

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
 Data File : VD059988.D
 Acq On : 10 Sep 2018 12:58
 Operator : JC/SY
 Sample : VD0910SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 10 13:41:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1321067	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1826731	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1506150	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	815138	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	540585	48.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	6.31	113	721120	50.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	9.45	98	1932727	48.63	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.42	95	788463	48.84	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.58	85	172037	14.568	ug/l 96
3) Chloromethane	1.74	50	183132	17.119	ug/l 97
4) Vinyl Chloride	1.84	62	153804	18.336	ug/l 100
5) Bromomethane	2.12	94	13486	9.312	ug/l 91
6) Chloroethane	2.24	64	38347	12.566	ug/l 99
7) Trichlorofluoromethane	2.48	101	187766	19.349	ug/l 98
8) Diethyl Ether	2.81	74	45281	20.799	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	141618	23.829	ug/l 96
10) Methyl Iodide	3.22	142	104909	18.888	ug/l 98
11) Tert butyl alcohol	3.97	59	79254	93.285	ug/l 97
12) 1,1-Dichloroethene	3.05	96	102282	22.108	ug/l 89
13) Acrolein	2.96	56	19851	53.871	ug/l 89
14) Allyl chloride	3.52	41	219560	20.977	ug/l 98
15) Acrylonitrile	4.07	53	322030	101.219	ug/l 98
16) Acetone	3.14	43	219668	108.286	ug/l 98
17) Carbon Disulfide	3.30	76	220193	15.333	ug/l 100
18) Methyl Acetate	3.54	43	77716	18.352	ug/l # 93
19) Methyl tert-butyl Ether	4.11	73	502200	19.188	ug/l 98
20) Methylene Chloride	3.70	84	333998	22.631	ug/l 95
21) trans-1,2-Dichloroethene	4.08	96	231825	18.187	ug/l 98
22) Diisopropyl ether	4.84	45	1046736	19.609	ug/l 98
23) Vinyl Acetate	4.78	43	2989244	100.176	ug/l 99
24) 1,1-Dichloroethane	4.74	63	452809	19.636	ug/l 99
25) 2-Butanone	5.61	43	508913	84.705	ug/l 99
26) 2,2-Dichloropropane	5.57	77	371046	19.247	ug/l 98
27) cis-1,2-Dichloroethene	5.58	96	280736	20.114	ug/l 93
28) Bromochloromethane	5.91	49	216579	19.596	ug/l 96
29) Tetrahydrofuran	5.95	42	280215	97.967	ug/l 99
30) Chloroform	6.08	83	483561	20.633	ug/l 97
31) Cyclohexane	6.35	56	360980	17.027	ug/l 99
32) 1,1,1-Trichloroethane	6.28	97	388229	19.518	ug/l 99
36) 1,1-Dichloropropene	6.51	75	320219	19.338	ug/l 97
37) Ethyl Acetate	5.68	43	249470	19.360	ug/l 98
38) Carbon Tetrachloride	6.49	117	316914	18.964	ug/l 99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	321236	17.955	ug/l	98
40) Benzene	6.78	78	846523	19.660	ug/l	99
41) Methacrylonitrile	5.94	41	283110	43.616	ug/l #	83
42) 1,2-Dichloroethane	6.88	62	264263	19.118	ug/l	98
43) Isopropyl Acetate	8.34	43	315975	18.848	ug/l	98
44) Trichloroethene	7.73	130	251692	19.853	ug/l	99
45) 1,2-Dichloropropane	8.09	63	241069	20.030	ug/l	97
46) Dibromomethane	8.21	93	150921	19.502	ug/l	90
47) Bromodichloromethane	8.49	83	344072	19.640	ug/l	96
48) Methyl methacrylate	8.24	41	182352	18.660	ug/l	98
49) 1,4-Dioxane	8.22	88	35685	409.016	ug/l #	83
51) 4-Methyl-2-Pentanone	9.33	43	1045994	83.693	ug/l	97
52) Toluene	9.54	92	557675	20.198	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	320531	19.781	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	375535	19.989	ug/l	96
55) 1,1,2-Trichloroethane	10.18	97	199336	19.751	ug/l	96
56) Ethyl methacrylate	10.02	69	221050	18.978	ug/l	98
57) 1,3-Dichloropropane	10.37	76	307026	21.018	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	637584	114.107	ug/l	97
59) 2-Hexanone	10.48	43	826106	89.616	ug/l	95
60) Dibromochloromethane	10.63	129	249378	19.659	ug/l	95
61) 1,2-Dibromoethane	10.75	107	199142	19.515	ug/l	99
64) Tetrachloroethene	10.25	164	225388	19.353	ug/l	97
65) Chlorobenzene	11.31	112	634383	21.196	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	230735	21.101	ug/l	99
67) Ethyl Benzene	11.43	91	1087695	21.602	ug/l	99
68) m/p-Xylenes	11.57	106	791105	43.152	ug/l	100
69) o-Xylene	11.93	106	397255	22.155	ug/l	99
70) Styrene	11.95	104	652827	21.027	ug/l	98
71) Bromoform	12.12	173	176818	18.689	ug/l #	98
73) Isopropylbenzene	12.27	105	1067677	20.519	ug/l	98
74) N-amyl acetate	12.13	43	417011	18.303	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	233109	19.368	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	242618	19.150	ug/l	99
77) Bromobenzene	12.54	156	297958	20.653	ug/l	80
78) n-propylbenzene	12.64	91	1364402	20.708	ug/l	97
79) 2-Chlorotoluene	12.70	91	764112	20.507	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	850091	20.549	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.34	75	69336	17.594	ug/l	95
82) 4-Chlorotoluene	12.81	91	882046	20.753	ug/l	97
83) tert-Butylbenzene	13.04	119	985301	20.908	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	884079	20.503	ug/l	97
85) sec-Butylbenzene	13.22	105	1172259	21.153	ug/l	97
86) p-Isopropyltoluene	13.34	119	929625	20.626	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	516079	20.037	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	535691	20.846	ug/l	99
89) n-Butylbenzene	13.64	91	988876	20.298	ug/l	98
90) Hexachloroethane	13.86	117	223749	18.489	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	478325	21.841	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	33510	18.109	ug/l	79

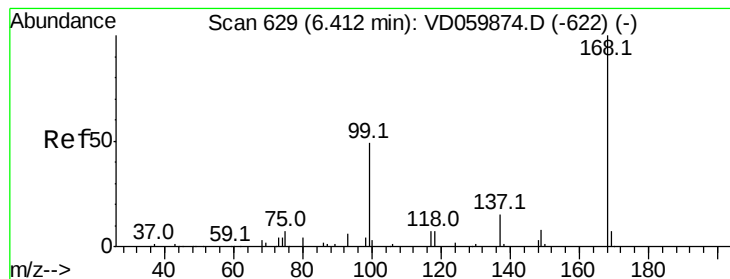
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	389170	20.754	ug/l	98
94) Hexachlorobutadiene	14.87	225	250952	20.416	ug/l	98
95) Naphthalene	14.96	128	570629	19.914	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	323357	20.163	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

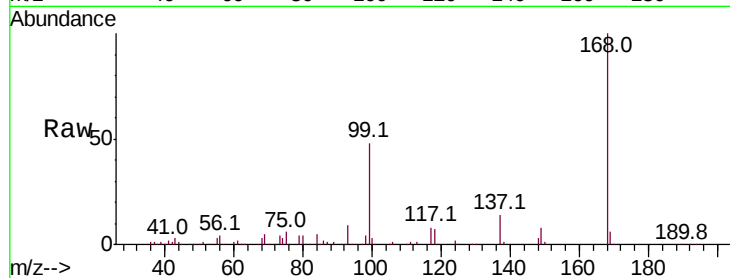
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1321067

Ion Ratio Lower Upper

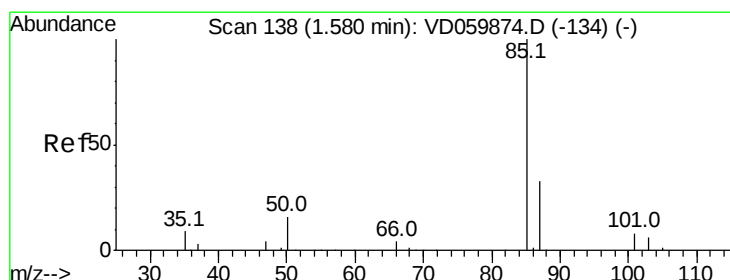
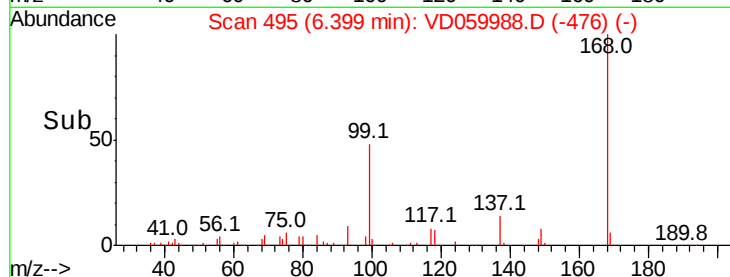
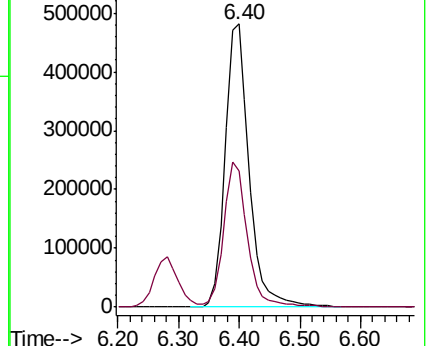
168 100

99 48.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 14.568 ug/l

RT: 1.58 min Scan# 5

Delta R.T. -0.00 min

Lab File: VD059988.D

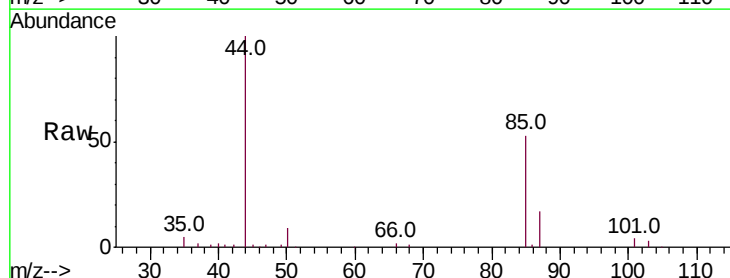
Acq: 10 Sep 2018 12:58

Tgt Ion: 85 Resp: 172037

Ion Ratio Lower Upper

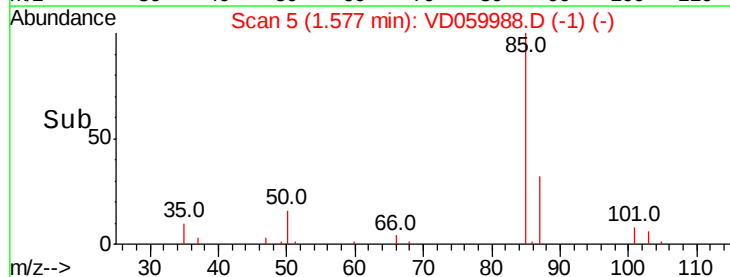
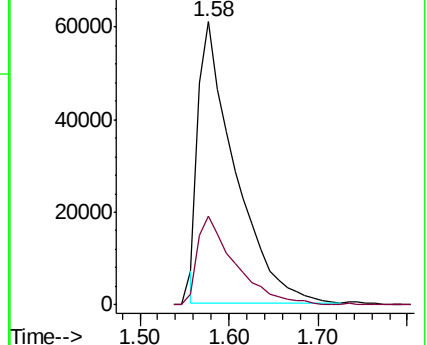
85 100

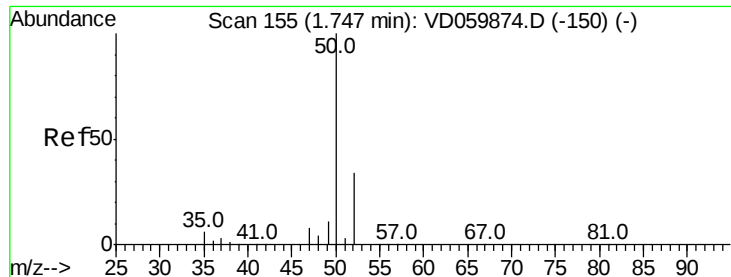
87 31.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.119 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

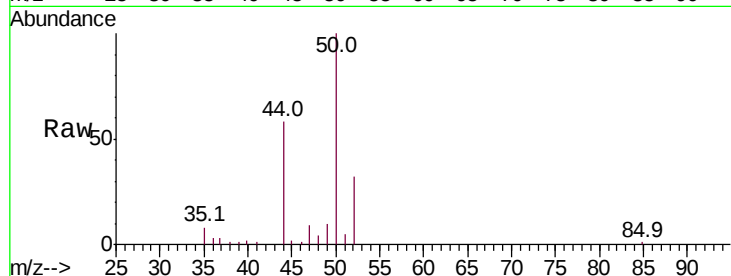
ClientSampleId :

Tot Ion: 50 Resp: 183132

Ion Ratio Lower Upper

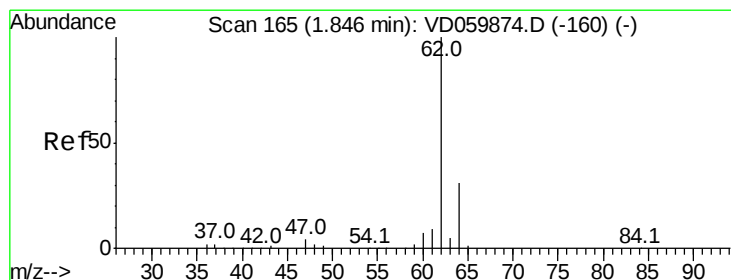
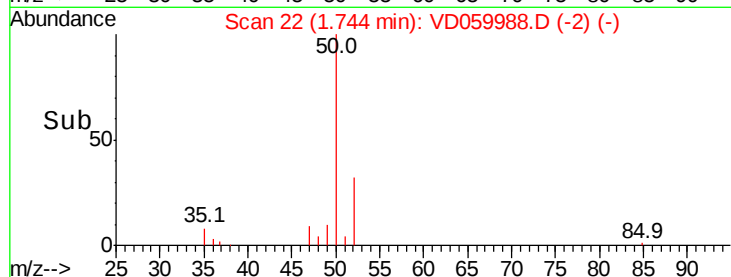
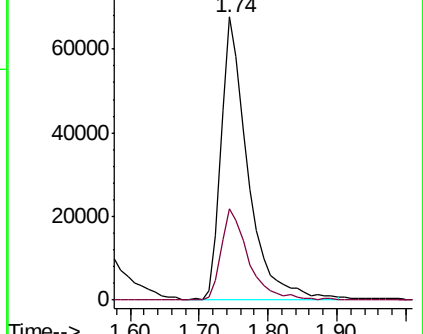
50 100

52 32.4 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.336 ug/l

RT: 1.84 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD059988.D

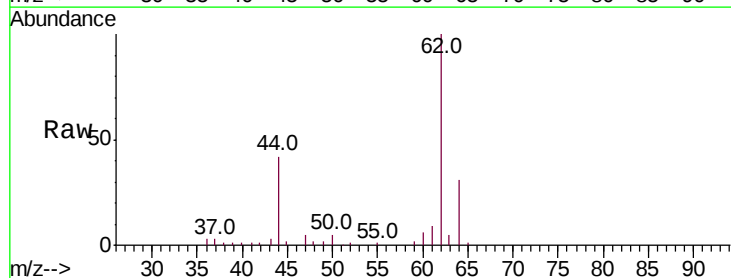
Acq: 10 Sep 2018 12:58

Tgt Ion: 62 Resp: 153804

Ion Ratio Lower Upper

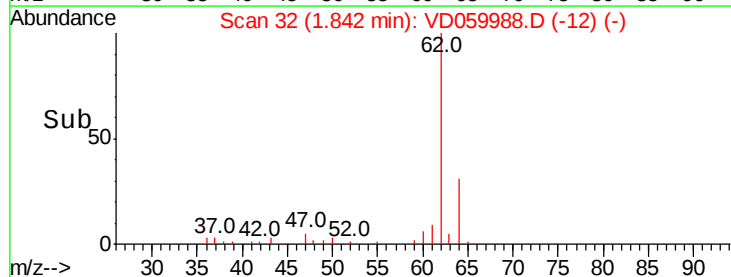
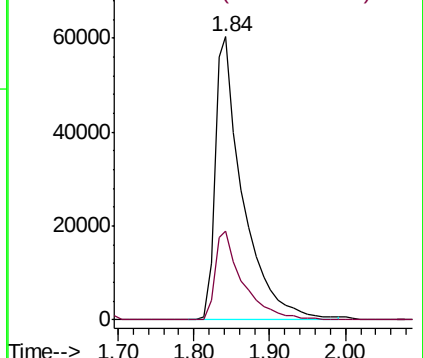
62 100

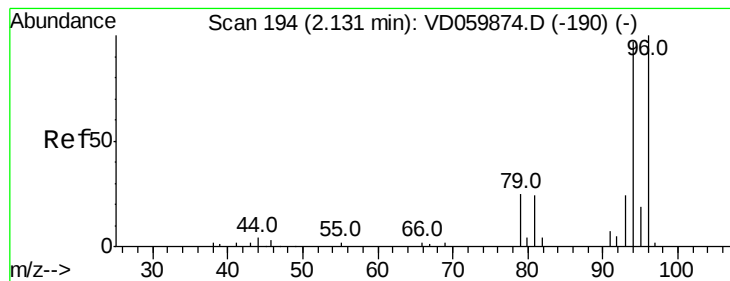
64 31.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.312 ug/l

RT: 2.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

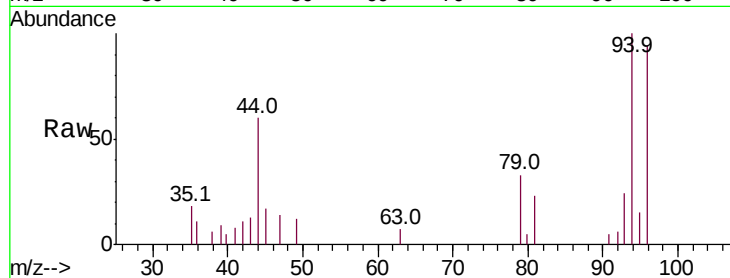
ClientSampleId :

Tot Ion: 94 Resp: 13486

Ion Ratio Lower Upper

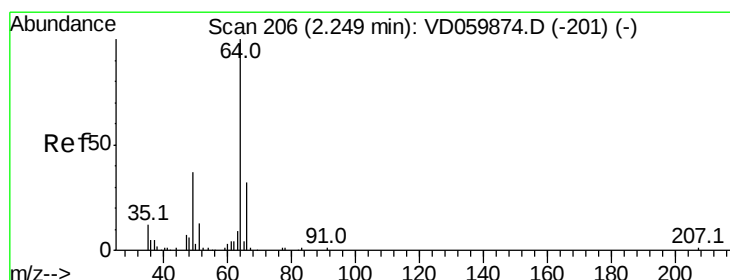
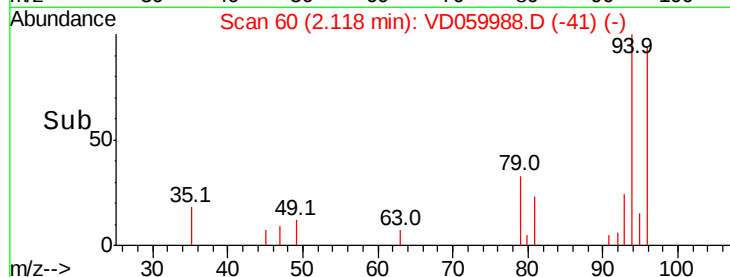
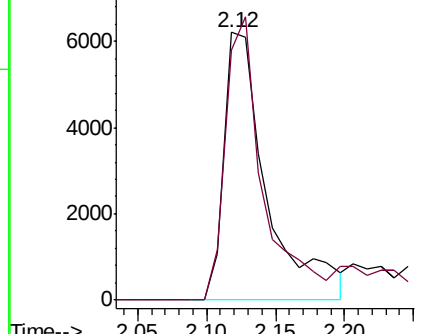
94 100

96 93.7 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.566 ug/l

RT: 2.24 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD059988.D

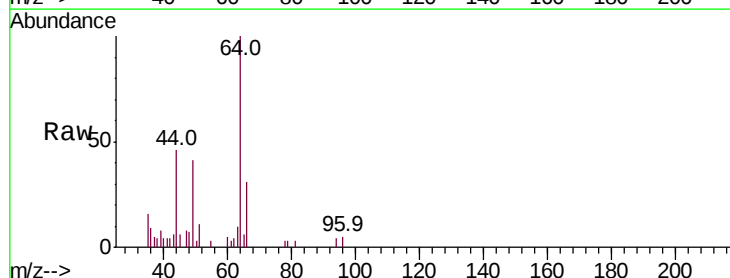
Acq: 10 Sep 2018 12:58

Tgt Ion: 64 Resp: 38347

Ion Ratio Lower Upper

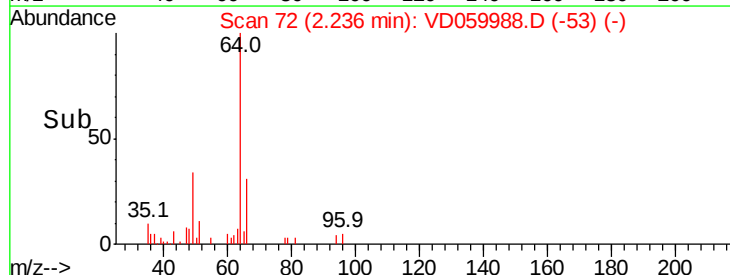
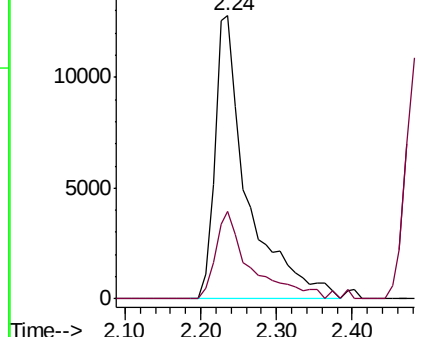
64 100

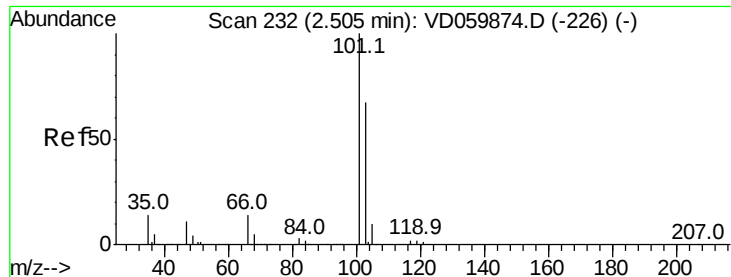
66 31.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 19.349 ug/l

RT: 2.48 min Scan# 97

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

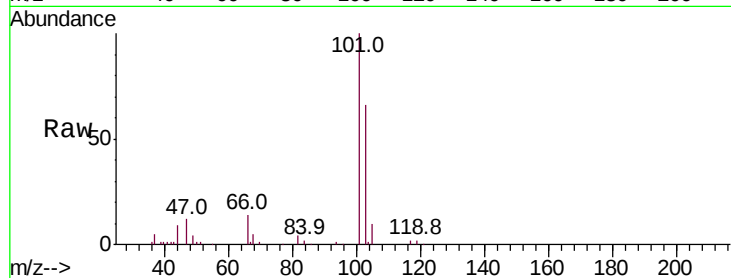
ClientSampled :

Tot Ion:101 Resp: 187766

Ion Ratio Lower Upper

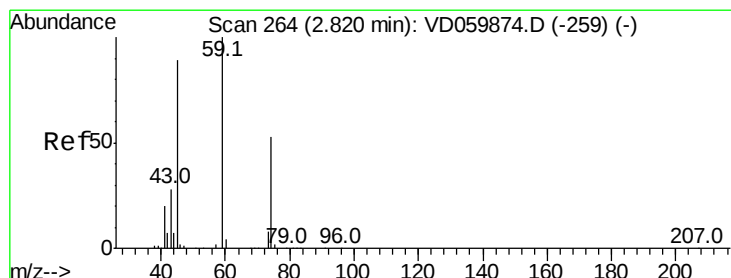
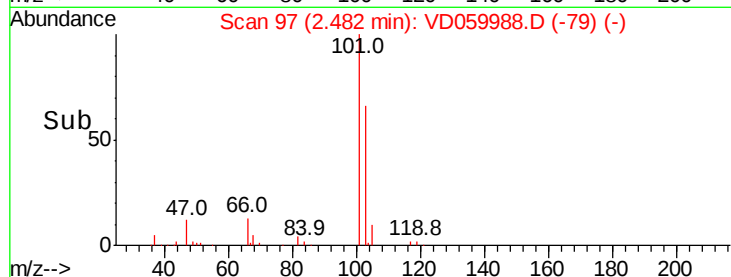
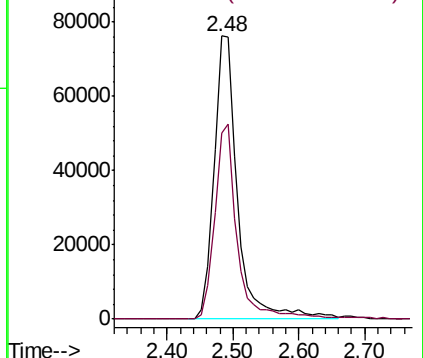
101 100

103 65.8 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 20.799 ug/l

RT: 2.81 min Scan# 130

Delta R.T. -0.01 min

Lab File: VD059988.D

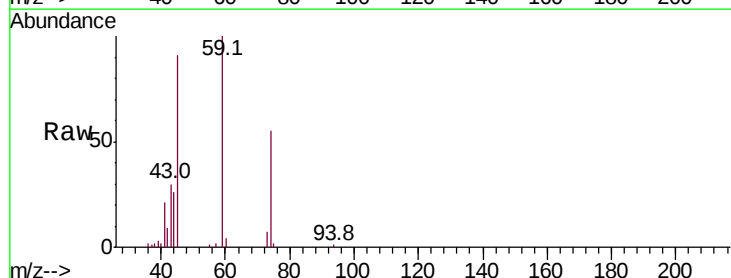
Acq: 10 Sep 2018 12:58

Tgt Ion: 74 Resp: 45281

Ion Ratio Lower Upper

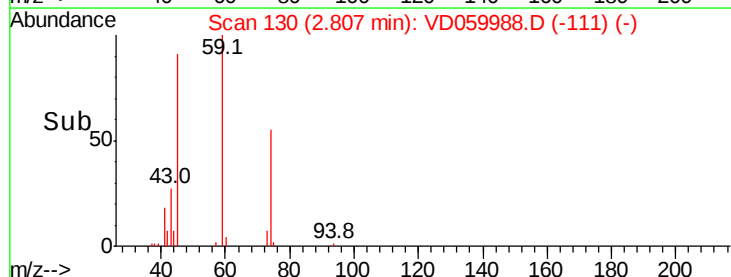
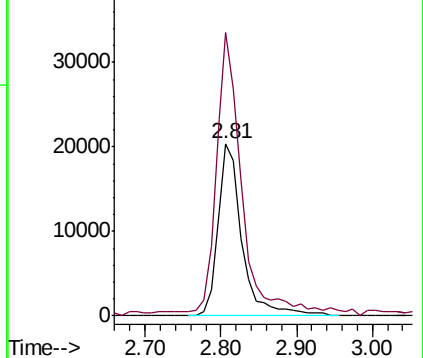
74 100

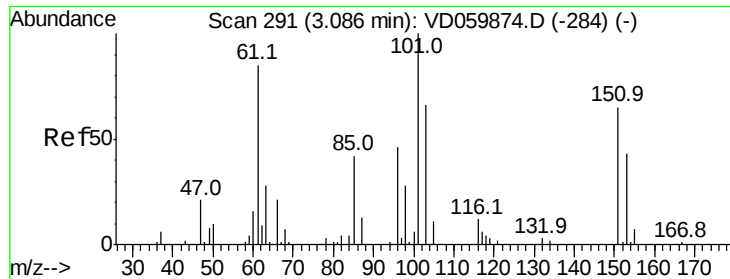
45 163.9 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.829 ug/l

RT: 3.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

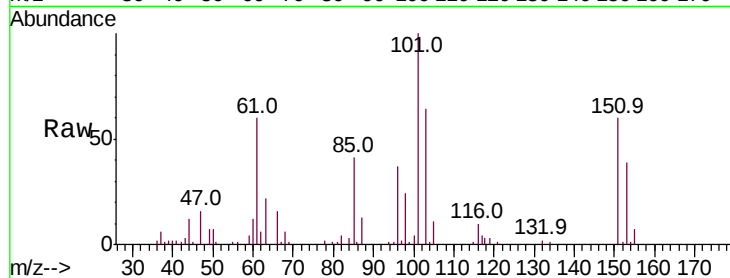
Tot Ion:101 Resp: 141618

Ion Ratio Lower Upper

101 100

85 41.2 33.6 50.4

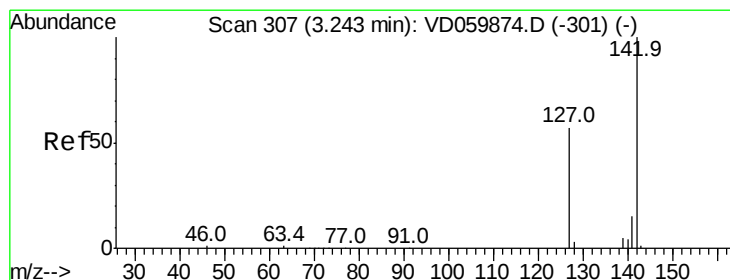
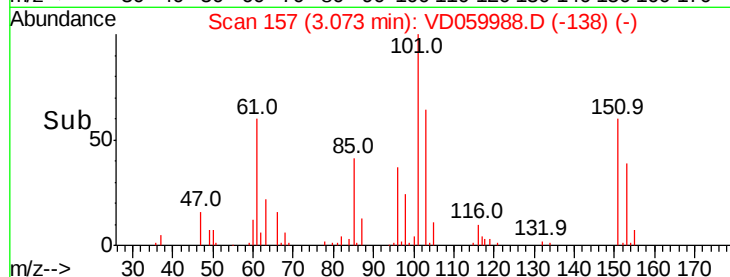
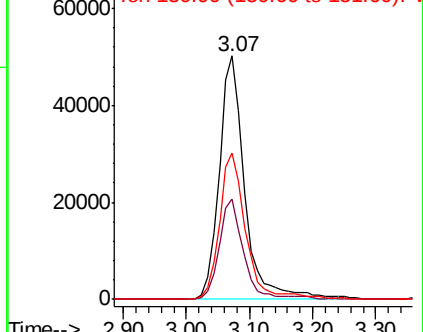
151 60.2 52.0 78.0



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: 18.888 ug/l

RT: 3.22 min Scan# 172

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

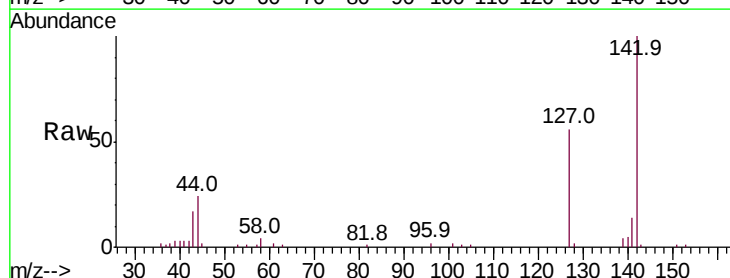
Tgt Ion:142 Resp: 104909

Ion Ratio Lower Upper

142 100

127 56.0 45.8 68.6

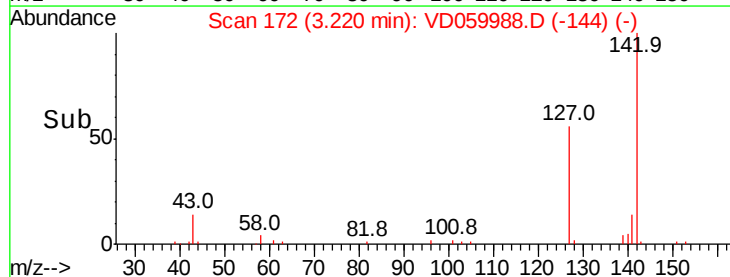
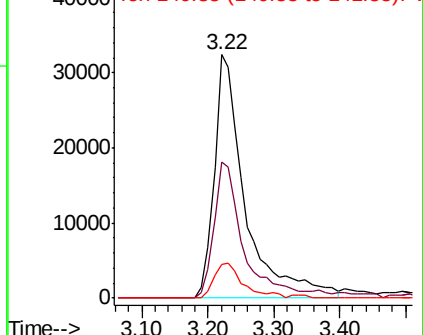
141 14.1 11.6 17.4

