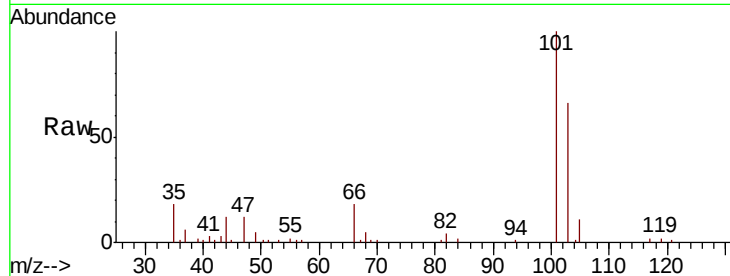
Trichlorofluoromethane
Concen: 16.94 ug/l
RT: 2.05 min Scan# 185
Delta R.T. -0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	106230		
103	65.7	53.0	79.4	

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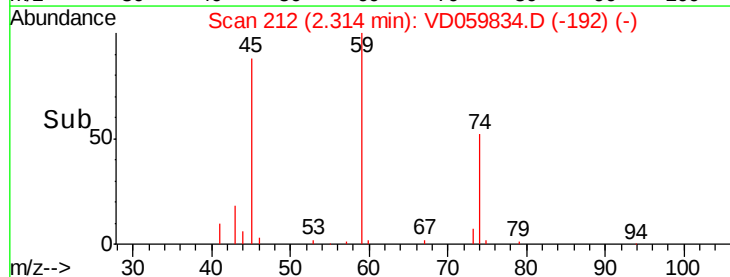
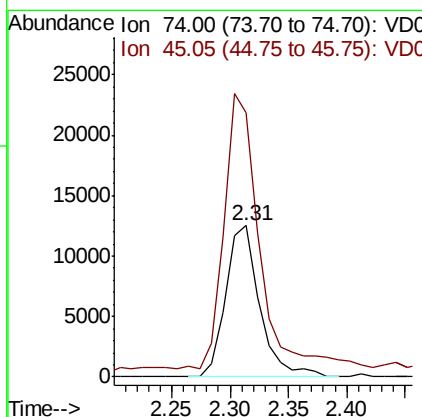
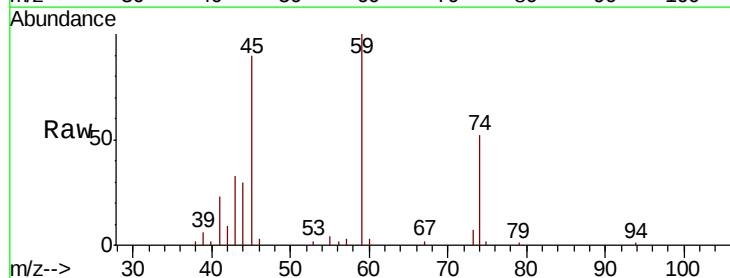
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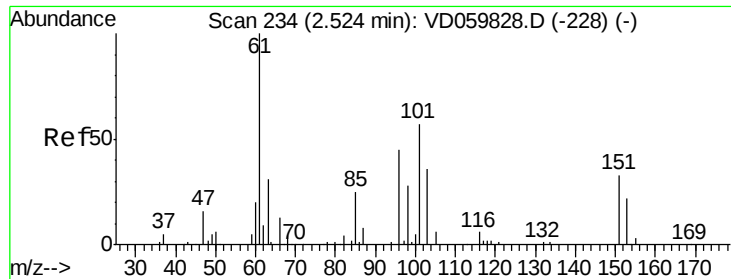


#8

Diethyl Ether
Concen: 18.05 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	25298		
45	174.7	90.6	271.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.94 ug/l

RT: 2.51 min Scan# 232

Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

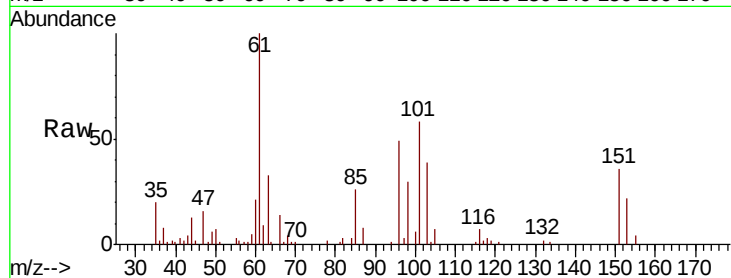
ClientSampleId :

VD0820SBS01

Tot Ion:	101	Resp:	75527
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.7	53.5
151	62.0	45.8	68.6

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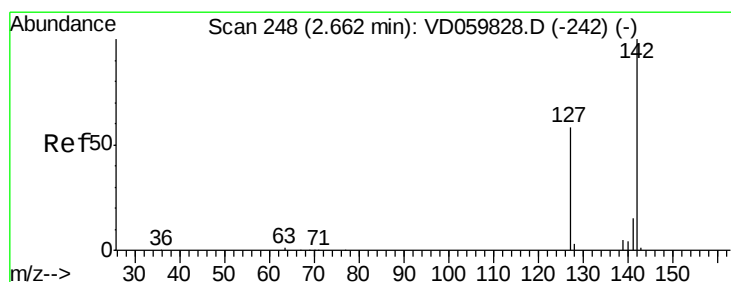
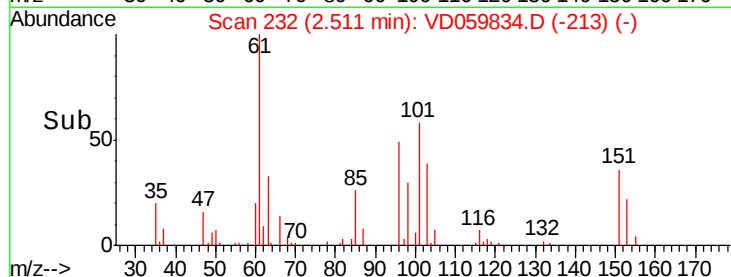
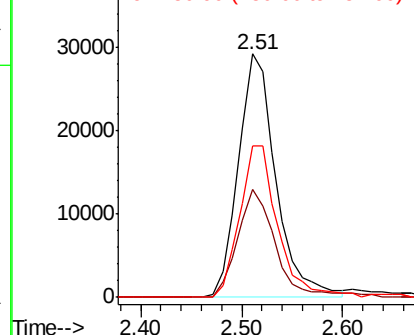


Abundance

Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 13.52 ug/l

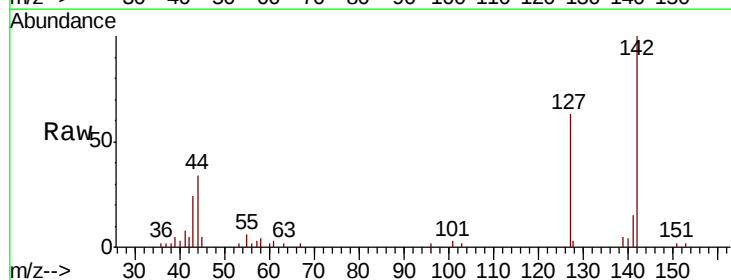
RT: 2.65 min Scan# 246

Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion:	142	Resp:	59699
Ion Ratio	Lower	Upper	
142	100		
127	63.4	46.6	69.8
141	15.1	11.7	17.5

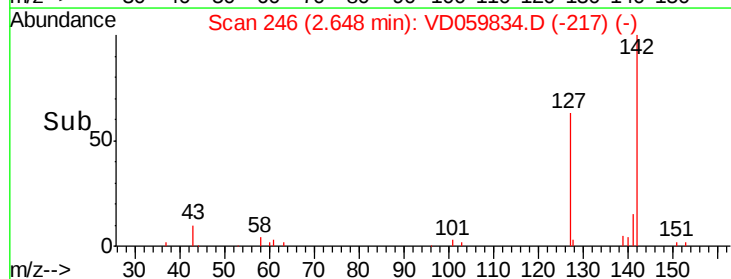
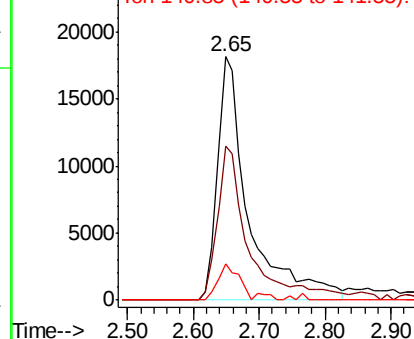


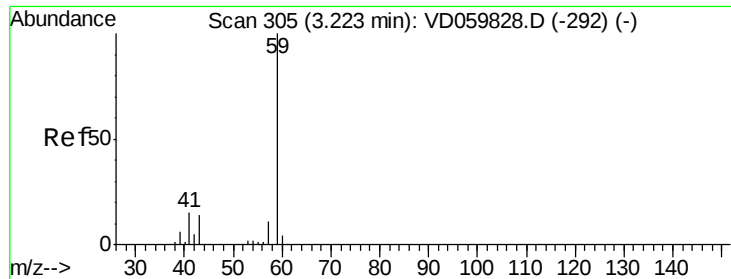
Abundance

Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

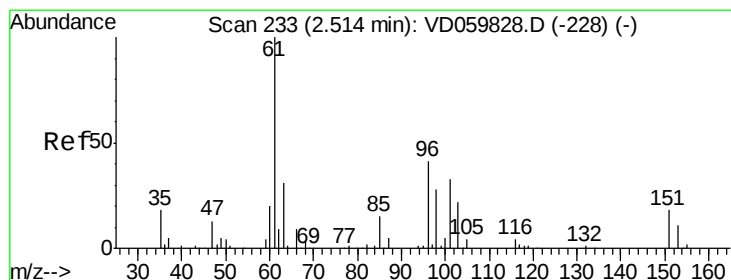
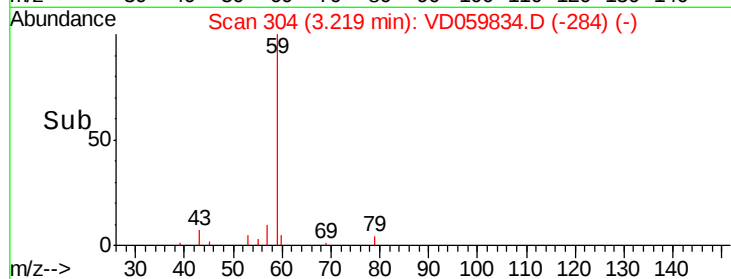
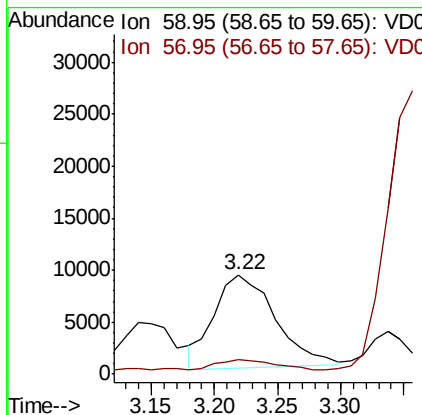
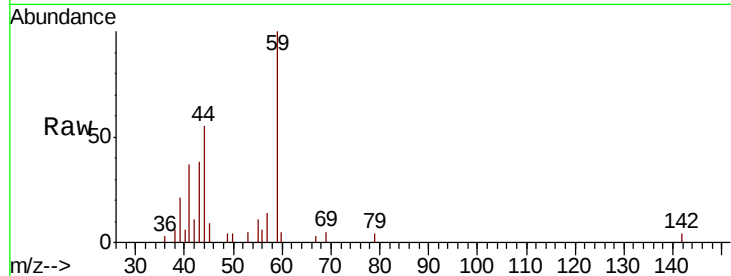
Tert butyl alcohol
Concen: 95.81 ug/l
RT: 3.22 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion: 59 Resp: 30191
Ion Ratio Lower Upper
59 100
57 14.4 10.3 15.5

Manual Integrations
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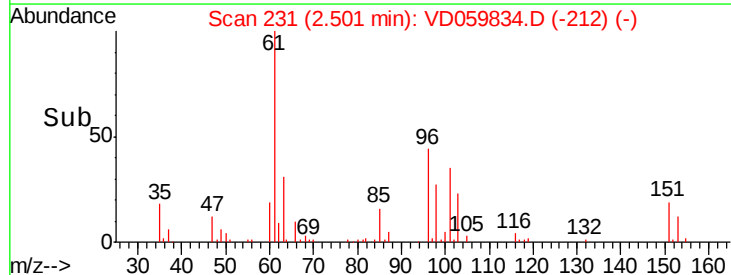
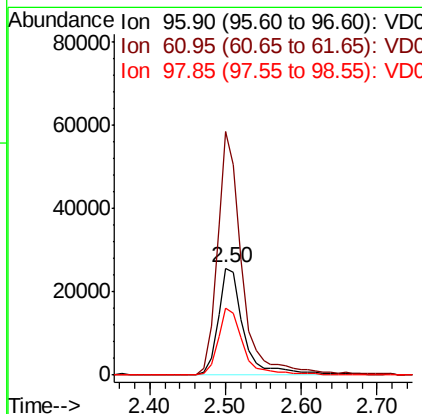
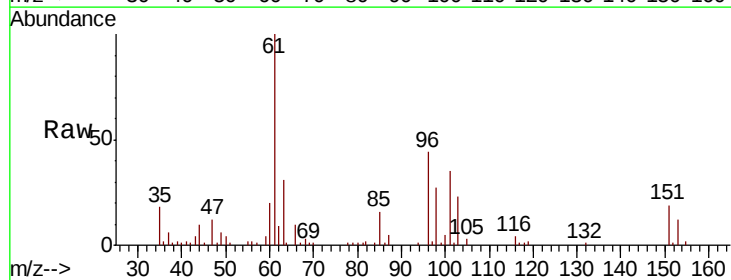
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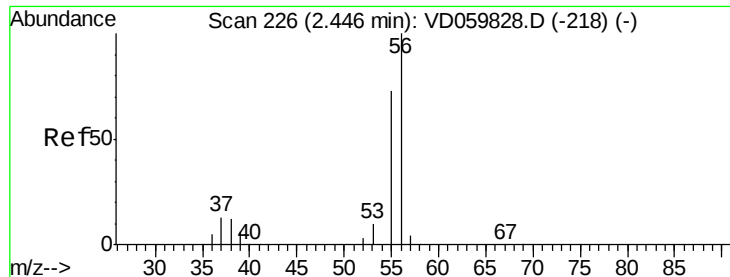


#12

1,1-Dichloroethene
Concen: 18.36 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion: 96 Resp: 60338
Ion Ratio Lower Upper
96 100
61 227.3 194.0 291.0
98 62.5 53.4 80.0





#13

Acrolein

Concen: 70.03 ug/l

RT: 2.43 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 56 Resp: 22350

Ion Ratio Lower Upper

56 100

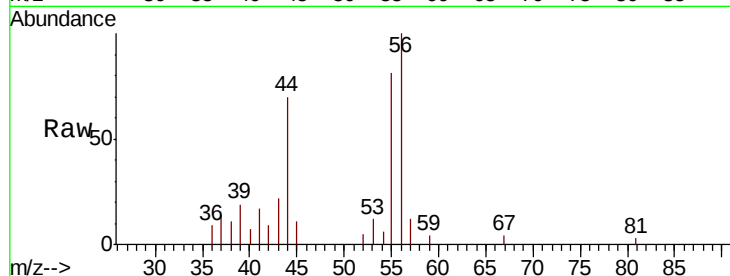
55 80.6 60.4 90.6

Manual Integrations

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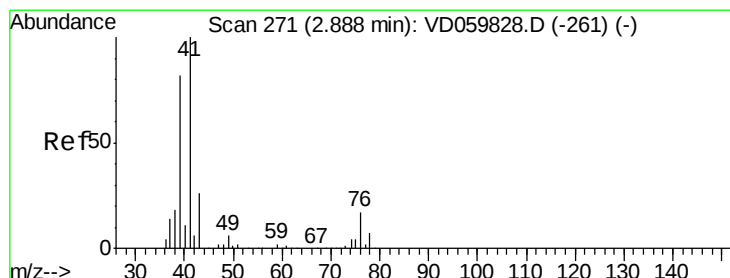
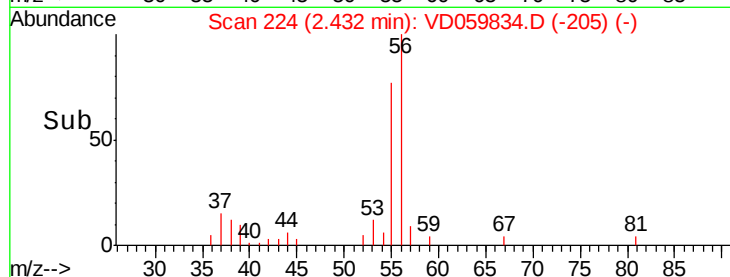
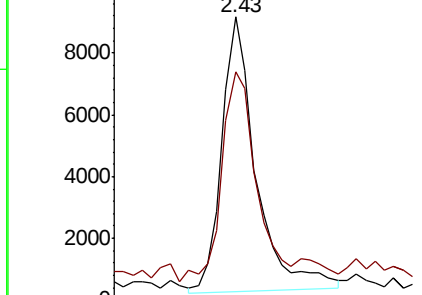
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.72 ug/l

RT: 2.87 min Scan# 269

Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

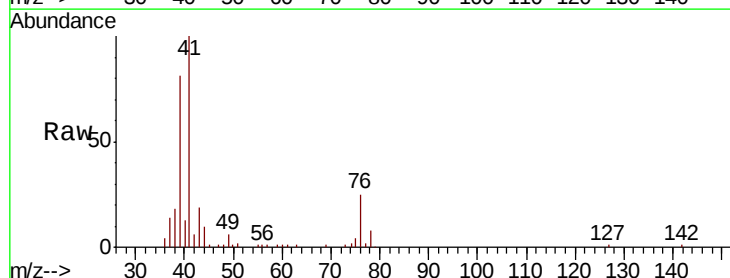
Tgt Ion: 41 Resp: 147760

Ion Ratio Lower Upper

41 100

39 80.8 65.9 98.9

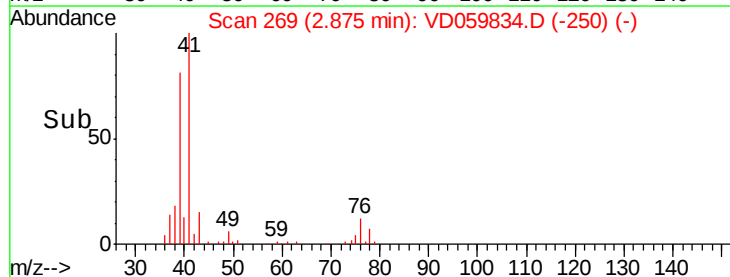
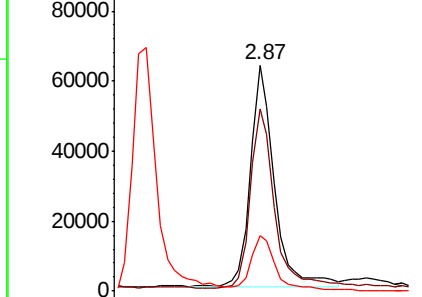
76 24.6 19.9 29.9

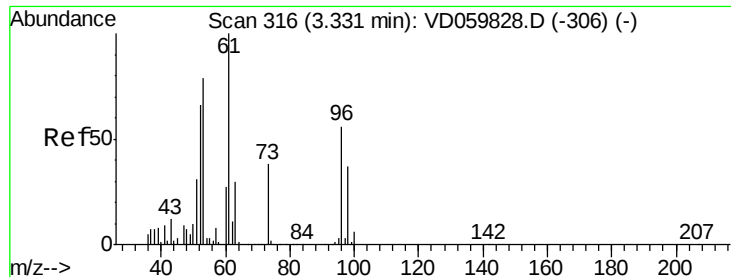


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 94.06 ug/l

RT: 3.31 min Scan# 313

Delta R.T. -0.02 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

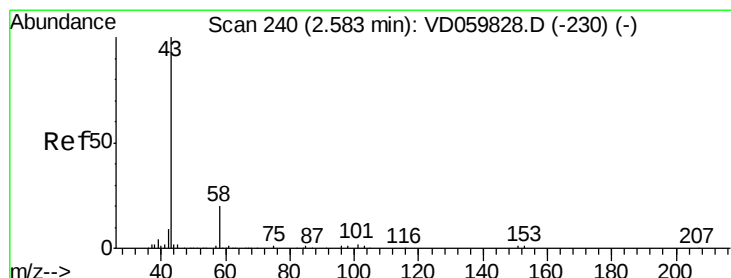
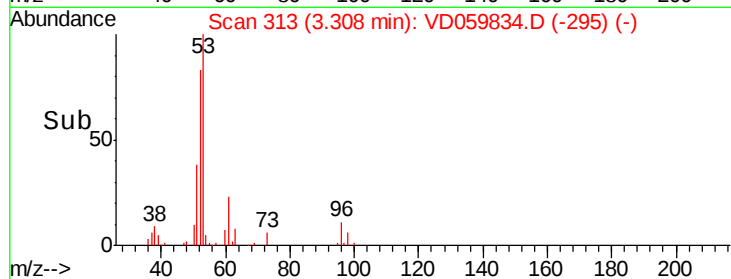
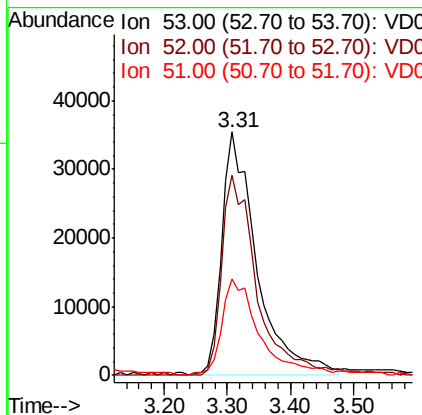
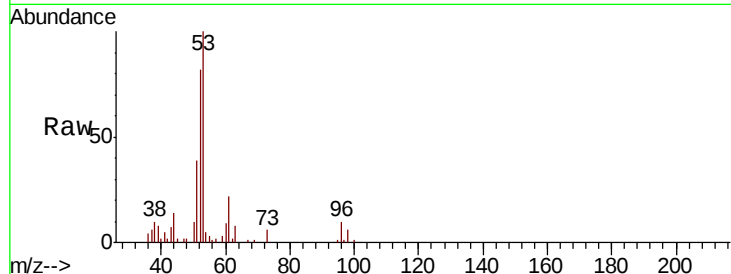
ClientSampleId :

VD0820SBS01

Tot Ion:	53	Resp:	137197
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.8	100.2
51	39.4	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 91.58 ug/l

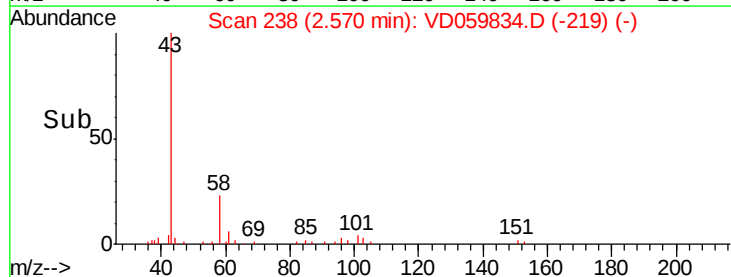
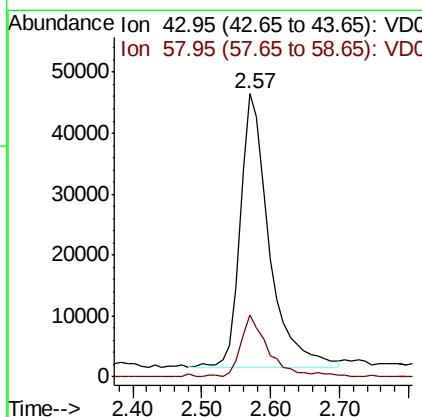
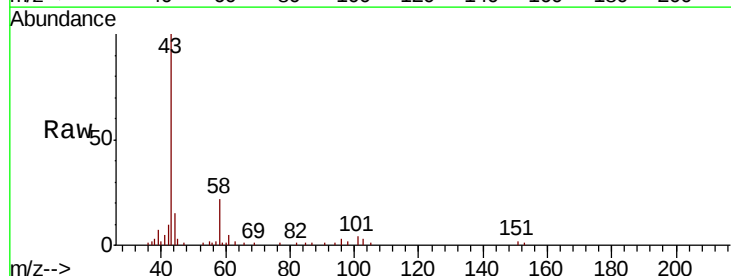
RT: 2.57 min Scan# 238

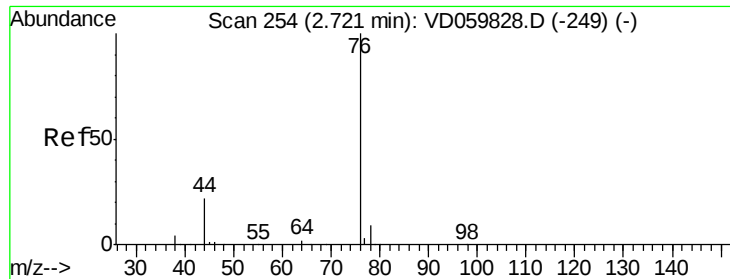
Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion:	43	Resp:	130844
Ion	Ratio	Lower	Upper
43	100		
58	21.8	16.2	24.2





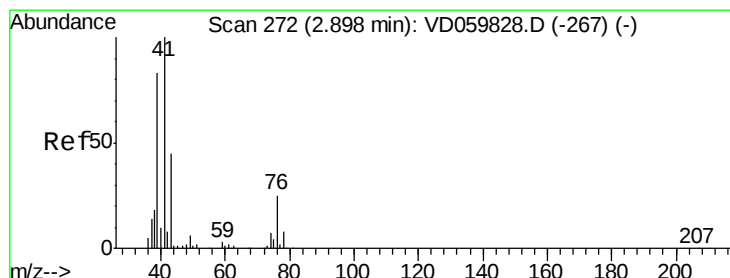
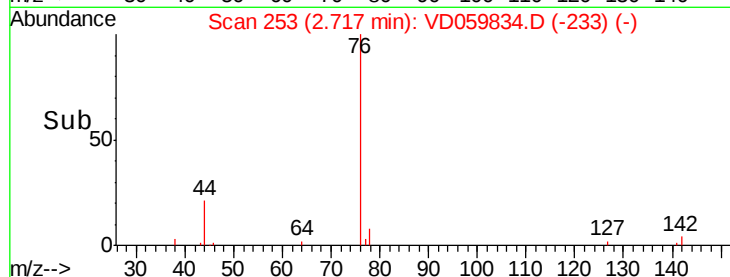
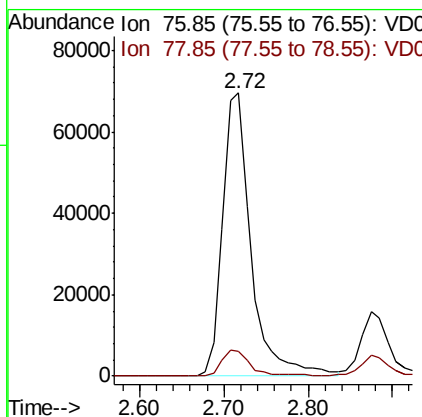
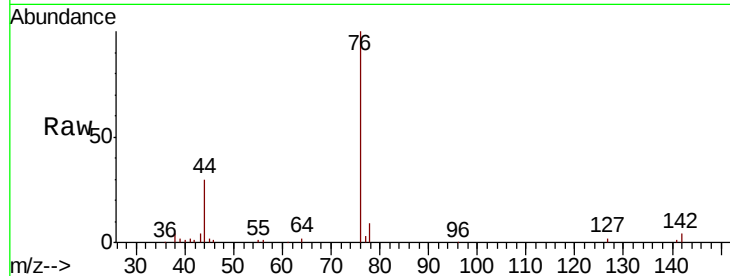
#17
Carbon Disulfide
Concen: 14.99 ug/l
RT: 2.72 min Scan# 253
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

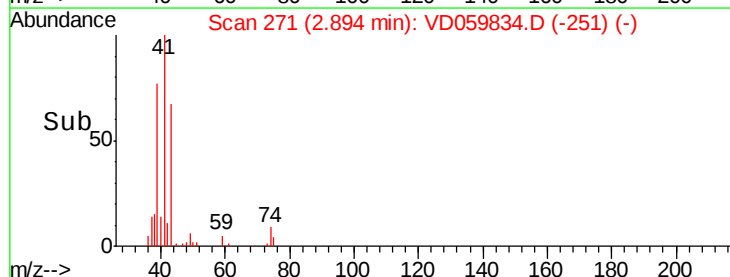
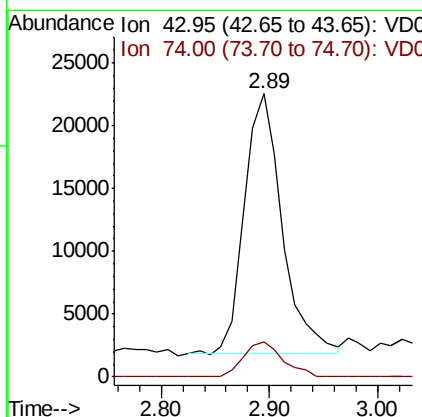
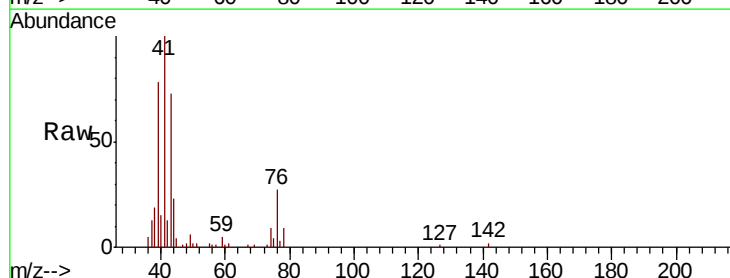
Manual Integrations
APPROVED

