

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059734.D
 Acq On : 10 Aug 2018 17:41
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 11 05:01:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	156697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	178642	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	150212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	85241	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	45408	21.86	ug/l	0.00
Spiked Amount						
			Recovery	=	43.72%	
35) Dibromofluoromethane	5.54	113	37417	22.86	ug/l	0.00
Spiked Amount						
			Recovery	=	45.72%	
50) Toluene-d8	8.70	98	71064	20.26	ug/l	0.00
Spiked Amount						
			Recovery	=	40.52%	
62) 4-Bromofluorobenzene	11.92	95	35457	21.41	ug/l	0.00
Spiked Amount						
			Recovery	=	42.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	44889	20.503	ug/l	95
3) Chloromethane	1.48	50	16189	16.939	ug/l	98
4) Vinyl Chloride	1.54	62	19643	17.535	ug/l	94
5) Bromomethane	1.77	94	7153	18.842	ug/l	91
6) Chloroethane	1.86	64	8889	18.643	ug/l	99
7) Trichlorofluoromethane	2.07	101	44473	23.149	ug/l	99
8) Diethyl Ether	2.33	74	7064	20.342	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	2.54	101	24735	23.221	ug/l	95
10) Methyl Iodide	2.68	142	23400	19.047	ug/l	98
11) Tert butyl alcohol	3.27	59	8181	110.706	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	16125	20.979	ug/l	96
13) Acrolein	2.46	56	5463	84.558	ug/l #	82
14) Allyl chloride	2.90	41	36294	20.431	ug/l	93
15) Acrylonitrile	3.34	53	19385	94.383	ug/l	95
16) Acetone	2.60	43	35139	91.482	ug/l	98
17) Carbon Disulfide	2.73	76	49875	17.965	ug/l	99
18) Methyl Acetate	2.92	43	12840	17.924	ug/l	100
19) Methyl tert-butyl Ether	3.38	73	69608	23.281	ug/l	95
20) Methylene Chloride	3.05	84	21890	14.808	ug/l #	97
21) trans-1,2-Dichloroethene	3.38	96	22043	21.824	ug/l	84
22) Diisopropyl ether	4.06	45	68226	16.847	ug/l	92
23) Vinyl Acetate	4.00	43	240821	92.398	ug/l	97
24) 1,1-Dichloroethane	3.95	63	53402	19.758	ug/l #	97
25) 2-Butanone	4.83	43	37188	76.731	ug/l	93
26) 2,2-Dichloropropane	4.78	77	62855	21.481	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	27447	19.274	ug/l	100
28) Bromochloromethane	5.14	49	18178	17.898	ug/l	90
29) Tetrahydrofuran	5.17	42	15152	80.287	ug/l	99
30) Chloroform	5.31	83	72105	21.484	ug/l	97
31) Cyclohexane	5.58	56	31071	15.788	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	74903	22.754	ug/l	98
36) 1,1-Dichloropropene	5.74	75	41183	20.712	ug/l	95
37) Ethyl Acetate	4.91	43	17121	17.738	ug/l #	93
38) Carbon Tetrachloride	5.72	117	64576	23.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.28	83	31917	19.431	ug/l	94
40) Benzene	6.00	78	74029	19.526	ug/l	100
41) Methacrylonitrile	5.11	41	9808	22.285	ug/l #	88
42) 1,2-Dichloroethane	6.12	62	57226	23.186	ug/l	98
43) Isopropyl Acetate	7.60	43	23484	18.880	ug/l	95
44) Trichloroethene	6.97	130	30043	21.207	ug/l	81
45) 1,2-Dichloropropane	7.34	63	17690	17.693	ug/l	96
46) Dibromomethane	7.46	93	20316	22.695	ug/l	97
47) Bromodichloromethane	7.73	83	52424	22.795	ug/l	94
48) Methyl methacrylate	7.50	41	17892	21.342	ug/l	96
49) 1,4-Dioxane	7.48	88	2009	315.599	ug/l #	86
51) 4-Methyl-2-Pentanone	8.59	43	80181	87.236	ug/l	97
52) Toluene	8.79	92	45222	18.616	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	41682	21.673	ug/l	97
54) cis-1,3-Dichloropropene	8.35	75	38614	19.818	ug/l	99
55) 1,1,2-Trichloroethane	9.44	97	18719	19.827	ug/l	89
56) Ethyl methacrylate	9.31	69	21042	20.383	ug/l	95
57) 1,3-Dichloropropane	9.66	76	30372	20.654	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.18	63	50225	101.104	ug/l	97
59) 2-Hexanone	9.78	43	59835	86.606	ug/l	98
60) Dibromochloromethane	9.95	129	35535	23.121	ug/l	96
61) 1,2-Dibromoethane	10.08	107	23954	21.956	ug/l	96
64) Tetrachloroethene	9.50	164	28572	20.010	ug/l	94
65) Chlorobenzene	10.71	112	59536	18.842	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.84	131	30416	21.325	ug/l	92
67) Ethyl Benzene	10.85	91	113118	19.767	ug/l	97
68) m/p-Xylenes	11.01	106	74594	41.153	ug/l	100
69) o-Xylene	11.40	106	36107	20.390	ug/l	100
70) Styrene	11.43	104	58611	19.794	ug/l	98
71) Bromoform	11.60	173	20960	19.487	ug/l	94
73) Isopropylbenzene	11.77	105	115524	20.436	ug/l	100
74) N-amyl acetate	11.64	43	31413	17.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	19390	17.200	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	25446	19.413	ug/l	97
77) Bromobenzene	12.03	156	31706	19.192	ug/l	98
78) n-propylbenzene	12.15	91	144744	20.687	ug/l	97
79) 2-Chlorotoluene	12.21	91	88154	20.776	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	96575	20.414	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	5448	17.657	ug/l	89
82) 4-Chlorotoluene	12.32	91	109290	21.927	ug/l	88
83) tert-Butylbenzene	12.57	119	107215	20.381	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	98813	19.672	ug/l	98
85) sec-Butylbenzene	12.75	105	116794	19.958	ug/l	99
86) p-Isopropyltoluene	12.88	119	107229	21.450	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	59060	20.610	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	58660	20.695	ug/l	97
89) n-Butylbenzene	13.19	91	102327	20.310	ug/l	97
90) Hexachloroethane	13.40	117	27121	20.791	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	49009	20.422	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	5178	21.648	ug/l	97

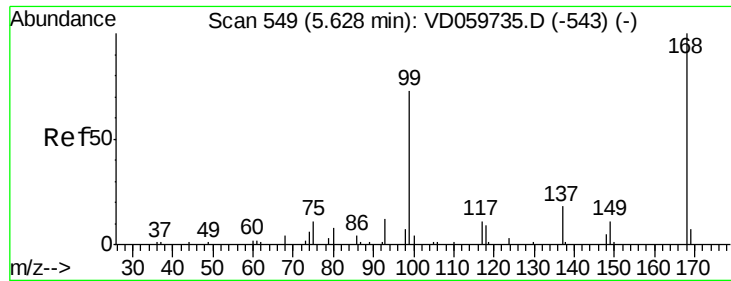
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	46929	21.438	ug/l	99
94) Hexachlorobutadiene	14.43	225	38820	22.729	ug/l	95
95) Naphthalene	14.51	128	60186	18.878	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	40246	21.317	ug/l	97

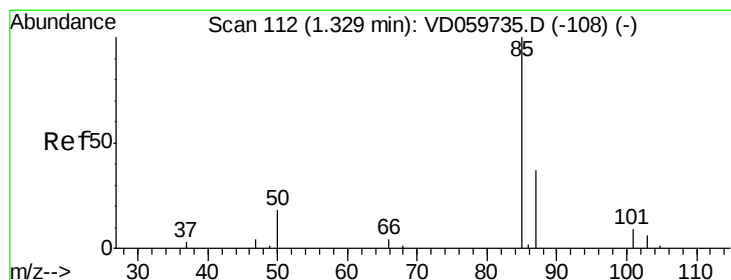
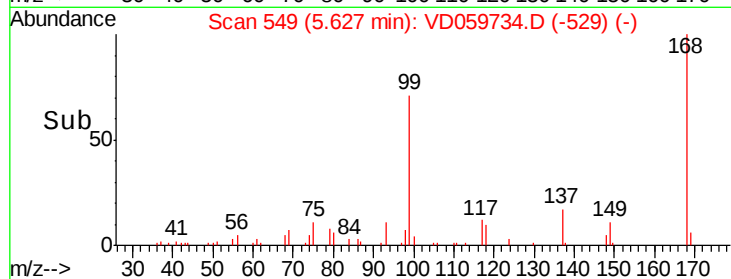
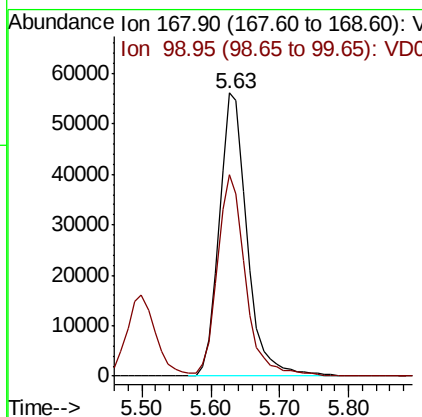
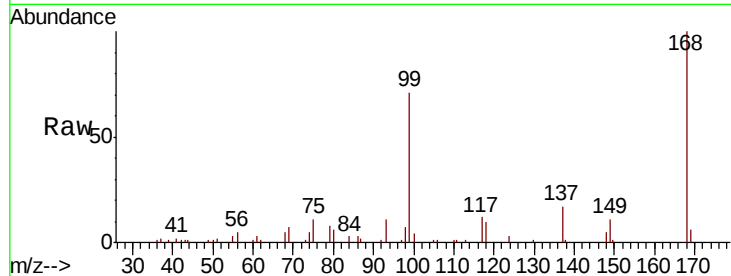
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

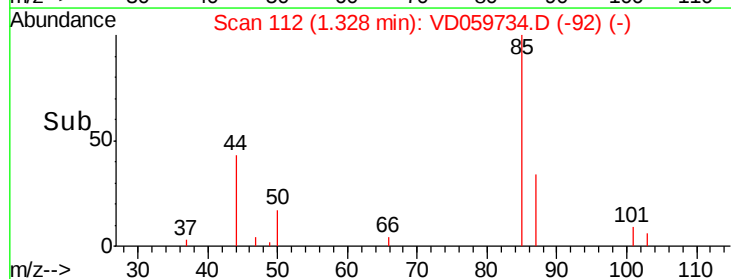
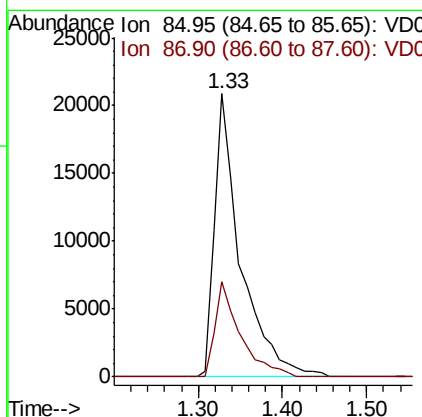
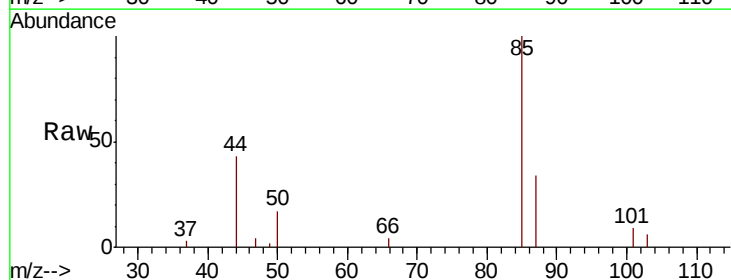
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ClientSampleId :

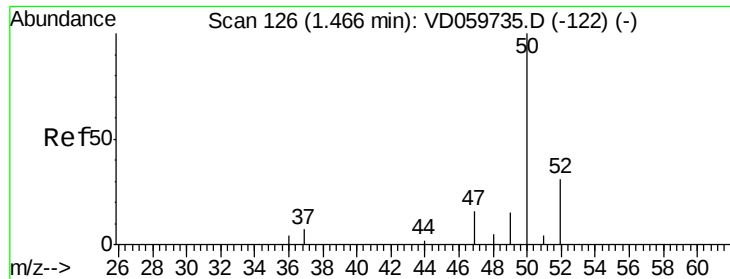
Tot Ion:168 Resp: 156697
Ion Ratio Lower Upper
168 100
99 71.4 61.4 92.2



#2
Dichlorodifluoromethane
Concen: 20.503 ug/l
RT: 1.33 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 85 Resp: 44889
Ion Ratio Lower Upper
85 100
87 33.6 18.3 54.8





#3

Chloromethane

Concen: 16.939 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

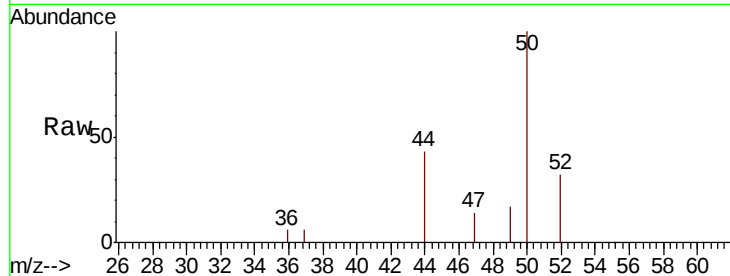
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 16189

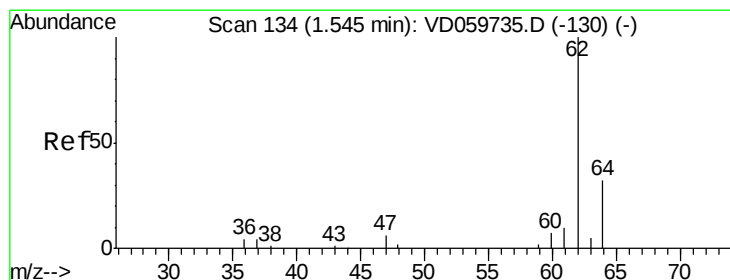
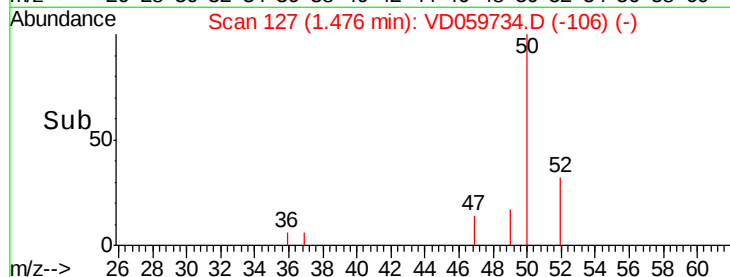
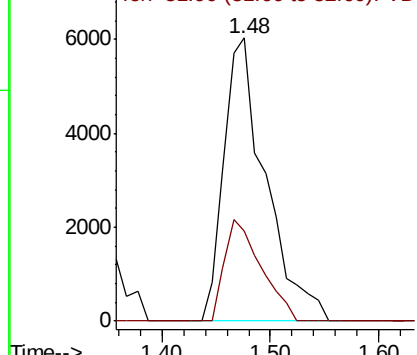
Ion Ratio Lower Upper

50 100

52 31.9 24.8 37.2



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.535 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059734.D

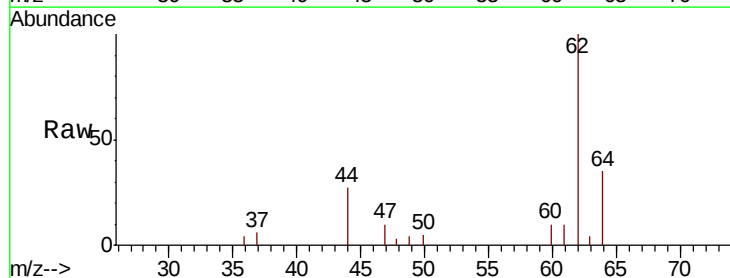
Acq: 10 Aug 2018 17:41

Tgt Ion: 62 Resp: 19643

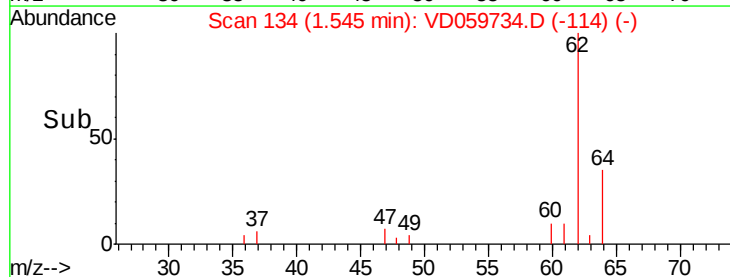
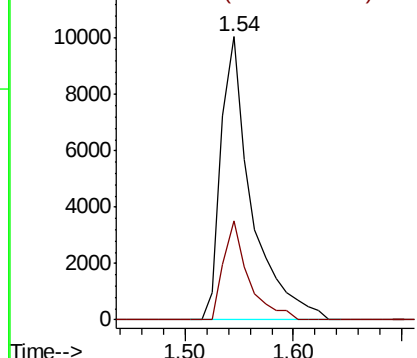
Ion Ratio Lower Upper

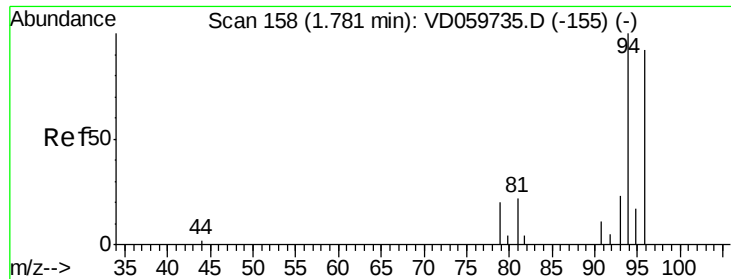
62 100

64 34.9 25.3 37.9



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 63.95 (63.65 to 64.65): VDC

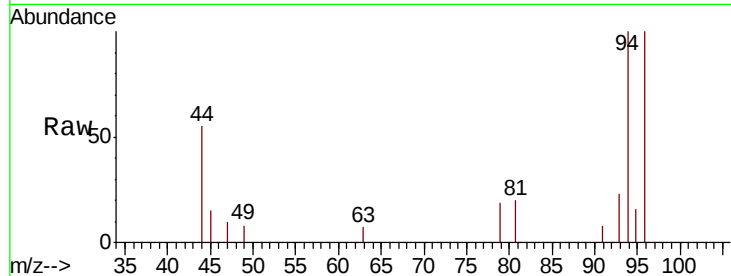




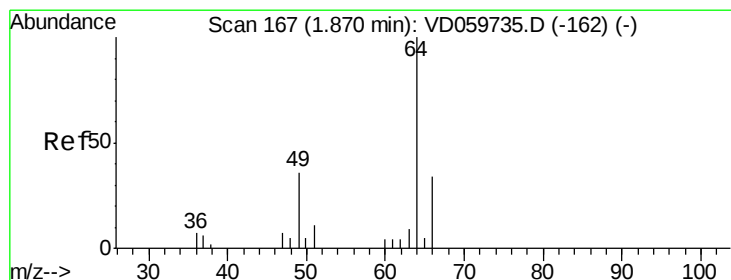
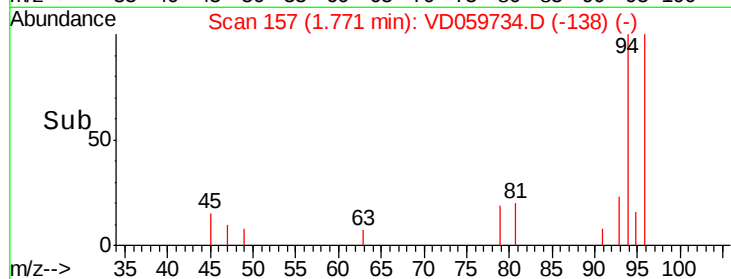
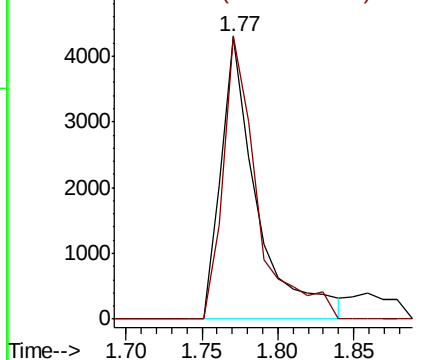
#5
Bromomethane
Concen: 18.842 ug/l
RT: 1.77 min Scan# 157
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 7153
Ion Ratio Lower Upper
94 100
96 100.2 73.4 110.2

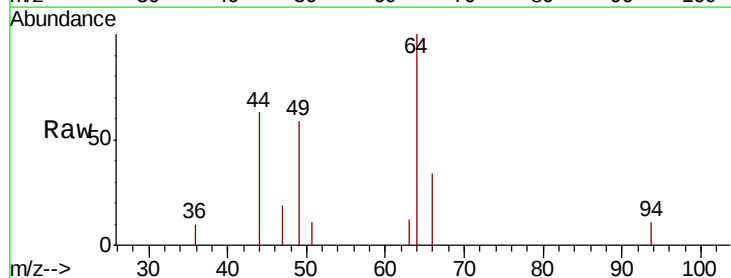


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

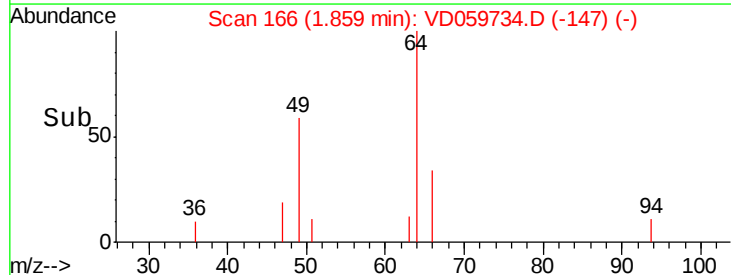
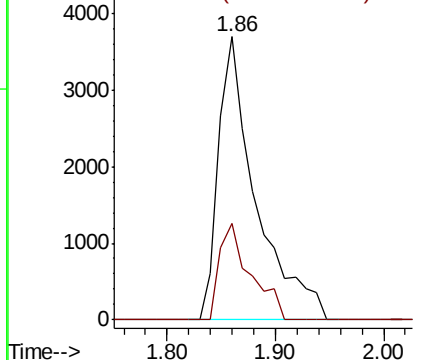


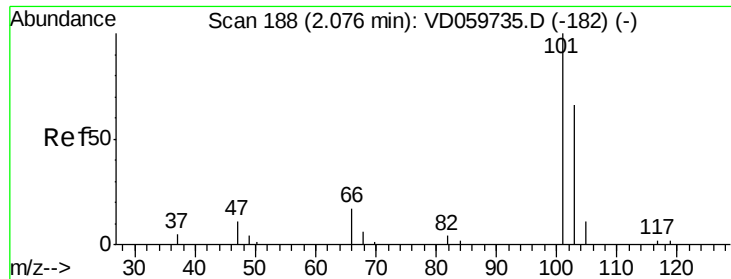
#6
Chloroethane
Concen: 18.643 ug/l
RT: 1.86 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 64 Resp: 8889
Ion Ratio Lower Upper
64 100
66 33.9 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



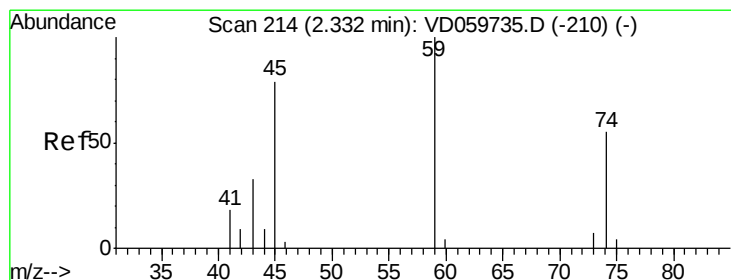
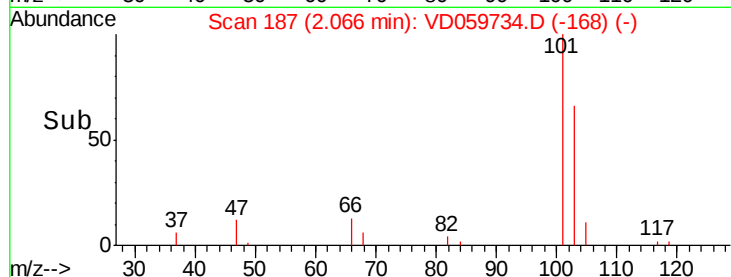
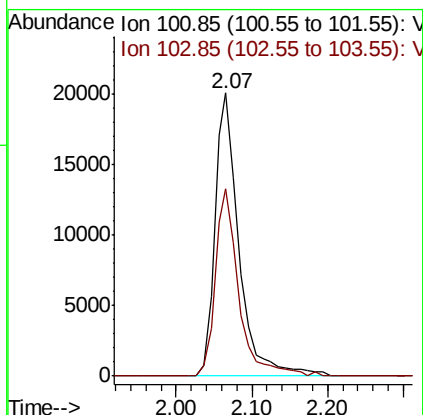
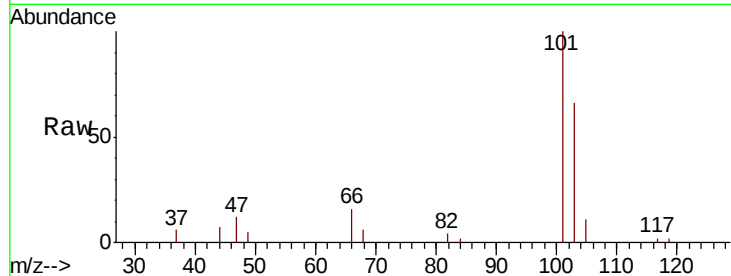


#7

Trichlorofluoromethane
 Concen: 23.149 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
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 ClientSampleId :

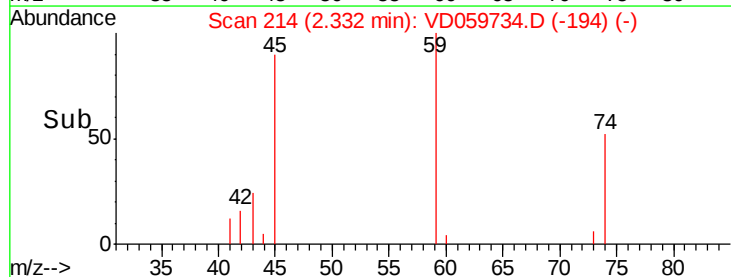
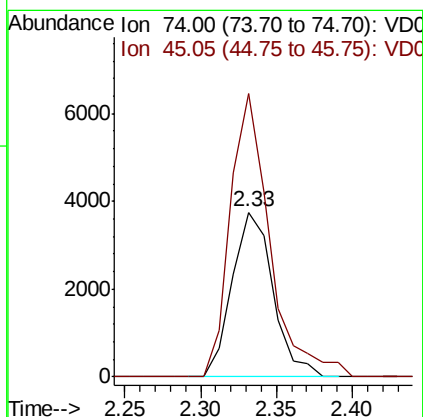
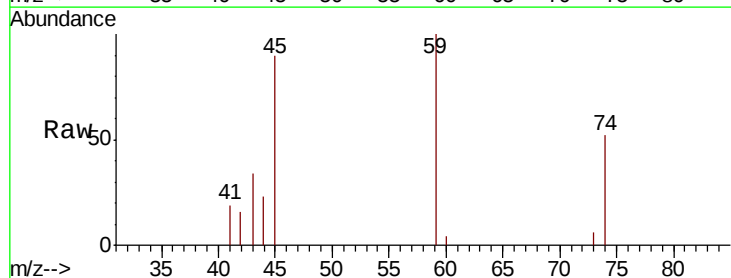
Tot Ion:101 Resp: 44473
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.4 78.6

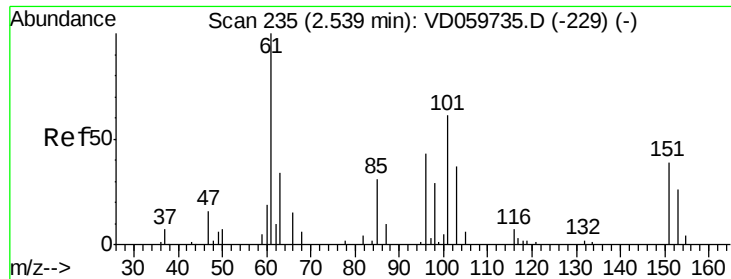


#8

Diethyl Ether
 Concen: 20.342 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 74 Resp: 7064
 Ion Ratio Lower Upper
 74 100
 45 172.0 71.1 213.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.221 ug/l

RT: 2.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

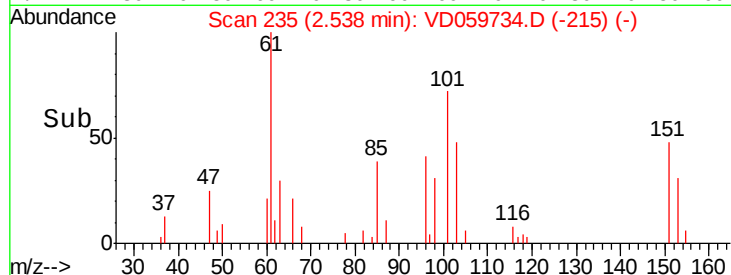
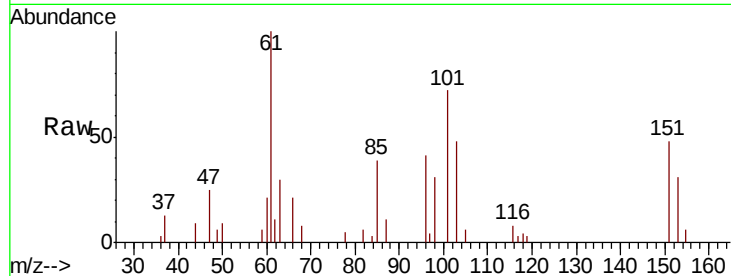
Tot Ion:101 Resp: 24735

Ion Ratio Lower Upper

101 100

85 53.8 39.7 59.5

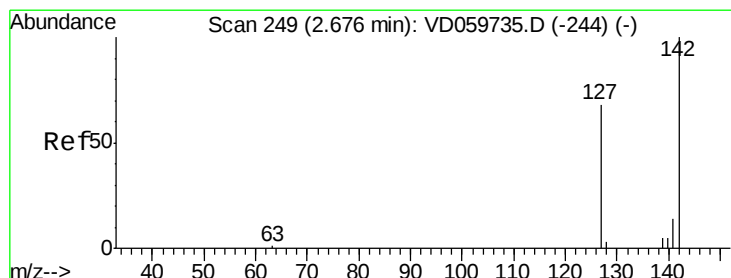
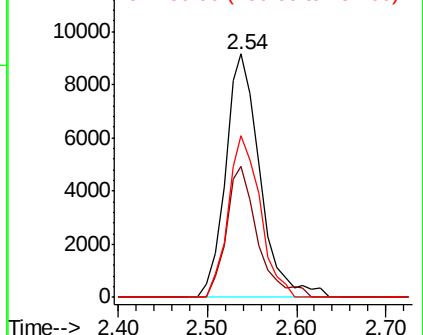
151 66.2 50.8 76.2



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: 19.047 ug/l

RT: 2.68 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

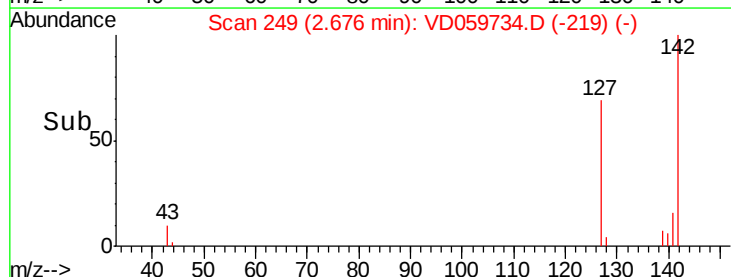
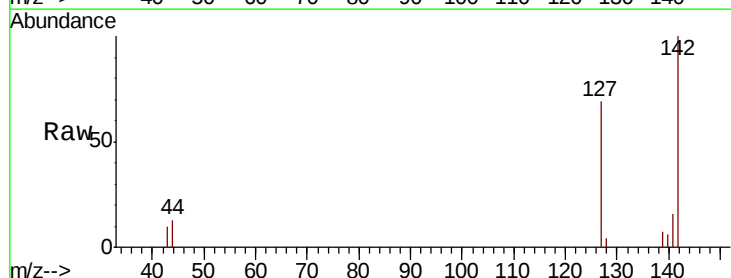
Tgt Ion:142 Resp: 23400

