

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058319.D
 Acq On : 23 Jun 2018 3:48
 Operator : VA/AP
 Sample : VD0622SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

Quant Time: Jun 23 04:12:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	930131	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1247194	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	996383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	507109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	544795	57.99	ug/l	0.02
Spiked Amount	50.000		Recovery	=	115.98%	
35) Dibromofluoromethane	5.56	113	566534	55.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	111.62%	
50) Toluene-d8	8.71	98	1291730	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.93	95	533518	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.35	85	240325	25.60	ug/l	98
3) Chloromethane	1.50	50	113455	25.85	ug/l	98
4) Vinyl Chloride	1.57	62	114175	23.43	ug/l	96
5) Bromomethane	1.80	94	37383	20.38	ug/l	100
6) Chloroethane	1.89	64	37626	19.79	ug/l	100
7) Trichlorofluoromethane	2.09	101	148253	22.19	ug/l	96
8) Diethyl Ether	2.36	74	32803	23.21	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.56	101	99978	23.54	ug/l	95
10) Methyl Iodide	2.70	142	105521	21.84	ug/l	96
11) Tert butyl alcohol	3.28	59	29945	96.64	ug/l #	88
12) 1,1-Dichloroethene	2.55	96	74920	23.45	ug/l	93
13) Acrolein	2.48	56	18113	102.40	ug/l	98
14) Allyl chloride	2.94	41	170135	22.88	ug/l	97
15) Acrylonitrile	3.39	53	141063	171.69	ug/l	97
16) Acetone	2.62	43	124394	96.82	ug/l	95
17) Carbon Disulfide	2.76	76	233942	21.52	ug/l	98
18) Methyl Acetate	2.95	43	63953	23.34	ug/l	99
19) Methyl tert-butyl Ether	3.42	73	376331	44.40	ug/l	97
20) Methylene Chloride	3.08	84	81398	21.56	ug/l	97
21) trans-1,2-Dichloroethene	3.40	96	172074	49.27	ug/l	89
22) Diisopropyl ether	4.09	45	654442	22.16	ug/l	98
23) Vinyl Acetate	4.03	43	1796641	113.46	ug/l	100
24) 1,1-Dichloroethane	3.99	63	390317	24.53	ug/l	98
25) 2-Butanone	4.86	43	312215	111.49	ug/l	97
26) 2,2-Dichloropropane	4.81	77	276456	20.75	ug/l	96
27) cis-1,2-Dichloroethene	4.82	96	214752	24.61	ug/l	98
28) Bromochloromethane	5.16	49	164631	23.08	ug/l	93
29) Tetrahydrofuran	5.20	42	161359	108.25	ug/l	98
30) Chloroform	5.34	83	394795	23.50	ug/l	93
31) Cyclohexane	5.60	56	301263	23.28	ug/l	100
32) 1,1,1-Trichloroethane	5.53	97	325088	23.42	ug/l	98
36) 1,1-Dichloropropene	5.75	75	275654	22.34	ug/l	94
37) Ethyl Acetate	4.93	43	151903	21.61	ug/l	98
38) Carbon Tetrachloride	5.73	117	271465	22.14	ug/l	93

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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

Quant Time: Jun 23 04:12:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	260566	21.68	ug/l	96
40) Benzene	6.03	78	647104	22.02	ug/l	99
41) Methacrylonitrile	5.13	41	73977	21.79	ug/l	95
42) 1,2-Dichloroethane	6.14	62	267847	22.60	ug/l	100
43) Isopropyl Acetate	7.62	43	200275	21.37	ug/l #	95
44) Trichloroethene	6.99	130	191416	21.69	ug/l	99
45) 1,2-Dichloropropane	7.36	63	181566	22.94	ug/l	98
46) Dibromomethane	7.47	93	121715	22.53	ug/l	98
47) Bromodichloromethane	7.75	83	281158	22.82	ug/l	97
48) Methyl methacrylate	7.51	41	118159	20.74	ug/l	99
49) 1,4-Dioxane	7.50	88	21130	410.95	ug/l	94
51) 4-Methyl-2-Pentanone	8.61	43	668911	109.42	ug/l	97
52) Toluene	8.81	92	378013	22.59	ug/l	99
53) t-1,3-Dichloropropene	9.20	75	226807	21.17	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	276343	22.00	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	133390	22.53	ug/l	97
56) Ethyl methacrylate	9.32	69	159080	22.47	ug/l	97
57) 1,3-Dichloropropane	9.67	76	222996	22.36	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	406439	115.94	ug/l	100
59) 2-Hexanone	9.80	43	470892	106.60	ug/l	95
60) Dibromochloromethane	9.96	129	169471	21.09	ug/l	98
61) 1,2-Dibromoethane	10.10	107	149759	23.11	ug/l	100
64) Tetrachloroethene	9.52	164	200043	23.86	ug/l	93
65) Chlorobenzene	10.73	112	436893	23.44	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	154427	21.47	ug/l	99
67) Ethyl Benzene	10.86	91	727608	22.11	ug/l	99
68) m/p-Xylenes	11.02	106	494504	45.07	ug/l	98
69) o-Xylene	11.41	106	250289	23.88	ug/l	98
70) Styrene	11.43	104	418554	23.40	ug/l	95
71) Bromoform	11.60	173	127323	22.19	ug/l #	94
73) Isopropylbenzene	11.78	105	706551	23.29	ug/l	98
74) N-amyl acetate	11.65	43	253389	21.60	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	159168	22.55	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	168525	22.76	ug/l	99
77) Bromobenzene	12.04	156	205040	22.57	ug/l	86
78) n-propylbenzene	12.16	91	883324	22.55	ug/l	99
79) 2-Chlorotoluene	12.22	91	494915	22.08	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	551989	23.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.85	75	36201	20.05	ug/l	95
82) 4-Chlorotoluene	12.33	91	584403	23.91	ug/l	91
83) tert-Butylbenzene	12.57	119	616204	22.65	ug/l	96
84) 1,2,4-Trimethylbenzene	12.62	105	558791	21.73	ug/l	99
85) sec-Butylbenzene	12.76	105	697763	21.89	ug/l	97
86) p-Isopropyltoluene	12.89	119	574927	22.25	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	352711	22.34	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	349923	22.70	ug/l	98
89) n-Butylbenzene	13.19	91	597425	22.00	ug/l	94
90) Hexachloroethane	13.40	117	150184	22.40	ug/l	75
91) 1,2-Dichlorobenzene	13.19	146	290820	21.65	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	26707	23.77	ug/l	64

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Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD02

Quant Time: Jun 23 04:12:44 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration

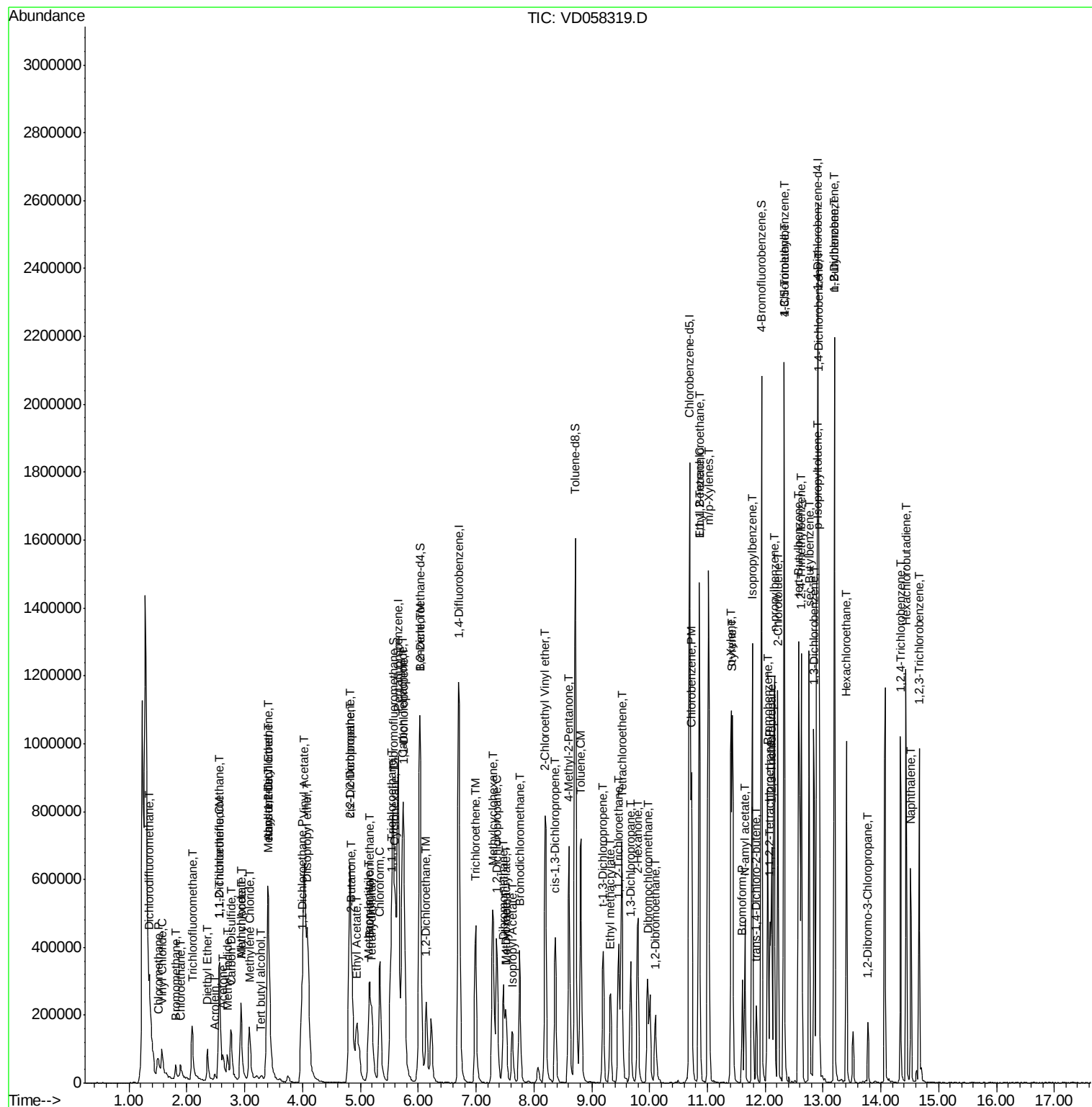
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	276195	21.49	ug/l	98
94) Hexachlorobutadiene	14.43	225	204549	20.35	ug/l	96
95) Naphthalene	14.51	128	371012	21.92	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	236878	21.06	ug/l	96

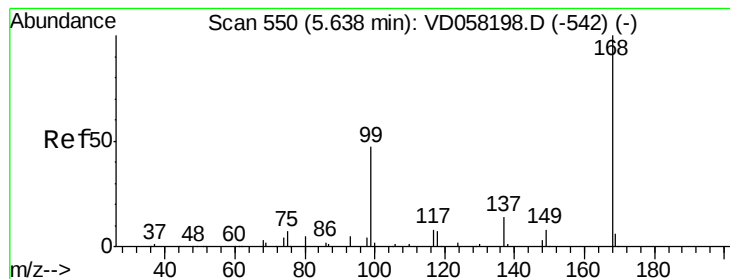
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
VD0622SBS02

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

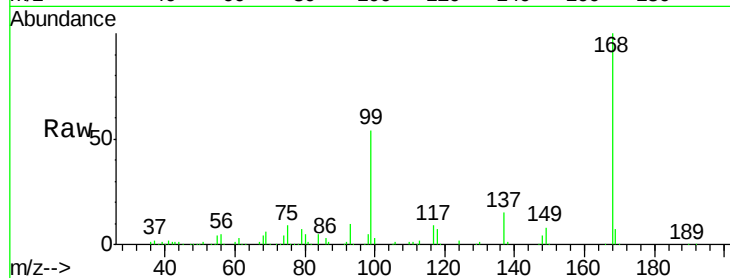
VD0622SBSD02

Tot Ion:168 Resp: 930131

Ion Ratio Lower Upper

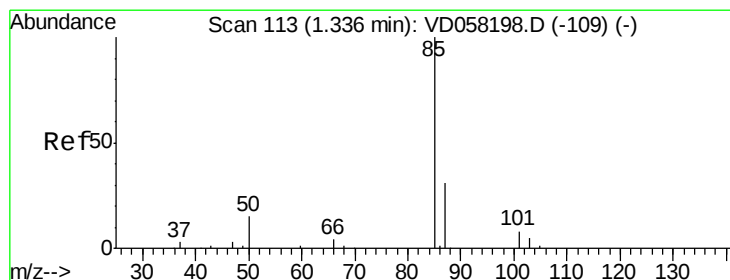
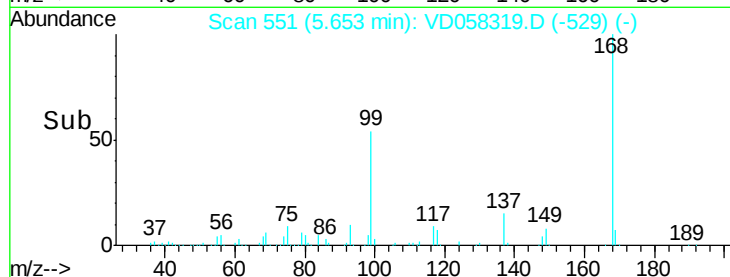
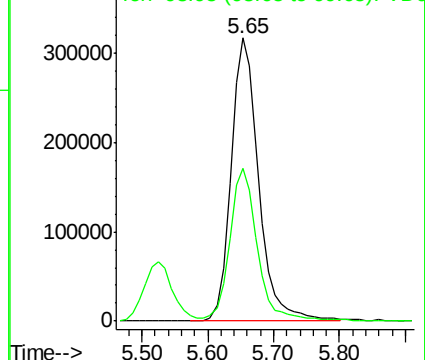
168 100

99 54.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 25.60 ug/l

RT: 1.35 min Scan# 114

Delta R.T. 0.02 min

Lab File: VD058319.D

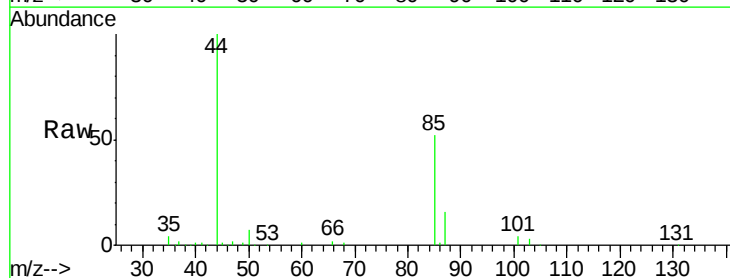
Acq: 23 Jun 2018 3:48

Tgt Ion: 85 Resp: 240325

Ion Ratio Lower Upper

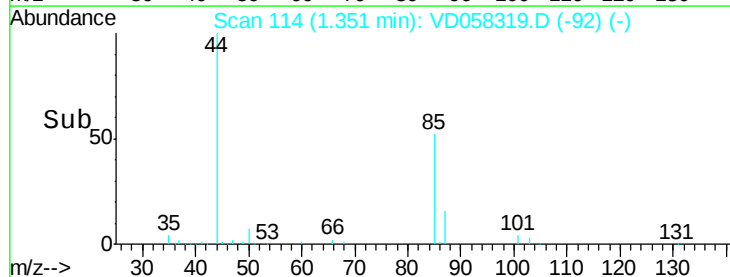
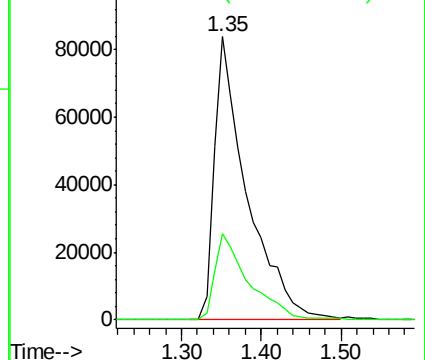
85 100

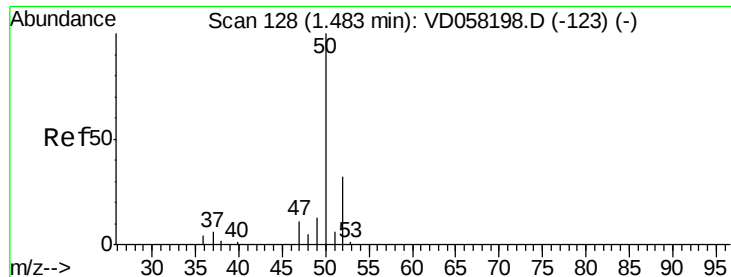
87 30.3 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.85 ug/l

RT: 1.50 min Scan# 129

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

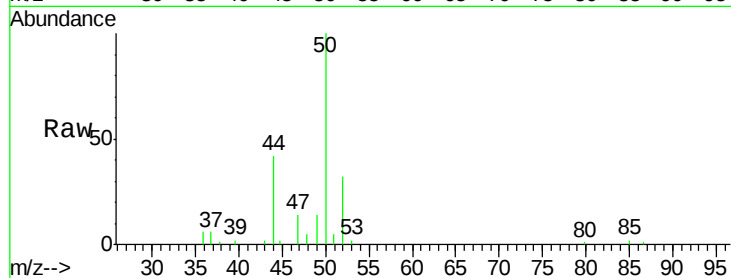
VD0622SBS02

Tot Ion: 50 Resp: 113455

Ion Ratio Lower Upper

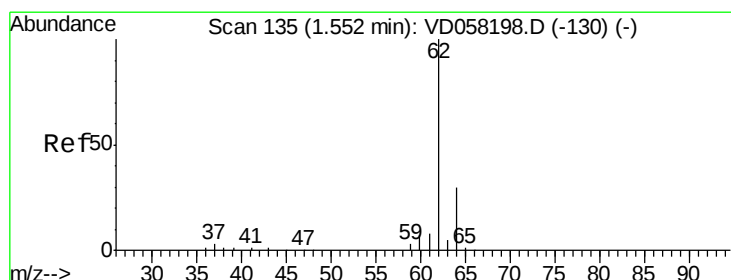
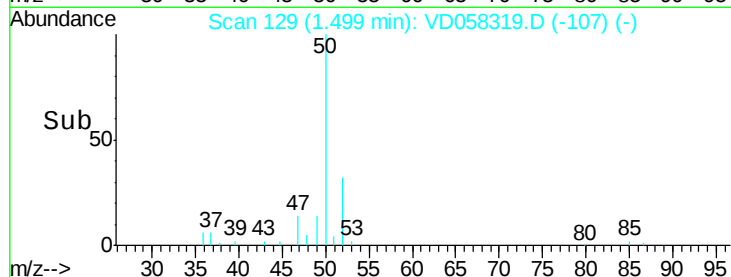
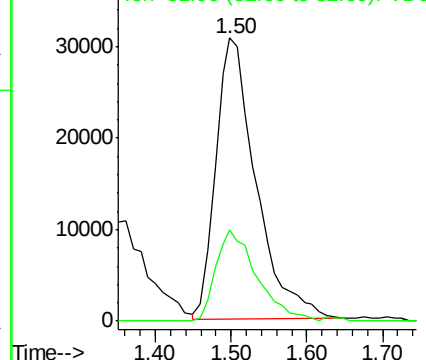
50 100