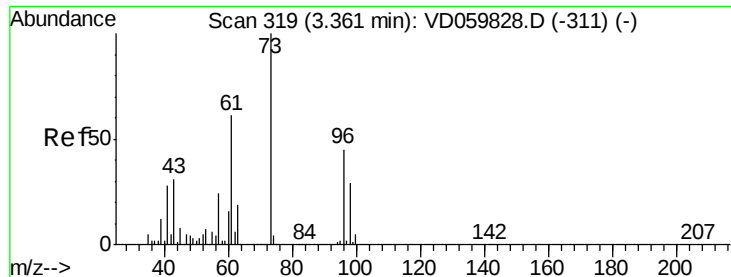
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#18
Methyl Acetate
Concen: 16.04 ug/l
RT: 2.89 min Scan# 271
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.3	11.4	17.0





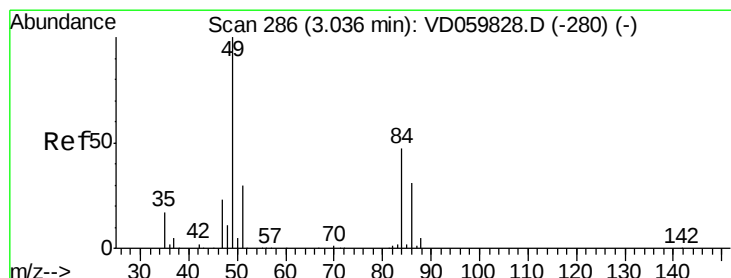
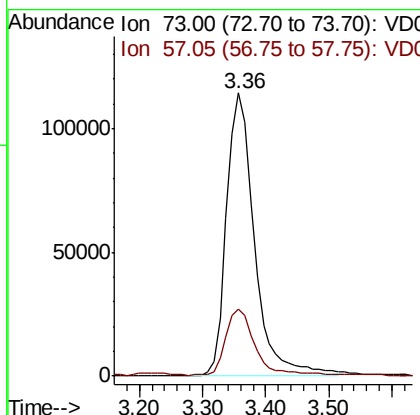
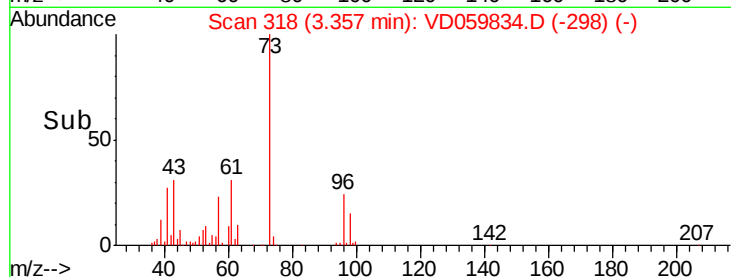
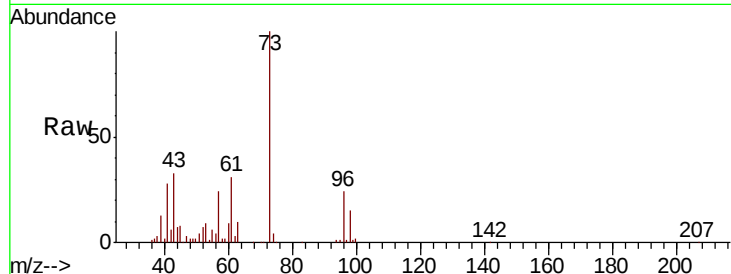
#19
Methvl tert-butvl Ether
Concen: 19.16 ug/l
RT: 3.36 min Scan# 318
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion: 73 Resp: 353141
Ion Ratio Lower Upper
73 100
57 23.8 19.4 29.0

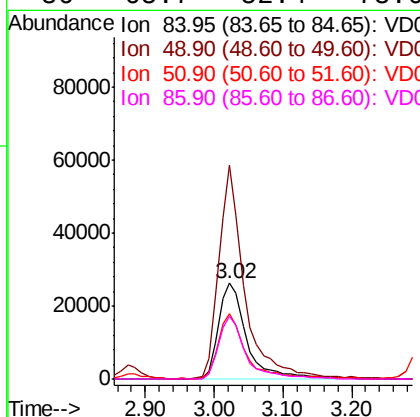
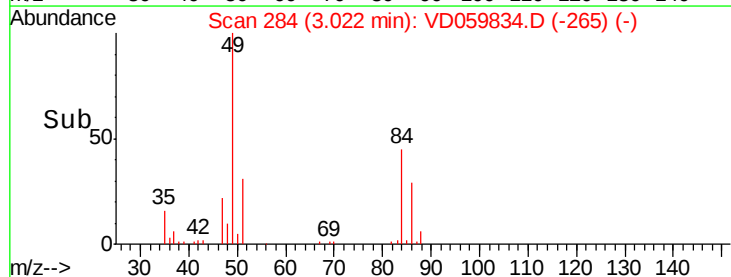
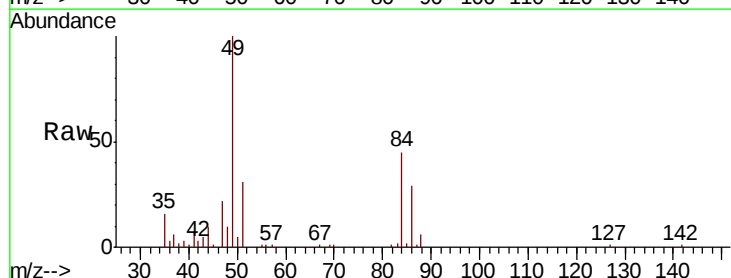
Manual Integrations
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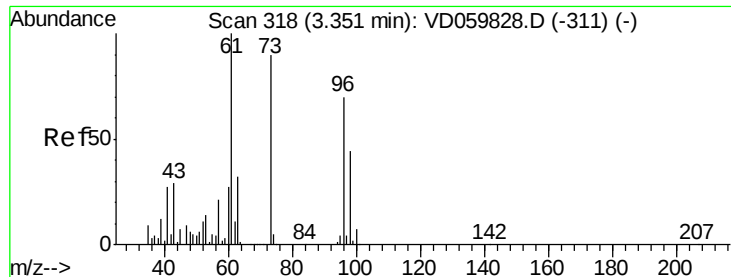
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#20
Methylene Chloride
Concen: 14.57 ug/l
RT: 3.02 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion: 84 Resp: 73937
Ion Ratio Lower Upper
84 100
49 222.7 170.4 255.6
51 67.9 51.4 77.0
86 65.7 52.4 78.6





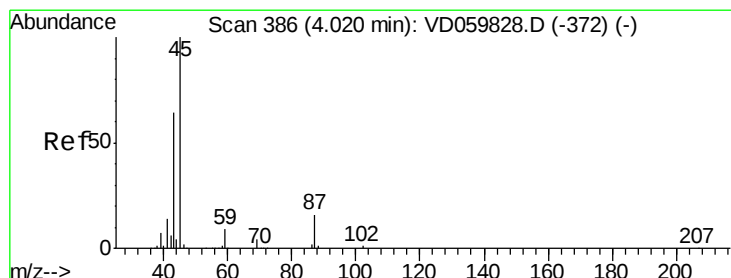
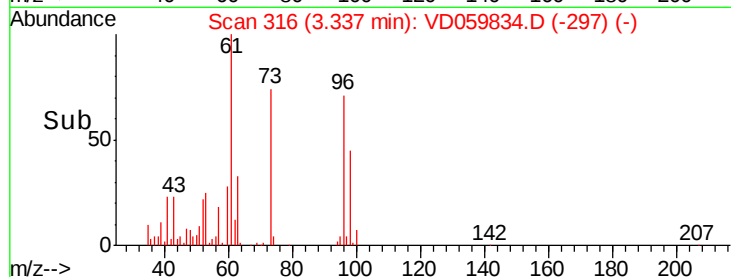
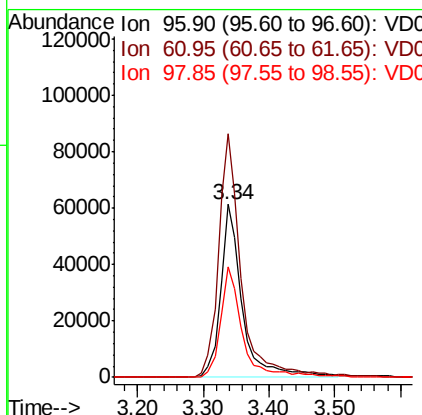
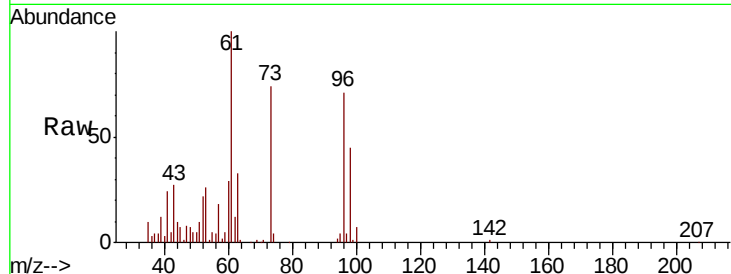
#21
trans-1,2-Dichloroethene
Concen: 15.22 ug/l
RT: 3.34 min Scan# 316
Delta R.T. -0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	114.1	171.1
98	64.1	50.1	75.1

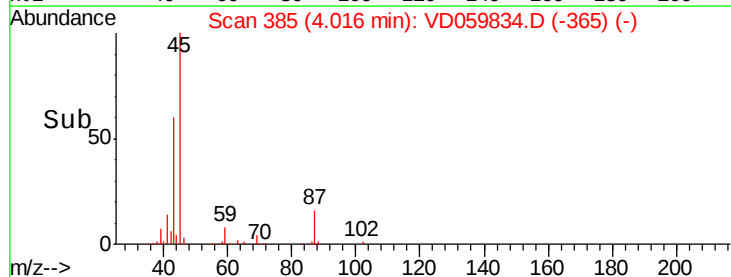
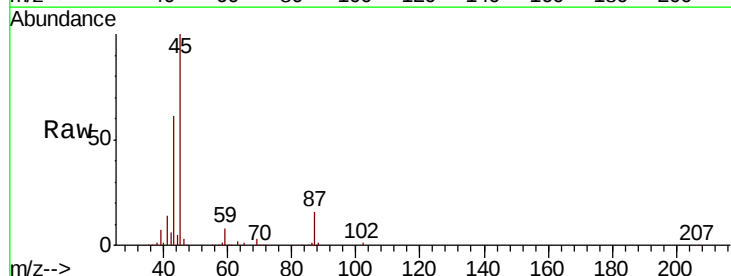
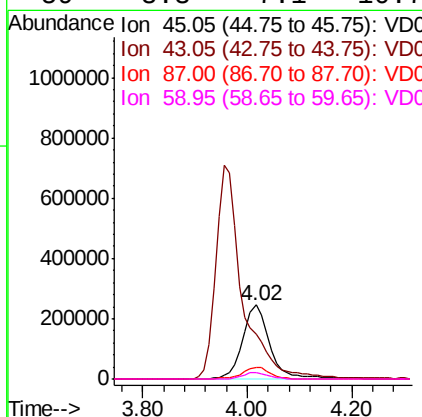
Manual Integrations
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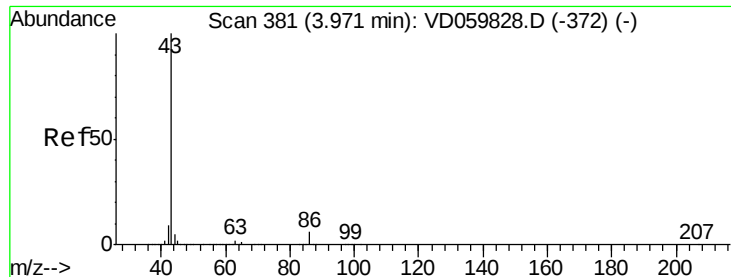
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#22
Diisopropyl ether
Concen: 19.87 ug/l
RT: 4.02 min Scan# 385
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.8	51.1	76.7
87	15.7	12.5	18.7
59	8.3	7.1	10.7





#23

Vinyl Acetate

Concen: 107.55 ug/l

RT: 3.96 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 43 Resp: 2461089

Ion Ratio Lower Upper

43 100

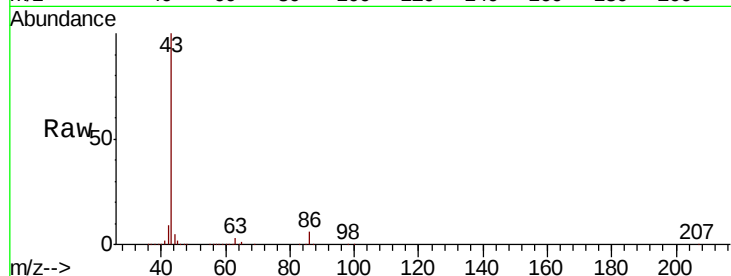
86 5.8 4.6 7.0

Manual Integrations

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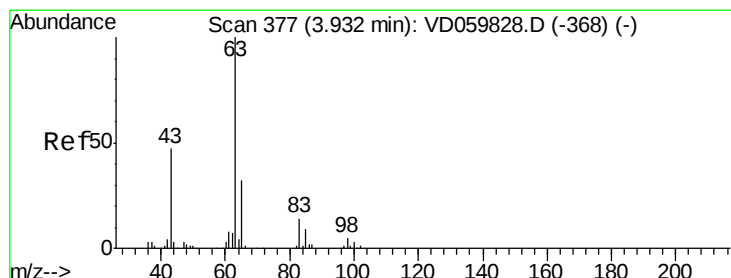
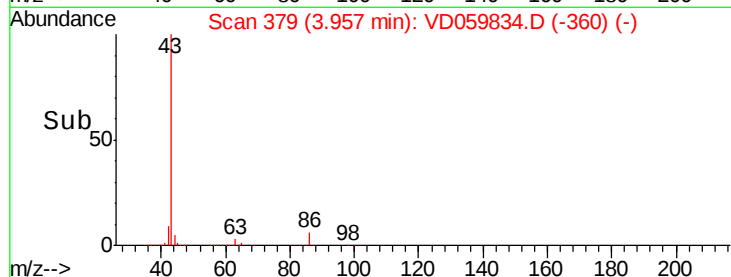
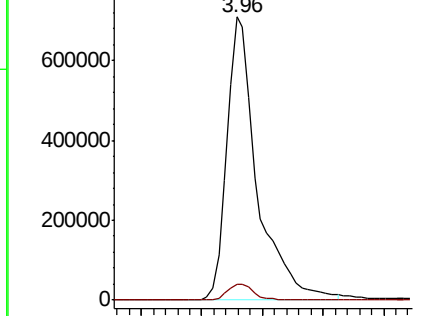
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.46 ug/l

RT: 3.92 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

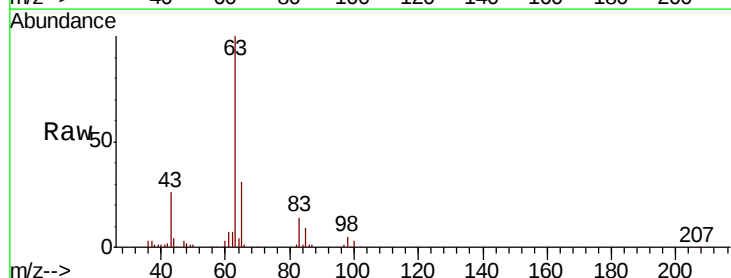
Tgt Ion: 63 Resp: 364542

Ion Ratio Lower Upper

63 100

98 5.5 2.5 7.6

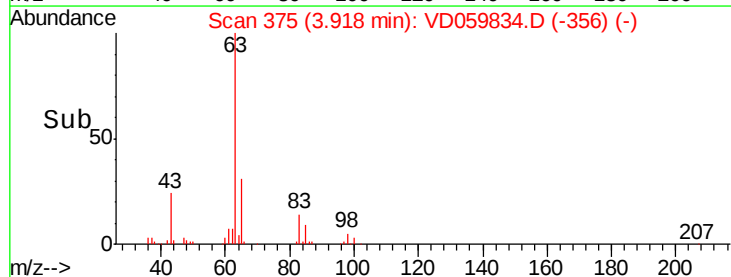
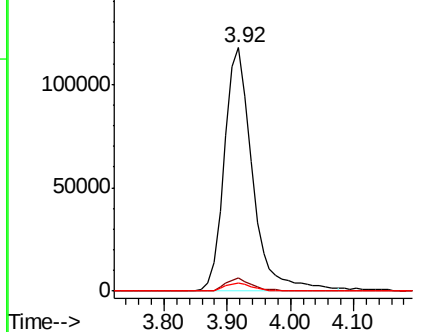
100 3.2 1.7 5.0

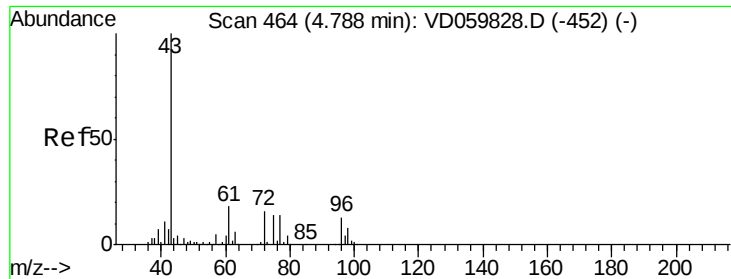


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 94.21 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 43 Resp: 406884

Ion Ratio Lower Upper

43 100

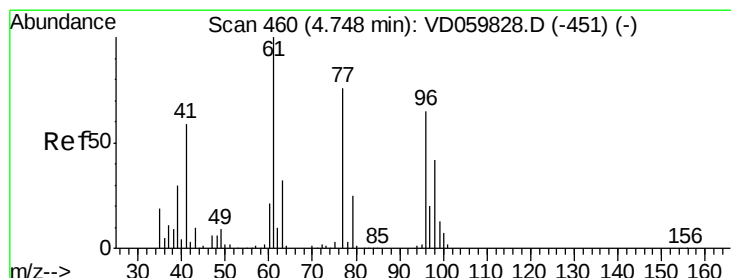
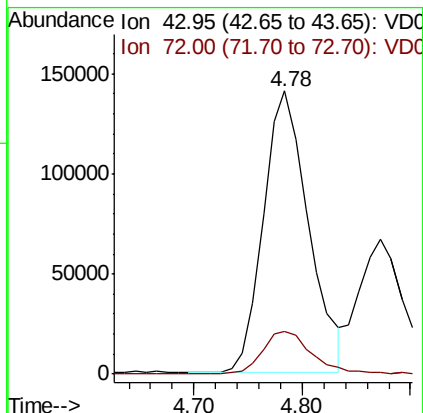
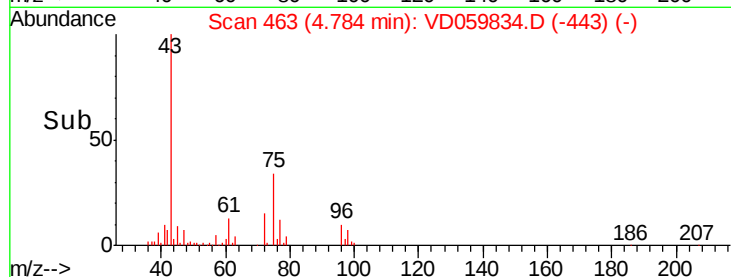
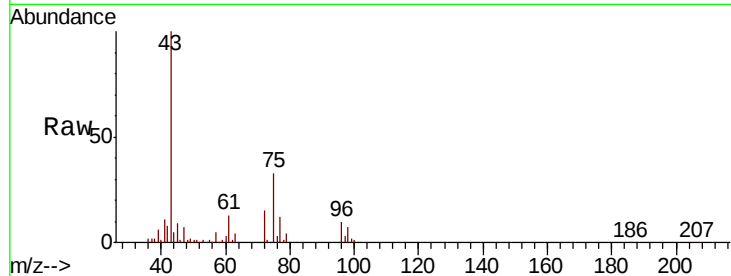
72 15.1 12.4 18.6

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#26

2,2-Dichloropropane

Concen: 19.82 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.00 min

Lab File: VD059834.D

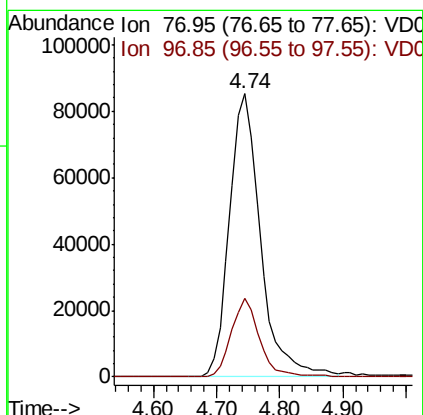
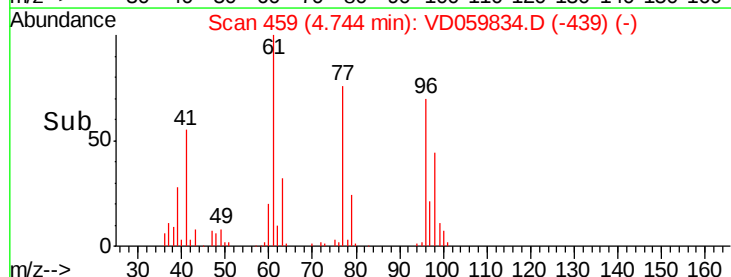
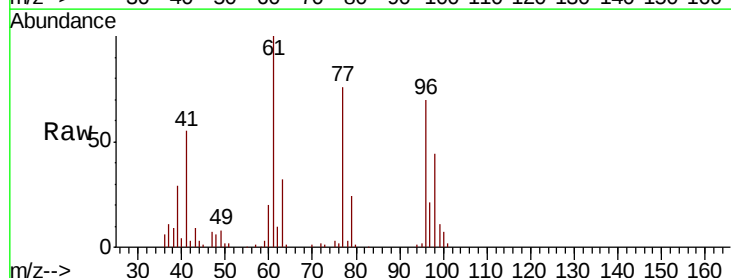
Acq: 20 Aug 2018 16:50

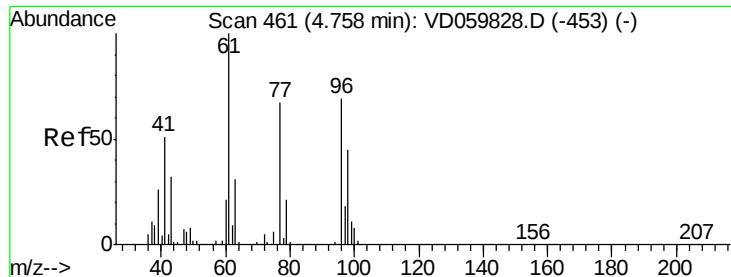
Tgt Ion: 77 Resp: 291366

Ion Ratio Lower Upper

77 100

97 27.9 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 19.97 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

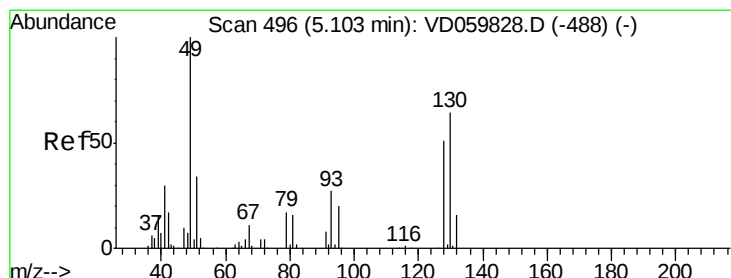
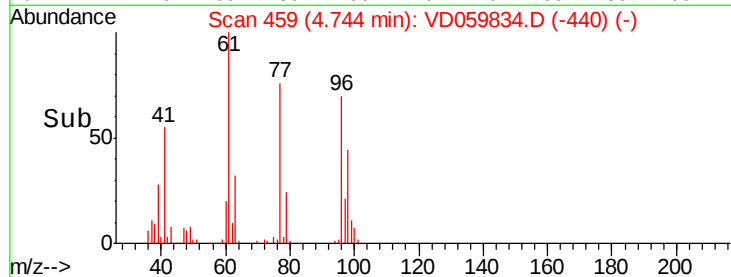
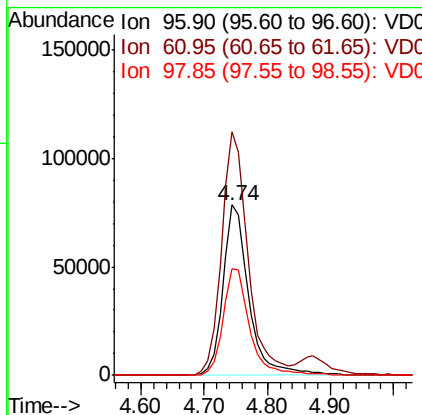
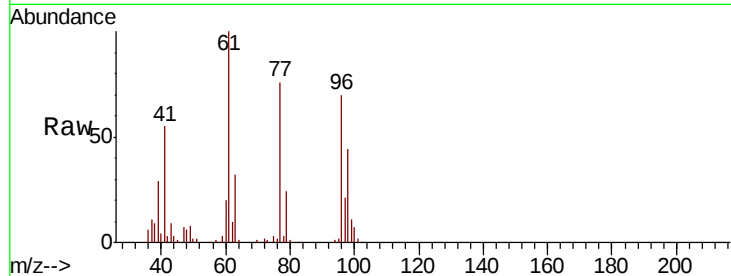
ClientSampleId :

VD0820SBS01

Tot Ion:	96	Resp:	222699
Ion Ratio	Lower	Upper	
96	100		
61	143.0	0.0	291.8
98	62.7	0.0	131.6

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#28

Bromochloromethane

Concen: 19.80 ug/l

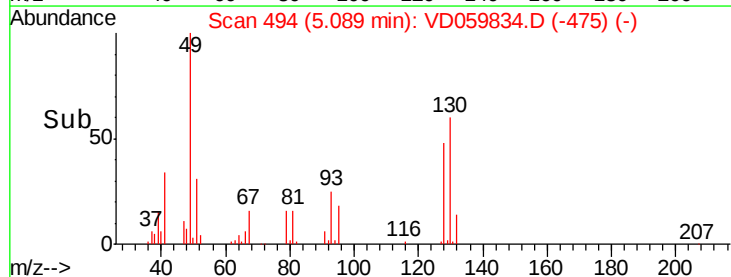
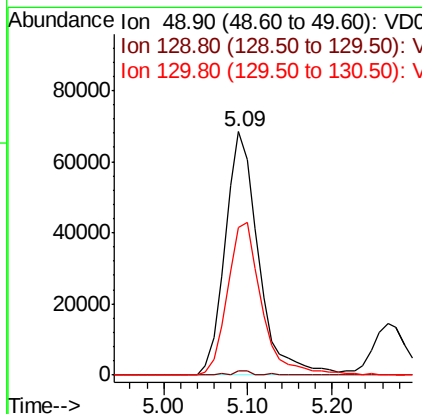
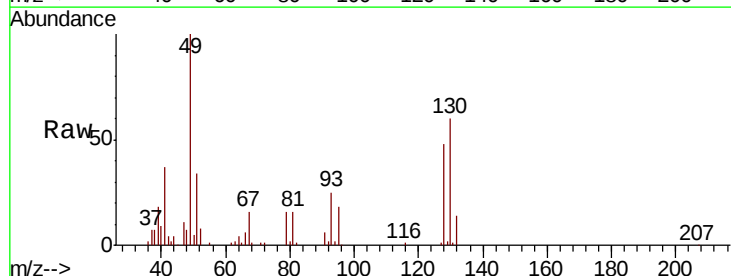
RT: 5.09 min Scan# 494

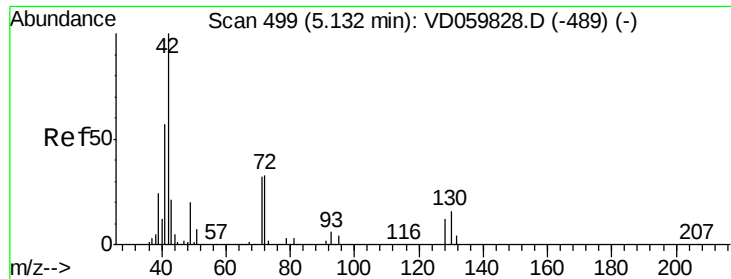
Delta R.T. -0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion:	49	Resp:	187973
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	60.4	51.0	76.6