Ion Ratio Lower Upper

142 100

127 68.6 54.0 81.0

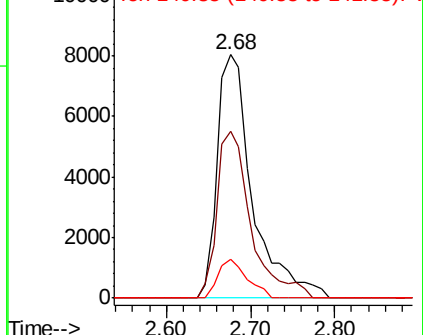
141 16.2 11.0 16.4

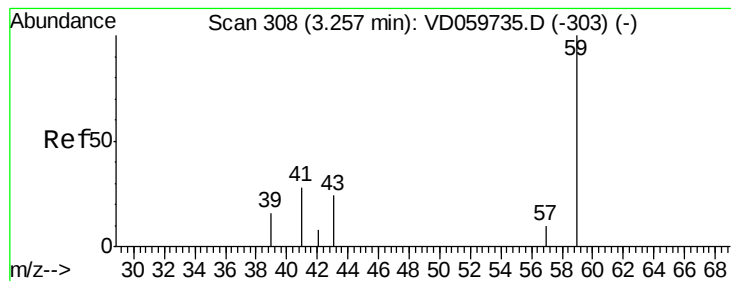


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



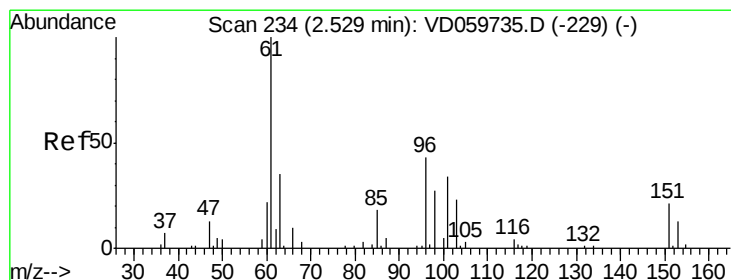
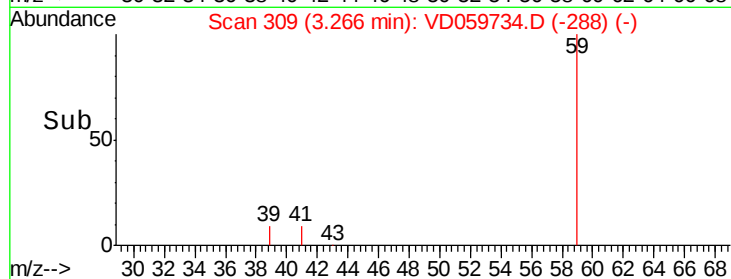
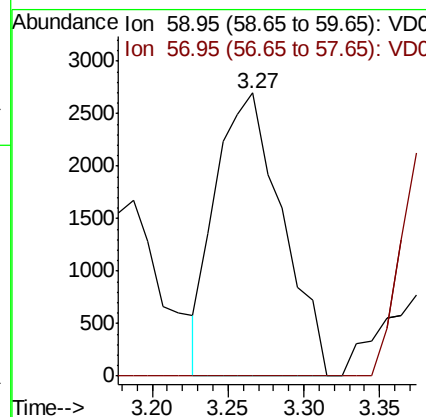
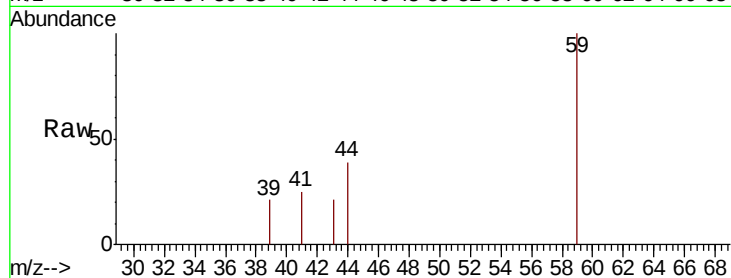


#11

Tert butyl alcohol
Concen: 110.706 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

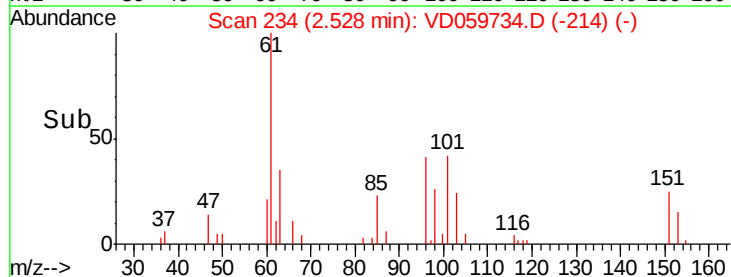
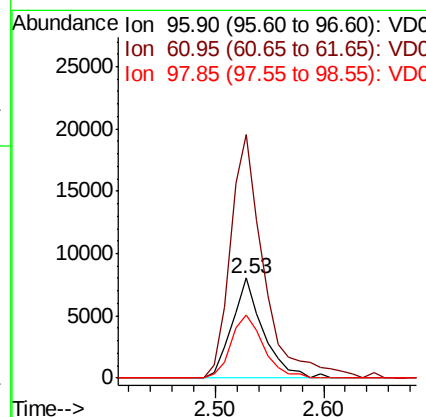
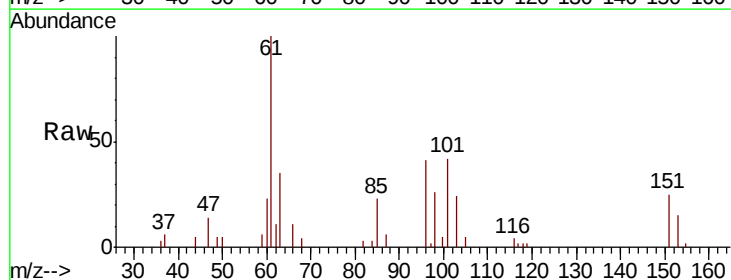
Tot Ion: 59 Resp: 8181
Ion Ratio Lower Upper
59 100
57 0.0 7.3 10.9#

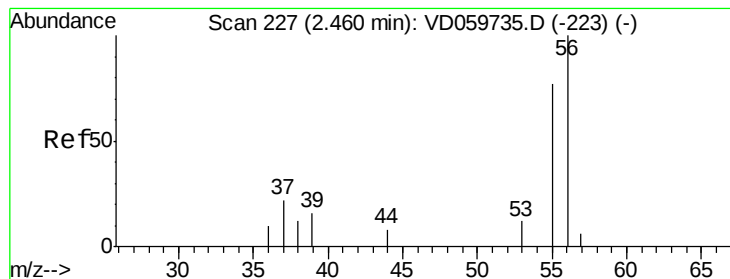


#12

1,1-Dichloroethene
Concen: 20.979 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 96 Resp: 16125
Ion Ratio Lower Upper
96 100
61 242.9 187.2 280.8
98 62.6 50.4 75.6





#13

Acrolein

Concen: 84.558 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

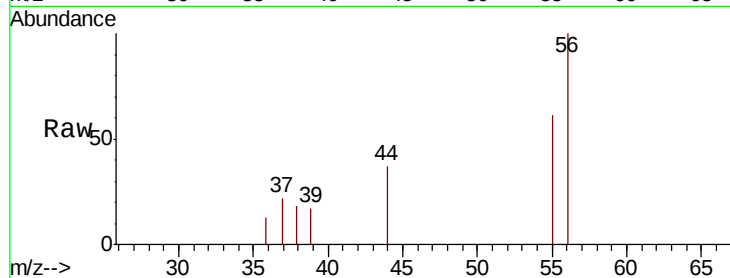
ClientSampleId :

Tot Ion: 56 Resp: 5463

Ion Ratio Lower Upper

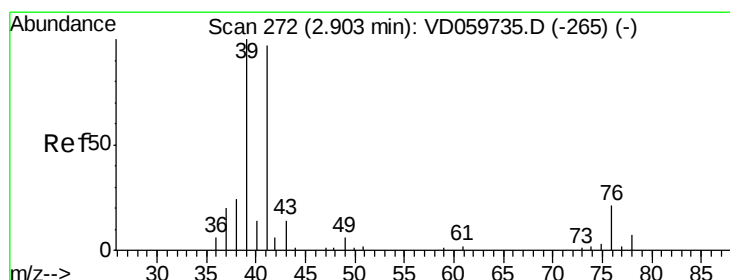
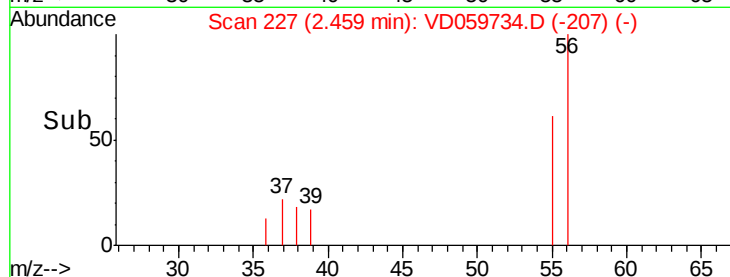
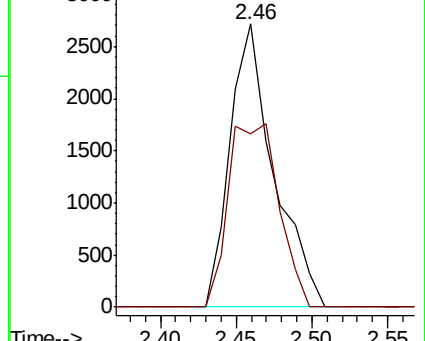
56 100

55 61.3 61.4 92.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.431 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

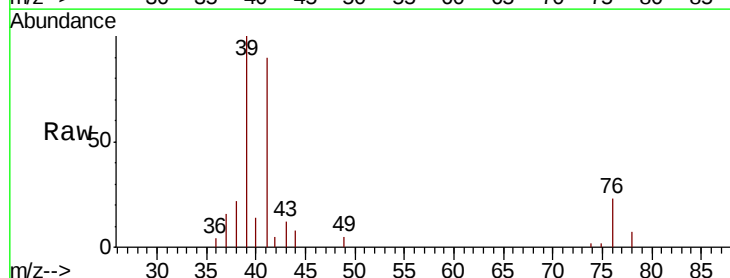
Tgt Ion: 41 Resp: 36294

Ion Ratio Lower Upper

41 100

39 111.1 82.9 124.3

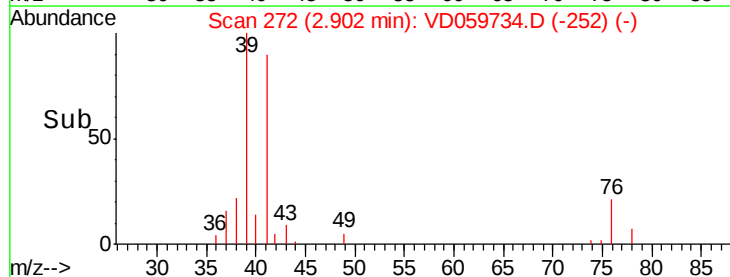
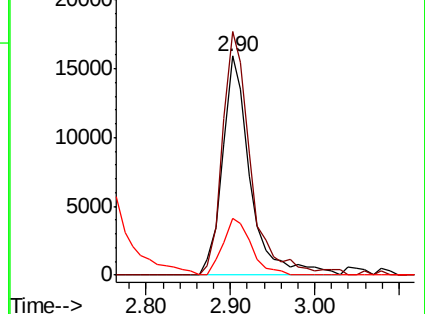
76 25.7 22.2 33.2

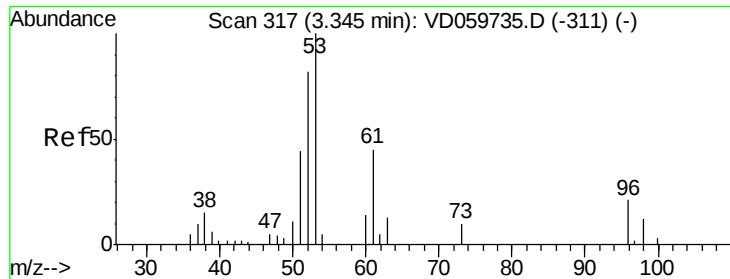


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

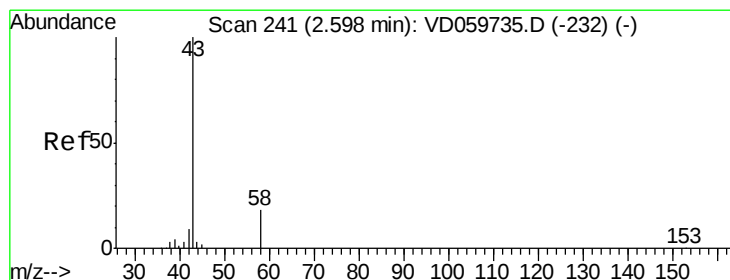
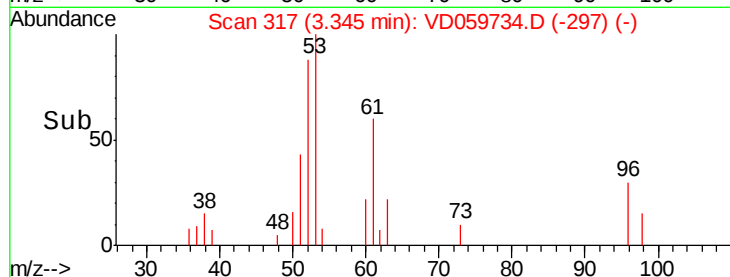
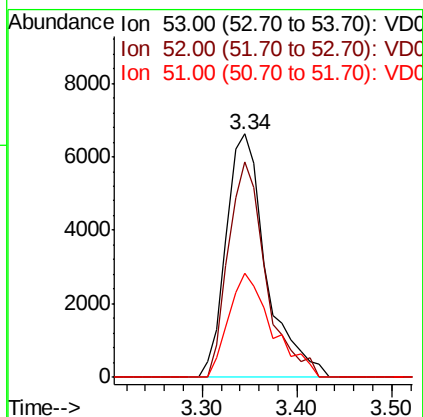
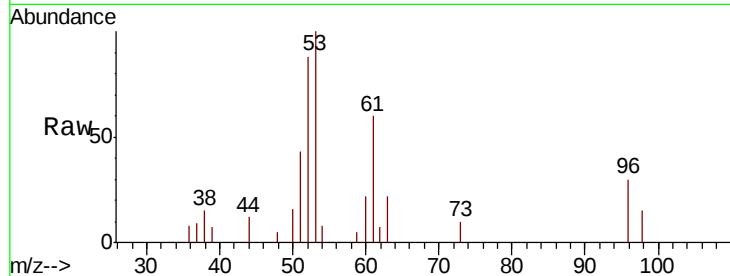




#15
 Acrylonitrile
 Concen: 94.383 ug/l
 RT: 3.34 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

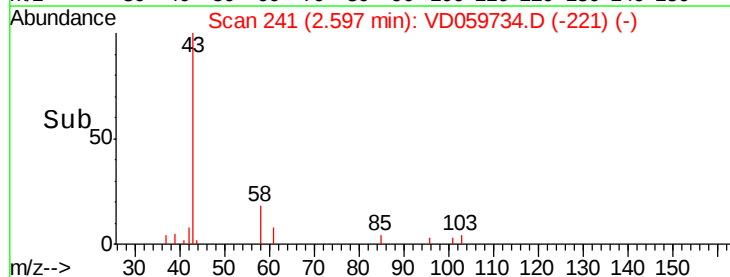
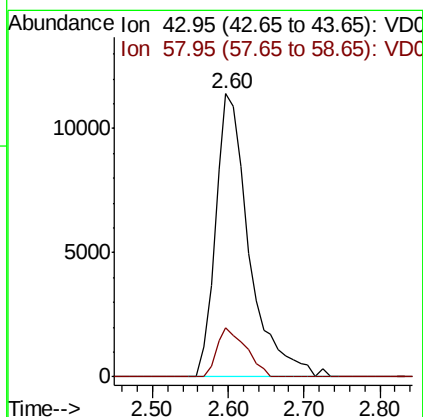
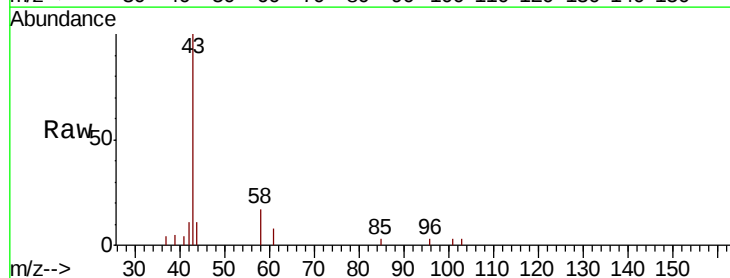
Instrument :
 MSVOA_D
 ClientSampleId :

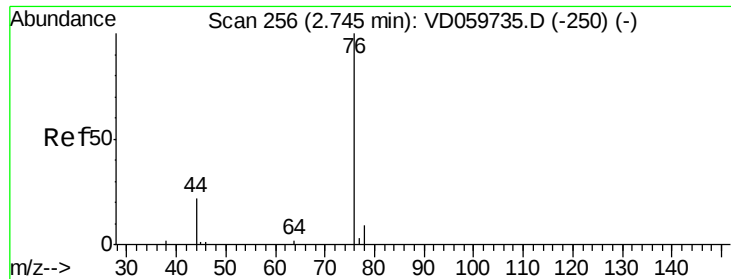
Tot Ion: 53 Resp: 19385
 Ion Ratio Lower Upper
 53 100
 52 88.5 65.8 98.6
 51 42.7 35.1 52.7



#16
 Acetone
 Concen: 91.482 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 43 Resp: 35139
 Ion Ratio Lower Upper
 43 100
 58 17.4 14.6 21.8

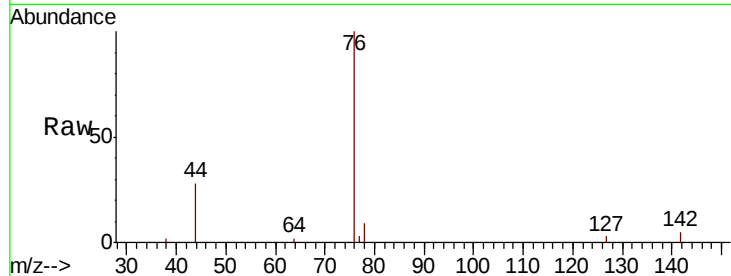




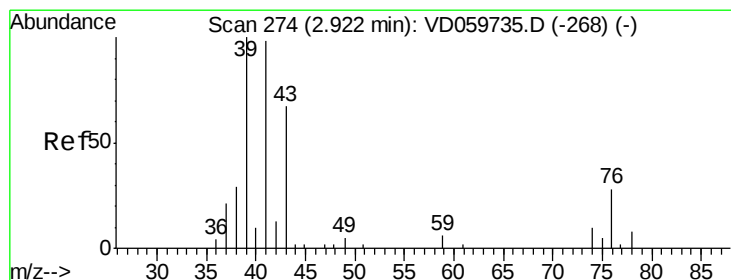
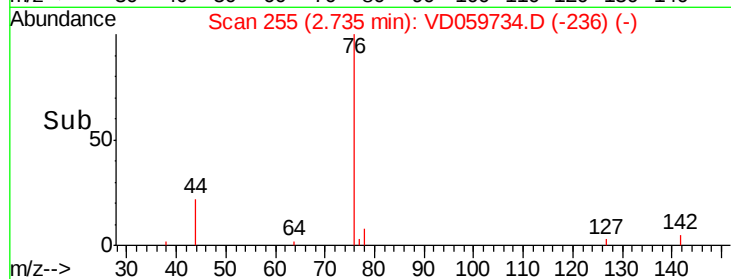
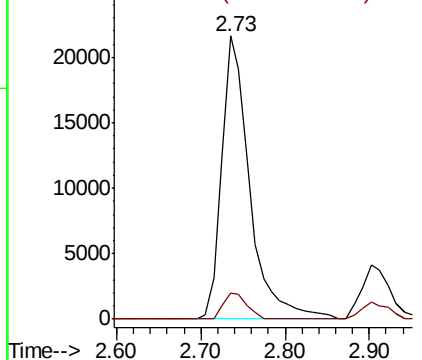
#17
Carbon Disulfide
Concen: 17.965 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 49875
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

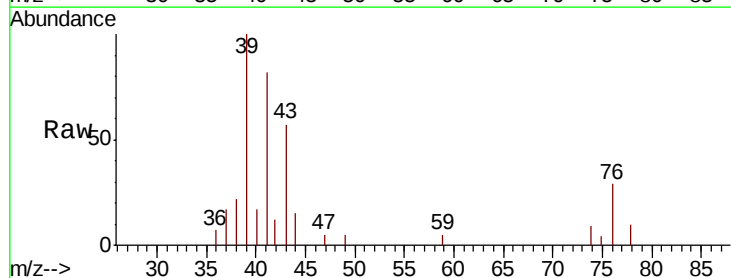


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

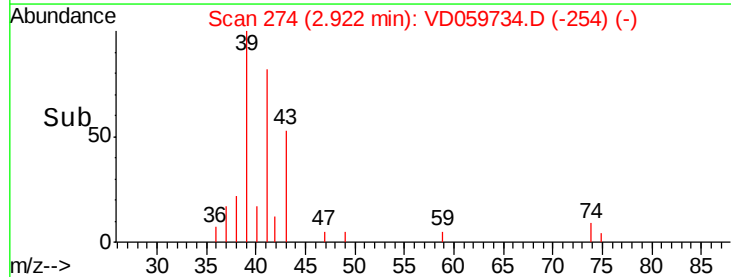
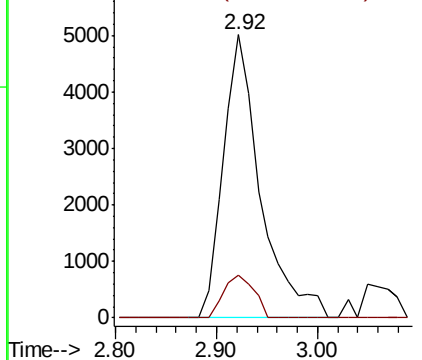


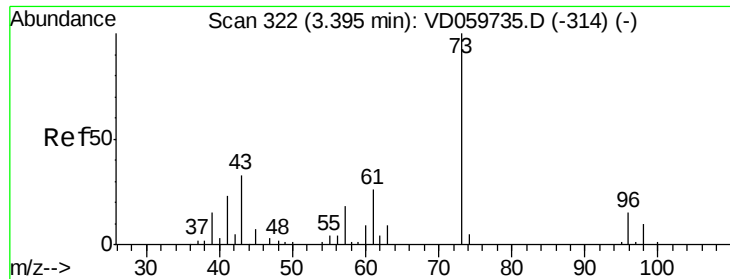
#18
Methyl Acetate
Concen: 17.924 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 43 Resp: 12840
Ion Ratio Lower Upper
43 100
74 15.3 12.1 18.1



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

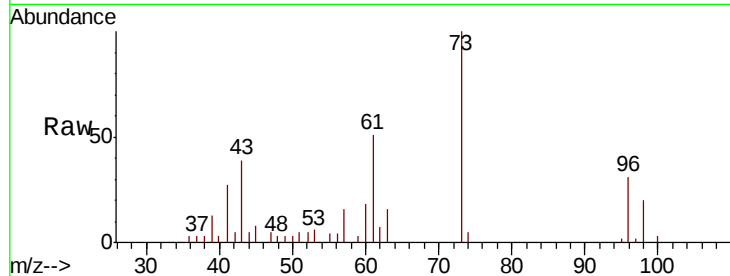




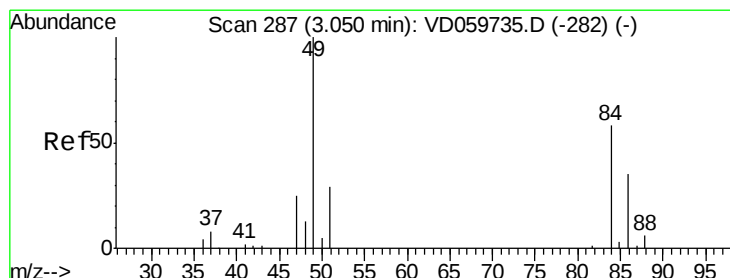
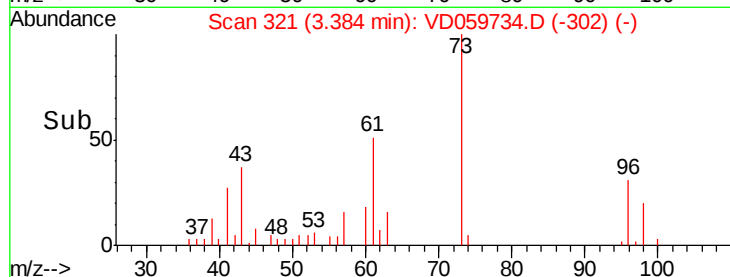
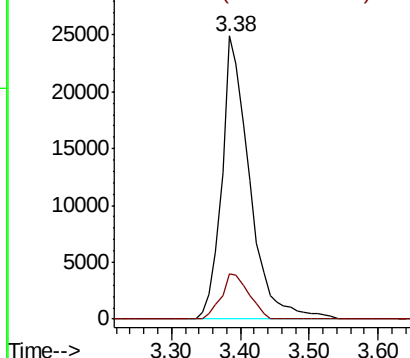
#19
Methyl tert-butyl Ether
Concen: 23.281 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 73 Resp: 69608
Ion Ratio Lower Upper
73 100
57 16.1 14.8 22.2

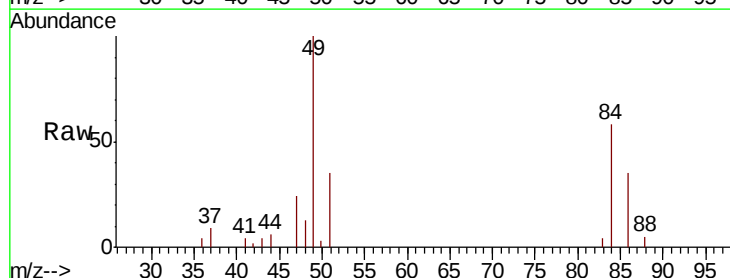


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

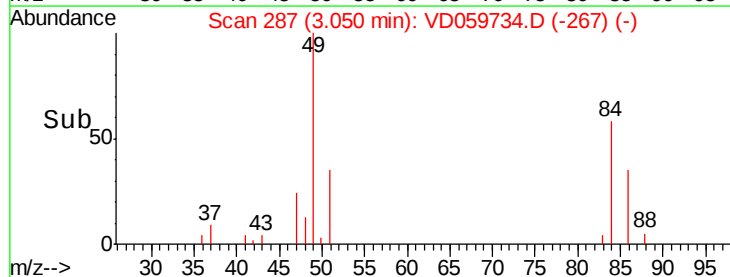
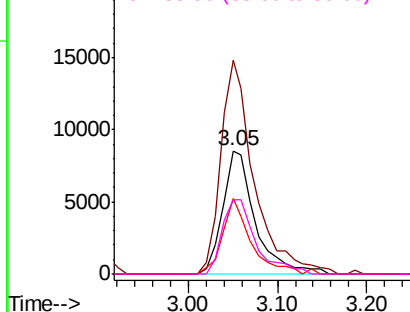


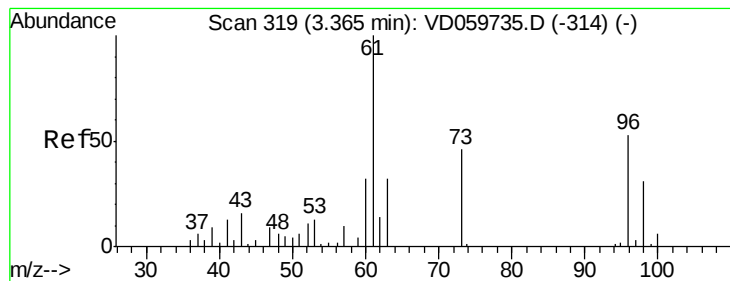
#20
Methylene Chloride
Concen: 14.808 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 84 Resp: 21890
Ion Ratio Lower Upper
84 100
49 172.9 138.9 208.3
51 60.8 40.2 60.2#
86 60.1 49.1 73.7



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 21.824 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.02 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampled :

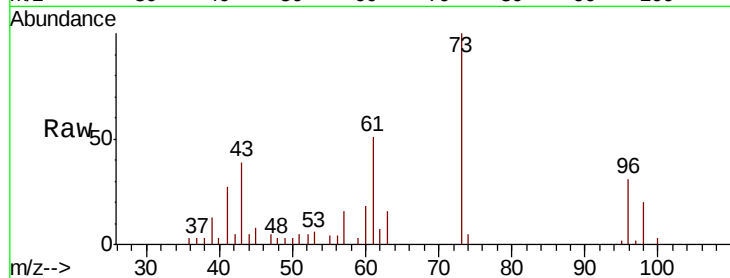
Tot Ion: 96 Resp: 22043

Ion Ratio Lower Upper

96 100

61 161.2 152.0 228.0

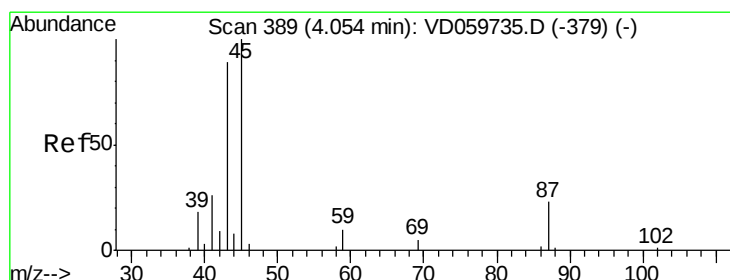
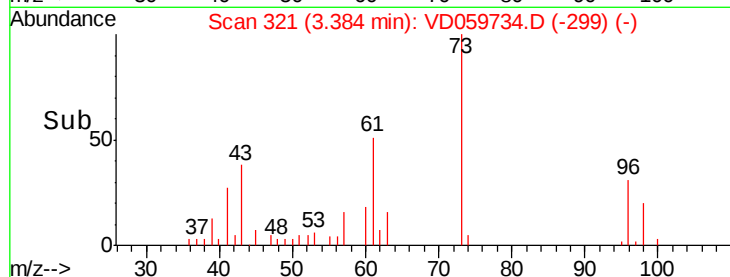
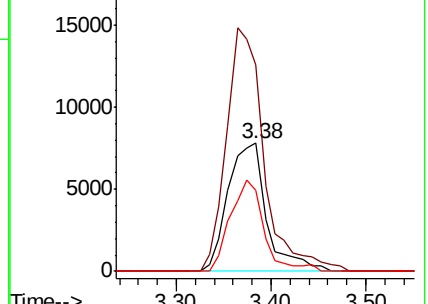
98 63.2 47.4 71.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 16.847 ug/l

RT: 4.06 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Tgt Ion: 45 Resp: 68226

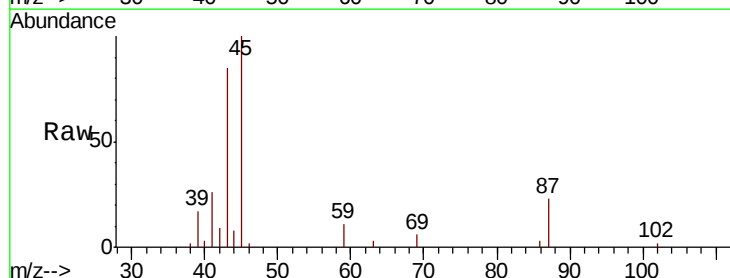
Ion Ratio Lower Upper

45 100

43 84.6 75.5 113.3

87 22.7 19.4 29.0

59 10.9 8.5 12.7

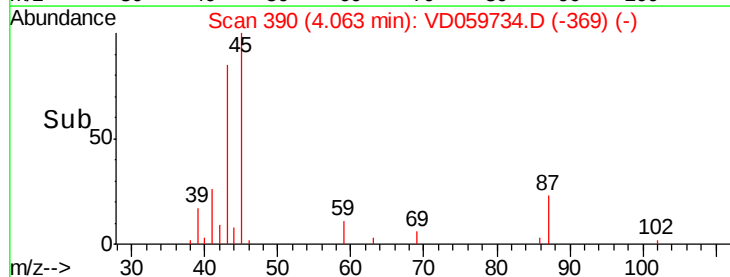
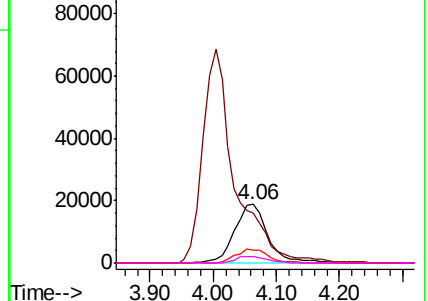