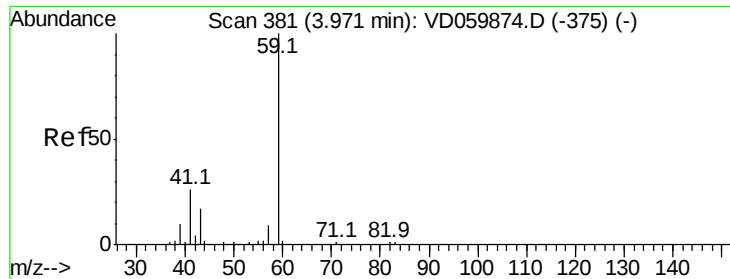


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

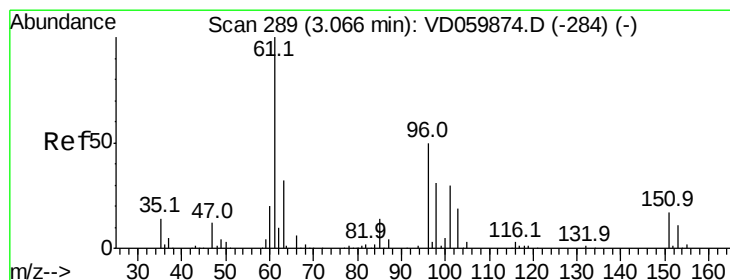
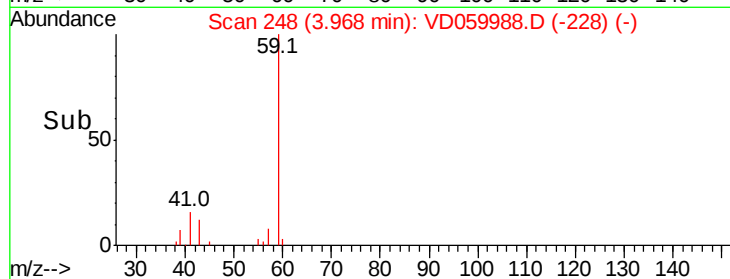
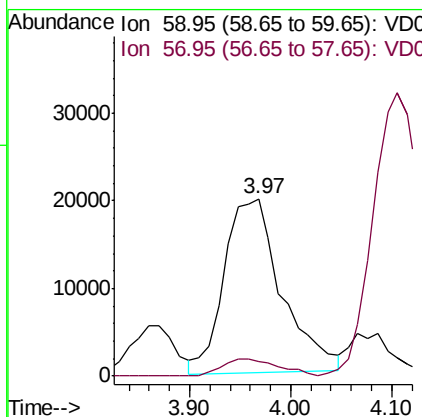
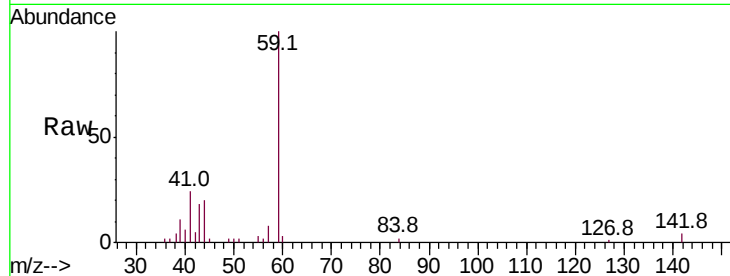




#11
Tert butyl alcohol
Concen: 93.285 ug/l
RT: 3.97 min Scan# 248
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

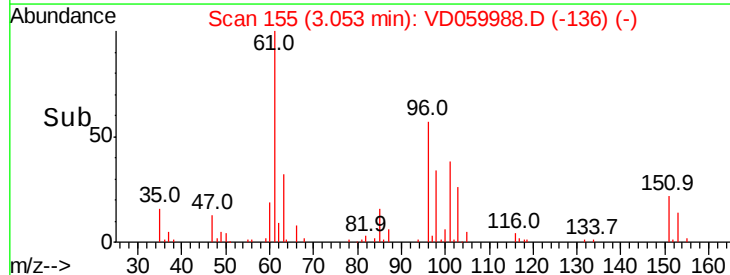
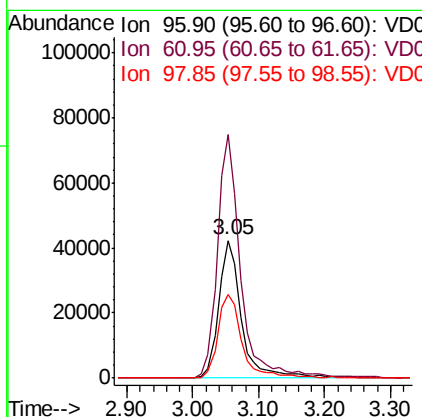
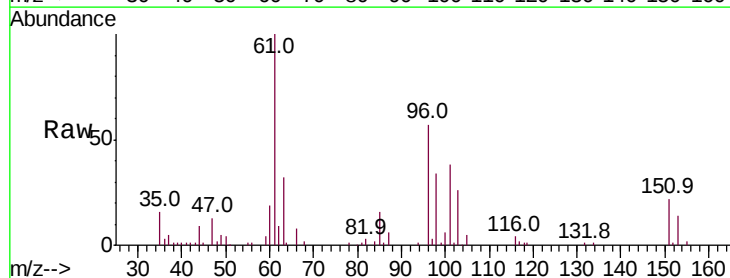
Instrument :
MSVOA_D
ClientSampleId :

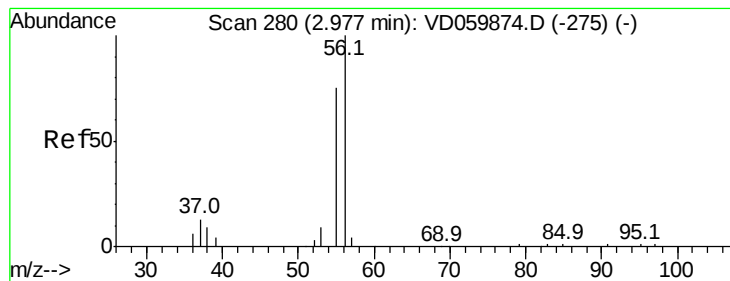
Tot Ion: 59 Resp: 79254
Ion Ratio Lower Upper
59 100
57 8.3 7.4 11.0



#12
1,1-Dichloroethene
Concen: 22.108 ug/l
RT: 3.05 min Scan# 155
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 96 Resp: 102282
Ion Ratio Lower Upper
96 100
61 176.6 158.8 238.2
98 60.7 48.7 73.1





#13

Acrolein

Concen: 53.871 ug/l

RT: 2.96 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

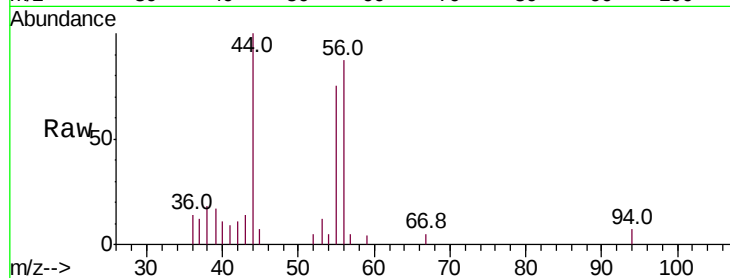
ClientSampleId :

Tot Ion: 56 Resp: 19851

Ion Ratio Lower Upper

56 100

55 86.7 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

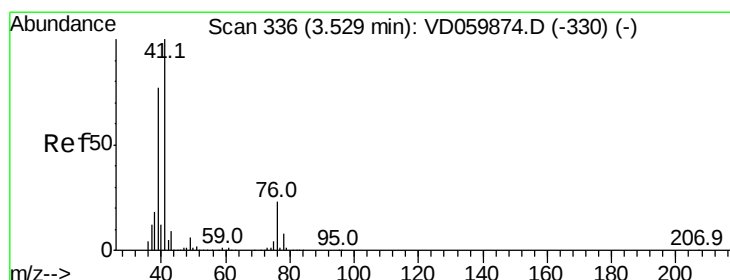
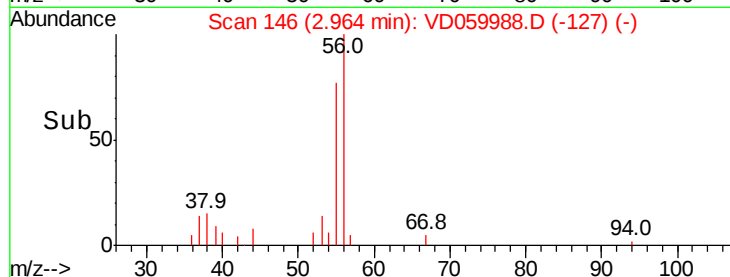
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 20.977 ug/l

RT: 3.52 min Scan# 202

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

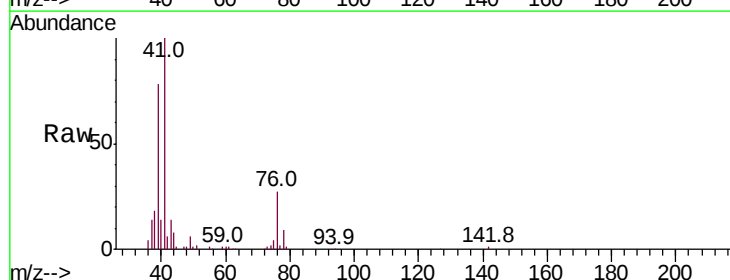
Tgt Ion: 41 Resp: 219560

Ion Ratio Lower Upper

41 100

39 78.1 61.8 92.6

76 26.7 19.4 29.2



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

100000

80000

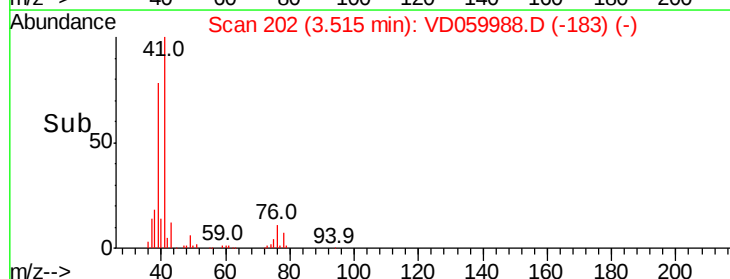
60000

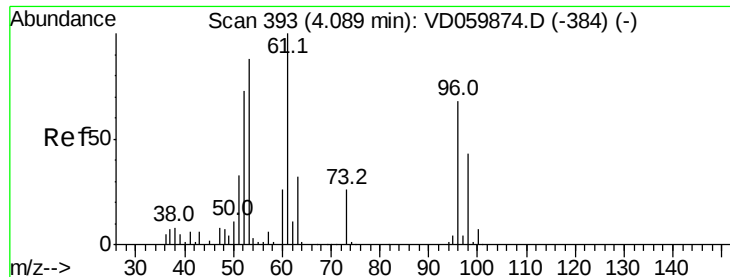
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 101.219 ug/l

RT: 4.07 min Scan# 258

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampled :

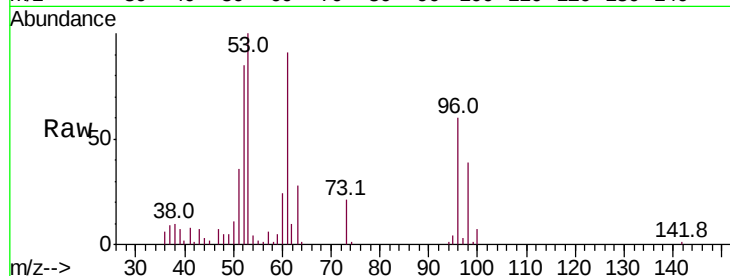
Tot Ion: 53 Resp: 322030

Ion Ratio Lower Upper

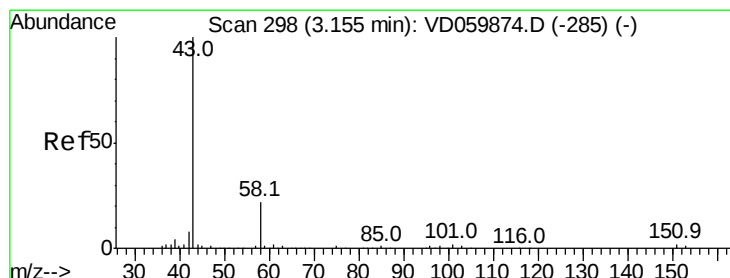
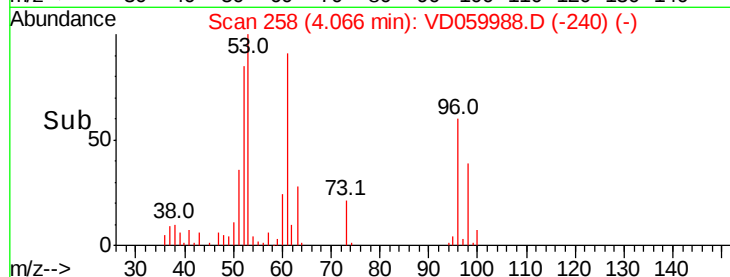
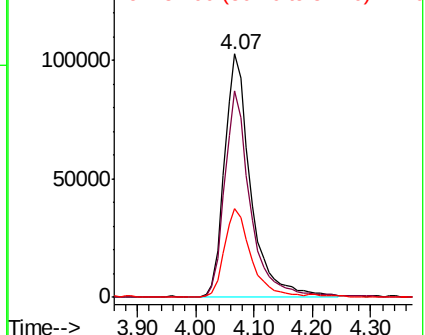
53 100

52 84.9 66.9 100.3

51 36.3 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 108.286 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059988.D

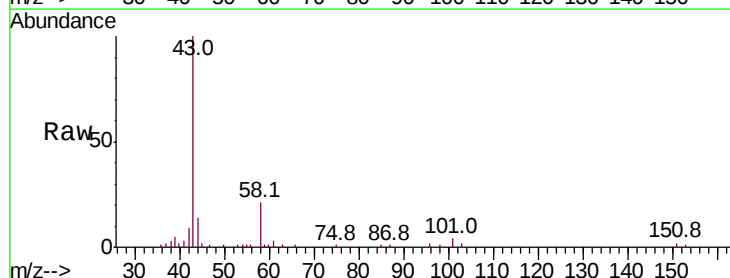
Acq: 10 Sep 2018 12:58

Tgt Ion: 43 Resp: 219668

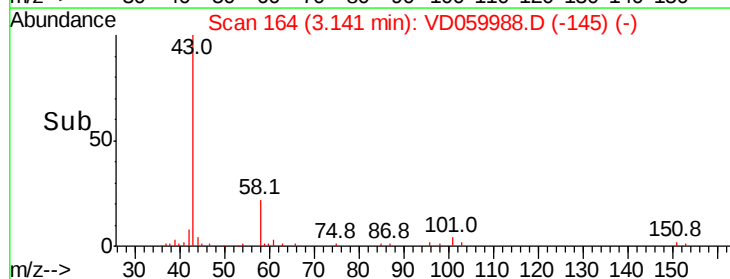
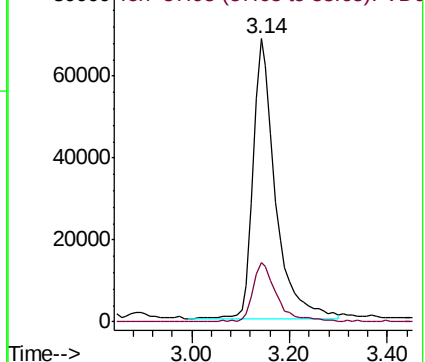
Ion Ratio Lower Upper

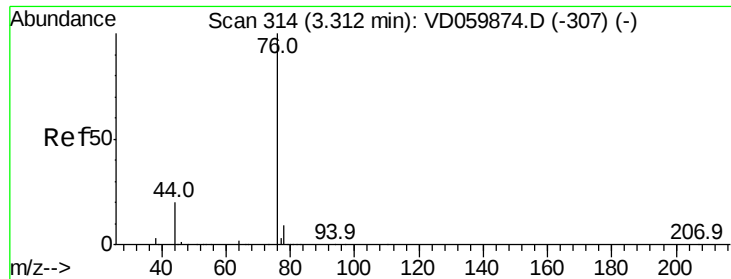
43 100

58 21.2 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

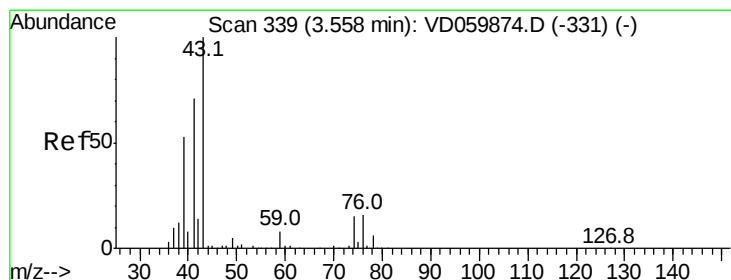
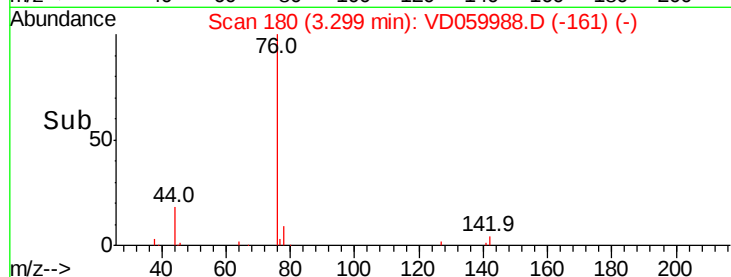
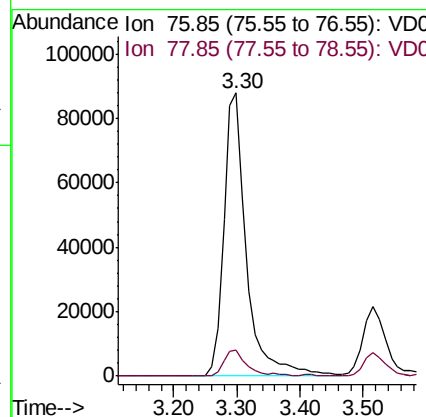
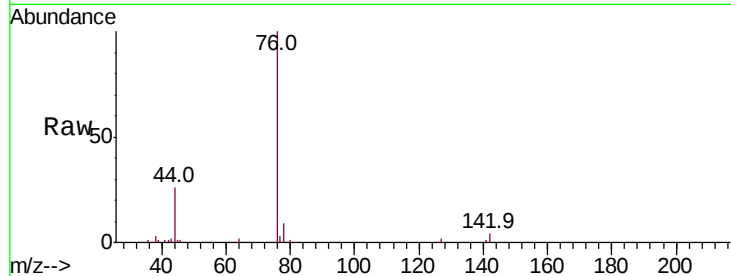




#17
Carbon Disulfide
Concen: 15.333 ug/l
RT: 3.30 min Scan# 180
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

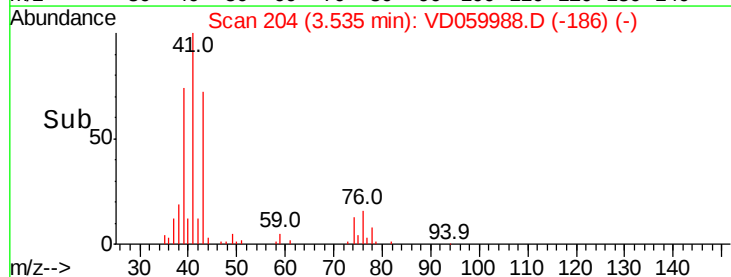
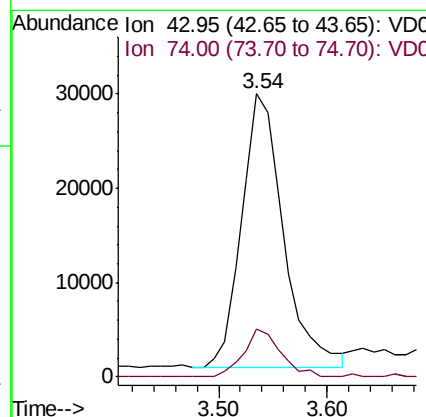
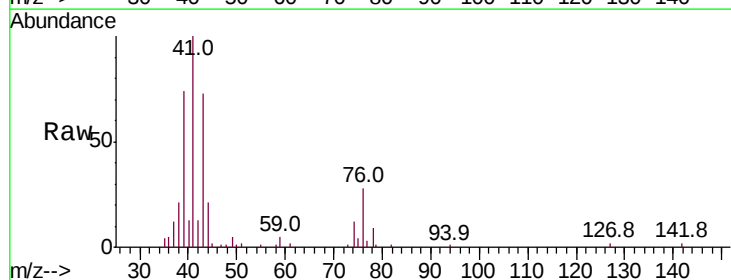
Instrument :
MSVOA_D
ClientSampleId :

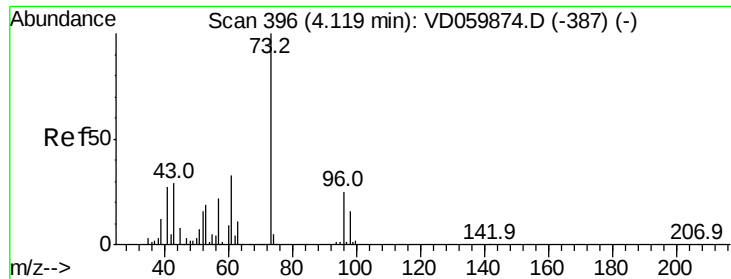
Tot Ion: 76 Resp: 220193
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2



#18
Methyl Acetate
Concen: 18.352 ug/l
RT: 3.54 min Scan# 204
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 43 Resp: 77716
Ion Ratio Lower Upper
43 100
74 17.0 11.2 16.8#



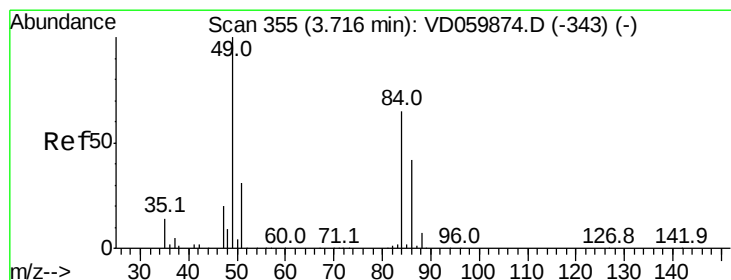
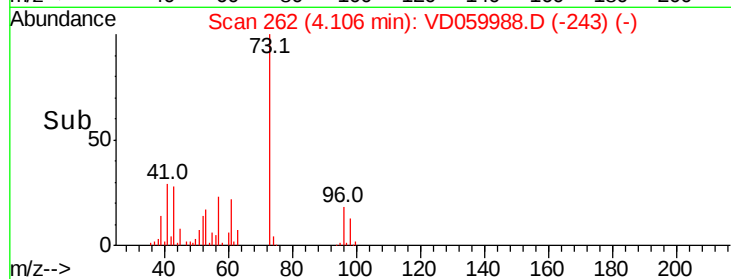
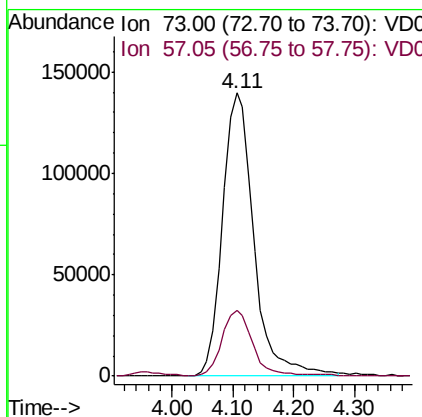
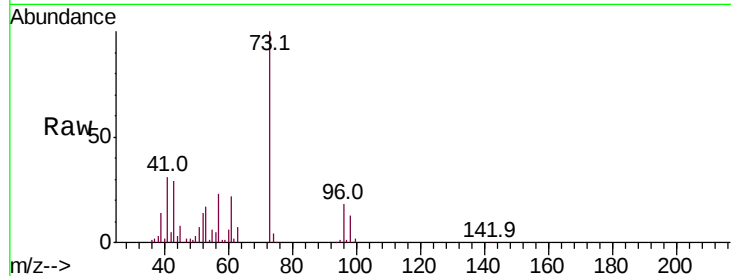


#19

Methyl tert-butyl Ether
 Concen: 19.188 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampled :

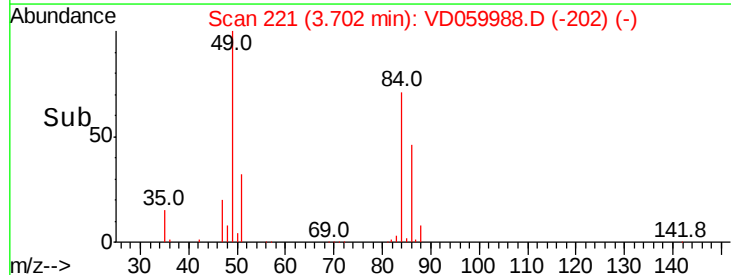
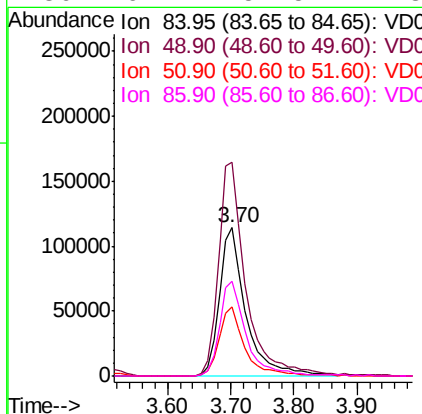
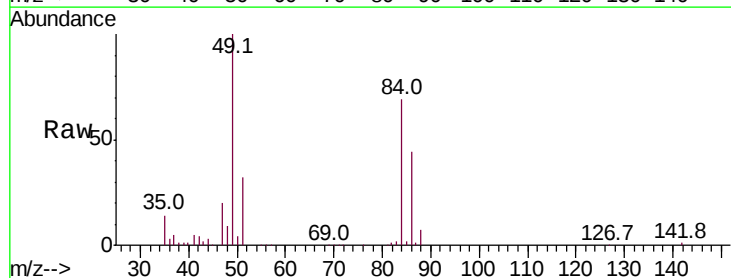
Tot Ion: 73 Resp: 502200
 Ion Ratio Lower Upper
 73 100
 57 23.1 17.9 26.9

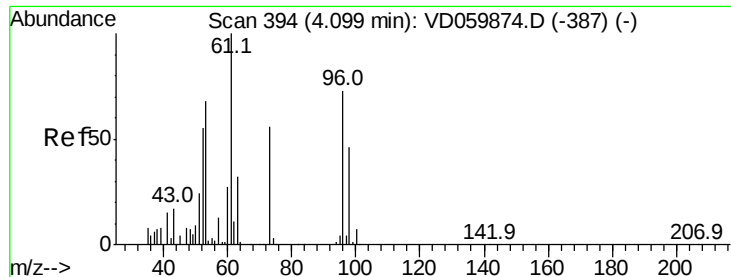


#20

Methylene Chloride
 Concen: 22.631 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion: 84 Resp: 333998
 Ion Ratio Lower Upper
 84 100
 49 144.2 122.6 183.8
 51 46.6 38.4 57.6
 86 64.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.187 ug/l

RT: 4.08 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

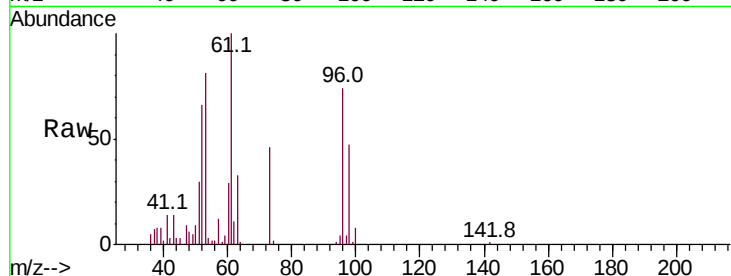
Tot Ion: 96 Resp: 231825

Ion Ratio Lower Upper

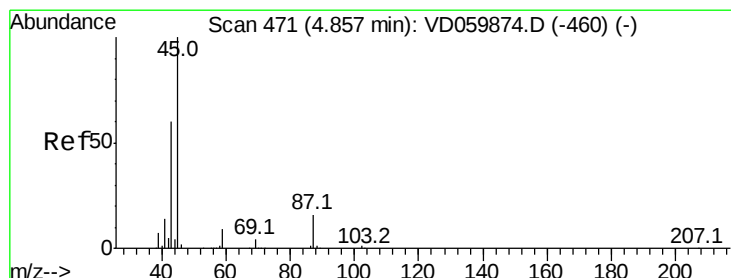
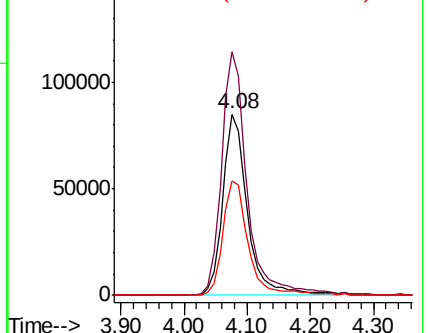
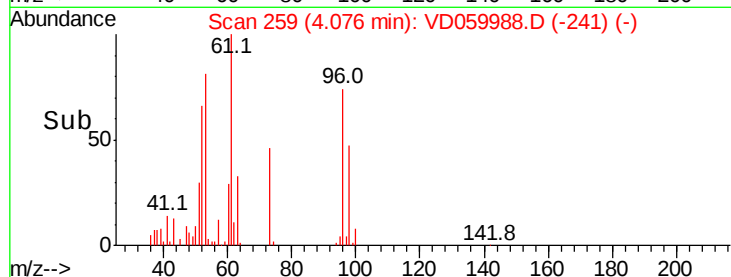
96 100

61 134.4 110.2 165.4

98 63.0 50.9 76.3



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: 19.609 ug/l

RT: 4.84 min Scan# 337

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion: 45 Resp: 1046736

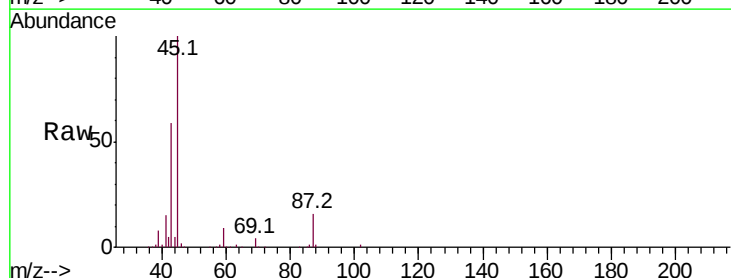
Ion Ratio Lower Upper

45 100

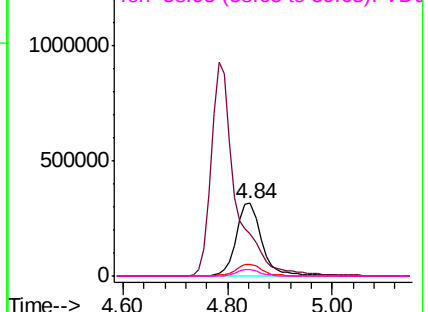
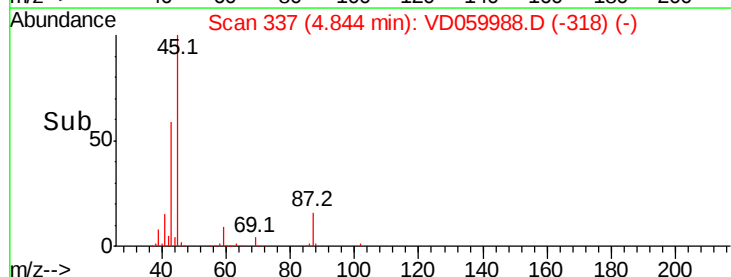
43 58.8 48.6 72.8