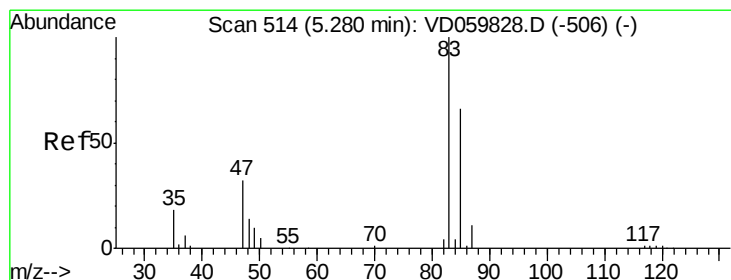
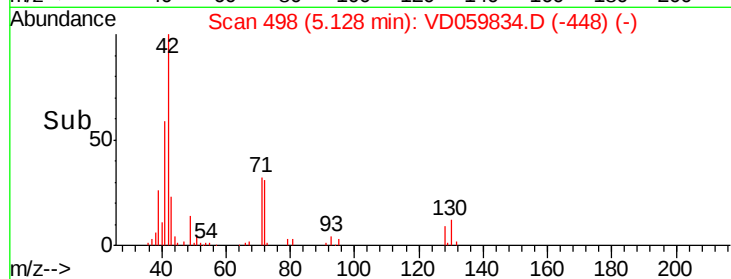
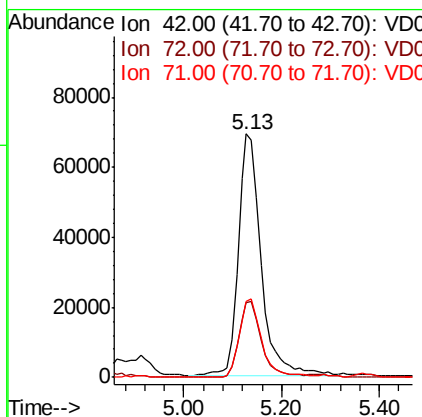
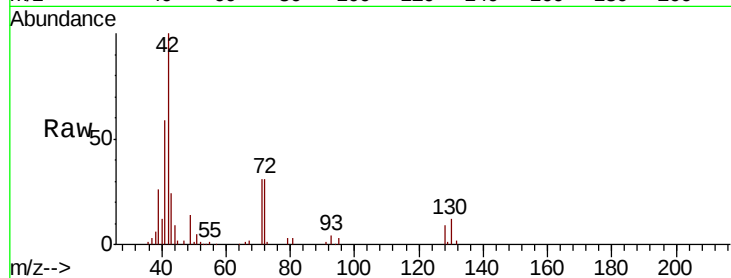
#29
Tetrahydrofuran
Concen: 102.36 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.0	25.8	38.6
71	31.6	25.7	38.5

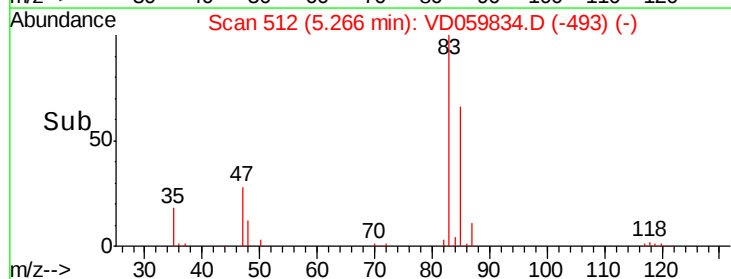
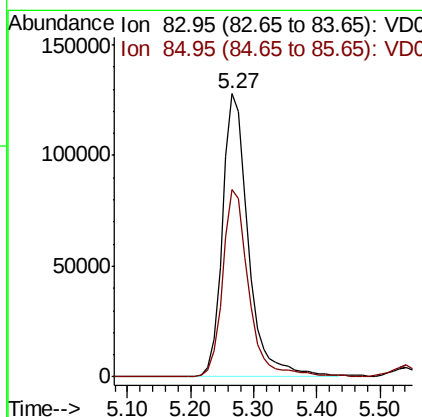
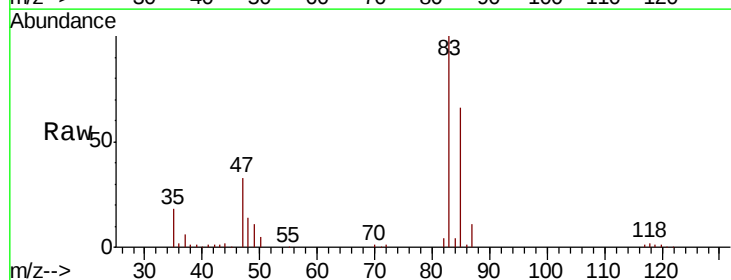
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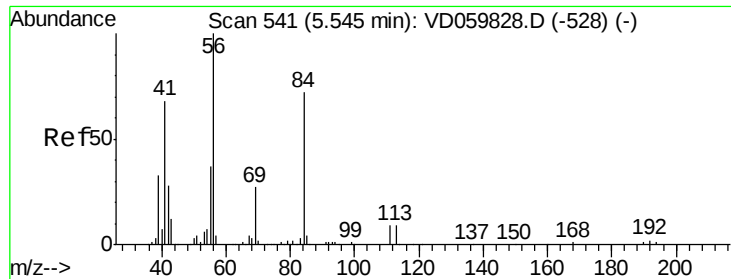
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#30
Chloroform
Concen: 19.73 ug/l
RT: 5.27 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.9	79.3





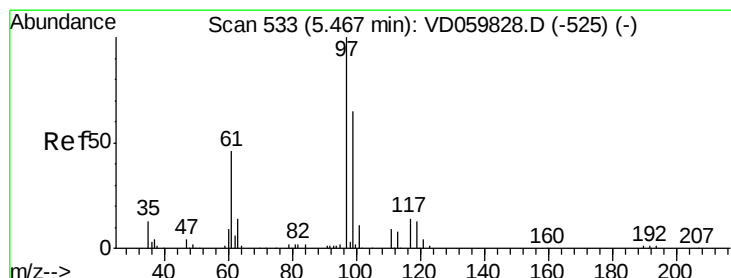
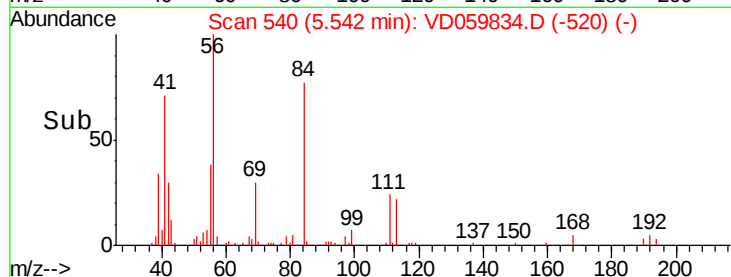
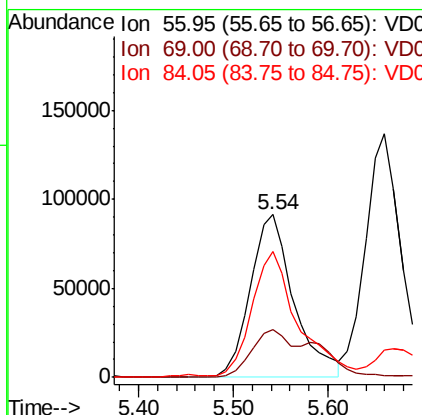
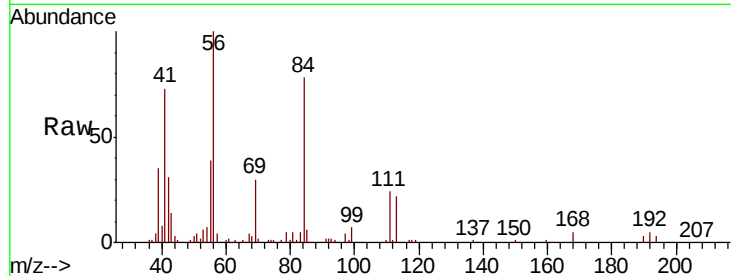
#31
Cyclohexane
Concen: 16.47 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	21.7	32.5
84	77.5	57.8	86.6

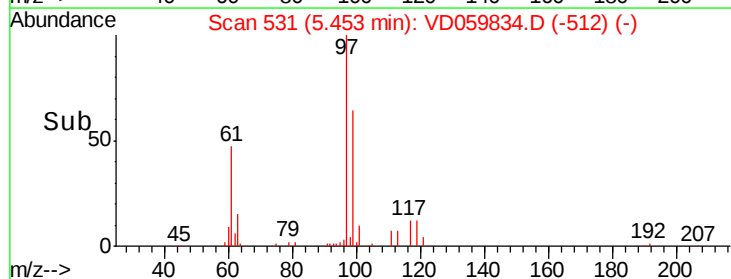
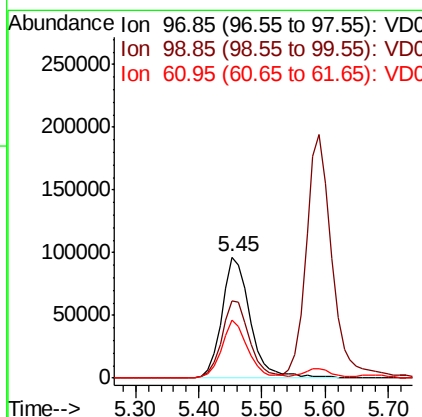
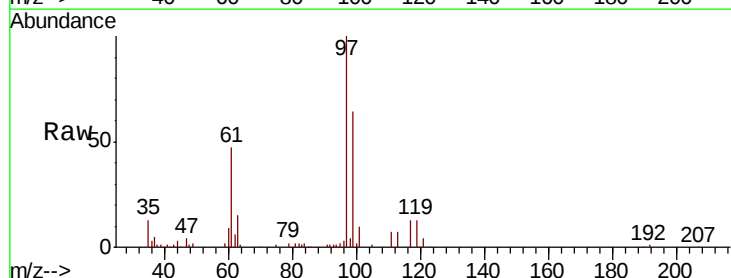
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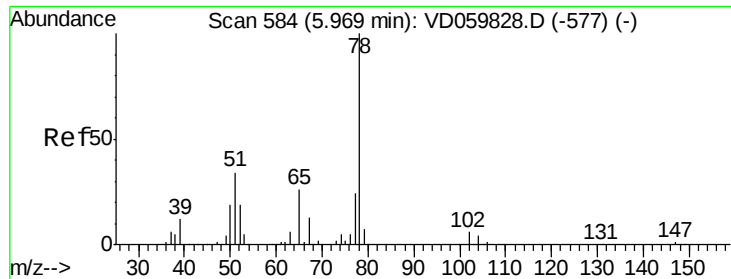
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#32
1,1,1-Trichloroethane
Concen: 19.29 ug/l
RT: 5.45 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.9	77.9
61	47.3	37.0	55.6





#33

1,2-Dichloroethane-d4

Concen: 19.29 ug/l

RT: 5.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 65 Resp: 464781

Ion Ratio Lower Upper

65 100

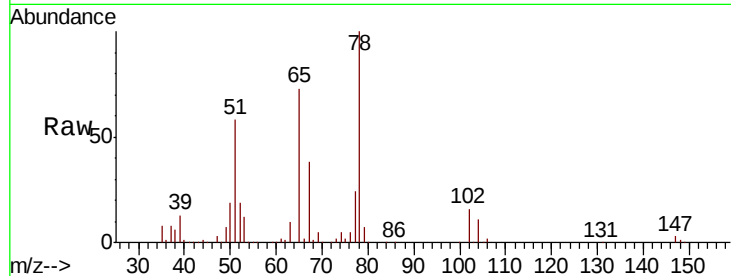
67 52.1 0.0 102.4

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

50000

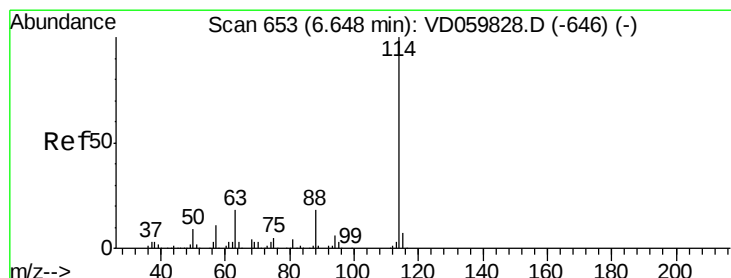
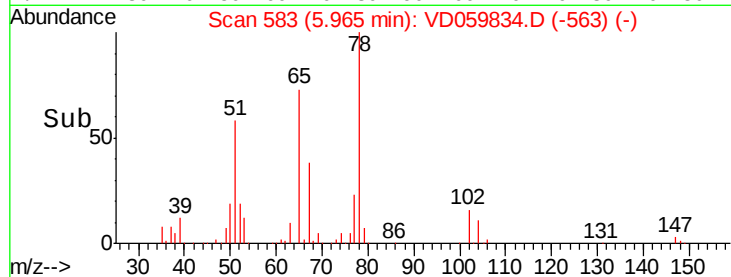
0

5.90

6.00

6.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

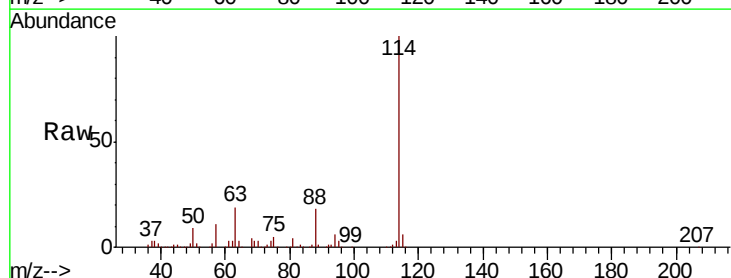
Tgt Ion: 114 Resp: 1550609

Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.0

88 18.4 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

800000

600000

400000

200000

0

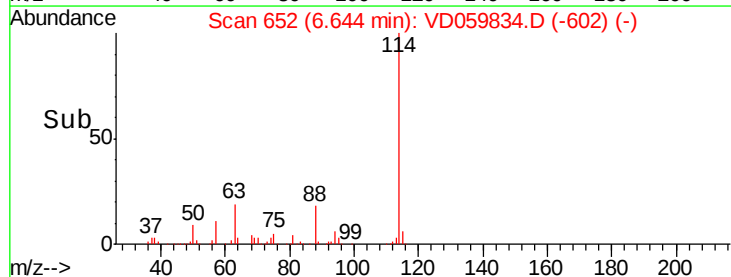
6.40

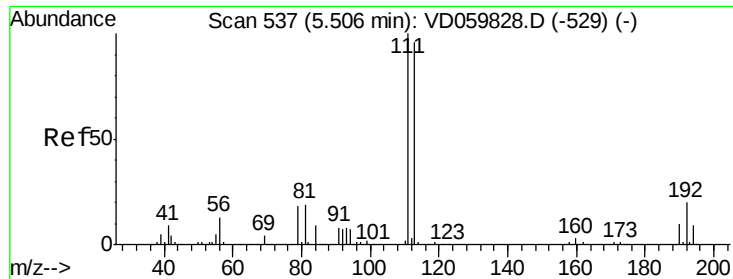
6.60

6.80

7.00

Time-->





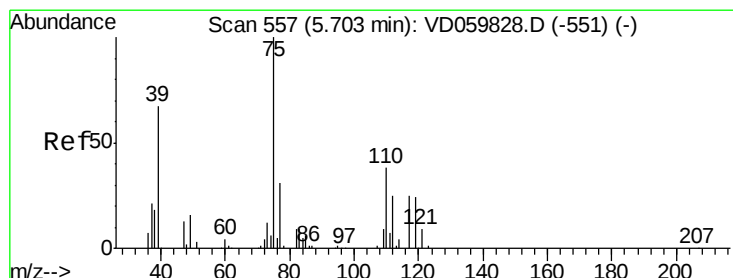
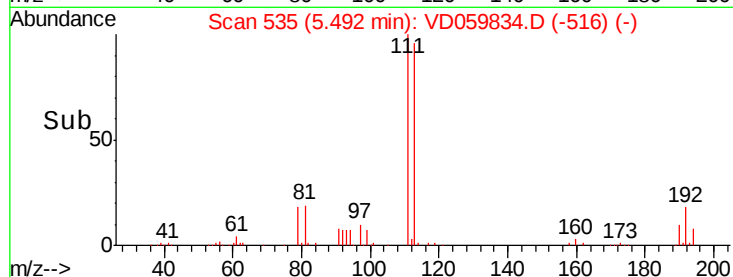
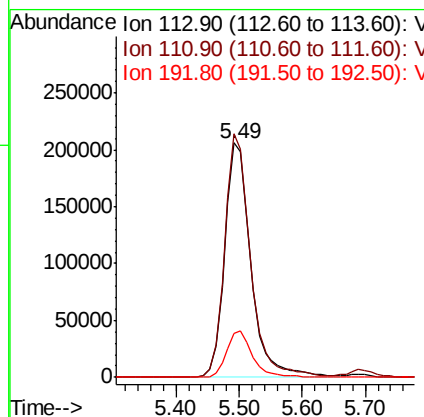
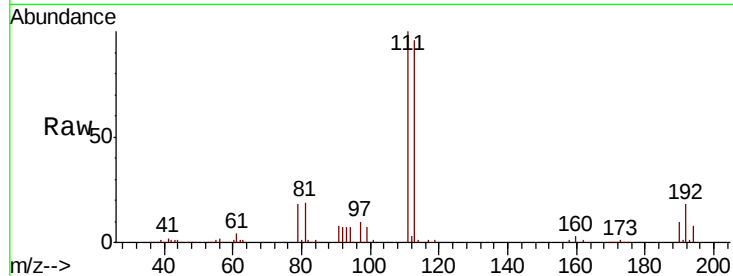
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.49 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	594635		
111	103.9	83.3	124.9	
192	18.6	16.8	25.2	

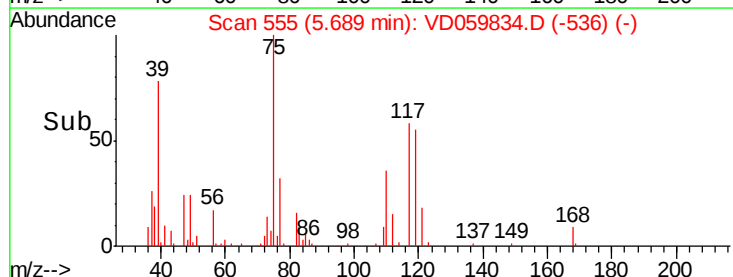
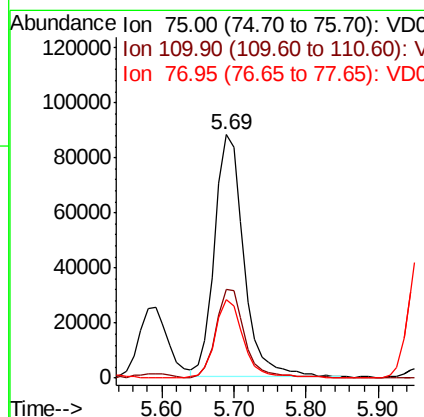
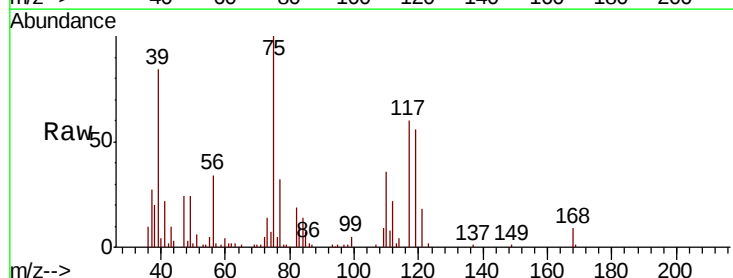
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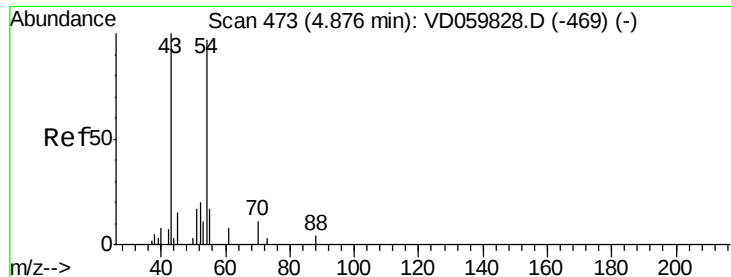
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#36
 1,1-Dichloropropene
 Concen: 18.77 ug/l
 RT: 5.69 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246867		
110	36.2	18.8	56.4	
77	32.1	24.9	37.3	





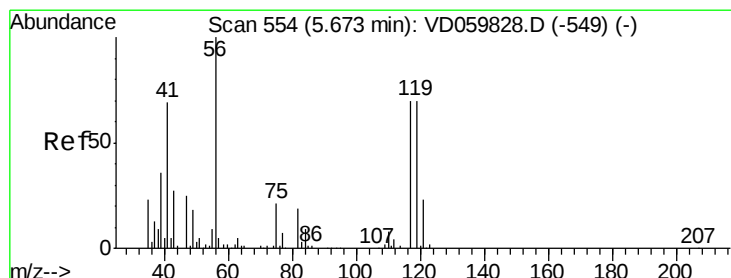
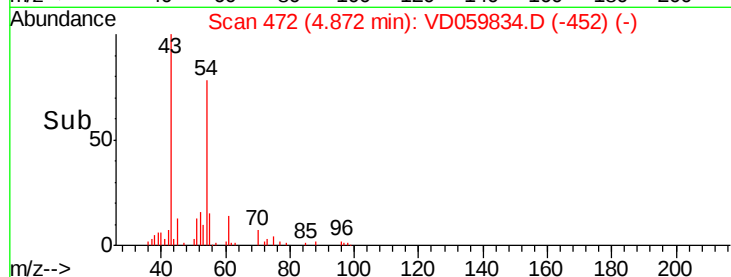
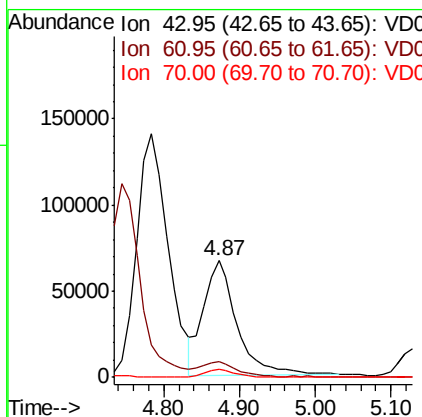
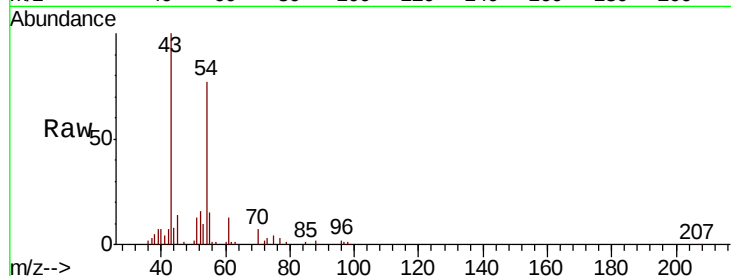
#37
Ethyl Acetate
Concen: 20.83 ug/l
RT: 4.87 min Scan# 472
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.4	15.6
70	6.5	6.2	9.2

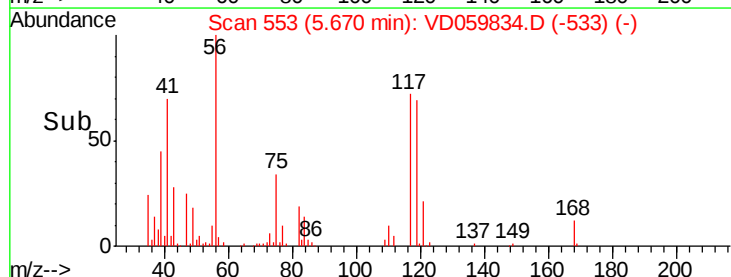
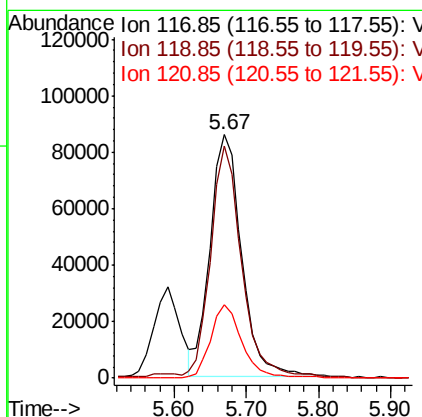
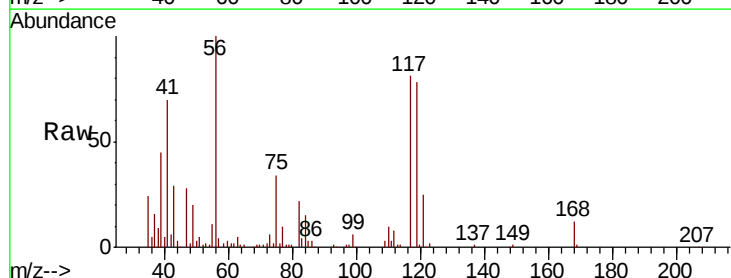
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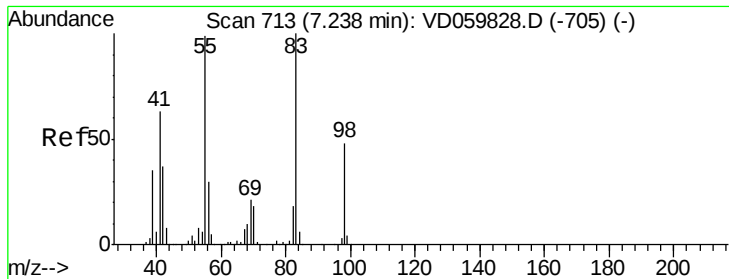
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#38
Carbon Tetrachloride
Concen: 19.74 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.4
121	30.2	24.7	37.1





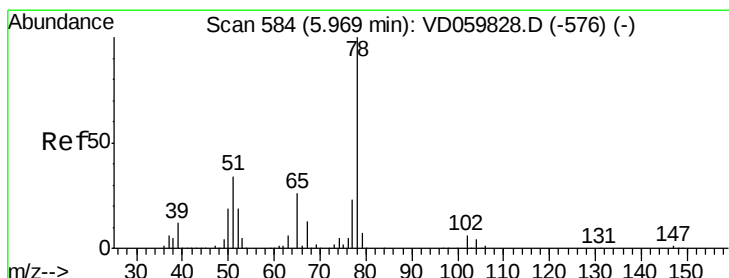
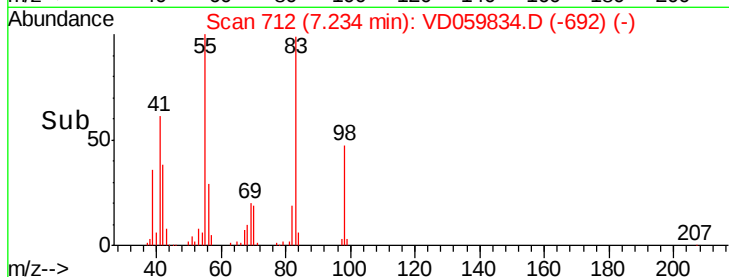
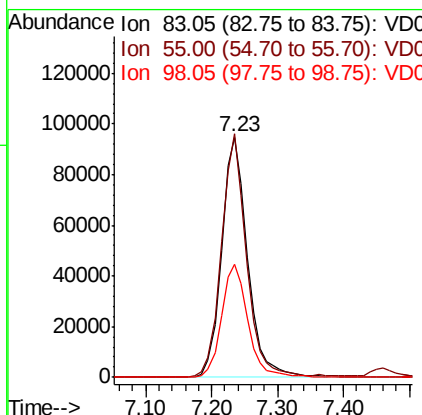
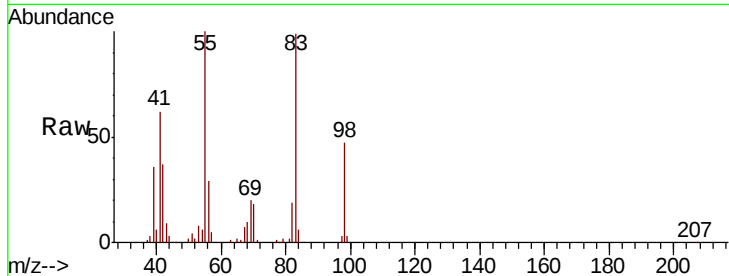
#39
Methvlcvclohexane
Concen: 18.44 ug/l
RT: 7.23 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	83	Resp	259388
Ion Ratio	100	Lower	Upper
83	100		
55	101.5	79.0	118.6
98	47.2	38.1	57.1

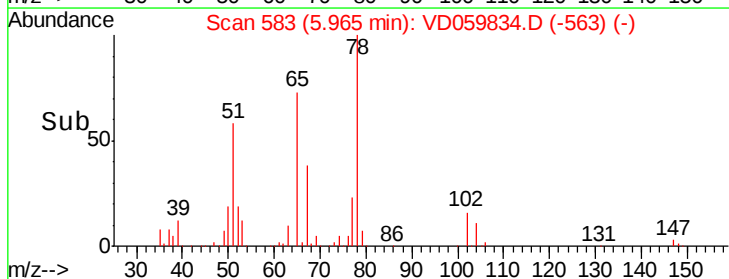
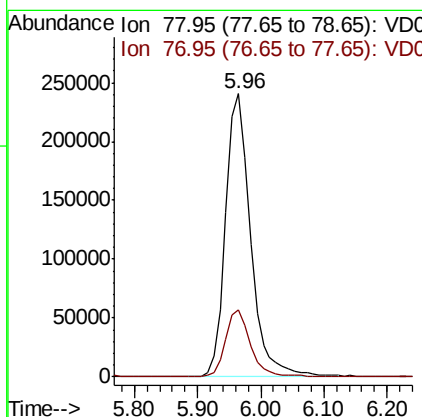
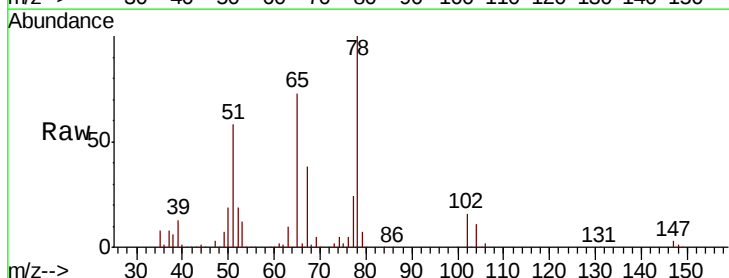
Manual Integrations
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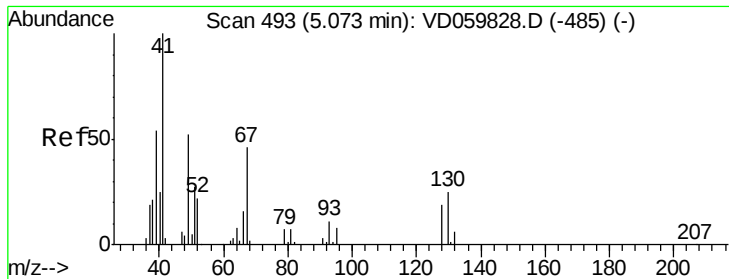
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#40
Benzene
Concen: 19.48 ug/l
RT: 5.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	78	Resp	663844
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.8	28.2