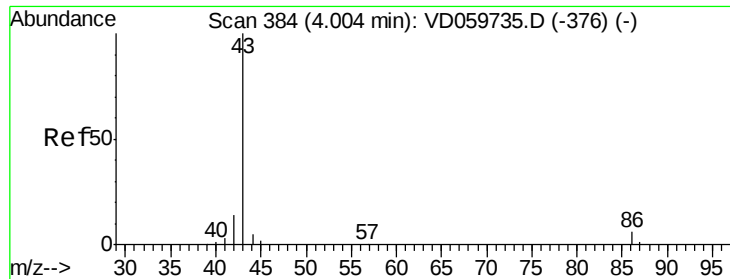
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

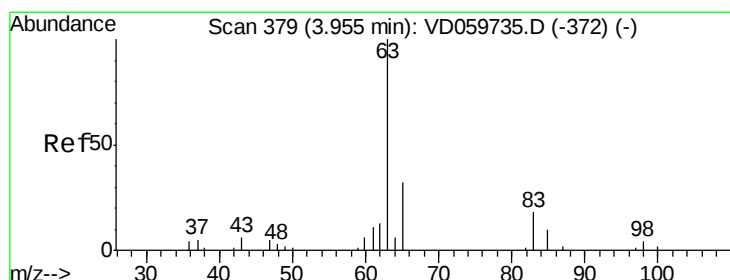
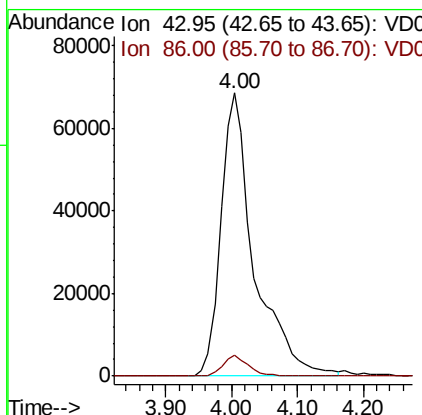
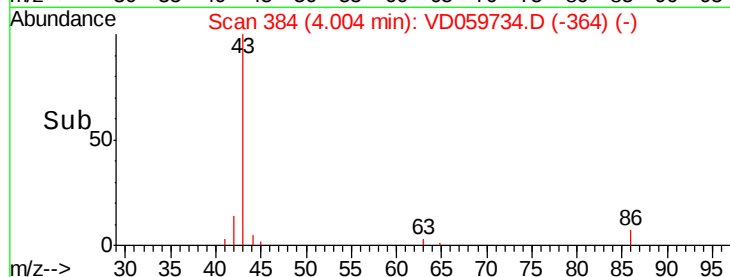
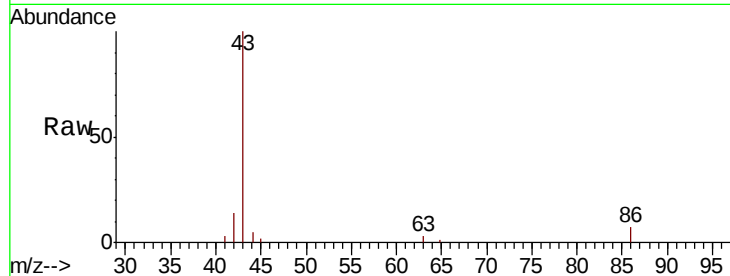




#23
 Vinyl Acetate
 Concen: 92.398 ug/l
 RT: 4.00 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

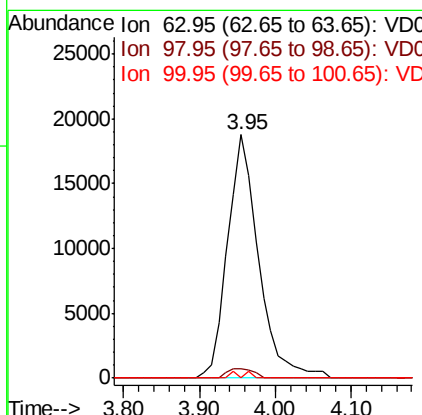
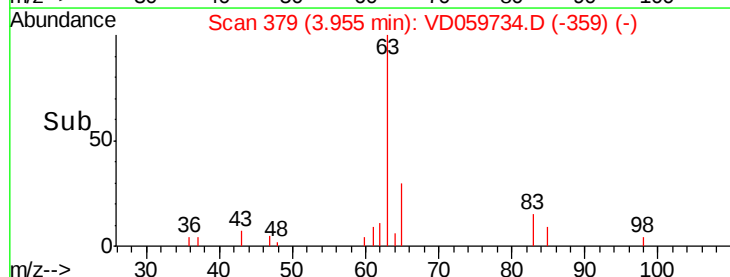
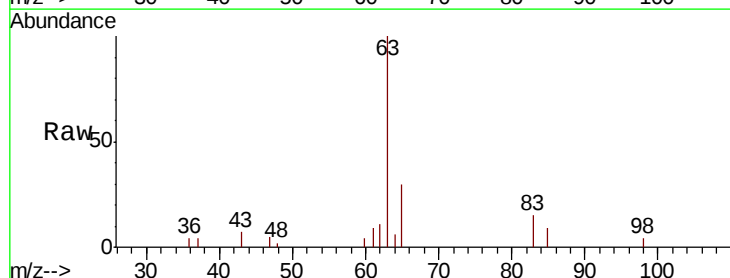
Instrument :
 MSVOA_D
 ClientSampleId :

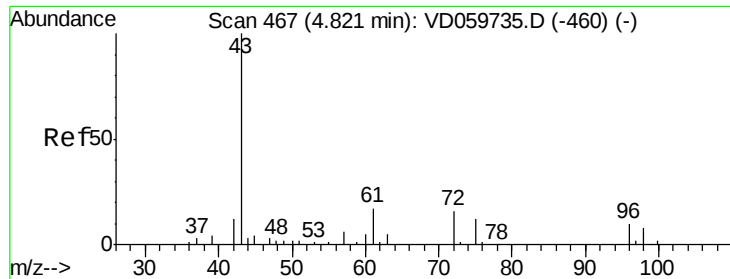
Tot Ion: 43 Resp: 240821
 Ion Ratio Lower Upper
 43 100
 86 7.3 5.0 7.4



#24
 1,1-Dichloroethane
 Concen: 19.758 ug/l
 RT: 3.95 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 63 Resp: 53402
 Ion Ratio Lower Upper
 63 100
 98 4.0 1.8 5.5
 100 0.0 1.1 3.1#





#25

2-Butanone

Concen: 76.731 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

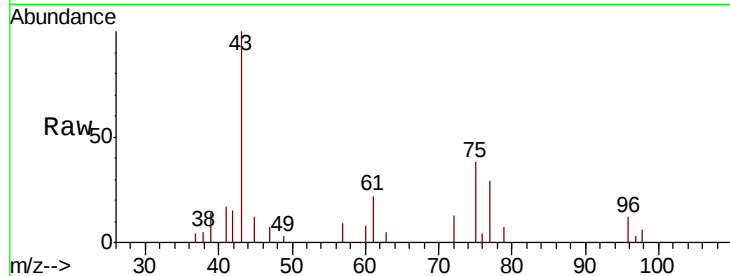
ClientSampled :

Tot Ion: 43 Resp: 37188

Ion Ratio Lower Upper

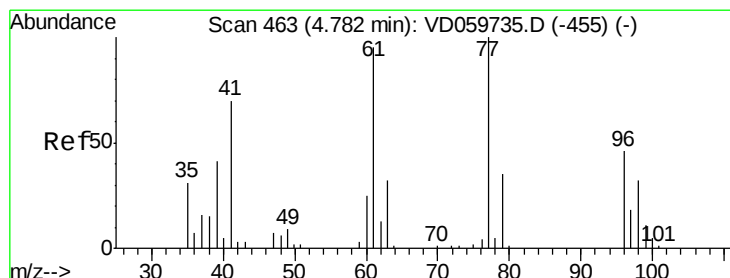
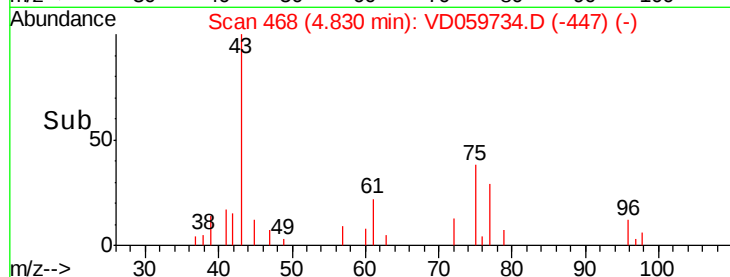
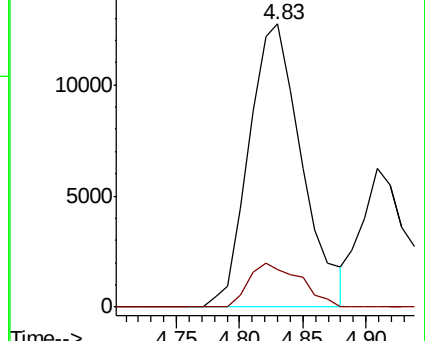
43 100

72 13.3 13.1 19.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.481 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059734.D

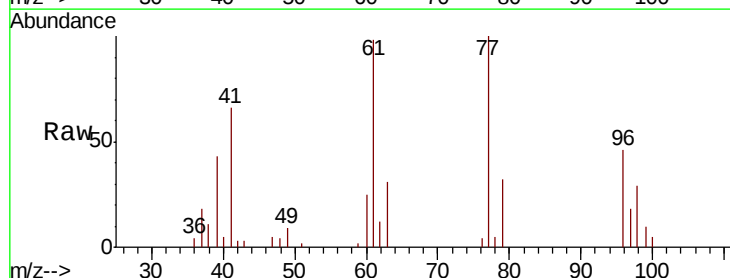
Acq: 10 Aug 2018 17:41

Tgt Ion: 77 Resp: 62855

Ion Ratio Lower Upper

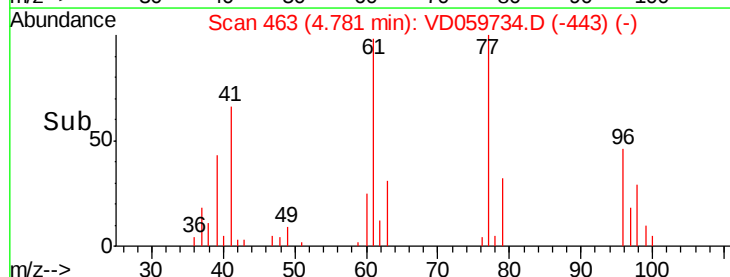
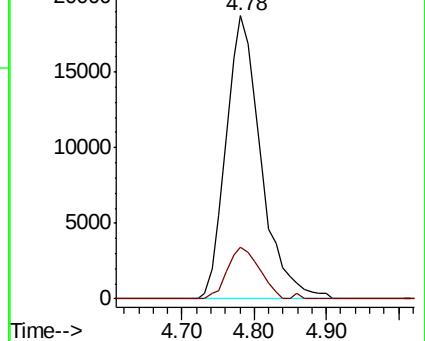
77 100

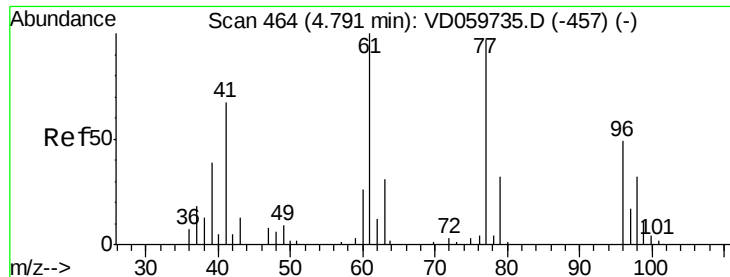
97 18.3 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



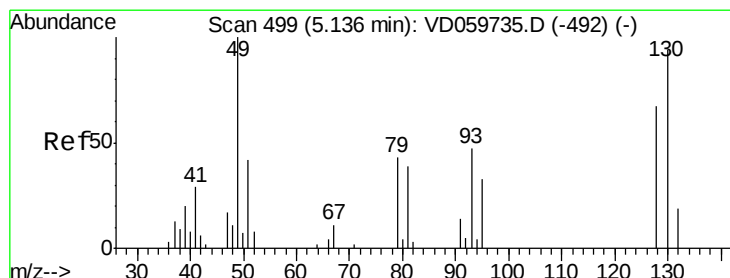
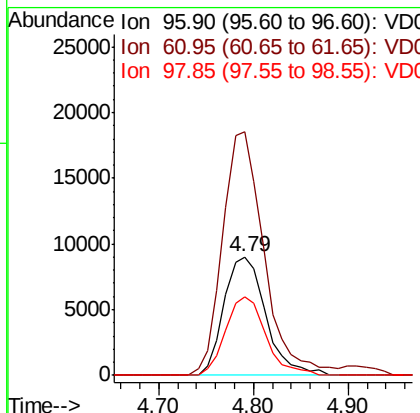
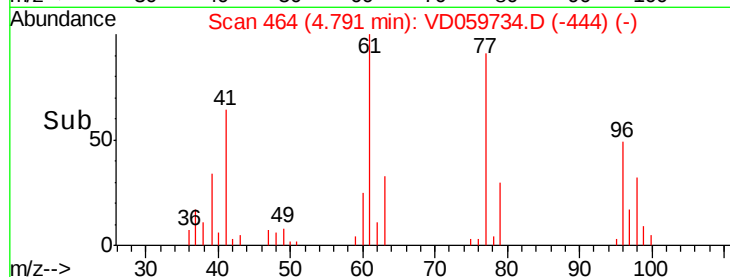
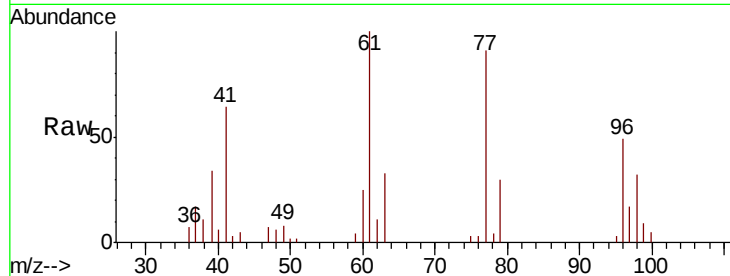


#27

cis-1,2-Dichloroethene
 Concen: 19.274 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampled :

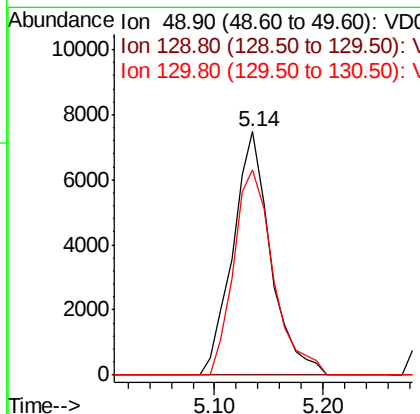
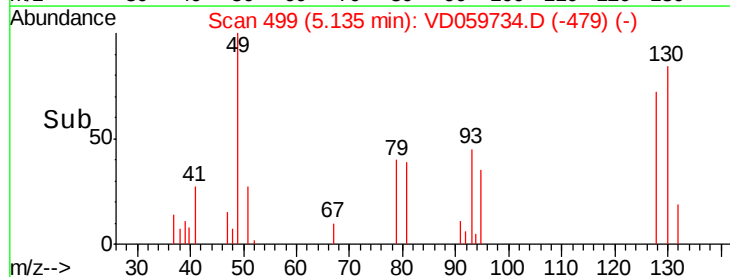
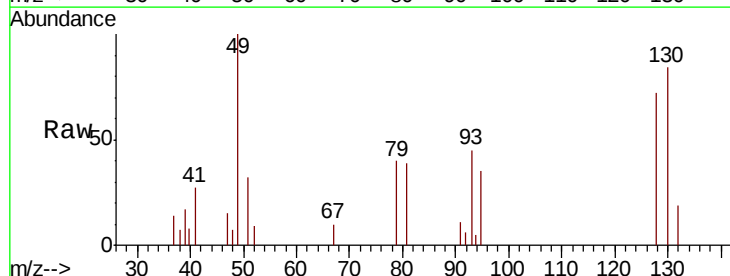
Tot Ion: 96 Resp: 27447
 Ion Ratio Lower Upper
 96 100
 61 205.3 0.0 409.8
 98 65.7 0.0 132.8

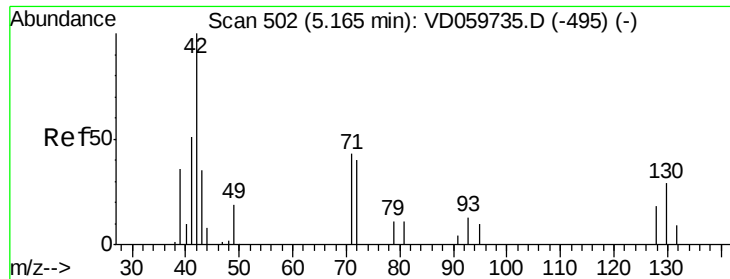


#28

Bromochloromethane
 Concen: 17.898 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 49 Resp: 18178
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 84.3 75.0 112.6

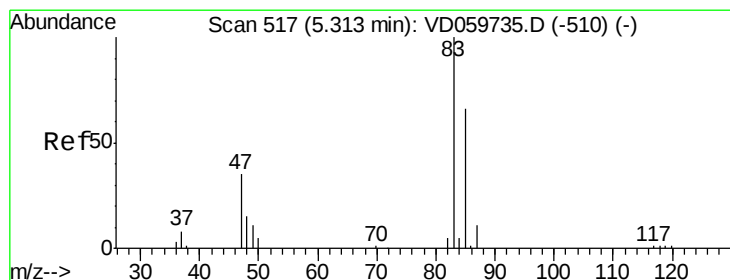
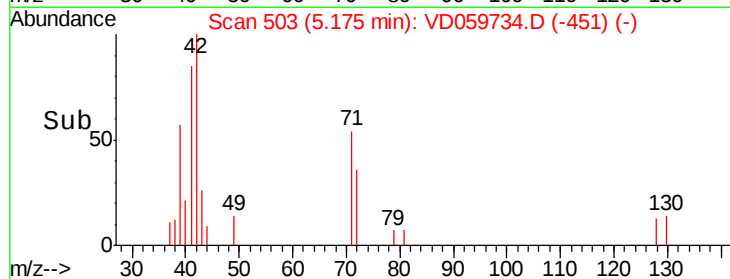
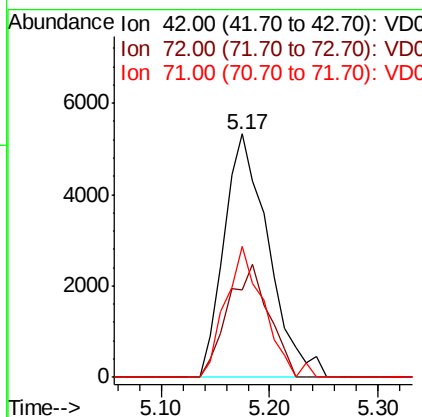
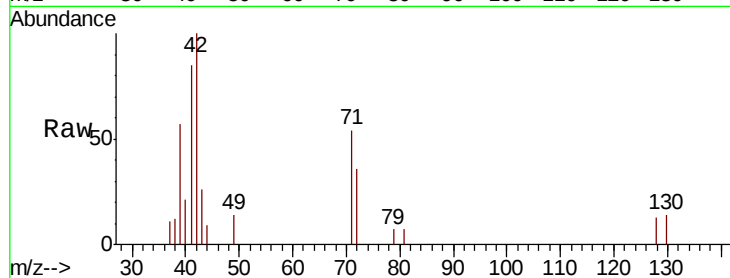




#29
Tetrahydrofuran
Concen: 80.287 ug/l
RT: 5.17 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

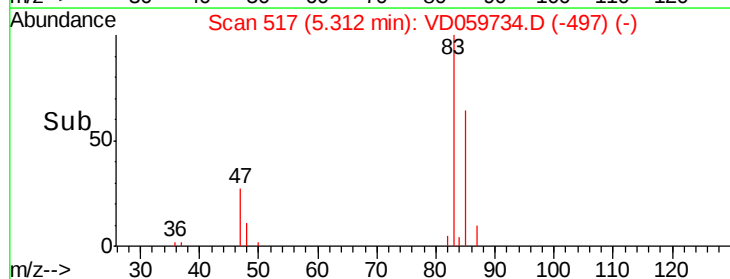
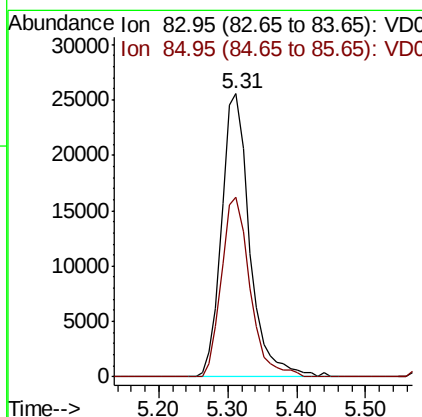
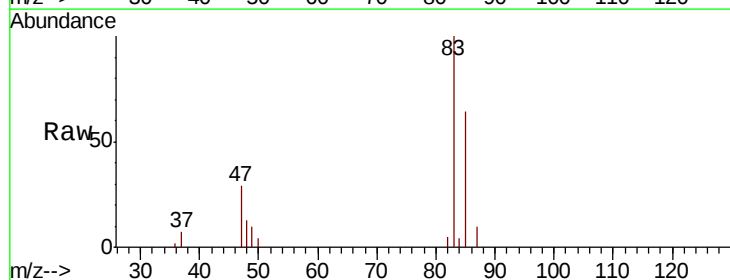
Instrument :
MSVOA_D
ClientSampled :

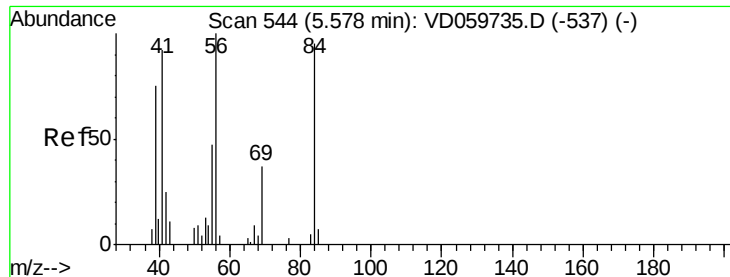
Tot Ion: 42 Resp: 15152
Ion Ratio Lower Upper
42 100
72 43.1 35.3 52.9
71 46.7 37.1 55.7



#30
Chloroform
Concen: 21.484 ug/l
RT: 5.31 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 83 Resp: 72105
Ion Ratio Lower Upper
83 100
85 63.7 52.9 79.3

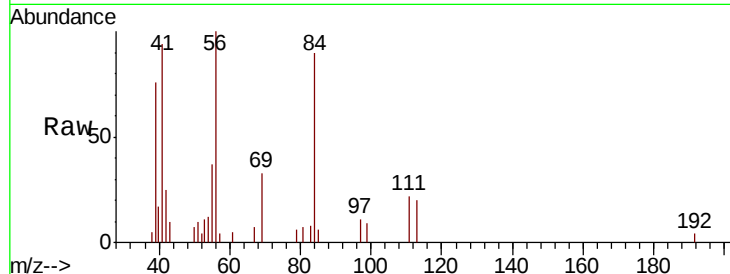




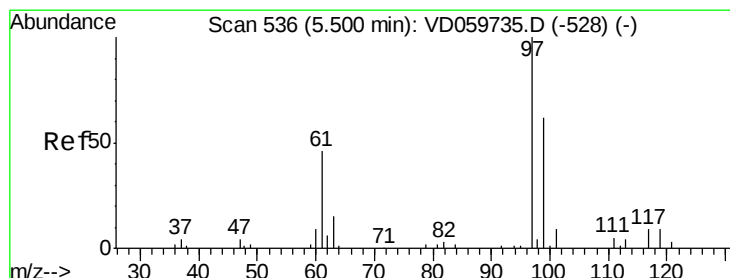
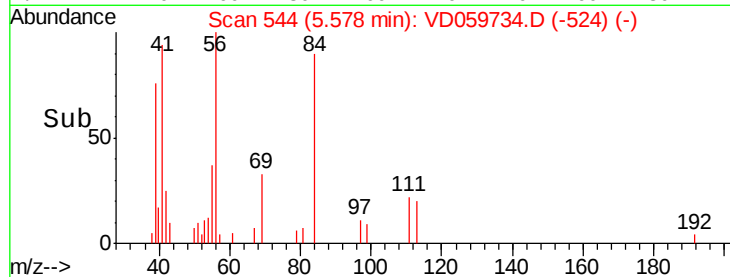
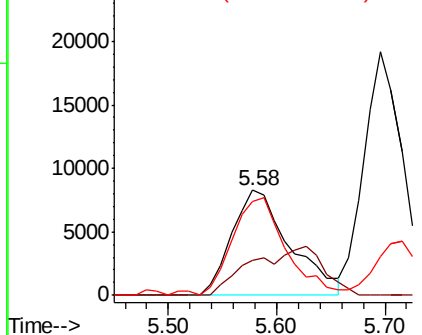
#31
Cvclohexane
Concen: 15.788 ug/l
RT: 5.58 min Scan# 544
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 31071
Ion Ratio Lower Upper
56 100
69 33.1 29.3 43.9
84 89.9 76.2 114.2

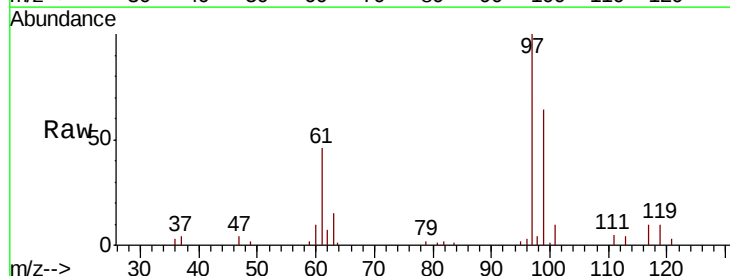


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

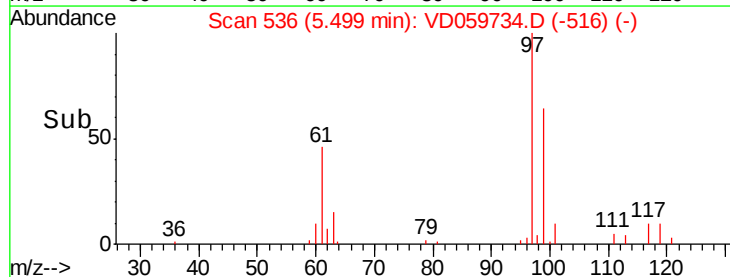
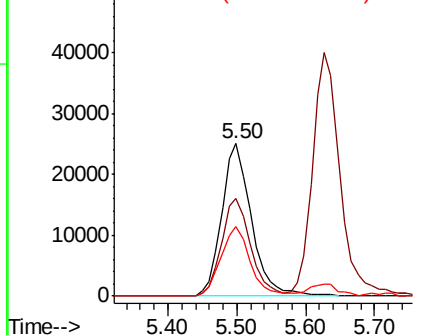


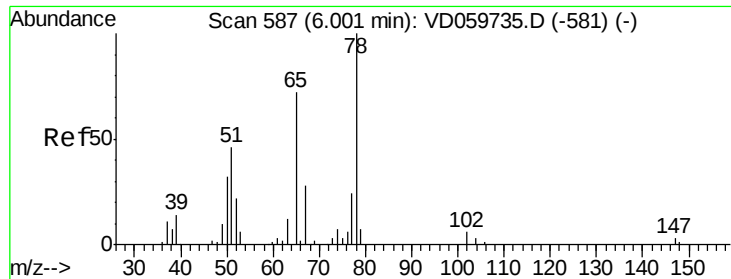
#32
1,1,1-Trichloroethane
Concen: 22.754 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 97 Resp: 74903
Ion Ratio Lower Upper
97 100
99 64.3 49.8 74.6
61 45.9 37.0 55.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 22.754 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

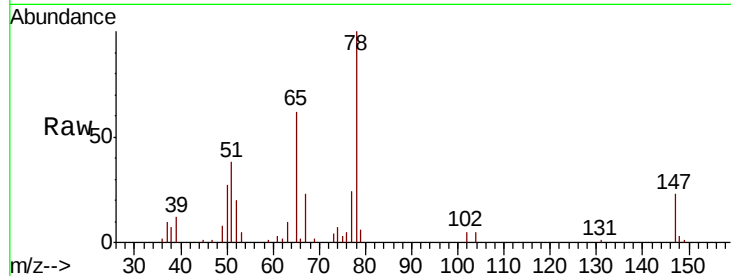
ClientSampleId :

Tot Ion: 65 Resp: 45408

Ion Ratio Lower Upper

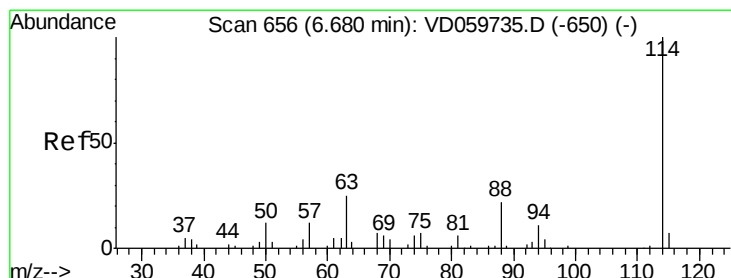
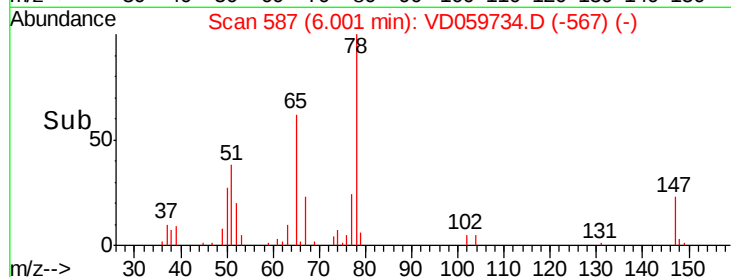
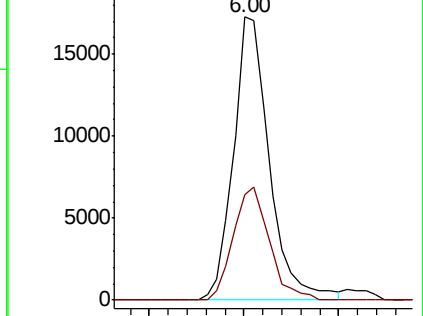
65 100

67 37.1 0.0 77.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

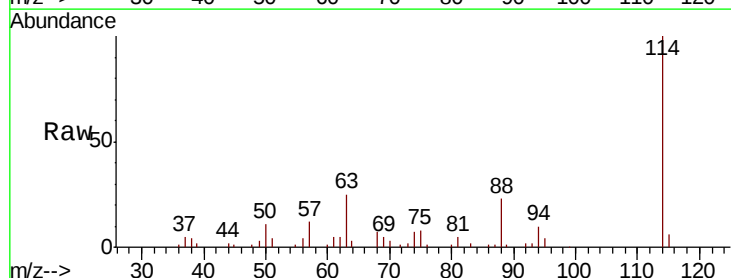
Tgt Ion: 114 Resp: 178642

Ion Ratio Lower Upper

114 100

63 24.5 0.0 50.6

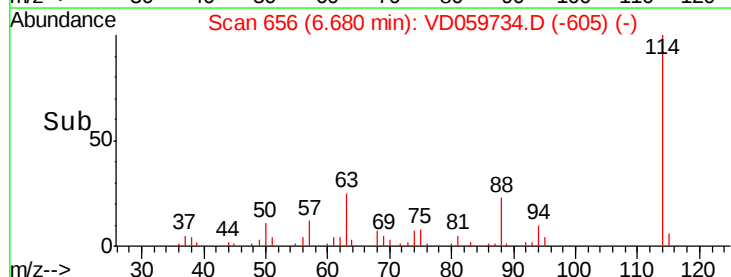
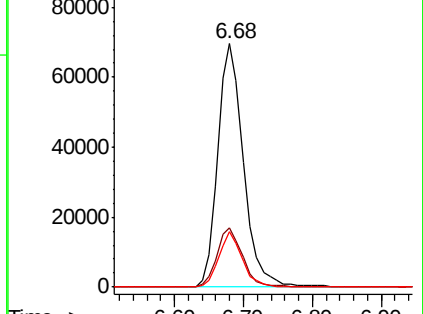
88 22.7 0.0 43.4