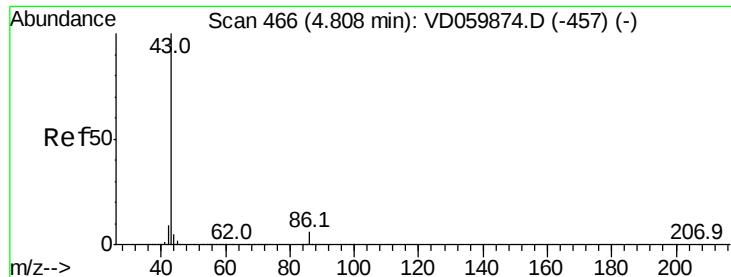
87 16.4 13.3 19.9

59 8.9 7.1 10.7



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: 100.176 ug/l

RT: 4.78 min Scan# 331

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

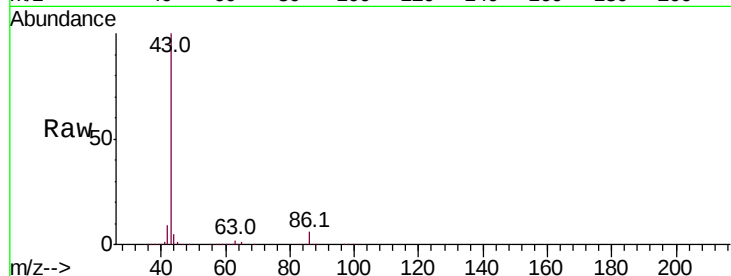
ClientSampleId :

Tot Ion: 43 Resp: 2989244

Ion Ratio Lower Upper

43 100

86 5.9 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.78

1000000

800000

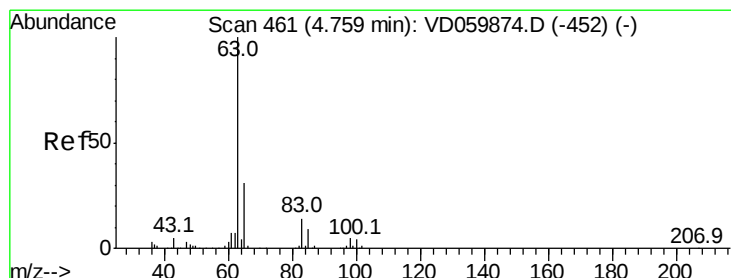
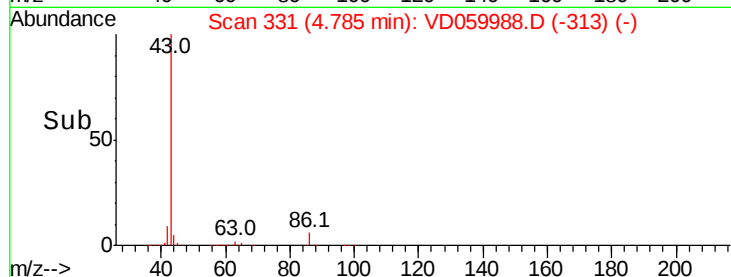
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.636 ug/l

RT: 4.74 min Scan# 326

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

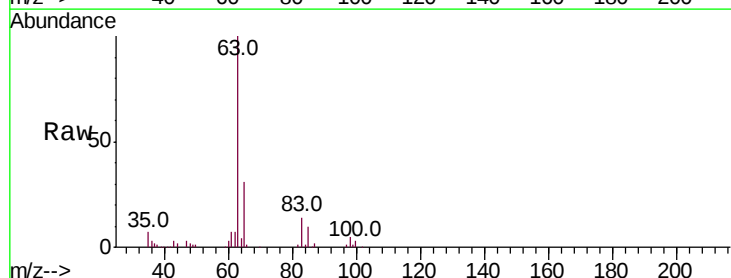
Tgt Ion: 63 Resp: 452809

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

100 3.1 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.74

200000

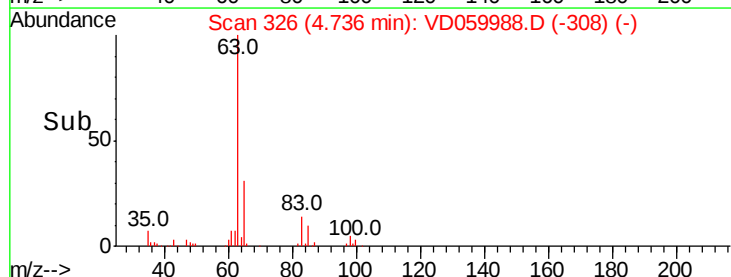
150000

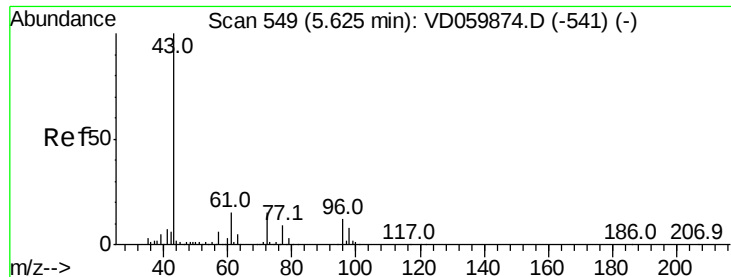
100000

50000

0

Time-->





#25

2-Butanone

Concen: 84.705 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

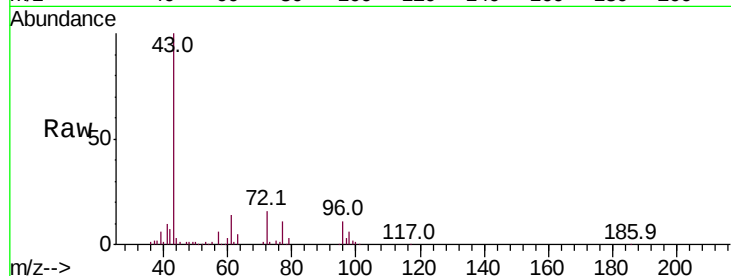
ClientSampleId :

Tot Ion: 43 Resp: 508913

Ion Ratio Lower Upper

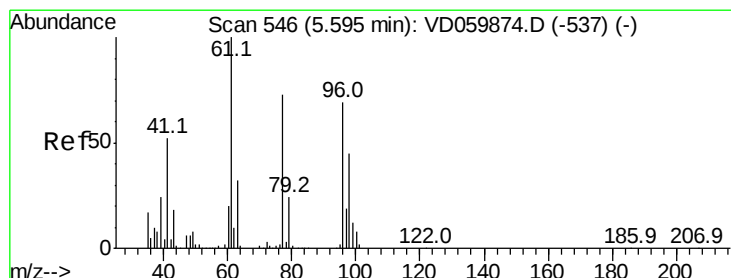
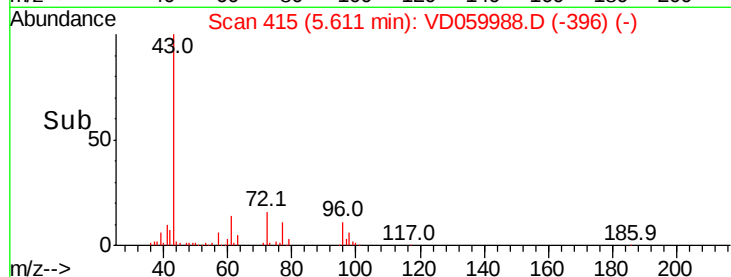
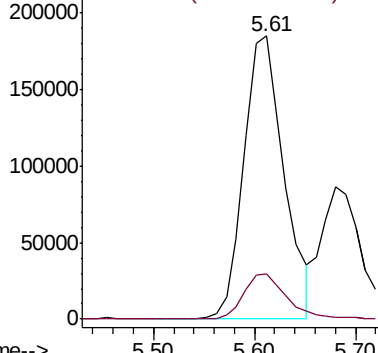
43 100

72 16.0 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.247 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.02 min

Lab File: VD059988.D

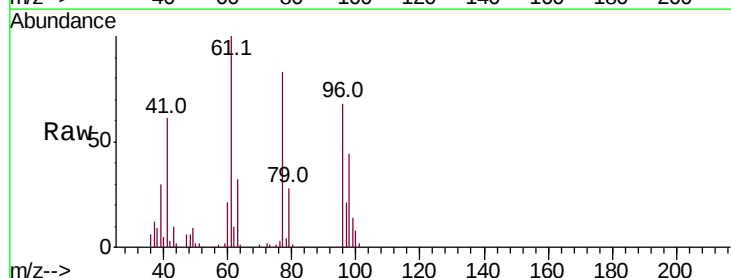
Acq: 10 Sep 2018 12:58

Tgt Ion: 77 Resp: 371046

Ion Ratio Lower Upper

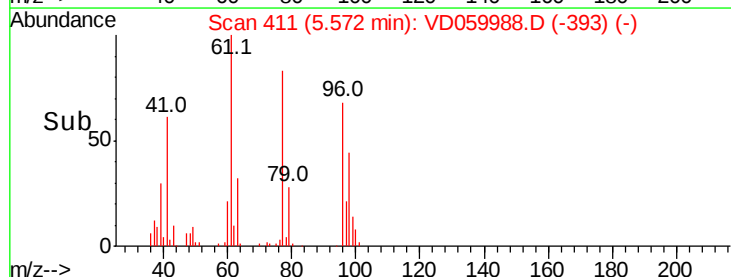
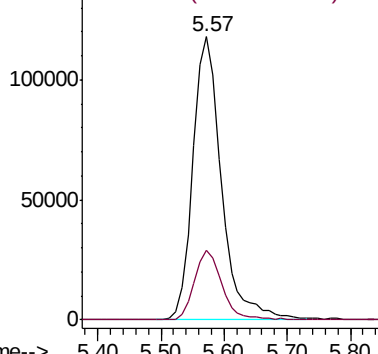
77 100

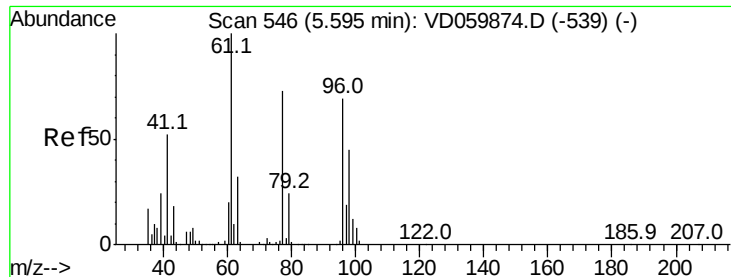
97 24.7 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



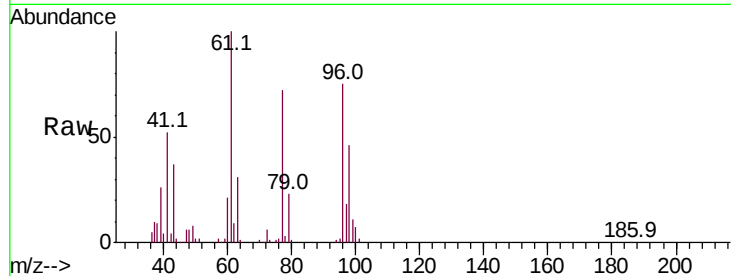


#27

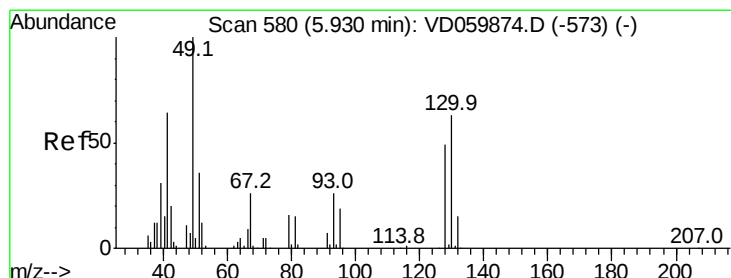
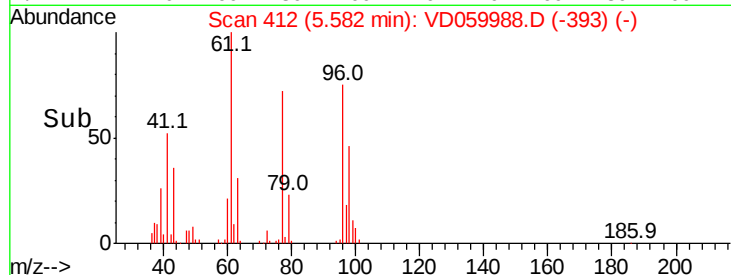
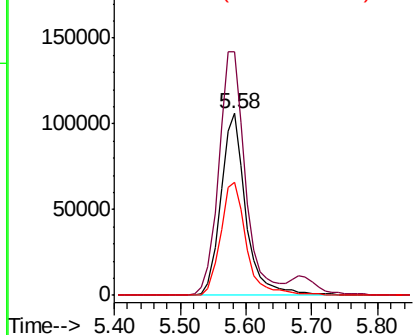
cis-1,2-Dichloroethene
Concen: 20.114 ug/l
RT: 5.58 min Scan# 412
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 280736
Ion Ratio Lower Upper
96 100
61 134.0 0.0 290.2
98 62.3 0.0 130.4



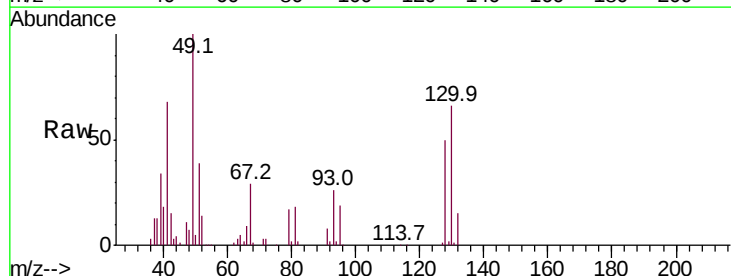
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



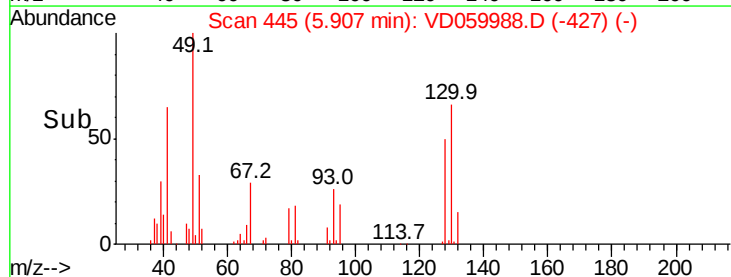
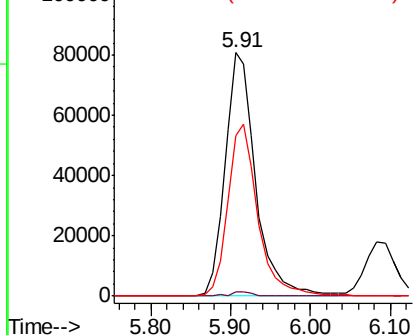
#28

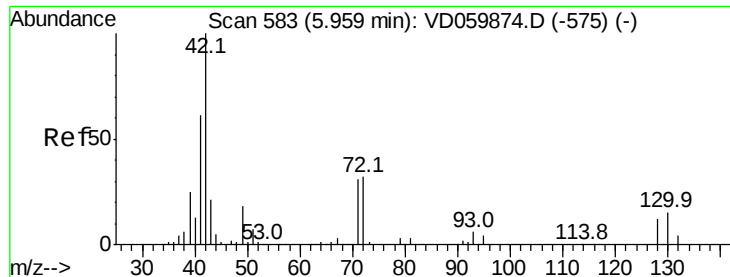
Bromochloromethane
Concen: 19.596 ug/l
RT: 5.91 min Scan# 445
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 49 Resp: 216579
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.2
130 66.1 50.6 75.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 97.967 ug/l

RT: 5.95 min Scan# 449

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampled :

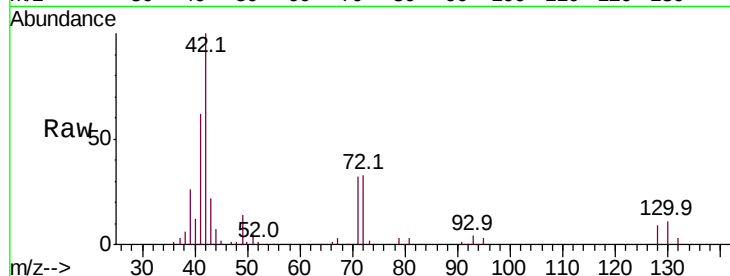
Tot Ion: 42 Resp: 280215

Ion Ratio Lower Upper

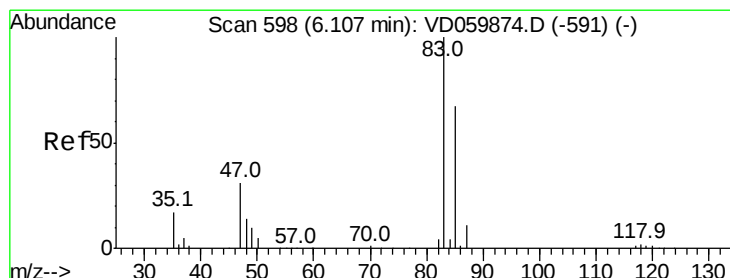
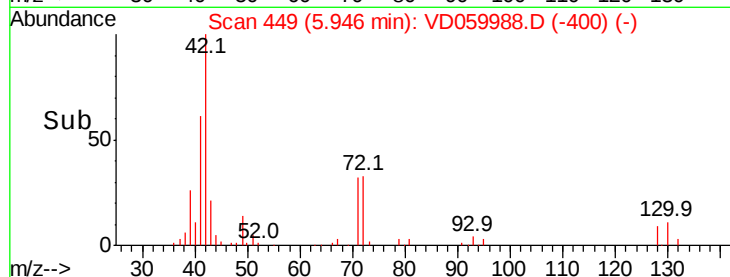
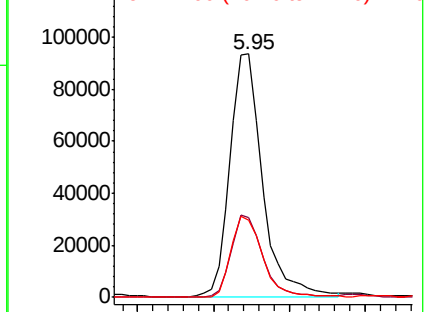
42 100

72 32.7 25.7 38.5

71 32.4 25.3 37.9



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.633 ug/l

RT: 6.08 min Scan# 463

Delta R.T. -0.02 min

Lab File: VD059988.D

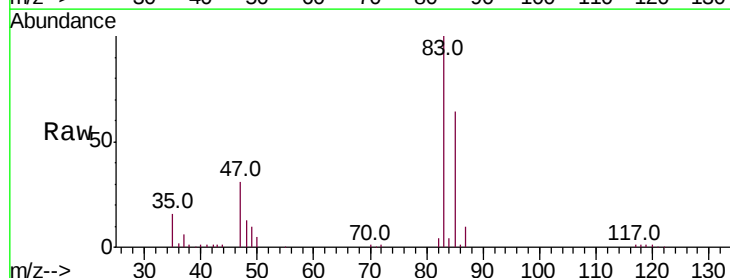
Acq: 10 Sep 2018 12:58

Tgt Ion: 83 Resp: 483561

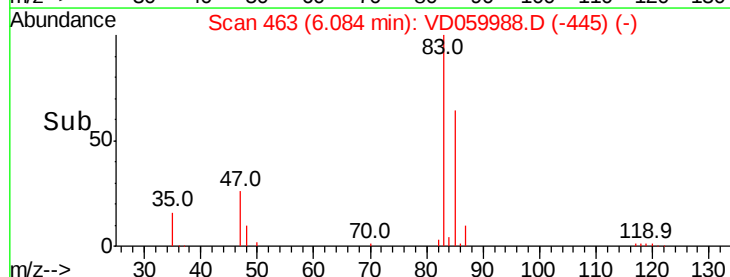
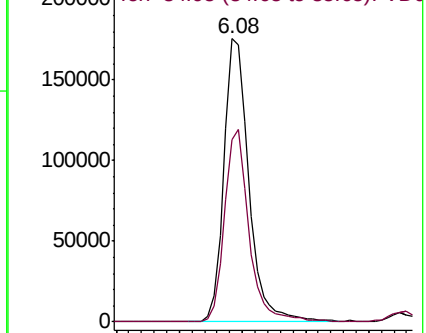
Ion Ratio Lower Upper

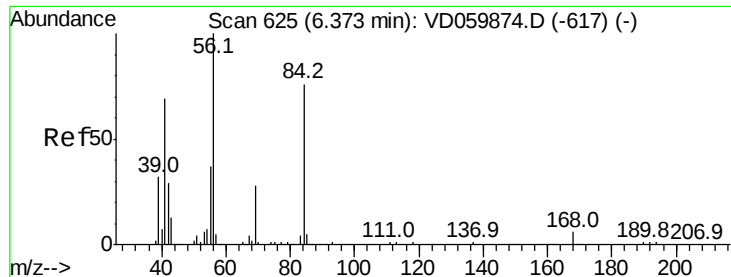
83 100

85 64.5 53.5 80.3



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

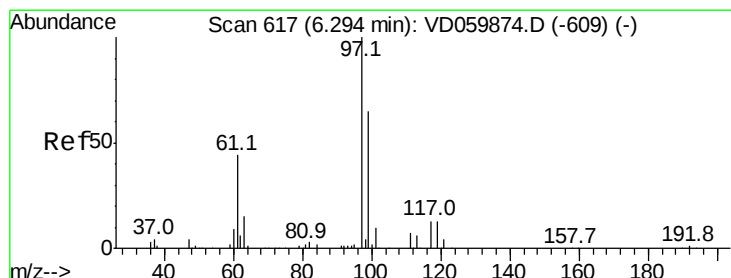
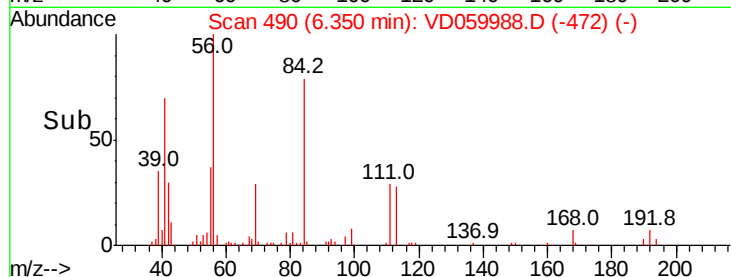
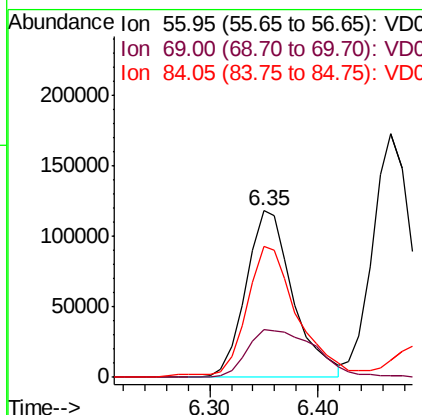
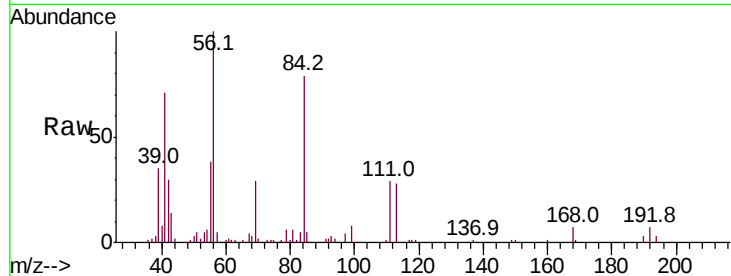




#31
Cyclohexane
Concen: 17.027 ug/l
RT: 6.35 min Scan# 490
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

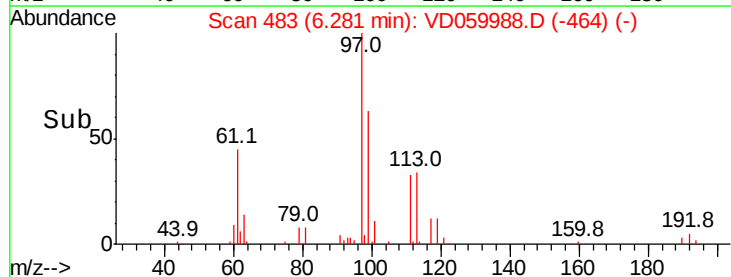
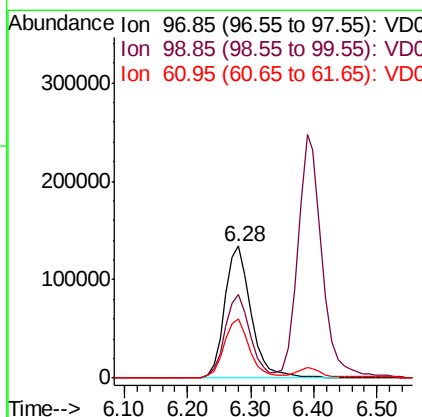
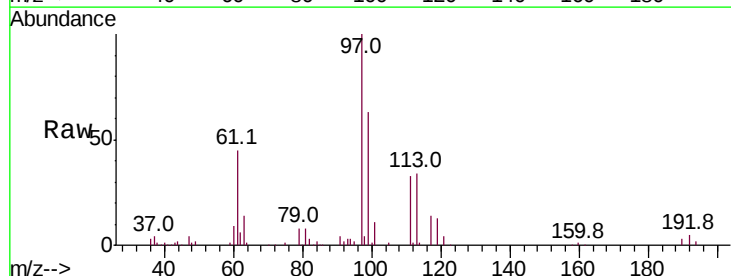
Instrument :
MSVOA_D
ClientSampleId :

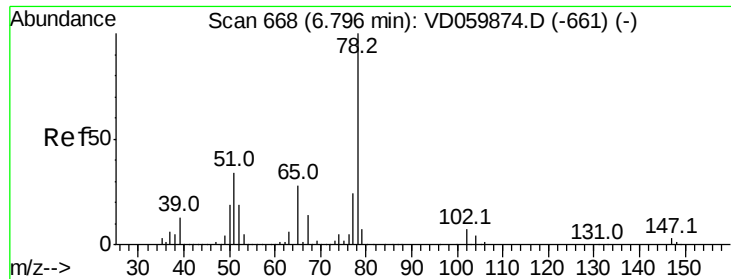
Tot Ion: 56 Resp: 360980
Ion Ratio Lower Upper
56 100
69 28.6 22.4 33.6
84 78.7 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 19.518 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 97 Resp: 388229
Ion Ratio Lower Upper
97 100
99 63.5 51.7 77.5
61 45.1 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 19.518 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

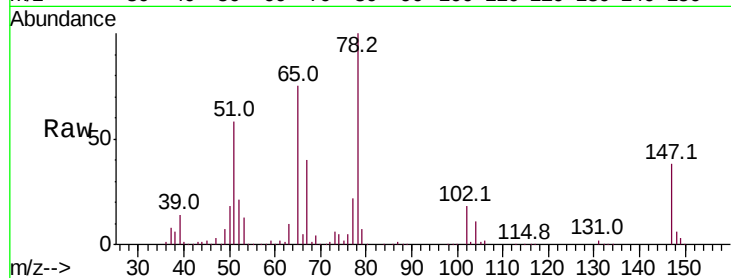
ClientSampleId :

Tot Ion: 65 Resp: 540585

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

250000

200000

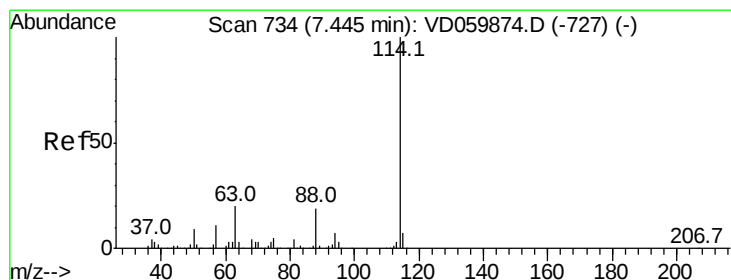
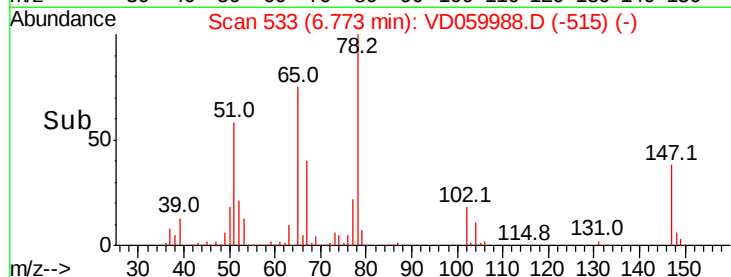
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

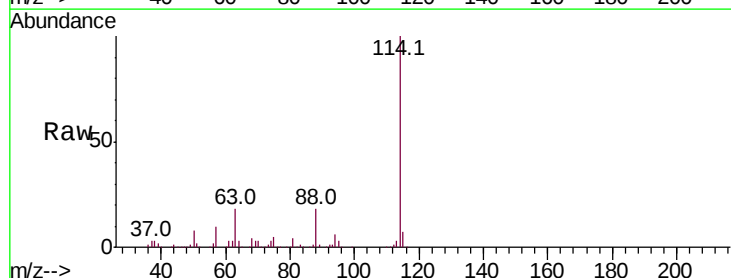
Tgt Ion:114 Resp: 1826731

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.4

88 18.3 0.0 37.6



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

1000000

800000

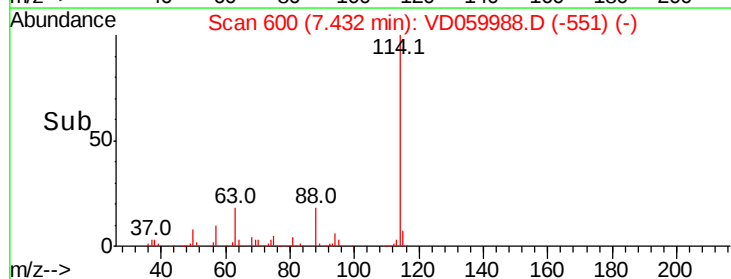
600000

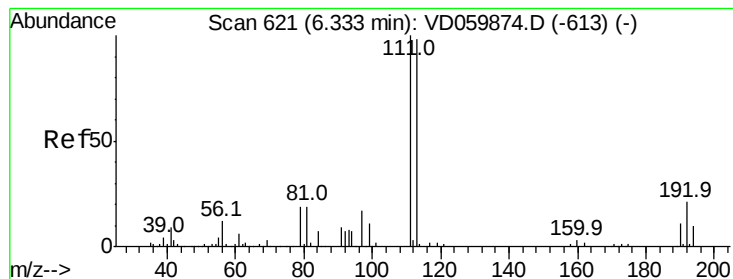
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampled :