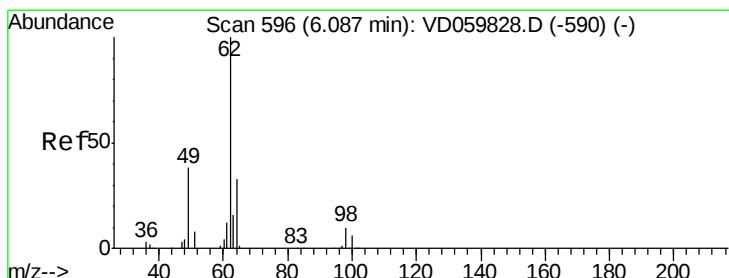
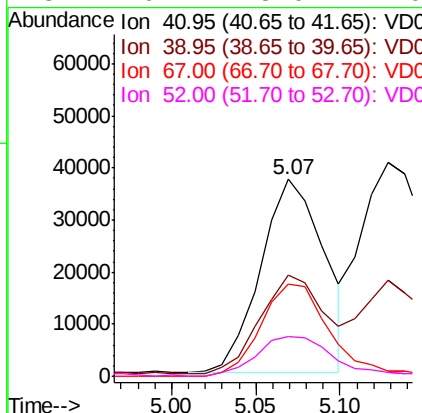
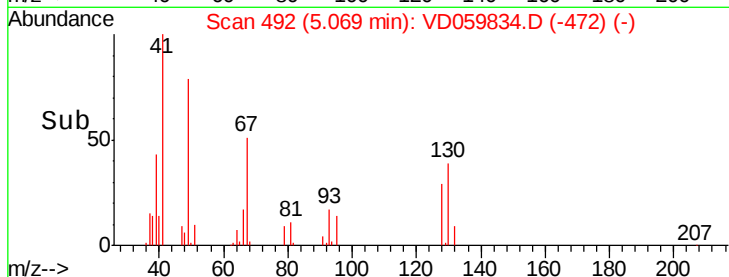
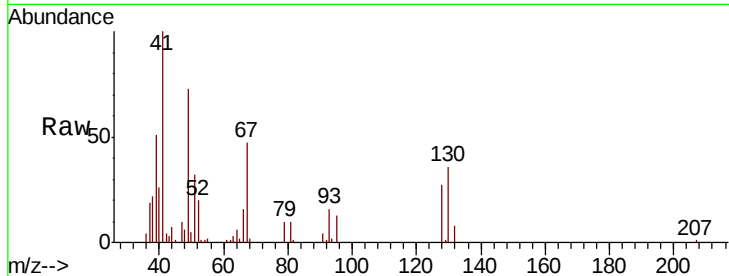
#41
Methacrylonitrile
Concen: 19.61 ug/l
RT: 5.07 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion:	41	Resp:	97907
Ion	Ratio	Lower	Upper
41	100		
39	51.0	43.0	64.6
67	47.0	36.7	55.1
52	20.1	18.0	27.0

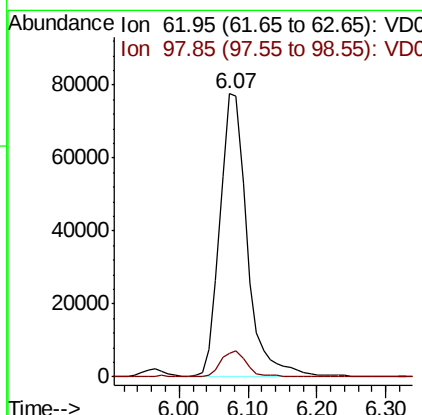
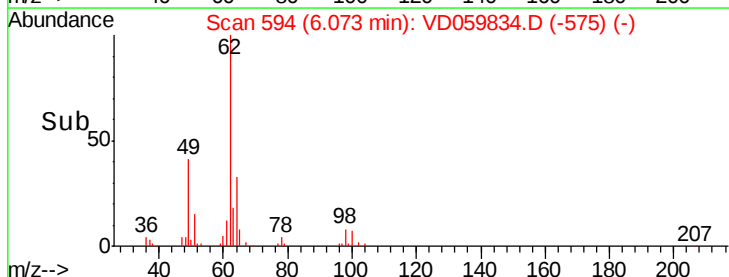
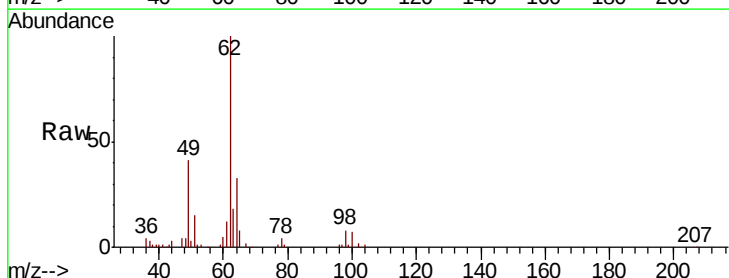
Manual Integrations
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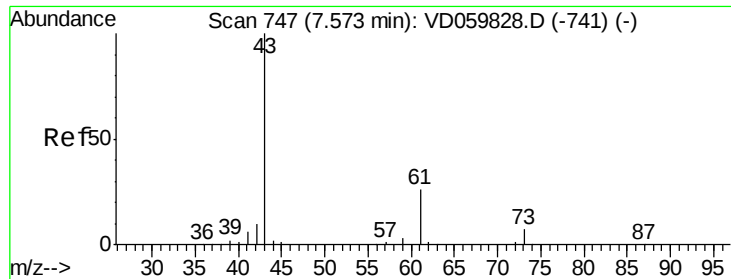
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#42
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion:	62	Resp:	214238
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	19.4





#43

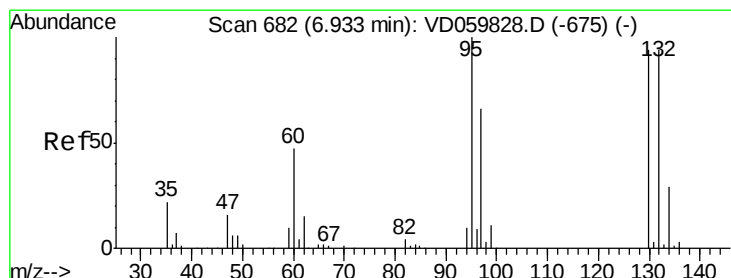
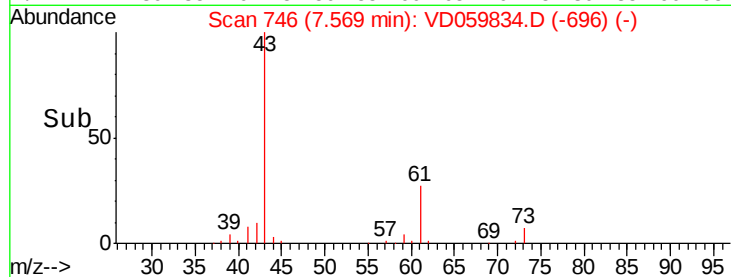
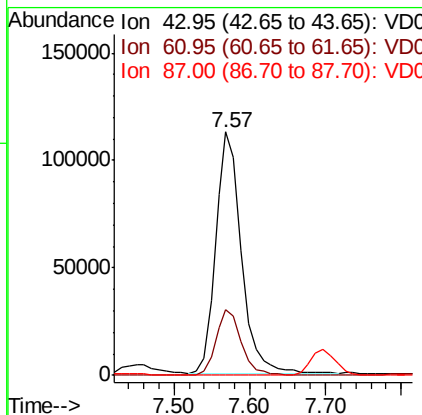
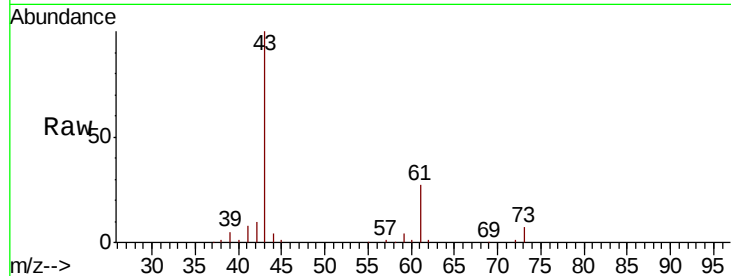
Isopropyl Acetate
 Concen: 19.58 ug/l
 RT: 7.57 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.0	31.4
87	0.0	0.2	0.4

Manual Integrations
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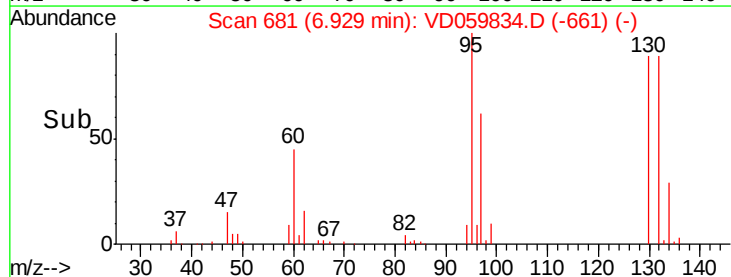
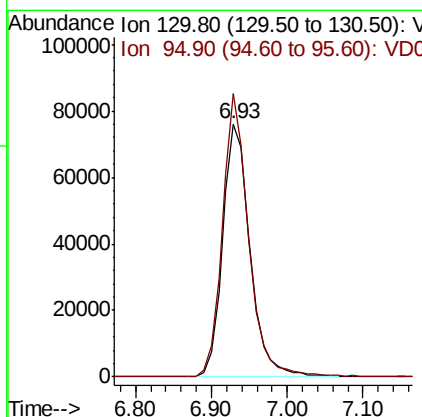
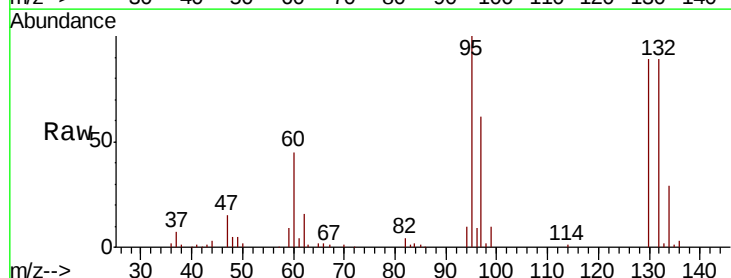
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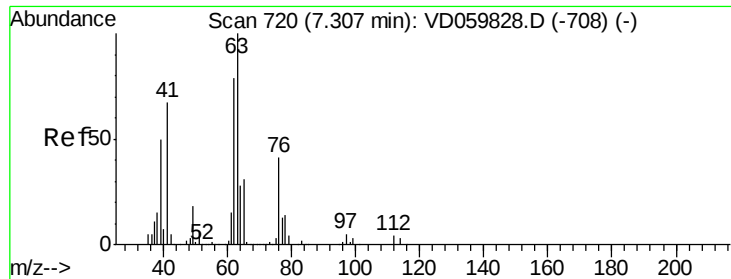


#44

Trichloroethene
 Concen: 18.74 ug/l
 RT: 6.93 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.0	0.0	213.0





#45

1,2-Dichloropropane

Concen: 19.55 ug/l

RT: 7.30 min Scan# 719

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 63 Resp: 195634

Ion Ratio Lower Upper

63 100

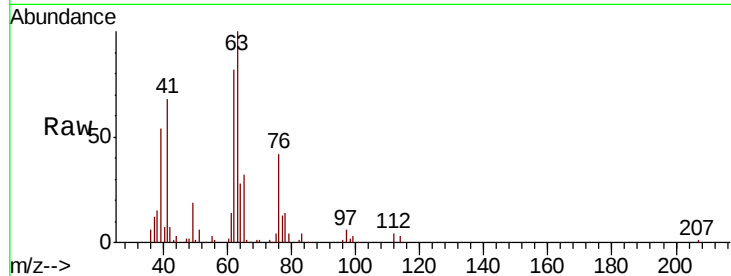
65 32.0 24.5 36.7

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.30

80000

60000

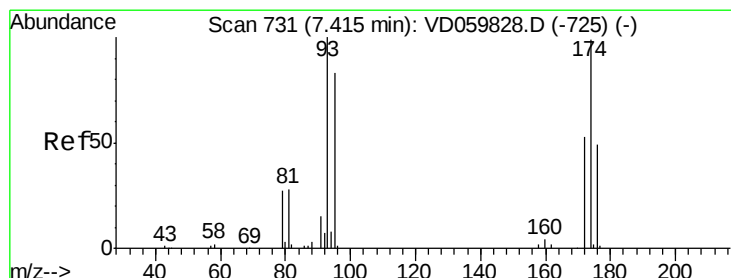
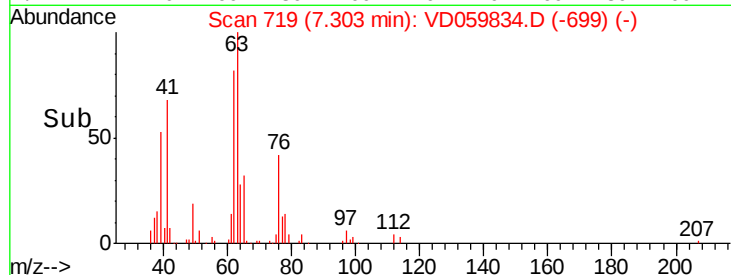
40000

20000

0

7.10 7.20 7.30 7.40 7.50

Time-->



#46

Dibromomethane

Concen: 19.37 ug/l

RT: 7.41 min Scan# 730

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

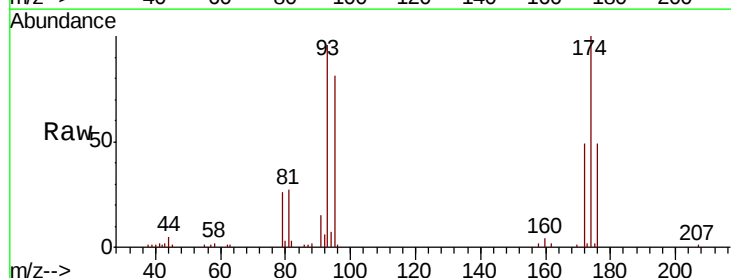
Tgt Ion: 93 Resp: 120654

Ion Ratio Lower Upper

93 100

95 84.7 66.3 99.5

174 104.1 79.4 119.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

60000

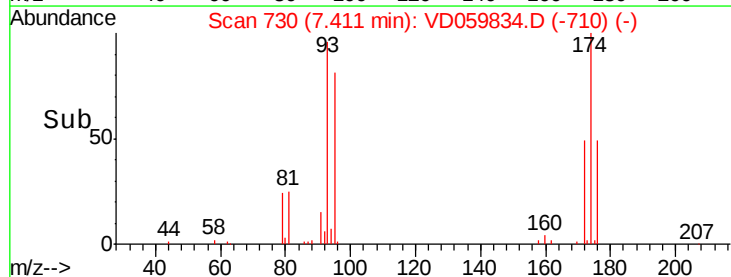
40000

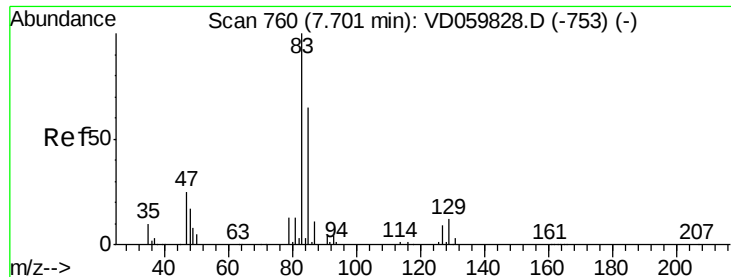
20000

0

7.30 7.40 7.50

Time-->





#47

Bromodichloromethane

Concen: 19.53 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

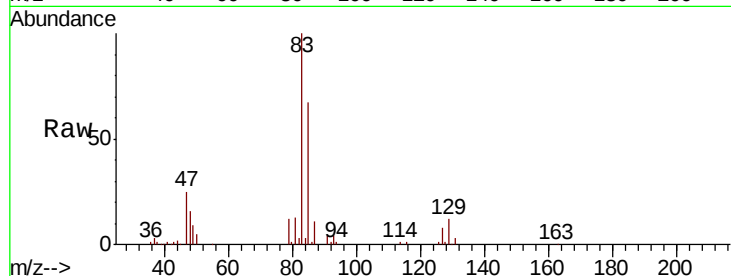
ClientSampleId :

VD0820SBS01

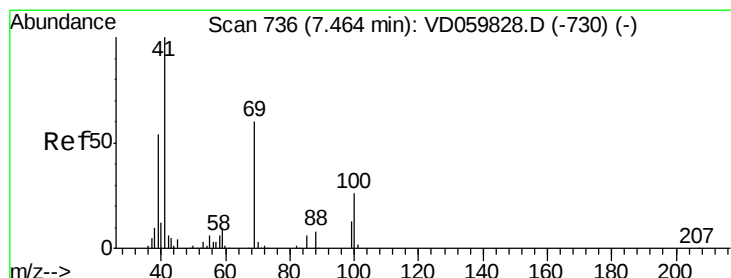
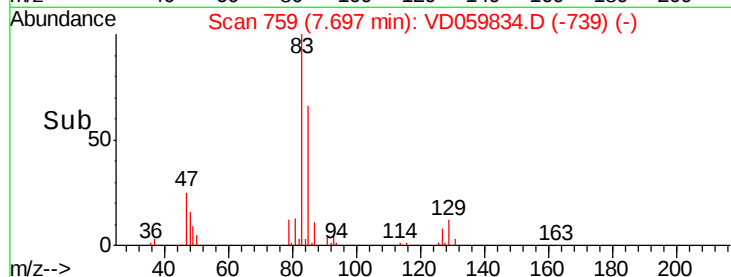
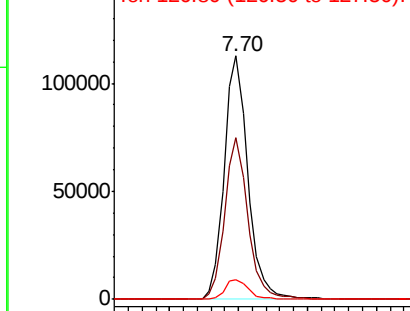
Tot Ion:	83	Resp:	268536
Ion Ratio	Lower	Upper	
83	100		
85	66.7	52.2	78.4
127	8.3	7.1	10.7

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.84 ug/l

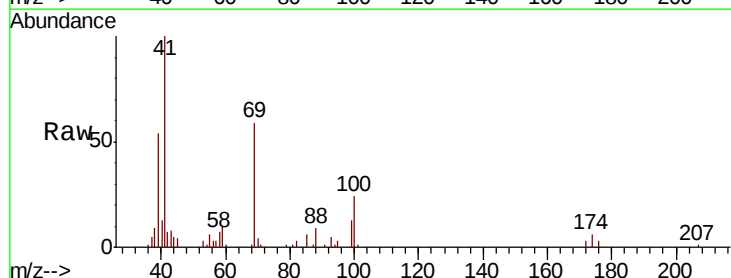
RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

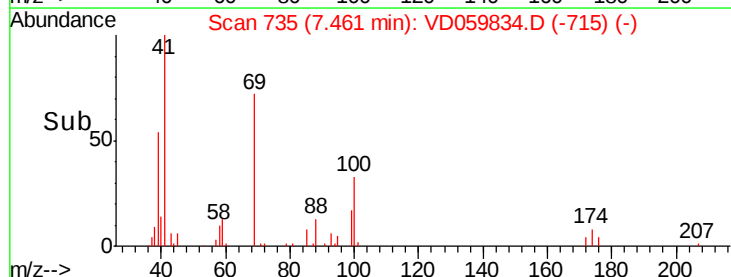
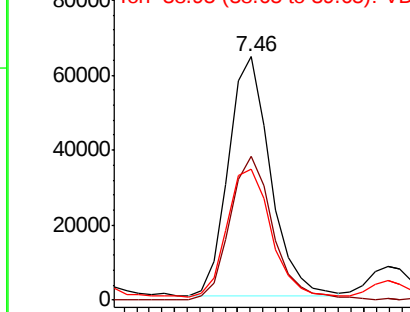
Lab File: VD059834.D

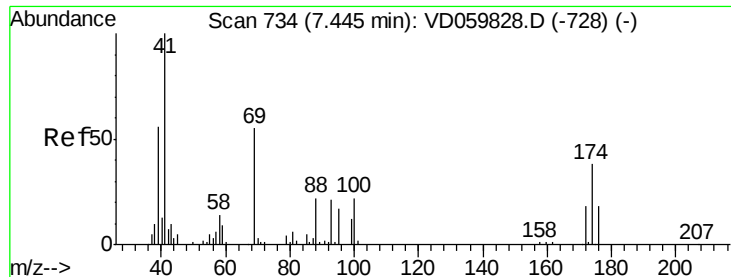
Acq: 20 Aug 2018 16:50

Tgt Ion:	41	Resp:	147552
Ion Ratio	Lower	Upper	
41	100		
69	59.0	47.0	70.4
39	54.0	43.4	65.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





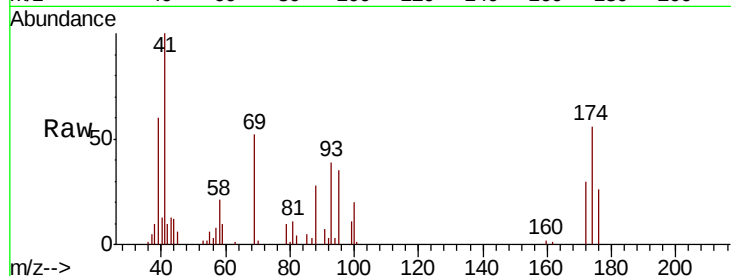
#49
1,4-Dioxane
Concen: 442.01 ug/l
RT: 7.44 min Scan# 733
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

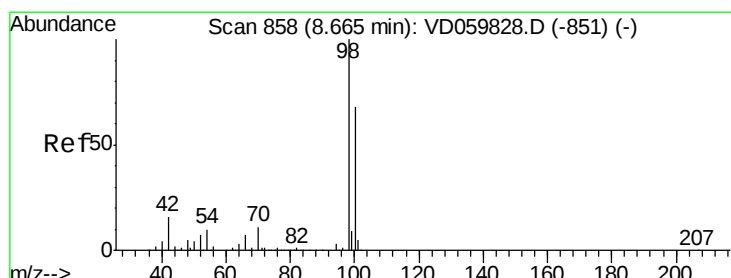
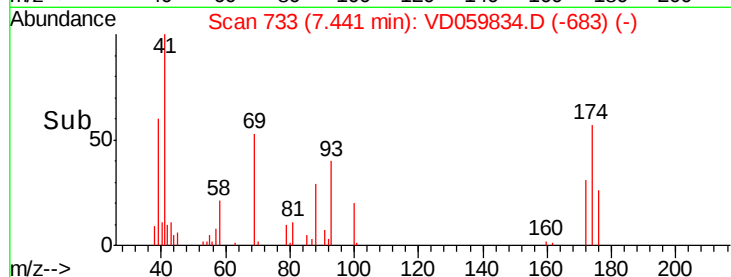
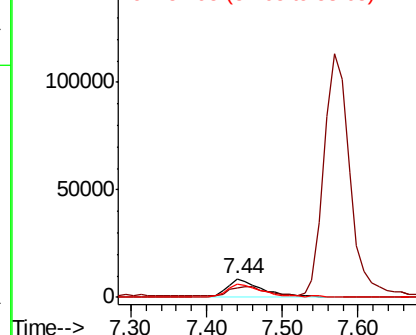
Tot Ion	Ratio	Resp	Lower	Upper
88	100	27816		
43	46.9		41.4	62.0
58	72.5		52.4	78.6

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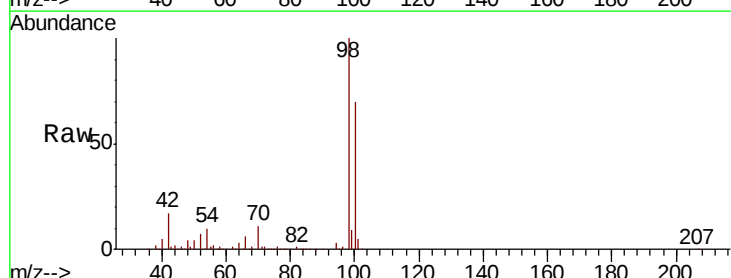


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

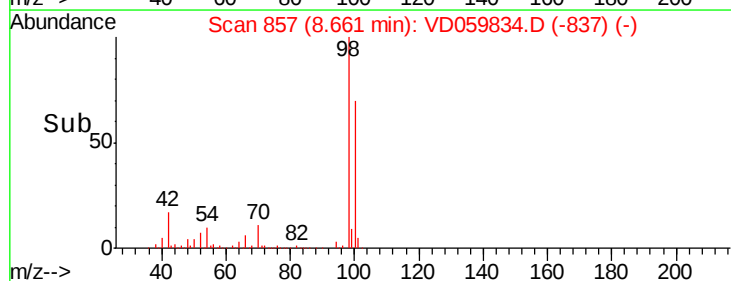
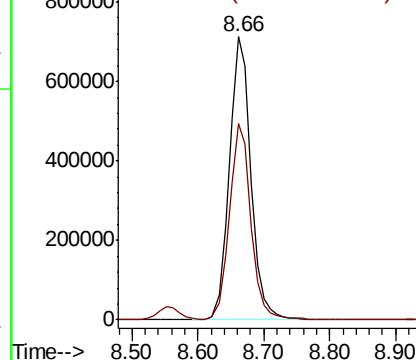


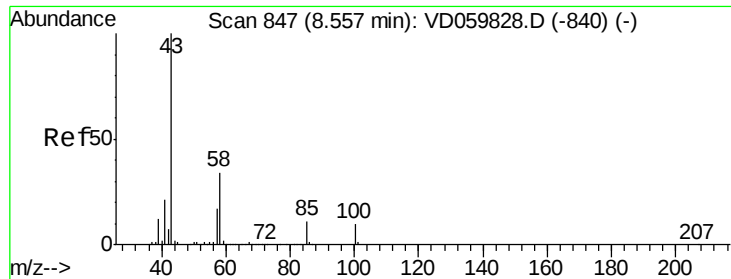
#50
Toluene-d8
Concen: 442.01 ug/l
RT: 8.66 min Scan# 857
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1634218		
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: 94.50 ug/l

RT: 8.55 min Scan# 846

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 43 Resp: 851866

Ion Ratio Lower Upper

43 100

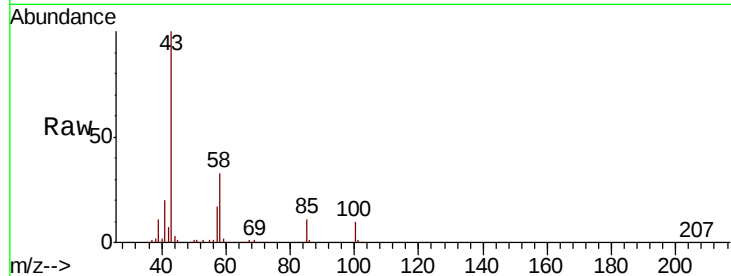
58 32.7 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.55

400000

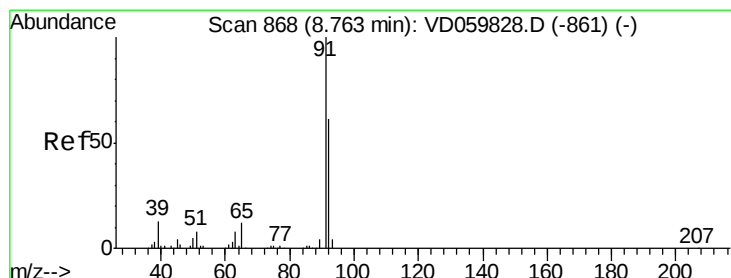
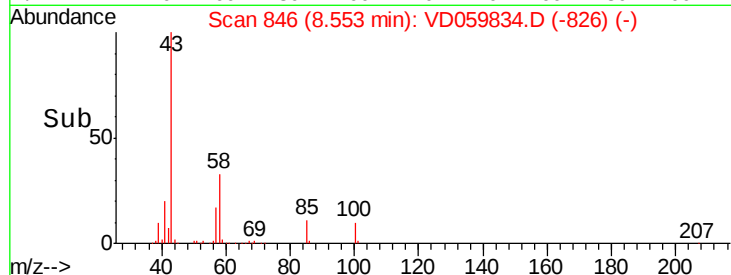
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.05 ug/l