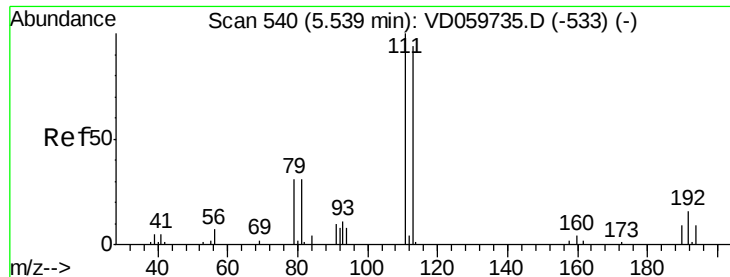


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

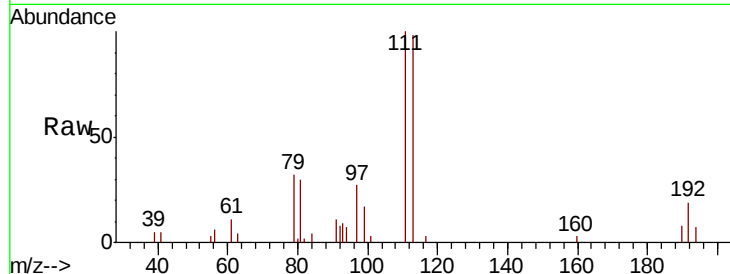




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	85.3	127.9
192	19.1	13.9	20.9

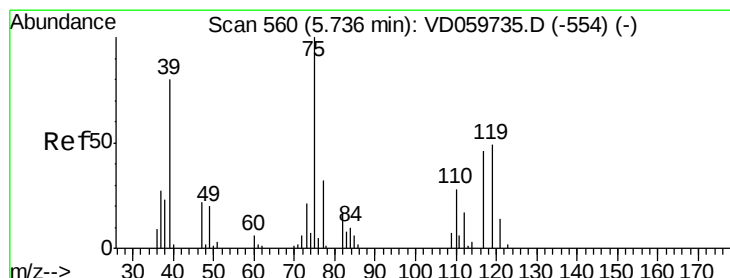
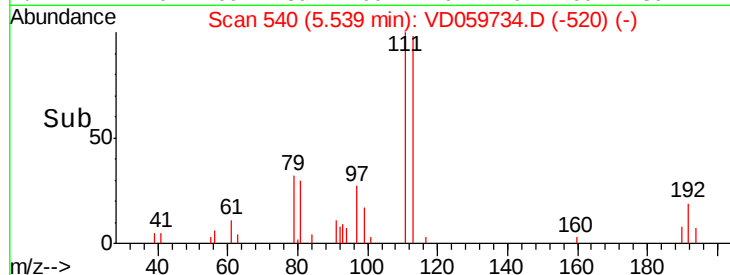
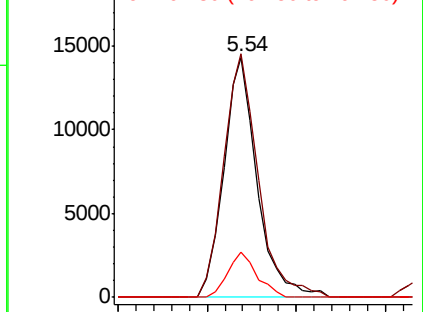


Abundance

Ion 112.90 (112.60 to 113.60): V

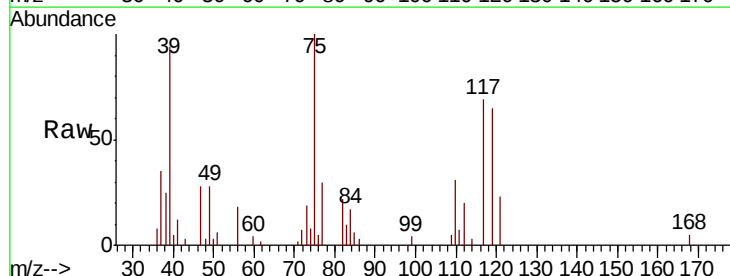
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36
 1,1-Dichloropropene
 Concen: 20.712 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.7	13.7	41.0
77	29.9	25.4	38.2

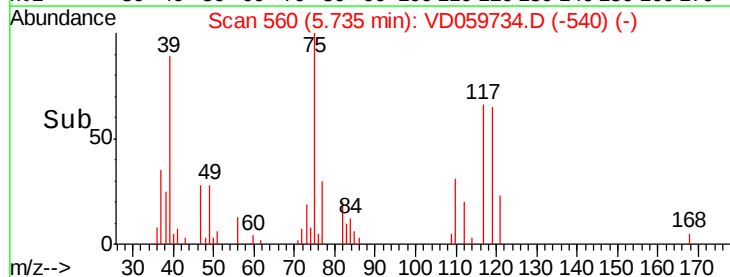
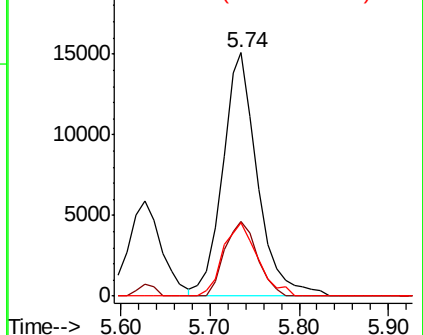


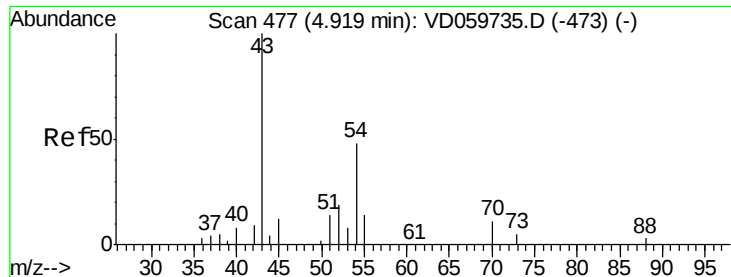
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

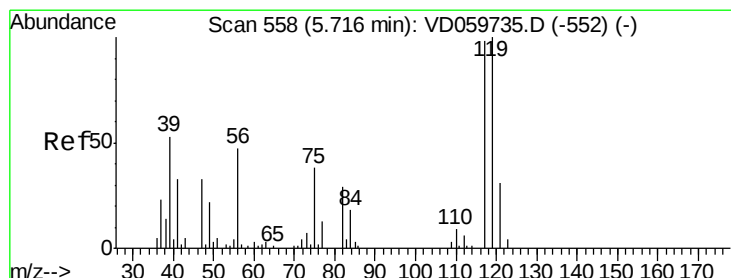
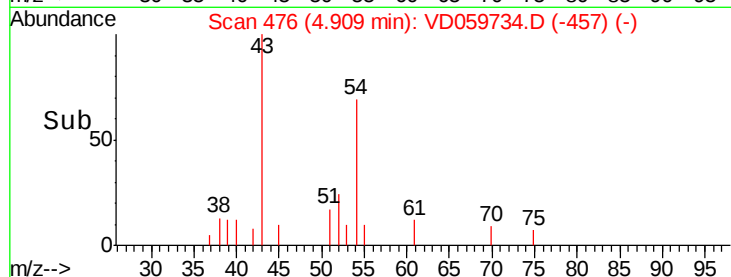
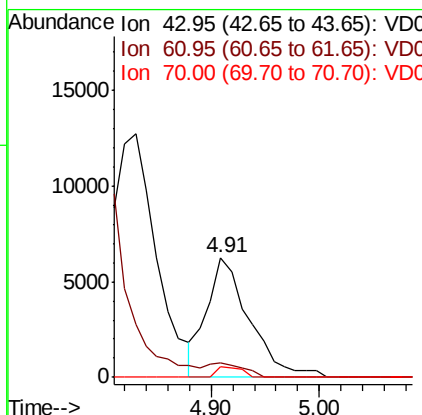
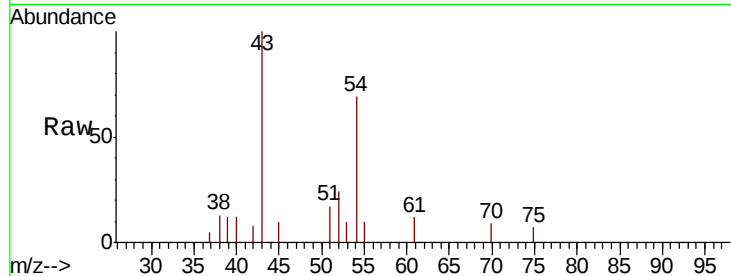




#37
Ethyl Acetate
Concen: 17.738 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

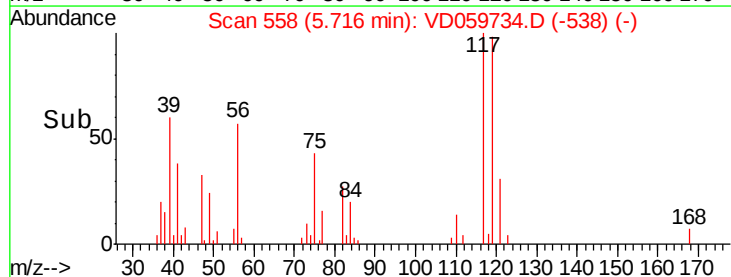
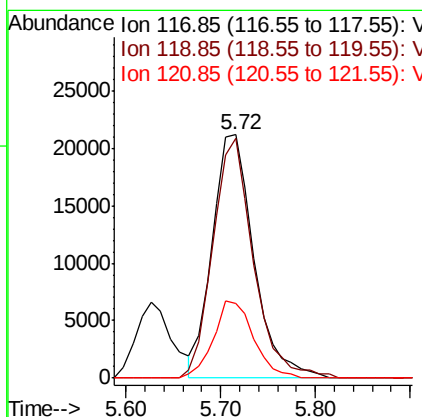
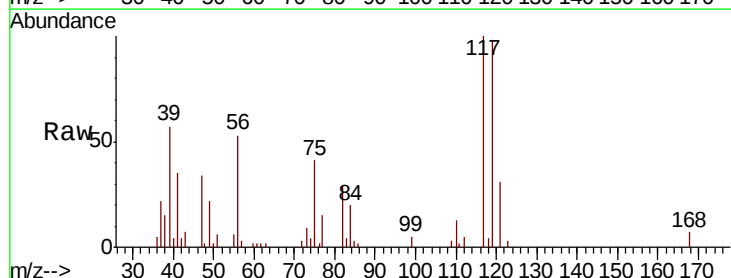
Instrument :
MSVOA_D
ClientSampleID :

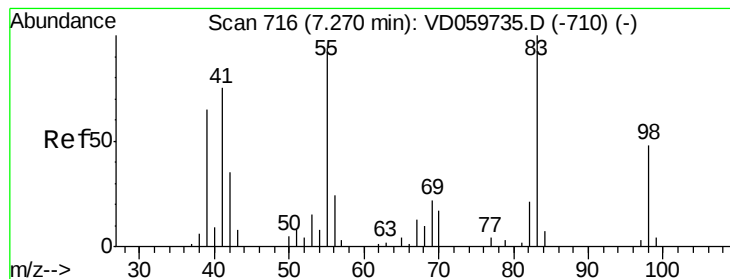
Tot Ion: 43 Resp: 17121
Ion Ratio Lower Upper
43 100
61 11.9 7.4 11.0#
70 9.1 5.8 8.8#



#38
Carbon Tetrachloride
Concen: 23.513 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 117 Resp: 64576
Ion Ratio Lower Upper
117 100
119 98.4 78.2 117.2
121 30.7 23.9 35.9





#39

Methvlcvclohexane

Concen: 19.431 ug/l

RT: 7.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampled :

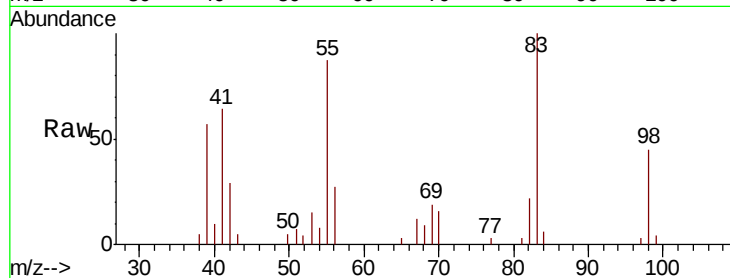
Tot Ion: 83 Resp: 31917

Ion Ratio Lower Upper

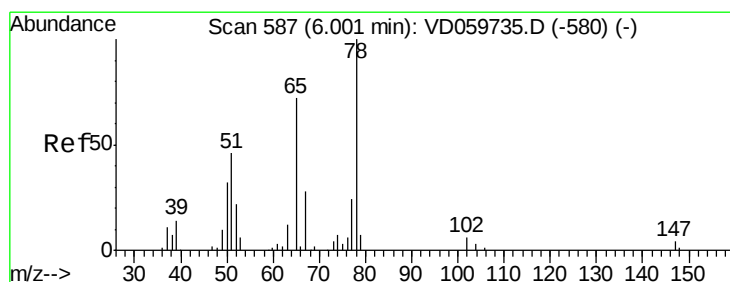
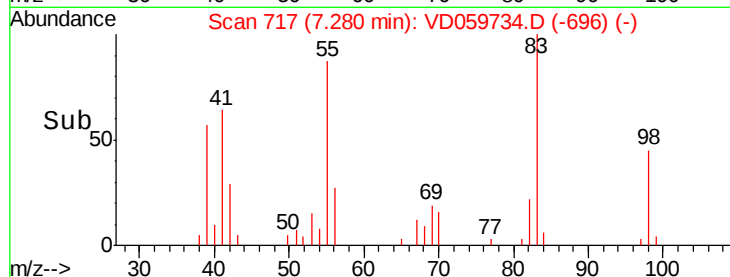
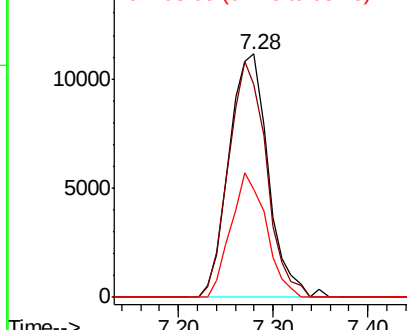
83 100

55 87.5 75.1 112.7

98 44.5 38.7 58.1



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



#40

Benzene

Concen: 19.526 ug/l

RT: 6.00 min Scan# 587

Delta R.T. -0.00 min

Lab File: VD059734.D

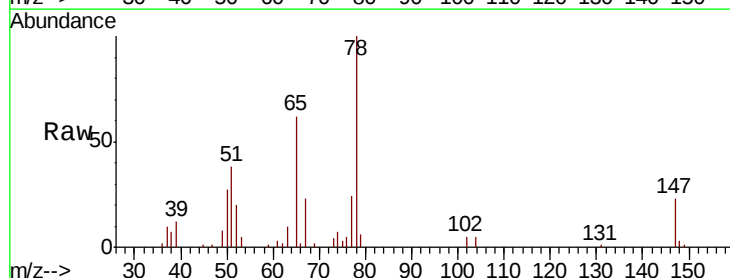
Acq: 10 Aug 2018 17:41

Tgt Ion: 78 Resp: 74029

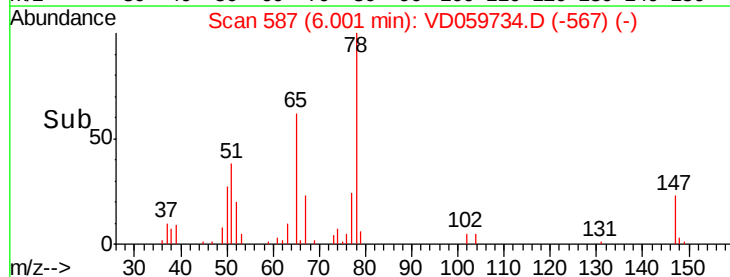
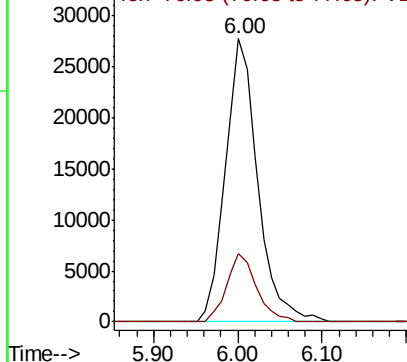
Ion Ratio Lower Upper

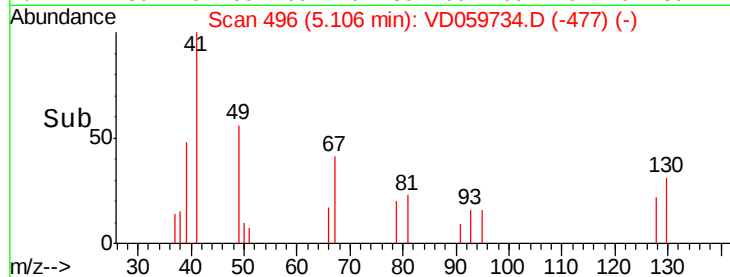
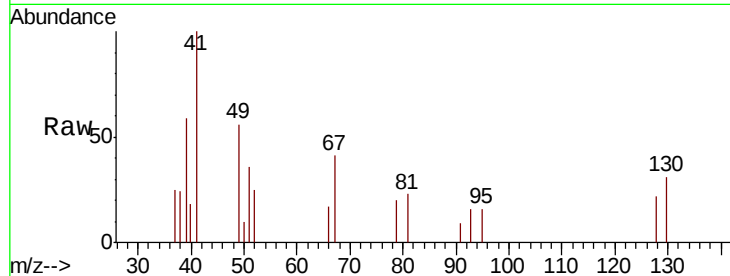
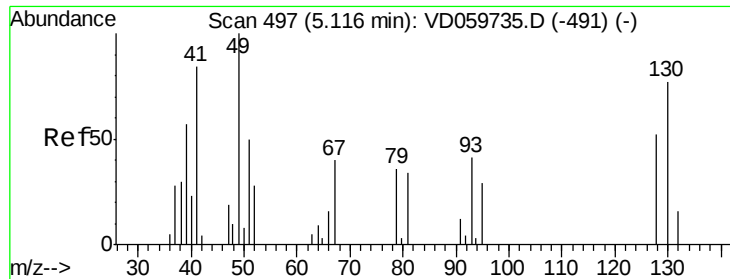
78 100

77 24.0 19.4 29.0



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





#41

Methacrylonitrile

Concen: 22.285 ug/l

RT: 5.11 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Tot Ion: 41 Resp: 9808

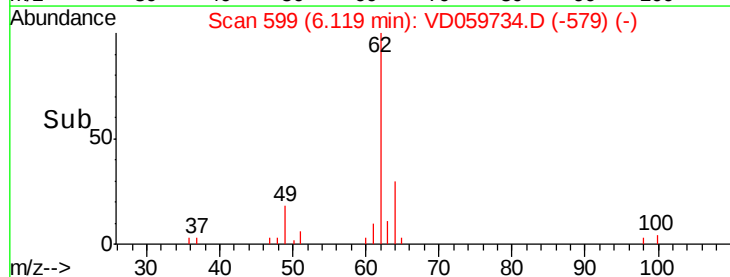
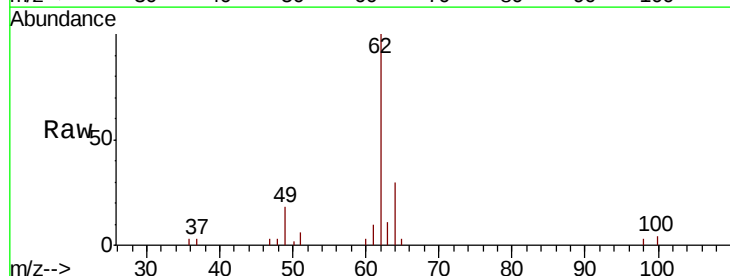
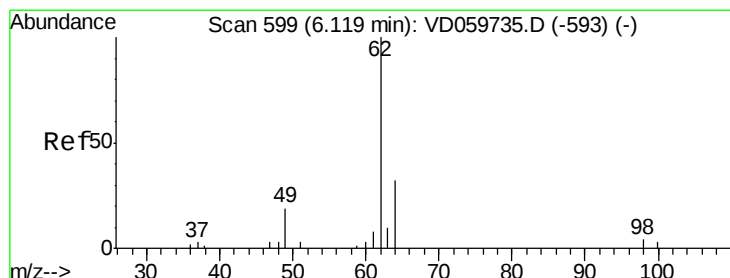
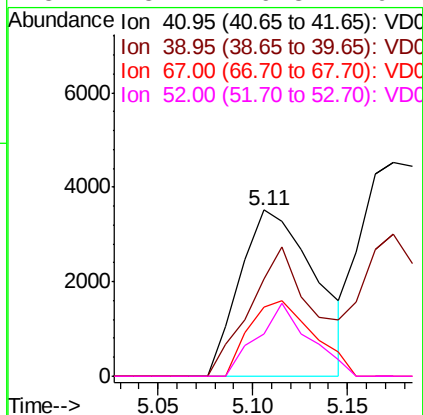
Ion Ratio Lower Upper

41 100

39 58.6 54.3 81.5

67 41.3 38.2 57.2

52 25.2 26.8 40.2#



#42

1,2-Dichloroethane

Concen: 23.186 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD059734.D

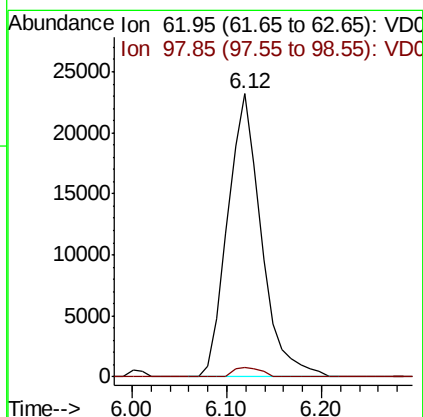
Acq: 10 Aug 2018 17:41

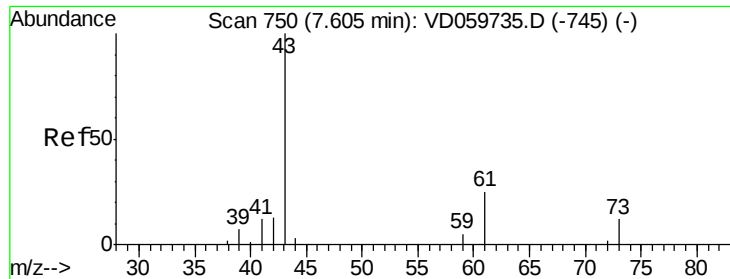
Tgt Ion: 62 Resp: 57226

Ion Ratio Lower Upper

62 100

98 3.4 0.0 8.2

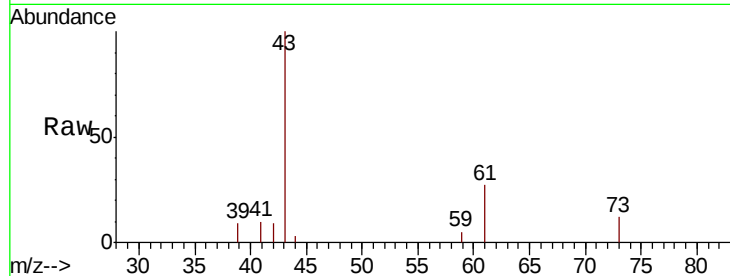




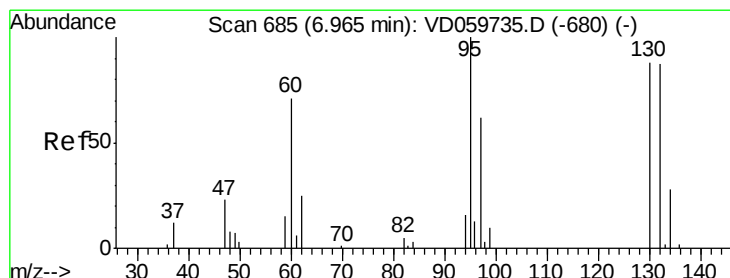
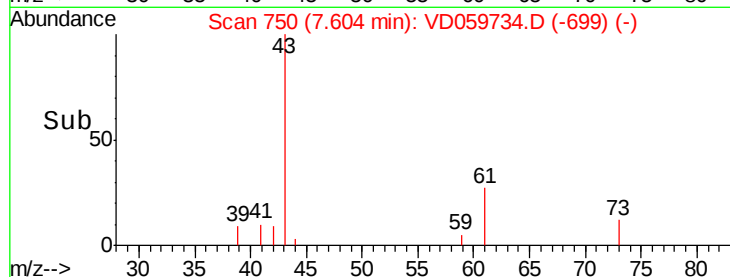
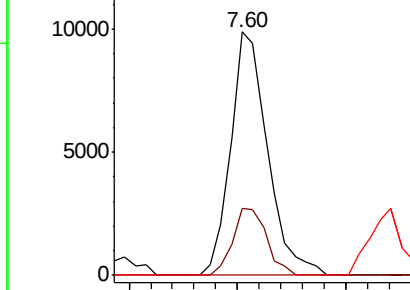
#43
Isopropyl Acetate
Concen: 18.880 ug/l
RT: 7.60 min Scan# 750
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 23484
Ion Ratio Lower Upper
43 100
61 27.4 19.8 29.8
87 0.0 0.0 0.0

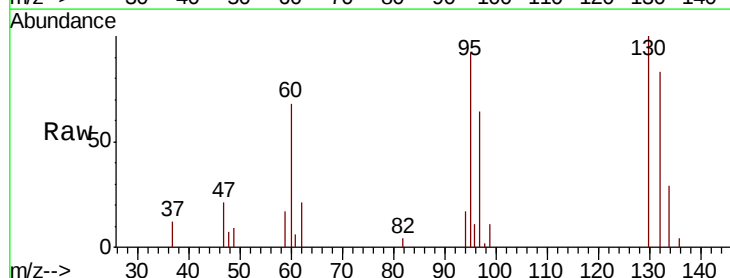


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

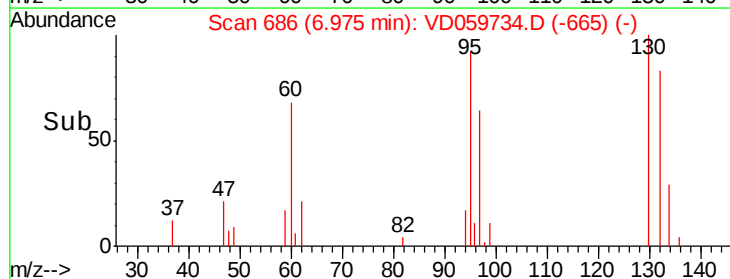
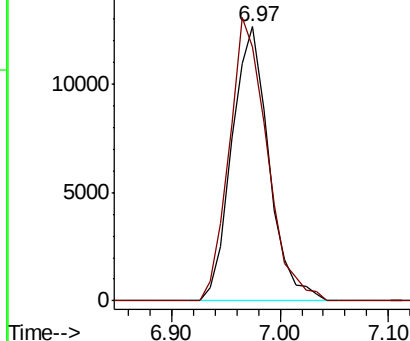


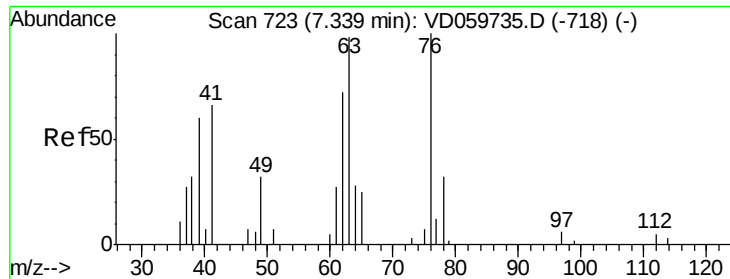
#44
Trichloroethene
Concen: 21.207 ug/l
RT: 6.97 min Scan# 686
Delta R.T. 0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:130 Resp: 30043
Ion Ratio Lower Upper
130 100
95 92.5 0.0 226.4



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





#45

1,2-Dichloropropane

Concen: 17.693 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

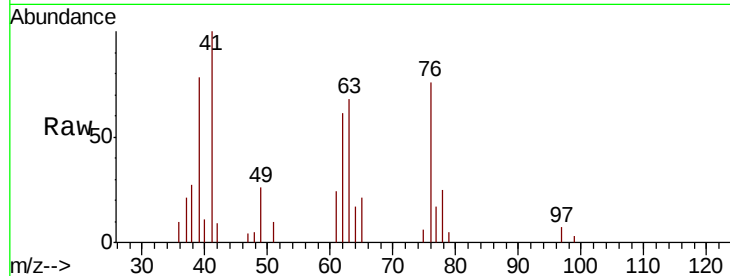
ClientSampled :

Tot Ion: 63 Resp: 17690

Ion Ratio Lower Upper

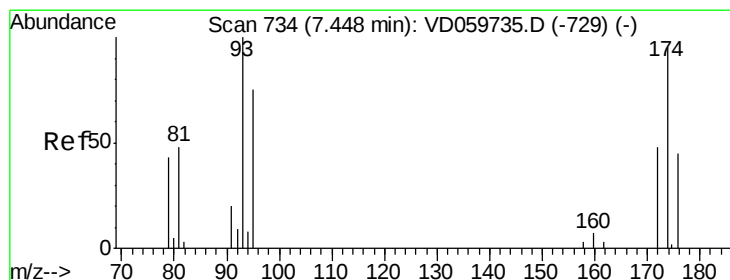
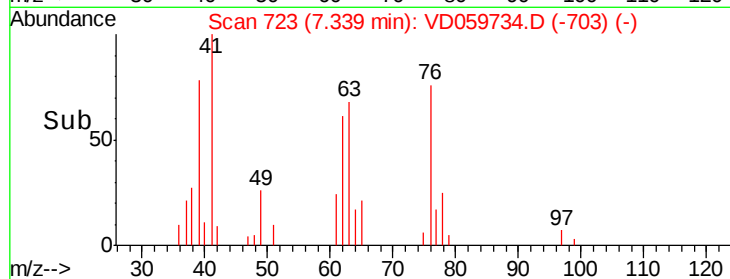
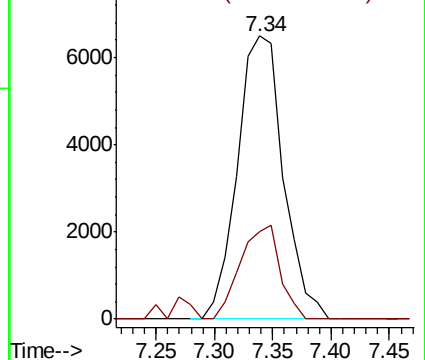
63 100

65 31.0 23.0 34.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.695 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.01 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

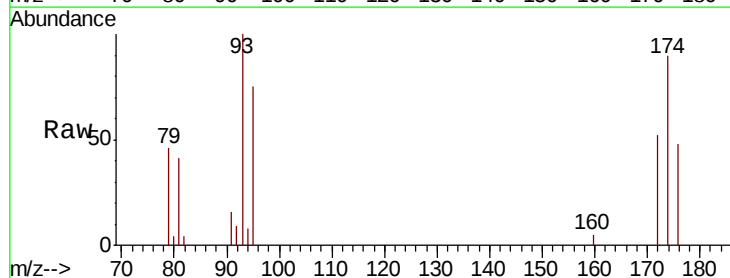
Tgt Ion: 93 Resp: 20316

Ion Ratio Lower Upper

93 100

95 75.1 60.2 90.2

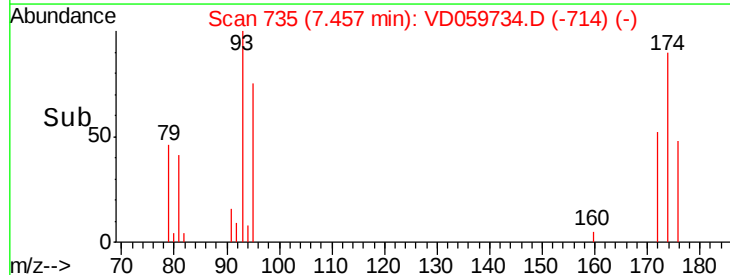
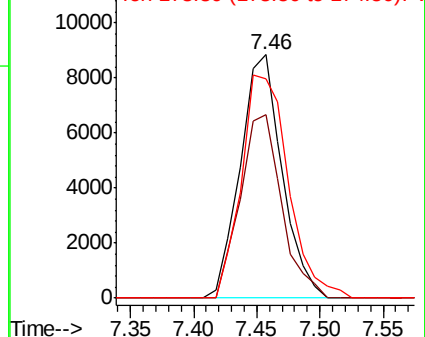
174 90.0 75.6 113.4

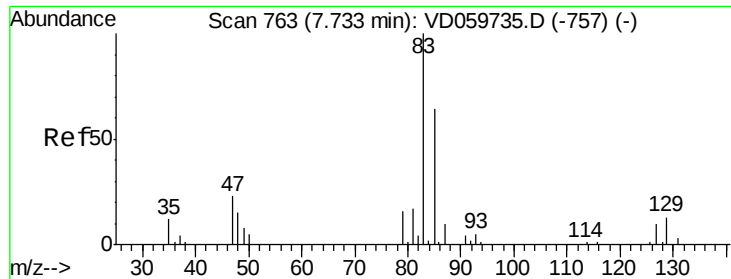


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.795 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