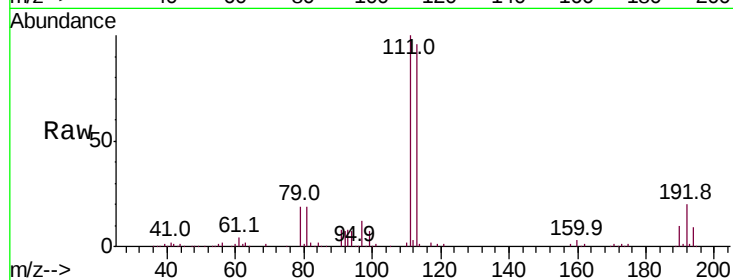
Tot Ion:113 Resp: 721120

Ion Ratio Lower Upper

113 100

111 104.5 81.4 122.2

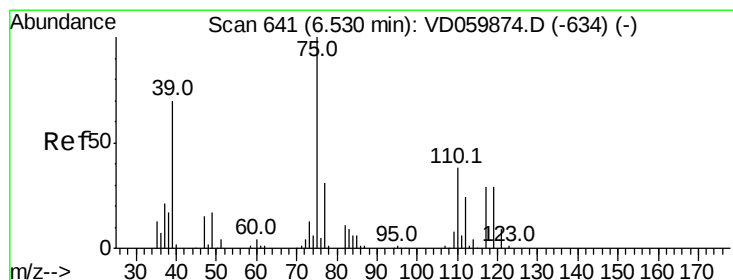
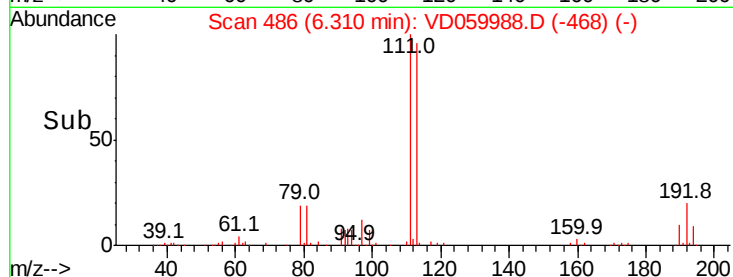
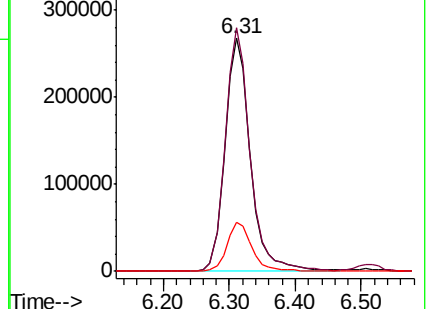
192 21.3 17.0 25.6



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: 19.338 ug/l

RT: 6.51 min Scan# 506

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

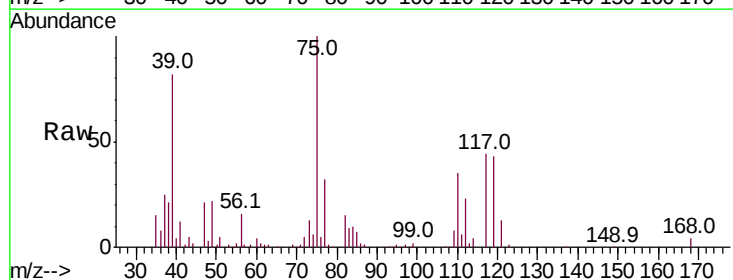
Tgt Ion: 75 Resp: 320219

Ion Ratio Lower Upper

75 100

110 35.3 18.6 56.0

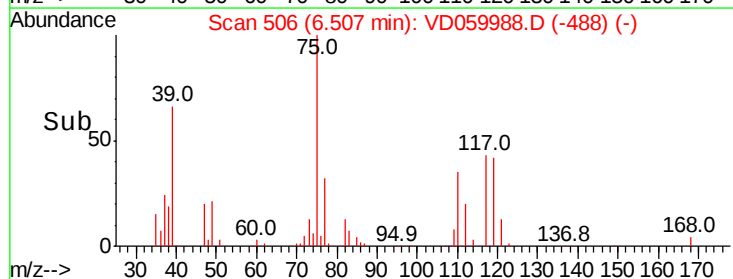
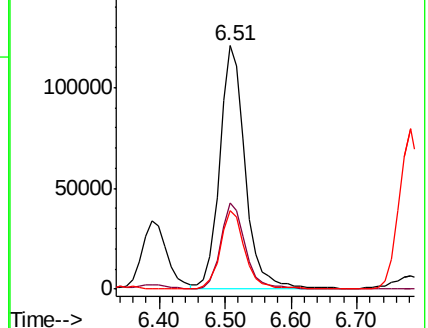
77 32.4 25.1 37.7

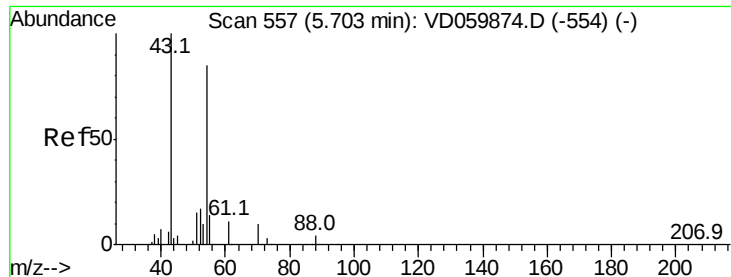


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

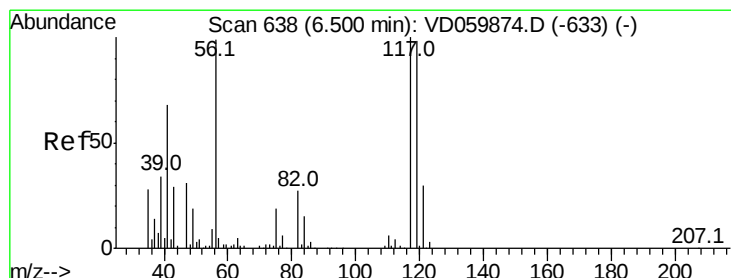
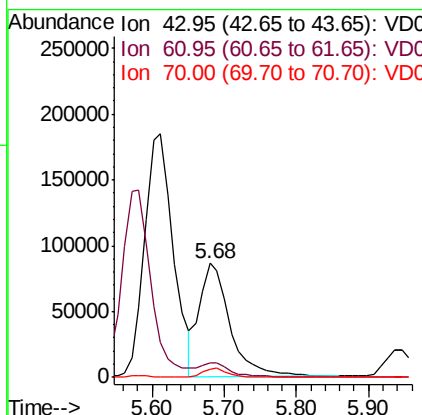
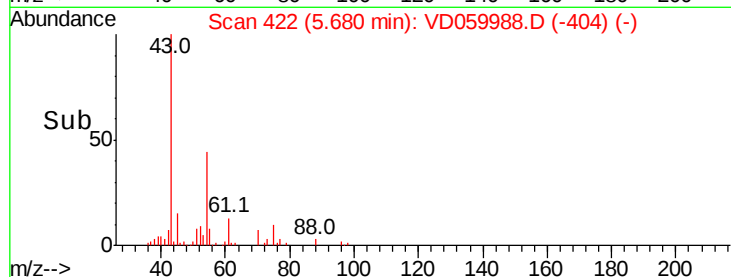
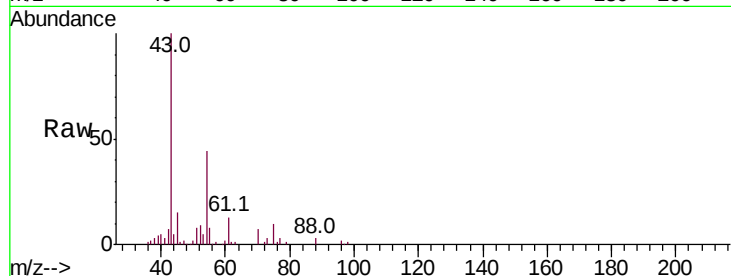




#37
Ethyl Acetate
Concen: 19.360 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

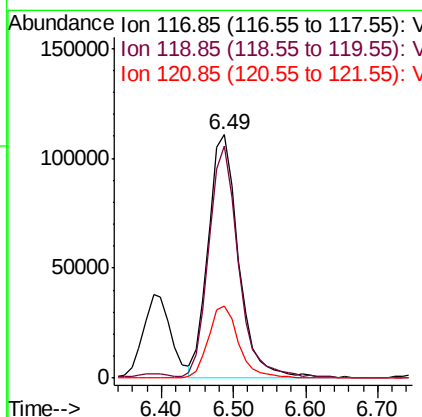
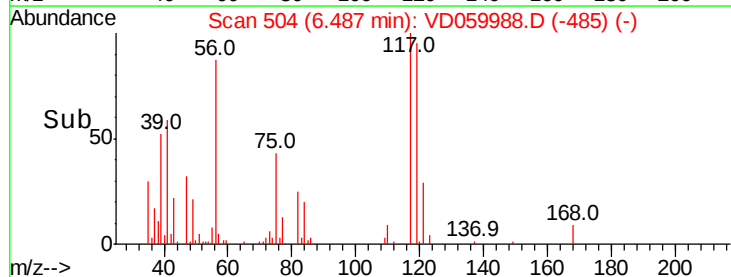
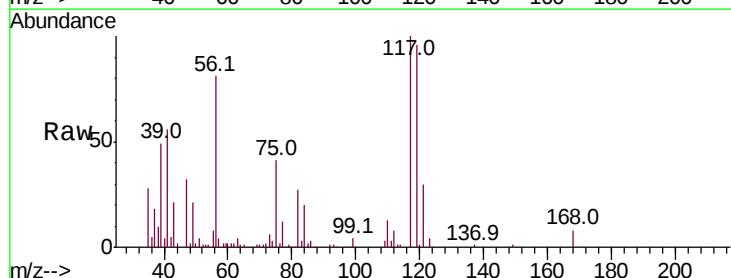
Instrument :
MSVOA_D
ClientSampled :

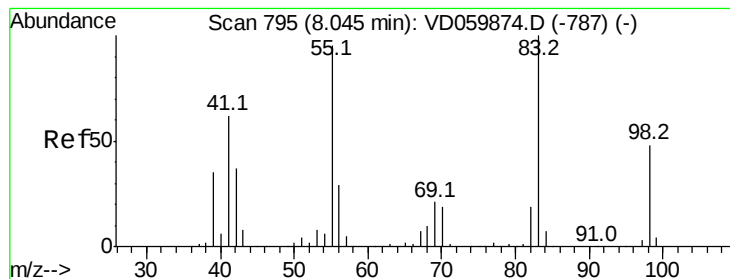
Tot Ion: 43 Resp: 249470
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.6
70 6.9 5.7 8.5



#38
Carbon Tetrachloride
Concen: 18.964 ug/l
RT: 6.49 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 117 Resp: 316914
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 29.7 24.0 36.0





#39

Methvlcvclohexane

Concen: 17.955 ug/l

RT: 8.03 min Scan# 661

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

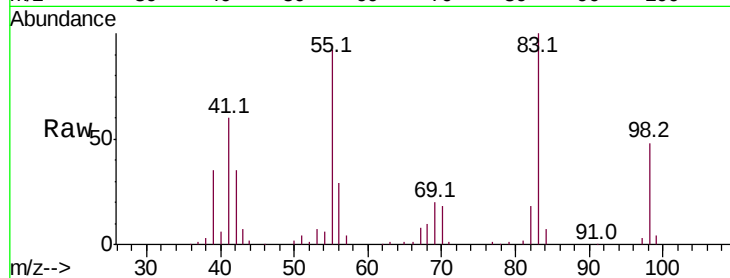
Tot Ion: 83 Resp: 321236

Ion Ratio Lower Upper

83 100

55 92.0 75.8 113.6

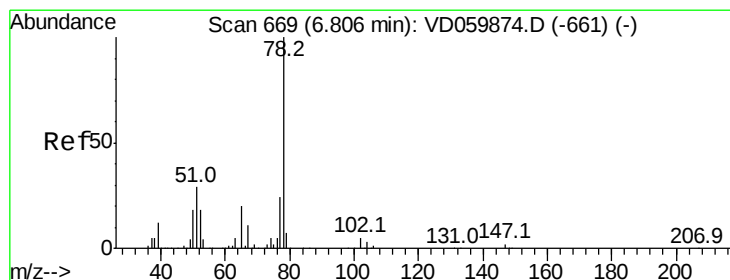
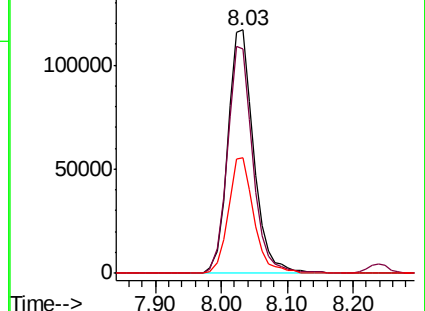
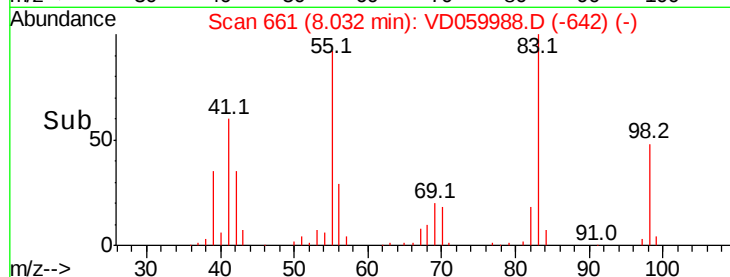
98 47.5 38.3 57.5



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: 19.660 ug/l

RT: 6.78 min Scan# 534

Delta R.T. -0.02 min

Lab File: VD059988.D

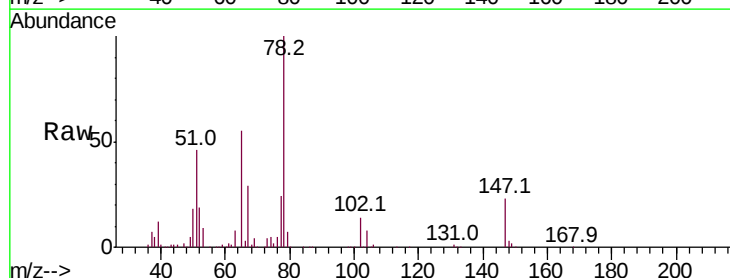
Acq: 10 Sep 2018 12:58

Tgt Ion: 78 Resp: 846523

Ion Ratio Lower Upper

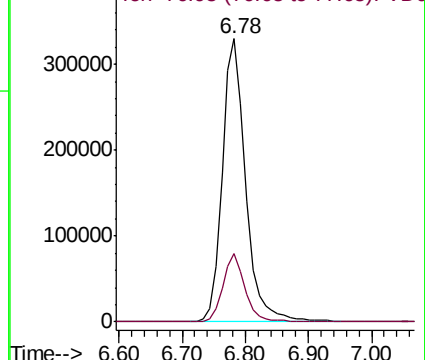
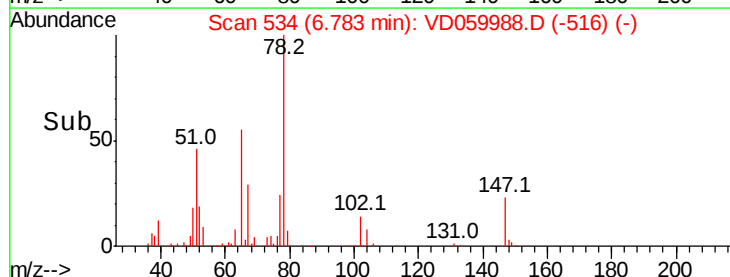
78 100

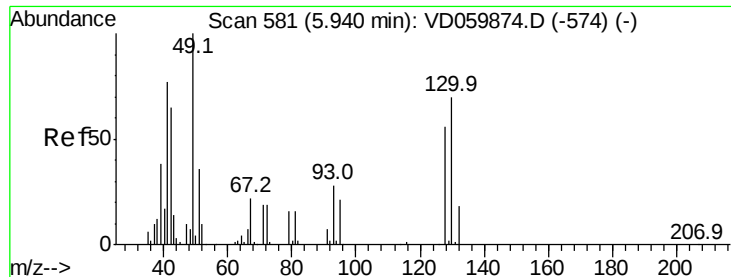
77 24.2 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

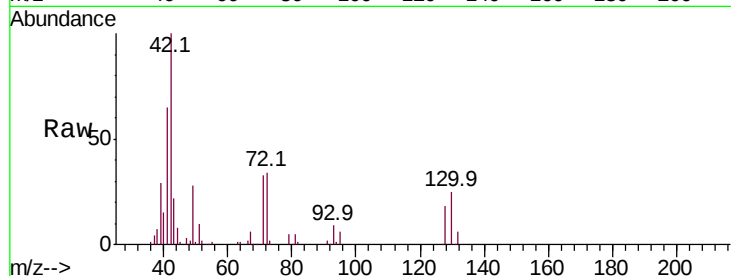




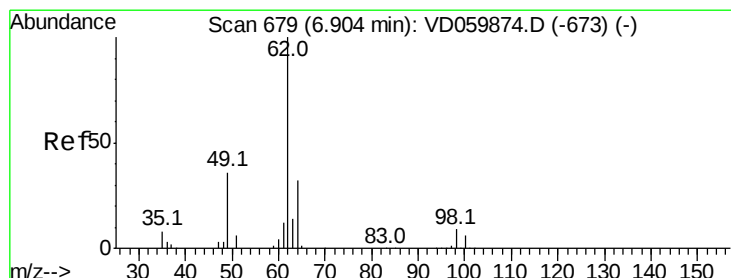
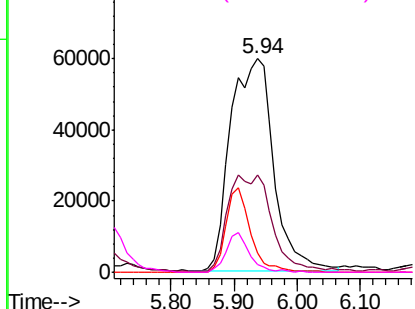
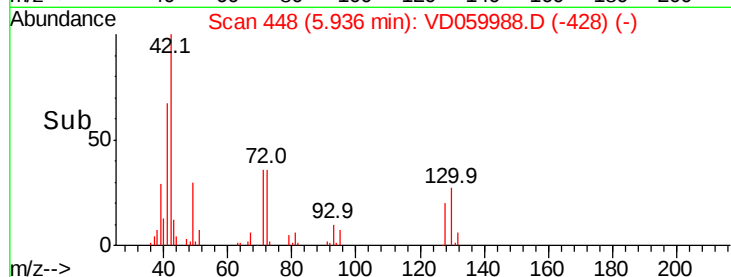
#41
Methacrylonitrile
Concen: 43.616 ug/l
RT: 5.94 min Scan# 448
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 283110
Ion Ratio Lower Upper
41 100
39 45.7 39.4 59.2
67 9.2 22.2 33.2#
52 3.5 10.1 15.1#

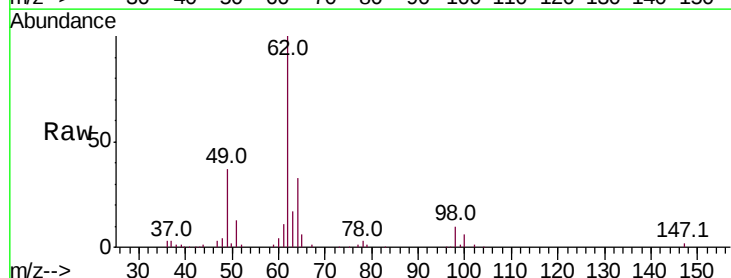


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

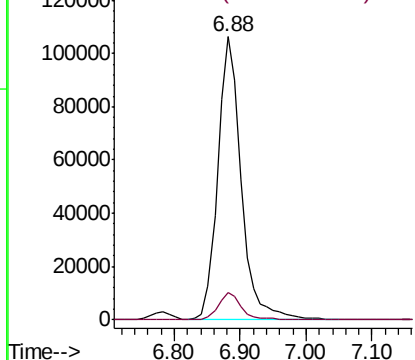
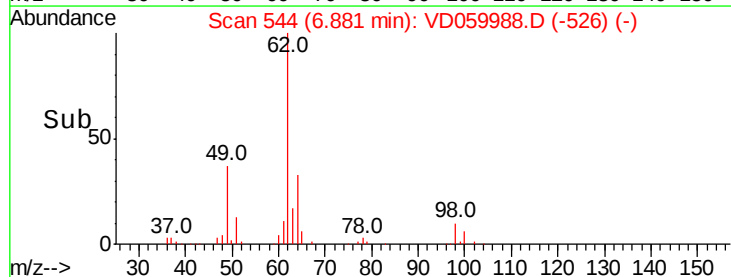


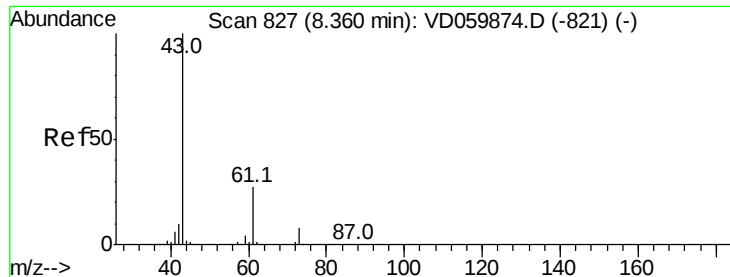
#42
1,2-Dichloroethane
Concen: 19.118 ug/l
RT: 6.88 min Scan# 544
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 62 Resp: 264263
Ion Ratio Lower Upper
62 100
98 9.8 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 18.848 ug/l

RT: 8.34 min Scan# 692

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

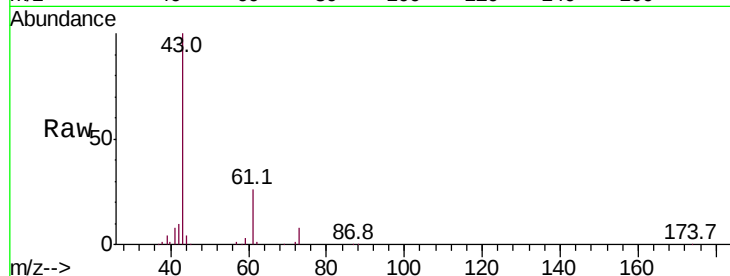
Tot Ion: 43 Resp: 315975

Ion Ratio Lower Upper

43 100

61 25.9 21.4 32.2

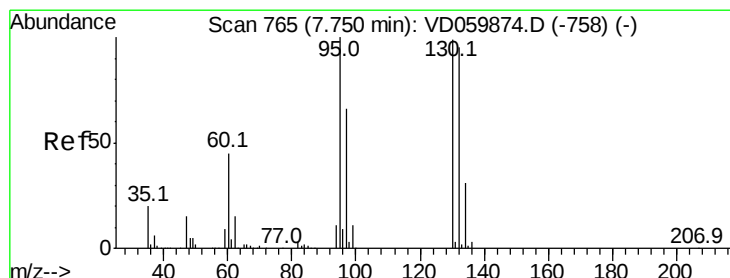
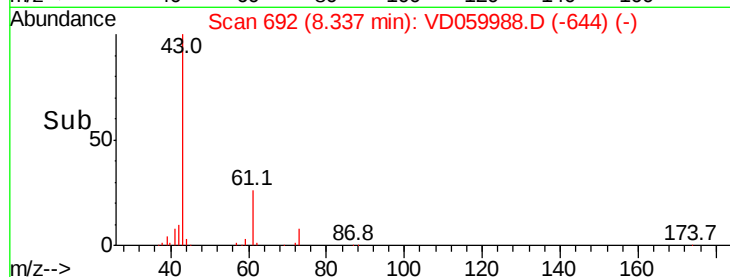
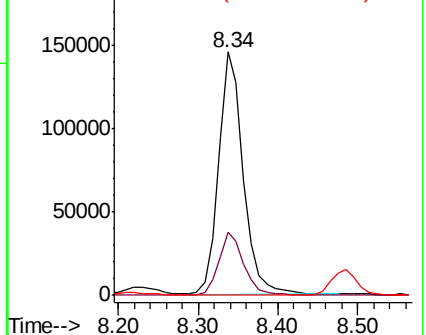
87 0.3 0.2 0.4



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: 19.853 ug/l

RT: 7.73 min Scan# 630

Delta R.T. -0.02 min

Lab File: VD059988.D

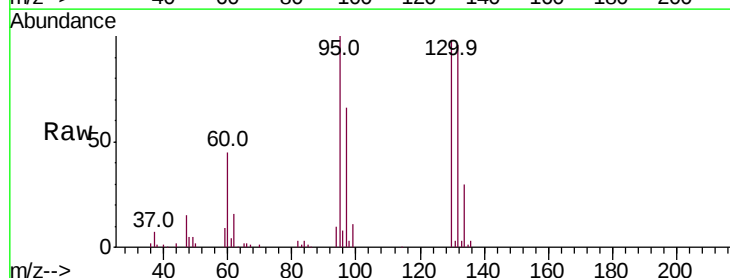
Acq: 10 Sep 2018 12:58

Tgt Ion: 130 Resp: 251692

Ion Ratio Lower Upper

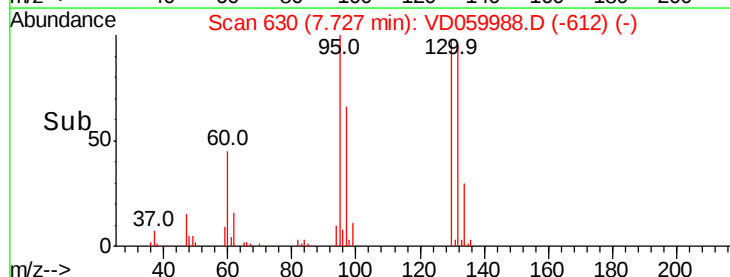
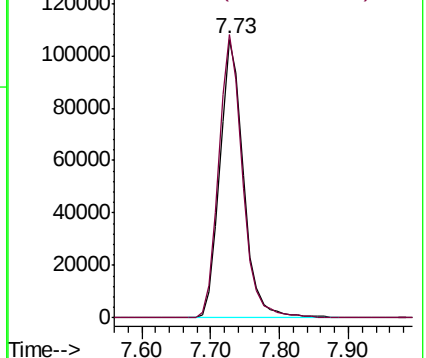
130 100

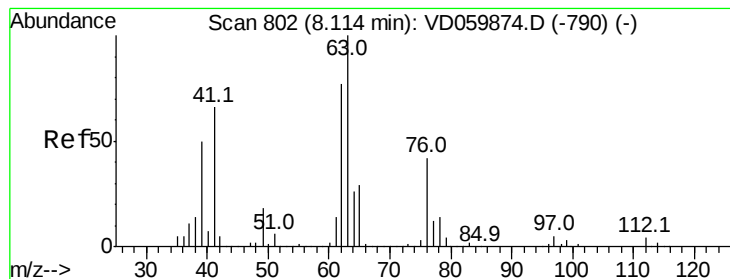
95 101.7 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.030 ug/l

RT: 8.09 min Scan# 667

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

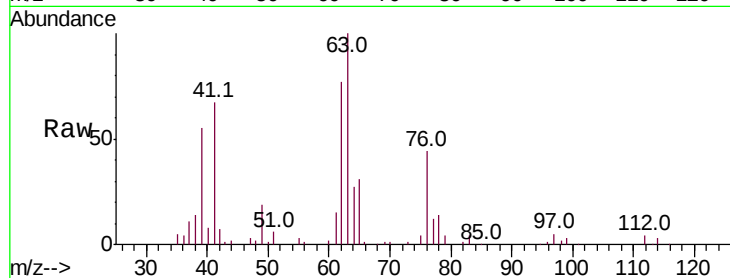
ClientSampled :

Tot Ion: 63 Resp: 241069

Ion Ratio Lower Upper

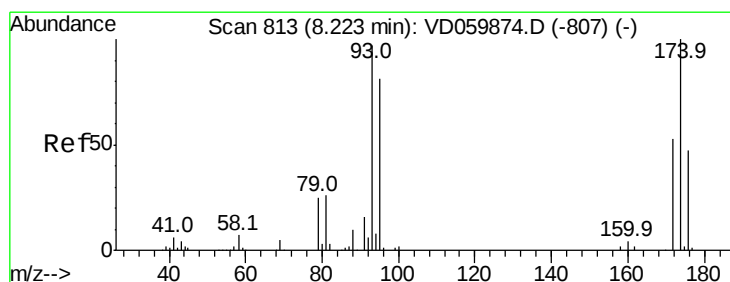
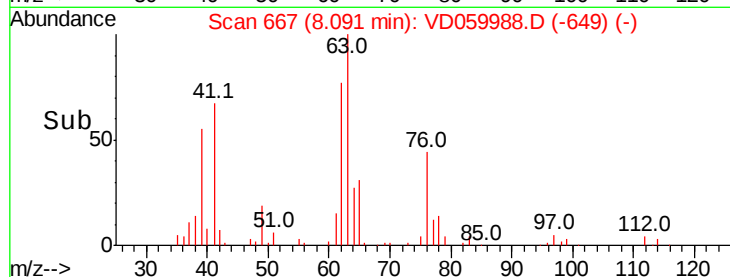
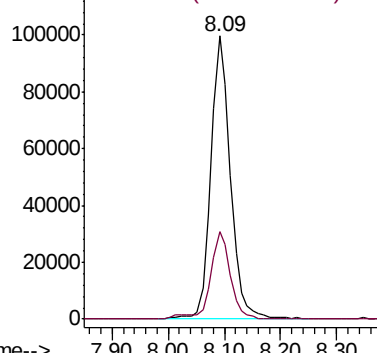
63 100

65 31.0 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.502 ug/l

RT: 8.21 min Scan# 679

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

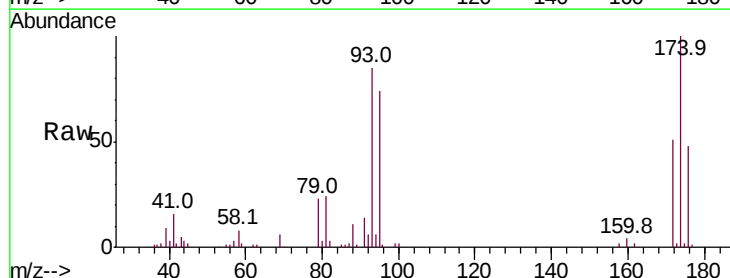
Tgt Ion: 93 Resp: 150921

Ion Ratio Lower Upper

93 100

95 87.3 66.6 100.0

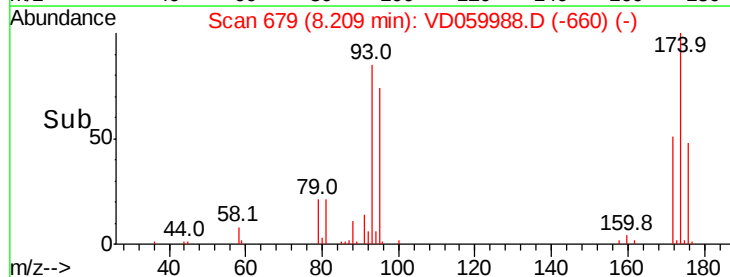
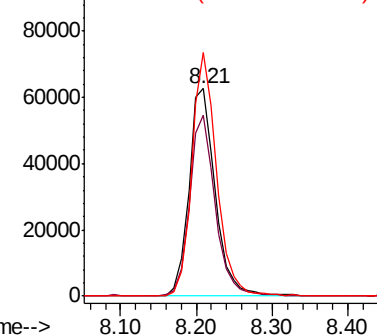
174 117.4 82.4 123.6

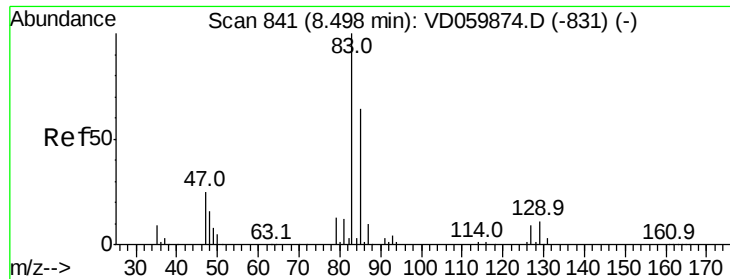


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.640 ug/l

RT: 8.49 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

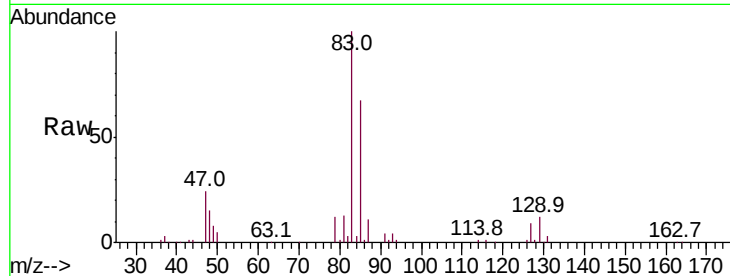
Tot Ion: 83 Resp: 344072

Ion Ratio Lower Upper

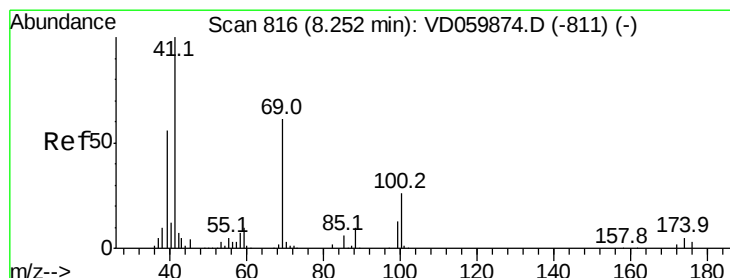
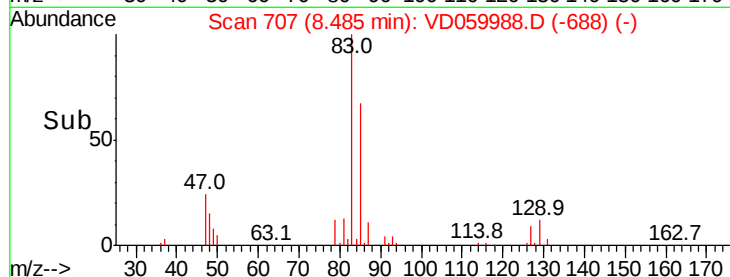
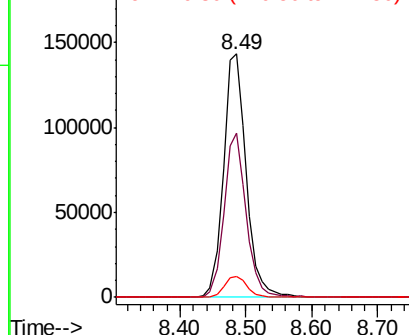
83 100