RT: 8.76 min Scan# 867

Delta R.T. -0.00 min

Lab File: VD059834.D

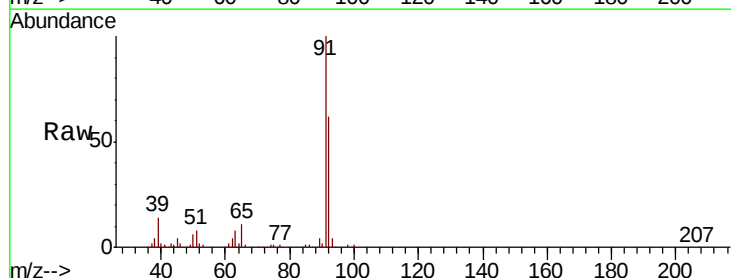
Acq: 20 Aug 2018 16:50

Tgt Ion: 92 Resp: 431979

Ion Ratio Lower Upper

92 100

91 162.0 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.76

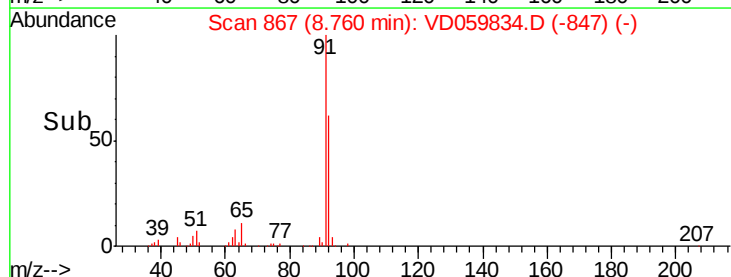
300000

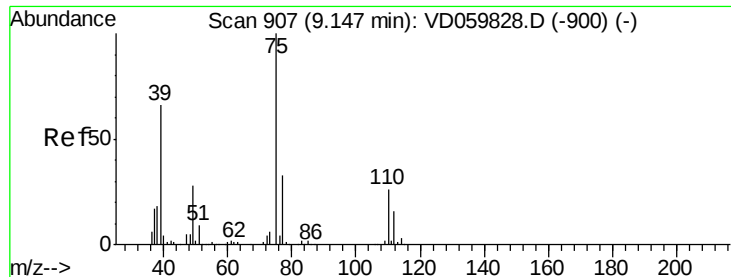
200000

100000

0

Time-->





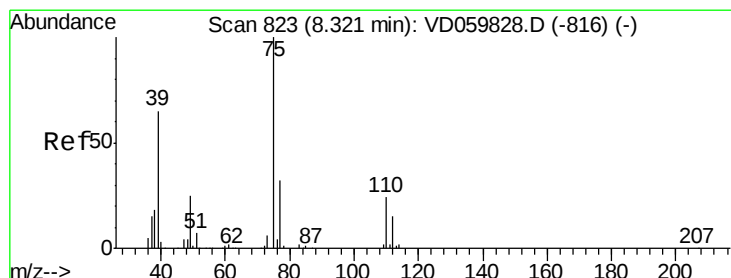
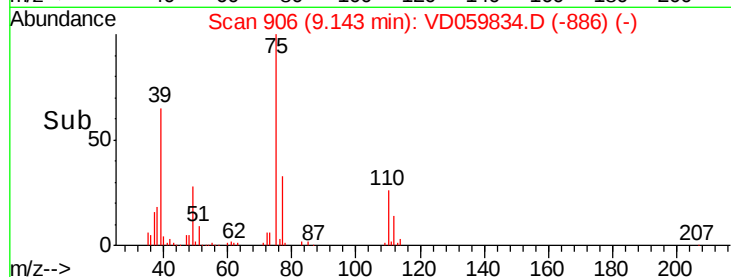
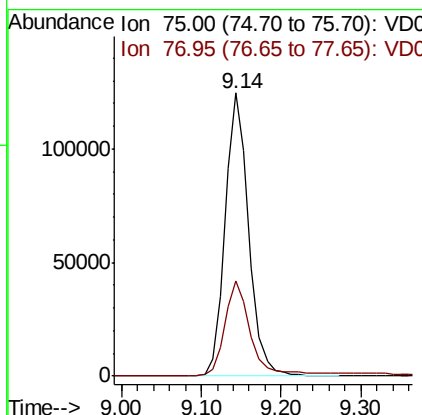
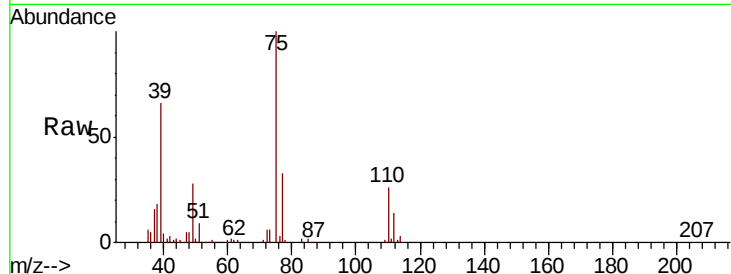
#53
 t-1,3-Dichloropropene
 Concen: 20.60 ug/l
 RT: 9.14 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion: 75 Resp: 258029
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.3 39.5

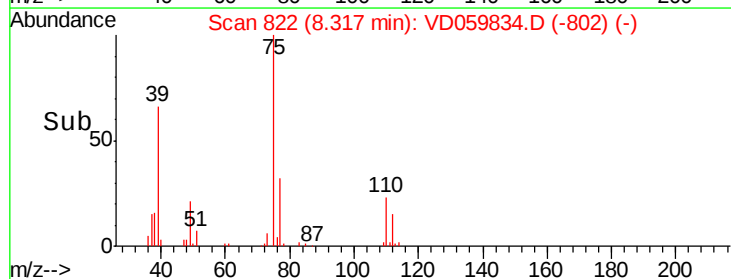
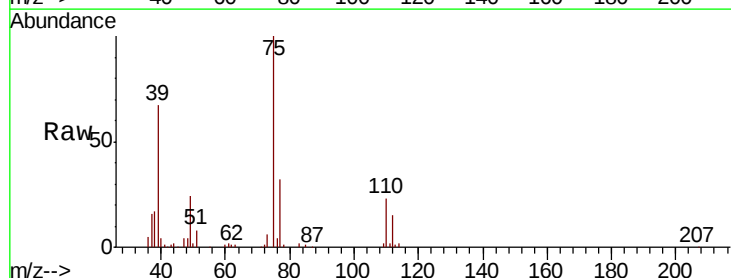
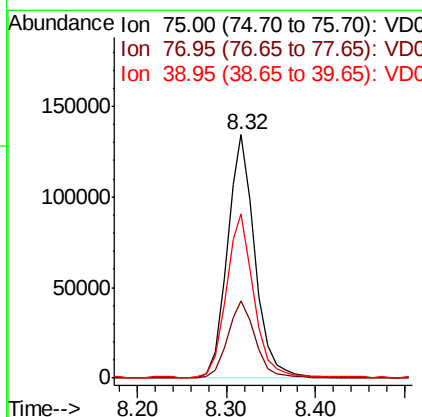
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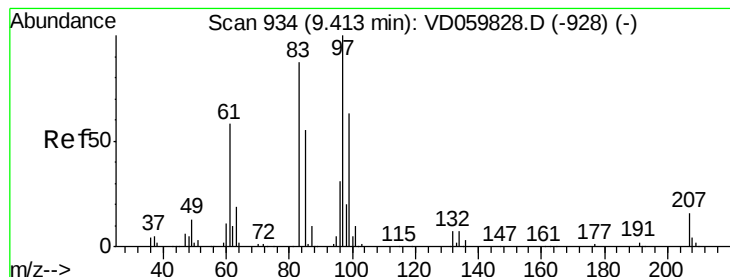
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#54
 cis-1,3-Dichloropropene
 Concen: 19.37 ug/l
 RT: 8.32 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion: 75 Resp: 290614
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8
 39 67.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 19.77 ug/l

RT: 9.41 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 97 Resp: 153776

Ion Ratio Lower Upper

97 100

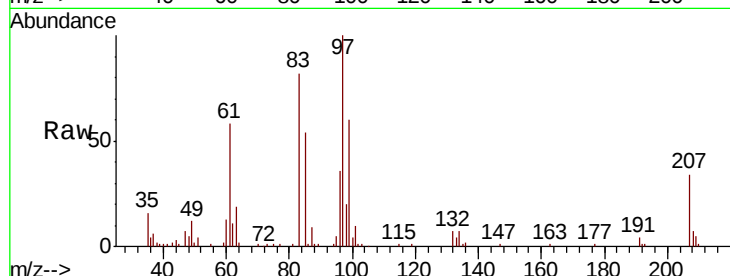
83 81.8 69.2 103.8

85 53.6 44.3 66.5

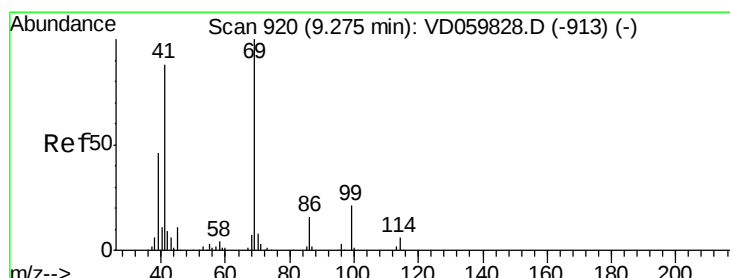
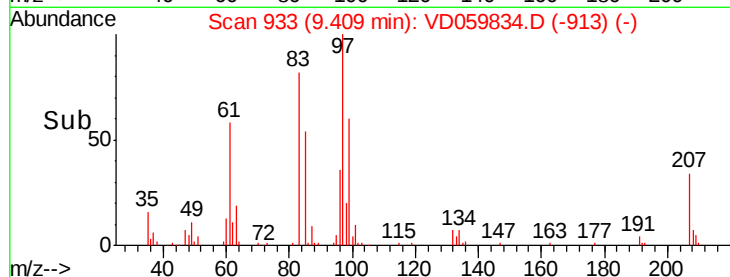
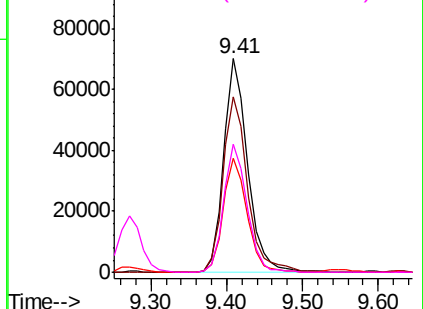
99 60.1 50.6 76.0

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Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.18 ug/l

RT: 9.27 min Scan# 919

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

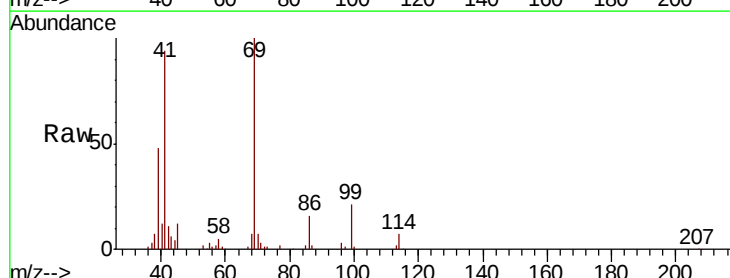
Tgt Ion: 69 Resp: 181011

Ion Ratio Lower Upper

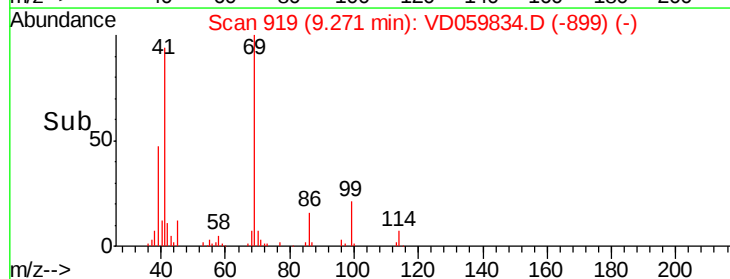
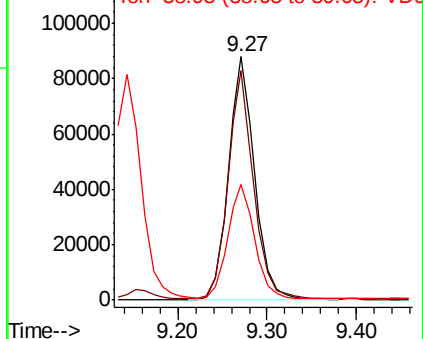
69 100

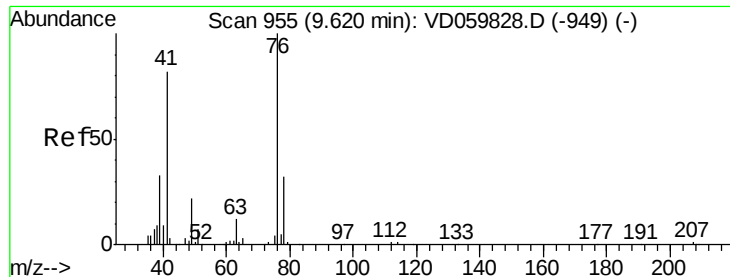
41 94.1 71.0 106.4

39 47.6 38.0 57.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 19.64 ug/l

RT: 9.63 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tot Ion: 76 Resp: 223345

Ion Ratio Lower Upper

76 100

78 31.5 25.5 38.3

Instrument :

MSVOA_D

ClientSampleId :

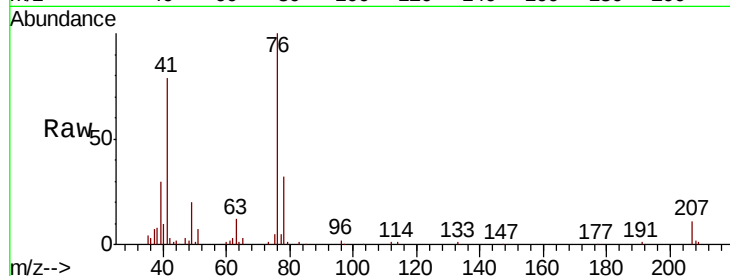
VD0820SBS01

Manual Integrations

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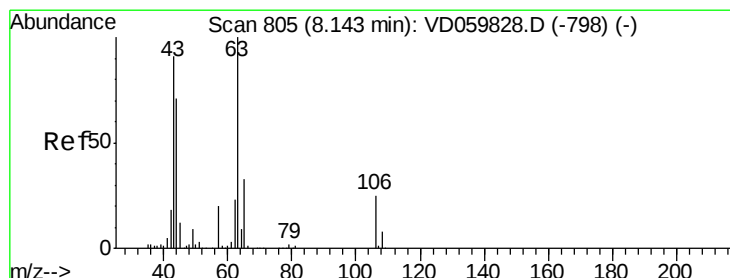
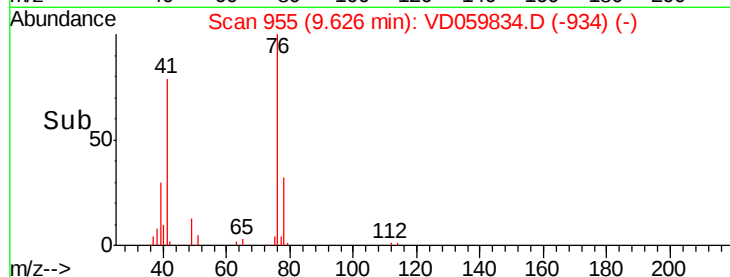
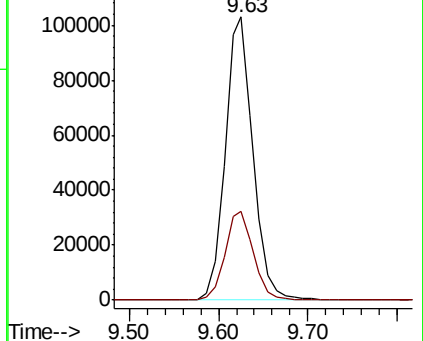
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.26 ug/l

RT: 8.14 min Scan# 804

Delta R.T. -0.00 min

Lab File: VD059834.D

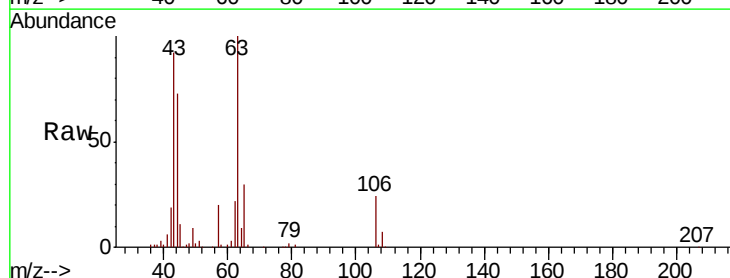
Acq: 20 Aug 2018 16:50

Tgt Ion: 63 Resp: 503752

Ion Ratio Lower Upper

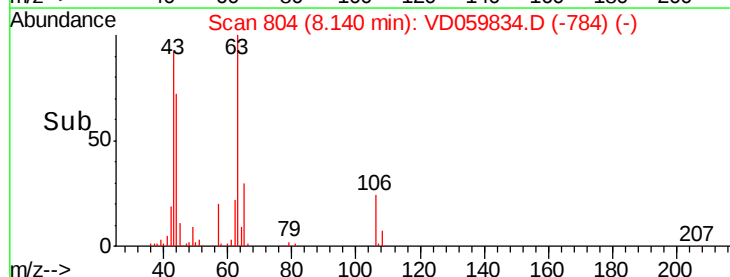
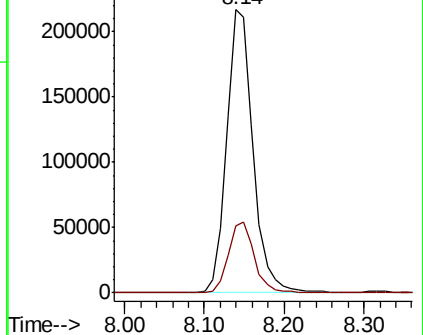
63 100

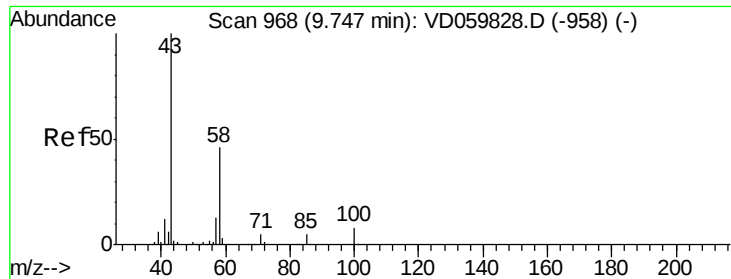
106 23.6 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





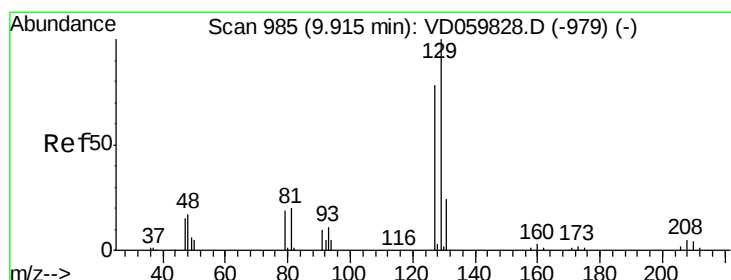
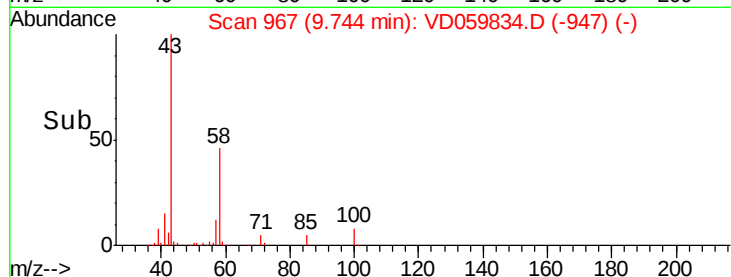
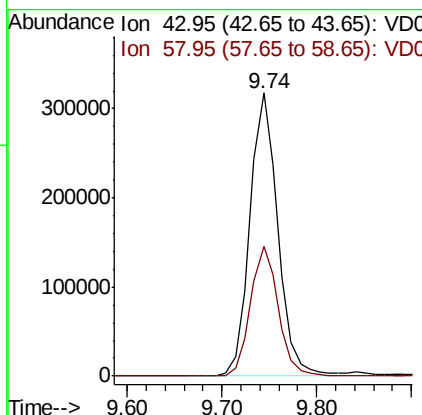
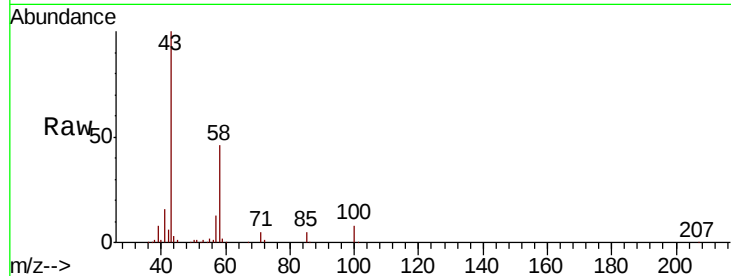
#59
2-Hexanone
Concen: 97.07 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion: 43 Resp: 646771
Ion Ratio Lower Upper
43 100
58 45.9 23.1 69.2

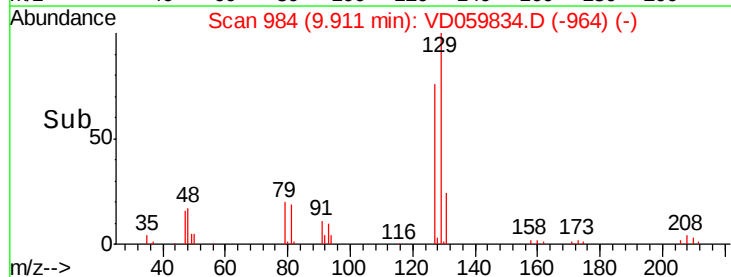
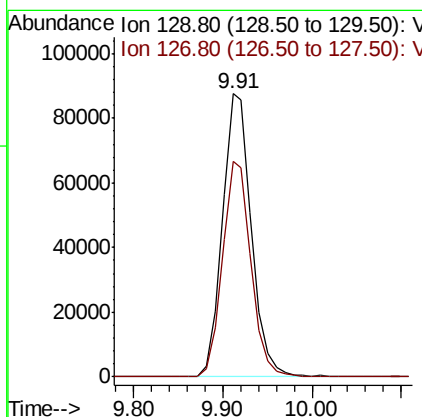
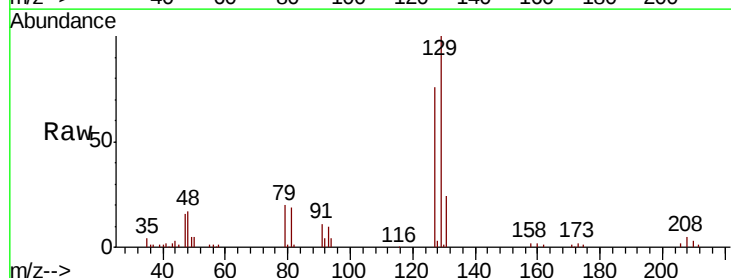
Manual Integrations
APPROVED

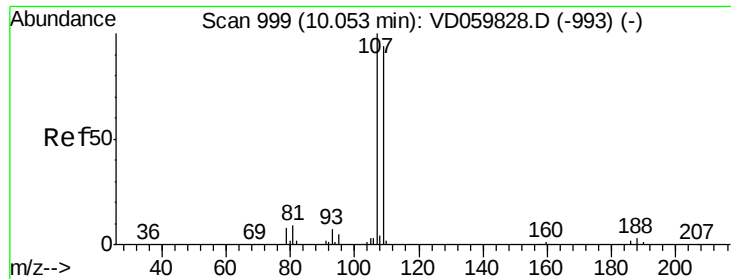
apatel
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#60
Dibromochloromethane
Concen: 19.92 ug/l
RT: 9.91 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion: 129 Resp: 199458
Ion Ratio Lower Upper
129 100
127 76.0 39.0 116.9





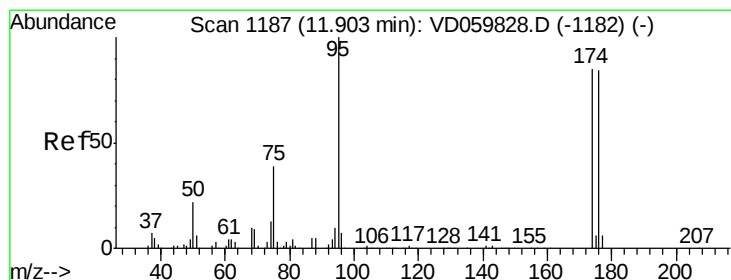
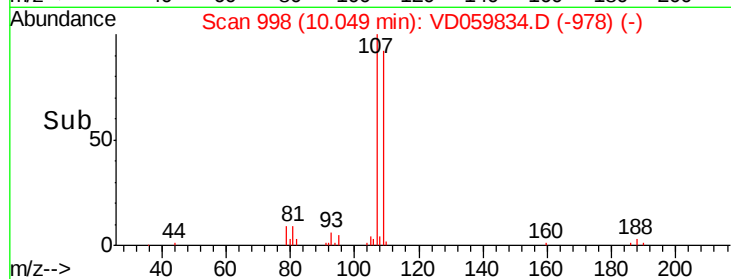
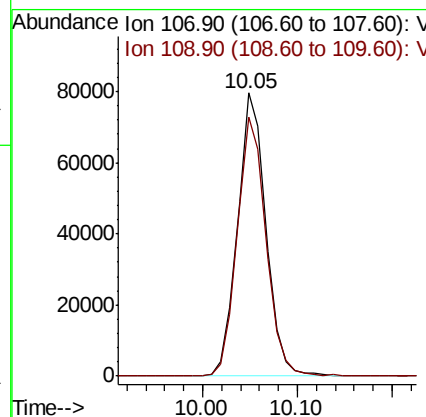
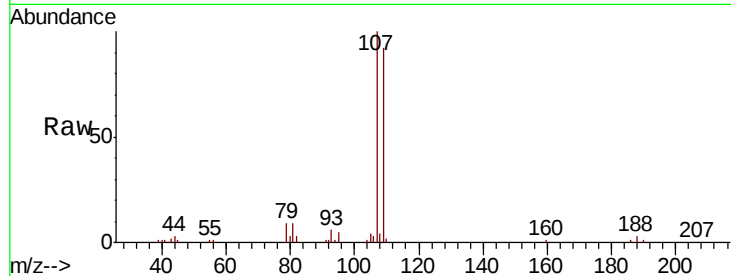
#61
 1,2-Dibromoethane
 Concen: 19.78 ug/l
 RT: 10.05 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.0	112.6

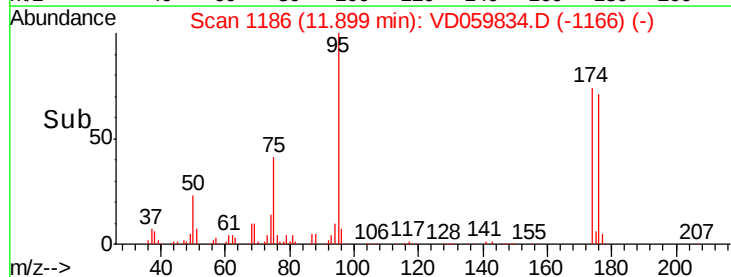
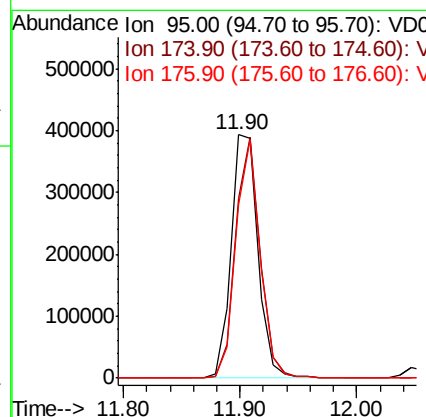
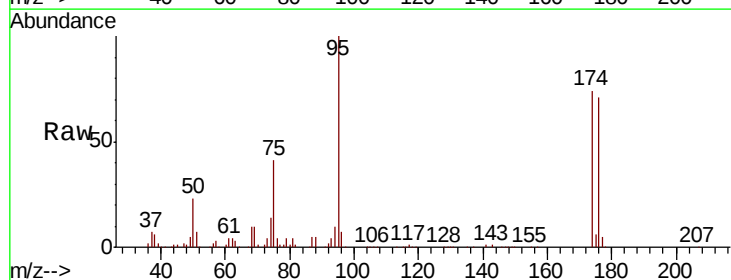
Manual Integrations
 APPROVED

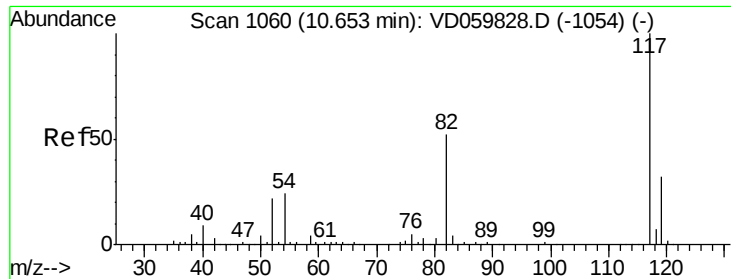
apatel
 8/21/2018 10:24:51 AM



#62
 4-Bromofluorobenzene
 Concen: 19.78 ug/l
 RT: 11.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	169.2
176	70.9	0.0	168.0