52 32.3 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.43 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD058319.D

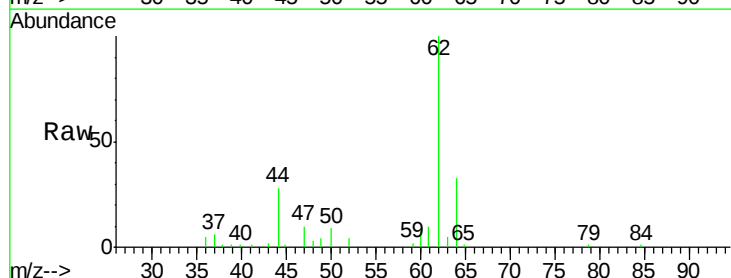
Acq: 23 Jun 2018 3:48

Tgt Ion: 62 Resp: 114175

Ion Ratio Lower Upper

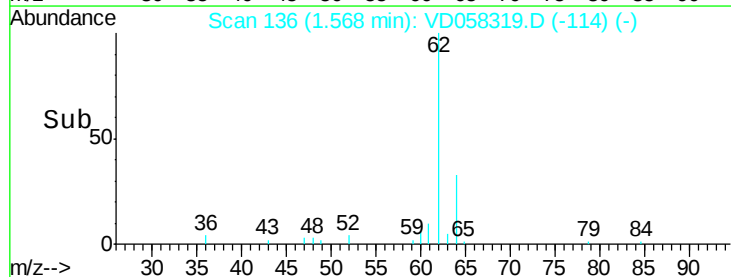
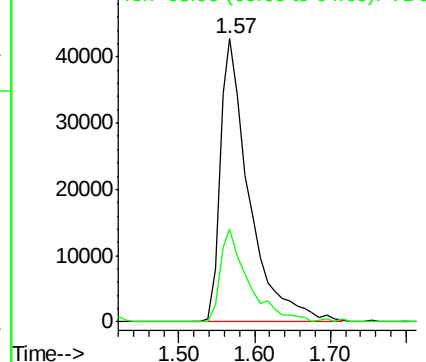
62 100

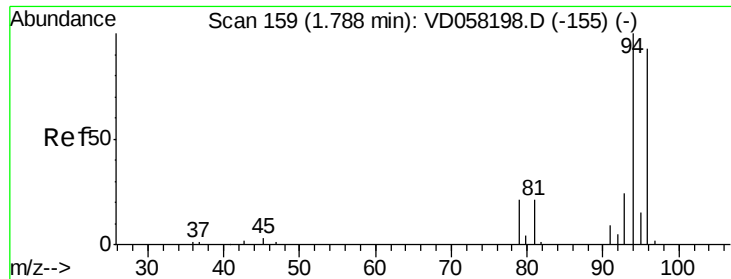
64 32.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.38 ug/l

RT: 1.80 min Scan# 160

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

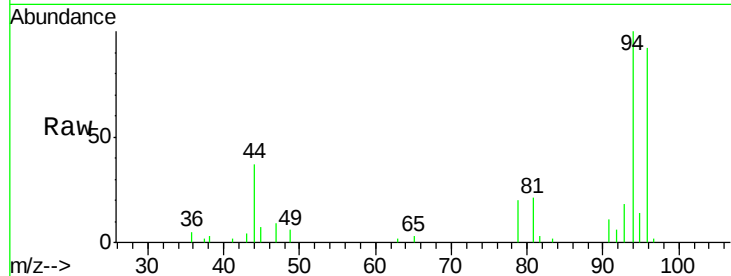
VD0622SBSD02

Tot Ion: 94 Resp: 37383

Ion Ratio Lower Upper

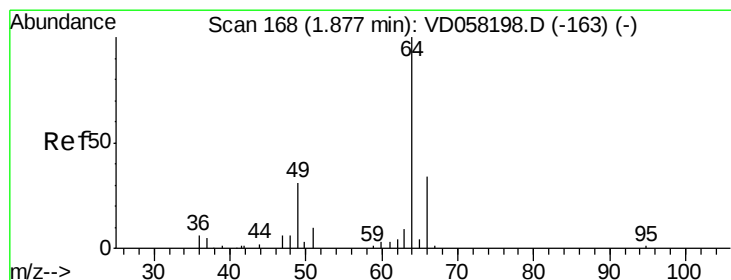
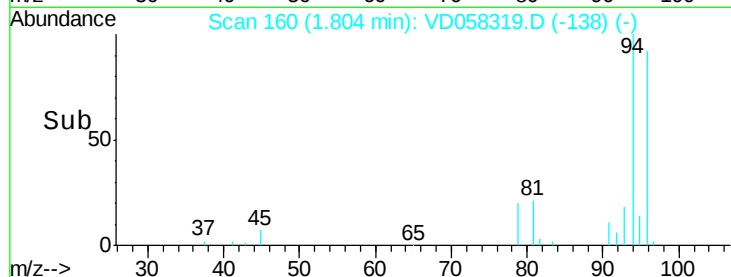
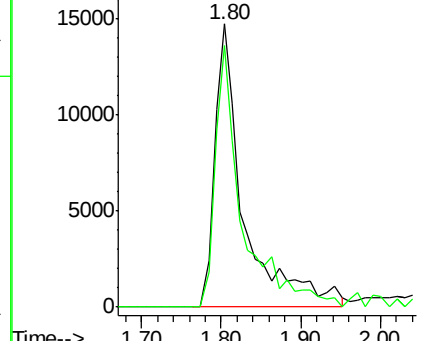
94 100

96 92.4 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.79 ug/l

RT: 1.89 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD058319.D

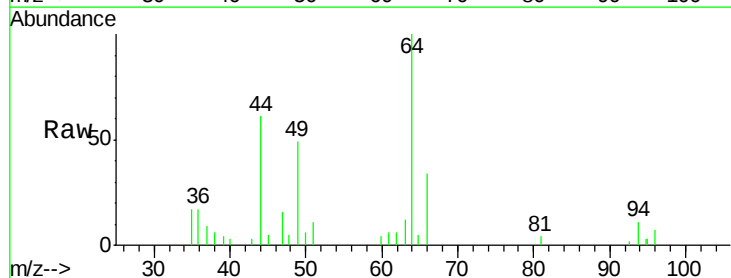
Acq: 23 Jun 2018 3:48

Tgt Ion: 64 Resp: 37626

Ion Ratio Lower Upper

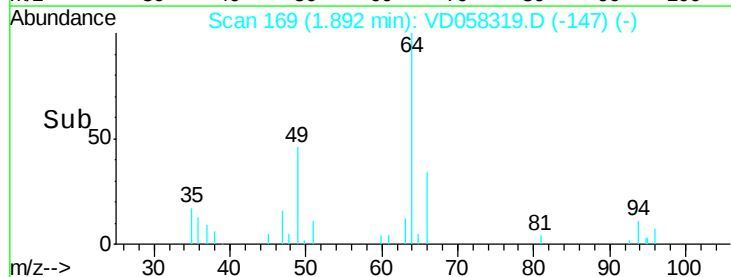
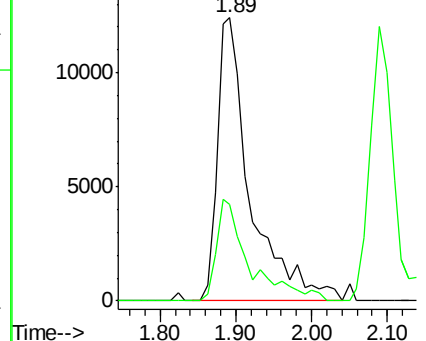
64 100

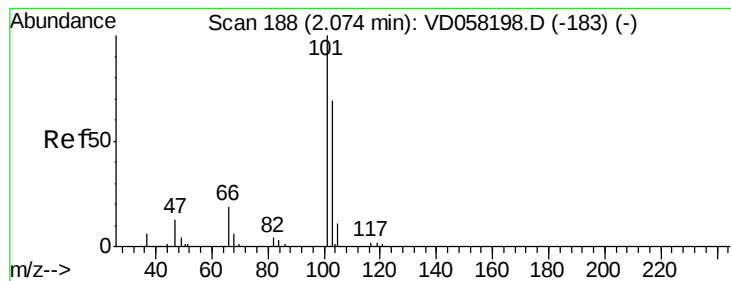
66 34.3 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 22.19 ug/l

RT: 2.09 min Scan# 189

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

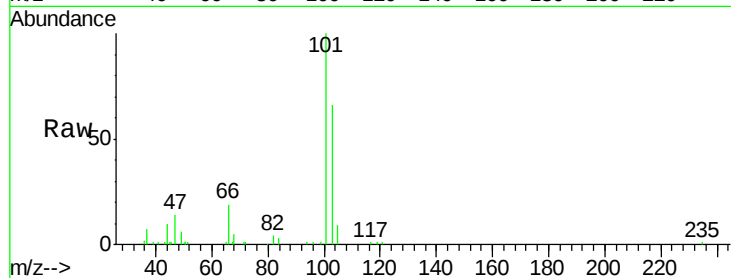
VD0622SBSD02

Tot Ion:101 Resp: 148253

Ion Ratio Lower Upper

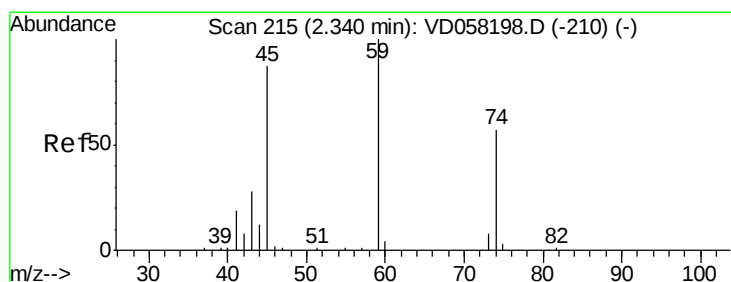
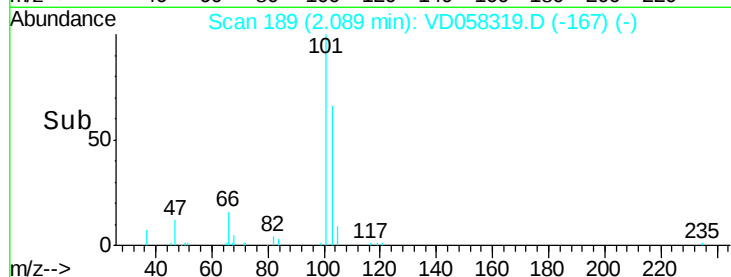
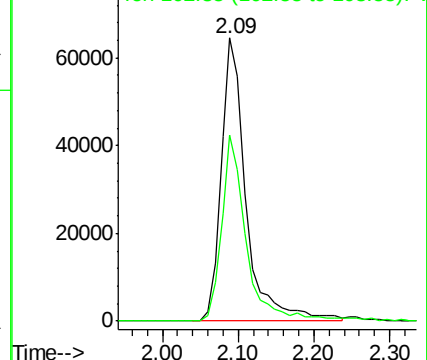
101 100

103 65.8 55.1 82.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 23.21 ug/l

RT: 2.36 min Scan# 216

Delta R.T. 0.02 min

Lab File: VD058319.D

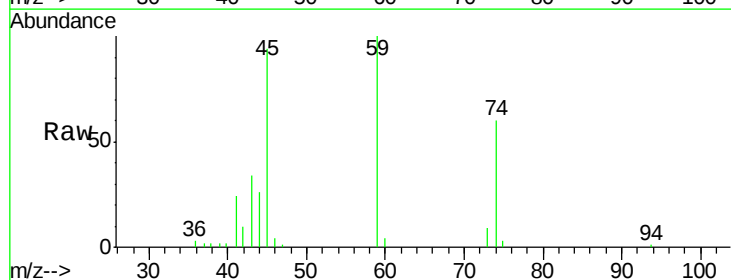
Acq: 23 Jun 2018 3:48

Tgt Ion: 74 Resp: 32803

Ion Ratio Lower Upper

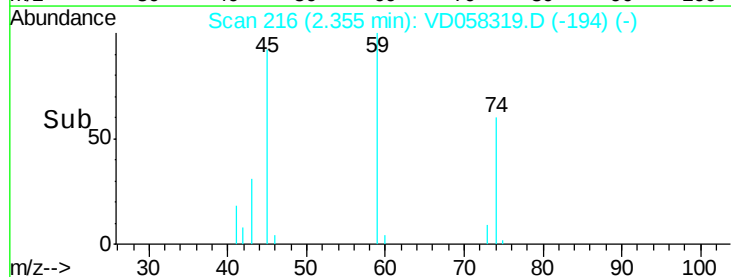
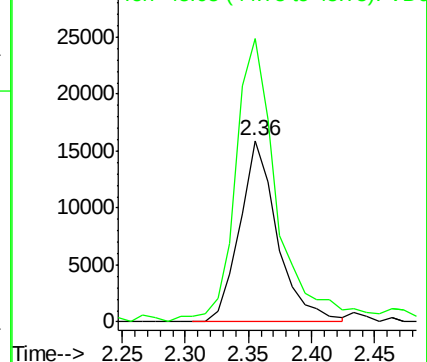
74 100

45 155.9 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

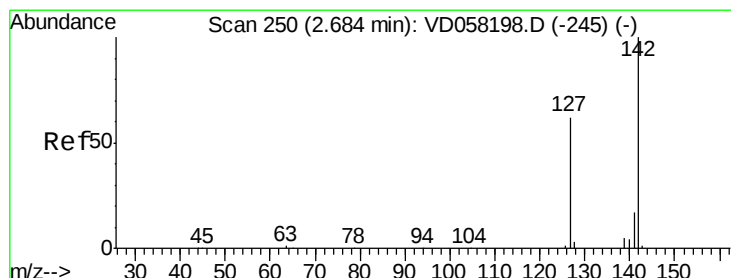
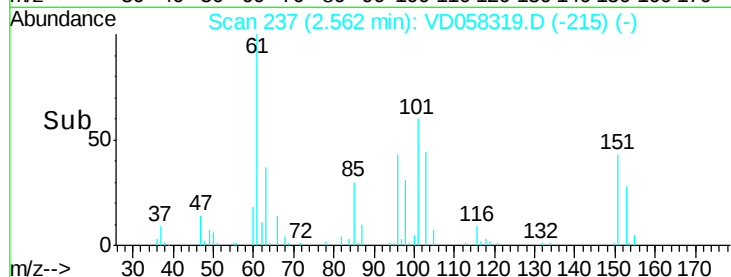
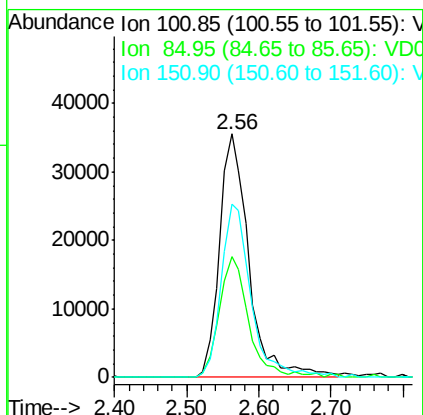
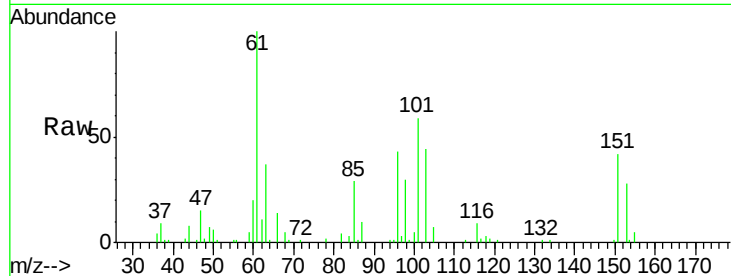




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.54 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.02 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

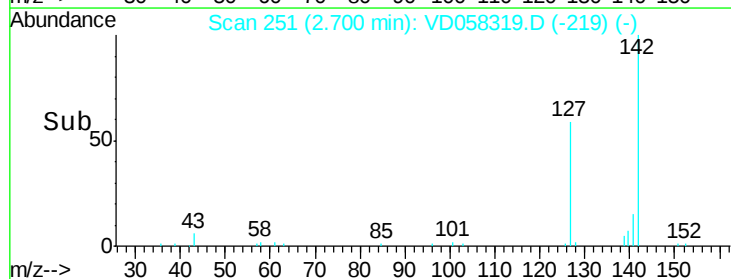
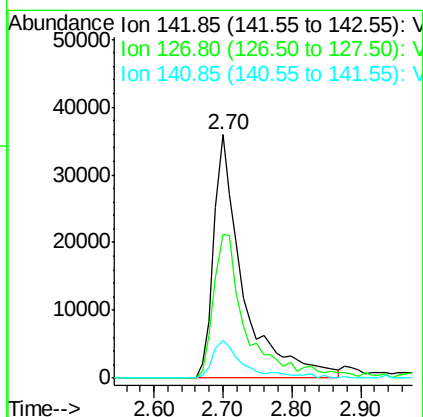
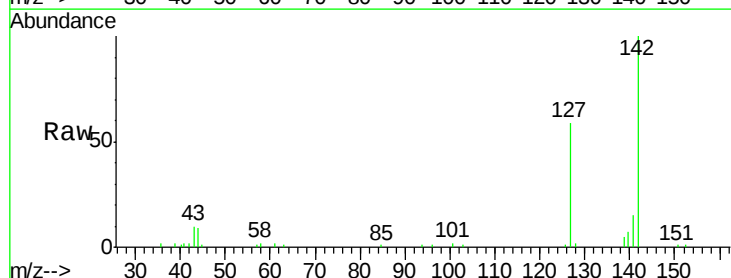
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