85 67.3 51.3 76.9

127 8.7 7.0 10.4



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: 18.660 ug/l

RT: 8.24 min Scan# 682

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

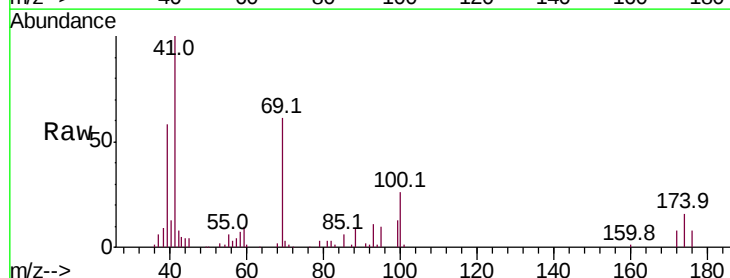
Tgt Ion: 41 Resp: 182352

Ion Ratio Lower Upper

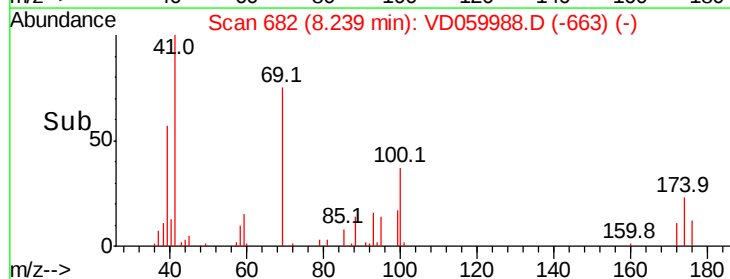
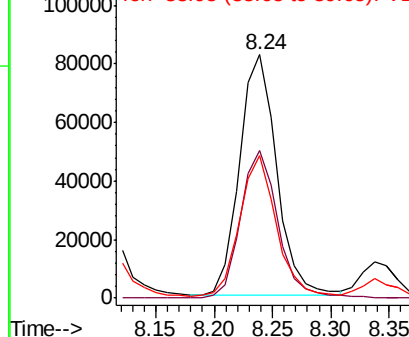
41 100

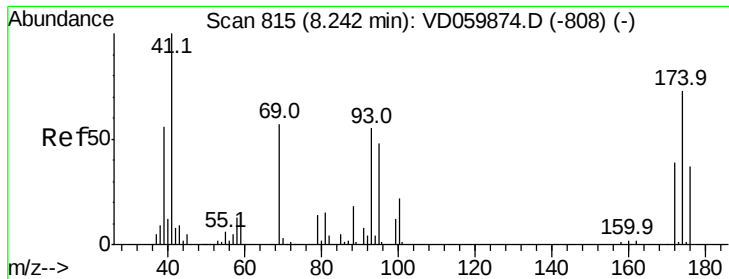
69 60.9 48.0 72.0

39 58.4 45.4 68.0



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: 409.016 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :

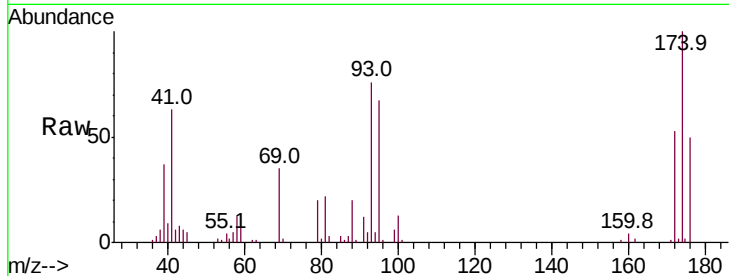
Tot Ion: 88 Resp: 35685

Ion Ratio Lower Upper

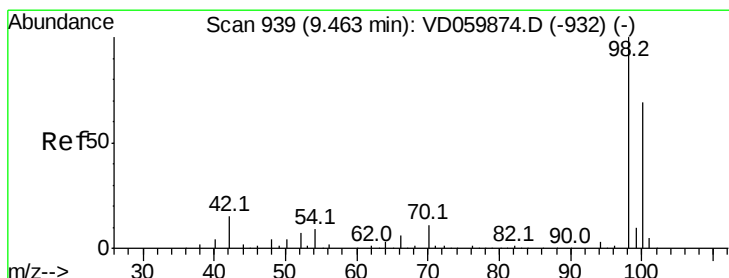
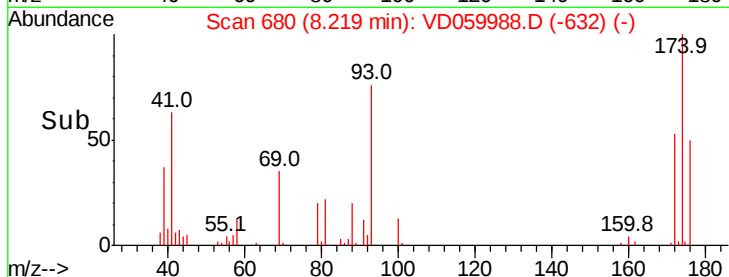
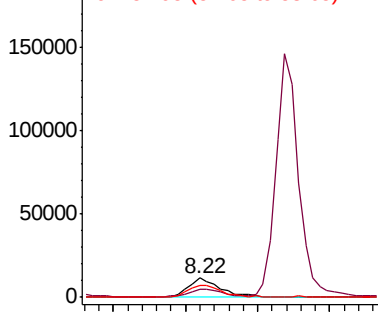
88 100

43 40.6 45.0 67.6#

58 59.2 55.8 83.8



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: 409.016 ug/l

RT: 9.45 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD059988.D

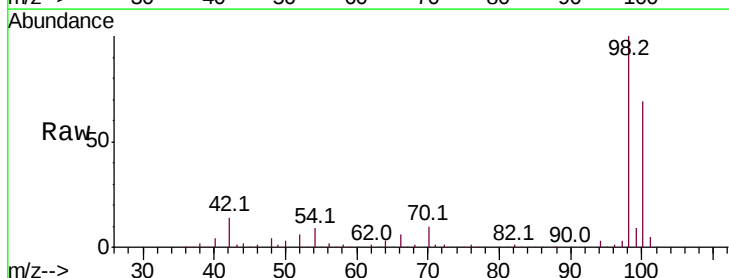
Acq: 10 Sep 2018 12:58

Tgt Ion: 98 Resp: 1932727

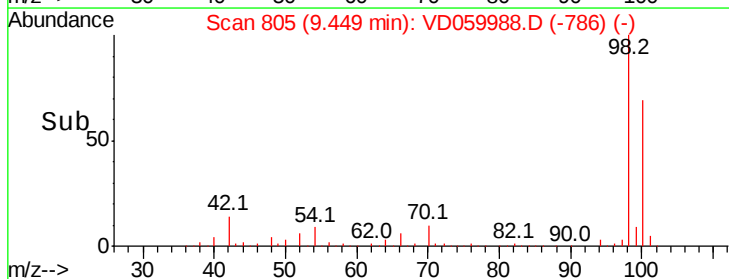
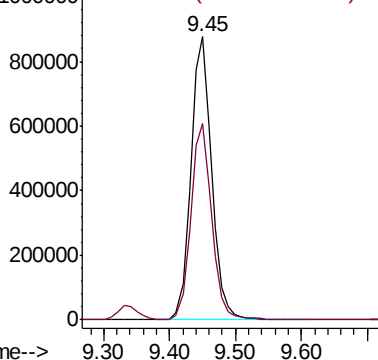
Ion Ratio Lower Upper

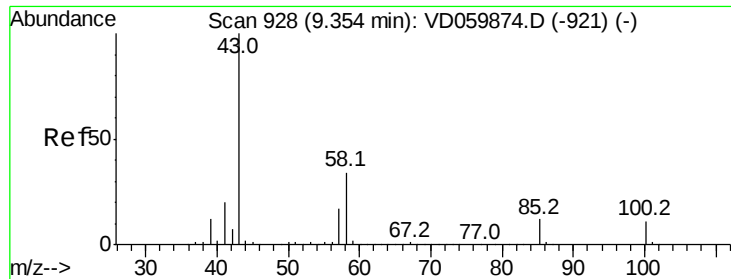
98 100

100 69.2 55.8 83.6



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: 83.693 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

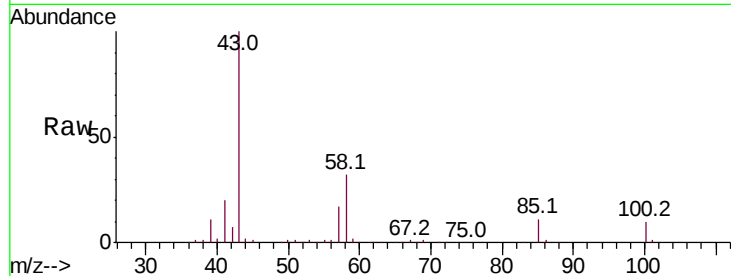
ClientSampled :

Tot Ion: 43 Resp: 1045994

Ion Ratio Lower Upper

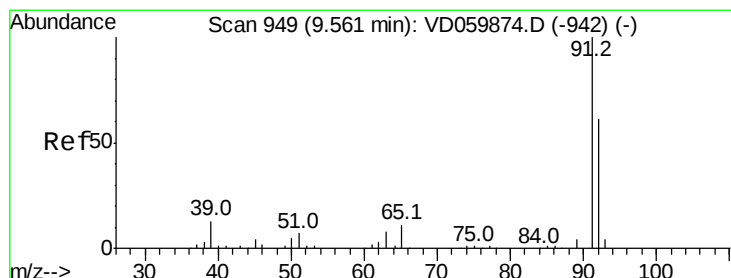
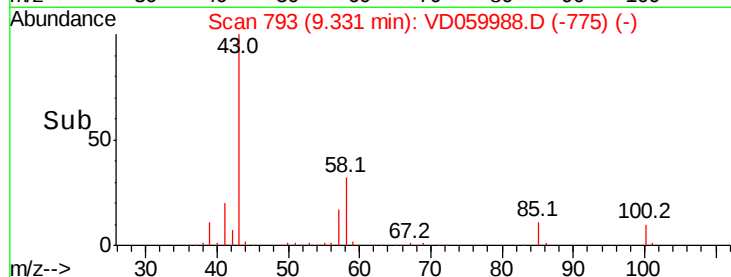
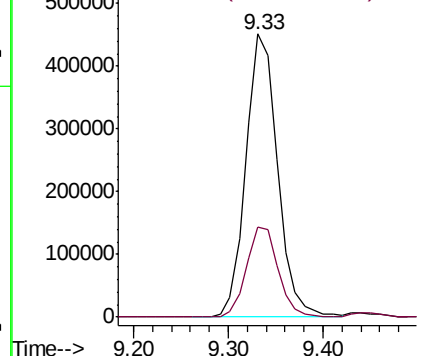
43 100

58 32.0 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.198 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD059988.D

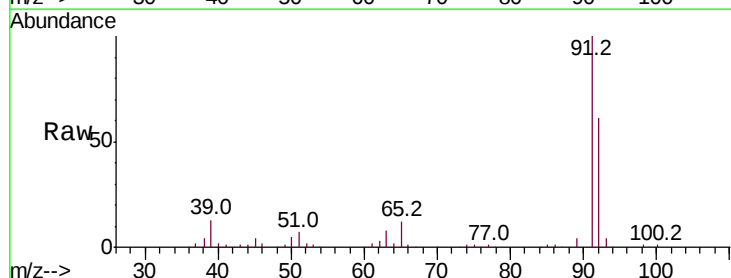
Acq: 10 Sep 2018 12:58

Tgt Ion: 92 Resp: 557675

Ion Ratio Lower Upper

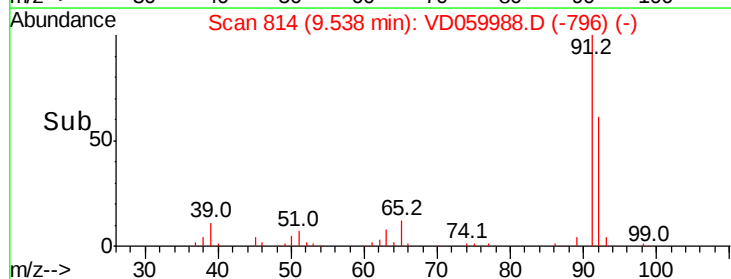
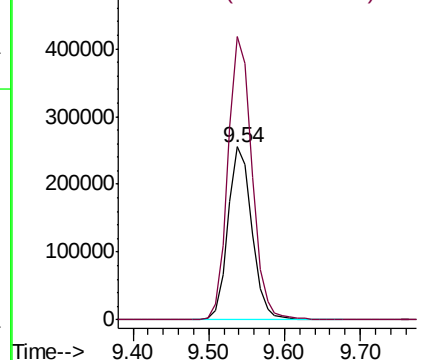
92 100

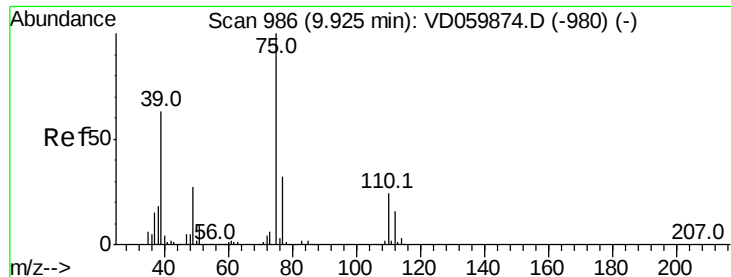
91 163.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

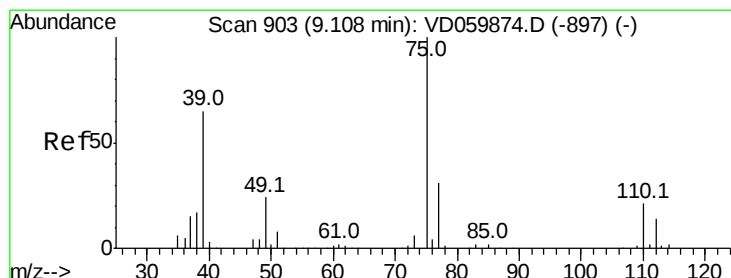
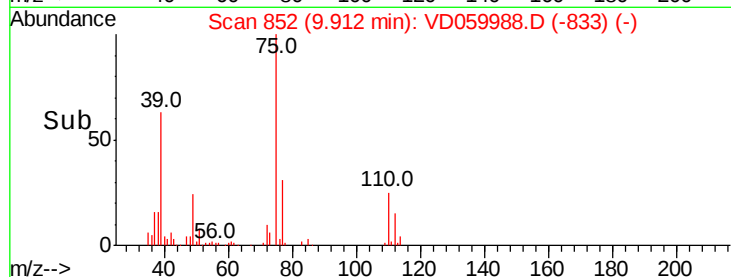
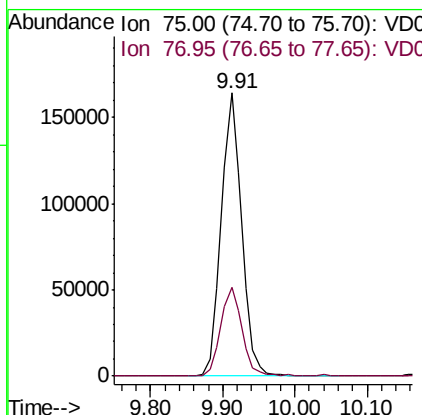
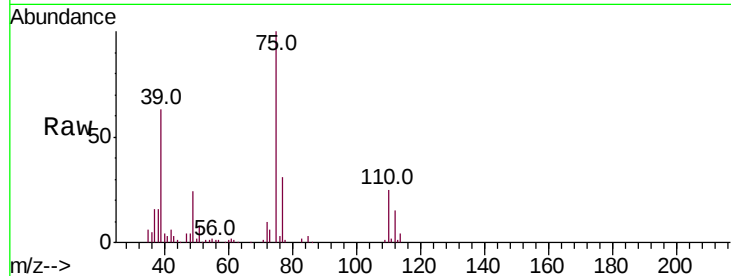




#53
t-1,3-Dichloropropene
Concen: 19.781 ug/l
RT: 9.91 min Scan# 852
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

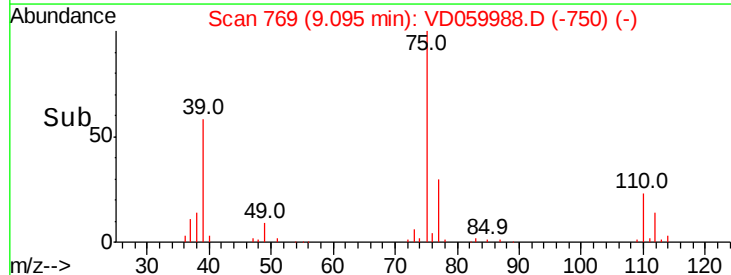
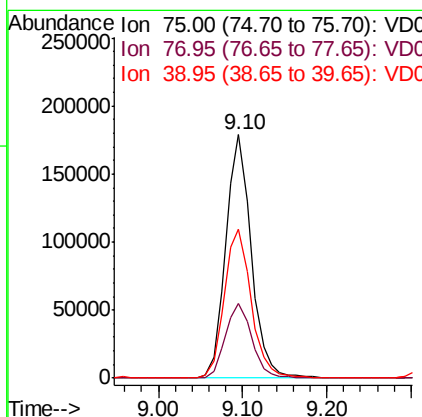
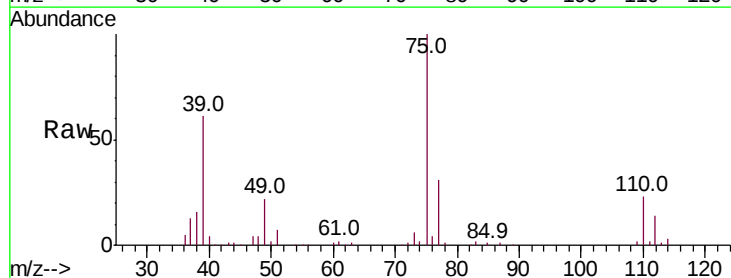
Instrument :
MSVOA_D
ClientSampled :

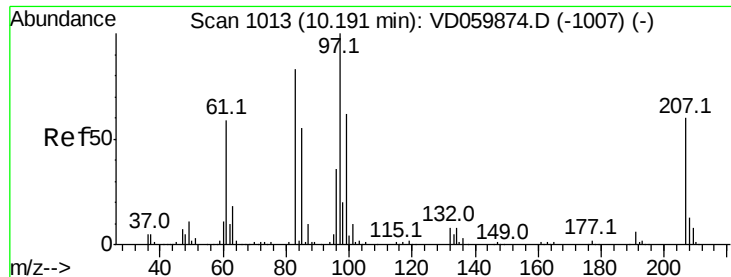
Tot Ion: 75 Resp: 320531
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 19.989 ug/l
RT: 9.10 min Scan# 769
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 75 Resp: 375535
Ion Ratio Lower Upper
75 100
77 30.5 24.8 37.2
39 61.3 52.1 78.1

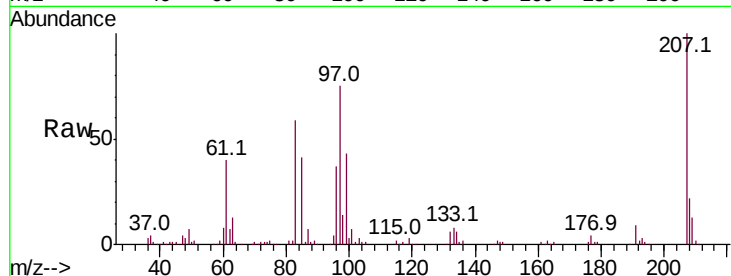




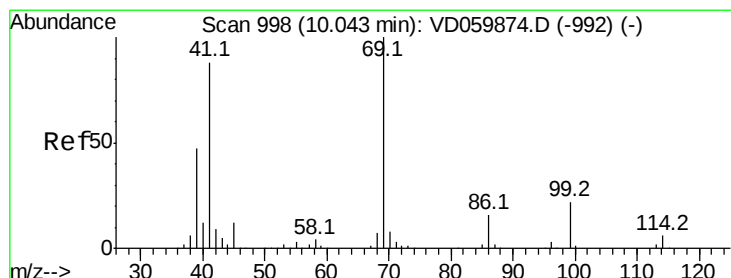
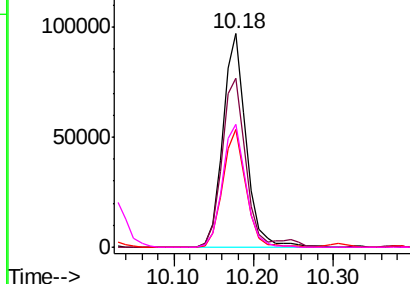
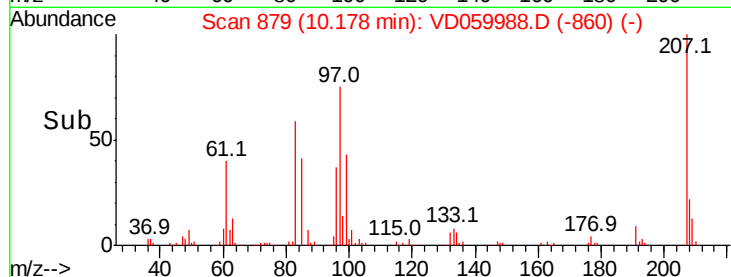
#55
 1,1,2-Trichloroethane
 Concen: 19.751 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	97	Resp:	199336
Ion	Ratio	Lower	Upper
97	100		
83	79.2	66.7	100.1
85	55.0	43.8	65.6
99	57.7	49.8	74.6

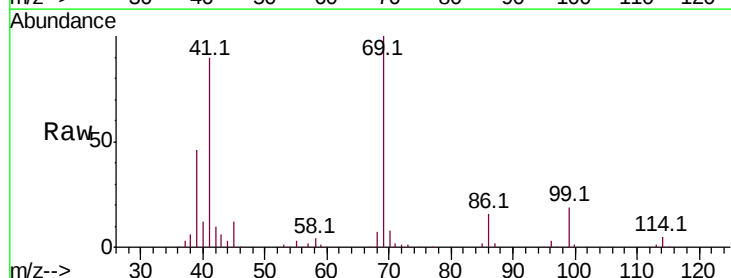


Abundance Ion 96.85 (96.55 to 97.55): VDC
 150000 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

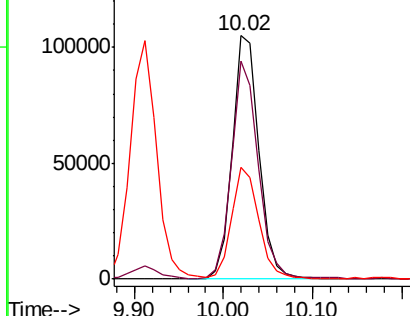
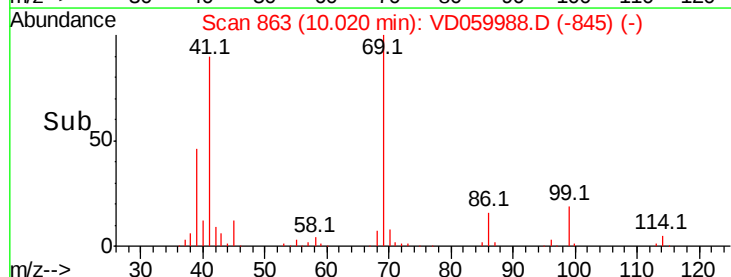


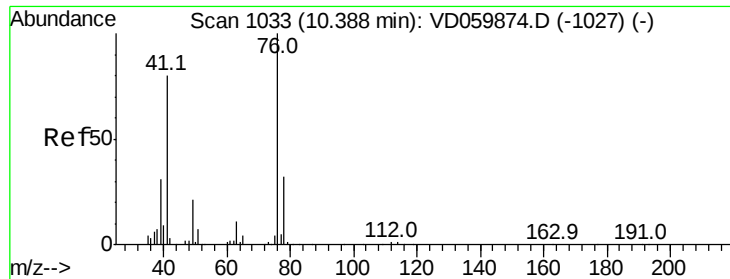
#56
 Ethyl methacrylate
 Concen: 18.978 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion:	69	Resp:	221050
Ion	Ratio	Lower	Upper
69	100		
41	89.5	71.0	106.4
39	46.0	38.5	57.7



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

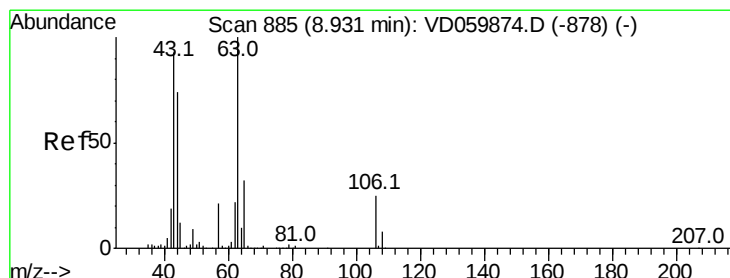
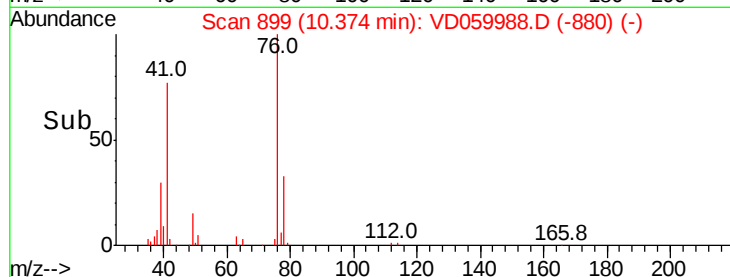
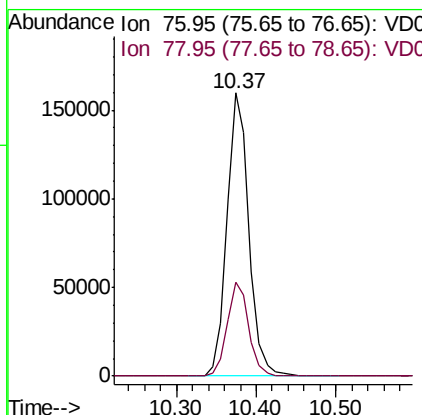
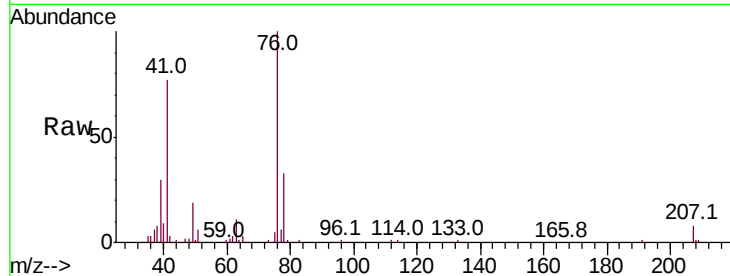




#57
 1,3-Dichloropropane
 Concen: 21.018 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

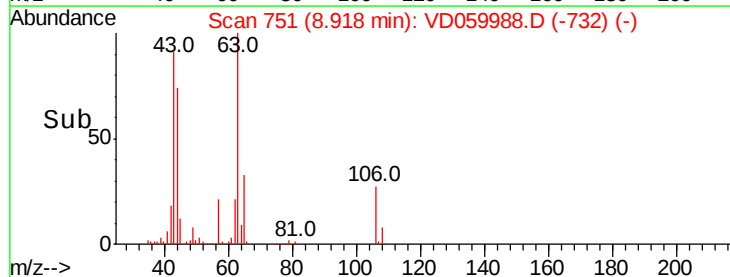
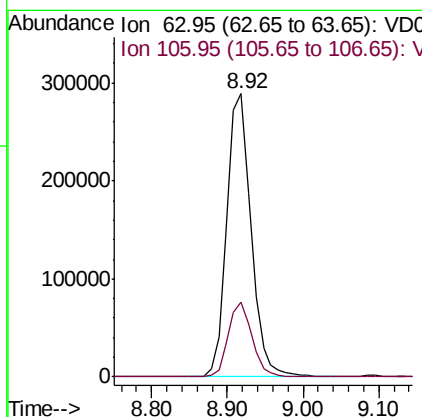
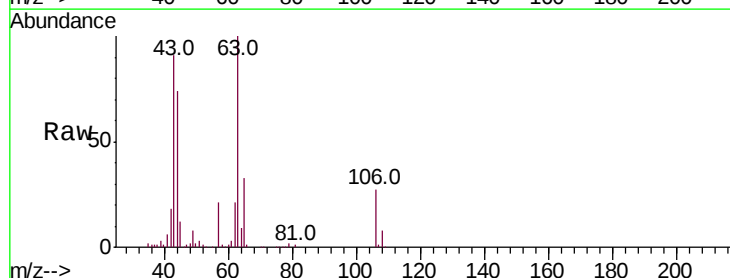
Instrument :
 MSVOA_D
 ClientSampleId :

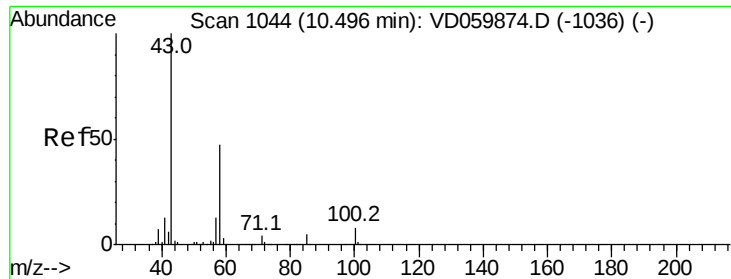
Tot Ion: 76 Resp: 307026
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.107 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion: 63 Resp: 637584
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.1 30.1