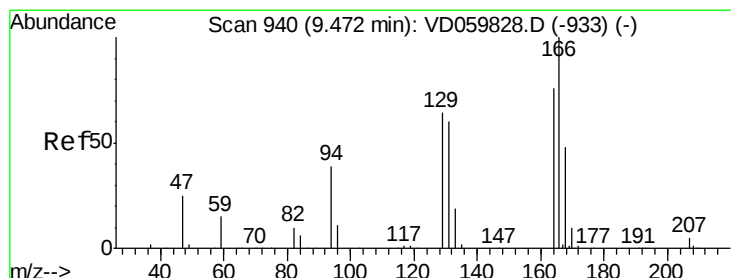
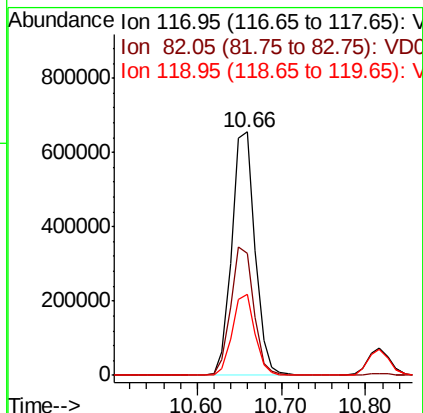
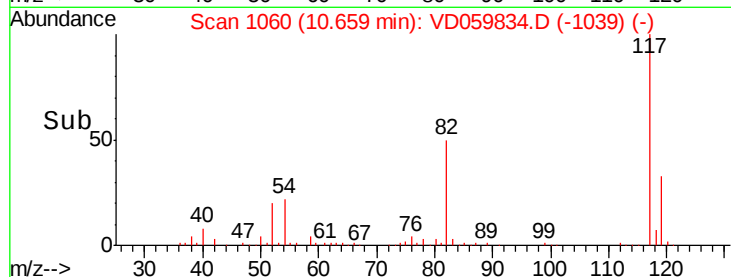
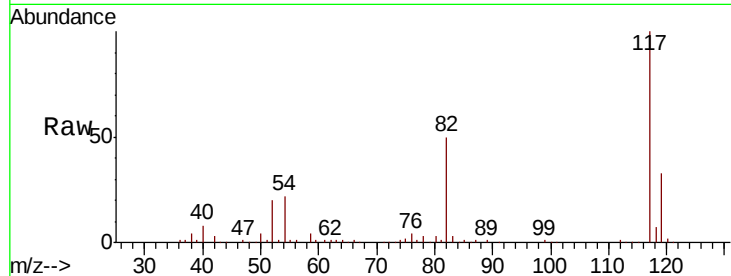
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	41.6	62.4
119	33.0	25.6	38.4

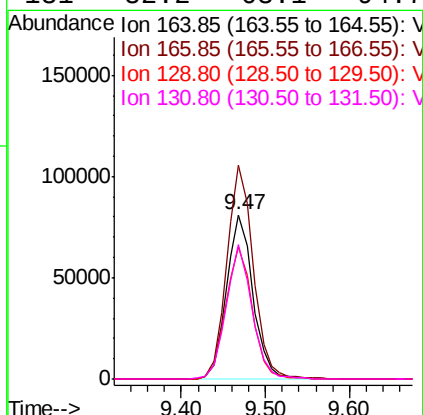
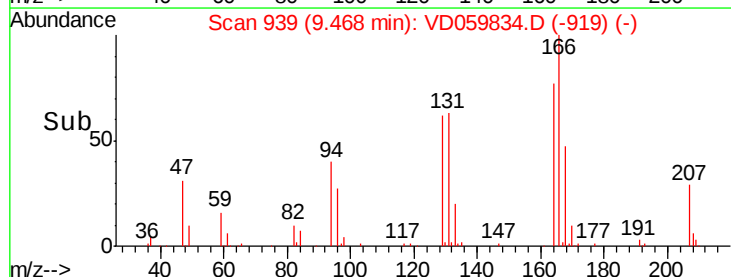
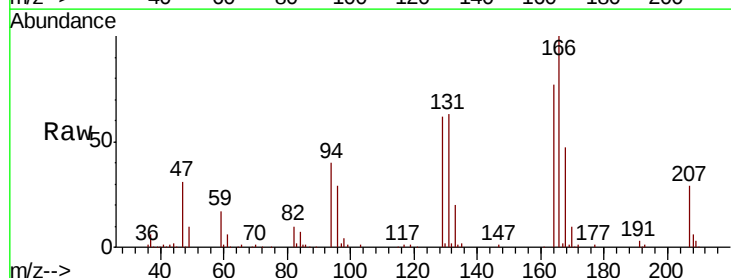
Manual Integrations
APPROVED

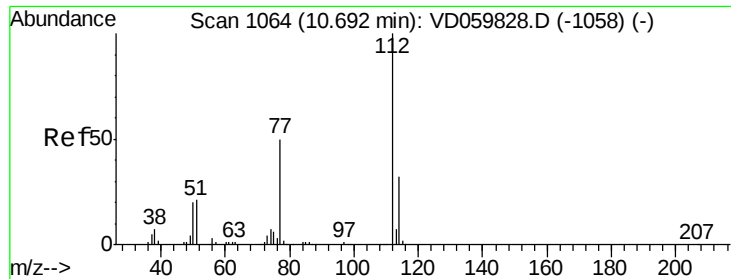
apatel
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#64
Tetrachloroethene
Concen: 19.06 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.9	157.3
129	80.5	66.7	100.1
131	82.2	63.1	94.7





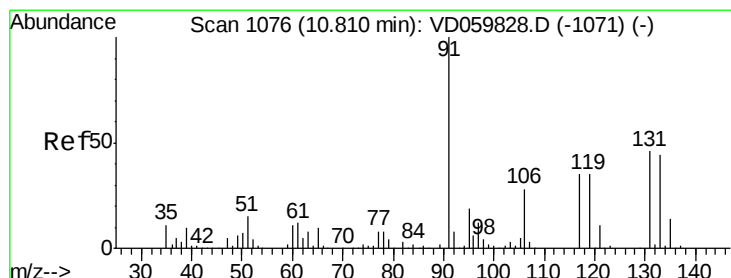
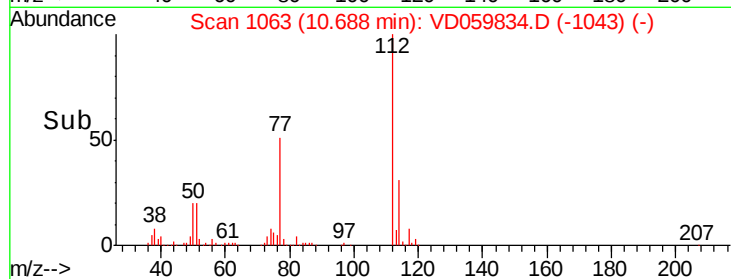
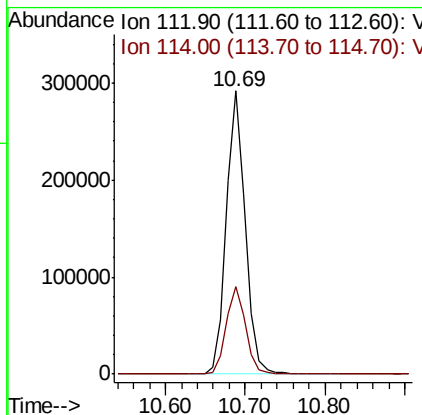
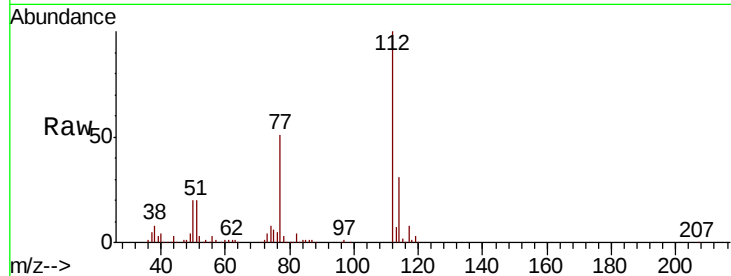
#65
Chlorobenzene
Concen: 20.08 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion:112 Resp: 489042
Ion Ratio Lower Upper
112 100
114 30.7 25.7 38.5

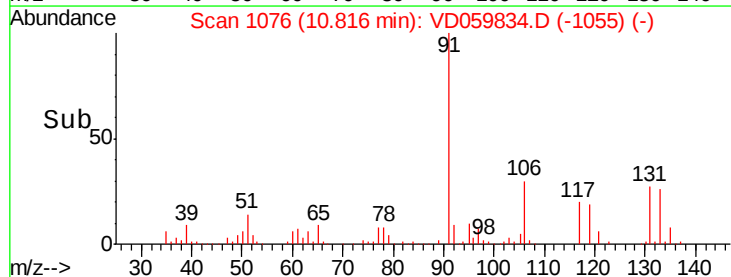
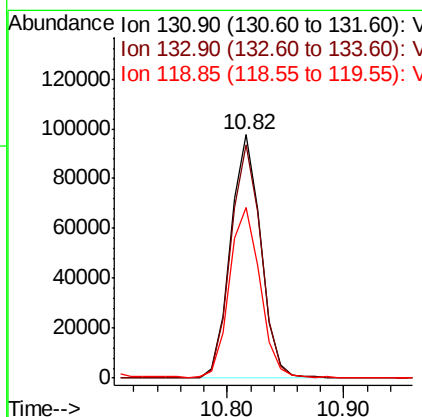
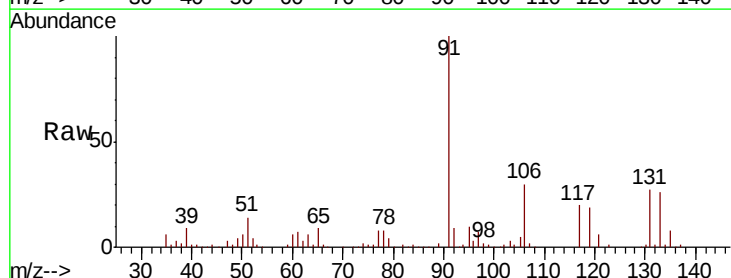
Manual Integrations
APPROVED

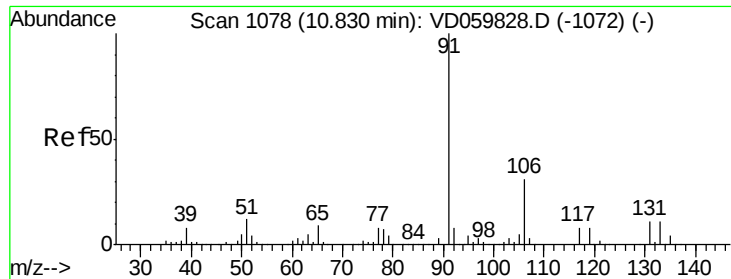
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.01 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion:131 Resp: 174656
Ion Ratio Lower Upper
131 100
133 96.1 47.1 141.4
119 70.2 37.5 112.7





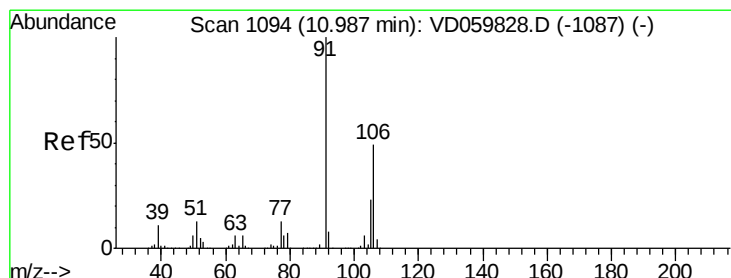
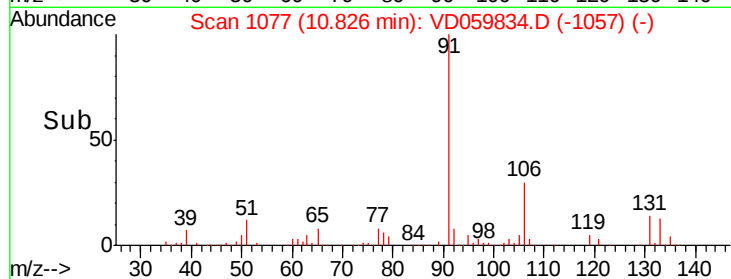
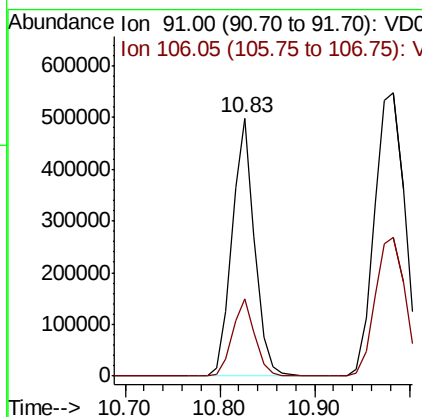
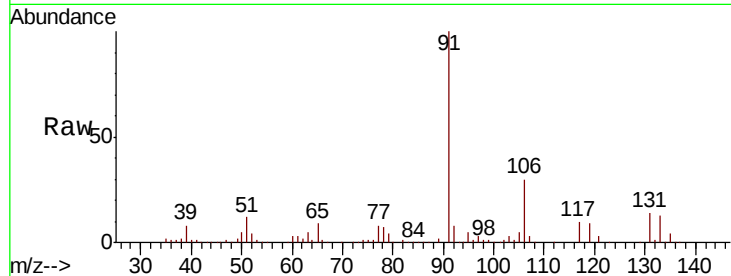
#67
Ethyl Benzene
Concen: 18.67 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion: 91 Resp: 817614
Ion Ratio Lower Upper
91 100
106 29.8 25.1 37.7

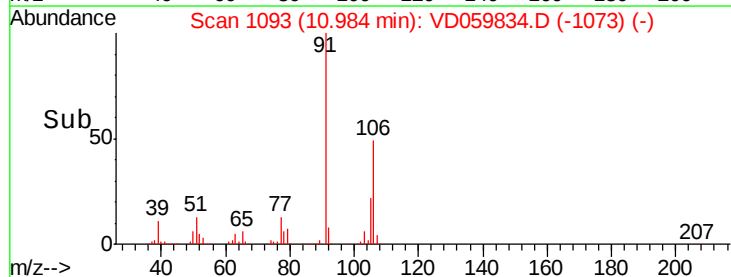
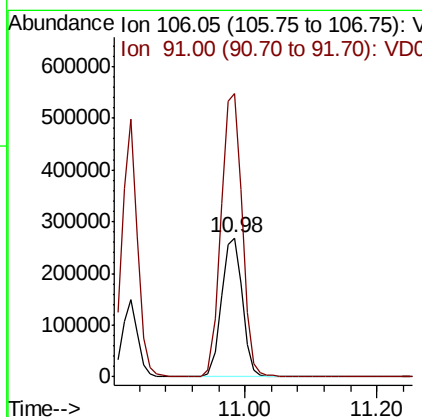
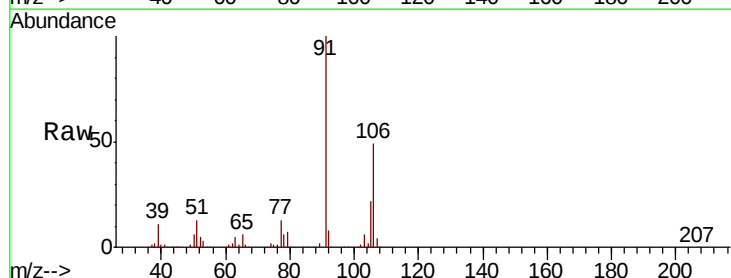
Manual Integrations
APPROVED

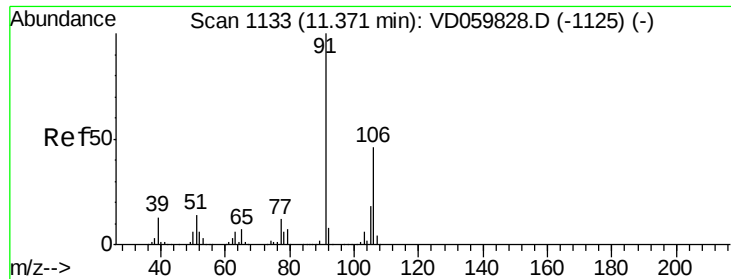
apatel
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#68
m/p-Xylenes
Concen: 37.01 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion: 106 Resp: 594005
Ion Ratio Lower Upper
106 100
91 203.5 161.8 242.8





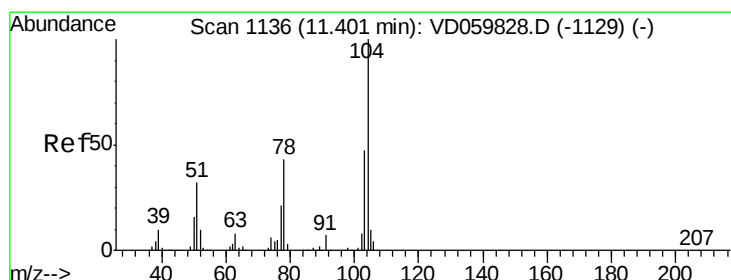
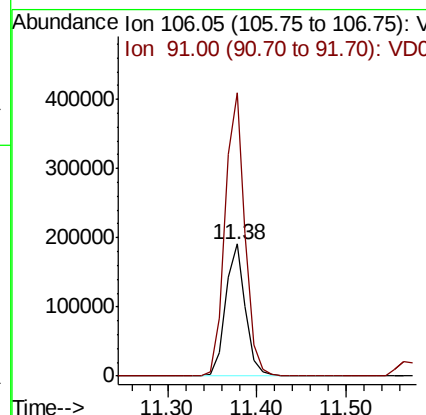
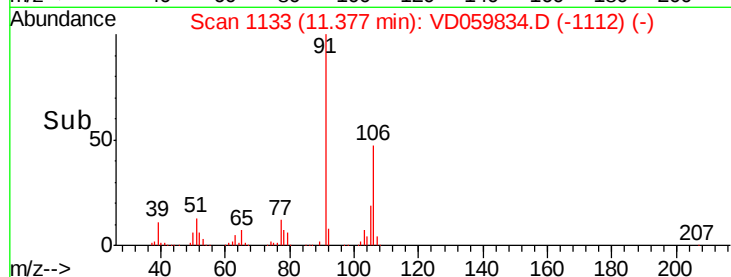
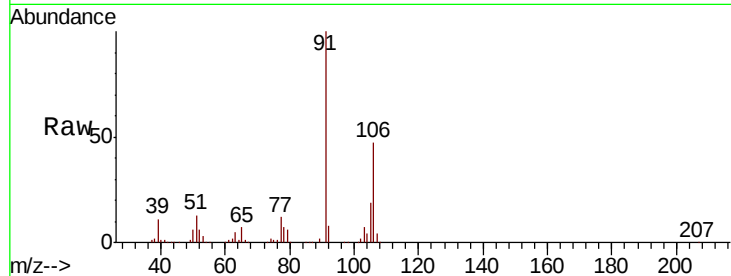
#69
o-Xylene
Concen: 21.10 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	297770		
91	214.4	108.5	325.3	

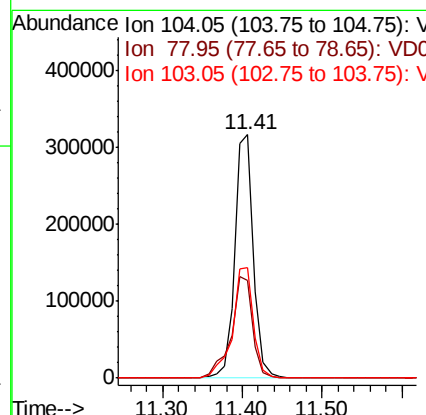
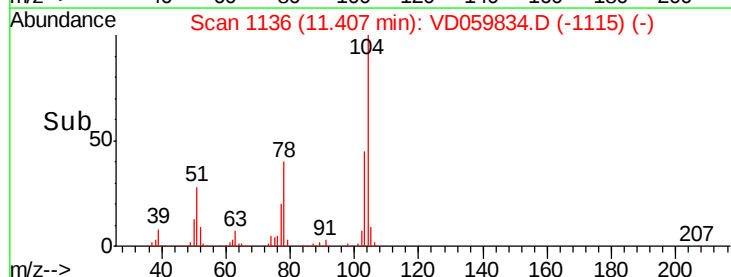
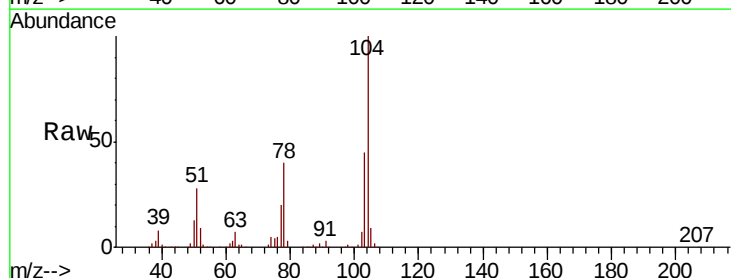
Manual Integrations
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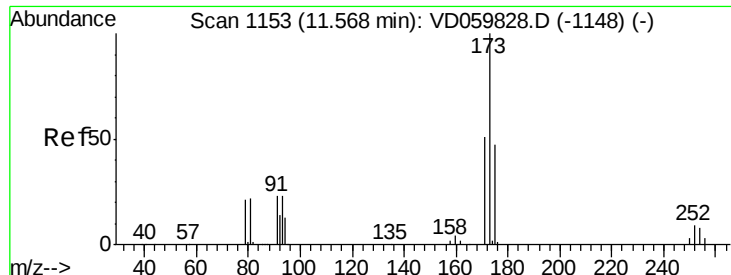
apatel
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#70
Styrene
Concen: 21.17 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	520330		
78	39.9	34.6	52.0	
103	45.3	37.8	56.6	





#71

Bromoform

Concen: 19.88 ug/l

RT: 11.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

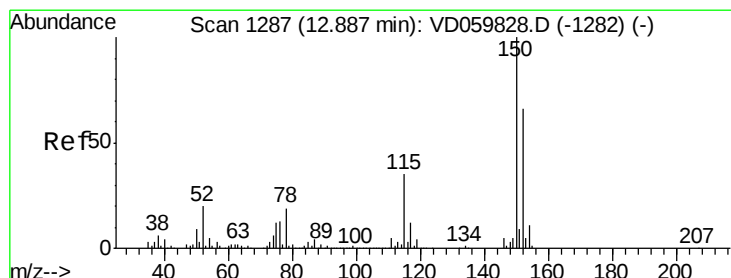
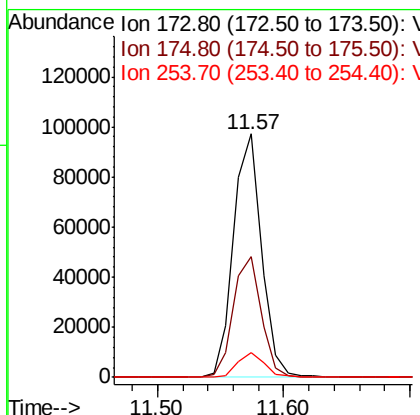
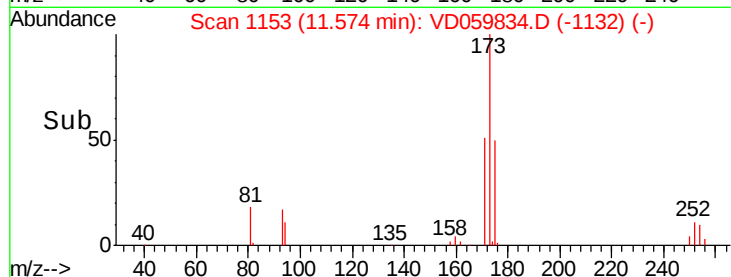
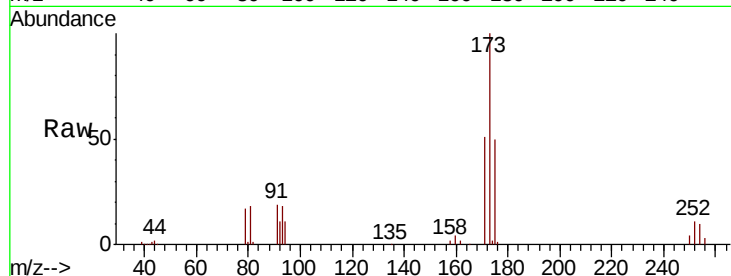
ClientSampleId :

VD0820SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.7	71.1
254	10.3	6.7	10.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

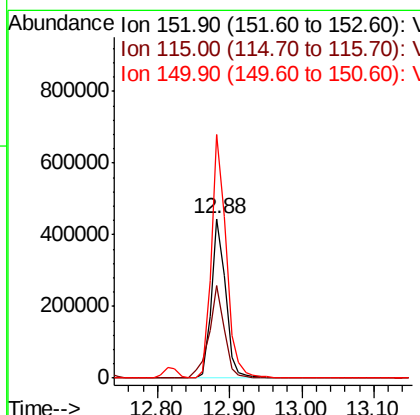
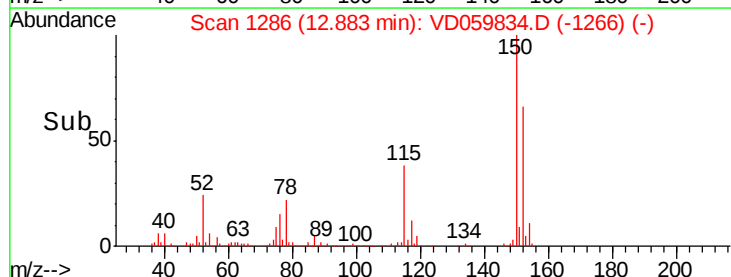
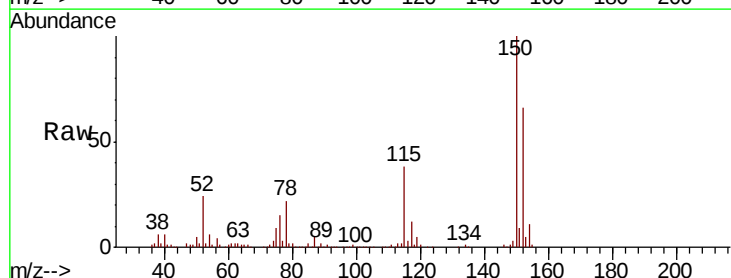
RT: 12.88 min Scan# 1286

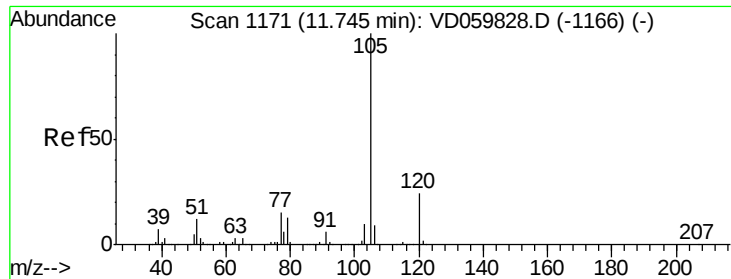
Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	26.9	80.6
150	152.4	0.0	306.8





#73

Isopropylbenzene

Concen: 19.66 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion: 105 Resp: 803617

Ion Ratio Lower Upper

105 100

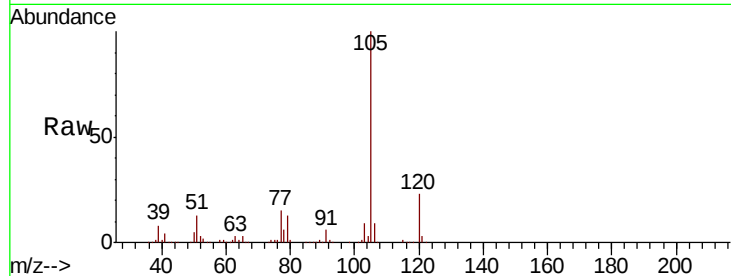
120 23.0 11.9 35.5

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

500000

400000

300000

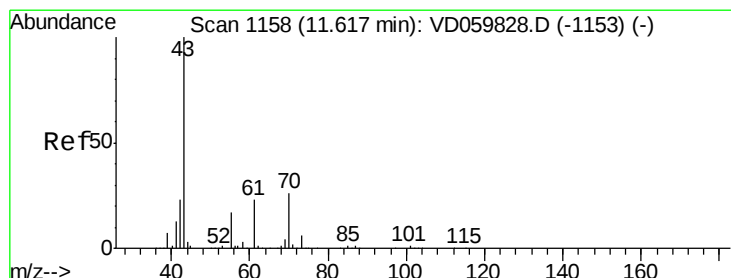
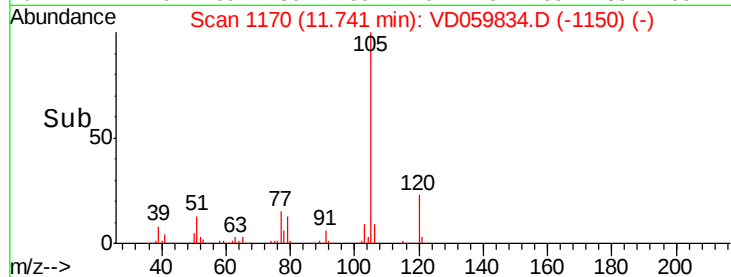
200000

100000

0

11.70 11.74 11.80 11.90

Time-->



#74

N-ethyl acetate

Concen: 19.31 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion: 43 Resp: 353318

Ion Ratio Lower Upper

43 100

70 23.7 20.5 30.7

55 15.9 13.7 20.5

61 21.4 18.0 27.0

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

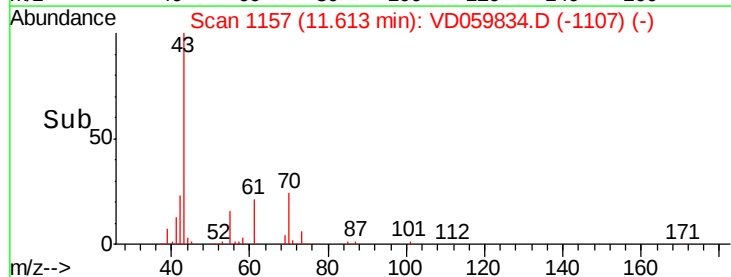
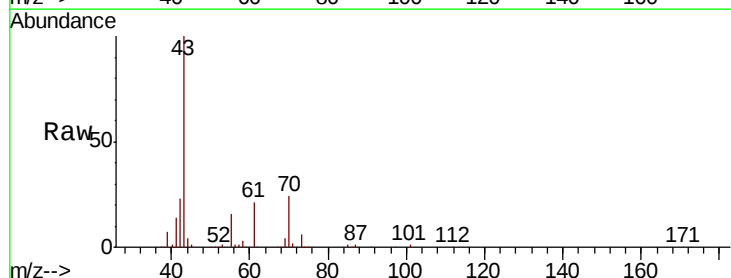
200000