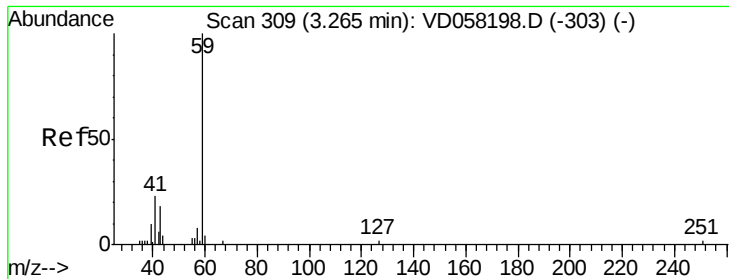
Tot Ion:101 Resp: 99978
 Ion Ratio Lower Upper
 101 100
 85 49.6 39.0 58.4
 151 71.3 61.8 92.8



#10
 Methyl Iodide
 Concen: 21.84 ug/l
 RT: 2.70 min Scan# 251
 Delta R.T. 0.02 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion:142 Resp: 105521
 Ion Ratio Lower Upper
 142 100
 127 58.9 49.4 74.0
 141 15.3 13.5 20.3



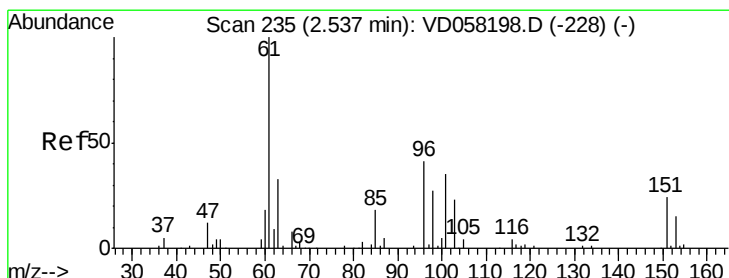
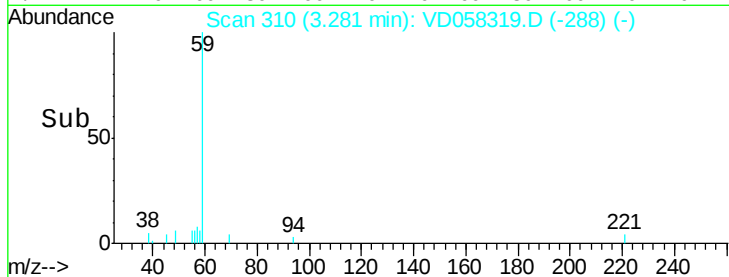
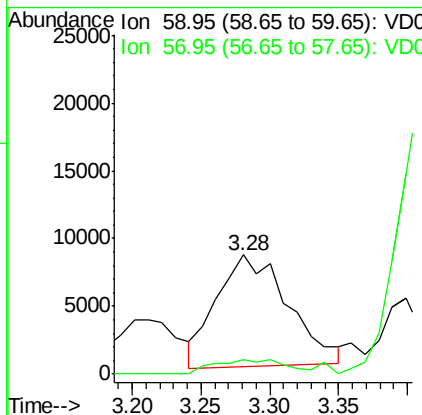
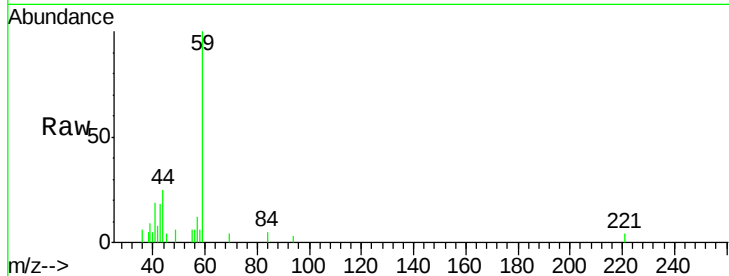


#11

Tert butyl alcohol
 Concen: 96.64 ug/l
 RT: 3.28 min Scan# 310
 Delta R.T. 0.02 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

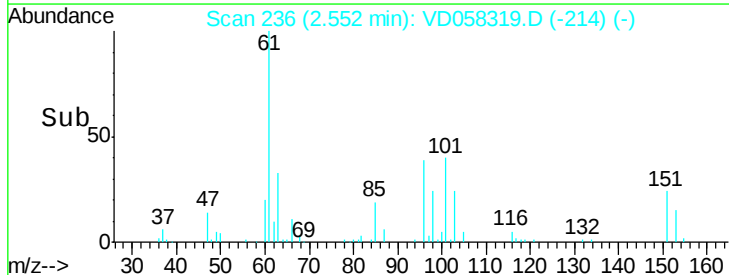
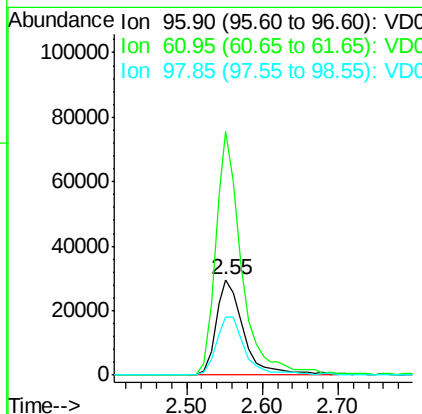
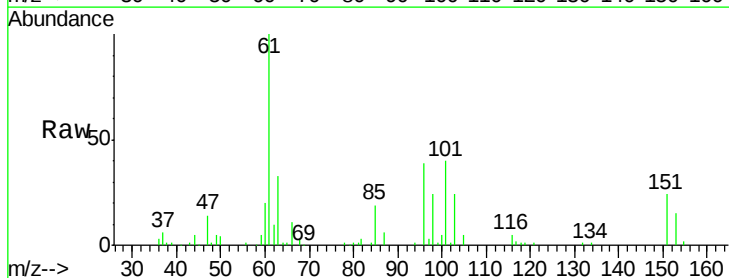
Tot Ion: 59 Resp: 29945
 Ion Ratio Lower Upper
 59 100
 57 11.9 6.2 9.4#

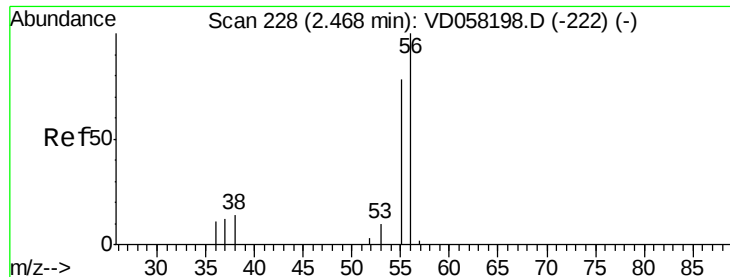


#12

1,1-Dichloroethene
 Concen: 23.45 ug/l
 RT: 2.55 min Scan# 236
 Delta R.T. 0.02 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion: 96 Resp: 74920
 Ion Ratio Lower Upper
 96 100
 61 255.6 193.9 290.9
 98 61.6 51.7 77.5





#13

Acrolein

Concen: 102.40 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

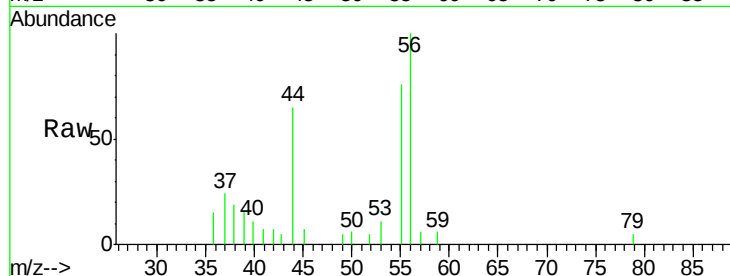
VD0622SBS02

Tot Ion: 56 Resp: 18113

Ion Ratio Lower Upper

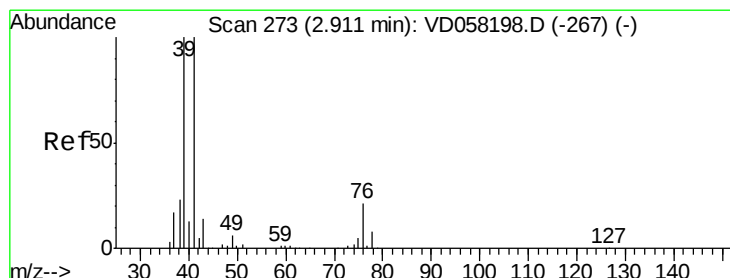
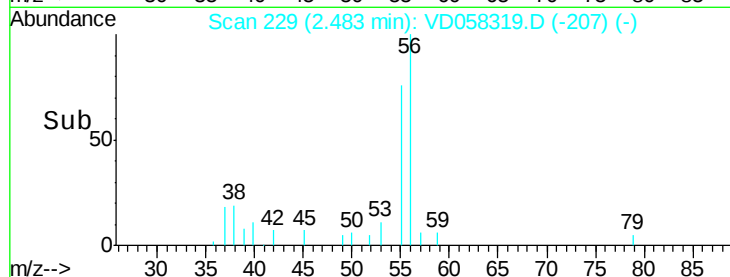
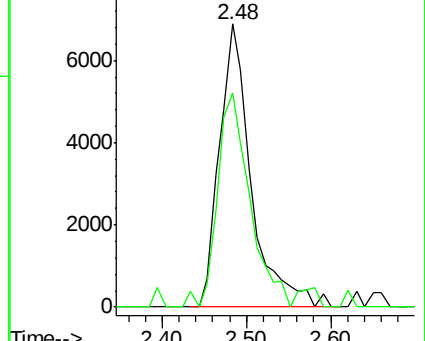
56 100

55 75.6 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.88 ug/l

RT: 2.94 min Scan# 275

Delta R.T. 0.03 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

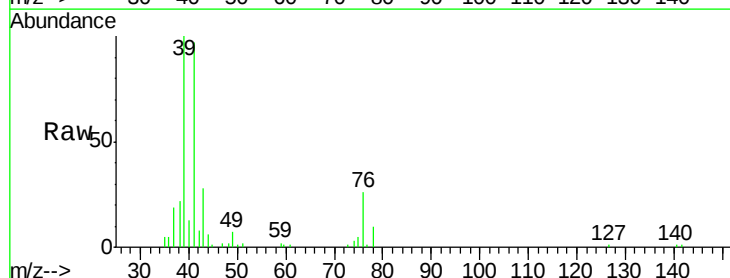
Tgt Ion: 41 Resp: 170135

Ion Ratio Lower Upper

41 100

39 103.2 80.1 120.1

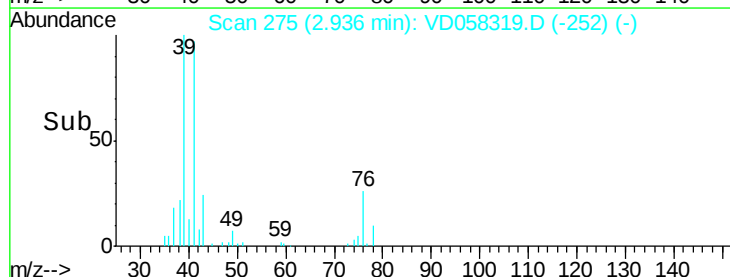
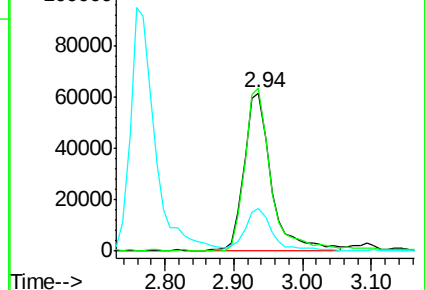
76 26.8 19.4 29.2

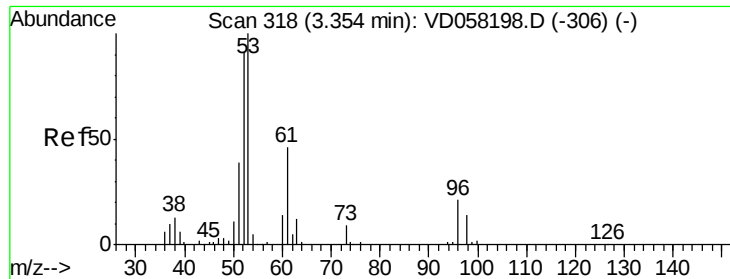


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 171.69 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.04 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

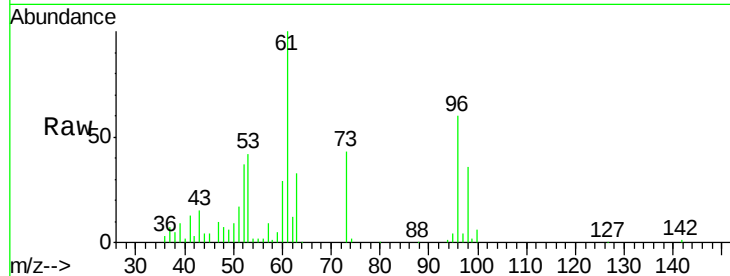
Tot Ion: 53 Resp: 141063

Ion Ratio Lower Upper

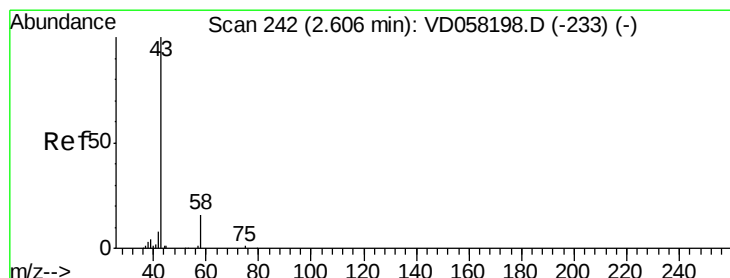
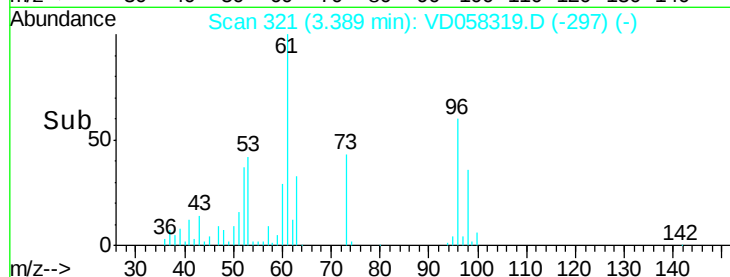
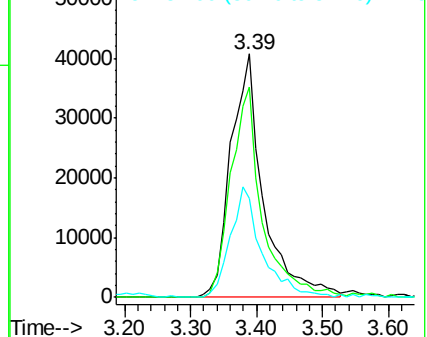
53 100

52 86.4 72.6 108.8

51 40.9 32.2 48.4



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: 96.82 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD058319.D

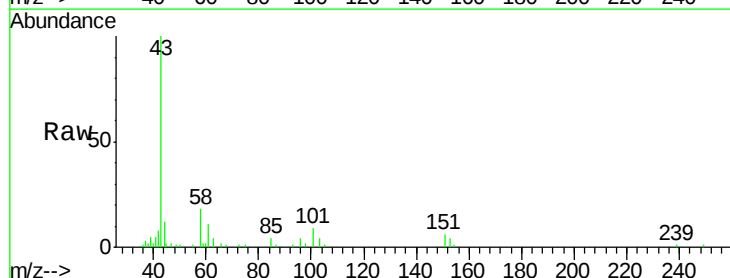
Acq: 23 Jun 2018 3:48

Tgt Ion: 43 Resp: 124394

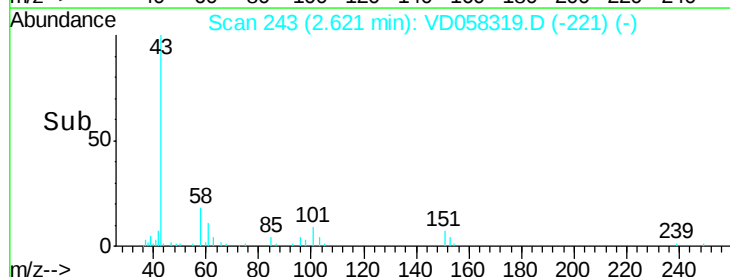
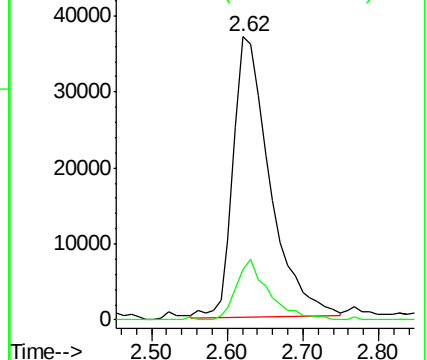
Ion Ratio Lower Upper