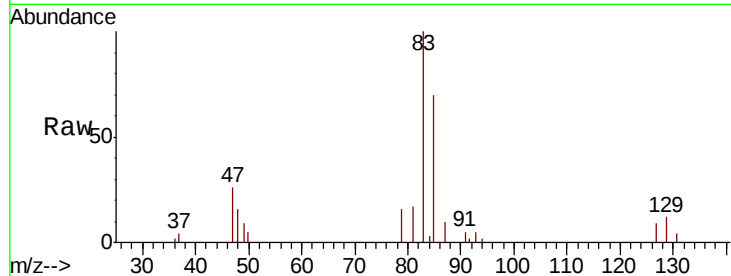
Tot Ion: 83 Resp: 52424

Ion Ratio Lower Upper

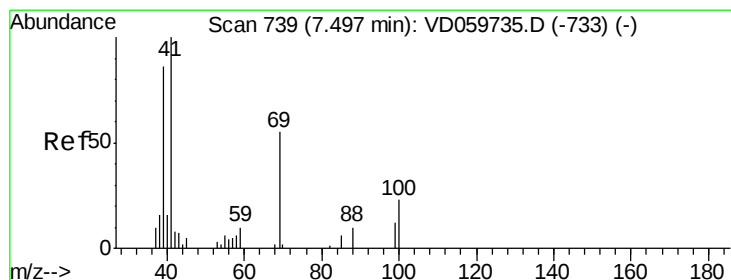
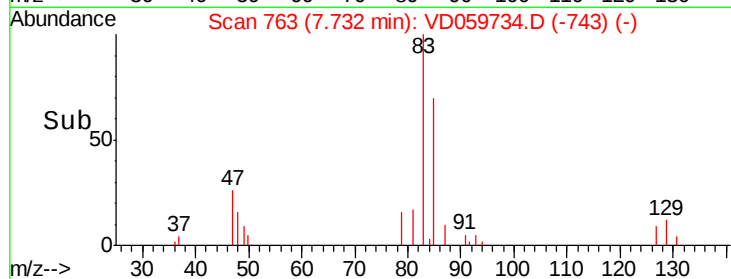
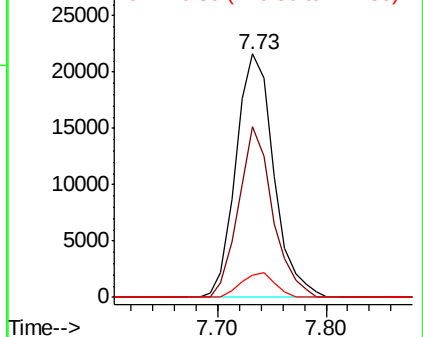
83 100

85 70.0 51.6 77.4

127 9.3 7.7 11.5



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): VDC



#48

Methyl methacrylate

Concen: 21.342 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

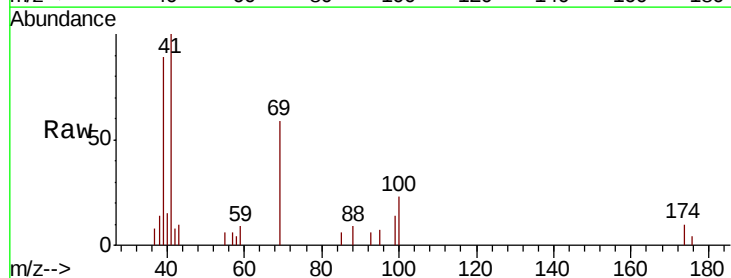
Tgt Ion: 41 Resp: 17892

Ion Ratio Lower Upper

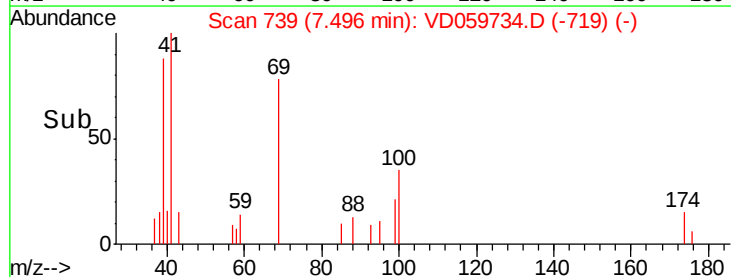
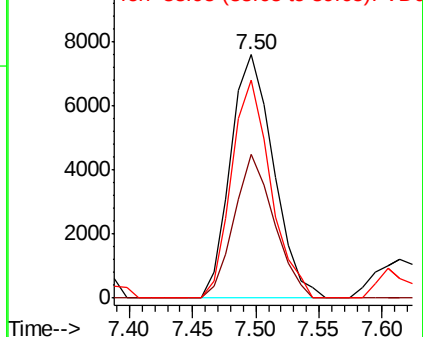
41 100

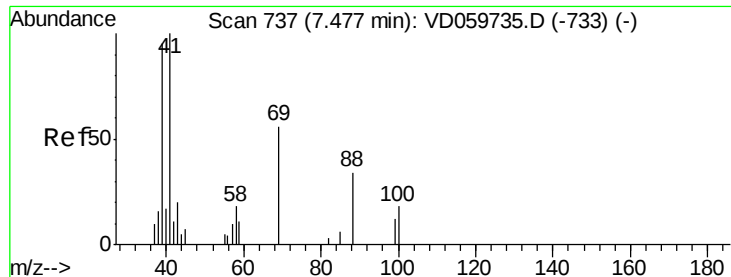
69 59.2 43.8 65.6

39 89.3 69.1 103.7



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: 315.599 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampled :

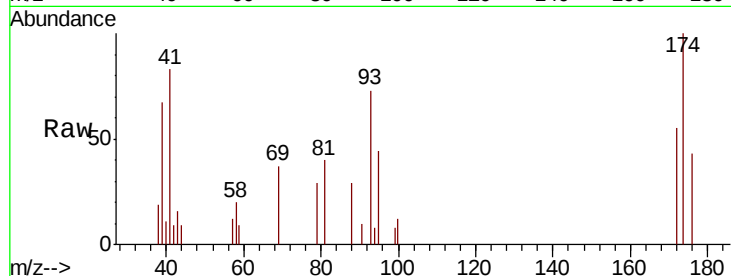
Tot Ion: 88 Resp: 2009

Ion Ratio Lower Upper

88 100

43 55.8 46.7 70.1

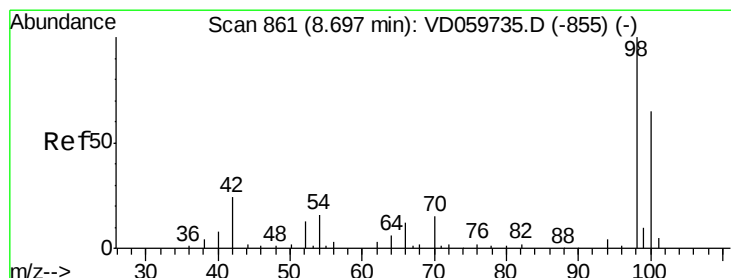
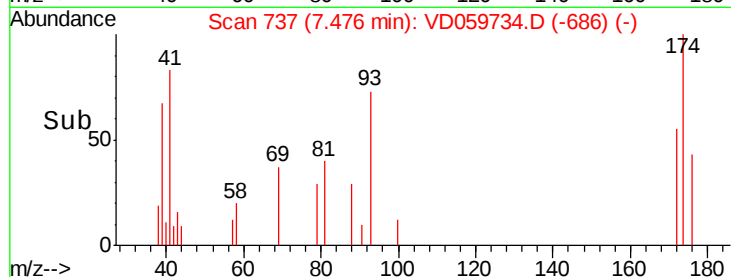
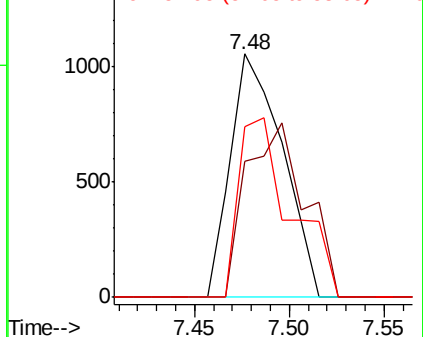
58 70.2 42.1 63.1#



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: 315.599 ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.00 min

Lab File: VD059734.D

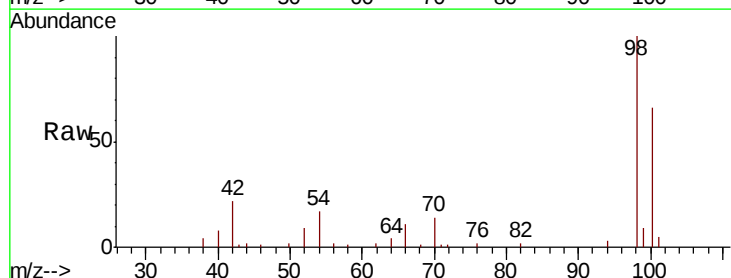
Acq: 10 Aug 2018 17:41

Tgt Ion: 98 Resp: 71064

Ion Ratio Lower Upper

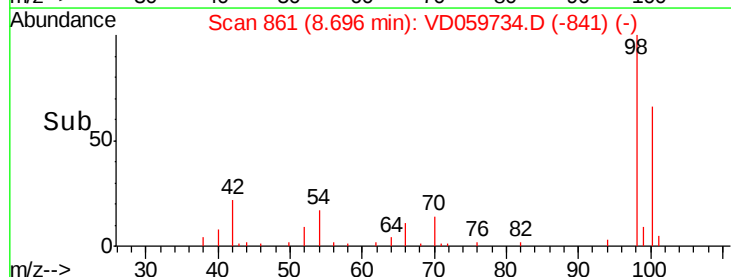
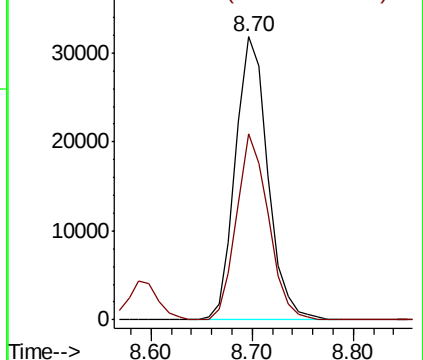
98 100

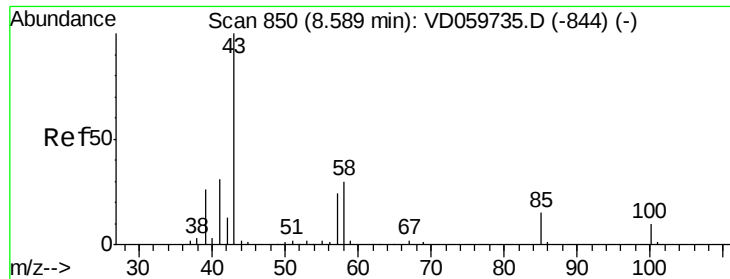
100 65.9 52.2 78.2



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: 87.236 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

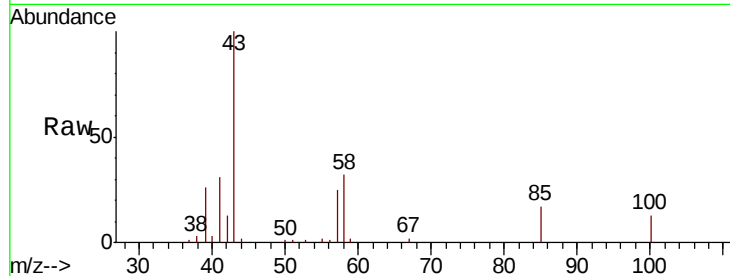
ClientSampleId :

Tot Ion: 43 Resp: 80181

Ion Ratio Lower Upper

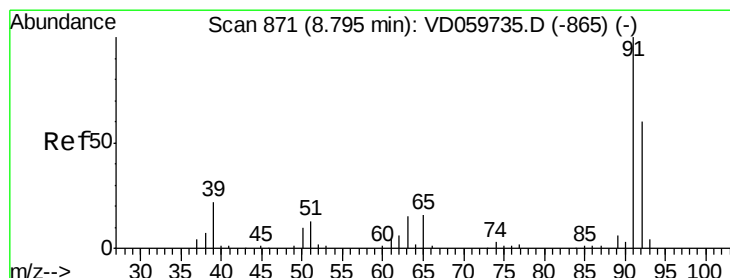
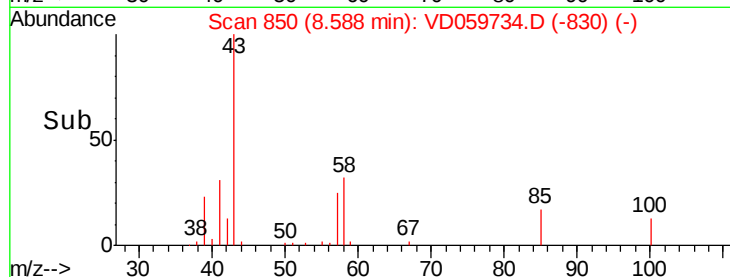
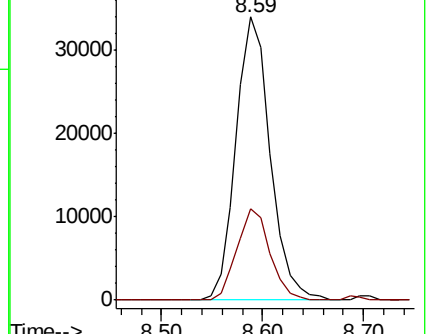
43 100

58 32.1 24.3 36.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 18.616 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059734.D

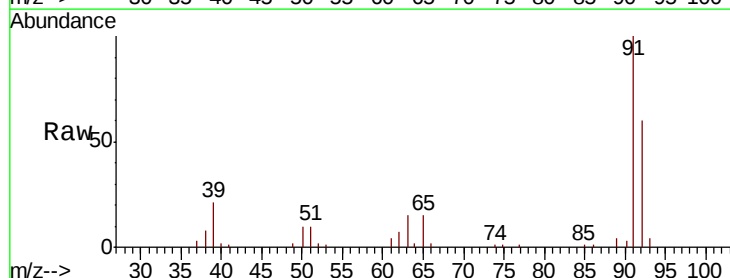
Acq: 10 Aug 2018 17:41

Tgt Ion: 92 Resp: 45222

Ion Ratio Lower Upper

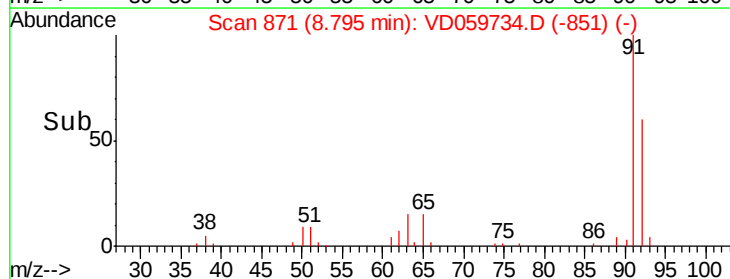
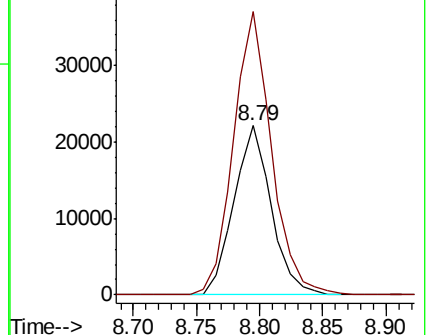
92 100

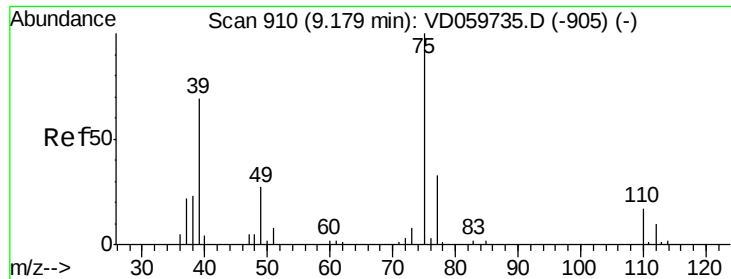
91 167.6 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

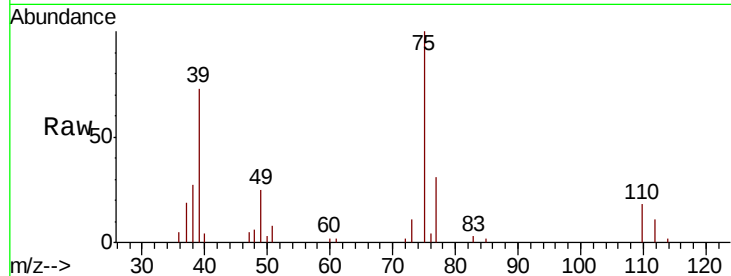




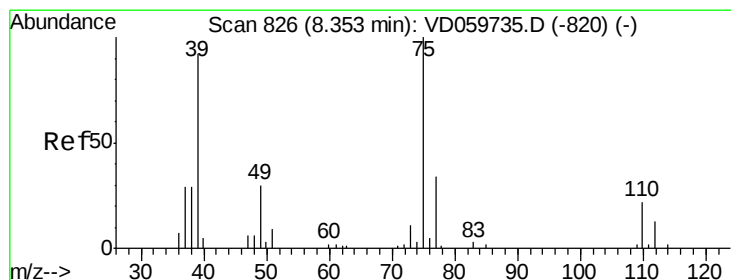
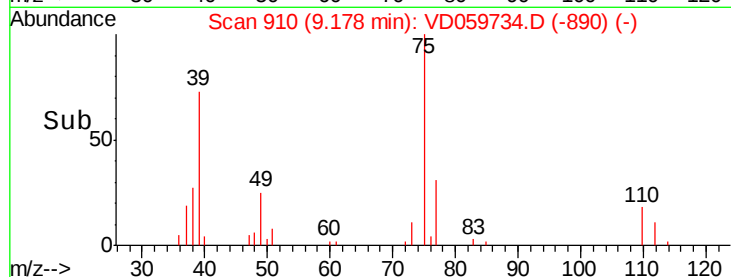
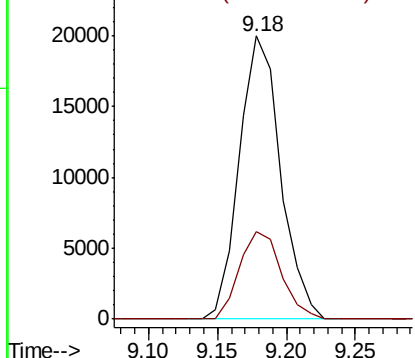
#53
 t-1,3-Dichloropropene
 Concen: 21.673 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 41682
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.2 39.2

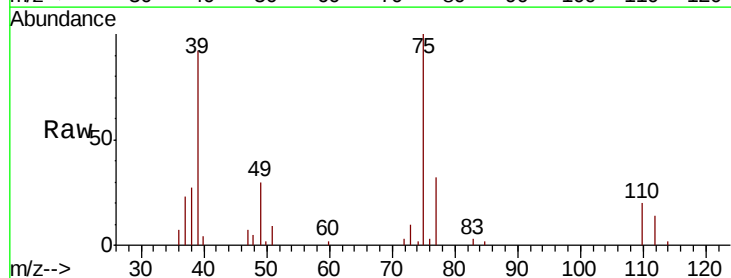


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

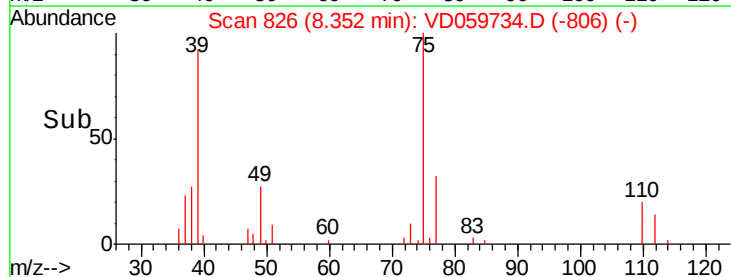
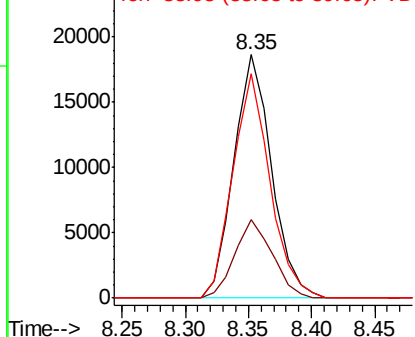


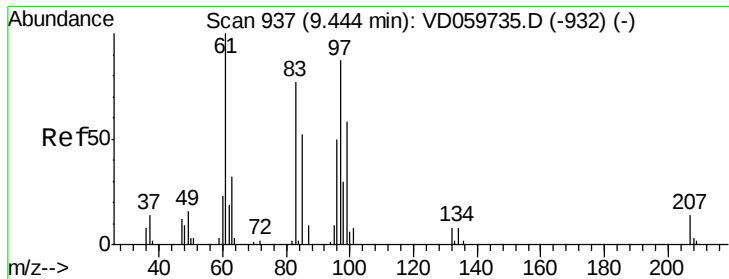
#54
 cis-1,3-Dichloropropene
 Concen: 19.818 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 75 Resp: 38614
 Ion Ratio Lower Upper
 75 100
 77 32.4 27.2 40.8
 39 92.1 73.8 110.8



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.827 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 18719

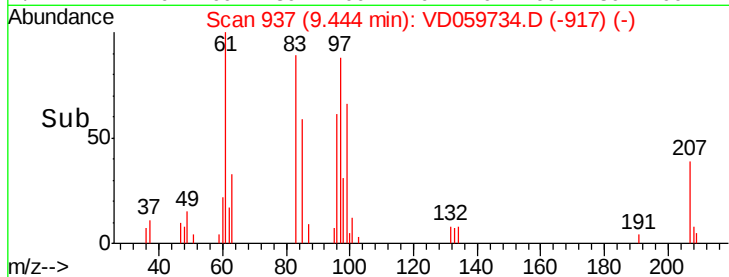
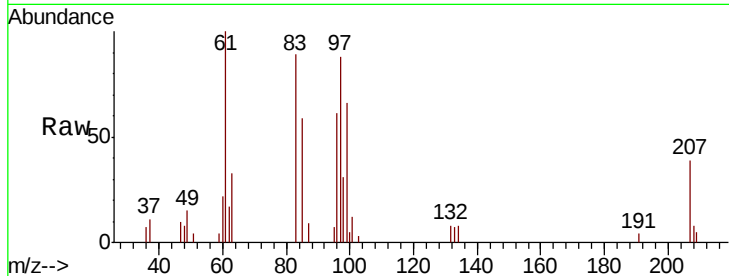
Ion	Ratio	Lower	Upper
97	100		
83	100.5	70.4	105.6
85	66.6	47.6	71.4
99	74.6	53.1	79.7

97 100

83 100.5 70.4 105.6

85 66.6 47.6 71.4

99 74.6 53.1 79.7

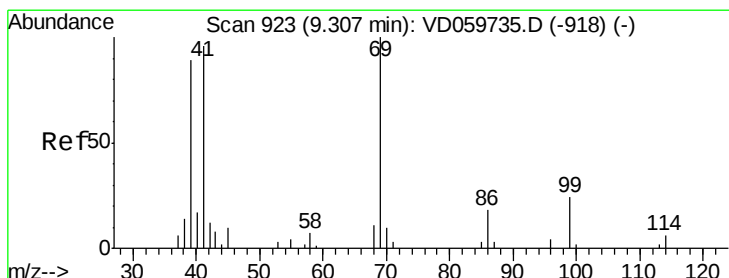
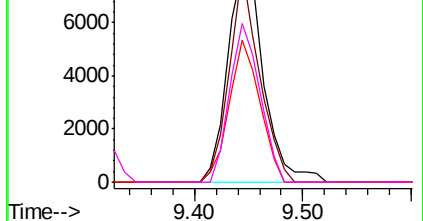


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.383 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

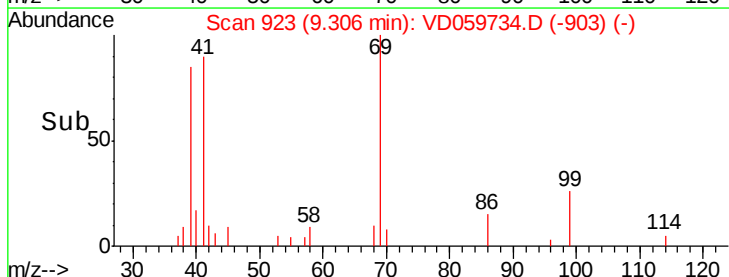
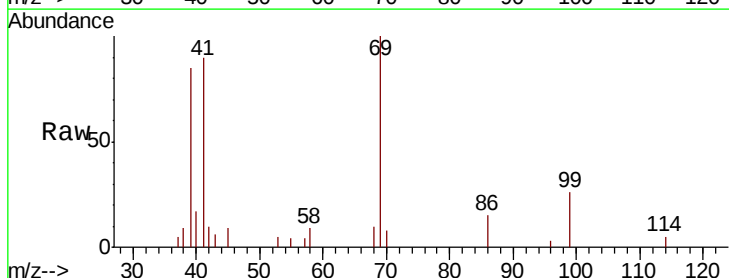
Tgt Ion: 69 Resp: 21042

Ion	Ratio	Lower	Upper
69	100		
41	89.8	76.7	115.1
39	84.6	71.0	106.4

69 100

41 89.8 76.7 115.1

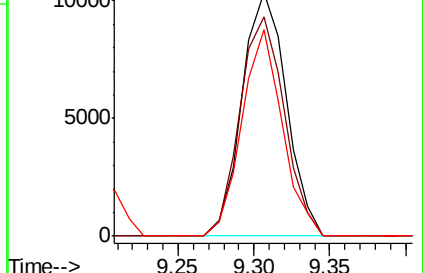
39 84.6 71.0 106.4

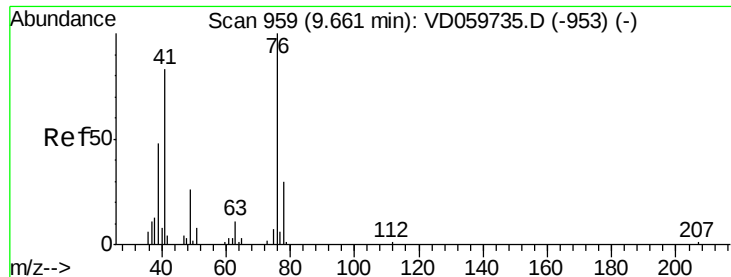


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.654 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

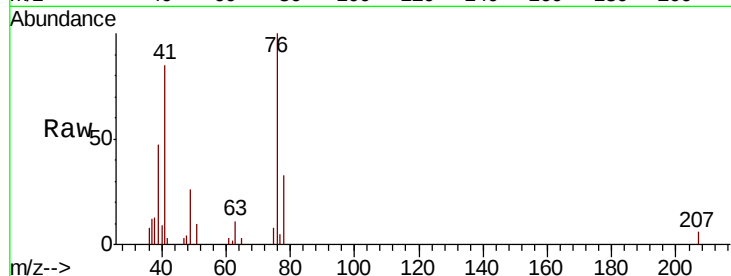
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 30372

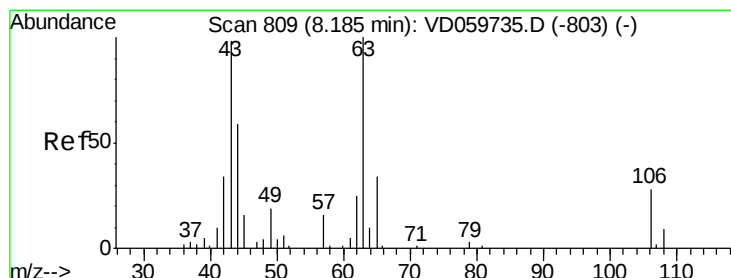
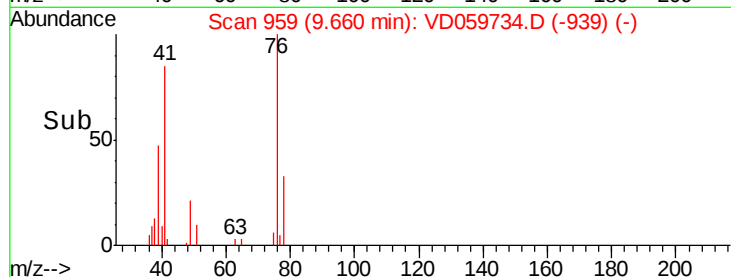
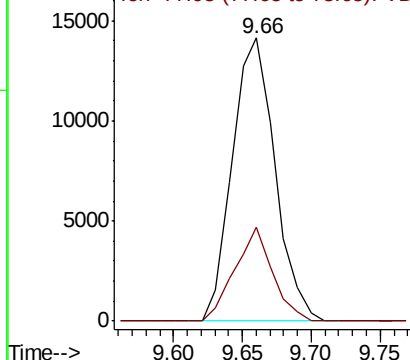
Ion Ratio Lower Upper

76 100

78 33.2 23.8 35.8



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: 101.104 ug/l

RT: 8.18 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059734.D

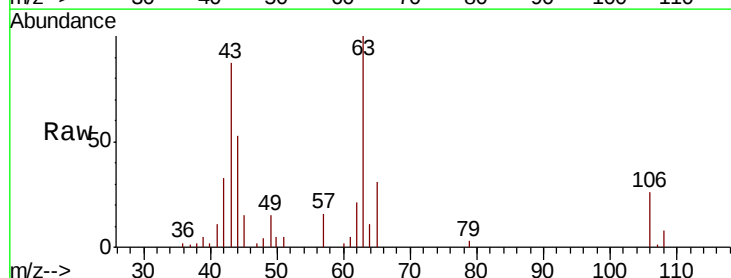
Acq: 10 Aug 2018 17:41

Tgt Ion: 63 Resp: 50225

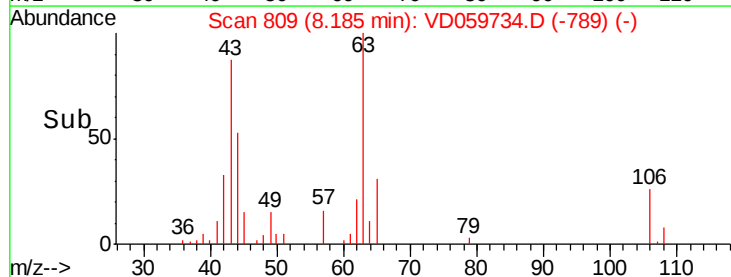
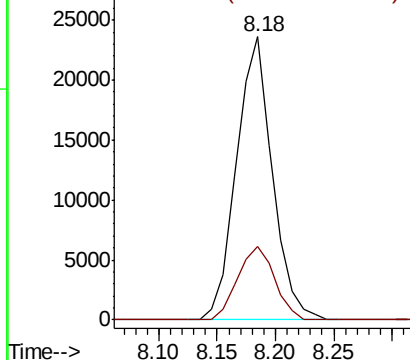
Ion Ratio Lower Upper

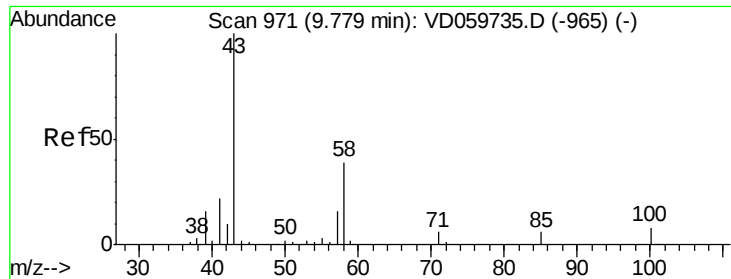
63 100

106 26.0 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

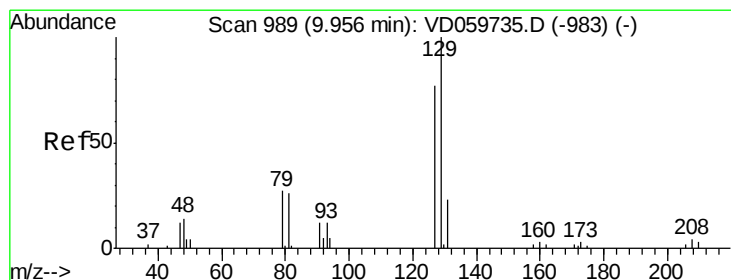
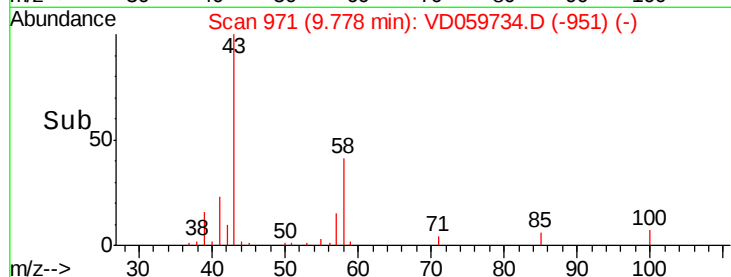
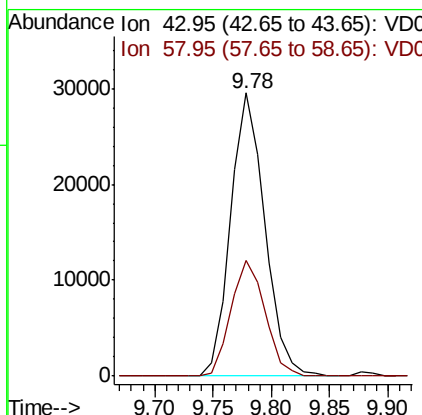
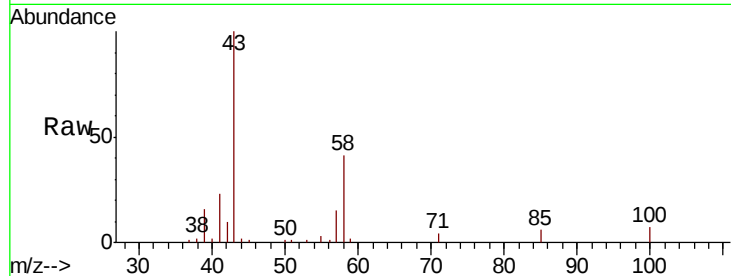