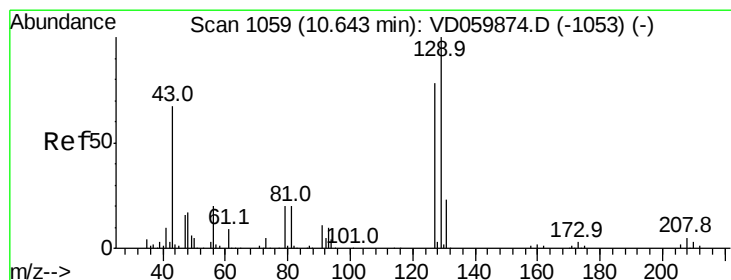
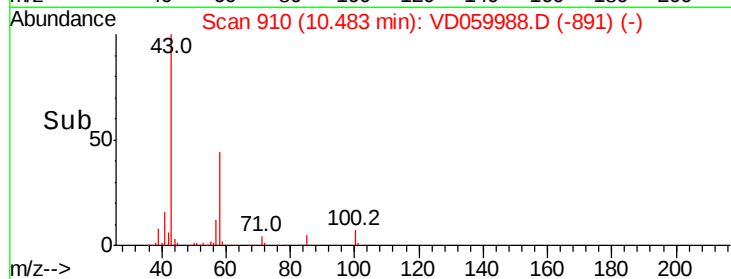
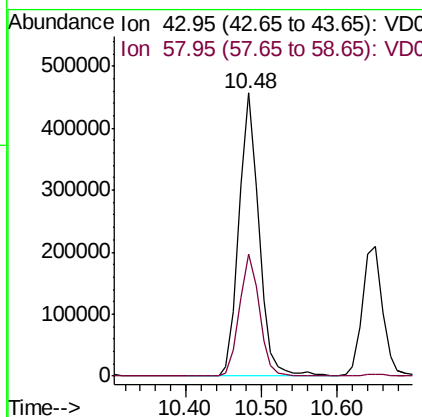
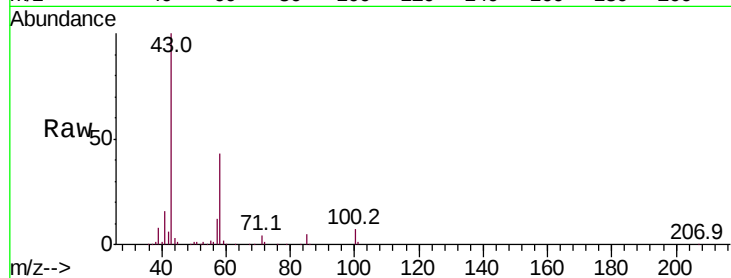




#59
2-Hexanone
Concen: 89.616 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

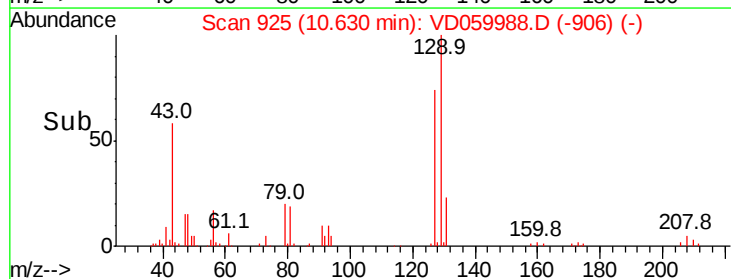
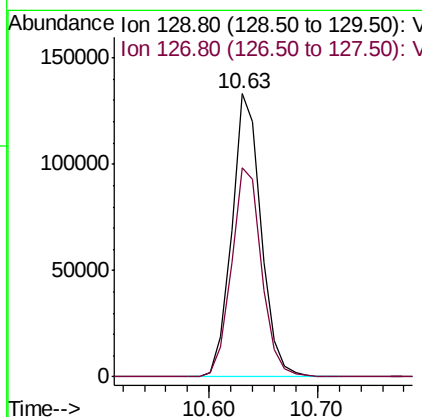
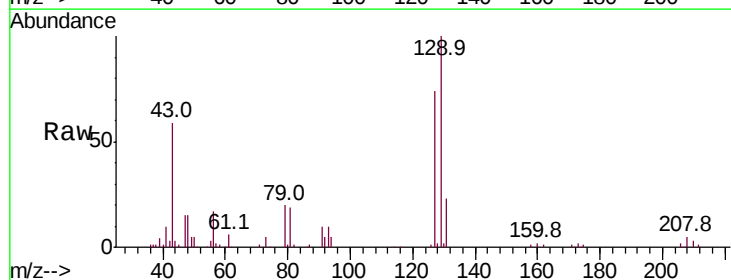
Instrument :
MSVOA_D
ClientSampleId :

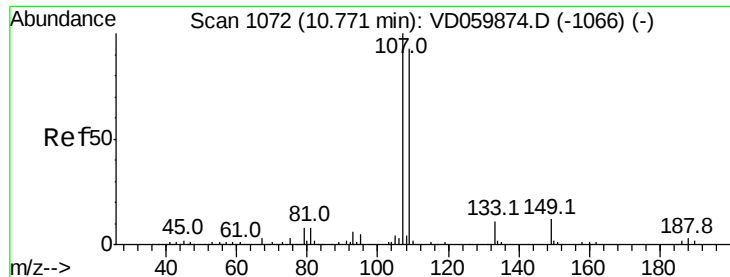
Tot Ion: 43 Resp: 826106
Ion Ratio Lower Upper
43 100
58 43.3 23.3 69.8



#60
Dibromochloromethane
Concen: 19.659 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 129 Resp: 249378
Ion Ratio Lower Upper
129 100
127 74.0 39.1 117.2

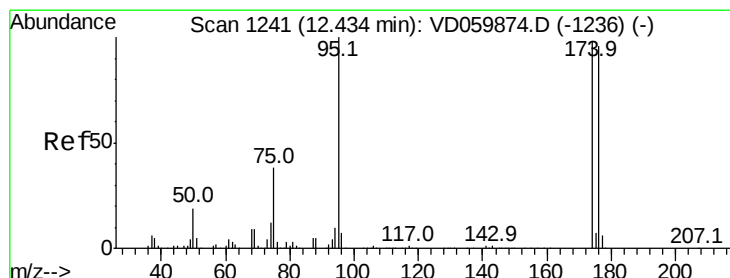
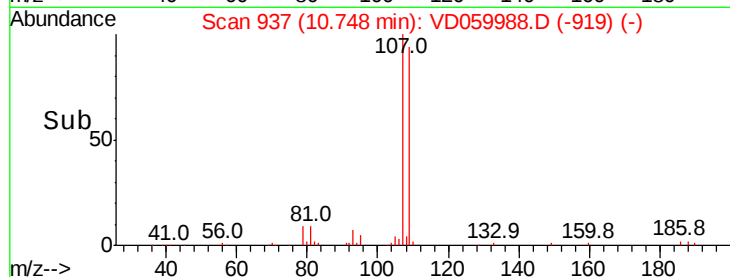
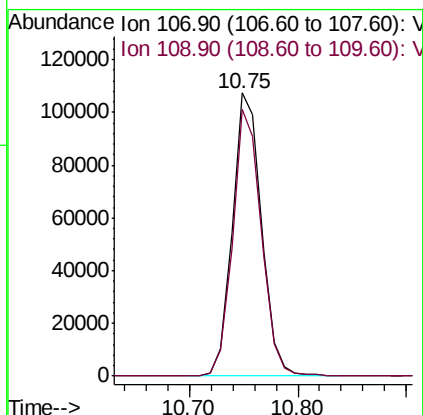
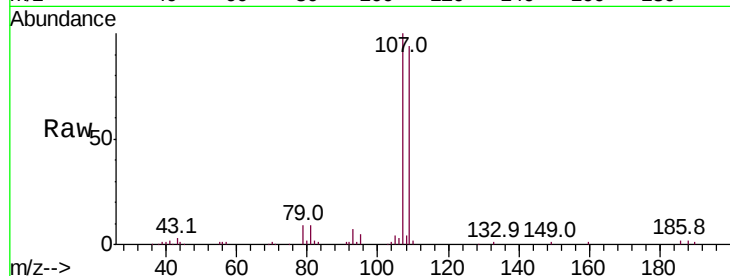




#61
 1,2-Dibromoethane
 Concen: 19.515 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

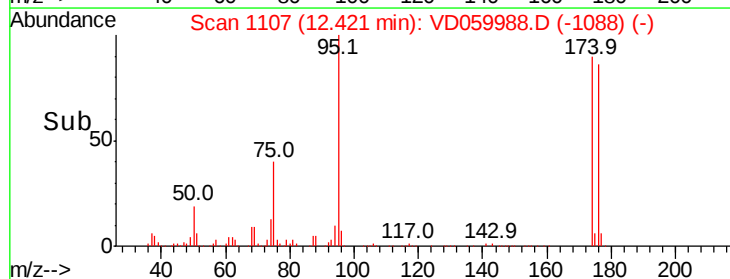
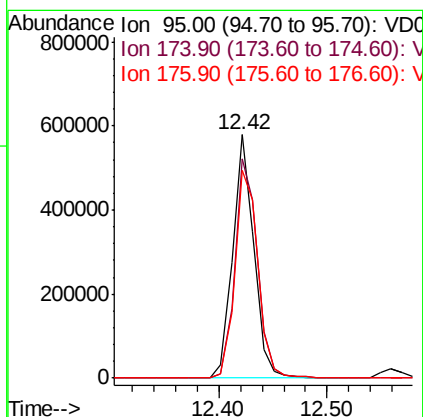
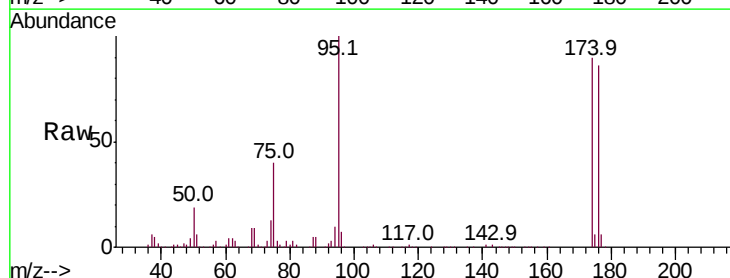
Instrument :
 MSVOA_D
 ClientSampleId :

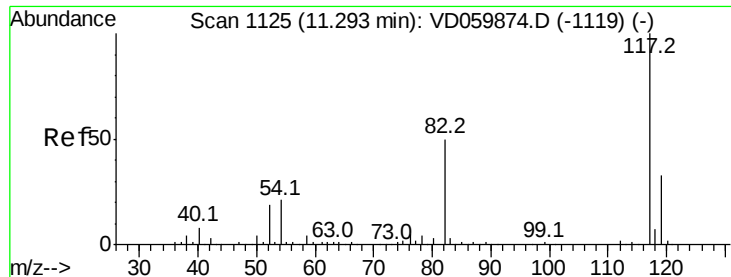
Tot Ion:107 Resp: 199142
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 19.515 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion: 95 Resp: 788463
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 195.6
 176 85.6 0.0 191.2

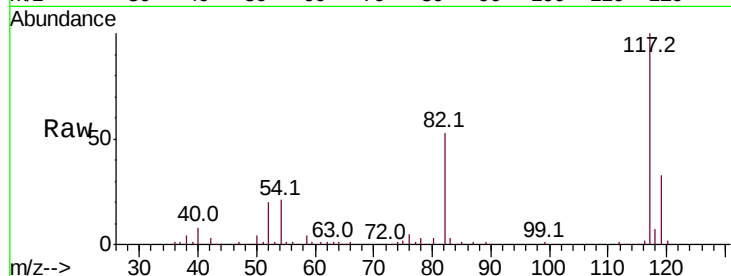




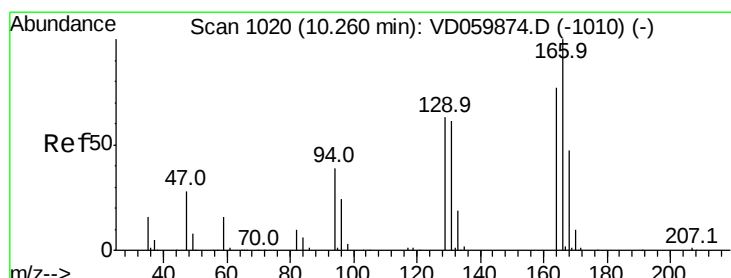
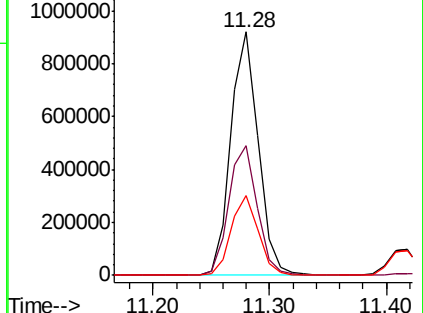
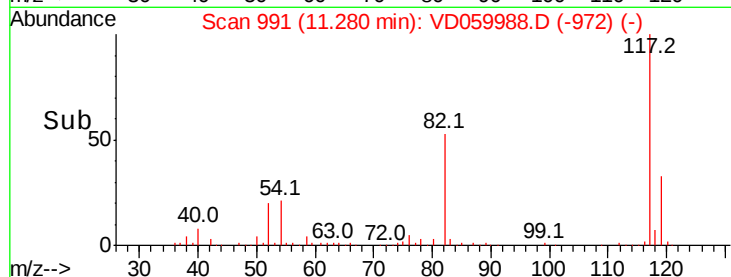
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1506150
Ion Ratio Lower Upper
117 100
82 53.2 40.1 60.1
119 32.6 26.7 40.1

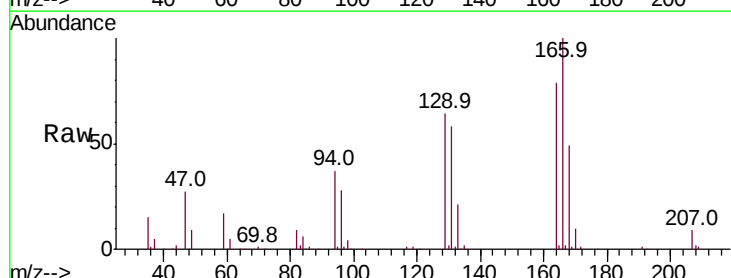


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

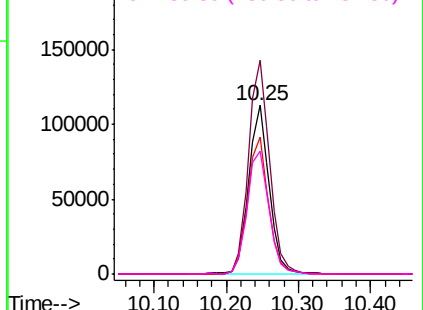
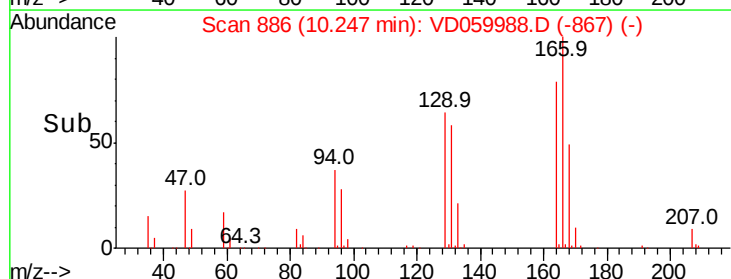


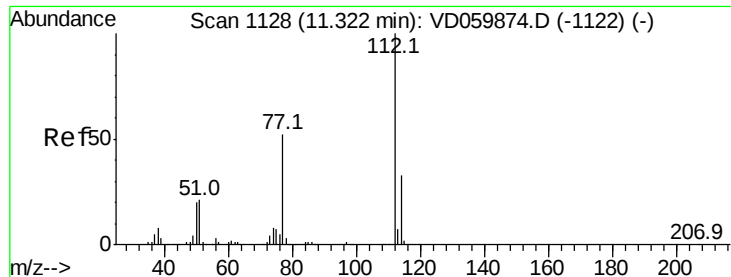
#64
Tetrachloroethene
Concen: 19.353 ug/l
RT: 10.25 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion:164 Resp: 225388
Ion Ratio Lower Upper
164 100
166 126.8 103.4 155.2
129 81.4 65.2 97.8
131 73.0 63.1 94.7



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

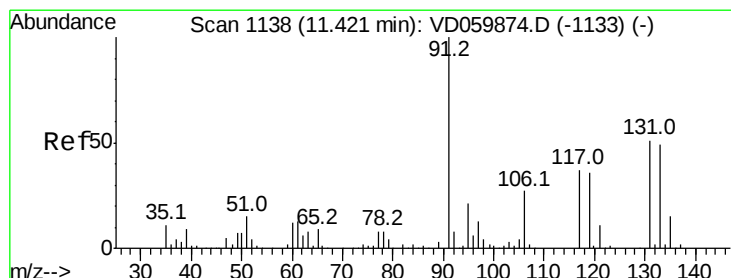
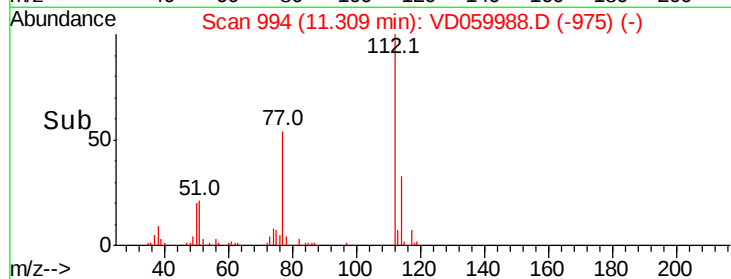
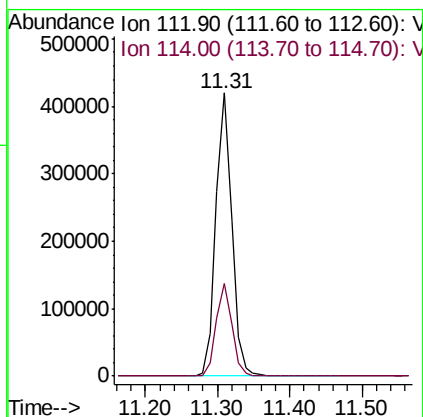
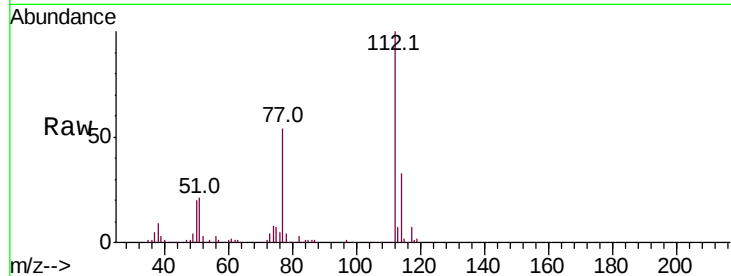




#65
Chlorobenzene
Concen: 21.196 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

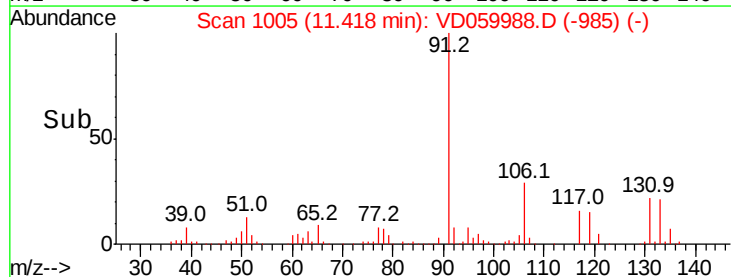
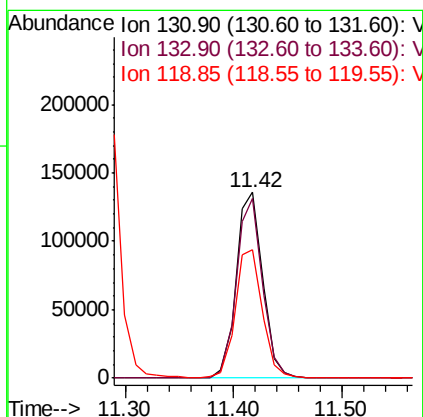
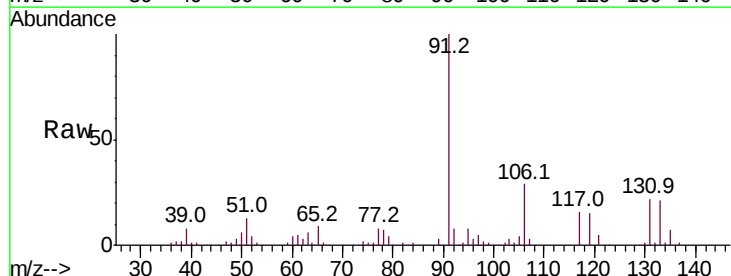
Instrument :
MSVOA_D
ClientSampleId :

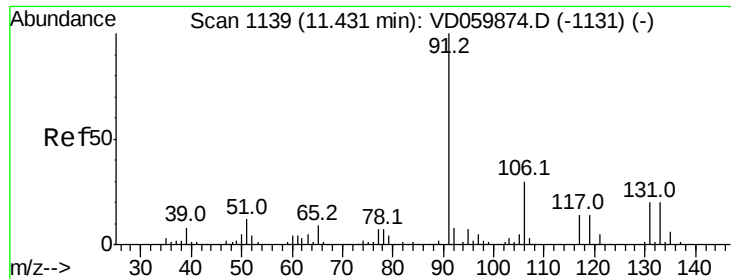
Tot Ion:112 Resp: 634383
Ion Ratio Lower Upper
112 100
114 32.8 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.101 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion:131 Resp: 230735
Ion Ratio Lower Upper
131 100
133 96.9 48.3 144.8
119 69.1 35.4 106.3

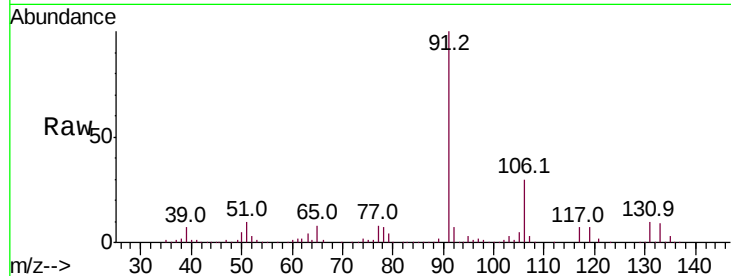




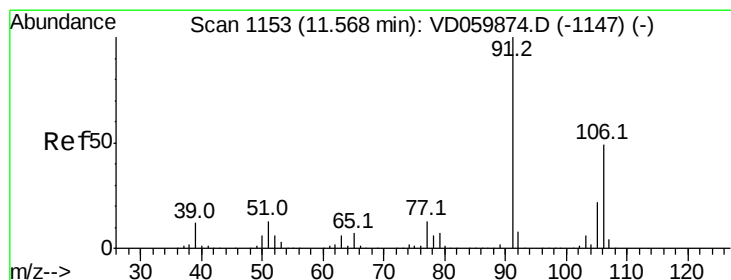
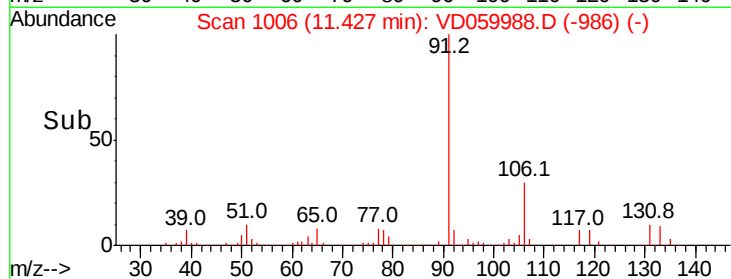
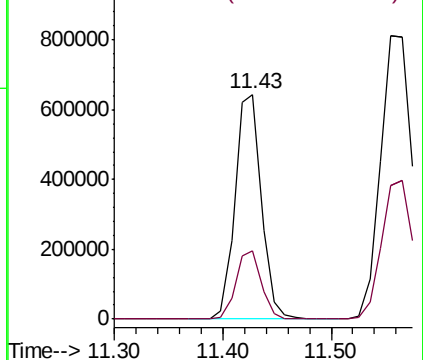
#67
Ethyl Benzene
Concen: 21.602 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 1087695
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

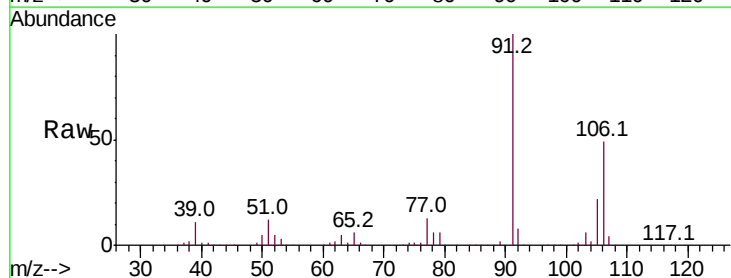


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

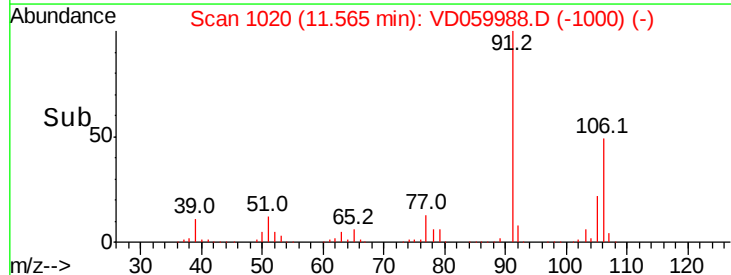
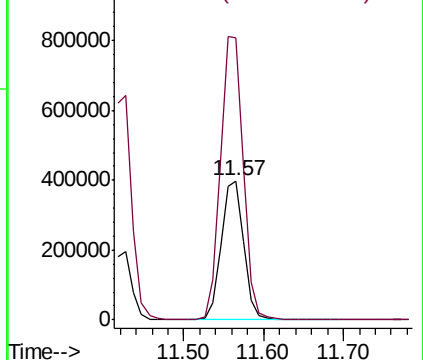


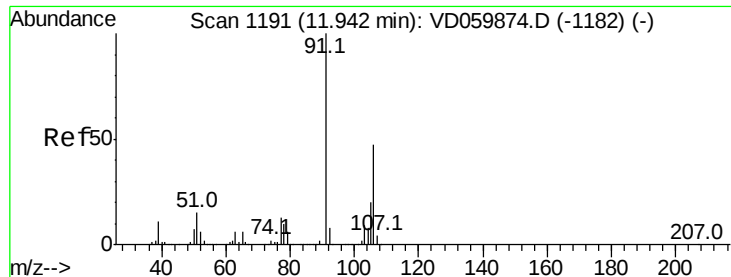
#68
m/p-Xylenes
Concen: 43.152 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 106 Resp: 791105
Ion Ratio Lower Upper
106 100
91 202.7 162.0 243.0



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

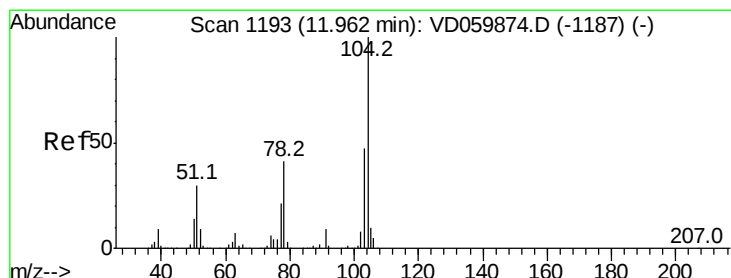
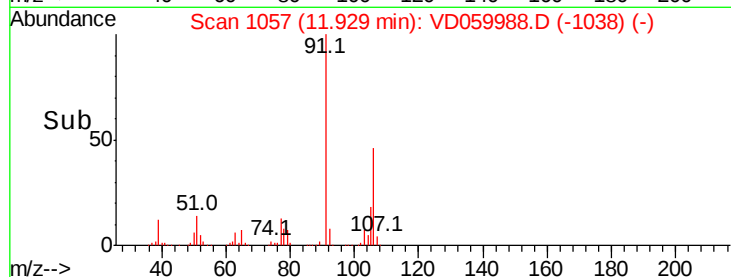
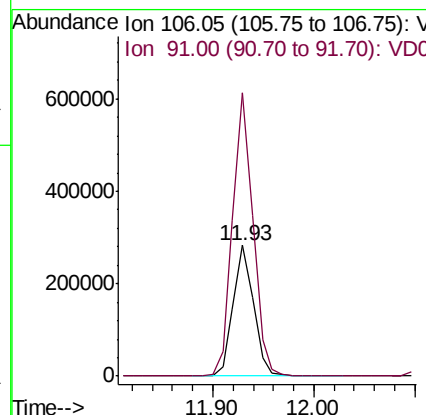
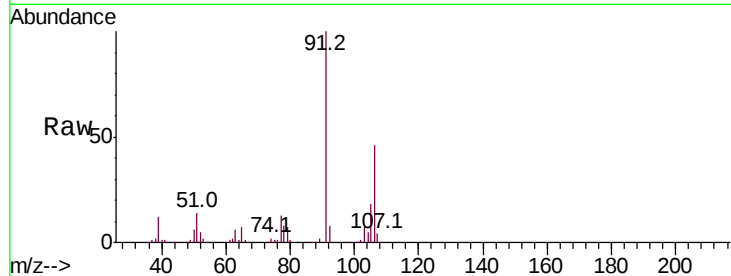




#69
o-Xylene
Concen: 22.155 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

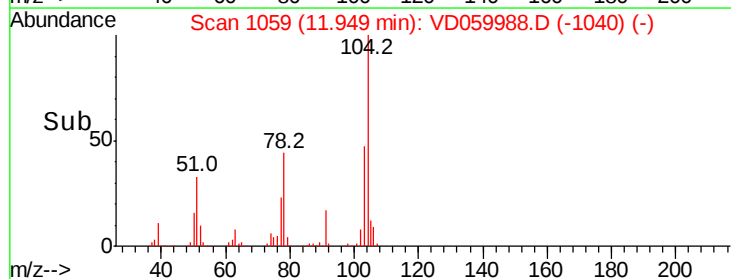
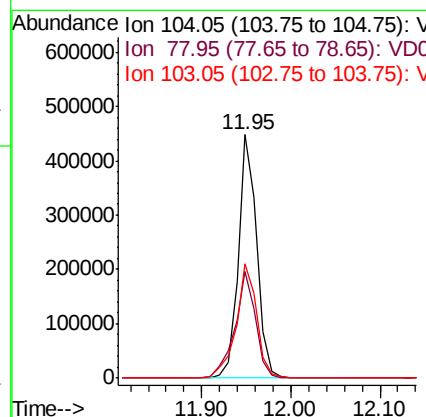
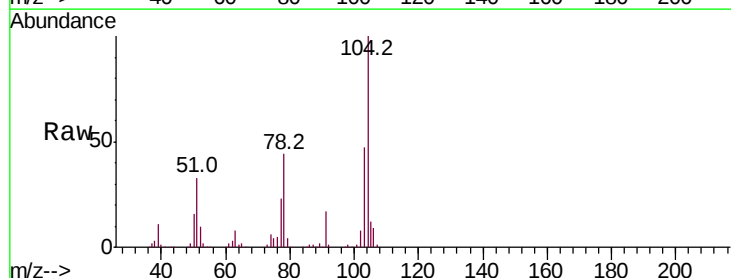
Instrument :
MSVOA_D
ClientSampled :

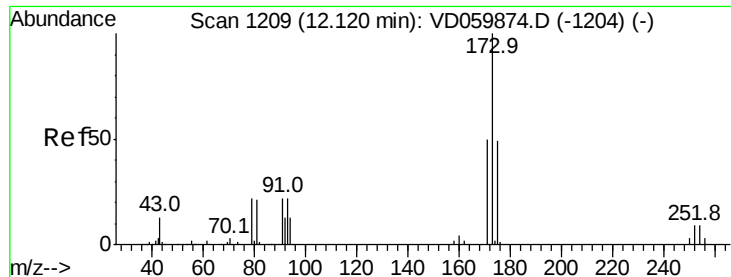
Tot Ion:106 Resp: 397255
Ion Ratio Lower Upper
106 100
91 216.2 107.3 322.0



#70
Styrene
Concen: 21.027 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion:104 Resp: 652827
Ion Ratio Lower Upper
104 100
78 43.8 32.6 49.0
103 47.1 37.7 56.5





#71

Bromoform

Concen: 18.689 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampled :