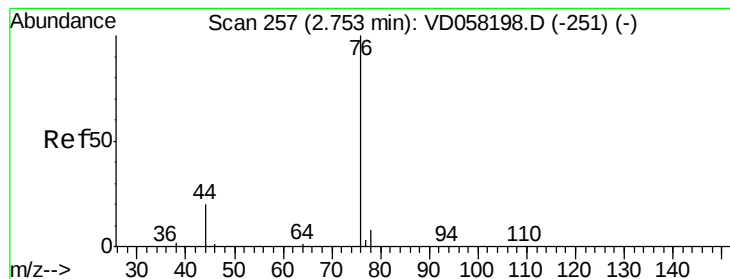
43 100

58 17.9 12.7 19.1



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





#17

Carbon Disulfide

Concen: 21.52 ug/l

RT: 2.76 min Scan# 257

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

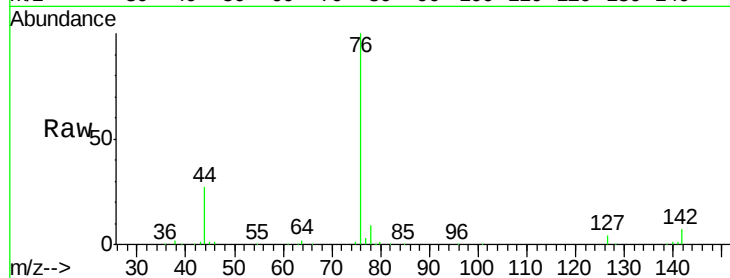
VD0622SBSD02

Tot Ion: 76 Resp: 233942

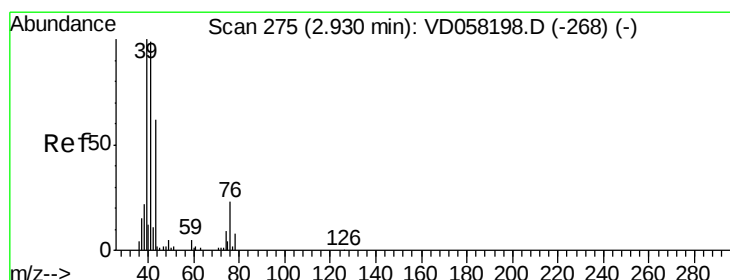
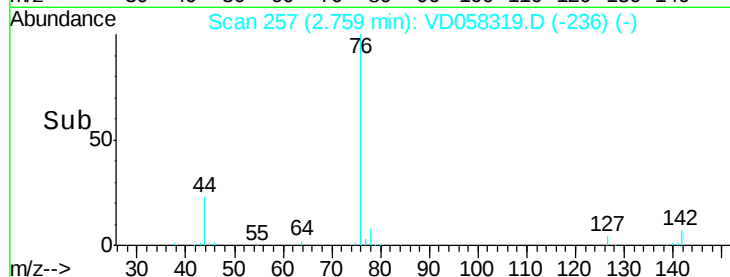
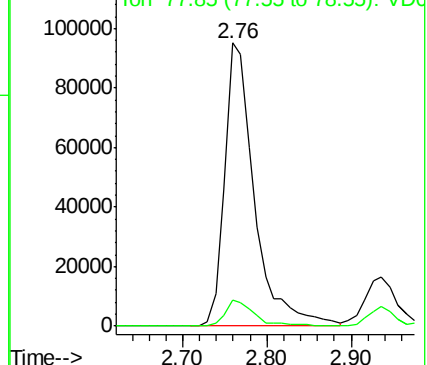
Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



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



#18

Methyl Acetate

Concen: 23.34 ug/l

RT: 2.95 min Scan# 276

Delta R.T. 0.02 min

Lab File: VD058319.D

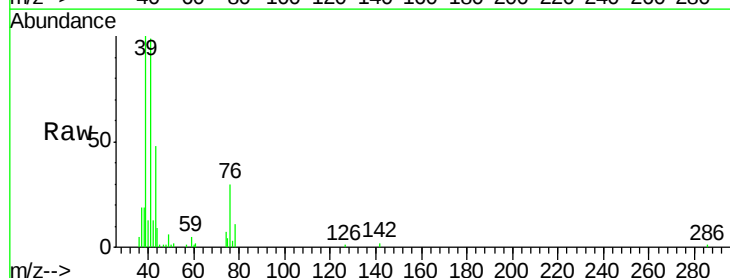
Acq: 23 Jun 2018 3:48

Tgt Ion: 43 Resp: 63953

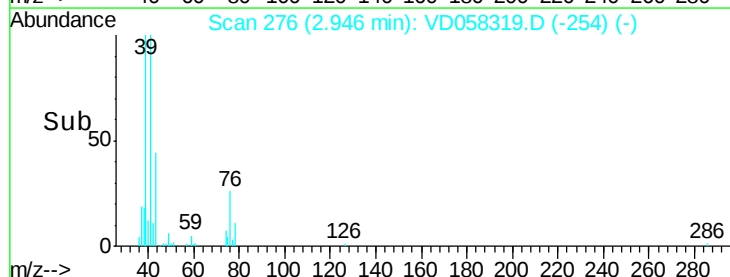
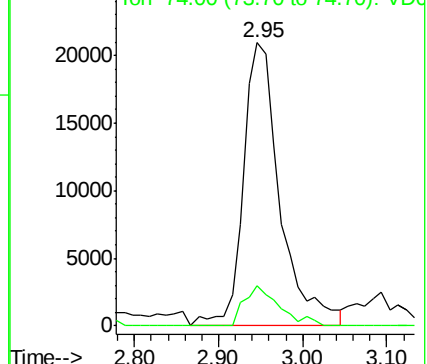
Ion Ratio Lower Upper

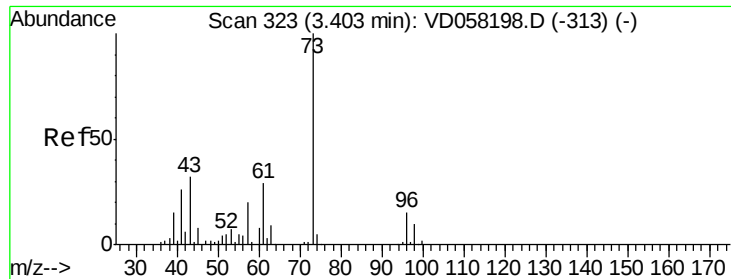
43 100

74 14.0 11.7 17.5



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

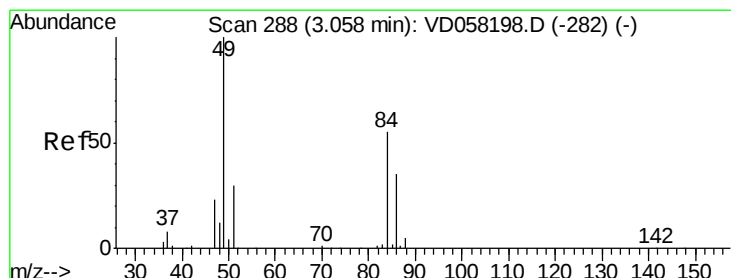
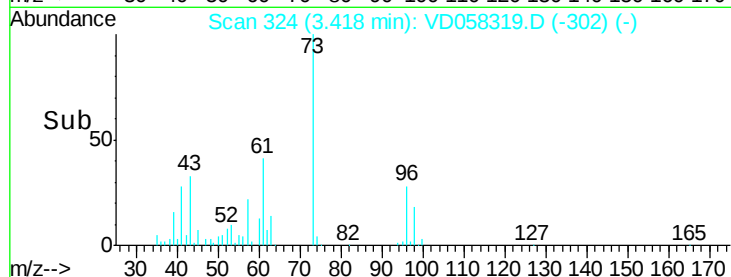
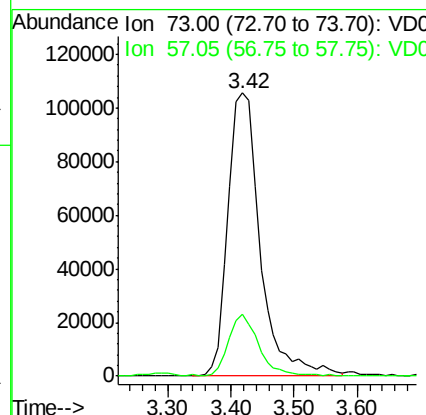
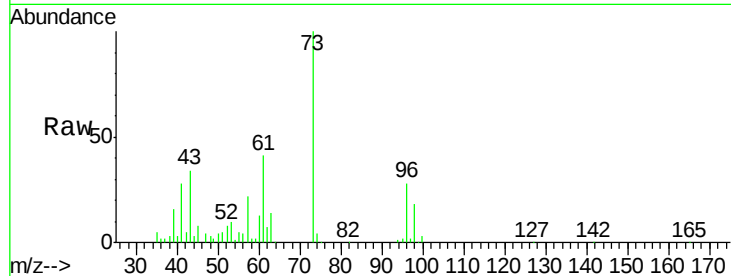




#19
Methyl tert-butyl Ether
Concen: 44.40 ug/l
RT: 3.42 min Scan# 324
Delta R.T. 0.02 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

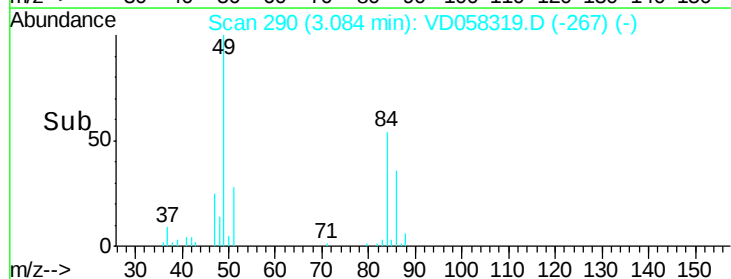
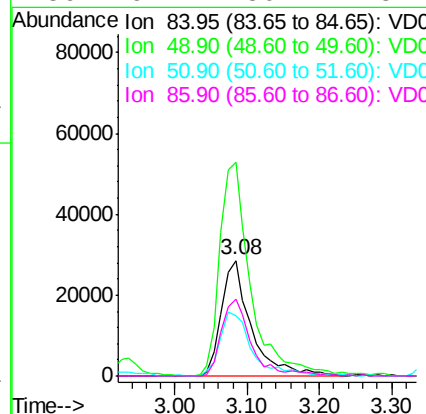
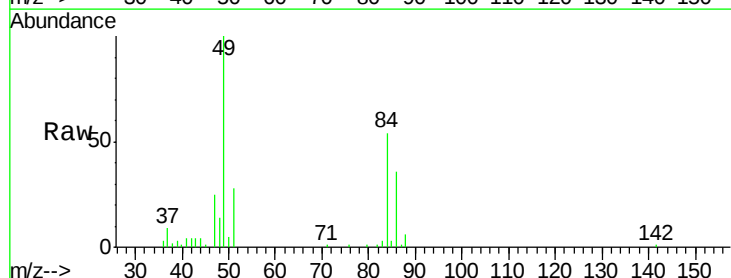
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

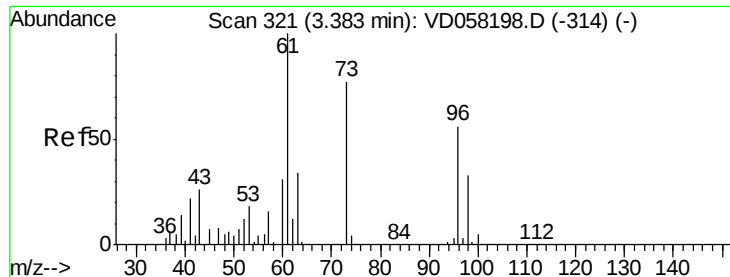
Tot Ion: 73 Resp: 376331
Ion Ratio Lower Upper
73 100
57 21.9 16.6 24.8



#20
Methylene Chloride
Concen: 21.56 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.03 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion: 84 Resp: 81398
Ion Ratio Lower Upper
84 100
49 185.3 145.0 217.6
51 51.7 42.9 64.3
86 67.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 49.27 ug/l

RT: 3.40 min Scan# 322

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD02

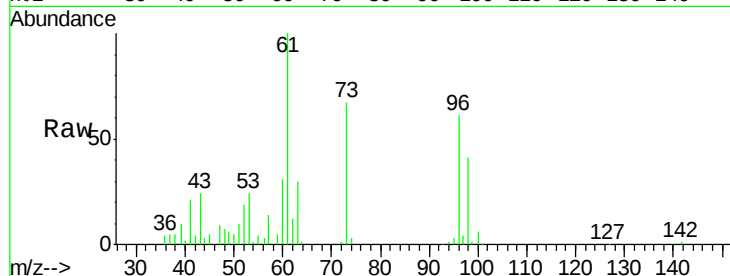
Tot Ion: 96 Resp: 172074

Ion Ratio Lower Upper

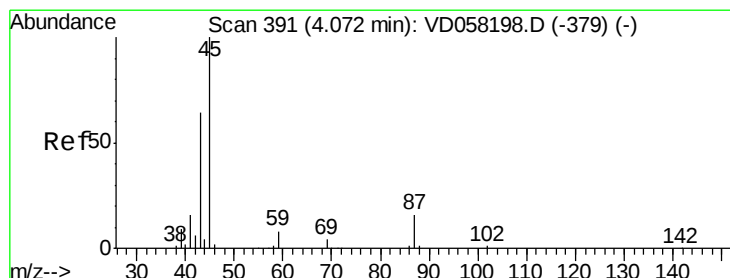
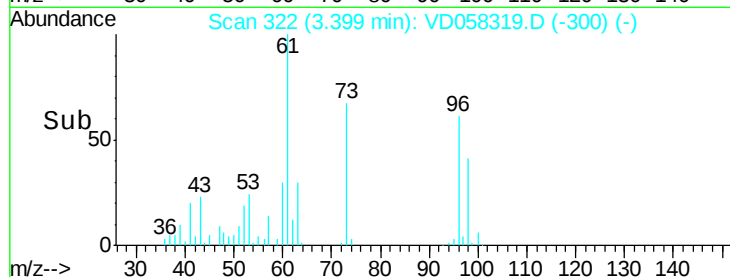
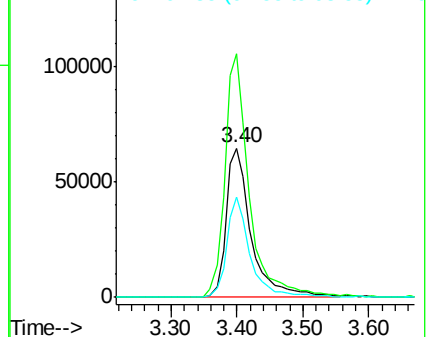
96 100

61 163.4 143.8 215.6

98 67.3 48.0 72.0



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: 22.16 ug/l

RT: 4.09 min Scan# 392

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Tgt Ion: 45 Resp: 654442

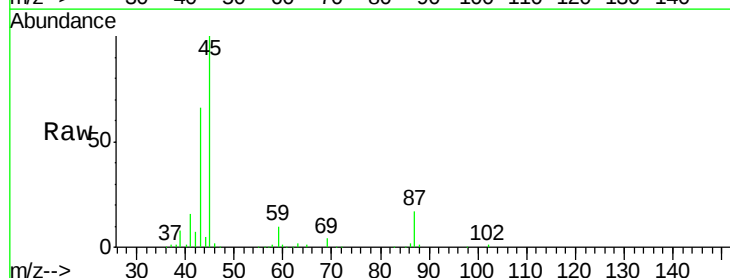
Ion Ratio Lower Upper

45 100

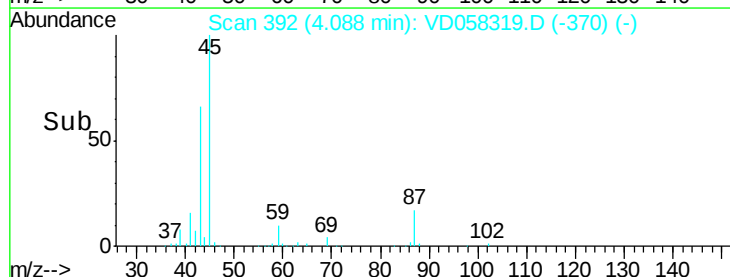
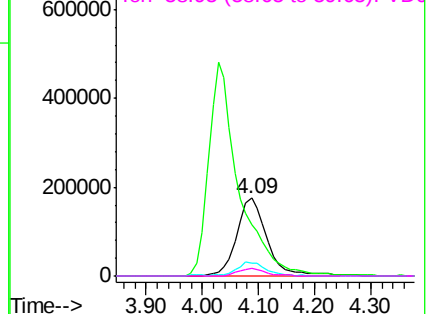
43 66.2 51.4 77.0

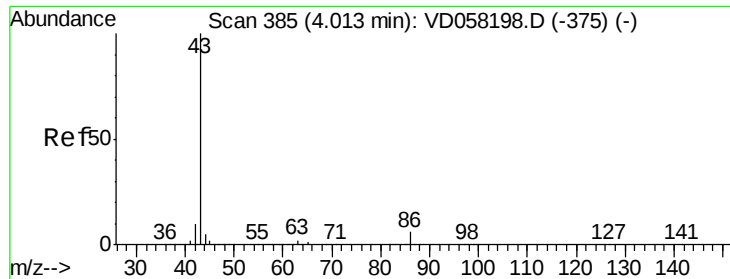
87 17.0 13.0 19.4

59 9.7 6.9 10.3



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: 113.46 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleID :

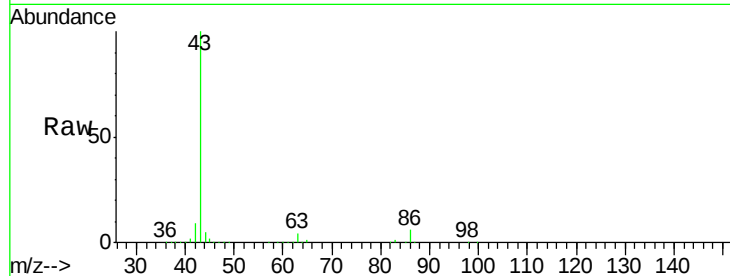
VD0622SBS02

Tot Ion: 43 Resp: 1796641

Ion Ratio Lower Upper

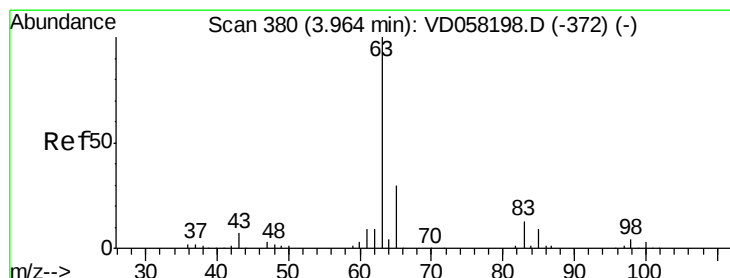
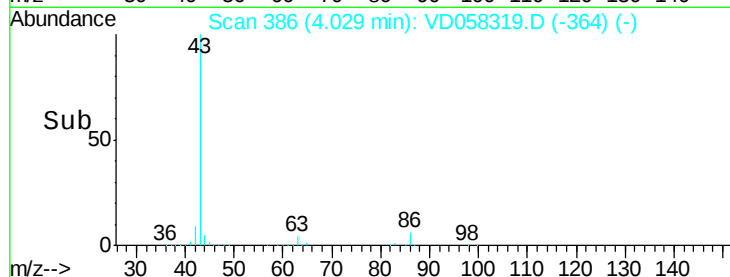
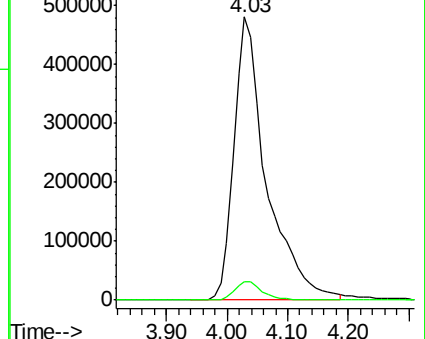
43 100