#59
2-Hexanone
Concen: 86.606 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

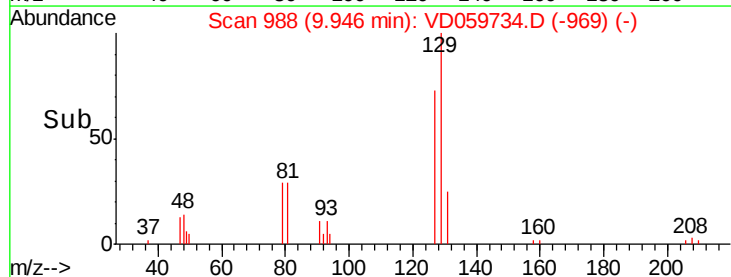
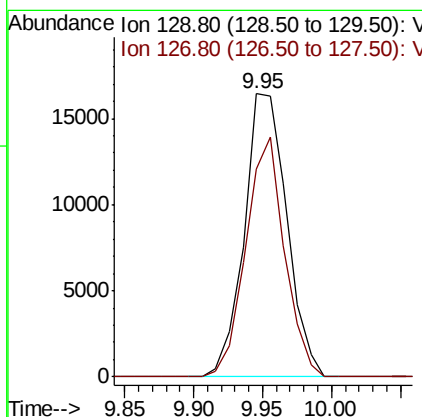
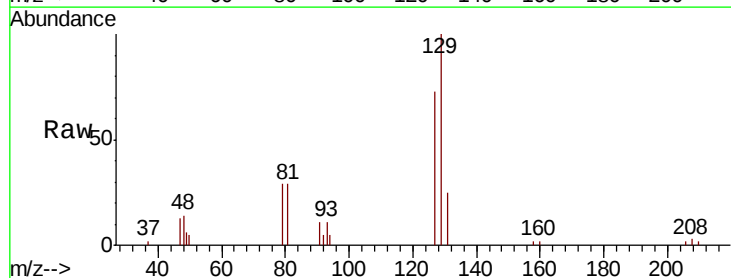
Instrument :
MSVOA_D
ClientSampleId :

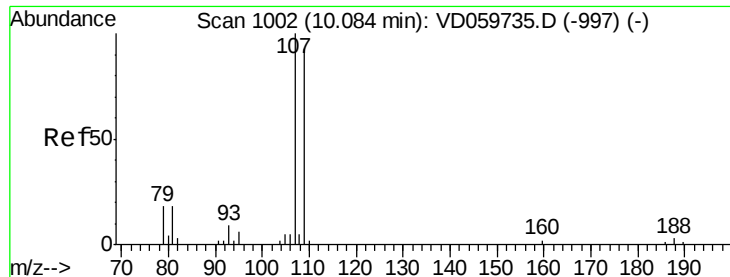
Tot Ion: 43 Resp: 59835
Ion Ratio Lower Upper
43 100
58 40.8 19.8 59.3



#60
Dibromochloromethane
Concen: 23.121 ug/l
RT: 9.95 min Scan# 988
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:129 Resp: 35535
Ion Ratio Lower Upper
129 100
127 73.4 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.956 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

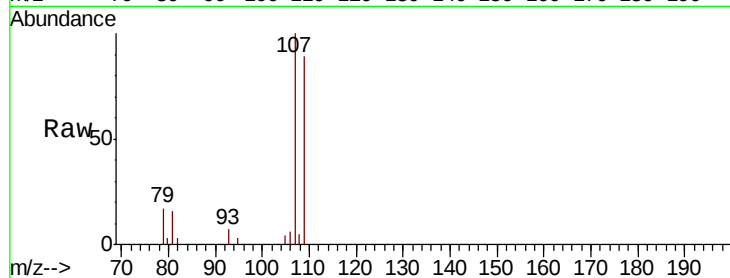
ClientSampled :

Tot Ion:107 Resp: 23954

Ion Ratio Lower Upper

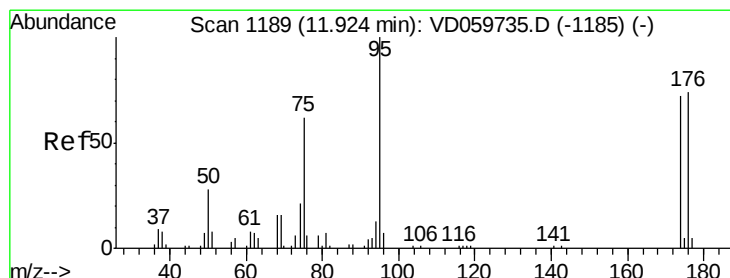
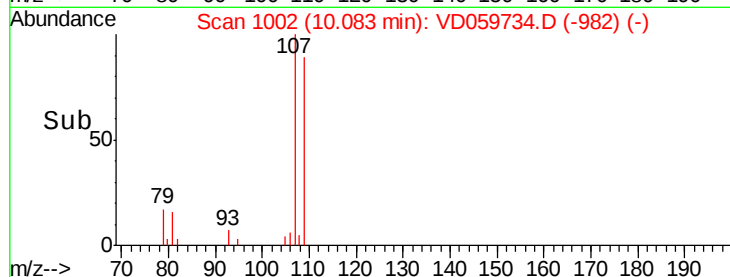
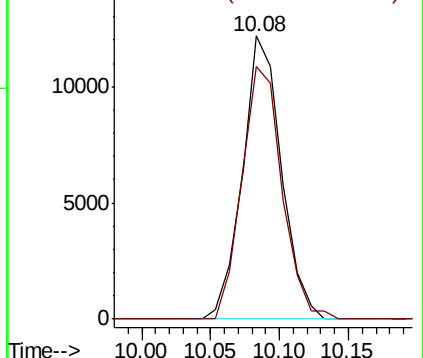
107 100

109 89.3 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.956 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

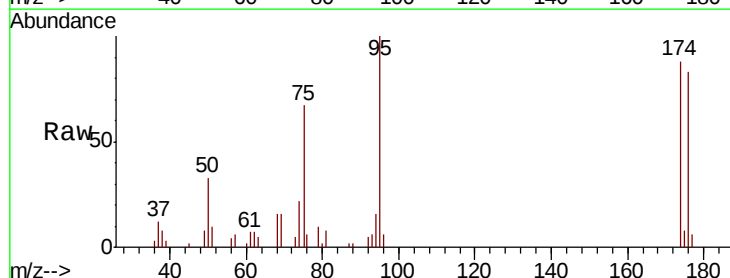
Tgt Ion: 95 Resp: 35457

Ion Ratio Lower Upper

95 100

174 88.3 0.0 143.2

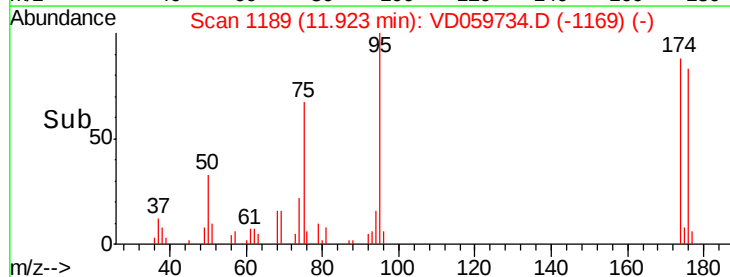
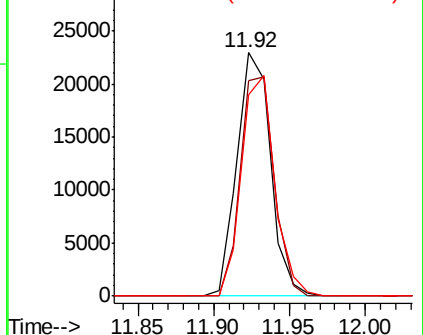
176 82.8 0.0 147.2

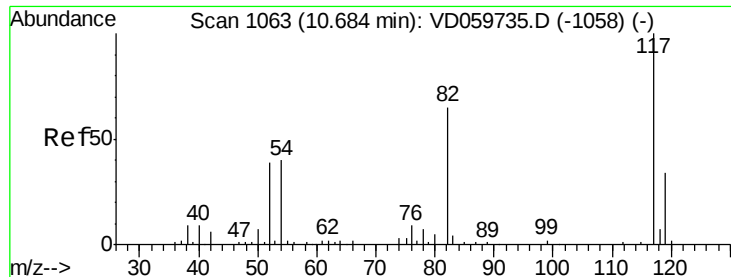


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

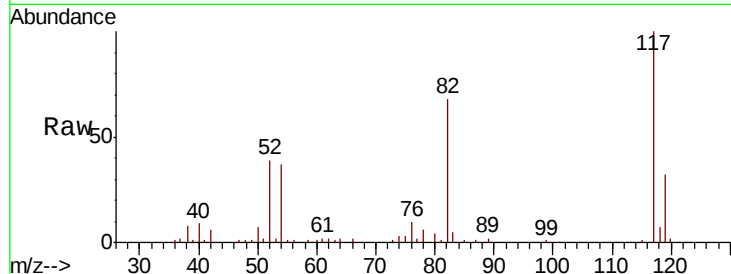




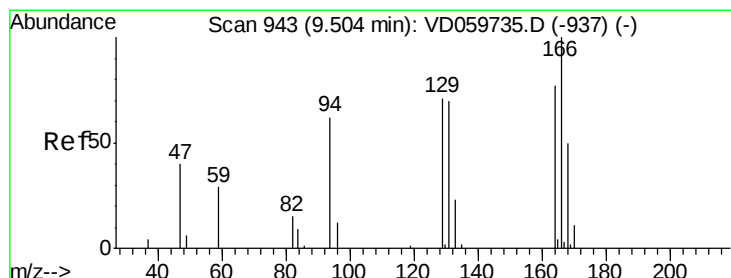
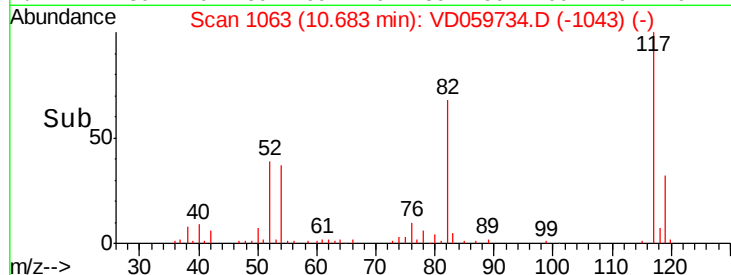
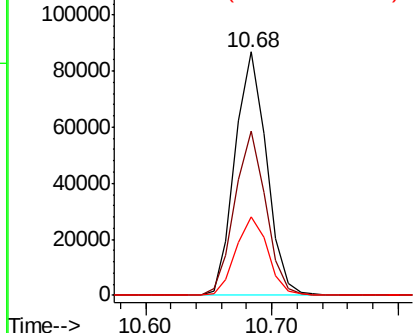
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 150212
Ion Ratio Lower Upper
117 100
82 67.7 51.9 77.9
119 32.1 27.4 41.0

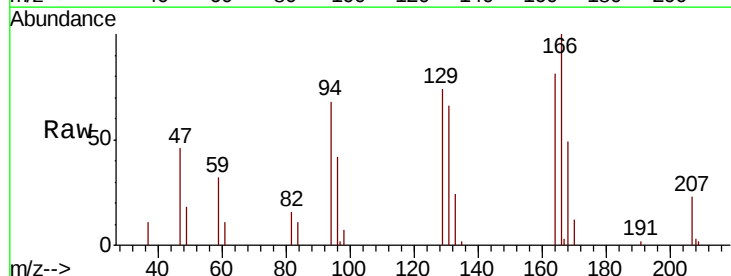


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

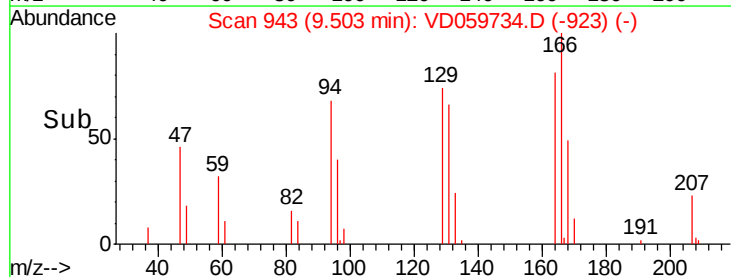
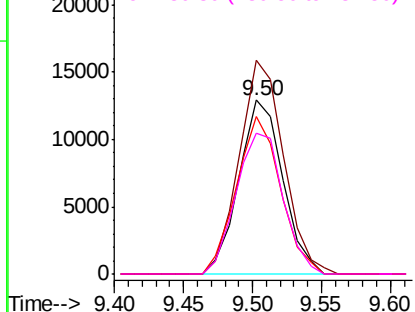


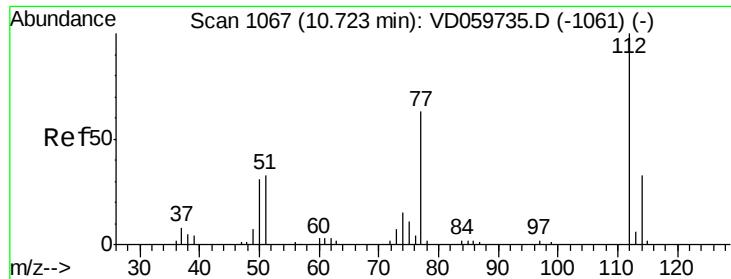
#64
Tetrachloroethene
Concen: 20.010 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:164 Resp: 28572
Ion Ratio Lower Upper
164 100
166 122.7 103.5 155.3
129 90.8 73.5 110.3
131 81.1 72.3 108.5



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

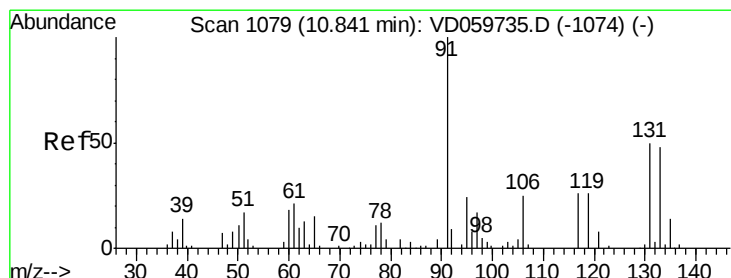
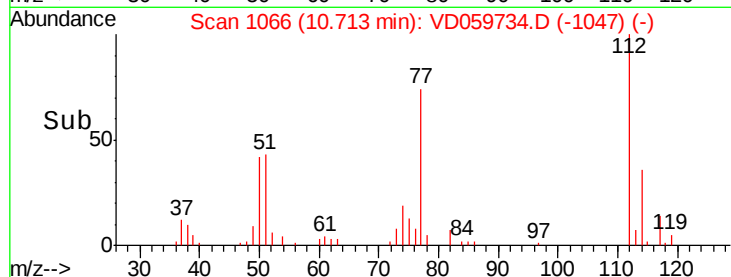
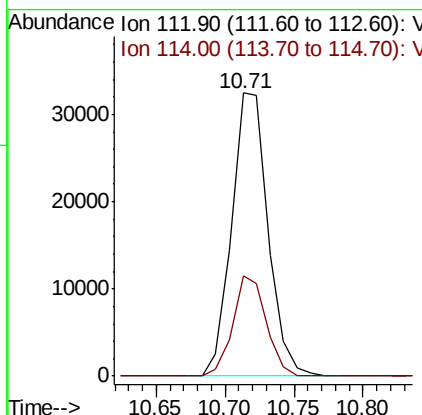
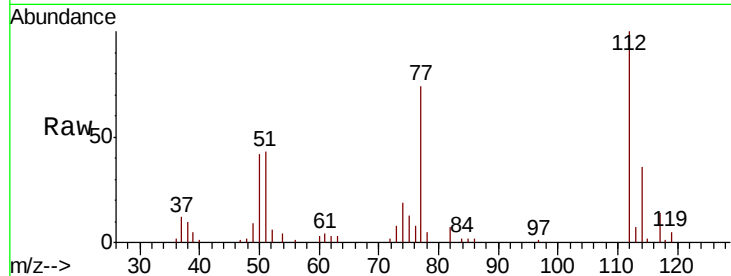




#65
Chlorobenzene
Concen: 18.842 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

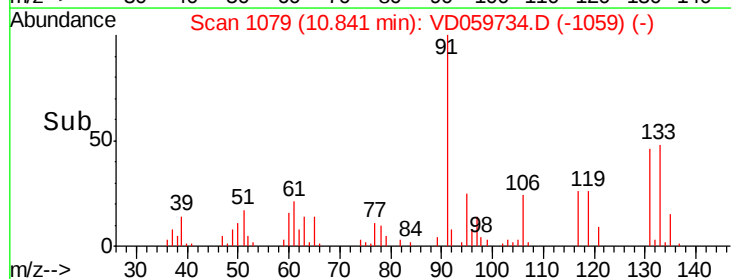
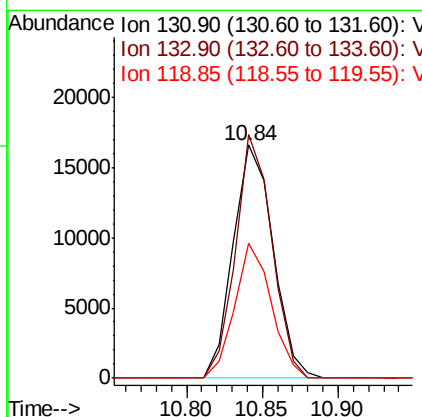
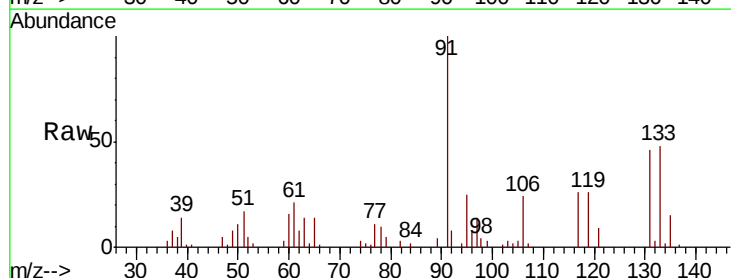
Instrument :
MSVOA_D
ClientSampled :

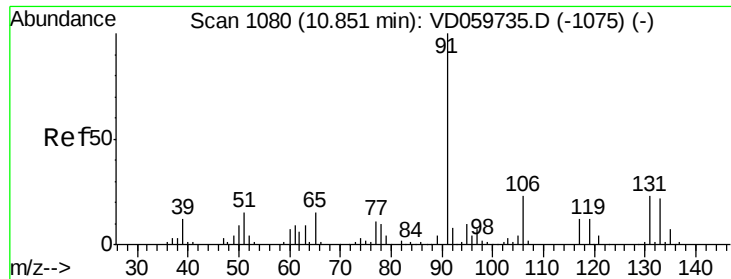
Tot Ion:112 Resp: 59536
Ion Ratio Lower Upper
112 100
114 35.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.325 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:131 Resp: 30416
Ion Ratio Lower Upper
131 100
133 104.5 48.1 144.3
119 57.7 26.2 78.5

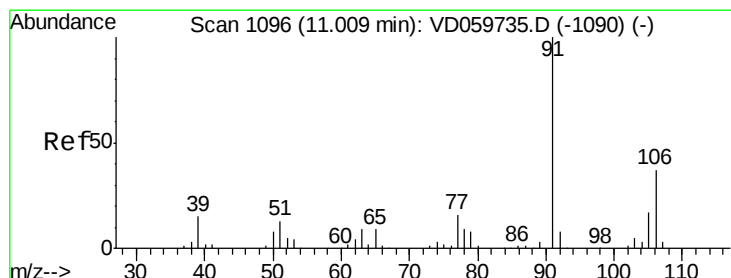
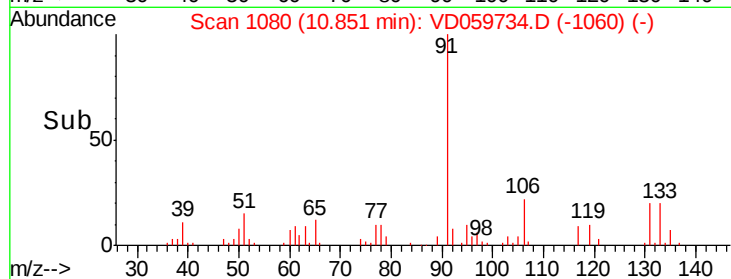
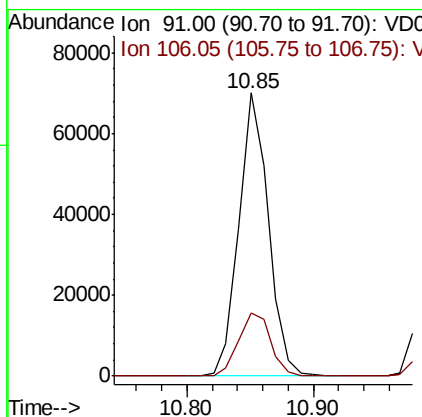
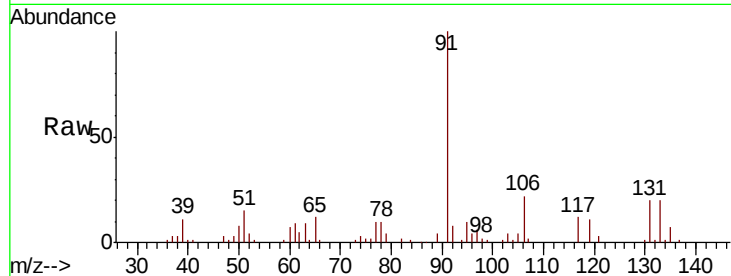




#67
Ethyl Benzene
Concen: 19.767 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

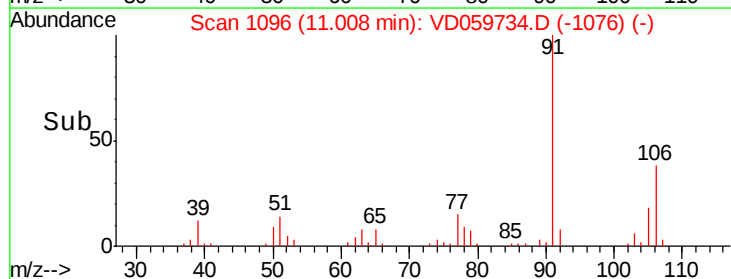
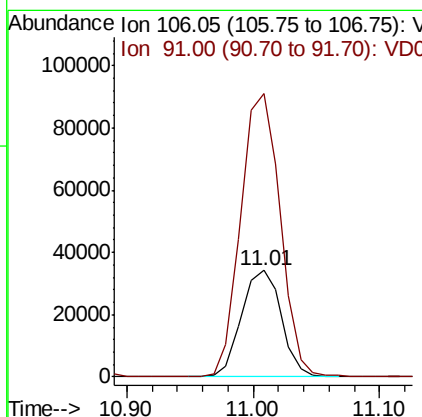
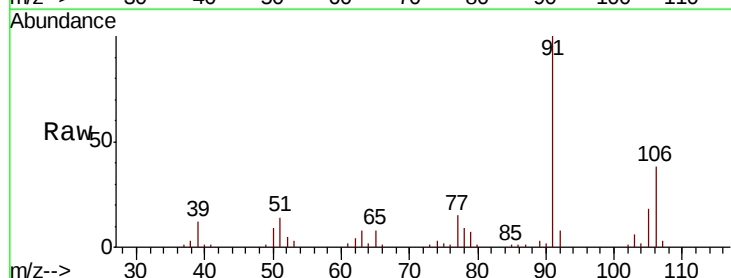
Instrument :
MSVOA_D
ClientSampled :

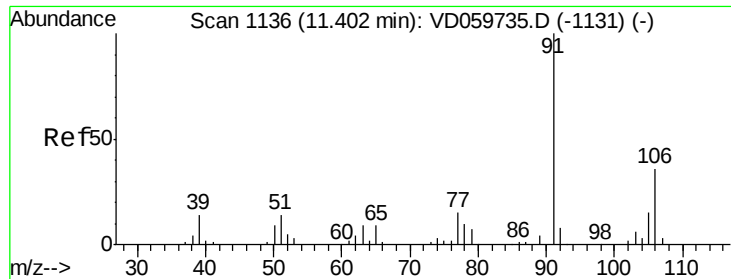
Tot Ion: 91 Resp: 113118
Ion Ratio Lower Upper
91 100
106 22.2 18.8 28.2



#68
m/p-Xylenes
Concen: 41.153 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 106 Resp: 74594
Ion Ratio Lower Upper
106 100
91 266.4 213.8 320.8

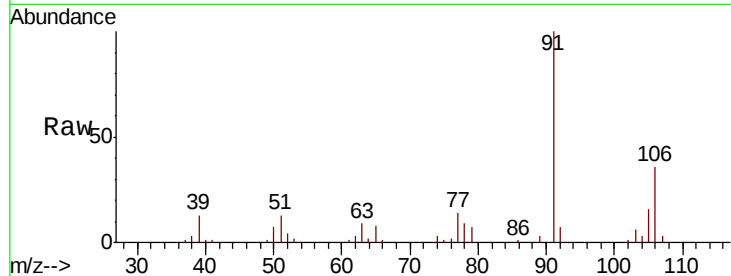




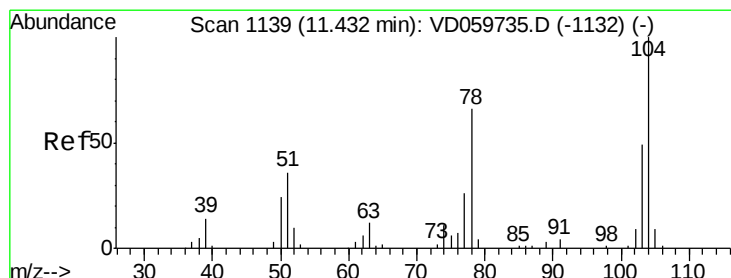
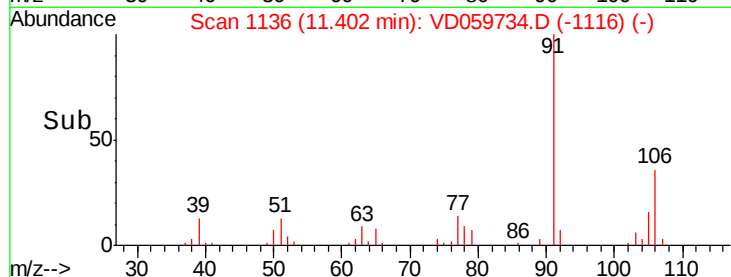
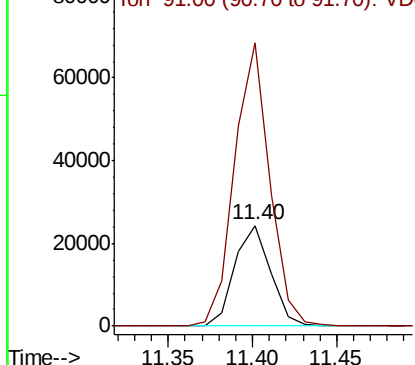
#69
o-Xylene
Concen: 20.390 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 36107
Ion Ratio Lower Upper
106 100
91 280.4 139.8 419.4

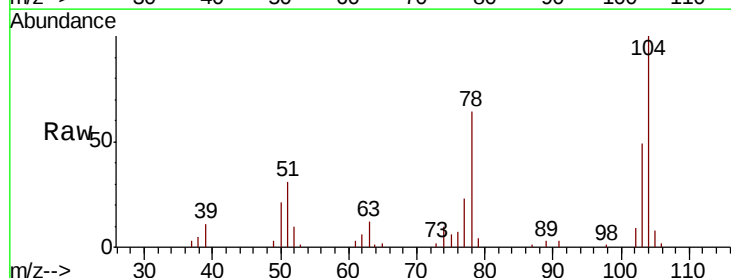


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

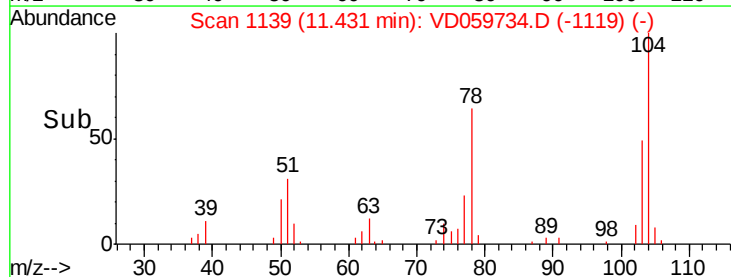
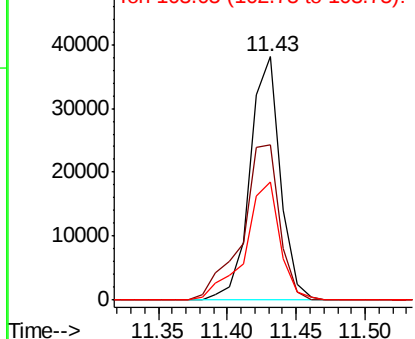


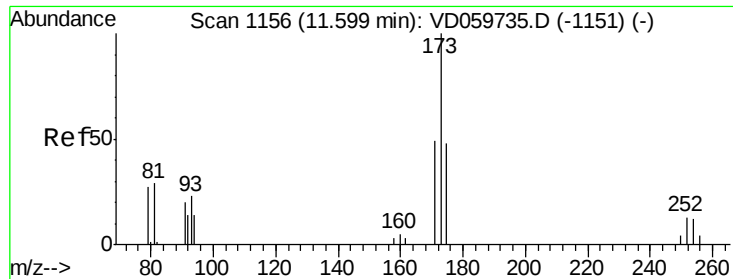
#70
Styrene
Concen: 19.794 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:104 Resp: 58611
Ion Ratio Lower Upper
104 100
78 64.0 52.8 79.2
103 48.8 39.1 58.7



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 19.487 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

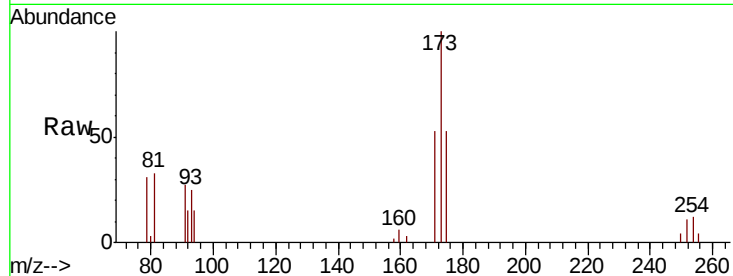
Tot Ion:173 Resp: 20960

Ion	Ratio	Lower	Upper
173	100		
175	53.0	24.1	72.2
254	11.6	9.3	13.9

173 100

175 53.0 24.1 72.2

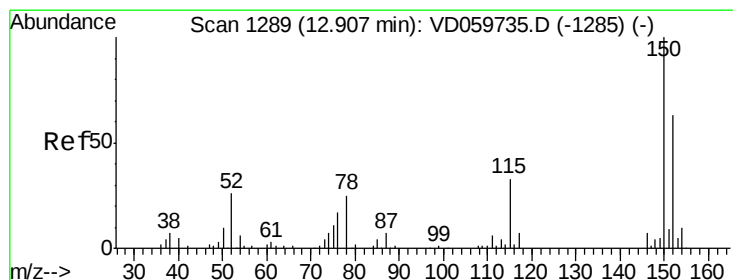
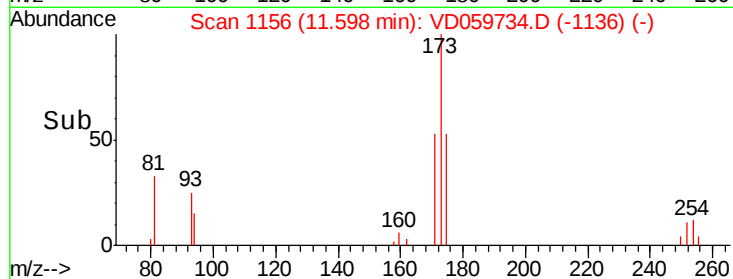
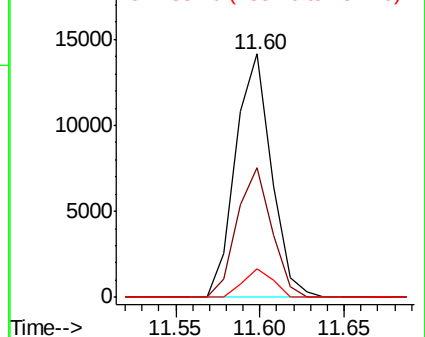
254 11.6 9.3 13.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