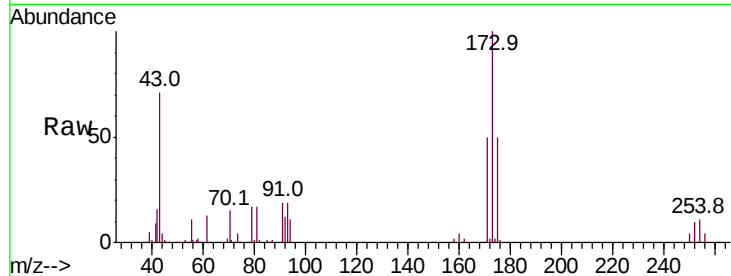
Tot Ion:173 Resp: 176818

Ion Ratio Lower Upper

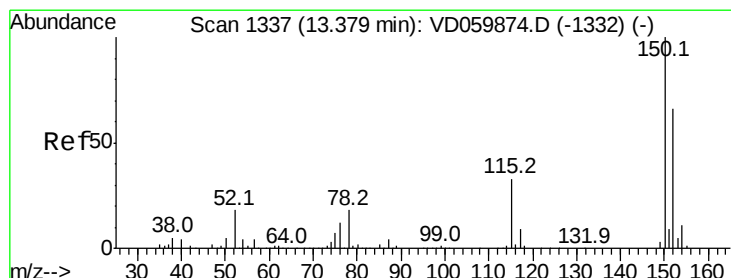
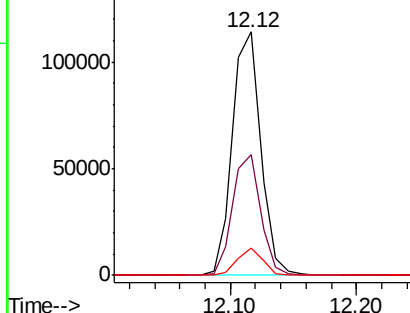
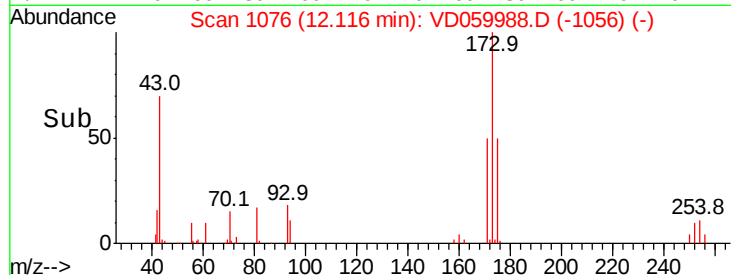
173 100

175 49.8 24.3 73.0

254 11.0 7.0 10.6#



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: 13.37 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

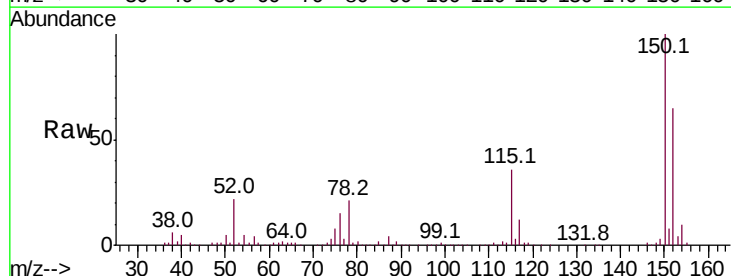
Tgt Ion:152 Resp: 815138

Ion Ratio Lower Upper

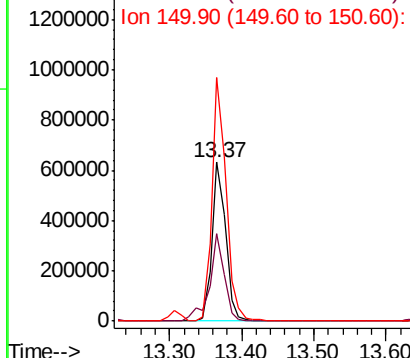
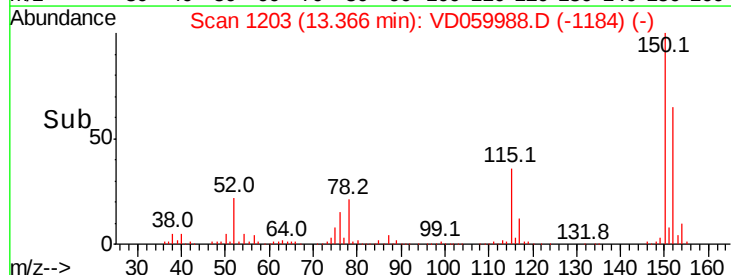
152 100

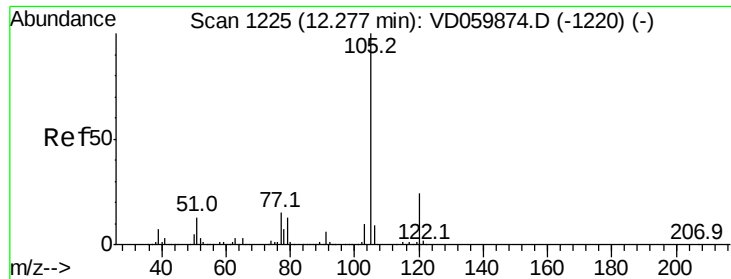
115 55.2 25.7 77.0

150 153.5 0.0 310.2



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: 20.519 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

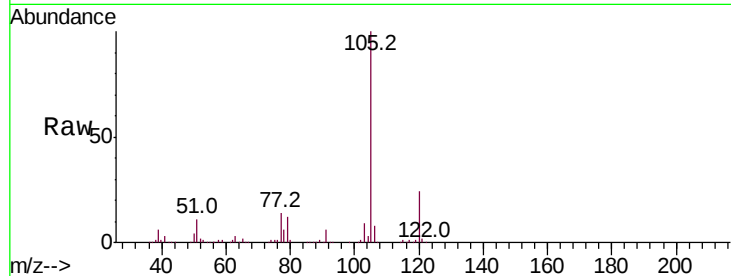
ClientSampleId :

Tot Ion:105 Resp: 1067677

Ion Ratio Lower Upper

105 100

120 24.4 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

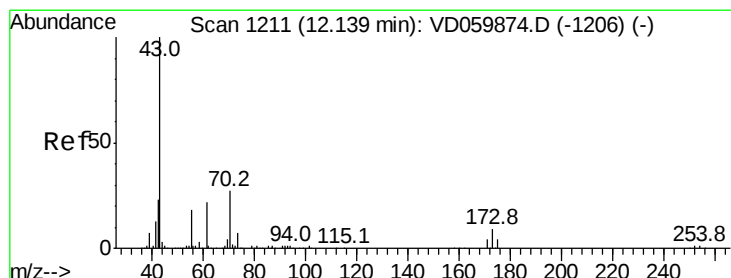
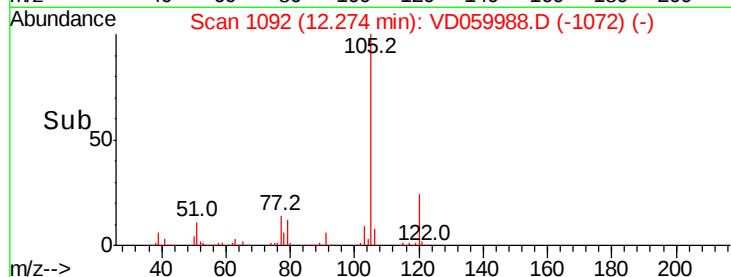
200000

0

12.27

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 18.303 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion: 43 Resp: 417011

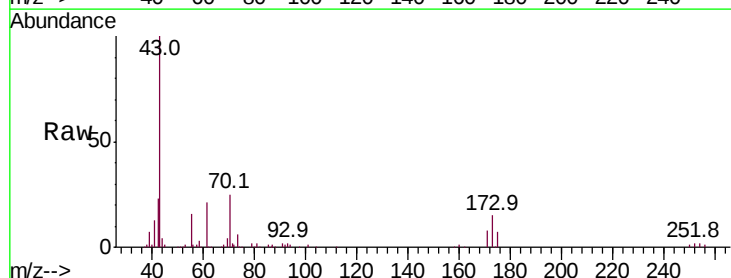
Ion Ratio Lower Upper

43 100

70 25.0 21.4 32.2

55 16.2 14.1 21.1

61 21.3 17.8 26.8



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

400000

300000

200000

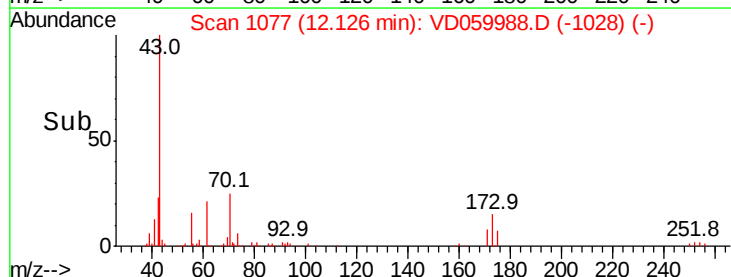
100000

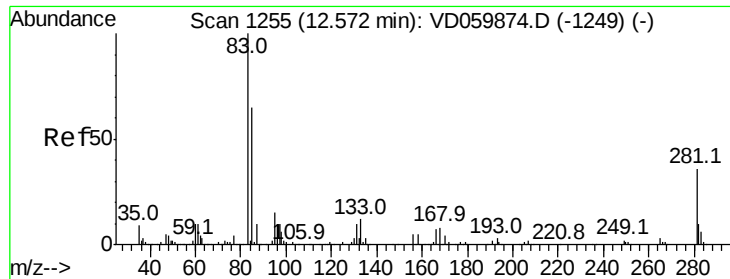
0

12.13

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.368 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

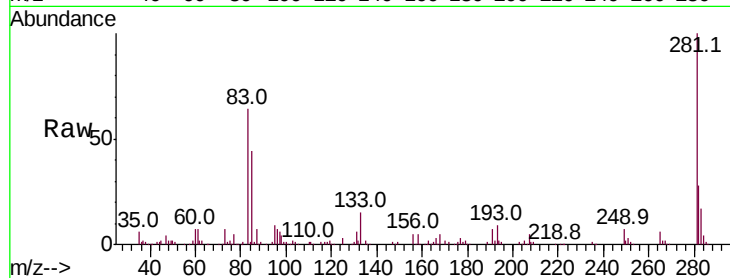
Tot Ion: 83 Resp: 233109

Ion Ratio Lower Upper

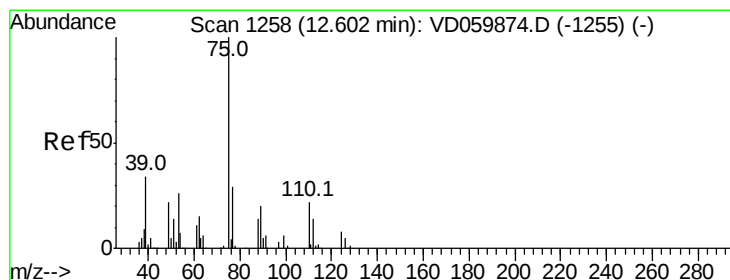
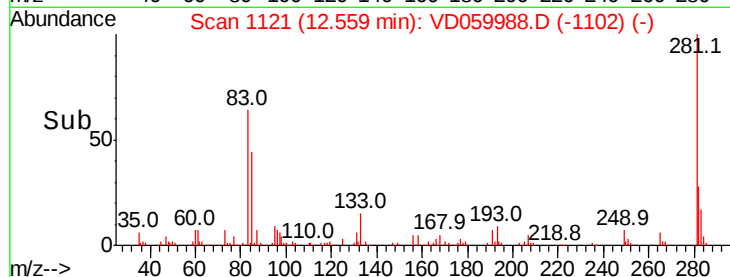
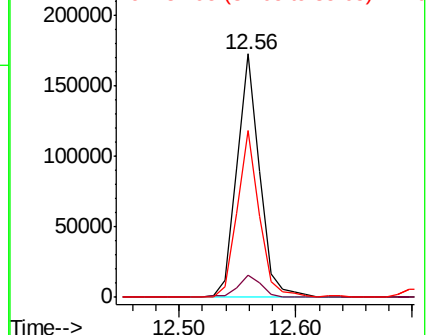
83 100

131 9.1 4.8 14.4

85 68.7 32.6 97.8



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



#76

1,2,3-Trichloropropane

Concen: 19.150 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD059988.D

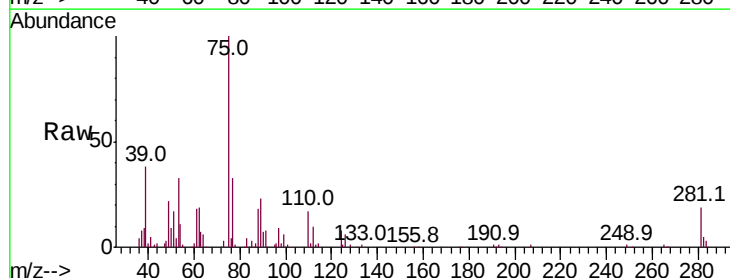
Acq: 10 Sep 2018 12:58

Tgt Ion: 75 Resp: 242618

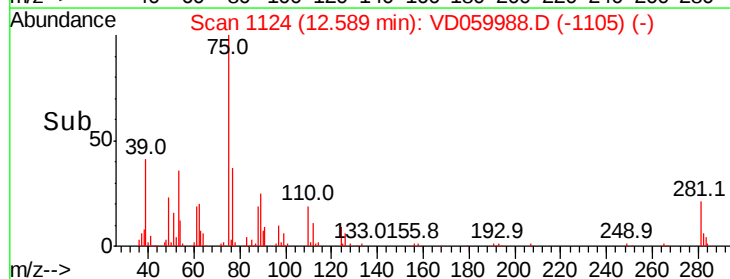
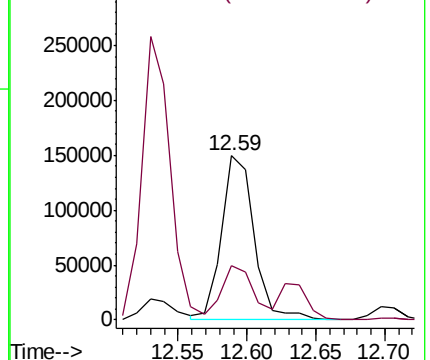
Ion Ratio Lower Upper

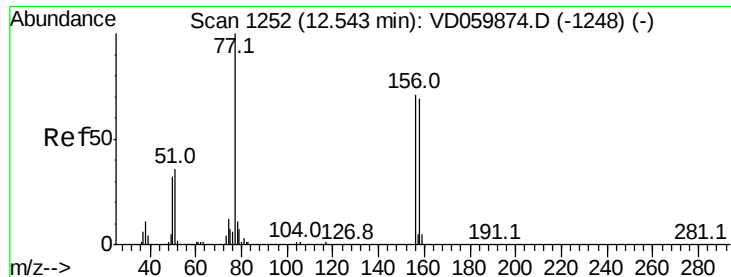
75 100

77 33.1 16.4 49.2



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





#77

Bromobenzene

Concen: 20.653 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

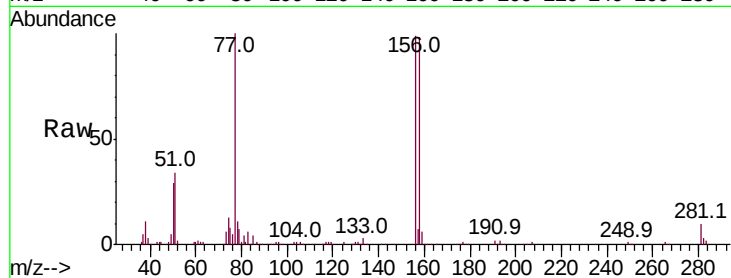
Tot Ion:156 Resp: 297958

Ion Ratio Lower Upper

156 100

77 101.4 70.2 210.4

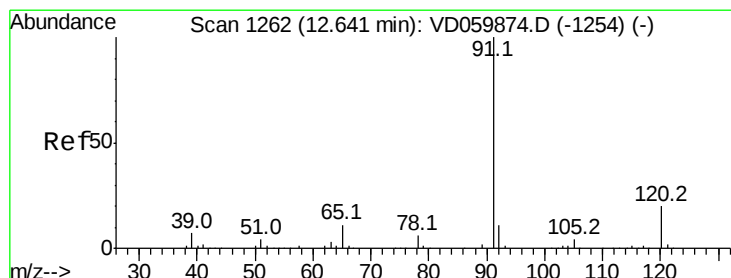
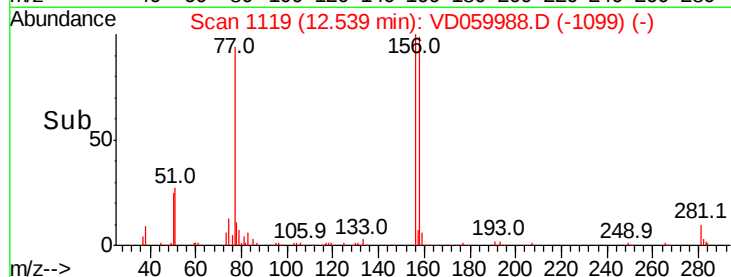
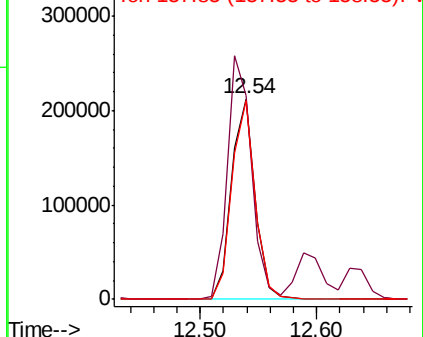
158 98.9 48.4 145.2



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: 20.708 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VD059988.D

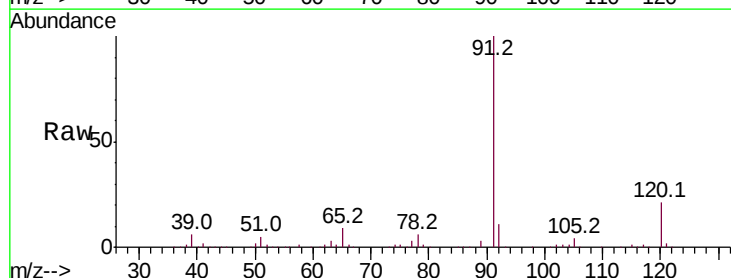
Acq: 10 Sep 2018 12:58

Tgt Ion: 91 Resp: 1364402

Ion Ratio Lower Upper

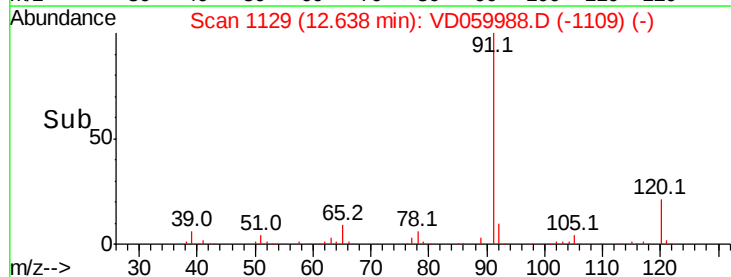
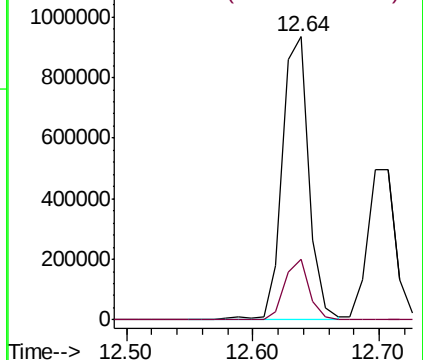
91 100

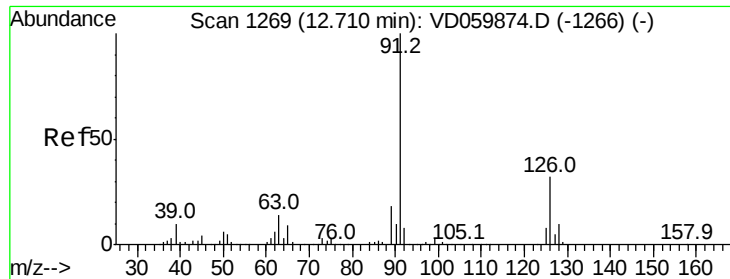
120 21.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

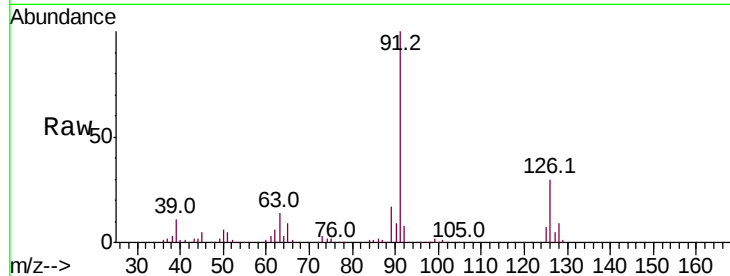




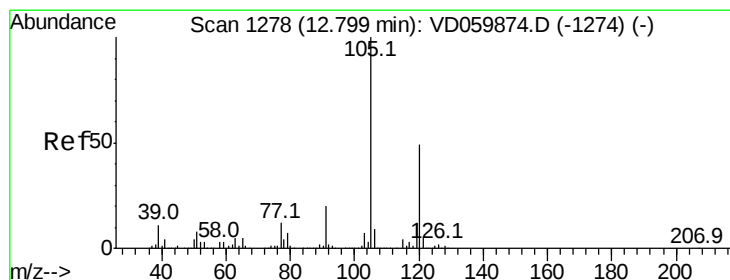
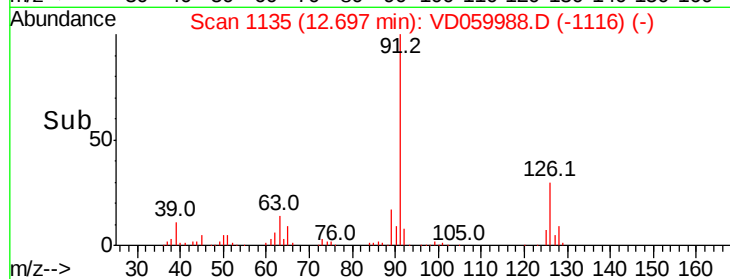
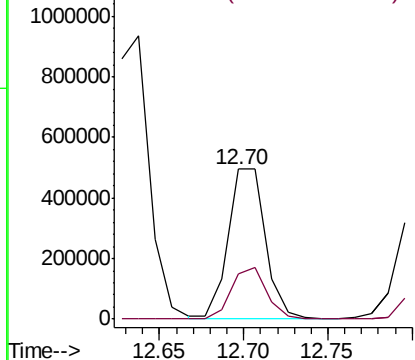
#79
 2-Chlorotoluene
 Concen: 20.507 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 764112
 Ion Ratio Lower Upper
 91 100
 126 30.0 16.1 48.2

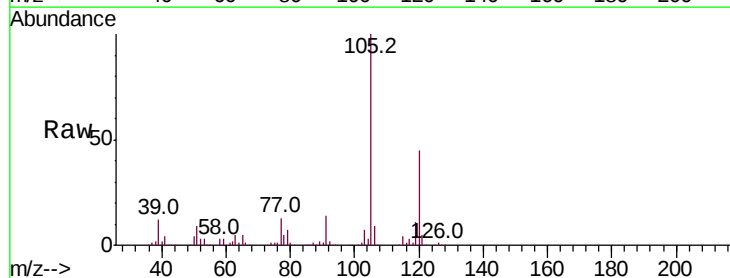


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

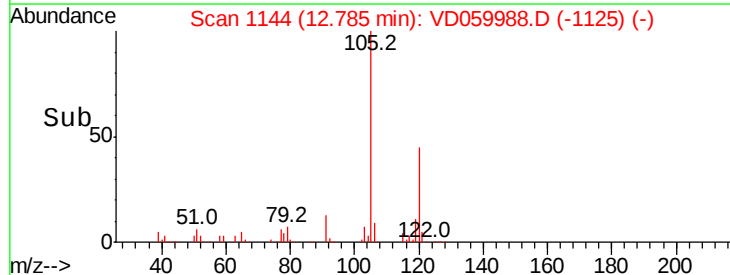
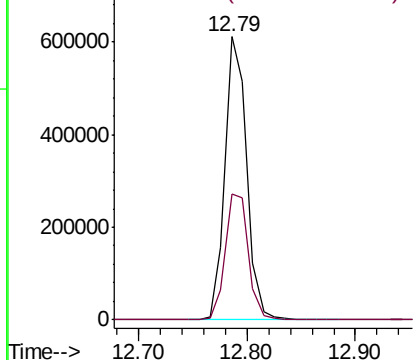


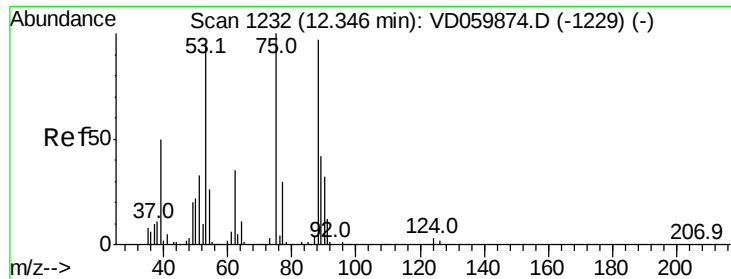
#80
 1,3,5-Trimethylbenzene
 Concen: 20.549 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion:105 Resp: 850091
 Ion Ratio Lower Upper
 105 100
 120 44.5 24.5 73.5



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: 17.594 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampled :

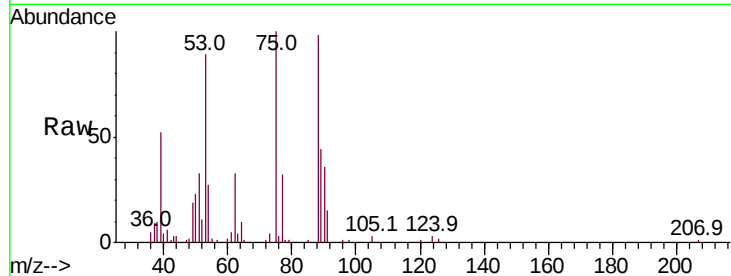
Tot Ion: 75 Resp: 69336

Ion Ratio Lower Upper

75 100

53 89.3 75.8 113.6

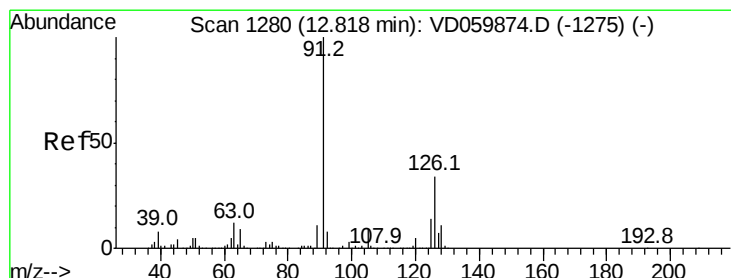
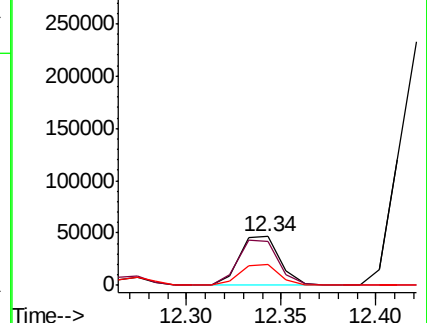
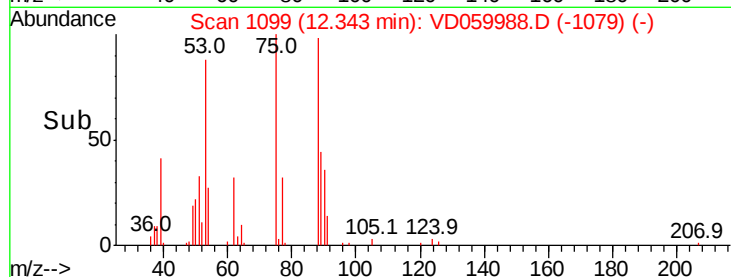
89 44.0 33.6 50.4



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: 20.753 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VD059988.D

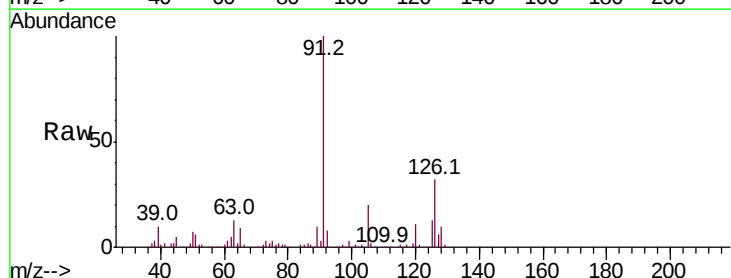
Acq: 10 Sep 2018 12:58

Tgt Ion: 91 Resp: 882046

Ion Ratio Lower Upper

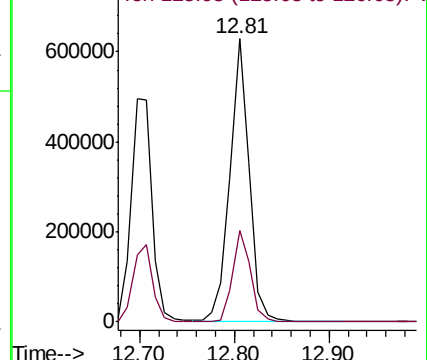
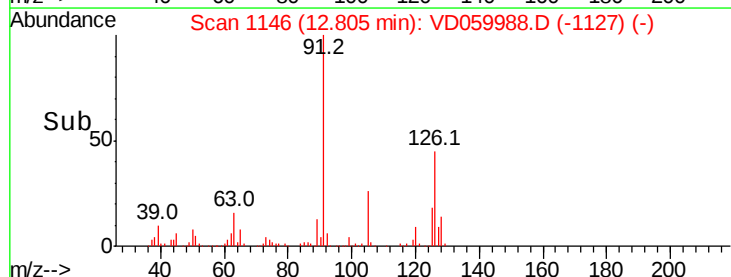
91 100

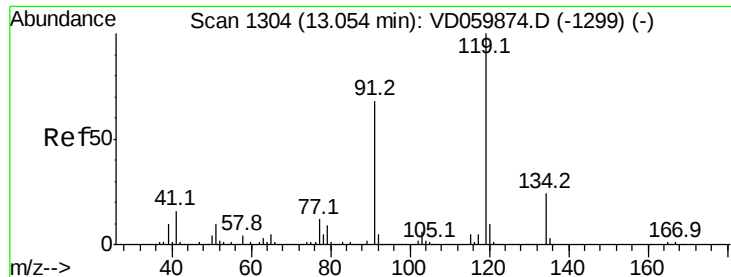
126 32.1 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 20.908 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

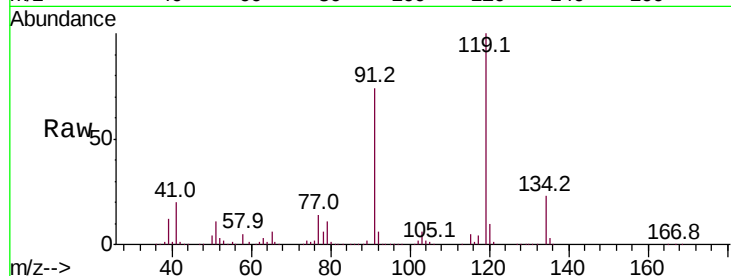
Tot Ion:119 Resp: 985301

Ion Ratio Lower Upper

119 100

91 73.9 34.3 102.9

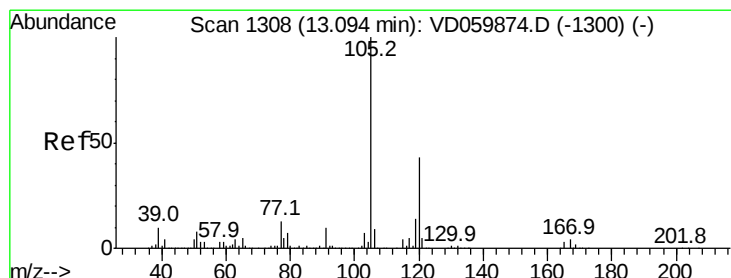
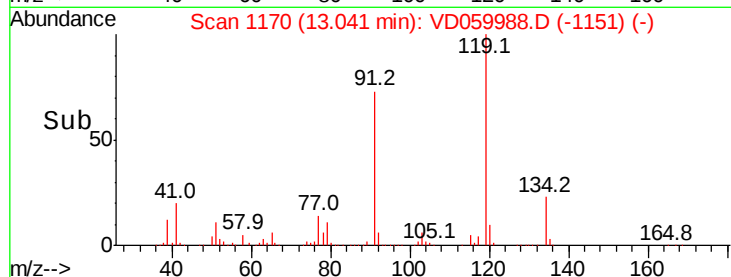
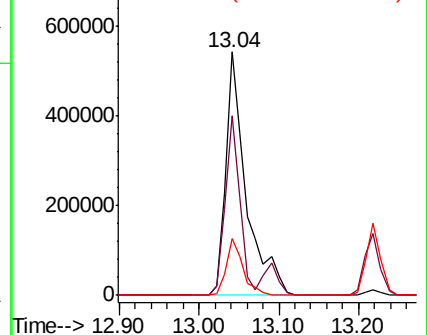
134 23.3 11.9 35.9