86 6.3 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 24.53 ug/l

RT: 3.99 min Scan# 382

Delta R.T. 0.03 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

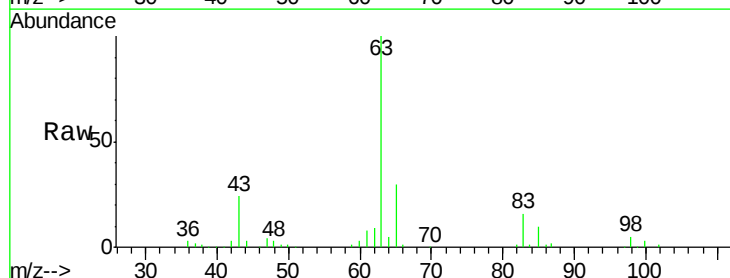
Tgt Ion: 63 Resp: 390317

Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

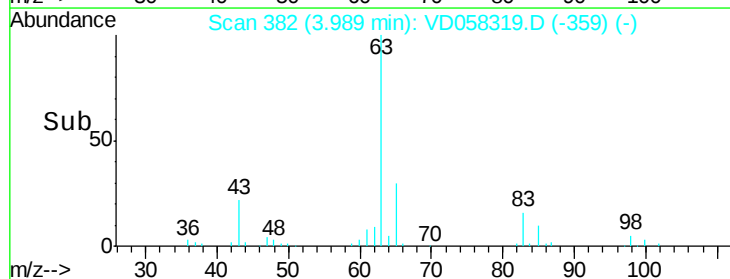
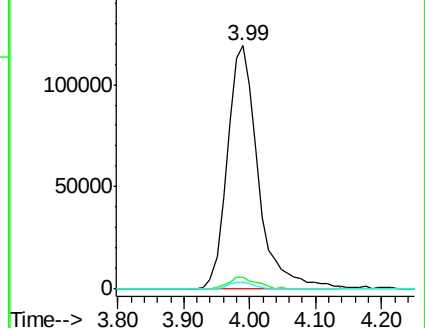
100 2.8 1.3 3.9

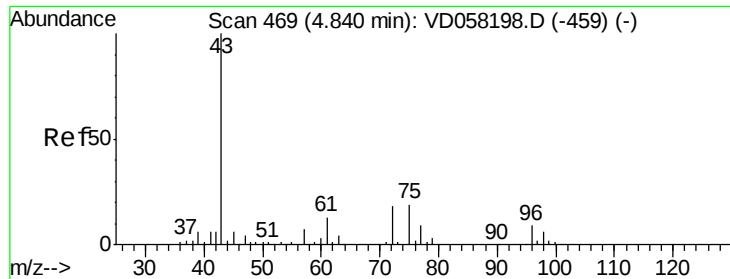


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 111.49 ug/l

RT: 4.86 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

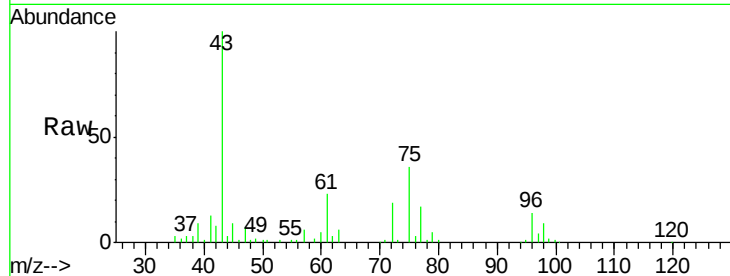
VD0622SBSD02

Tot Ion: 43 Resp: 312215

Ion Ratio Lower Upper

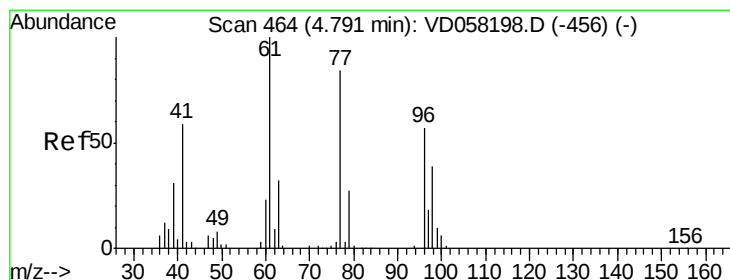
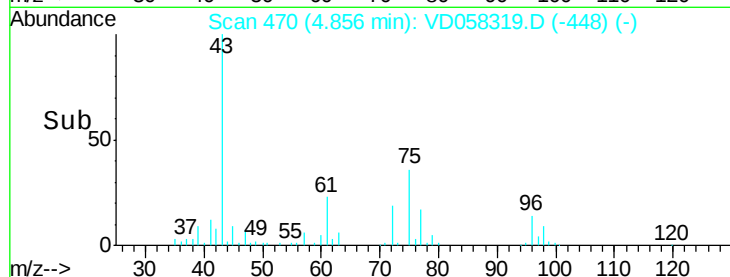
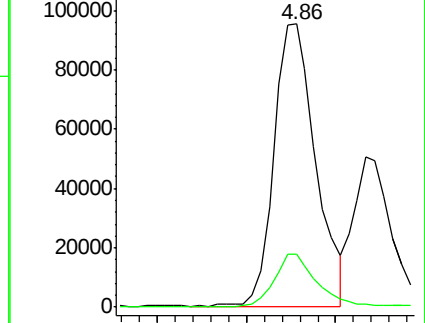
43 100

72 18.8 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.75 ug/l

RT: 4.81 min Scan# 465

Delta R.T. 0.02 min

Lab File: VD058319.D

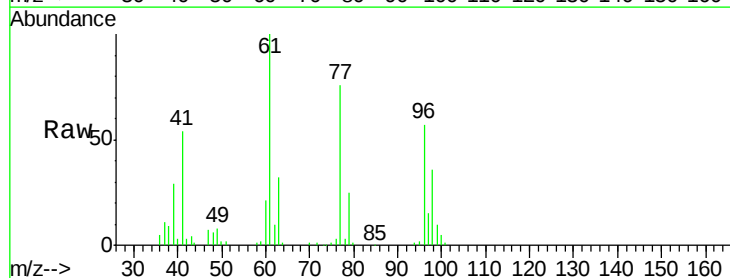
Acq: 23 Jun 2018 3:48

Tgt Ion: 77 Resp: 276456

Ion Ratio Lower Upper

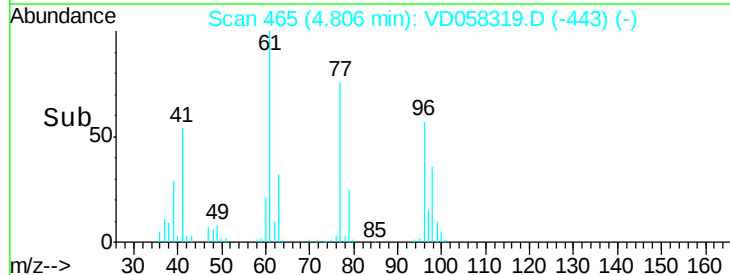
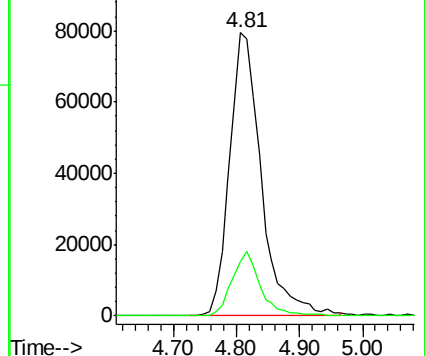
77 100

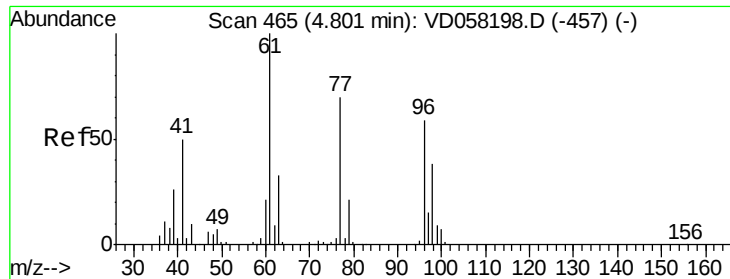
97 19.4 10.5 31.6



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: 24.61 ug/l

RT: 4.82 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD02

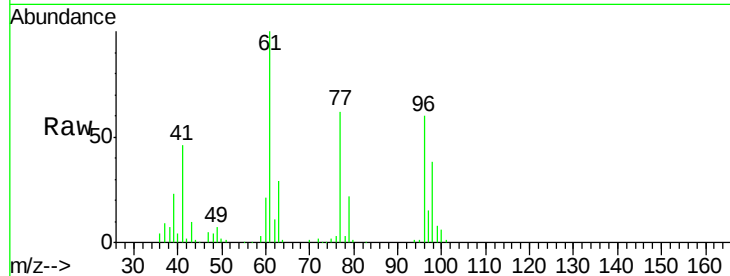
Tot Ion: 96 Resp: 214752

Ion Ratio Lower Upper

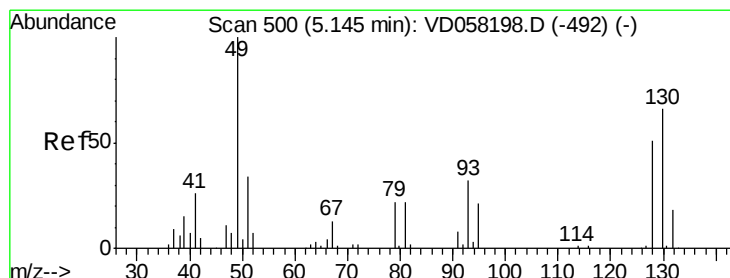
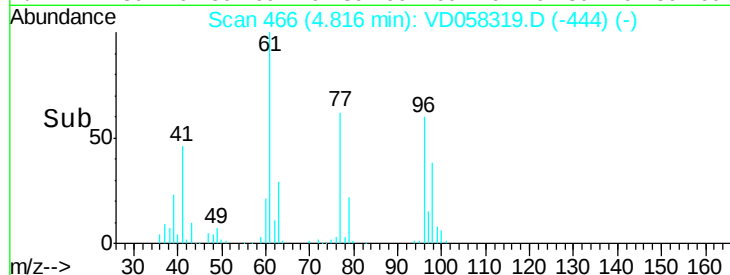
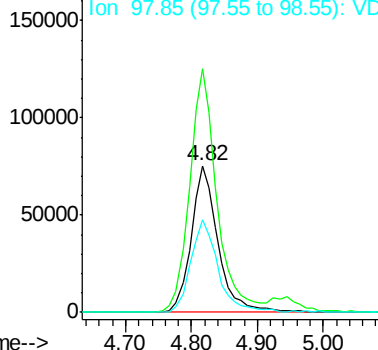
96 100

61 166.4 0.0 338.6

98 63.5 0.0 130.2



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



#28

Bromochloromethane

Concen: 23.08 ug/l

RT: 5.16 min Scan# 501

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

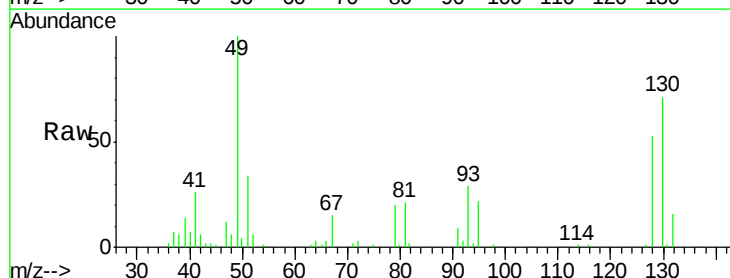
Tgt Ion: 49 Resp: 164631

Ion Ratio Lower Upper

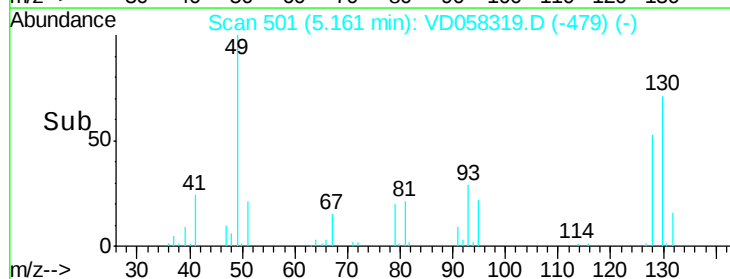
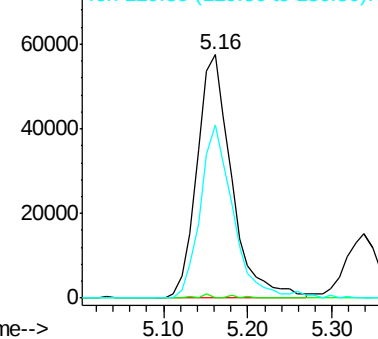
49 100

129 0.0 0.0 0.0

130 71.2 52.6 79.0



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

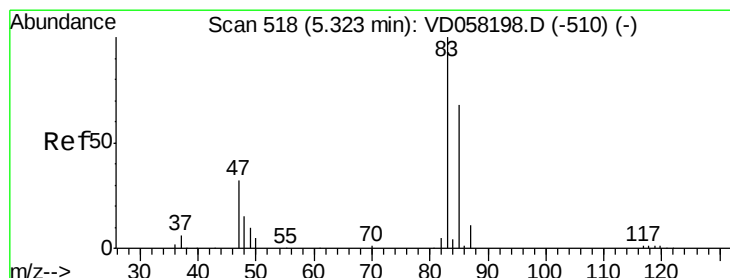
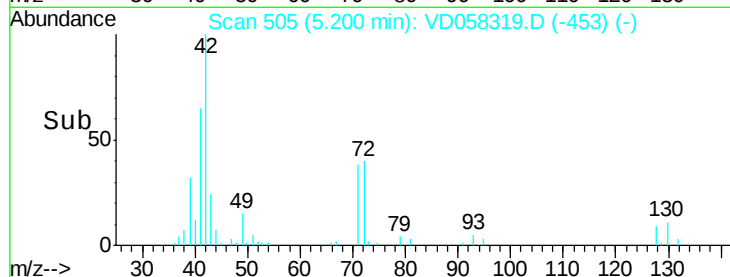
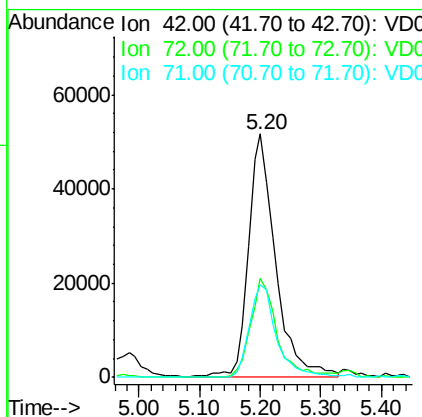
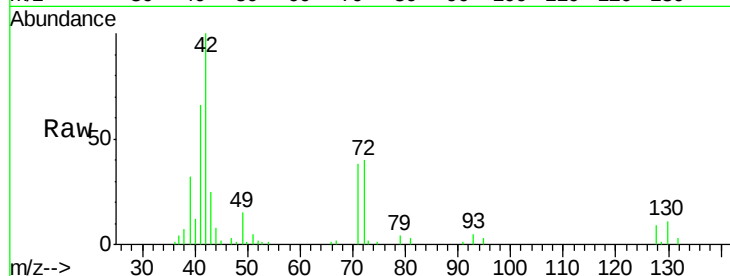




#29
Tetrahydrofuran
Concen: 108.25 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.02 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

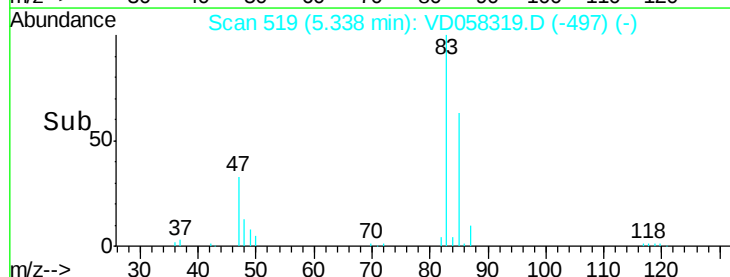
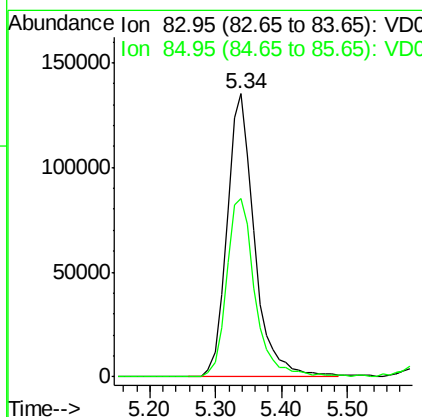
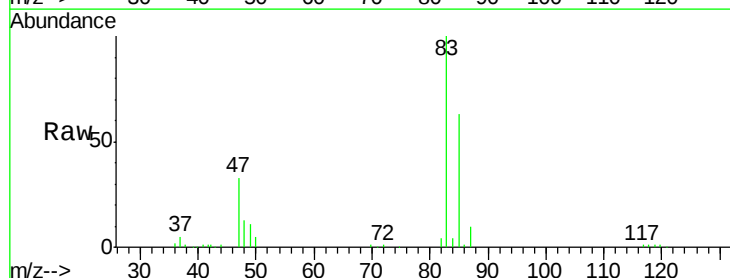
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

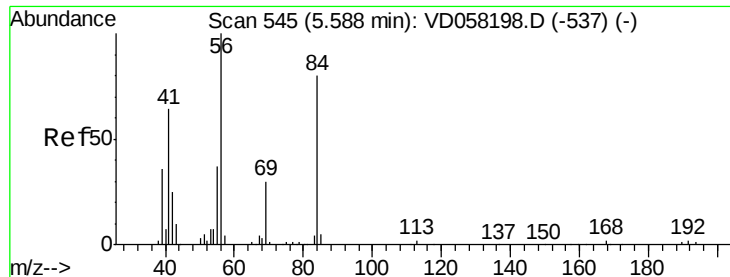
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	30.2	45.2
71	38.5	30.1	45.1



#30
Chloroform
Concen: 23.50 ug/l
RT: 5.34 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	54.8	82.2