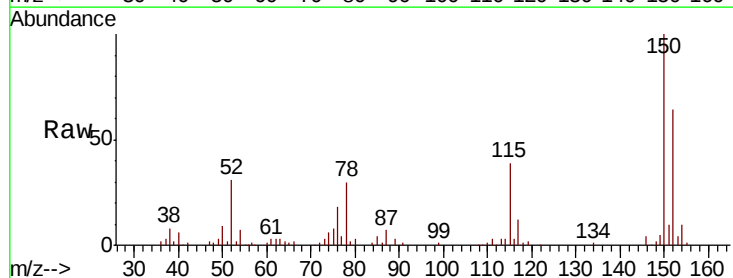
Tgt Ion:152 Resp: 85241

Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.8	89.3
150	155.8	0.0	320.4

152 100

115 60.7 29.8 89.3

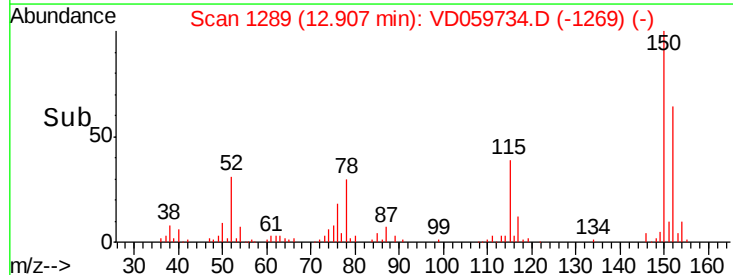
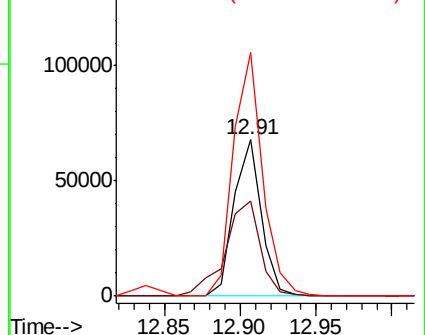
150 155.8 0.0 320.4

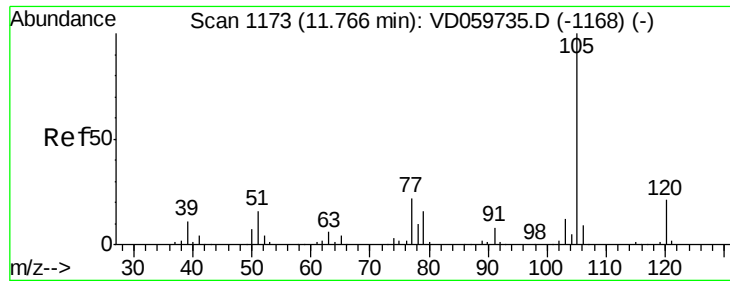


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.436 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

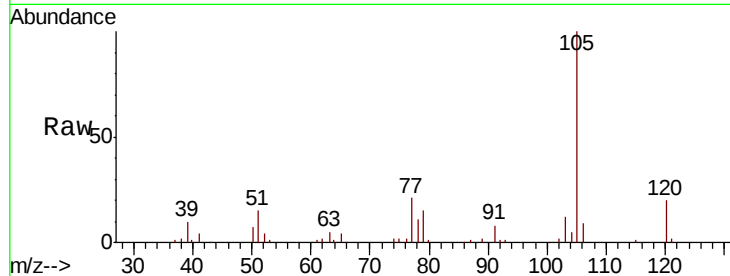
ClientSampleId :

Tot Ion:105 Resp: 115524

Ion Ratio Lower Upper

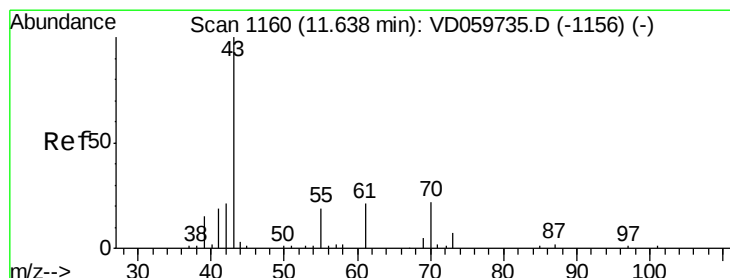
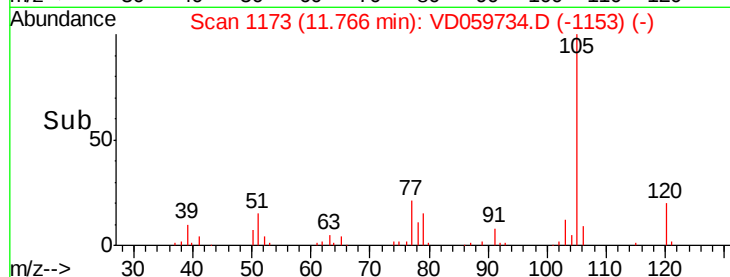
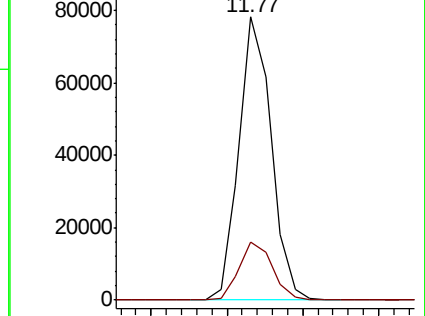
105 100

120 20.5 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.608 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Tgt Ion: 43 Resp: 31413

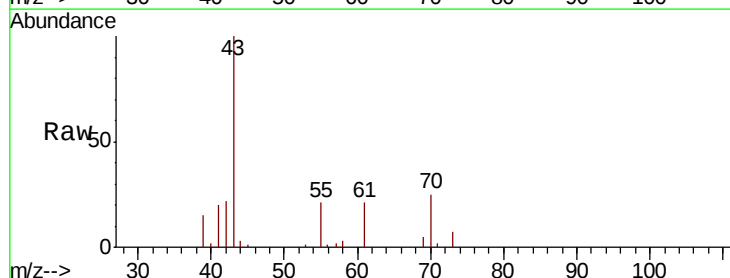
Ion Ratio Lower Upper

43 100

70 24.7 18.0 27.0

55 20.6 14.8 22.2

61 21.1 17.1 25.7

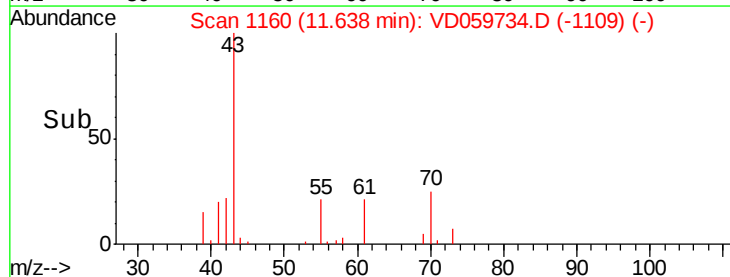
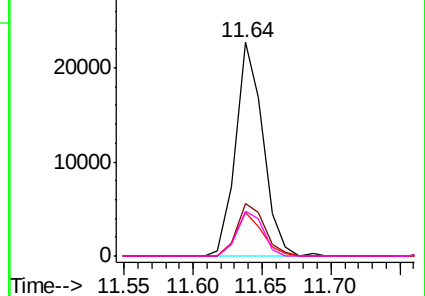


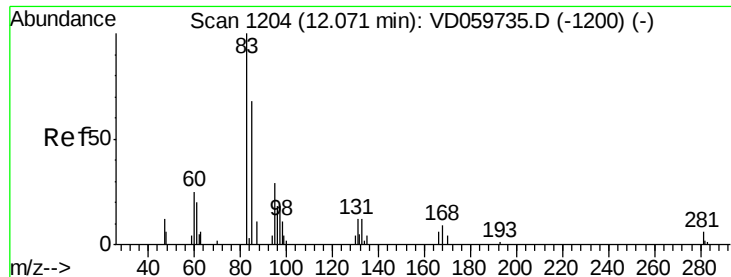
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.200 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

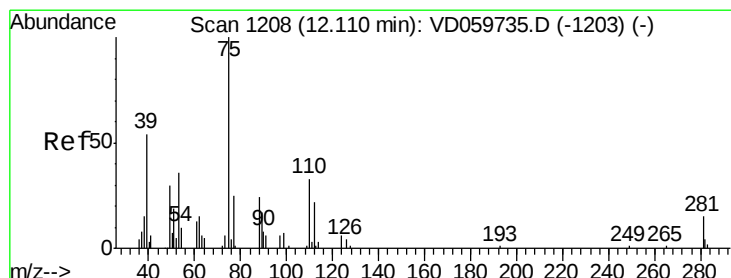
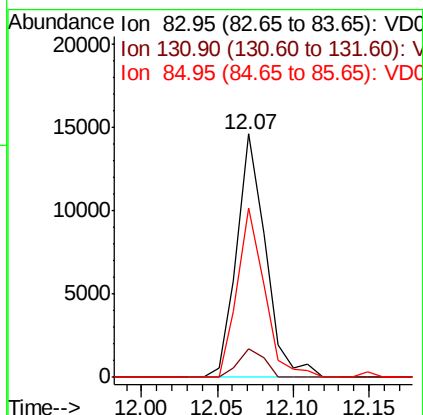
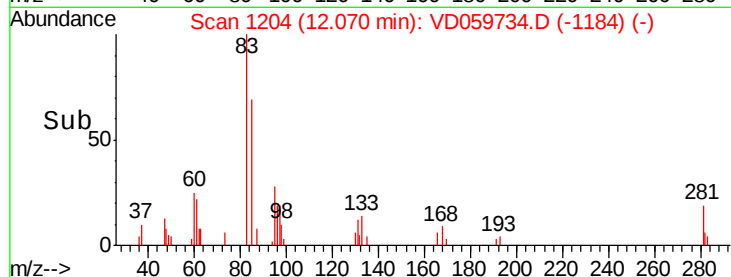
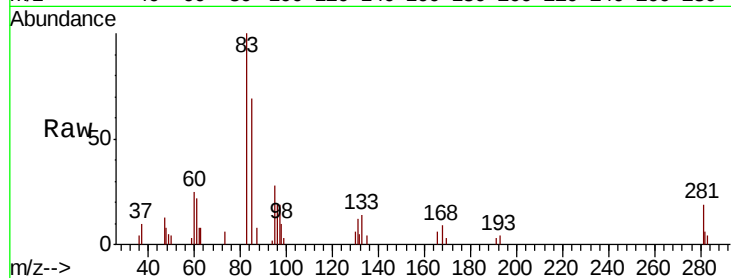
Tot Ion: 83 Resp: 19390

Ion Ratio Lower Upper

83 100

131 11.9 6.3 19.1

85 69.4 34.2 102.5



#76

1,2,3-Trichloropropane

Concen: 19.413 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059734.D

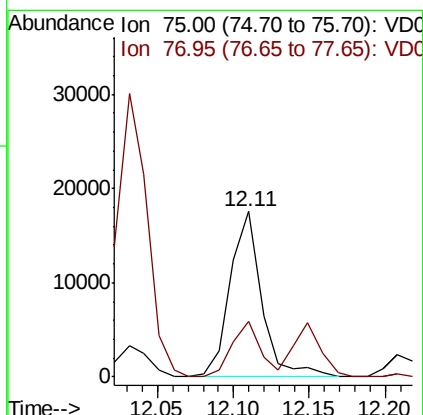
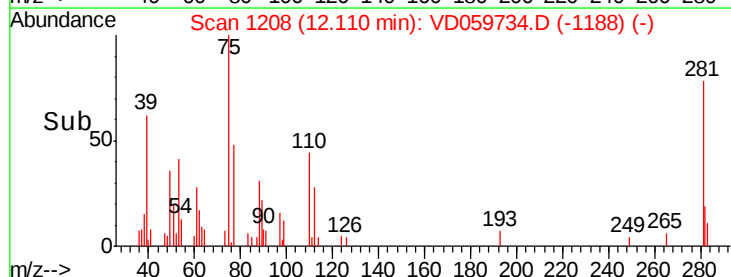
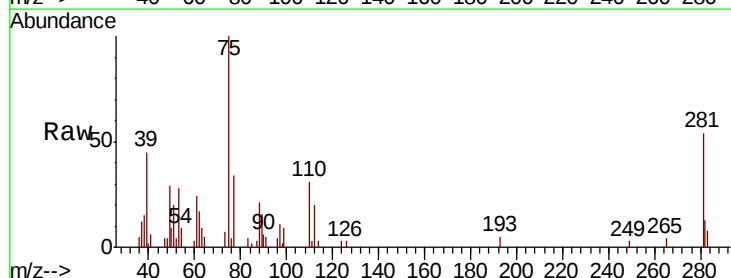
Acq: 10 Aug 2018 17:41

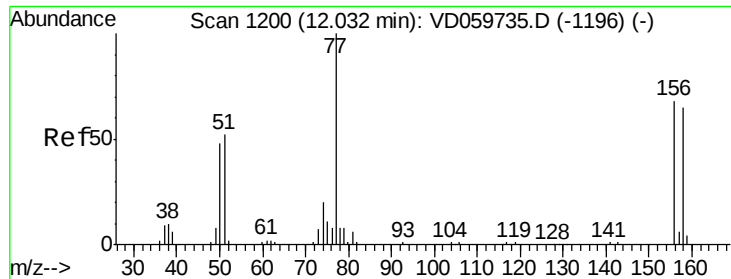
Tgt Ion: 75 Resp: 25446

Ion Ratio Lower Upper

75 100

77 33.7 16.0 48.0





#77

Bromobenzene

Concen: 19.192 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

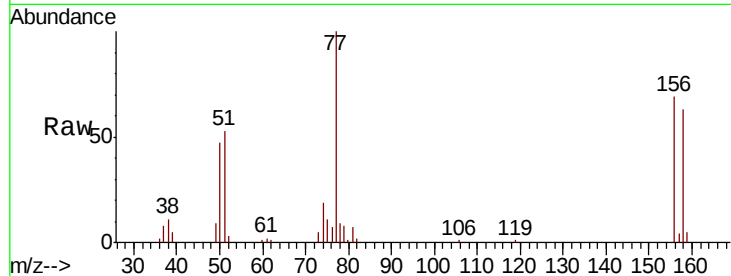
Tot Ion:156 Resp: 31706

Ion Ratio Lower Upper

156 100

77 145.9 73.3 219.8

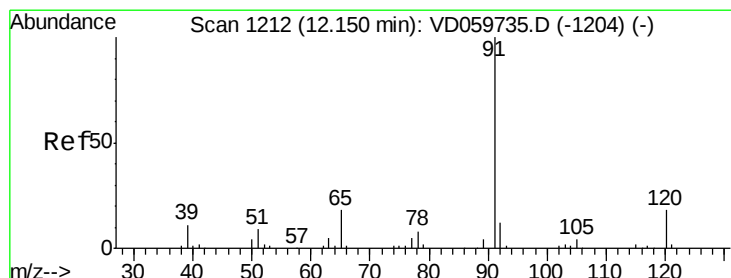
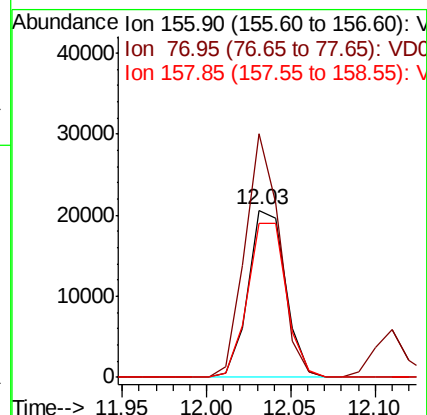
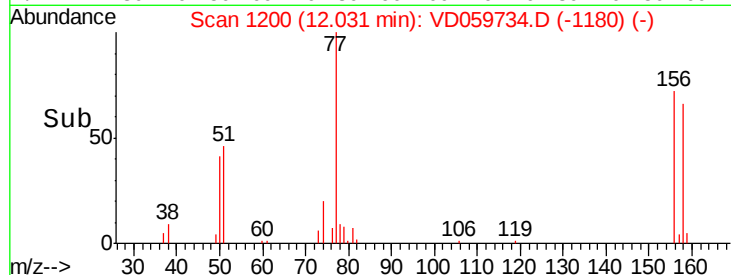
158 91.9 47.5 142.5



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: 20.687 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059734.D

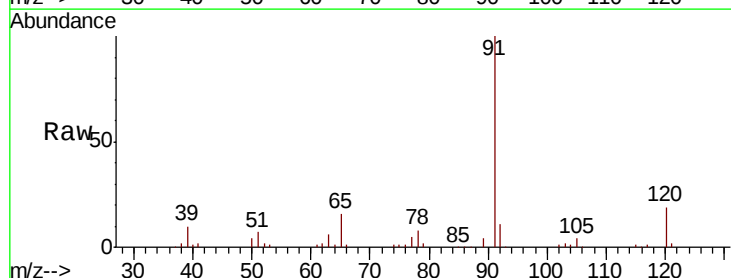
Acq: 10 Aug 2018 17:41

Tgt Ion: 91 Resp: 144744

Ion Ratio Lower Upper

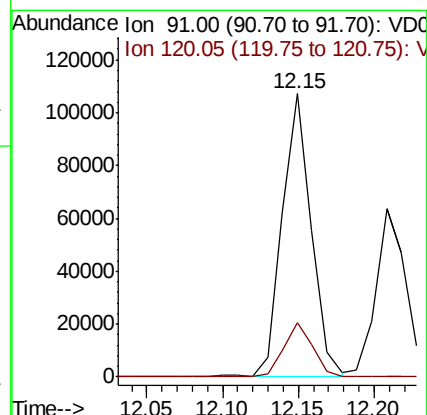
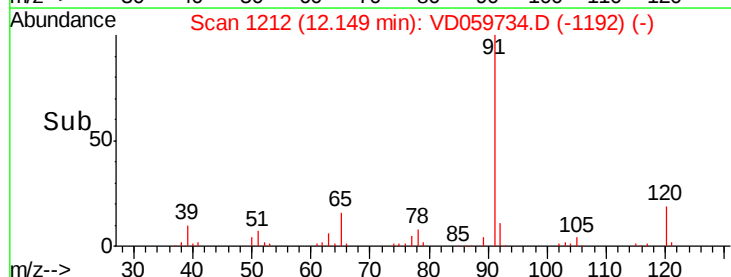
91 100

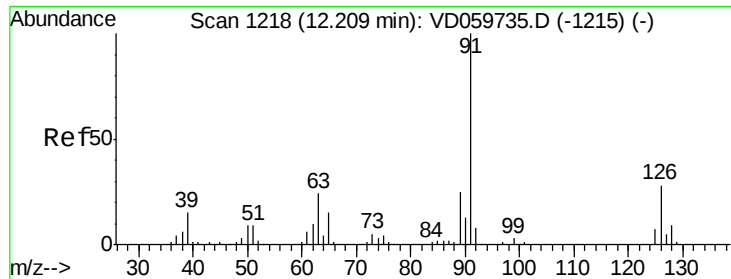
120 19.2 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

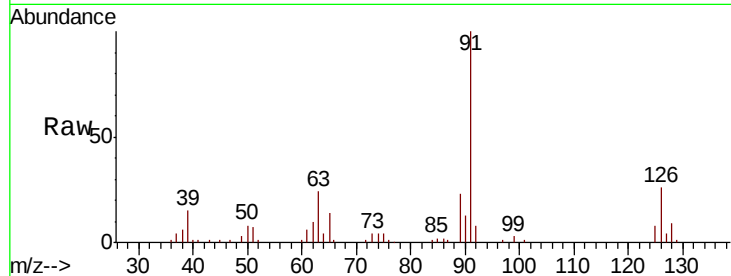




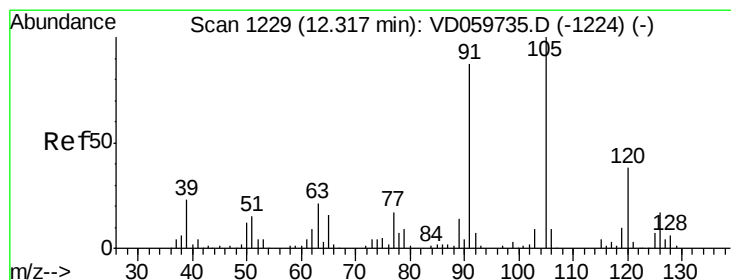
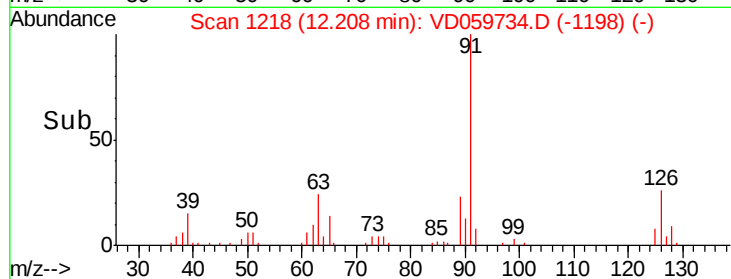
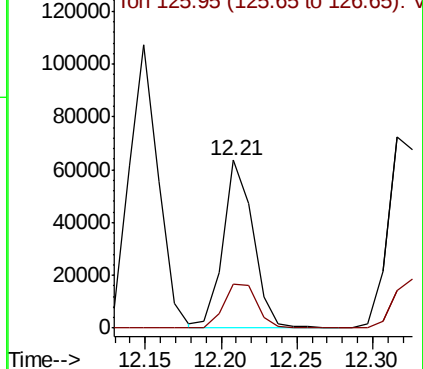
#79
 2-Chlorotoluene
 Concen: 20.776 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 88154
 Ion Ratio Lower Upper
 91 100
 126 26.3 13.3 39.9

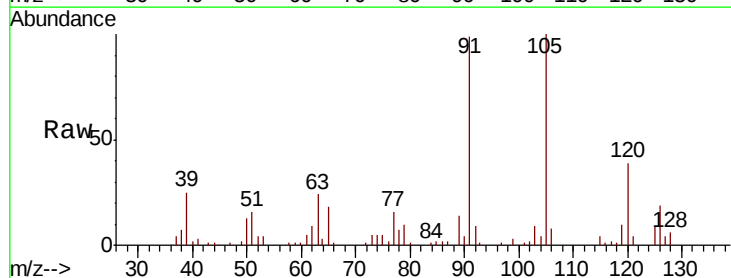


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

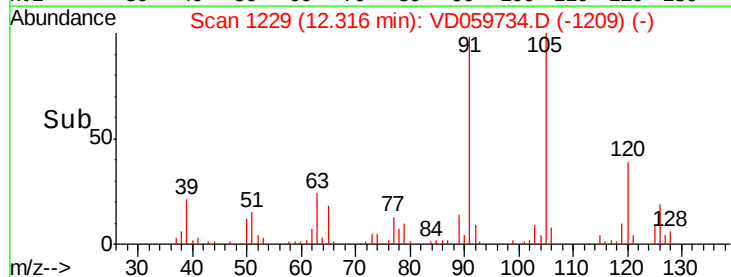
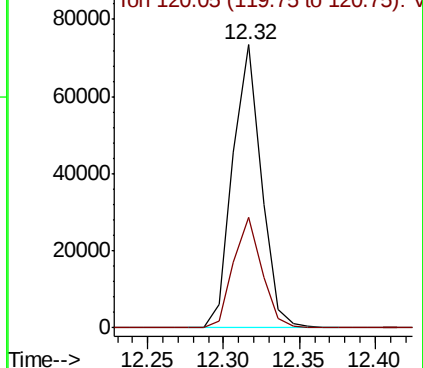


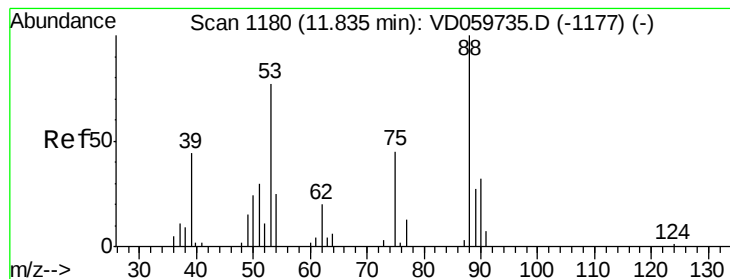
#80
 1,3,5-Trimethylbenzene
 Concen: 20.414 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 105 Resp: 96575
 Ion Ratio Lower Upper
 105 100
 120 39.3 19.2 57.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.657 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

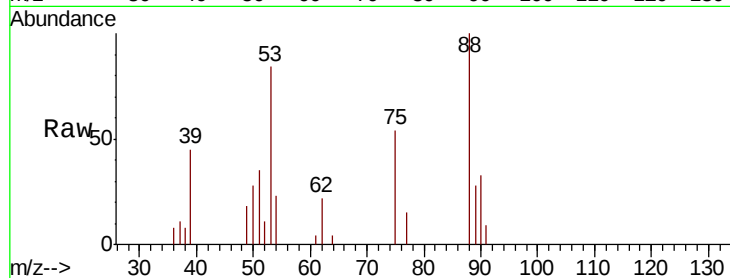
Tot Ion: 75 Resp: 5448

Ion Ratio Lower Upper

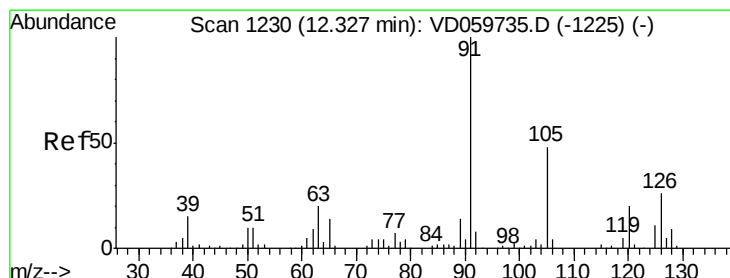
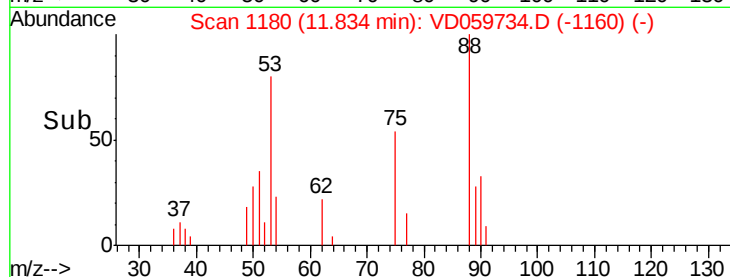
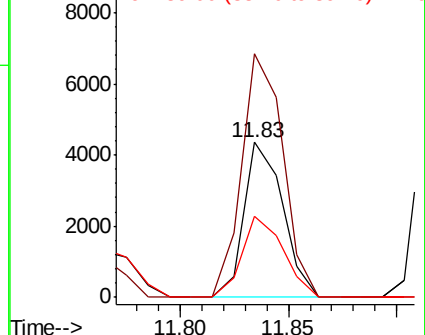
75 100

53 157.1 137.5 206.3

89 52.1 48.3 72.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 21.927 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD059734.D

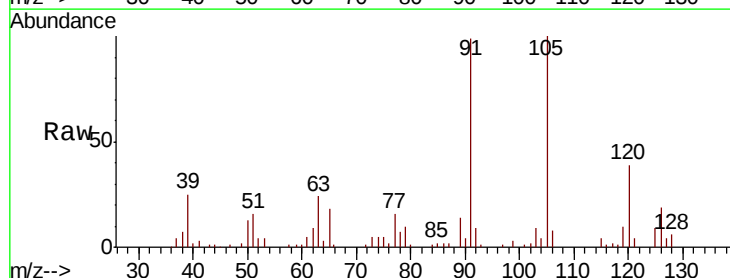
Acq: 10 Aug 2018 17:41

Tgt Ion: 91 Resp: 109290

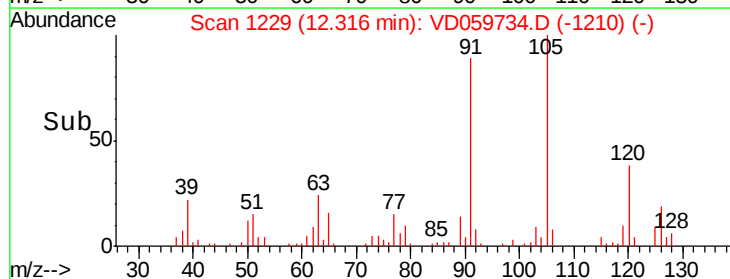
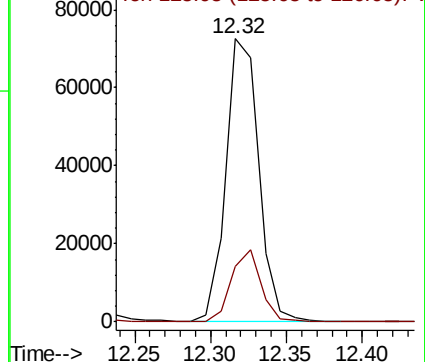
Ion Ratio Lower Upper

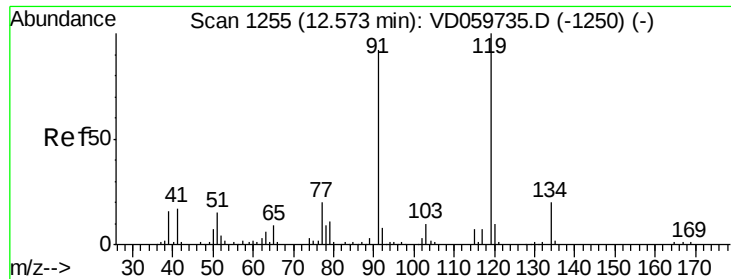
91 100

126 19.6 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 20.381 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

ClientSampleId :

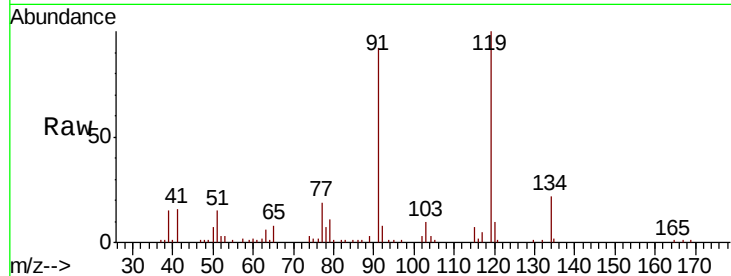
Tot Ion:119 Resp: 107215

Ion Ratio Lower Upper

119 100

91 91.6 46.1 138.2

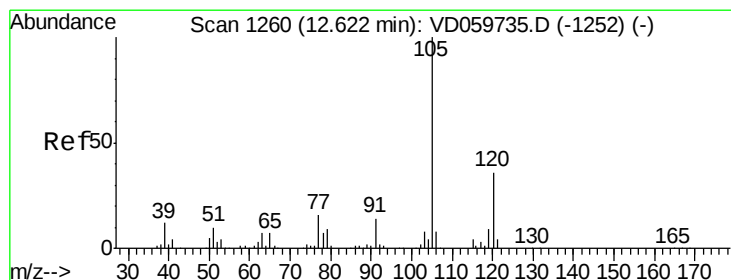
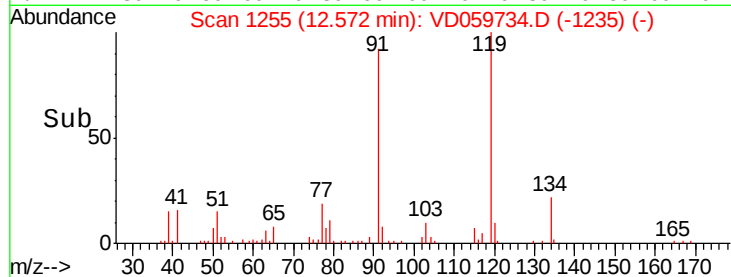
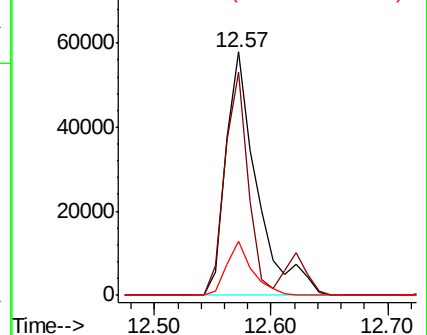
134 22.1 9.9 29.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.672 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD059734.D