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: 20.503 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD059988.D

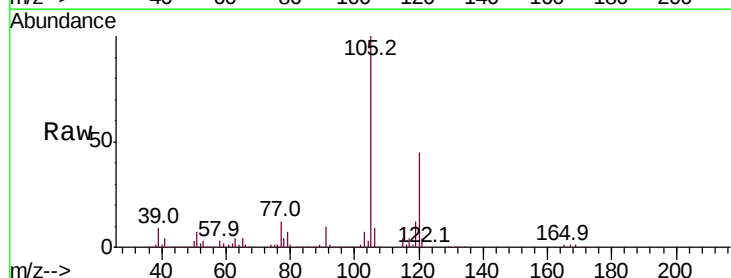
Acq: 10 Sep 2018 12:58

Tgt Ion:105 Resp: 884079

Ion Ratio Lower Upper

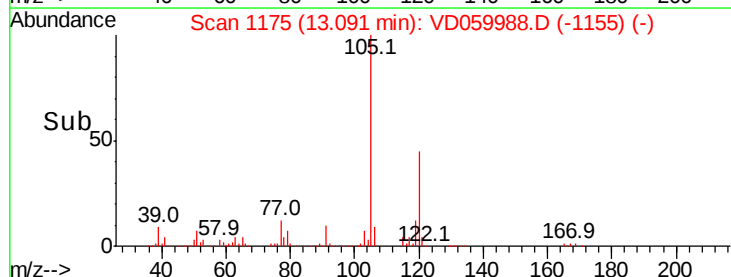
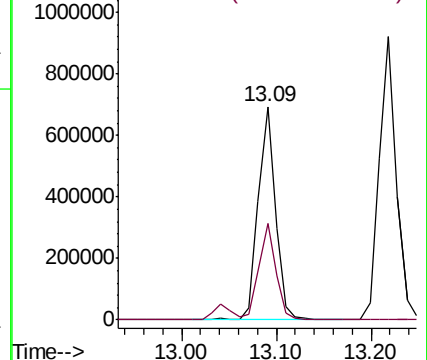
105 100

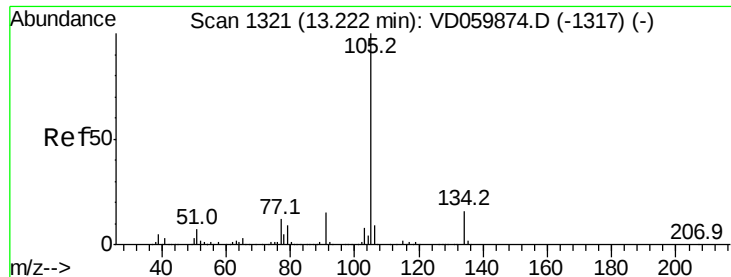
120 45.2 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

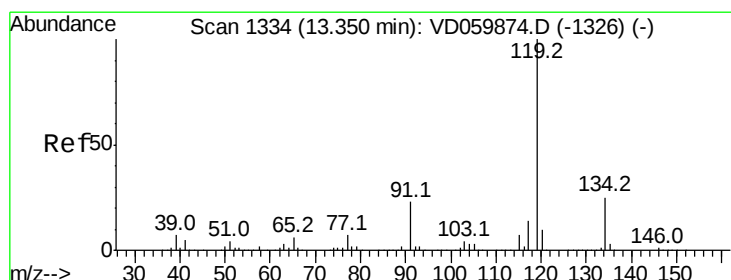
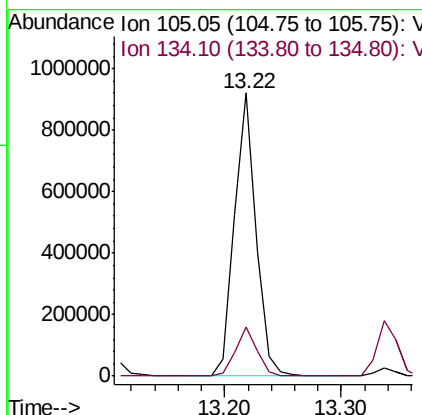
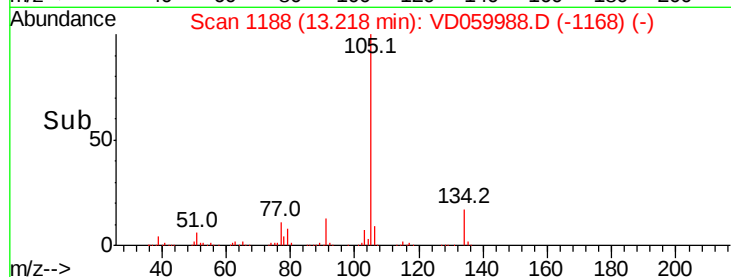
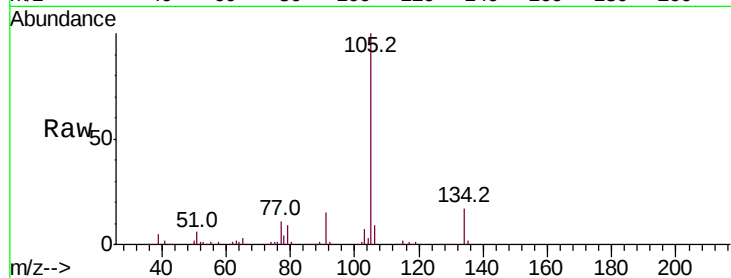




#85
 sec-Butylbenzene
 Concen: 21.153 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

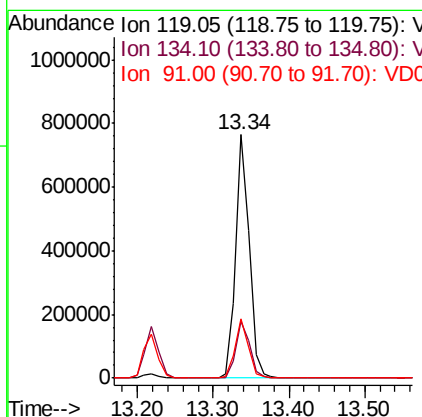
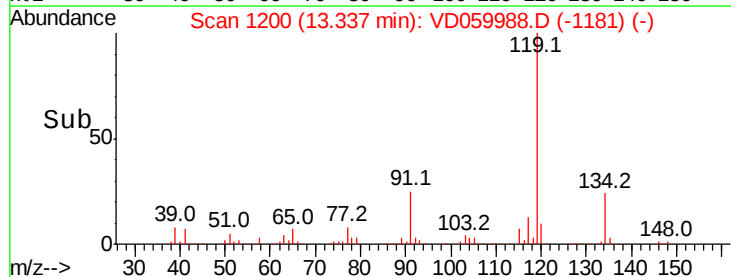
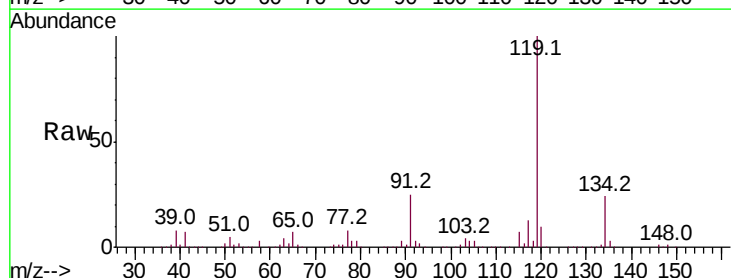
Instrument :
 MSVOA_D
 ClientSampleID :

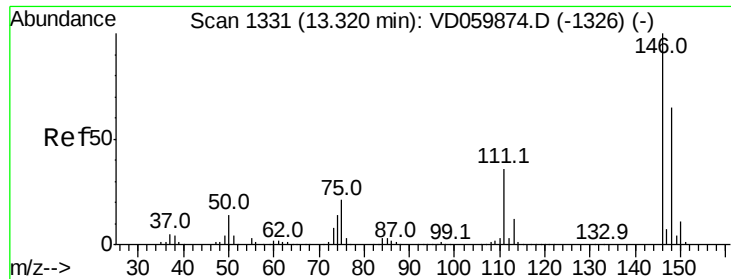
Tot Ion:105 Resp: 1172259
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.626 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion:119 Resp: 929625
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.7 38.1
 91 24.6 11.7 35.0

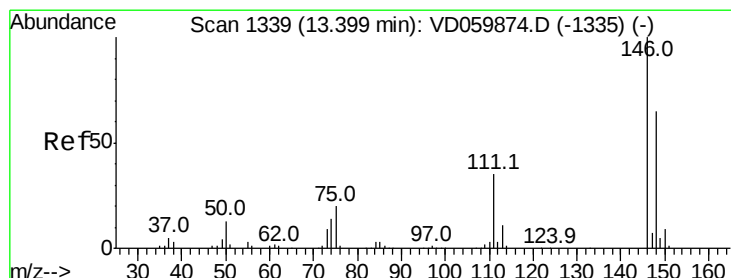
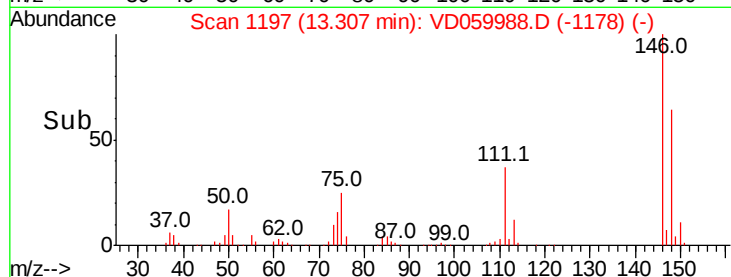
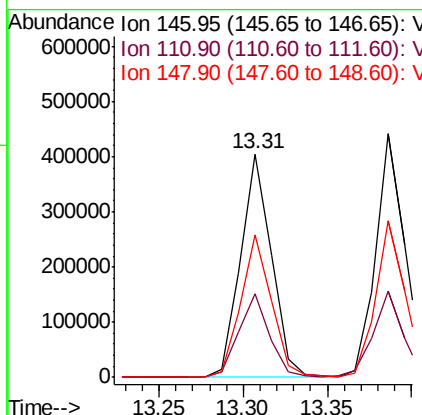
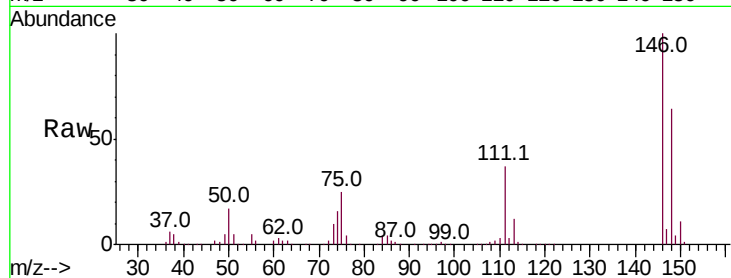




#87
 1,3-Dichlorobenzene
 Concen: 20.037 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

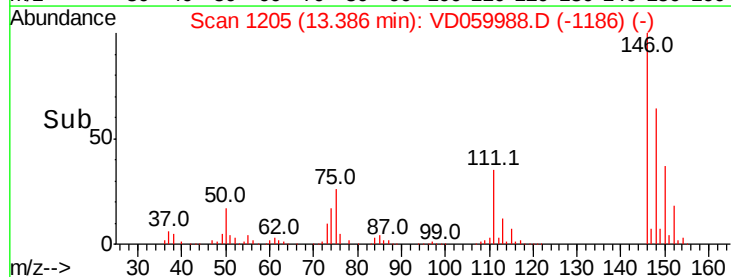
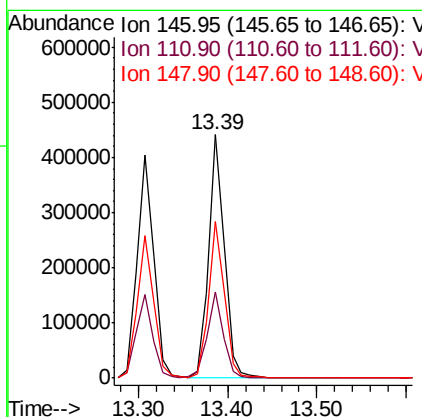
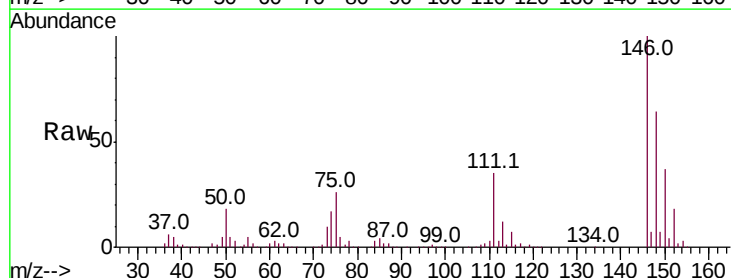
Instrument :
 MSVOA_D
 ClientSampled :

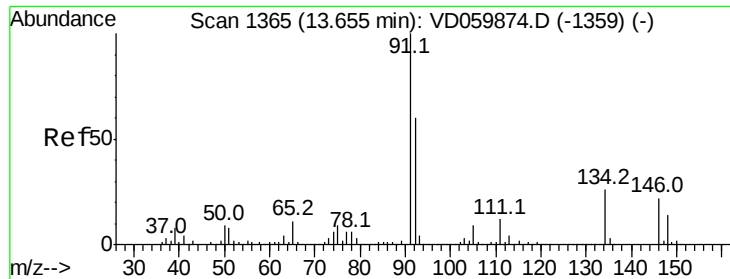
Tot Ion:146 Resp: 516079
 Ion Ratio Lower Upper
 146 100
 111 37.2 17.9 53.7
 148 63.9 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 20.846 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion:146 Resp: 535691
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.5 52.6
 148 64.1 32.5 97.5

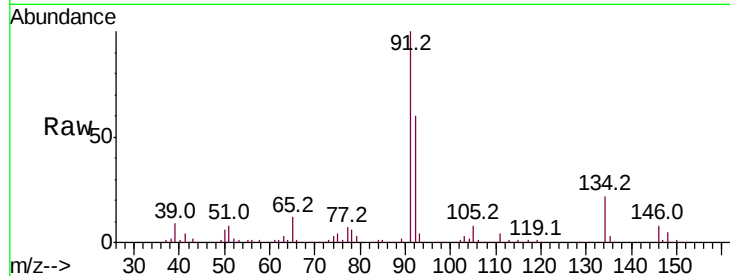




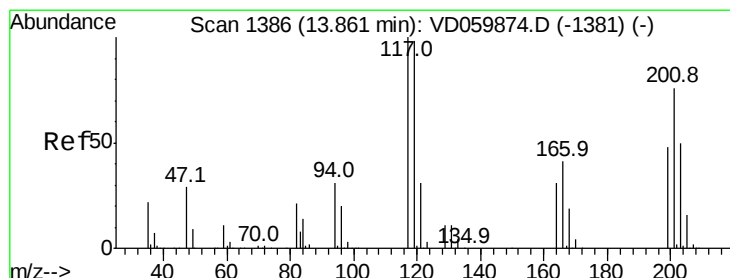
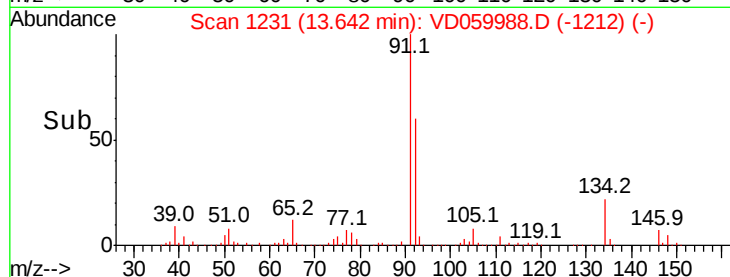
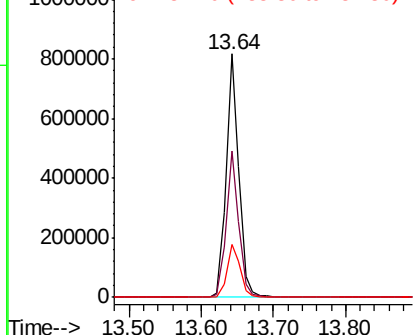
#89
n-Butylbenzene
Concen: 20.298 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 988876
Ion Ratio Lower Upper
91 100
92 60.1 30.0 90.1
134 21.7 12.8 38.4

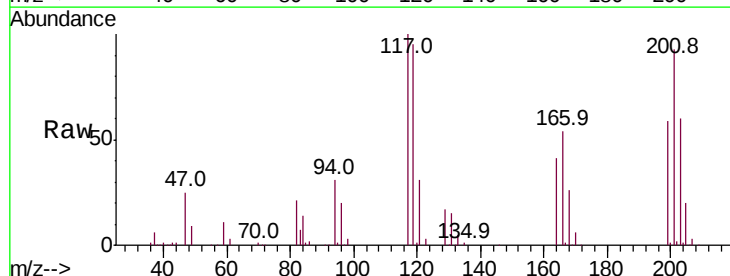


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

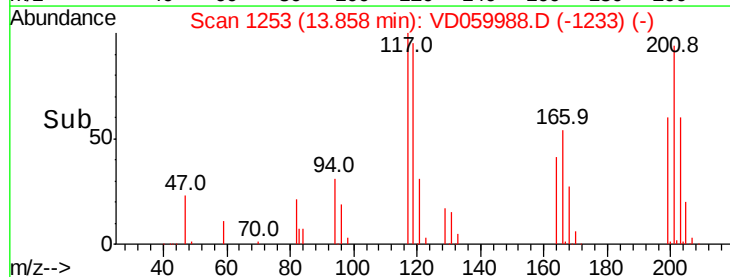
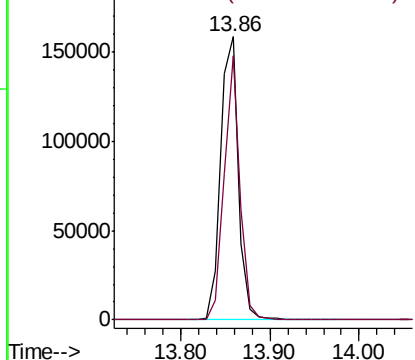


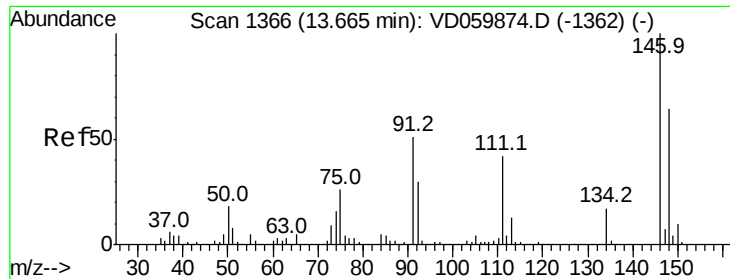
#90
Hexachloroethane
Concen: 18.489 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 117 Resp: 223749
Ion Ratio Lower Upper
117 100
201 93.3 38.1 114.5



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

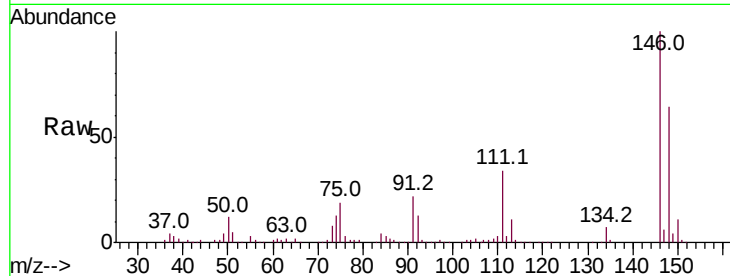




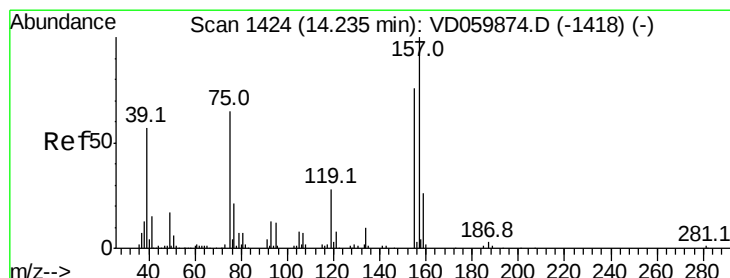
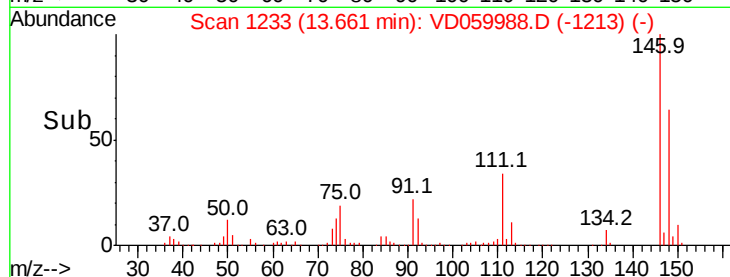
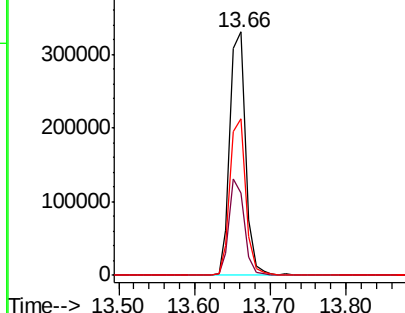
#91
 1,2-Dichlorobenzene
 Concen: 21.841 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 478325
 Ion Ratio Lower Upper
 146 100
 111 34.0 21.1 63.1
 148 64.3 32.2 96.6

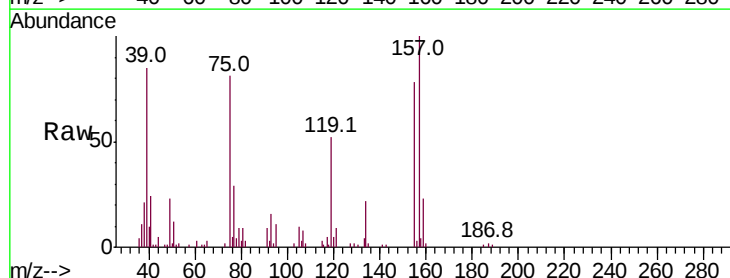


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

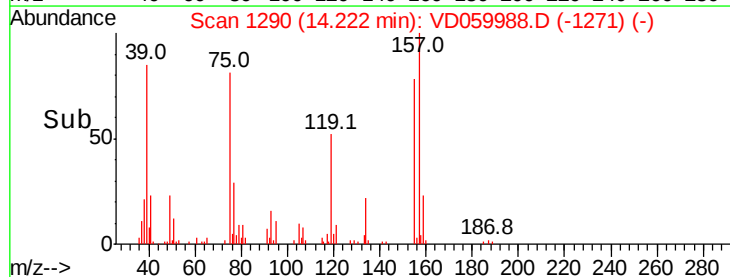
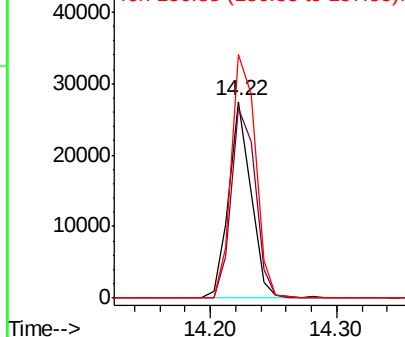


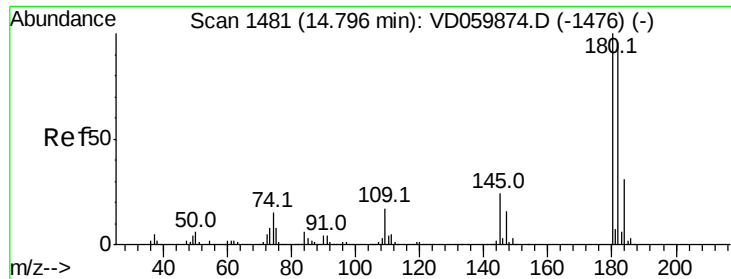
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.109 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion: 75 Resp: 33510
 Ion Ratio Lower Upper
 75 100
 155 96.6 58.2 174.6
 157 124.0 76.8 230.4



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

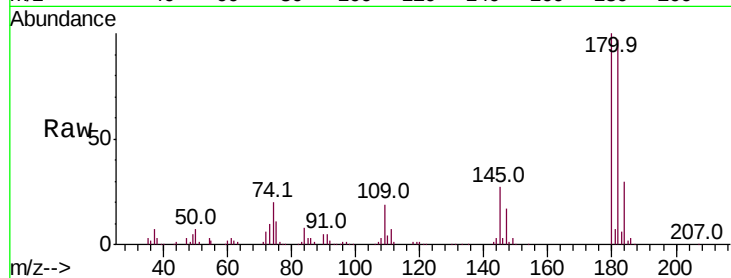




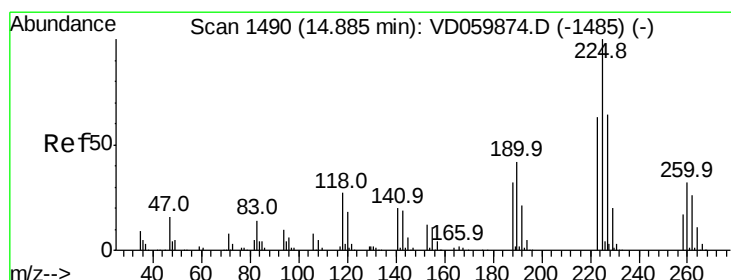
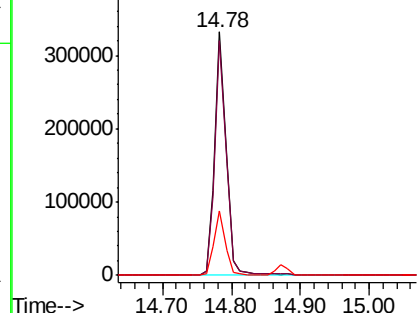
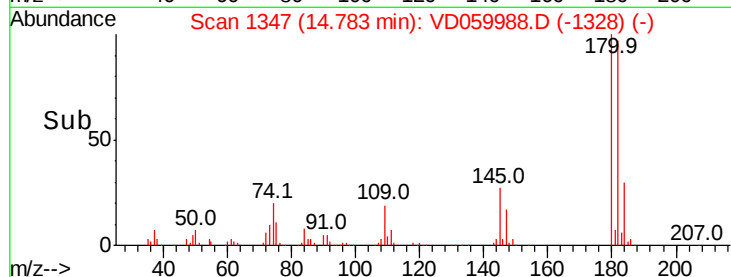
#93
 1,2,4-Trichlorobenzene
 Concen: 20.754 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	26.5	12.2	36.4

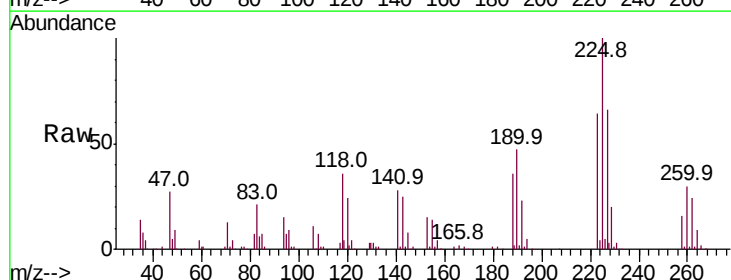


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

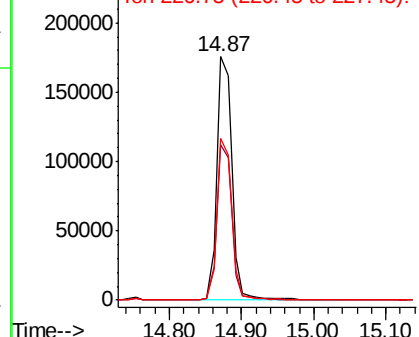
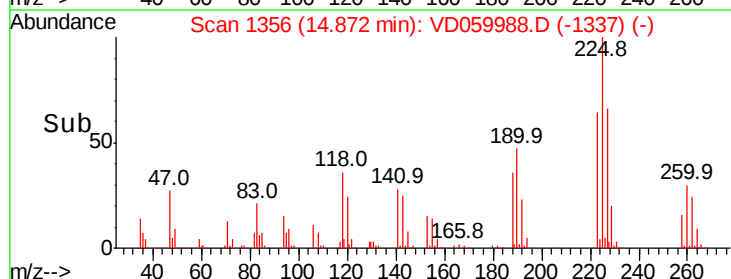


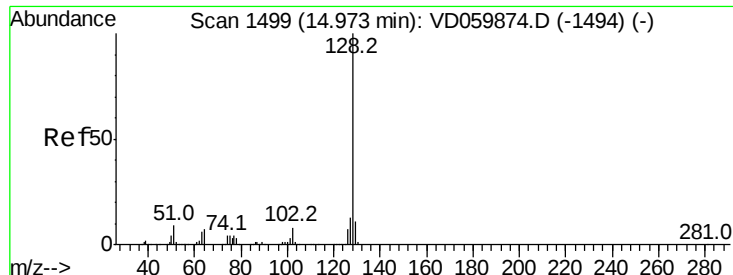
#94
 Hexachlorobutadiene
 Concen: 20.416 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	94.8
227	66.4	32.0	96.0



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

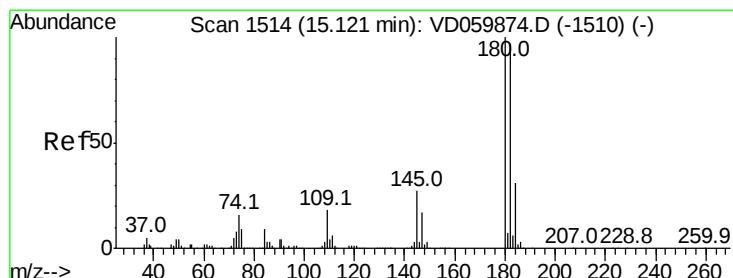
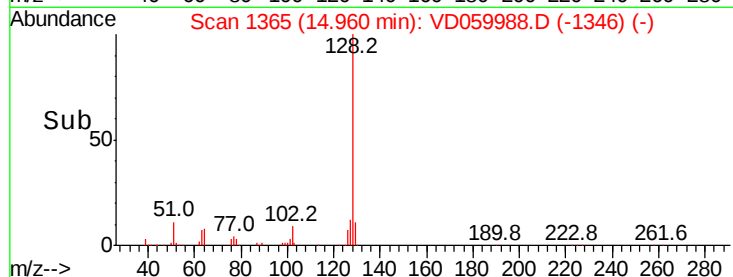
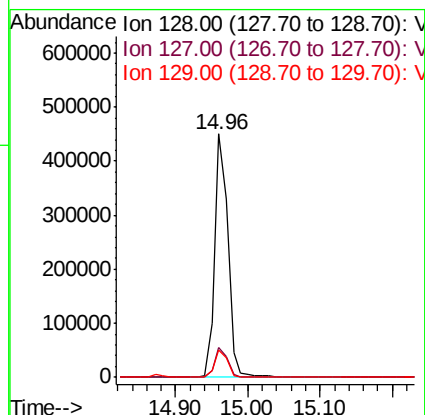
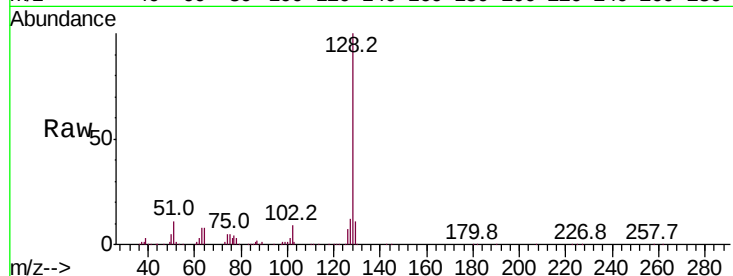




#95
Naphthalene
Concen: 19.914 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.0	15.0
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.163 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.6	145.8
145	29.1	13.6	40.8