#31

Cyclohexane

Concen: 23.28 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

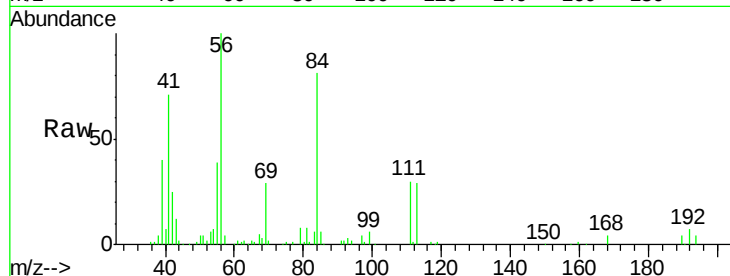
Tot Ion: 56 Resp: 301263

Ion Ratio Lower Upper

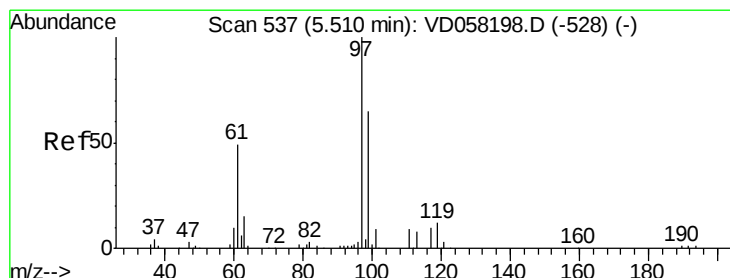
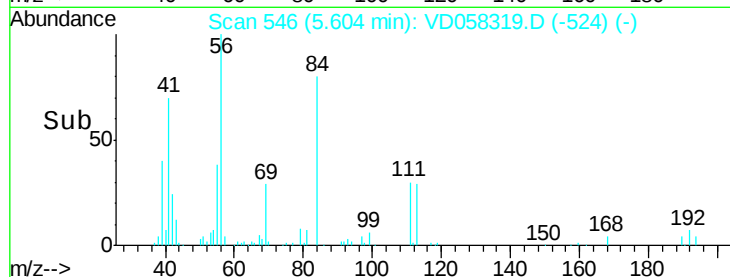
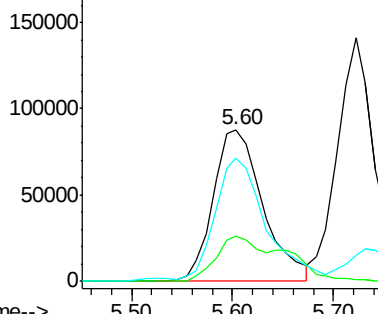
56 100

69 29.5 23.6 35.4

84 81.1 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 23.42 ug/l

RT: 5.53 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

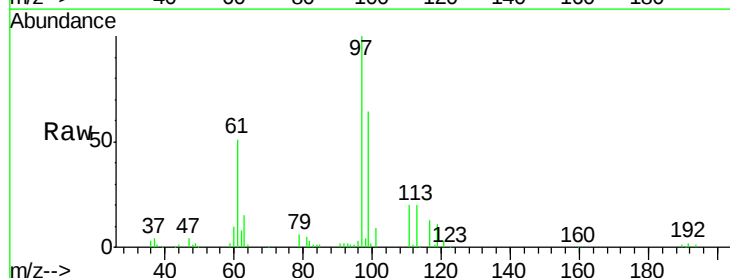
Tgt Ion: 97 Resp: 325088

Ion Ratio Lower Upper

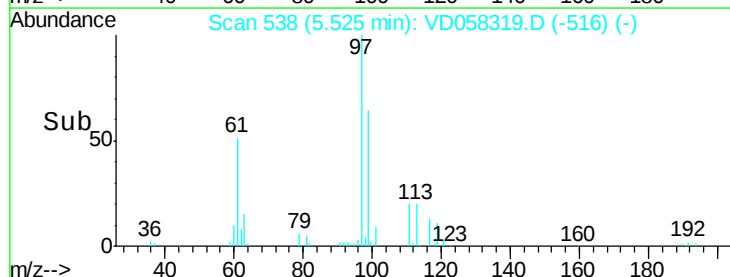
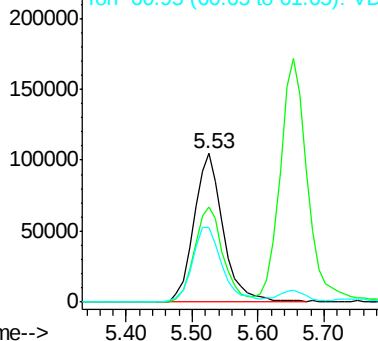
97 100

99 64.0 52.2 78.4

61 50.6 39.0 58.4



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

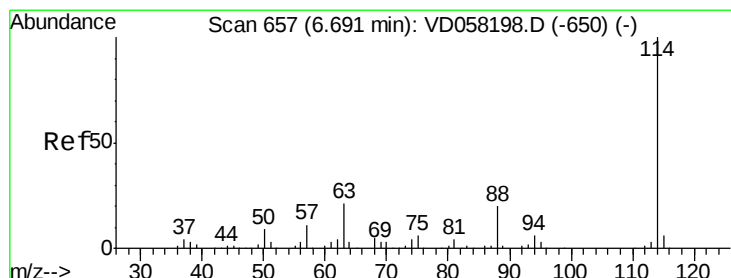
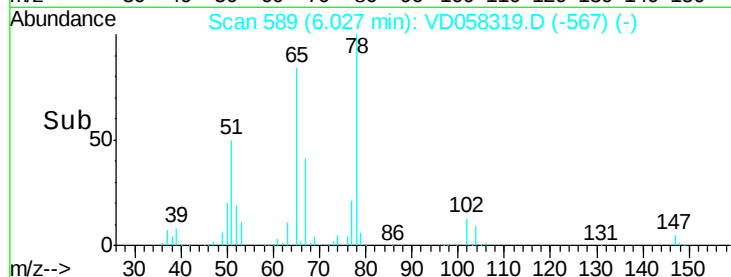
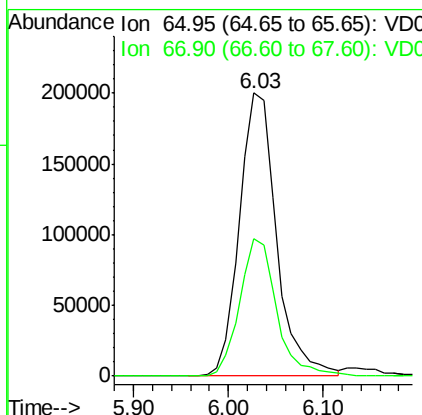
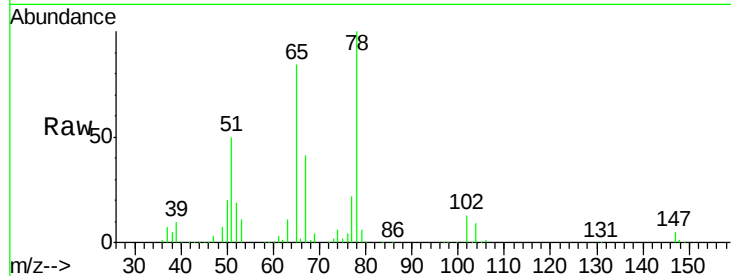




#33
 1,2-Dichloroethane-d4
 Concen: 23.42 ug/l
 RT: 6.03 min Scan# 589
 Delta R.T. 0.02 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

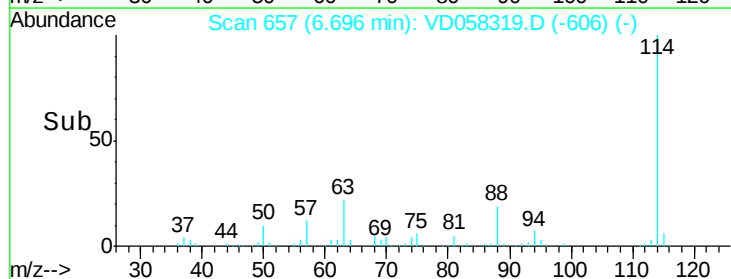
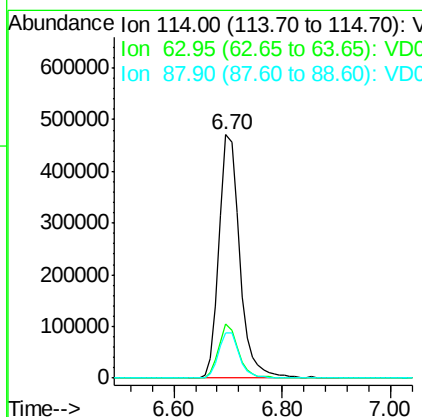
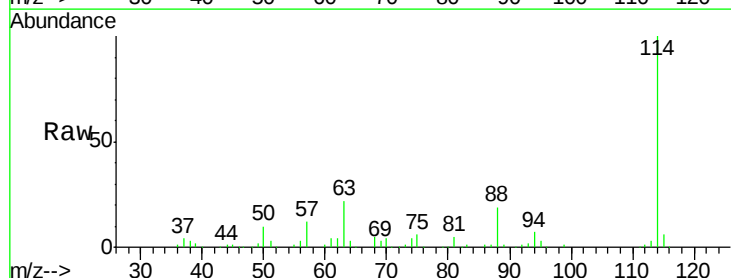
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

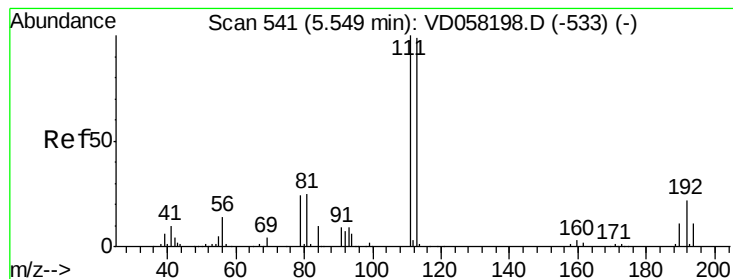
Tot Ion: 65 Resp: 544795
 Ion Ratio Lower Upper
 65 100
 67 48.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion: 114 Resp: 1247194
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.6
 88 18.5 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

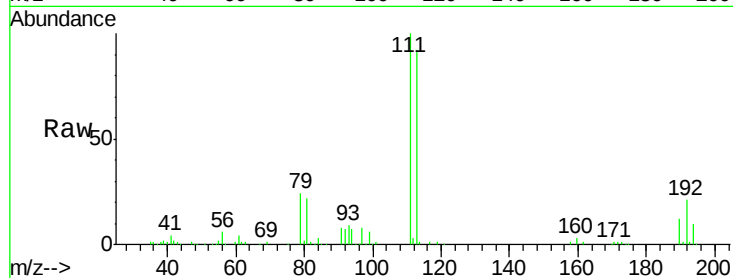
Tot Ion:113 Resp: 566534

Ion Ratio Lower Upper

113 100

111 108.2 80.6 121.0

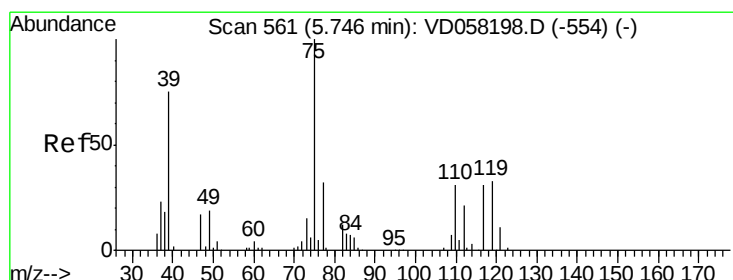
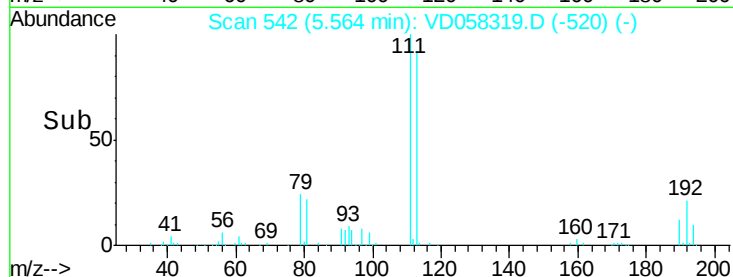
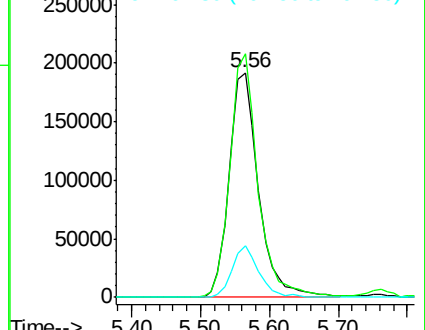
192 23.2 17.8 26.6



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: 22.34 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

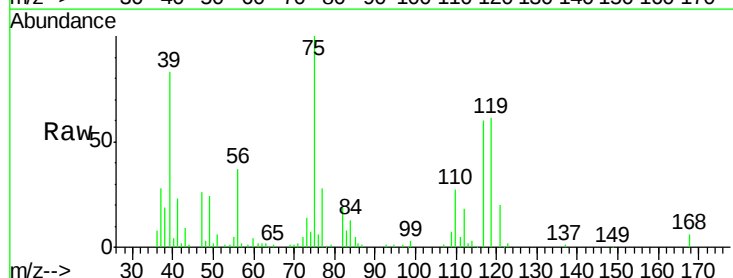
Tgt Ion: 75 Resp: 275654

Ion Ratio Lower Upper

75 100

110 27.4 15.4 46.4

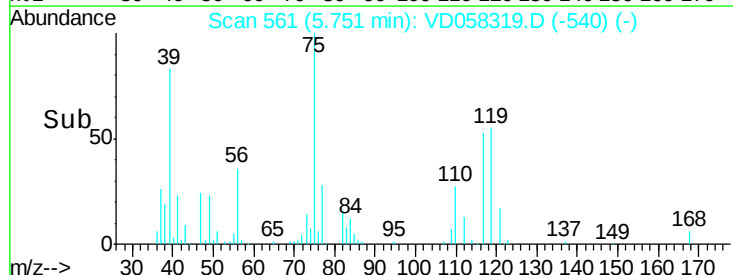
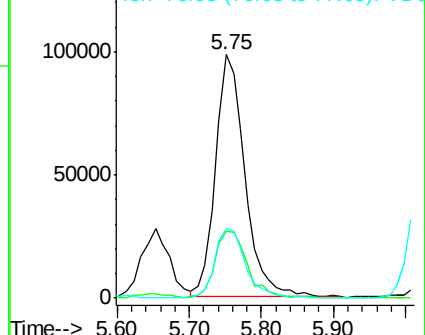
77 28.4 25.4 38.2

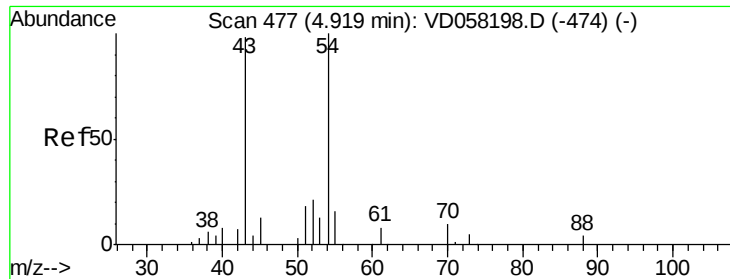


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

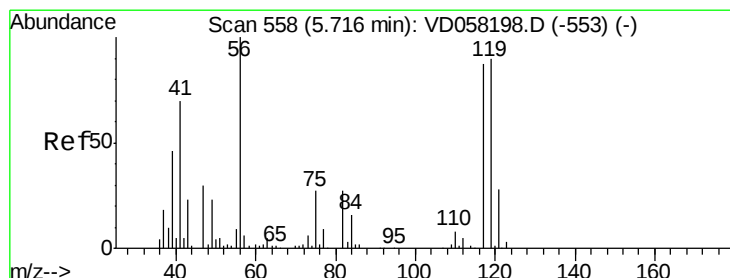
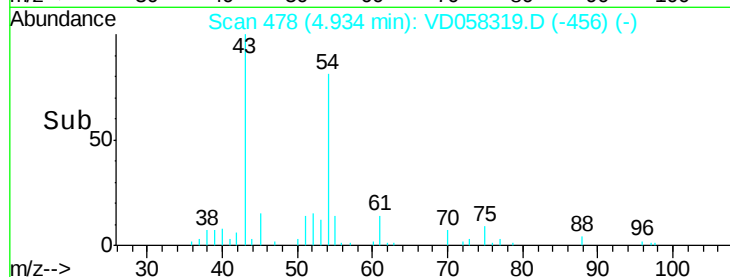
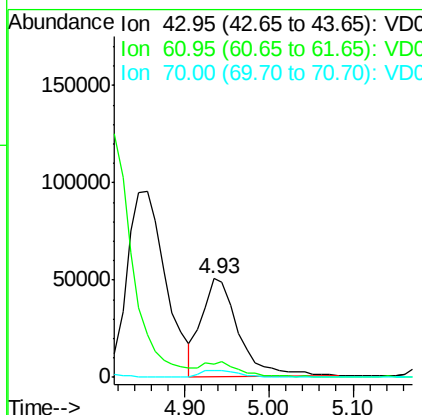
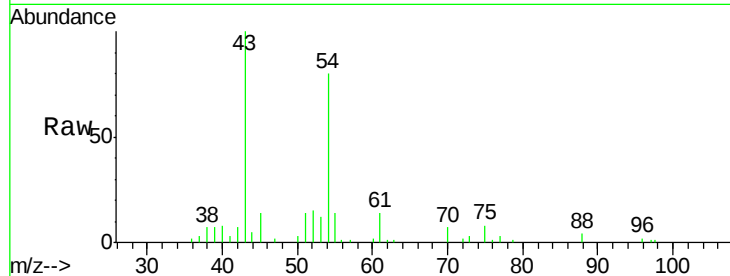




#37
Ethyl Acetate
Concen: 21.61 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