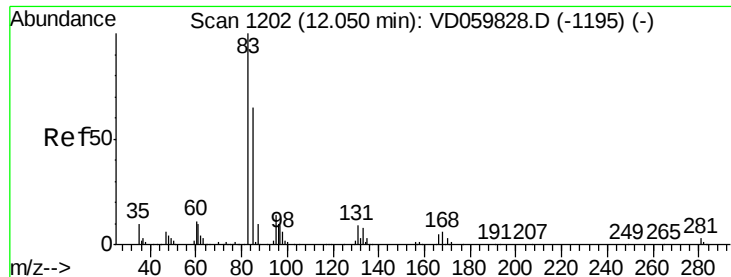
100000

0

11.60 11.61 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.01 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

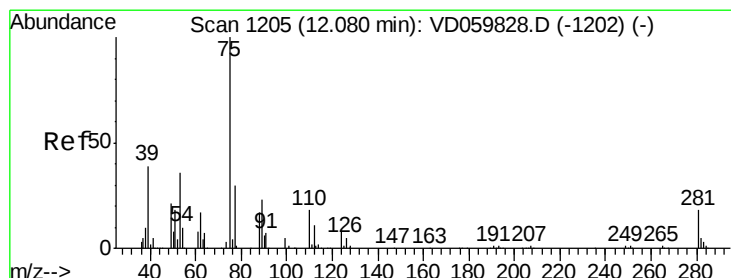
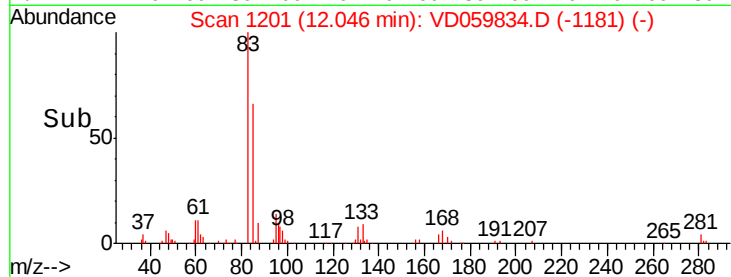
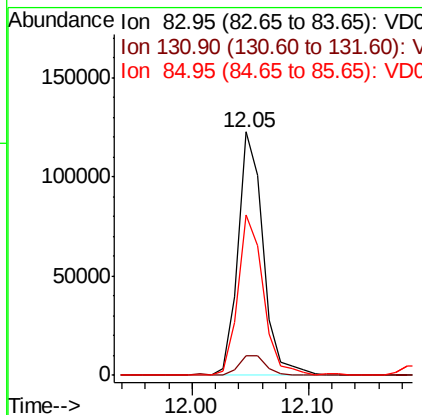
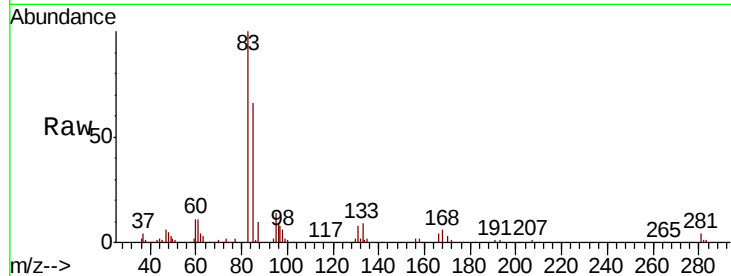
ClientSampleId :

VD0820SBS01

Tot Ion:	83	Resp:	183101
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.3	13.1
85	65.7	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 19.50 ug/l

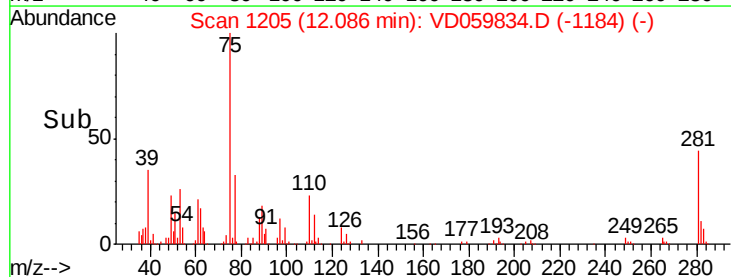
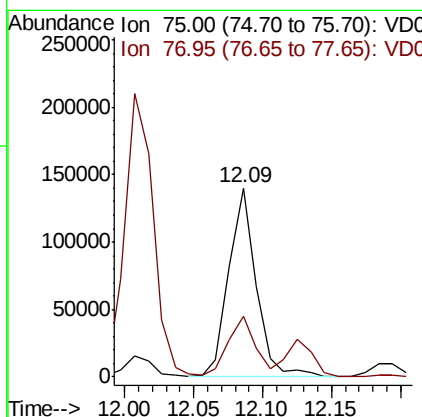
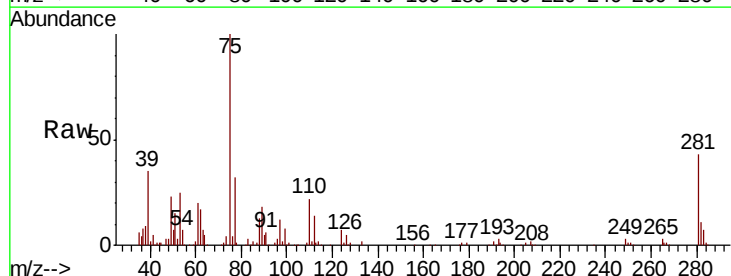
RT: 12.09 min Scan# 1205

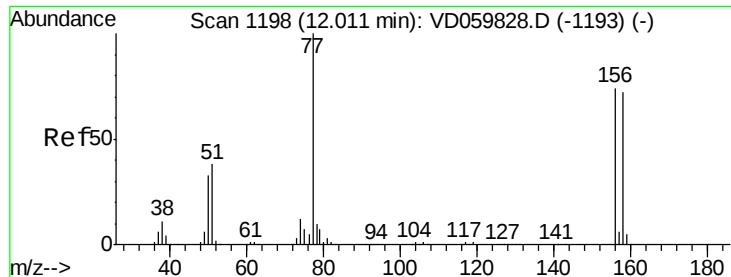
Delta R.T. 0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion:	75	Resp:	193439
Ion Ratio	Lower	Upper	
75	100		
77	32.3	16.0	47.9





#77

Bromobenzene

Concen: 20.35 ug/l

RT: 12.02 min Scan# 1198

Delta R.T. 0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

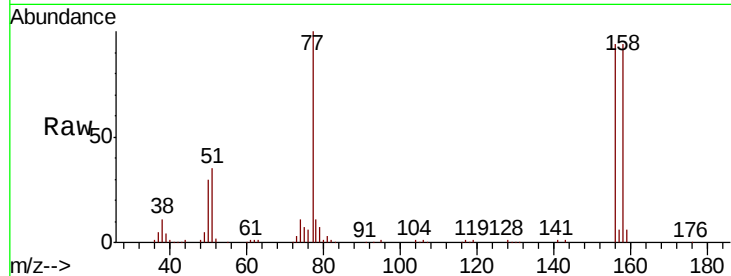
ClientSampleId :

VD0820SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		231205		
77	106.8	68.0	204.0		
158	100.4	48.9	146.8		

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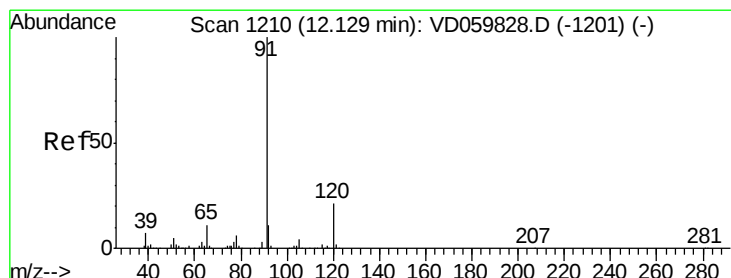
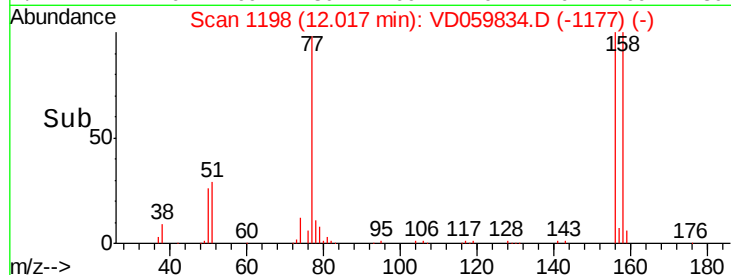
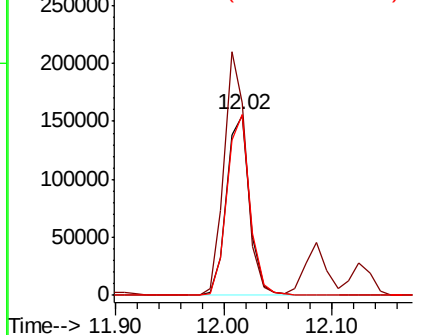
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.12 ug/l

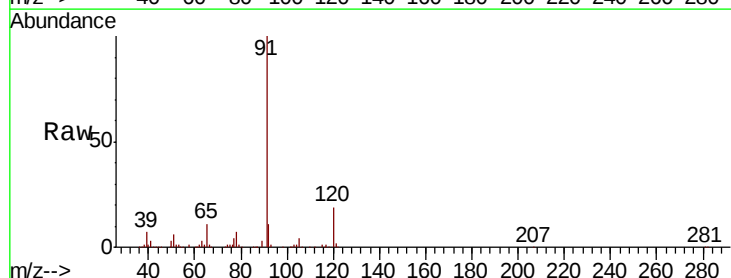
RT: 12.13 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059834.D

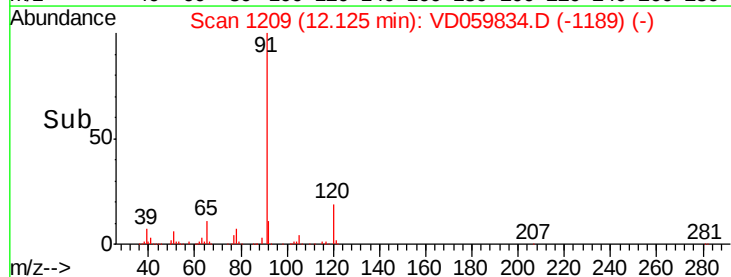
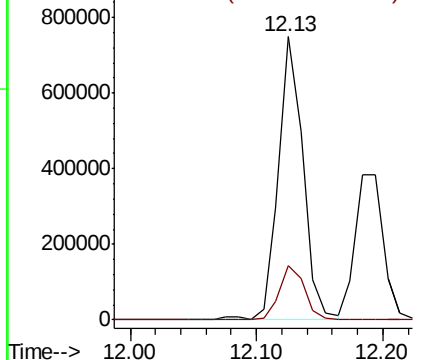
Acq: 20 Aug 2018 16:50

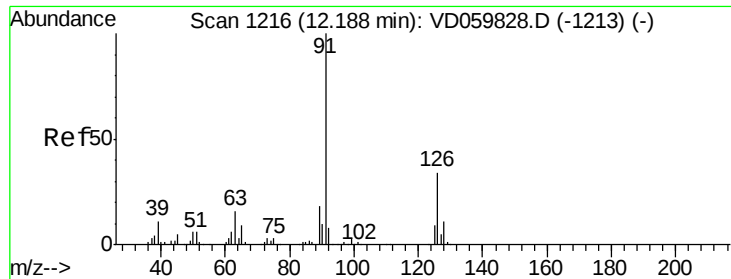
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1021284		
120	19.3	10.5	31.5		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





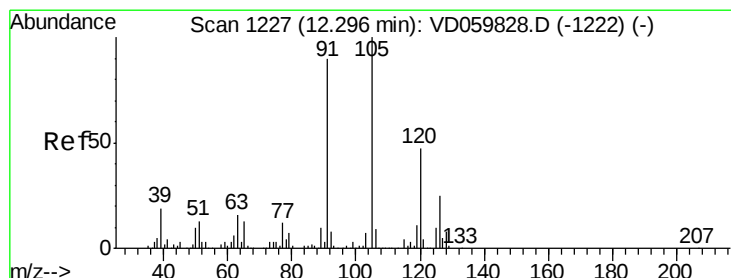
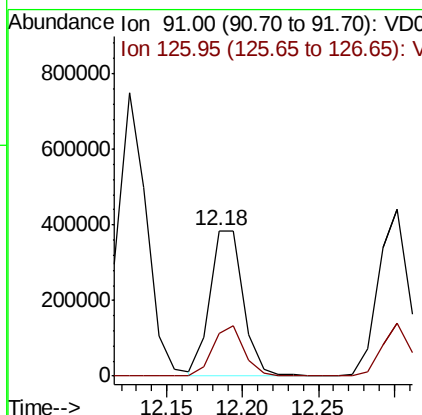
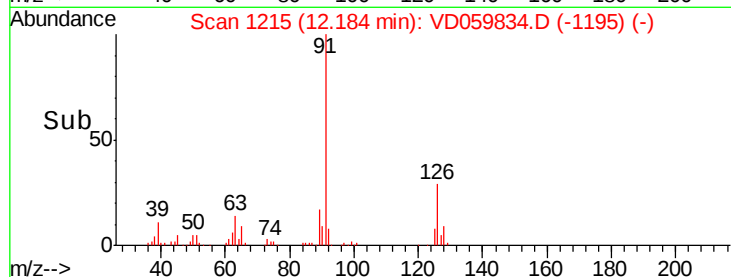
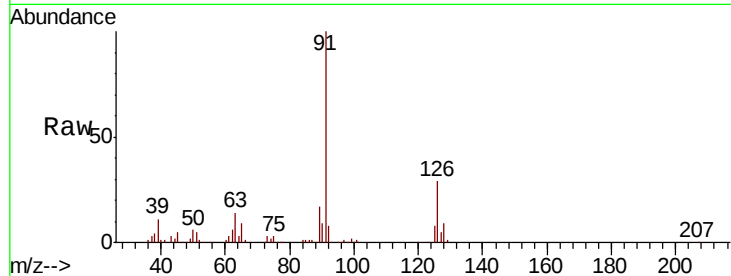
#79
 2-Chlorotoluene
 Concen: 20.26 ug/l
 RT: 12.18 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion: 91 Resp: 591989
 Ion Ratio Lower Upper
 91 100
 126 29.1 16.6 49.8

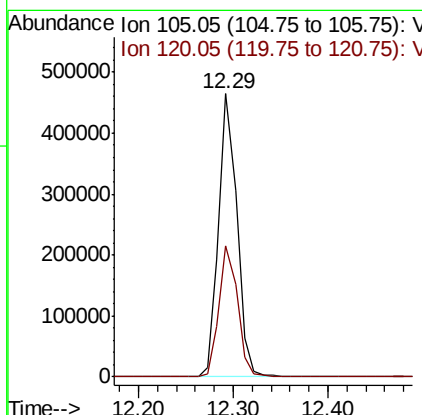
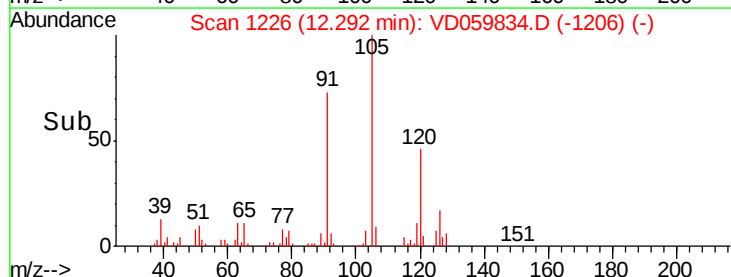
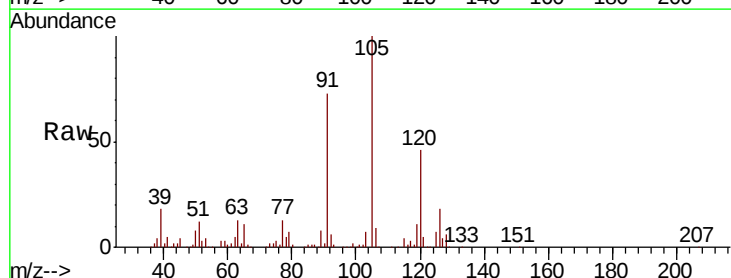
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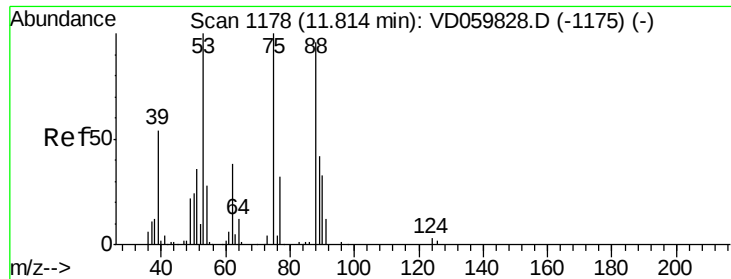
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.48 ug/l
 RT: 12.29 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion: 105 Resp: 623858
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.94 ug/l

RT: 11.82 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

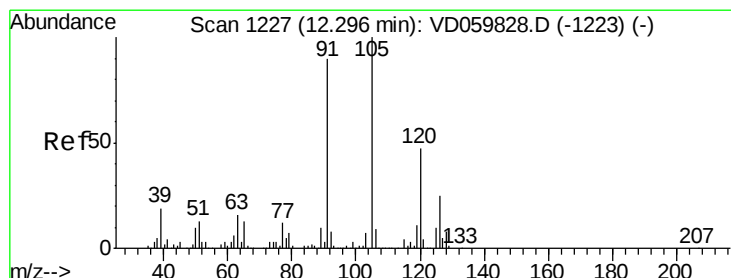
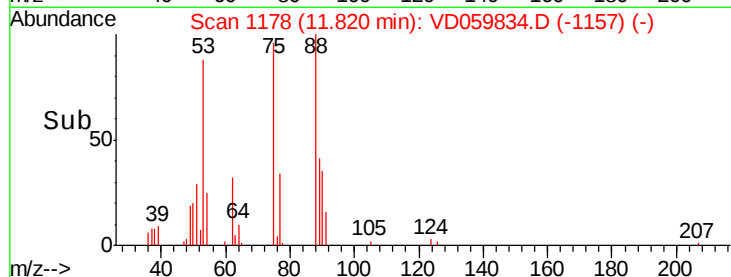
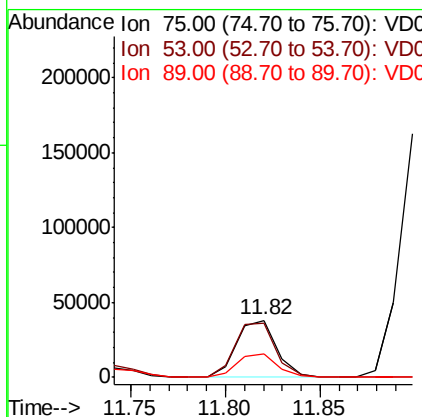
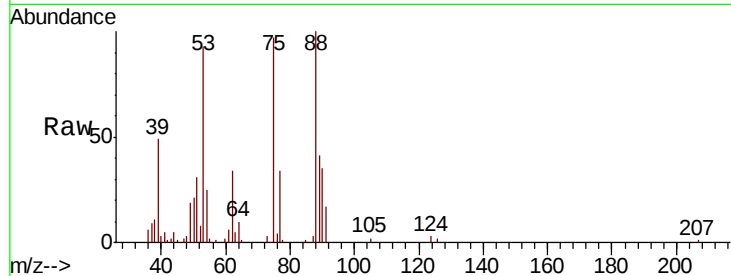
ClientSampleId :

VD0820SBS01

Tot Ion:	75	Resp:	55645
Ion	Ratio	Lower	Upper
75	100		
53	96.0	80.7	121.1
89	42.0	33.9	50.9

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#82

4-Chlorotoluene

Concen: 18.62 ug/l

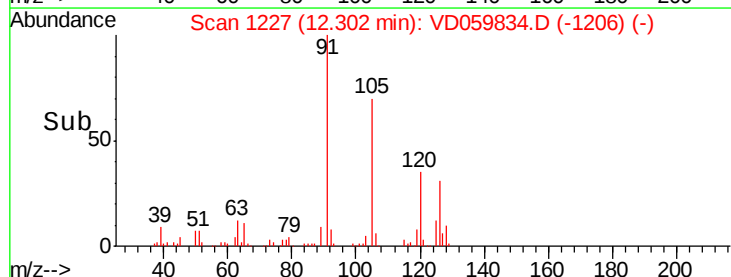
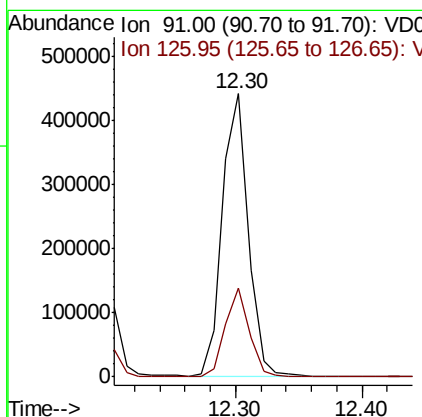
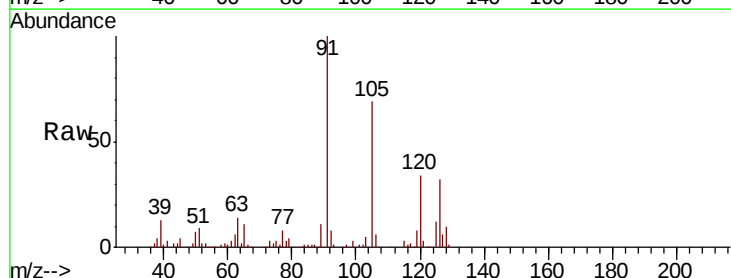
RT: 12.30 min Scan# 1227

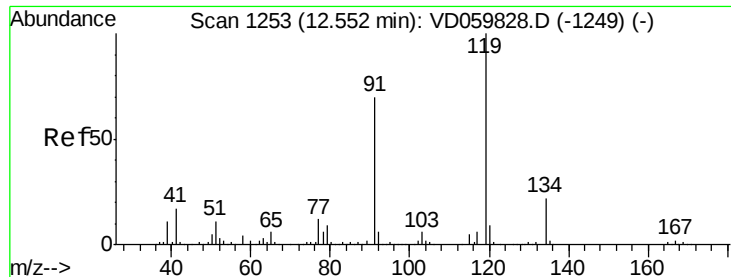
Delta R.T. 0.01 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion:	91	Resp:	621913
Ion	Ratio	Lower	Upper
91	100		
126	31.5	13.7	41.0





#83

tert-Butylbenzene

Concen: 20.32 ug/l m

RT: 12.55 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

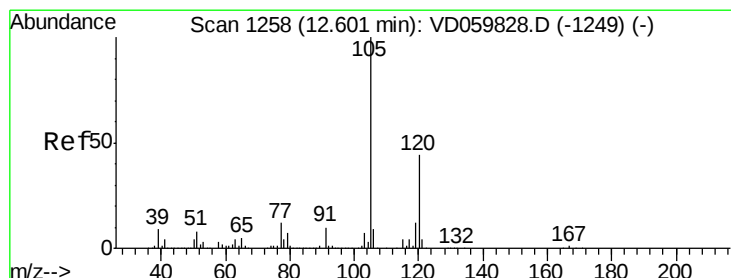
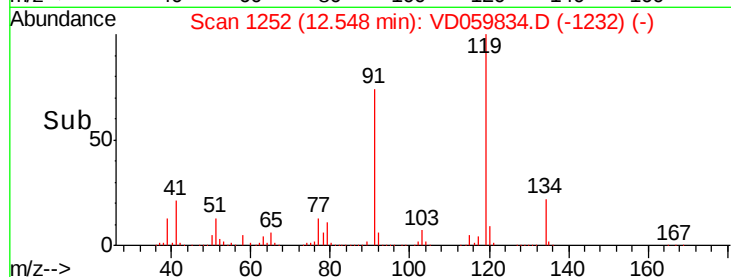
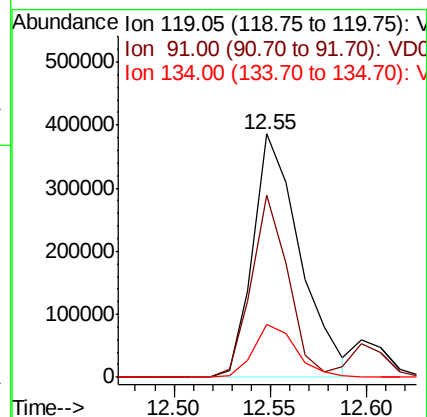
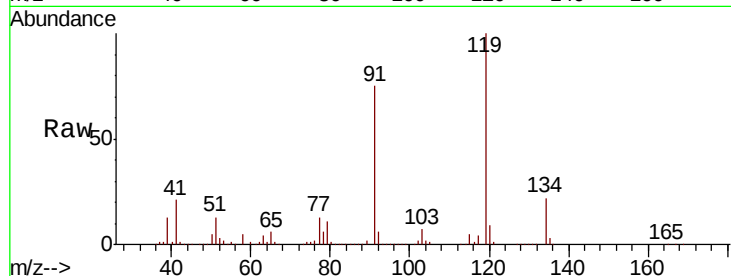
ClientSampleId :

VD0820SBS01

Tot Ion:	119	Resp:	655196
Ion Ratio	Lower	Upper	
119	100		
91	74.8	35.1	105.3
134	21.7	11.0	33.0

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#84

1,2,4-Trimethylbenzene

Concen: 20.09 ug/l

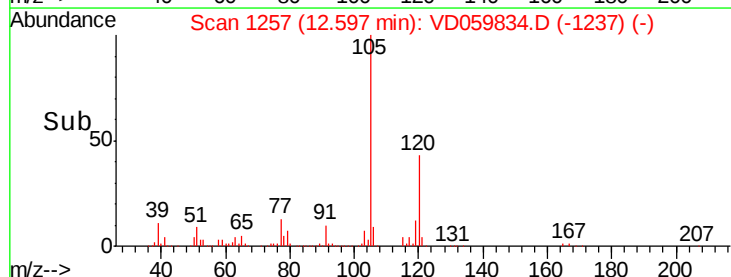
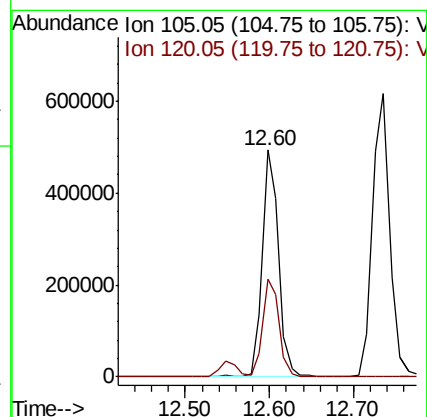
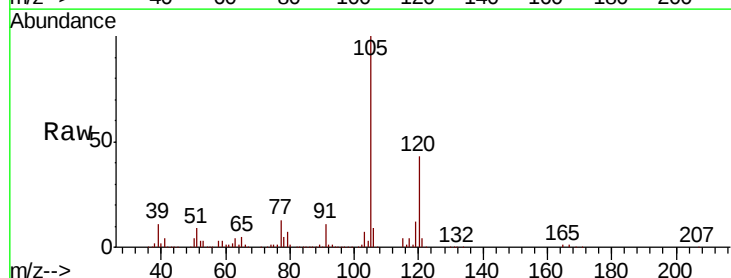
RT: 12.60 min Scan# 1257

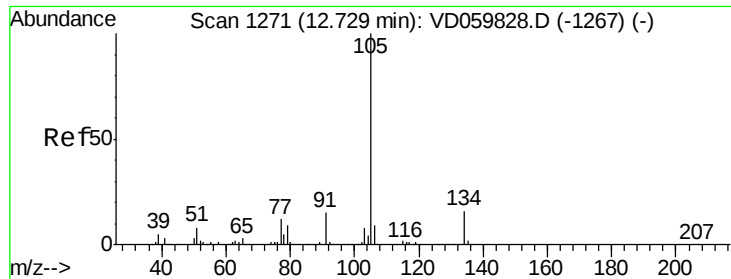
Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Tgt Ion:	105	Resp:	675621
Ion Ratio	Lower	Upper	
105	100		
120	42.8	22.0	66.0