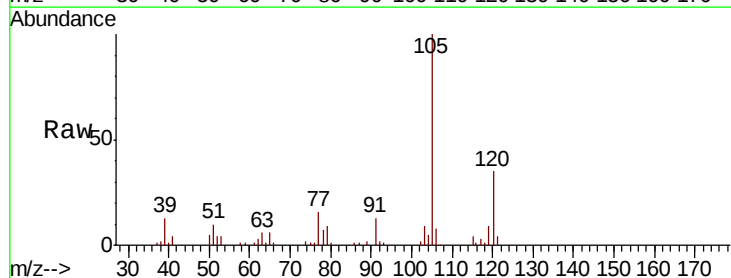
Acq: 10 Aug 2018 17:41

Tgt Ion:105 Resp: 98813

Ion Ratio Lower Upper

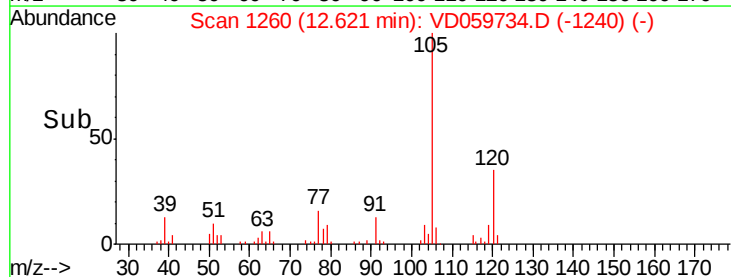
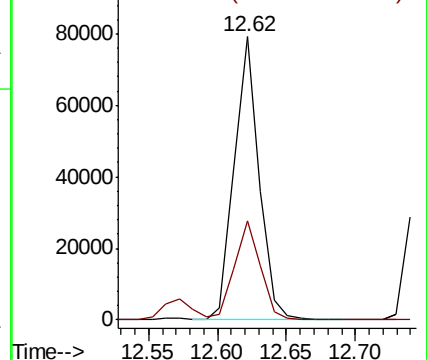
105 100

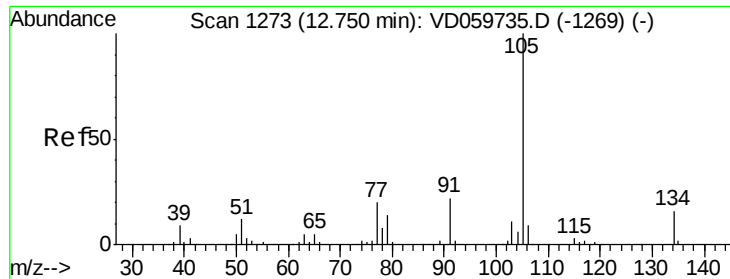
120 34.9 17.9 53.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.958 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

Instrument :

MSVOA_D

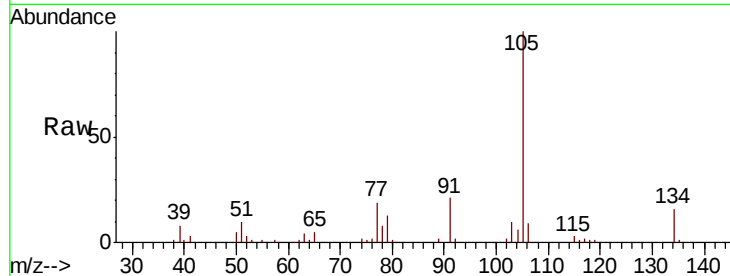
ClientSampleId :

Tot Ion:105 Resp: 116794

Ion Ratio Lower Upper

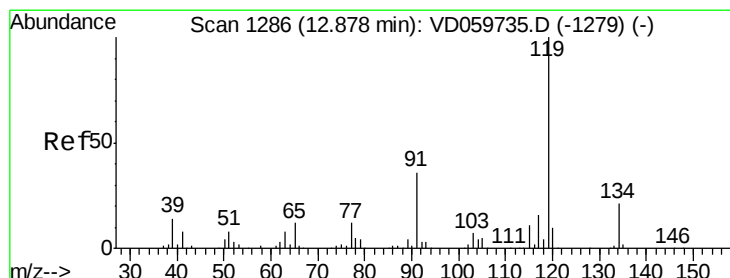
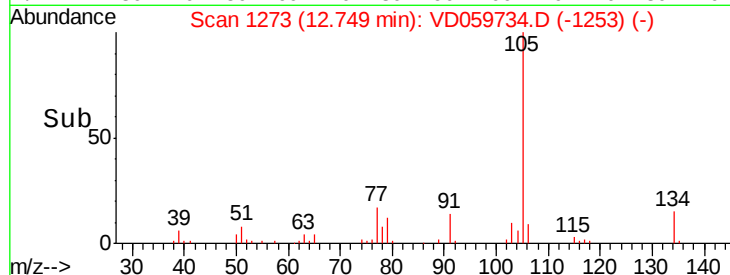
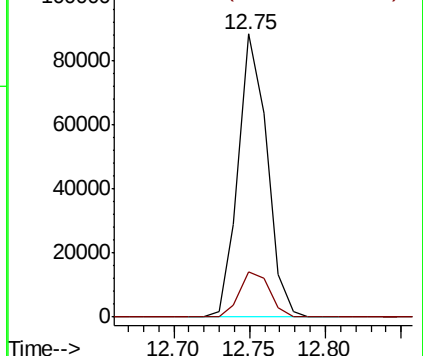
105 100

134 15.9 7.8 23.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.450 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059734.D

Acq: 10 Aug 2018 17:41

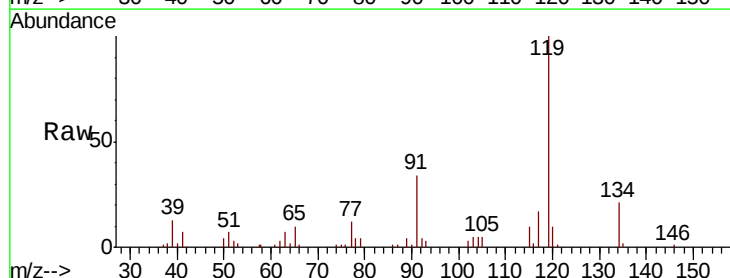
Tgt Ion:119 Resp: 107229

Ion Ratio Lower Upper

119 100

134 21.4 10.5 31.6

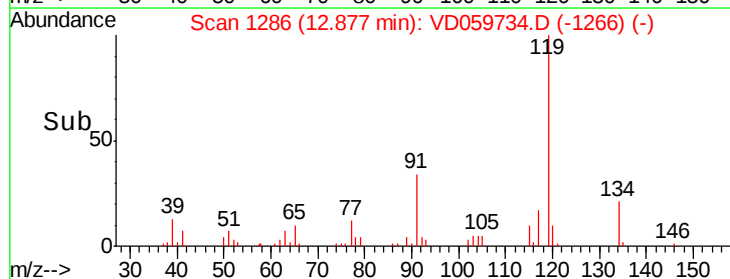
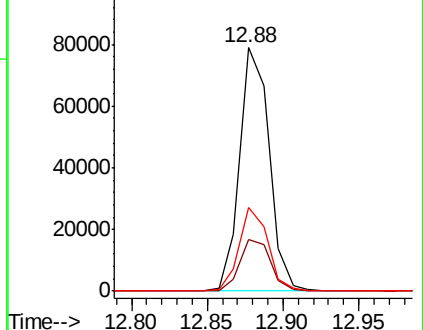
91 34.3 17.9 53.7

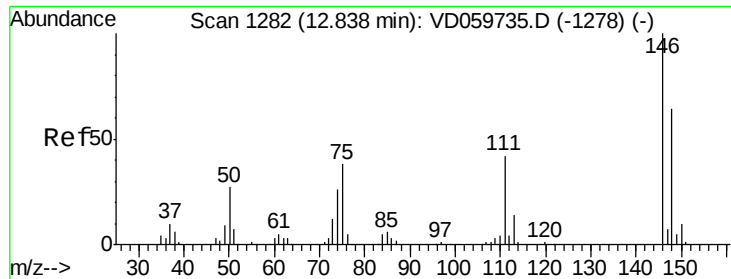


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

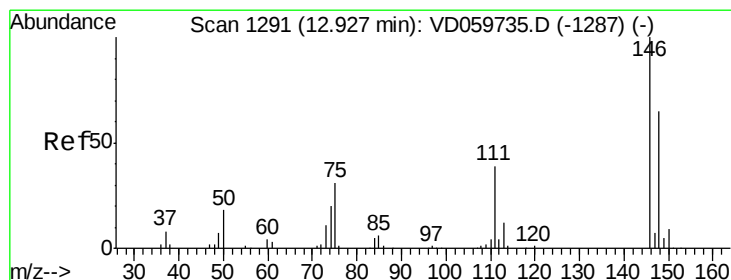
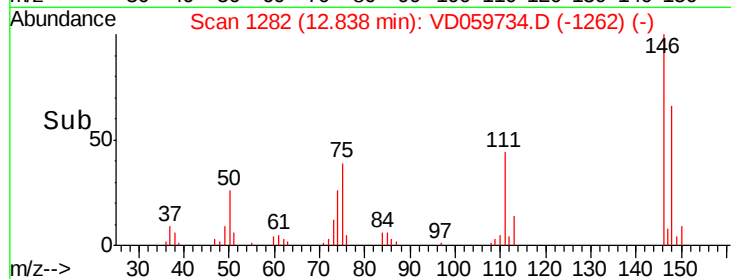
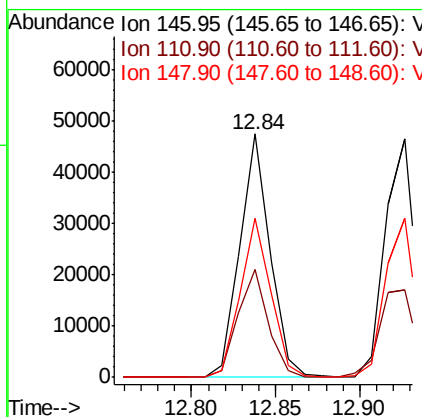
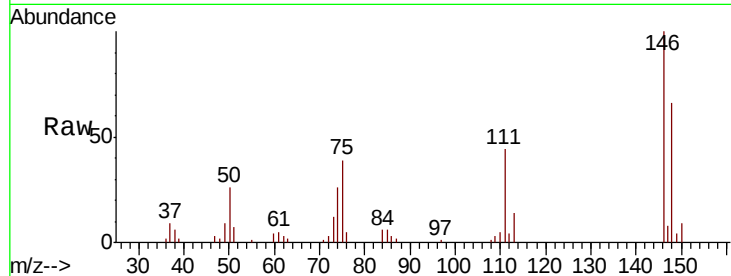




#87
 1,3-Dichlorobenzene
 Concen: 20.610 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

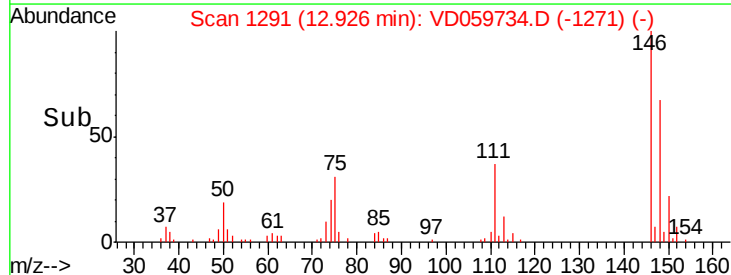
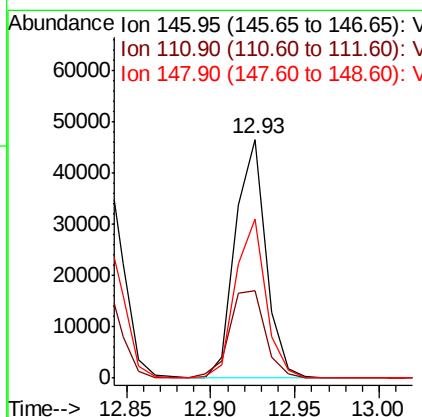
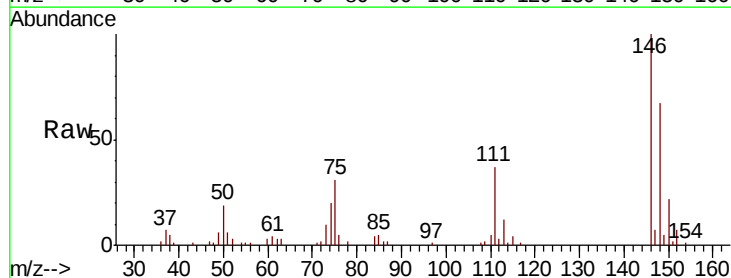
Instrument :
 MSVOA_D
 ClientSampleId :

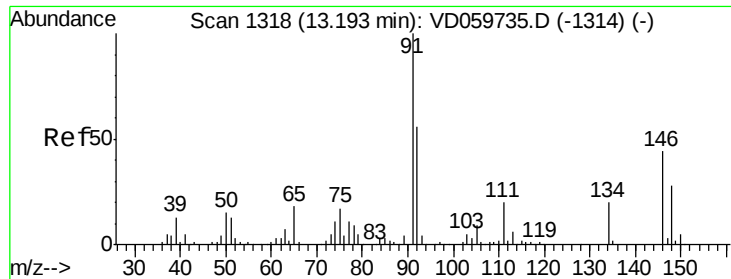
Tot Ion:146 Resp: 59060
 Ion Ratio Lower Upper
 146 100
 111 44.4 21.1 63.3
 148 65.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.695 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion:146 Resp: 58660
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.7 59.0
 148 66.6 32.4 97.2

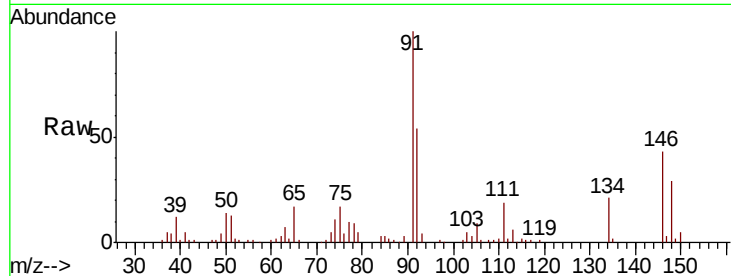




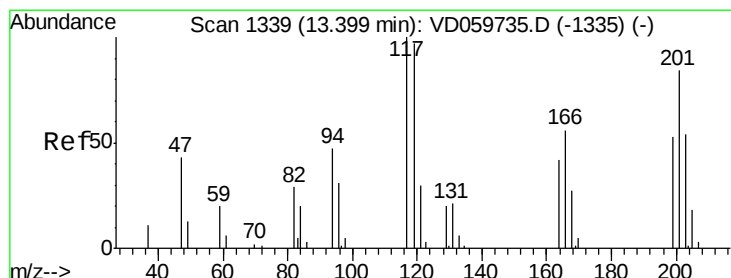
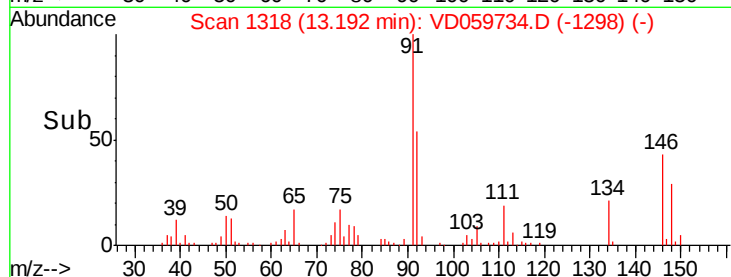
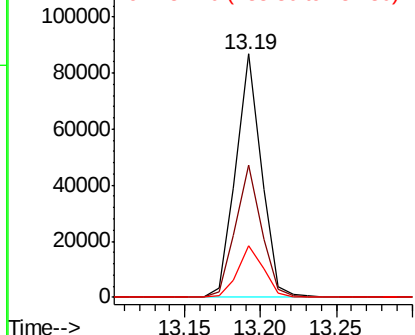
#89
n-Butylbenzene
Concen: 20.310 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 102327
Ion Ratio Lower Upper
91 100
92 54.2 28.1 84.4
134 21.3 10.3 30.8

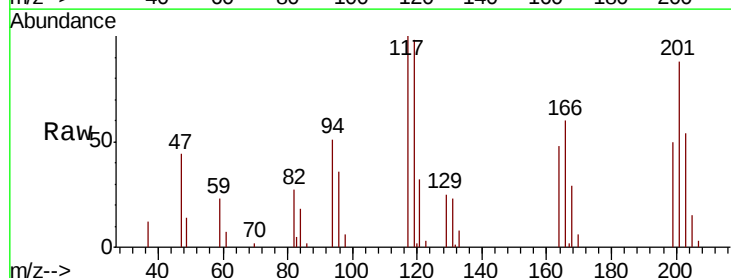


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

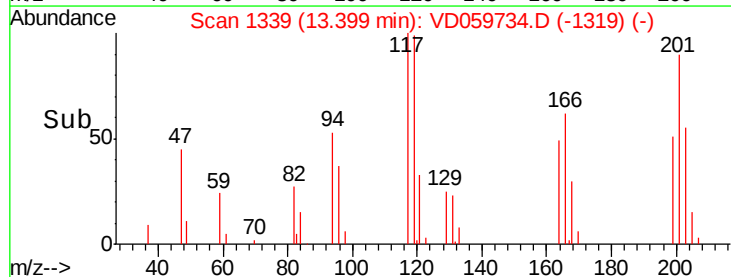
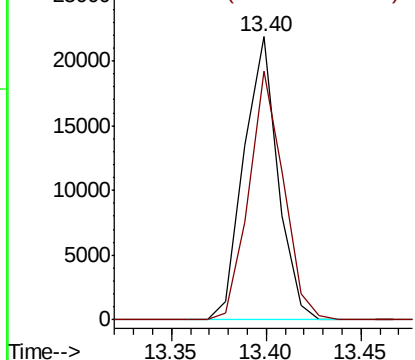


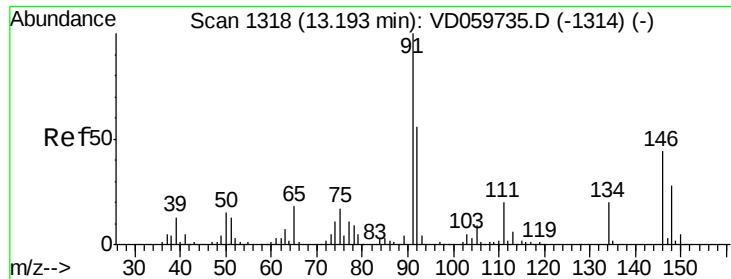
#90
Hexachloroethane
Concen: 20.791 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion: 117 Resp: 27121
Ion Ratio Lower Upper
117 100
201 87.8 41.9 125.7



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

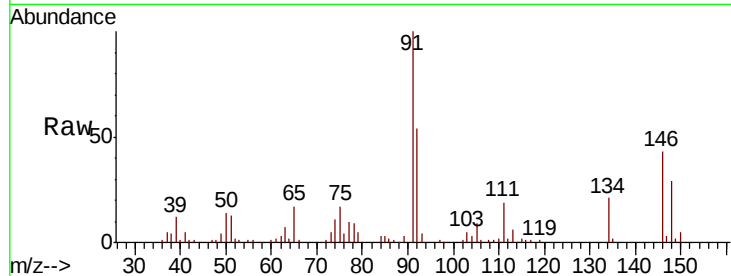




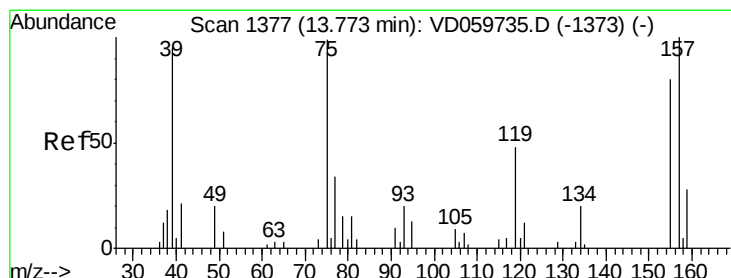
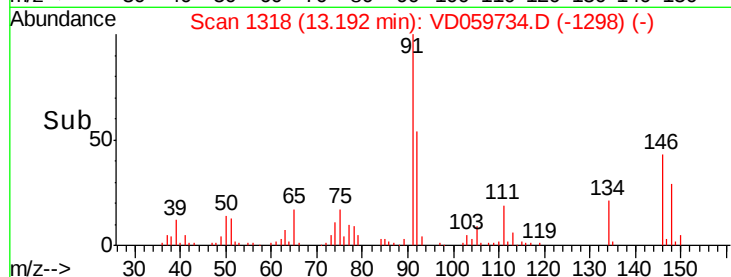
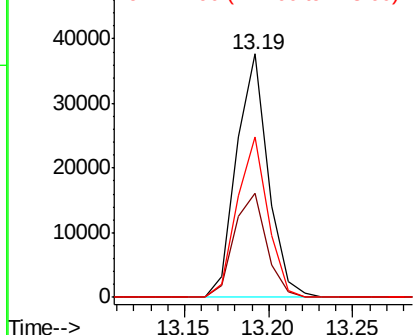
#91
 1,2-Dichlorobenzene
 Concen: 20.422 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 49009
 Ion Ratio Lower Upper
 146 100
 111 42.7 22.9 68.5
 148 66.1 31.8 95.4

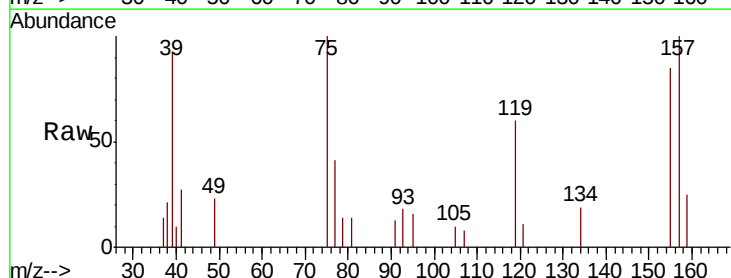


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

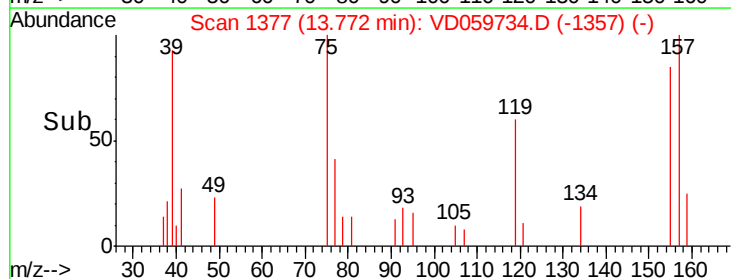
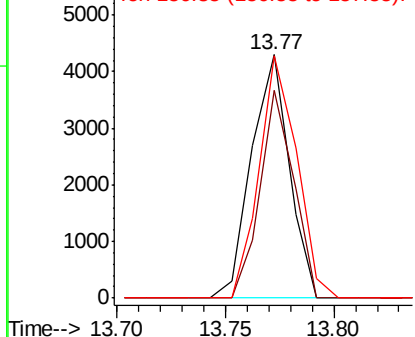


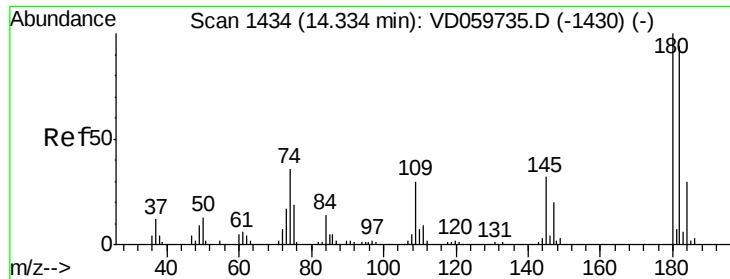
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.648 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion: 75 Resp: 5178
 Ion Ratio Lower Upper
 75 100
 155 85.4 40.4 121.1
 157 99.8 50.5 151.6



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

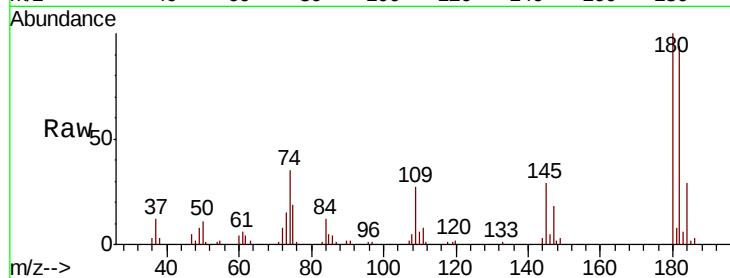




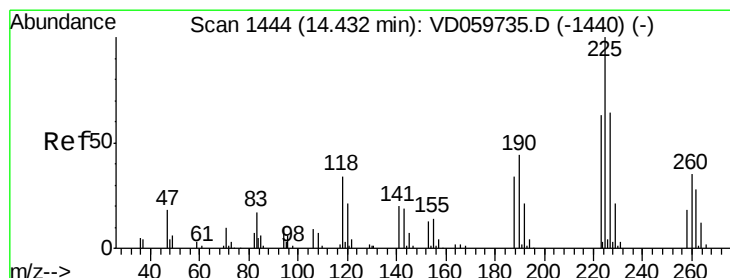
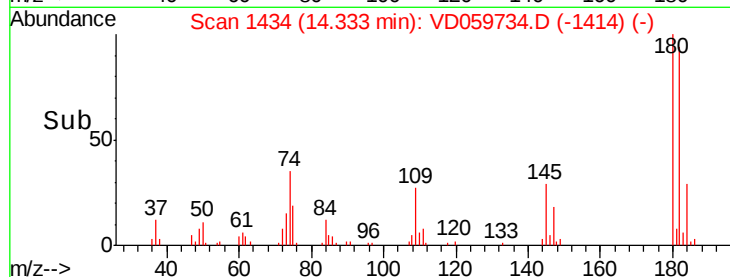
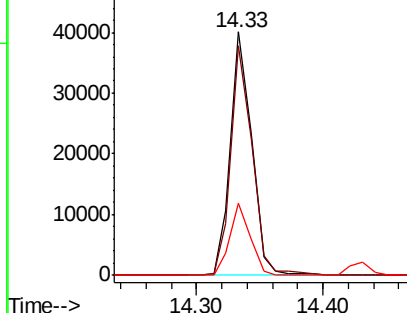
#93
 1,2,4-Trichlorobenzene
 Concen: 21.438 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 46929
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.1 141.4
 145 29.4 15.8 47.3

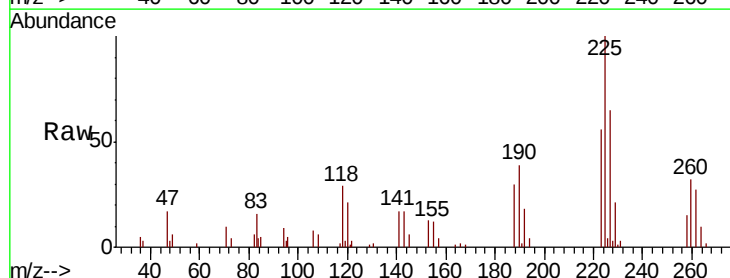


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

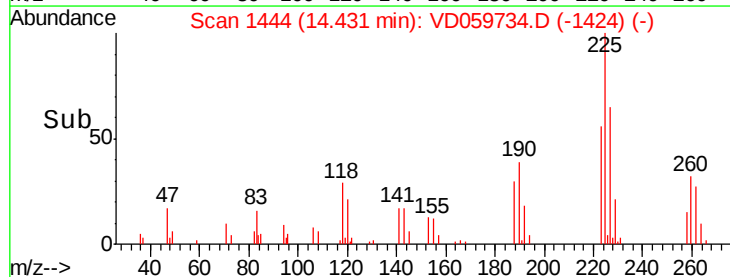
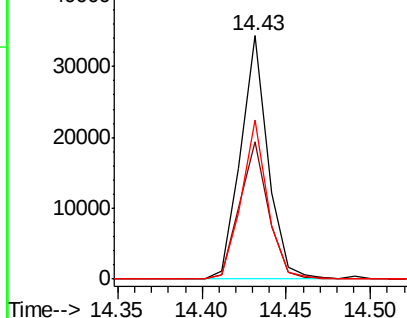


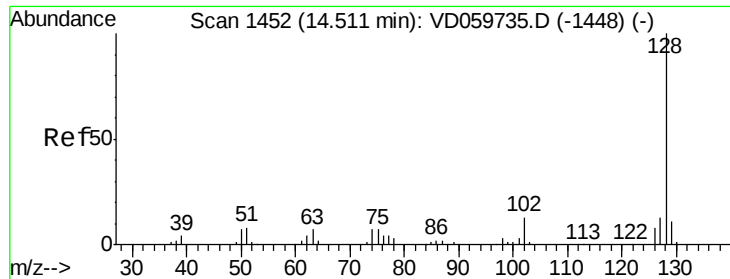
#94
 Hexachlorobutadiene
 Concen: 22.729 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059734.D
 Acq: 10 Aug 2018 17:41

Tgt Ion:225 Resp: 38820
 Ion Ratio Lower Upper
 225 100
 223 56.5 31.5 94.5
 227 65.1 32.1 96.3



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

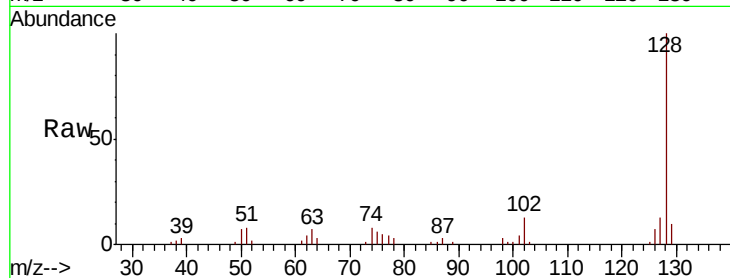




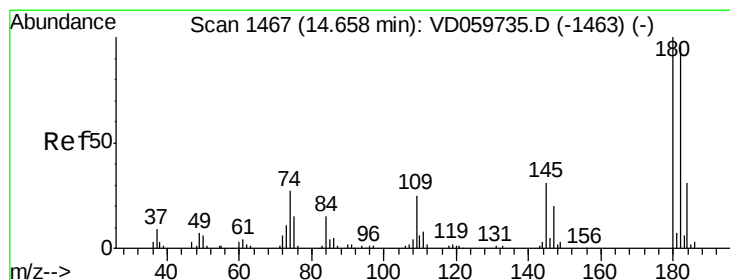
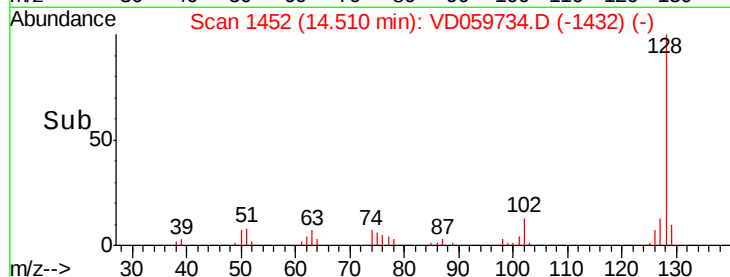
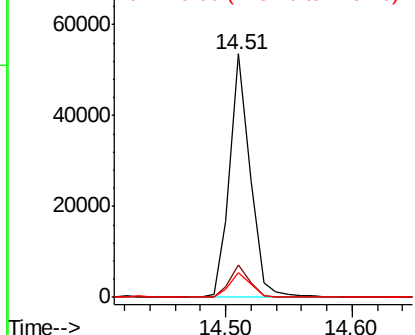
#95
Naphthalene
Concen: 18.878 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 60186
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 10.2 8.9 13.3

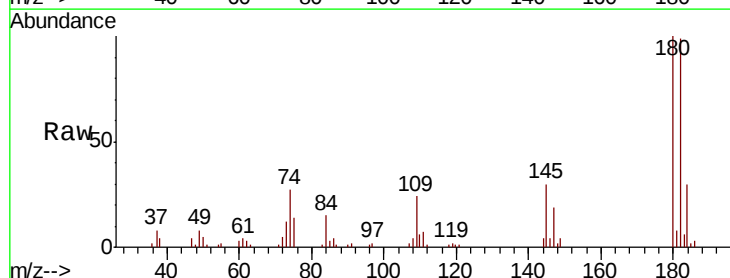


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.317 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059734.D
Acq: 10 Aug 2018 17:41

Tgt Ion:180 Resp: 40246
Ion Ratio Lower Upper
180 100
182 99.2 48.1 144.4
145 30.0 15.4 46.4



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