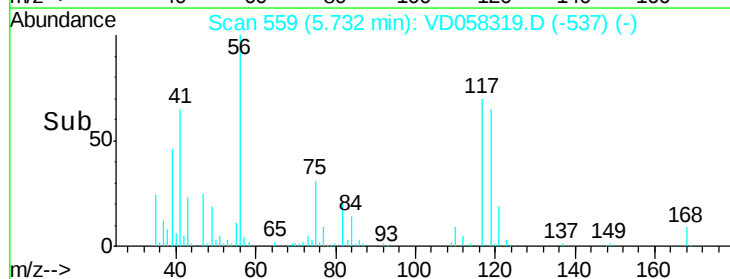
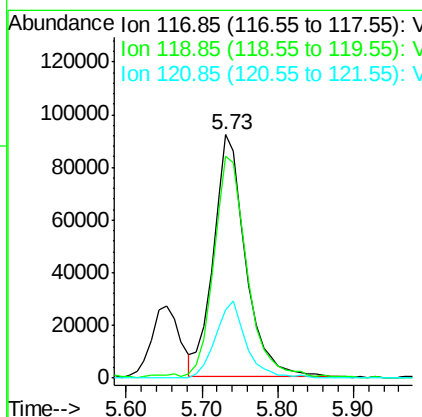
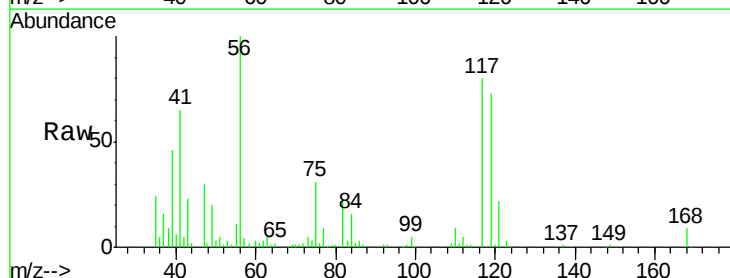
Instrument :
MSVOA_D
ClientSampleID :
VD0622SBS02

Tot Ion: 43 Resp: 151903
Ion Ratio Lower Upper
43 100
61 13.7 10.3 15.5
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 22.14 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.02 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion: 117 Resp: 271465
Ion Ratio Lower Upper
117 100
119 91.4 78.8 118.2
121 27.9 25.0 37.6





#39

Methvlcvclohexane

Concen: 21.68 ug/l

RT: 7.29 min Scan# 717

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

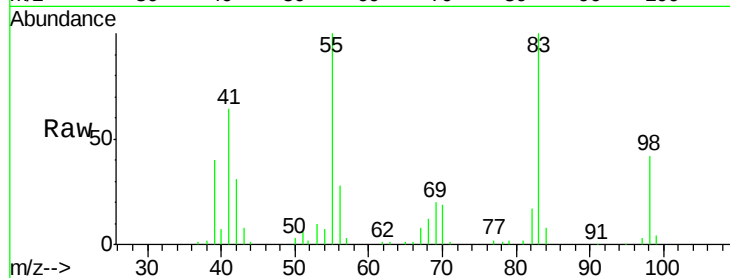
Tot Ion: 83 Resp: 260566

Ion Ratio Lower Upper

83 100

55 100.3 77.4 116.2

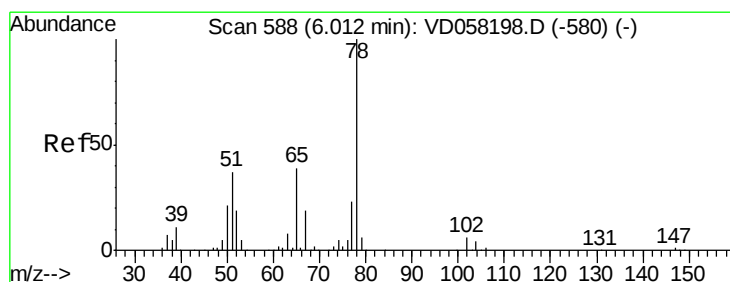
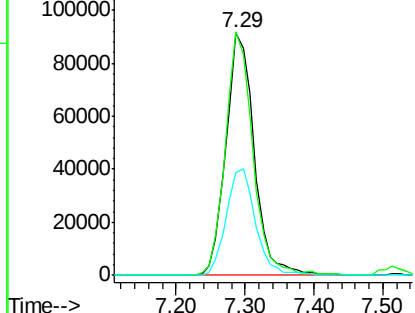
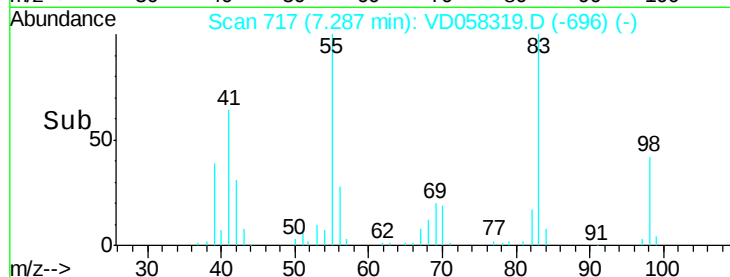
98 42.3 35.9 53.9



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: 22.02 ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058319.D

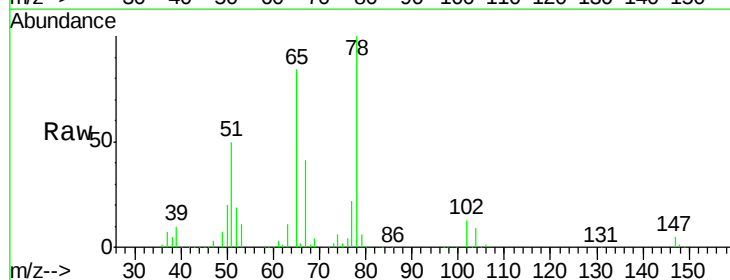
Acq: 23 Jun 2018 3:48

Tgt Ion: 78 Resp: 647104

Ion Ratio Lower Upper

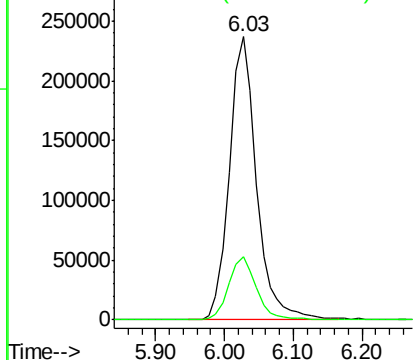
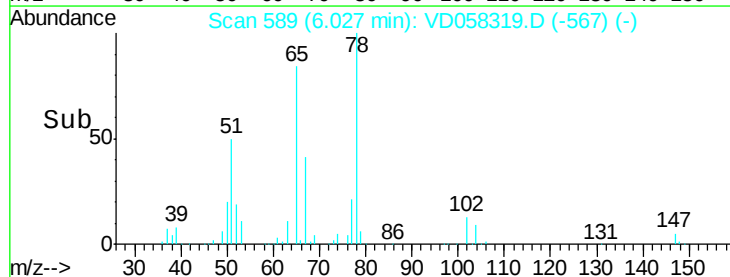
78 100

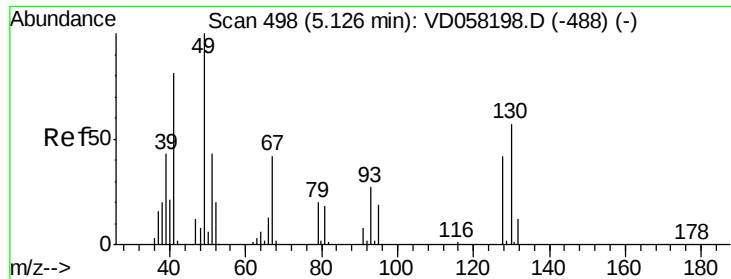
77 22.4 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

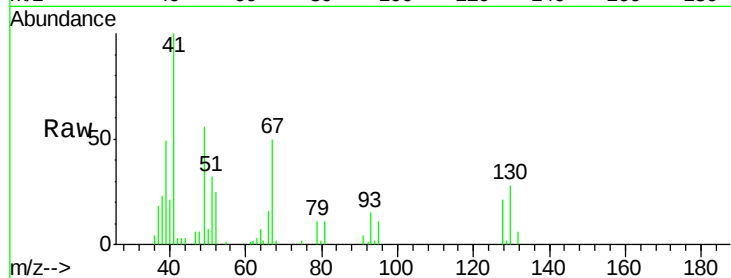




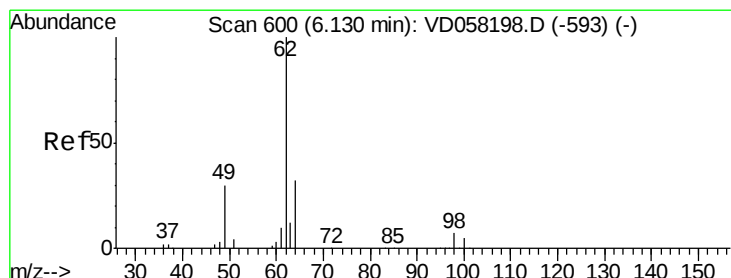
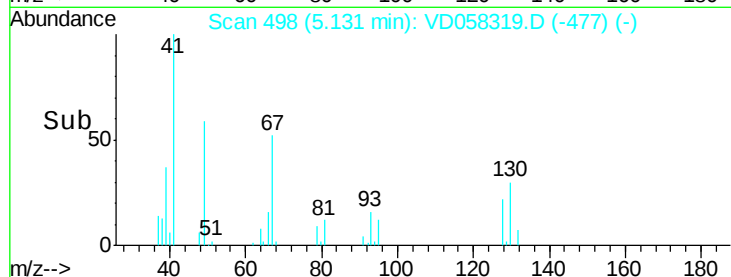
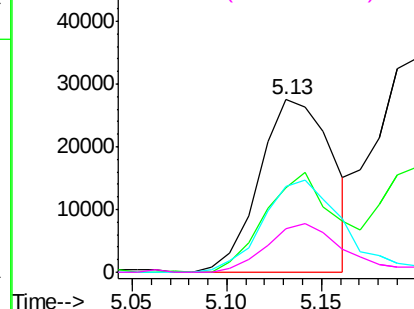
#41
Methacrylonitrile
Concen: 21.79 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion:	41	Resp:	73977
Ion	Ratio	Lower	Upper
41	100		
39	49.1	43.4	65.2
67	49.5	41.7	62.5
52	25.0	20.6	30.8

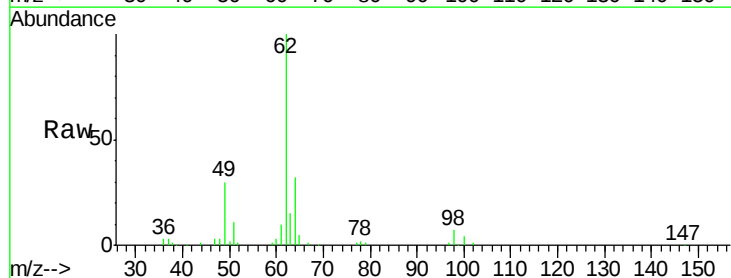


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

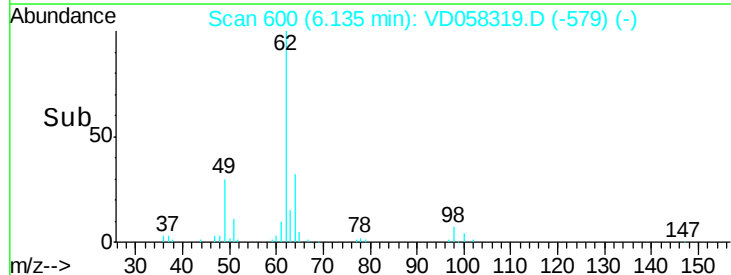
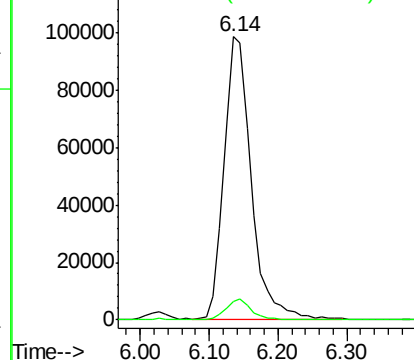


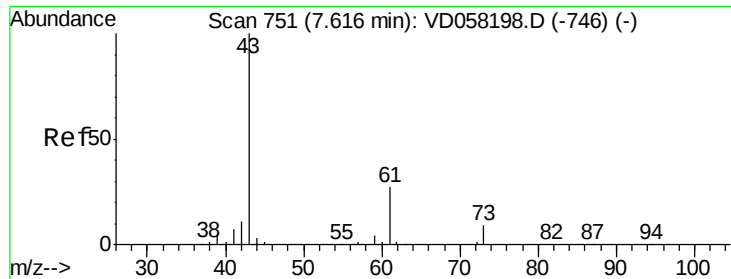
#42
1,2-Dichloroethane
Concen: 22.60 ug/l
RT: 6.14 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion:	62	Resp:	267847
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	13.2



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

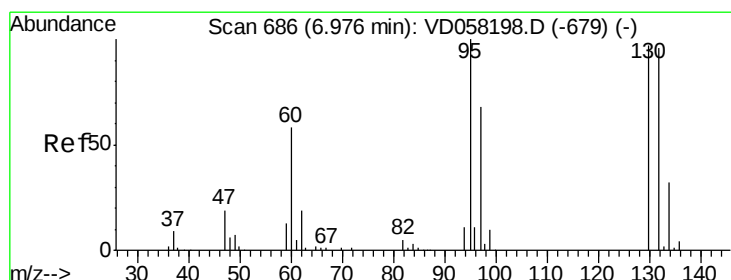
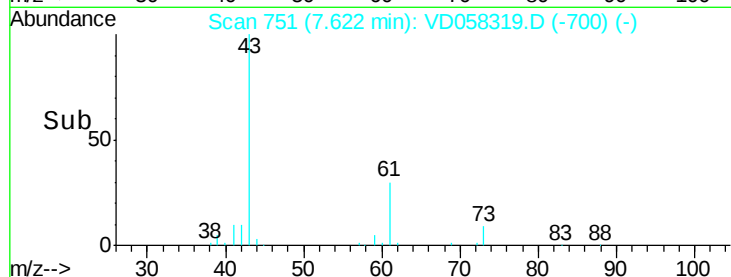
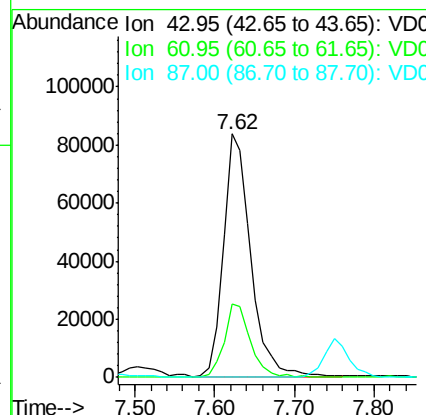
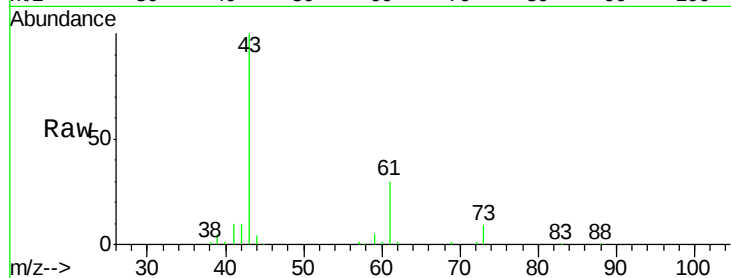




#43
Isopropyl Acetate
Concen: 21.37 ug/l
RT: 7.62 min Scan# 751
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

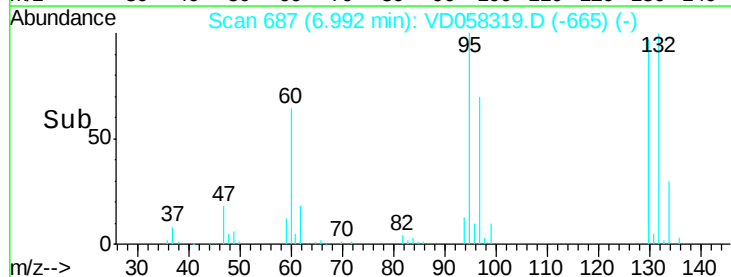
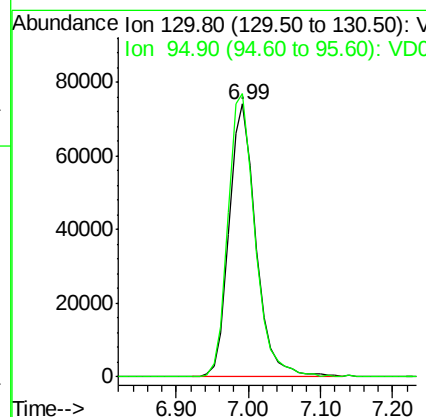
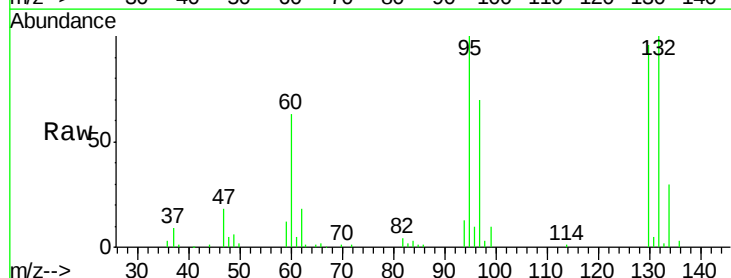
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

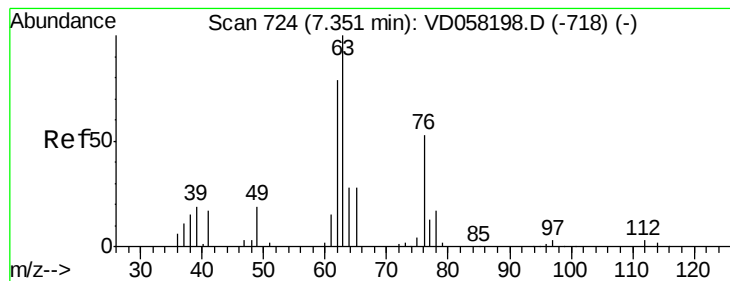
Tot Ion: 43 Resp: 200275
Ion Ratio Lower Upper
43 100
61 29.9 21.8 32.6
87 0.0 0.3 0.5#



#44
Trichloroethene
Concen: 21.69 ug/l
RT: 6.99 min Scan# 687
Delta R.T. 0.02 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion:130 Resp: 191416
Ion Ratio Lower Upper
130 100
95 103.7 0.0 205.6