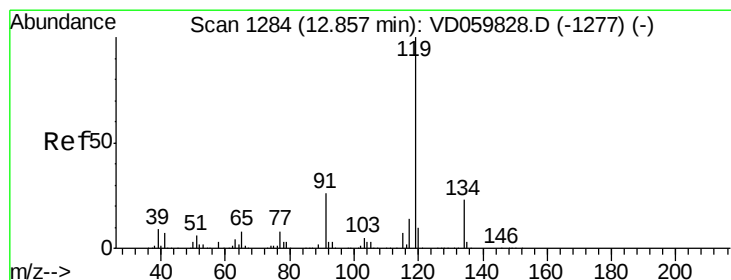
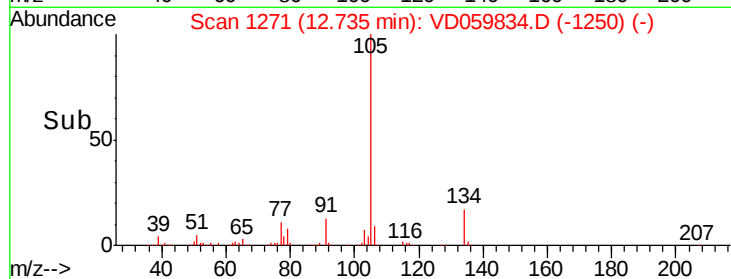
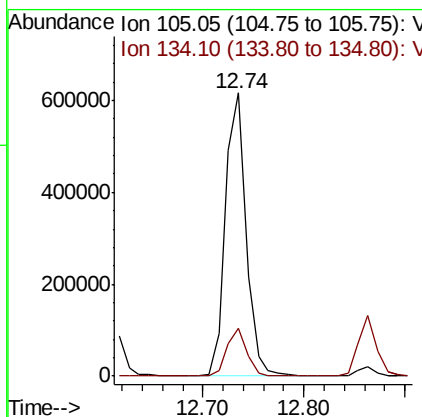
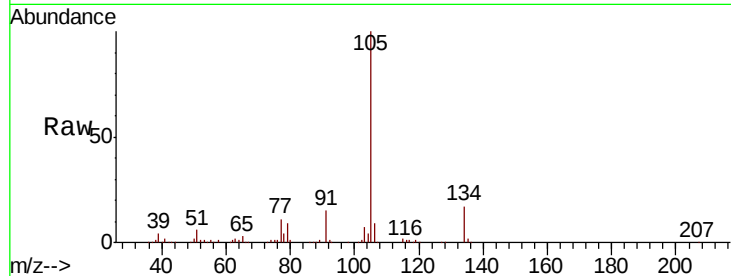
#85
 sec-Butylbenzene
 Concen: 20.46 ug/l
 RT: 12.74 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	874872		
134	17.0	7.8	23.5	

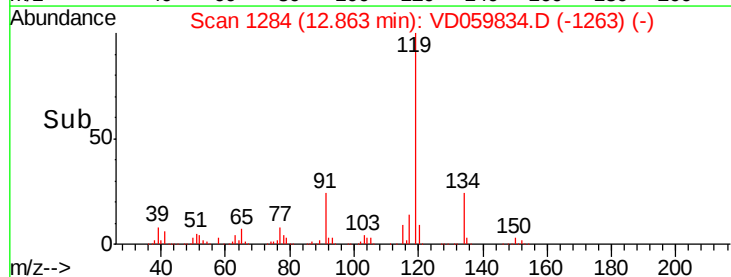
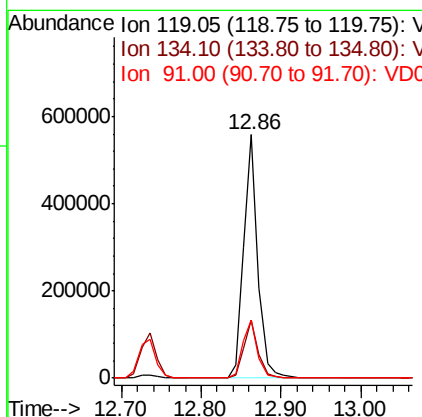
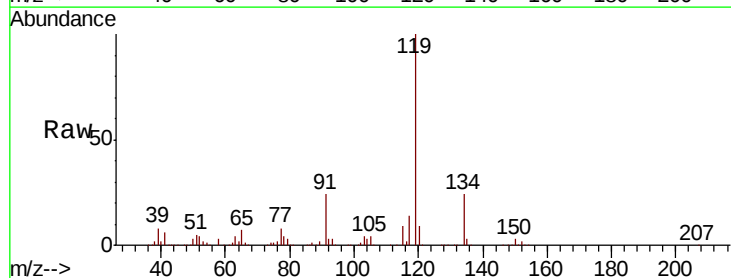
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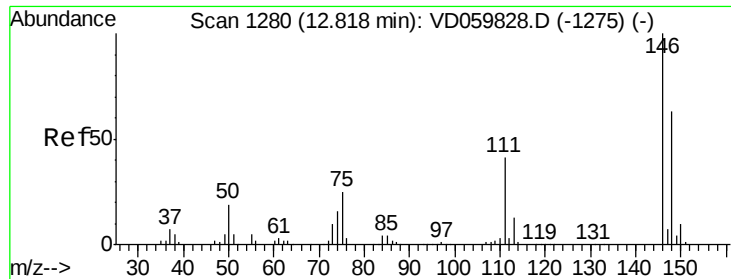
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#86
 p-Isopropyltoluene
 Concen: 20.45 ug/l
 RT: 12.86 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	685996		
134	23.9	11.5	34.5	
91	24.0	13.2	39.6	





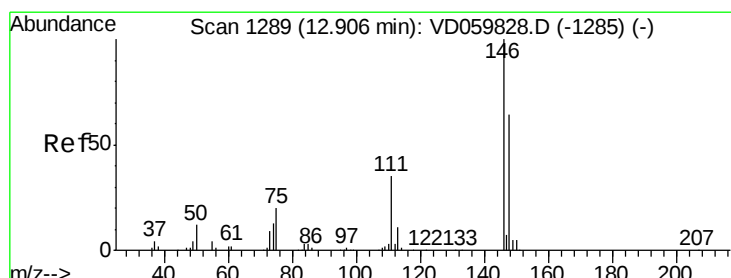
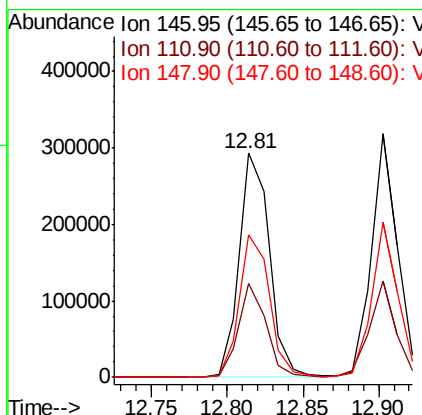
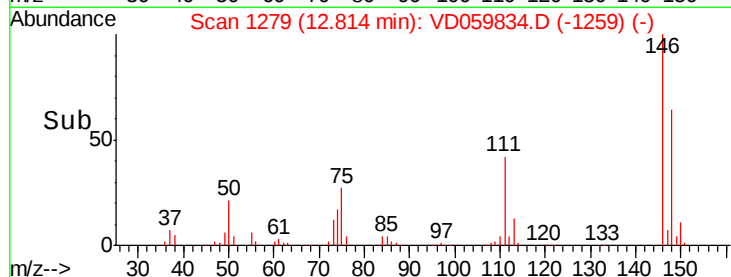
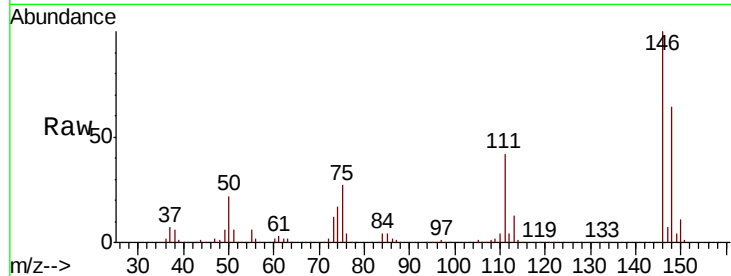
#87
 1,3-Dichlorobenzene
 Concen: 21.31 ug/l
 RT: 12.81 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	60.9
148	63.8	31.6	94.7

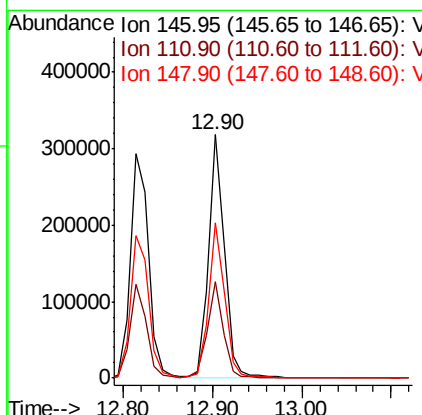
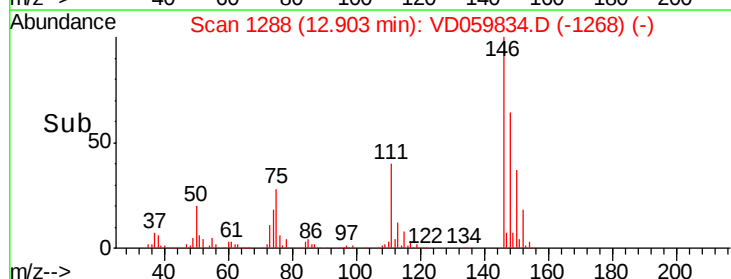
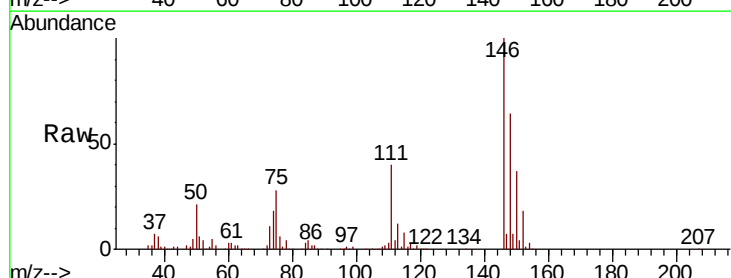
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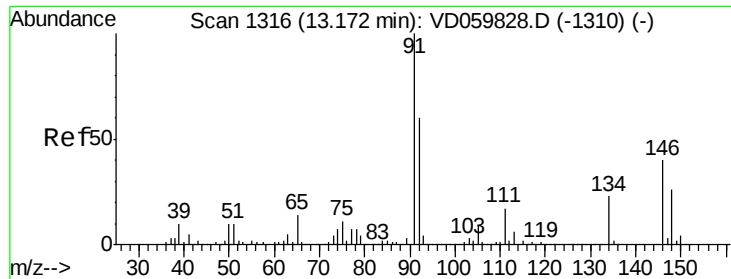
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#88
 1,4-Dichlorobenzene
 Concen: 20.57 ug/l
 RT: 12.90 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	17.8	53.3
148	63.8	31.9	95.9





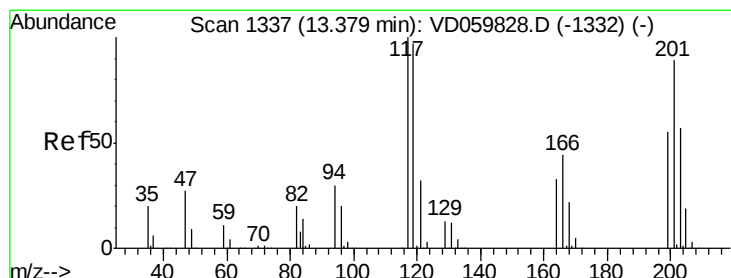
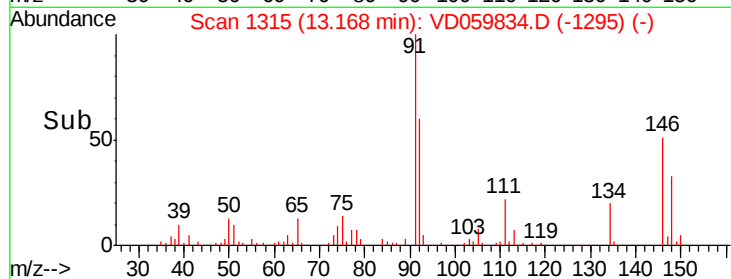
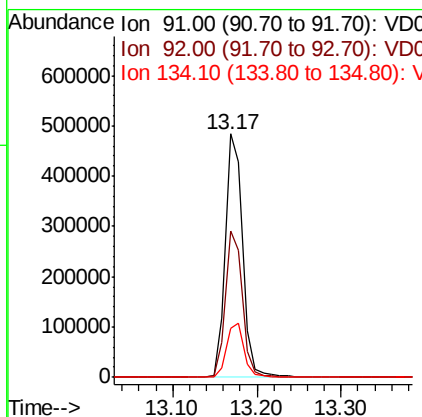
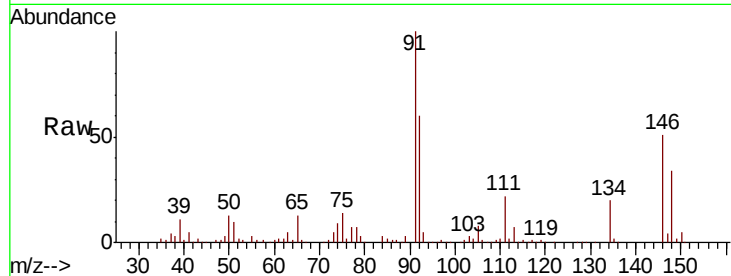
#89
n-Butylbenzene
Concen: 18.88 ug/l
RT: 13.17 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	29.8	89.5
134	20.0	11.5	34.4

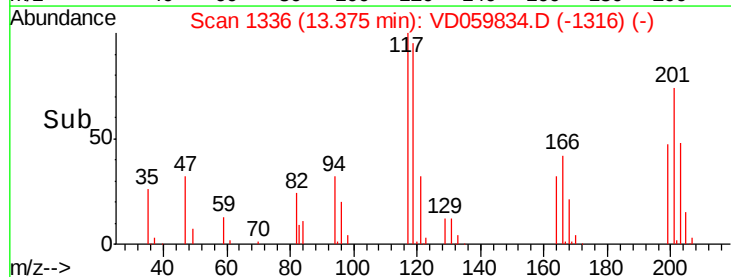
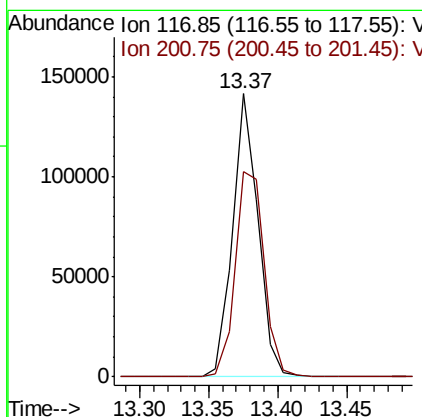
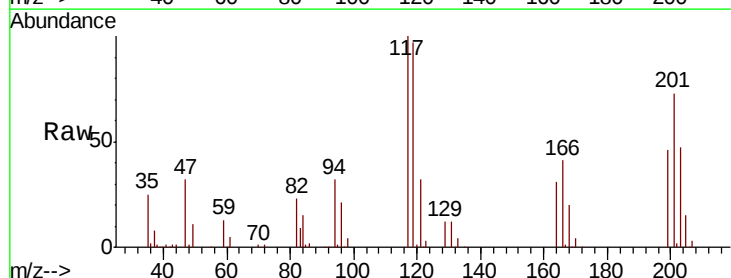
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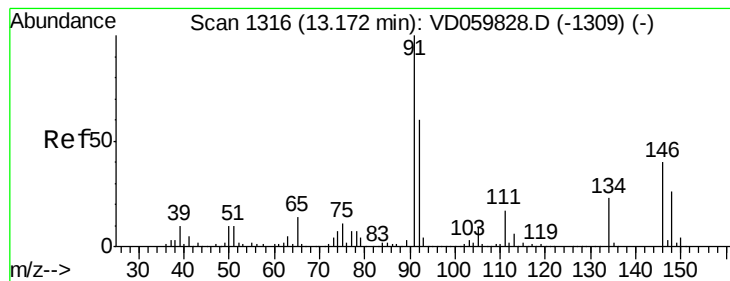
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#90
Hexachloroethane
Concen: 18.93 ug/l
RT: 13.37 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.6	44.6	134.0





#91

1,2-Dichlorobenzene

Concen: 19.85 ug/l

RT: 13.17 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

Instrument :

MSVOA_D

ClientSampleId :

VD0820SBS01

Tot Ion:146 Resp: 332592

Ion Ratio Lower Upper

146 100

111 42.8 20.9 62.8

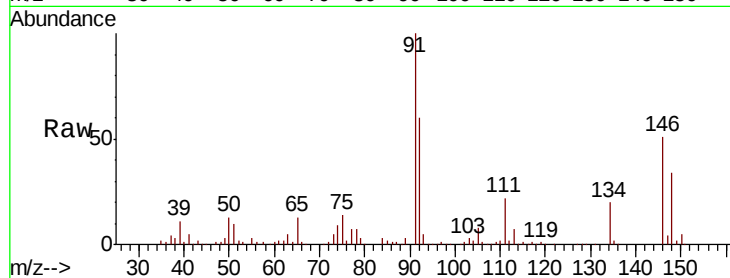
148 65.2 31.6 94.8

Manual Integrations

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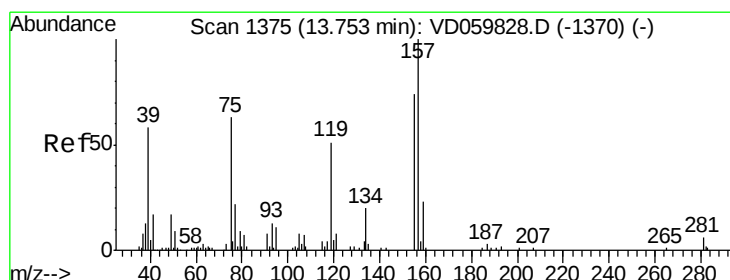
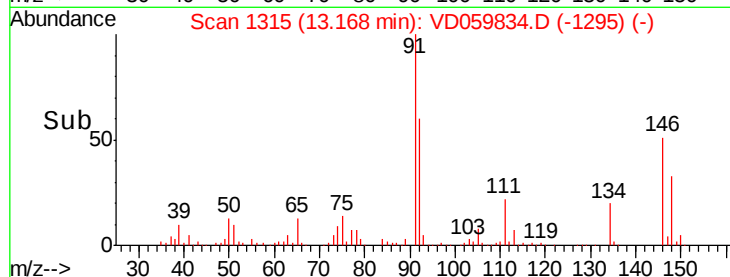
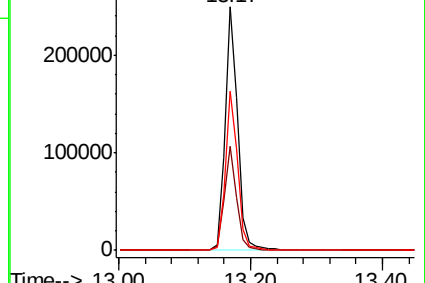
8/21/2018 10:24:51 AM



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: 18.28 ug/l

RT: 13.75 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VD059834.D

Acq: 20 Aug 2018 16:50

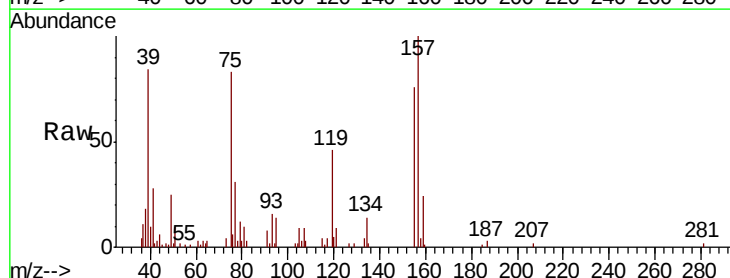
Tgt Ion: 75 Resp: 26209

Ion Ratio Lower Upper

75 100

155 91.6 59.1 177.3

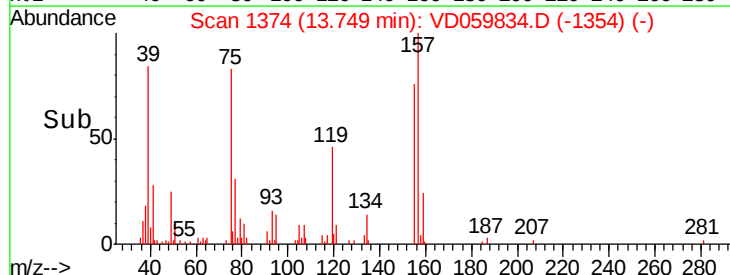
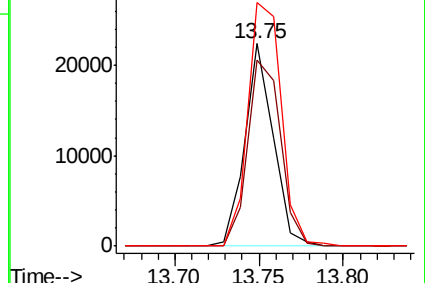
157 120.2 79.7 238.9

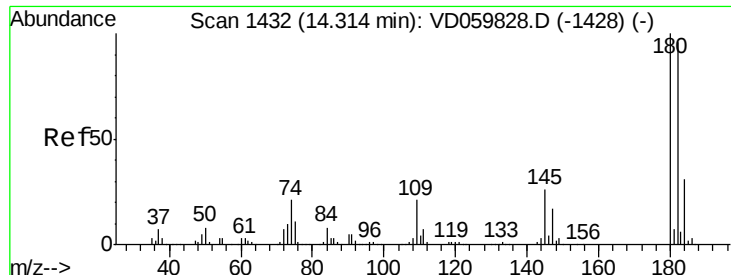


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





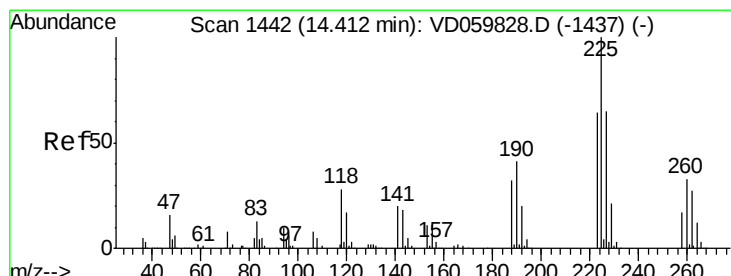
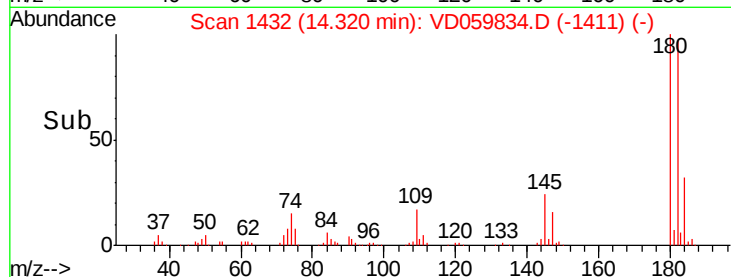
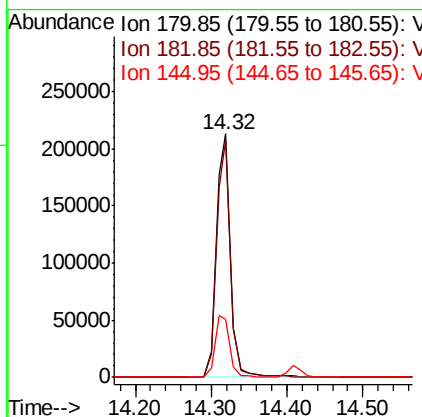
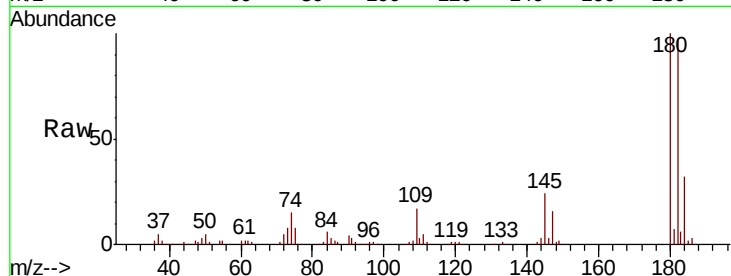
#93
 1,2,4-Trichlorobenzene
 Concen: 20.69 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	284129		
182	97.3	48.0	144.0	
145	23.9	13.1	39.1	

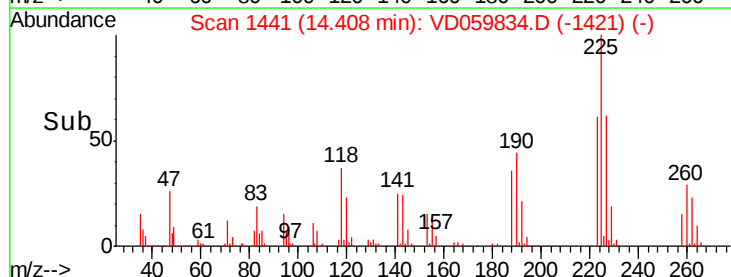
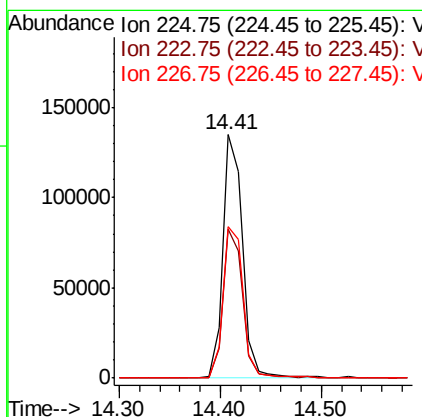
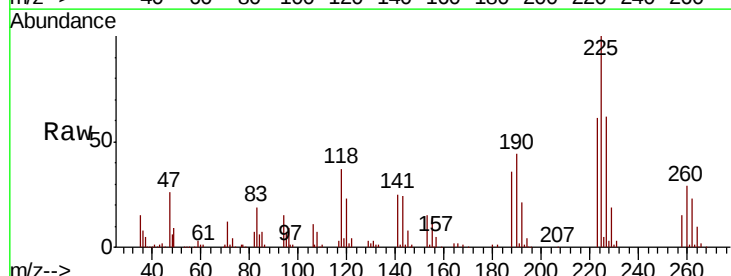
Manual Integrations
 APPROVED

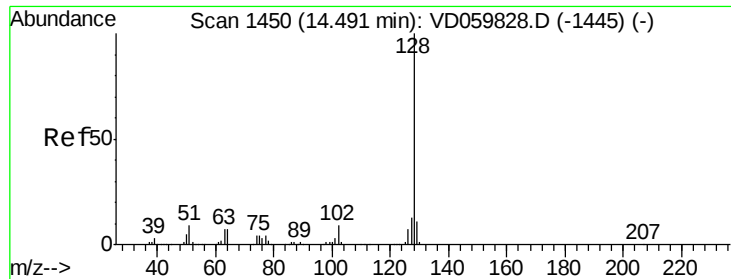
apatel
 8/21/2018 10:24:51 AM



#94
 Hexachlorobutadiene
 Concen: 19.92 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059834.D
 Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	183998		
223	61.1	31.8	95.4	
227	62.5	32.8	98.3	





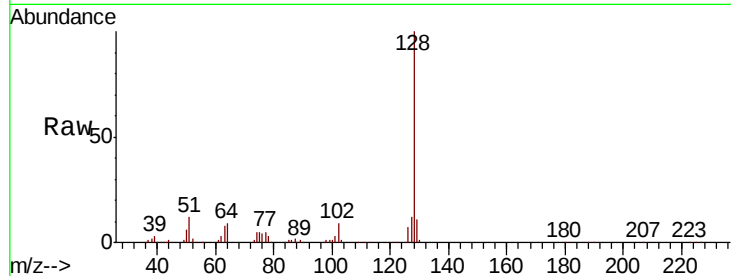
#95
Naphthalene
Concen: 19.17 ug/l
RT: 14.49 min Scan# 1449
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Instrument :
MSVOA_D
ClientSampleId :
VD0820SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
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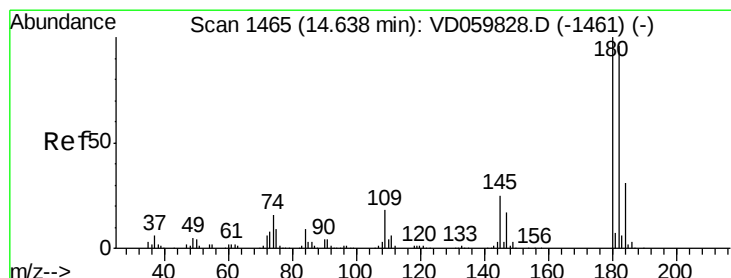
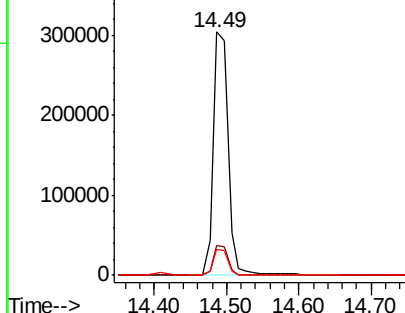
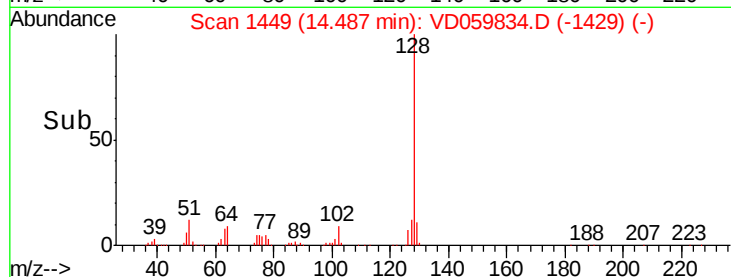


Abundance

Ion 128.00 (127.70 to 128.70): V

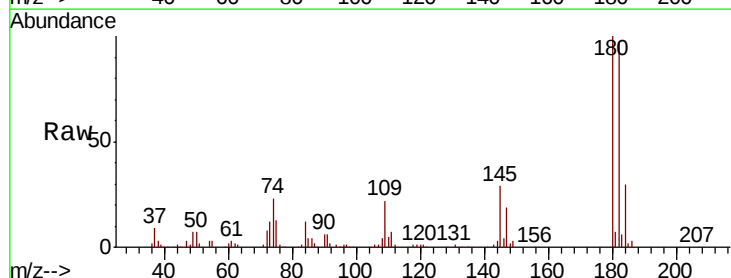
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.03 ug/l
RT: 14.63 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059834.D
Acq: 20 Aug 2018 16:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.4
145	29.4	12.7	38.0



Abundance

Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