#45

1,2-Dichloropropane

Concen: 22.94 ug/l

RT: 7.36 min Scan# 724

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

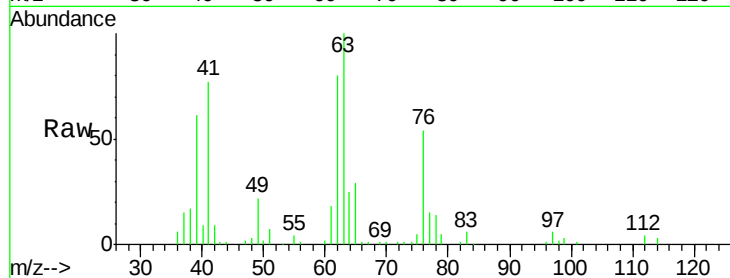
VD0622SBS02

Tot Ion: 63 Resp: 181566

Ion Ratio Lower Upper

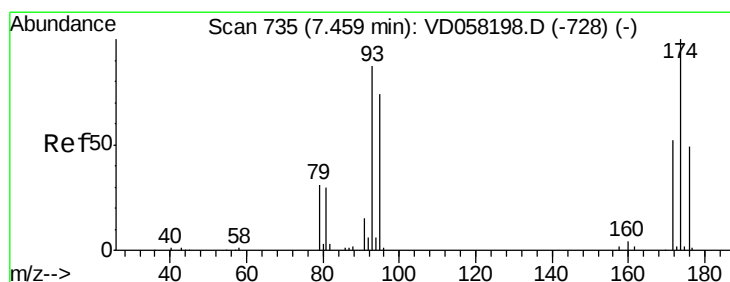
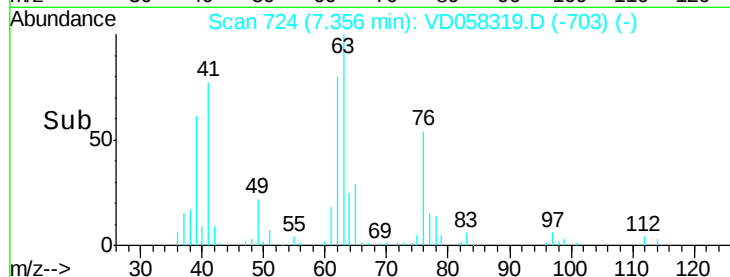
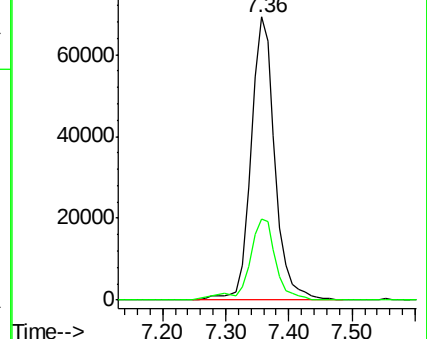
63 100

65 28.9 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.53 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.02 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

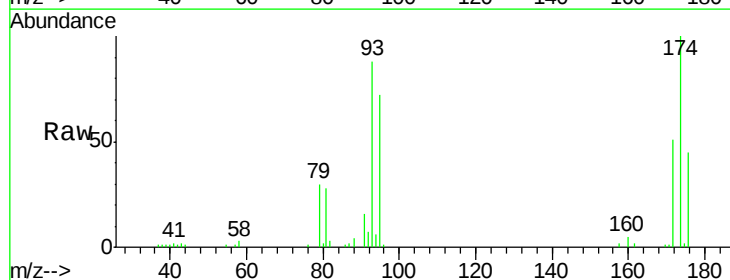
Tgt Ion: 93 Resp: 121715

Ion Ratio Lower Upper

93 100

95 82.1 67.8 101.6

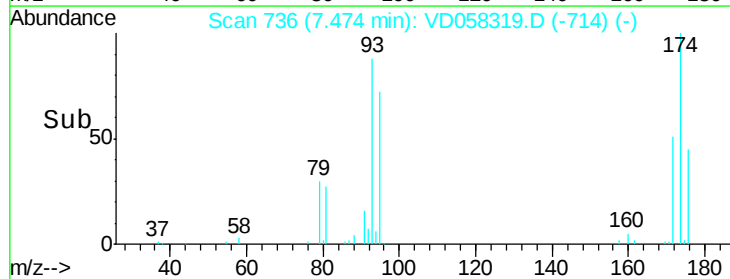
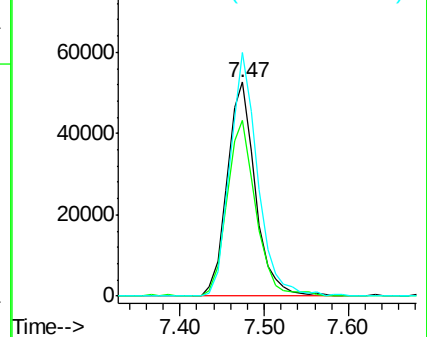
174 113.8 92.2 138.2

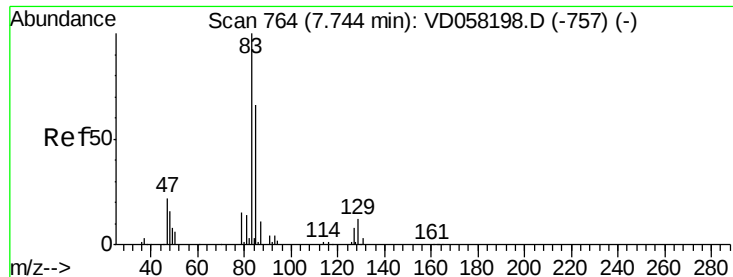


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.82 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD02

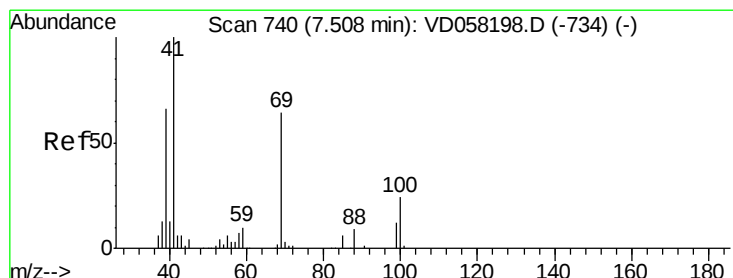
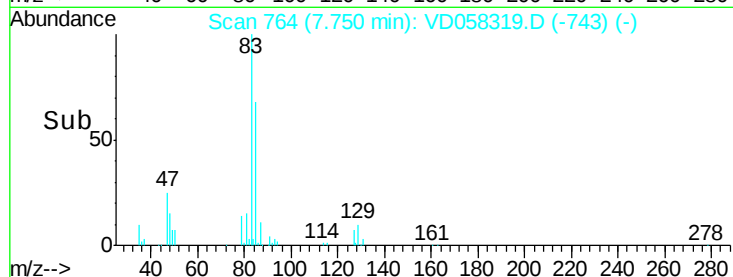
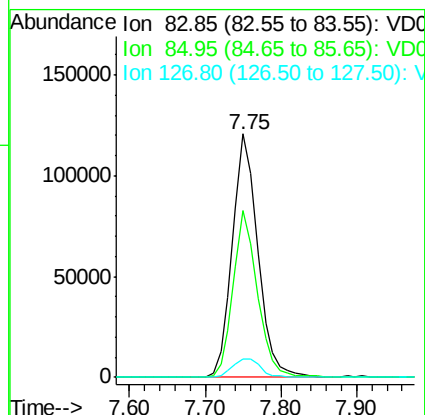
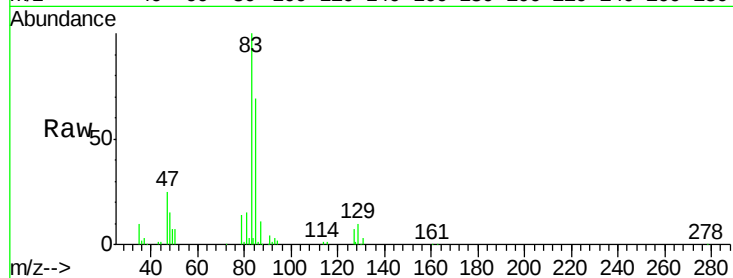
Tot Ion: 83 Resp: 281158

Ion Ratio Lower Upper

83 100

85 68.6 52.6 78.8

127 7.4 6.2 9.4



#48

Methyl methacrylate

Concen: 20.74 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

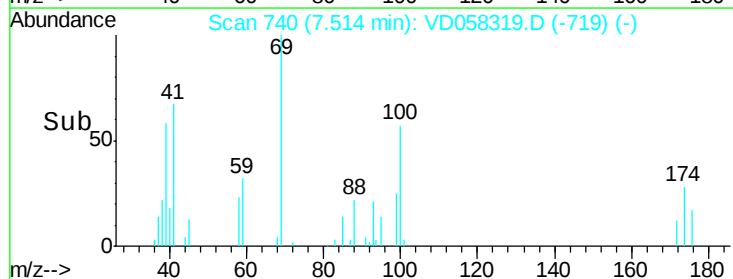
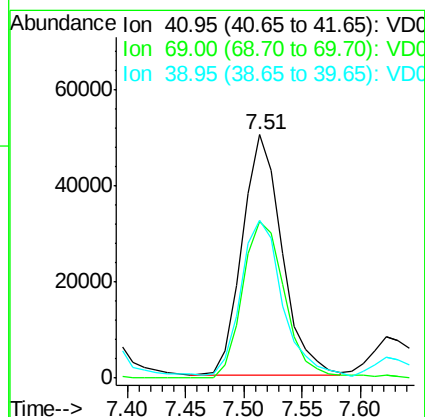
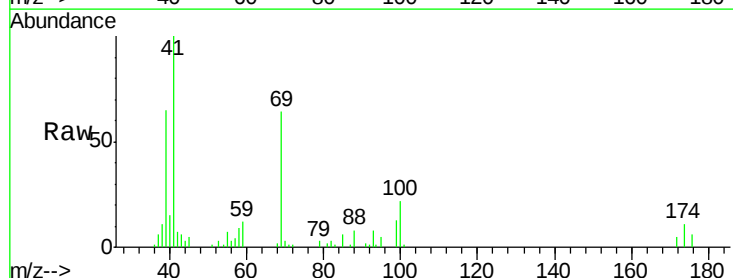
Tgt Ion: 41 Resp: 118159

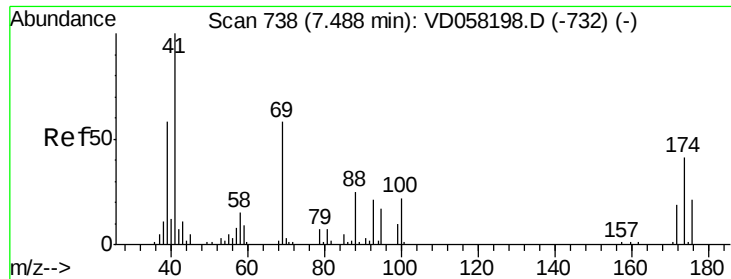
Ion Ratio Lower Upper

41 100

69 64.2 50.7 76.1

39 64.9 52.6 78.8

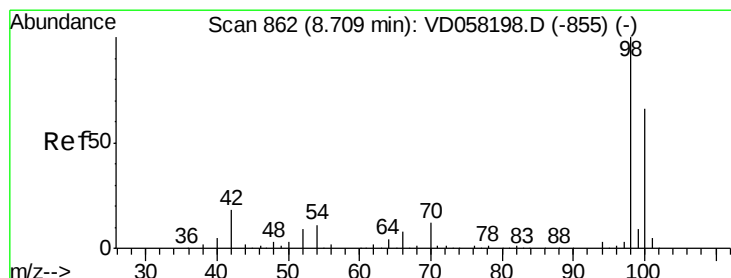
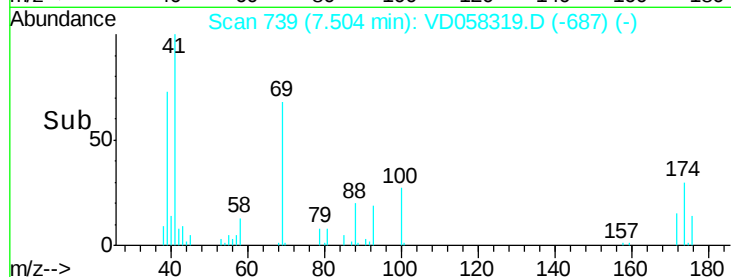
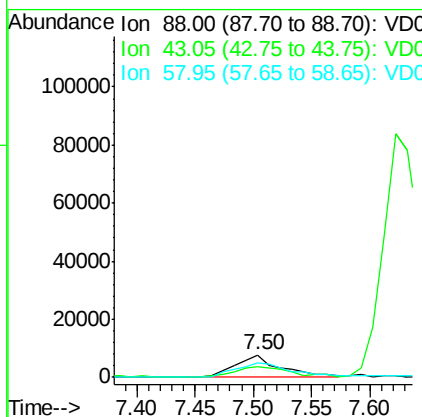
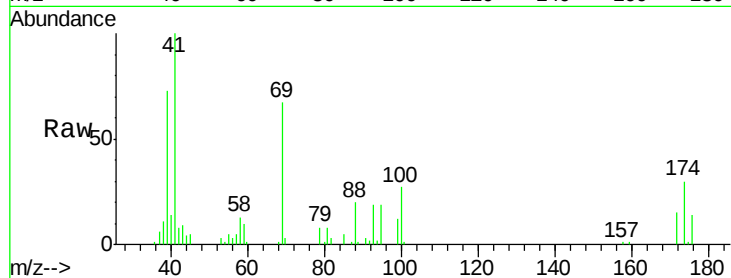




#49
1,4-Dioxane
Concen: 410.95 ug/l
RT: 7.50 min Scan# 739
Delta R.T. 0.02 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

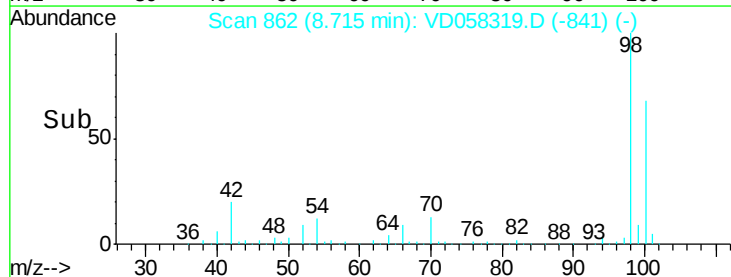
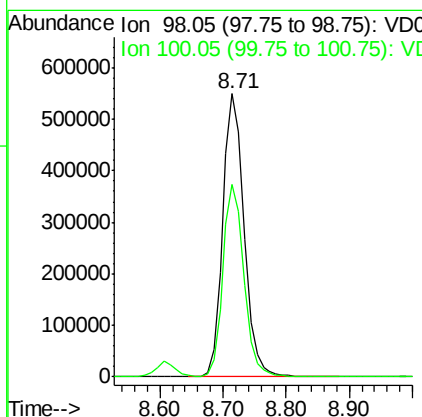
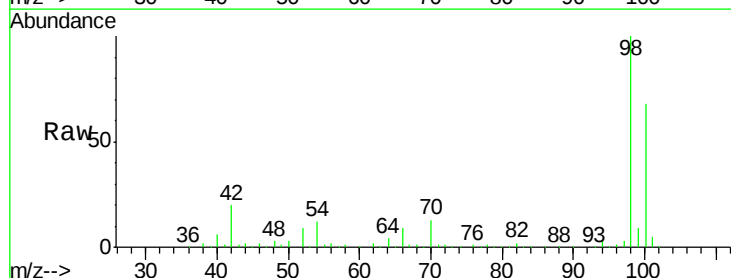
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD02

Tot Ion: 88 Resp: 21130
Ion Ratio Lower Upper
88 100
43 46.2 34.2 51.2
58 65.0 47.9 71.9



#50
Toluene-d8
Concen: 410.95 ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion: 98 Resp: 1291730
Ion Ratio Lower Upper
98 100
100 67.8 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 109.42 ug/l

RT: 8.61 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

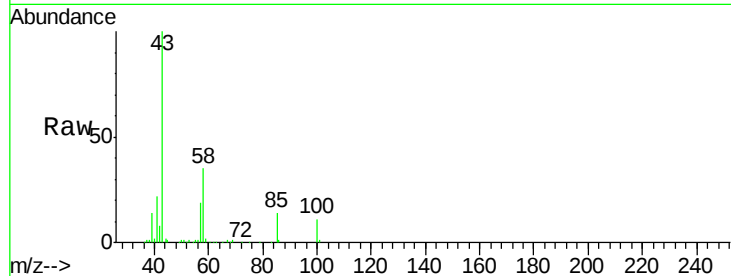
VD0622SBSD02

Tot Ion: 43 Resp: 668911

Ion Ratio Lower Upper

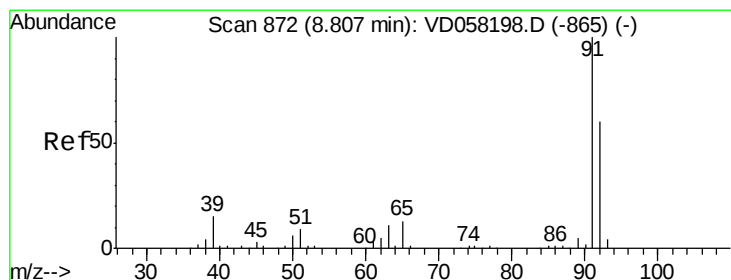
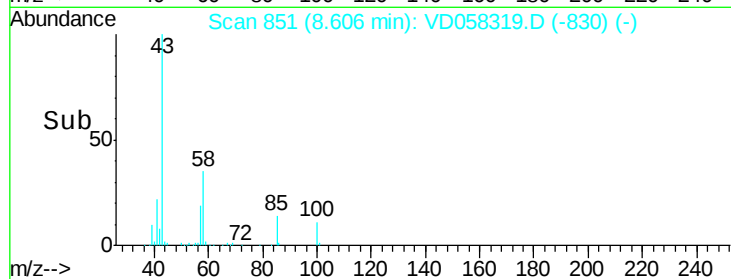
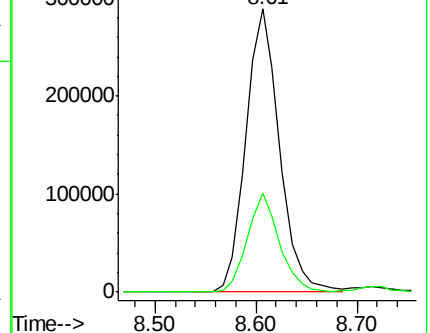
43 100

58 35.1 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.59 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD058319.D

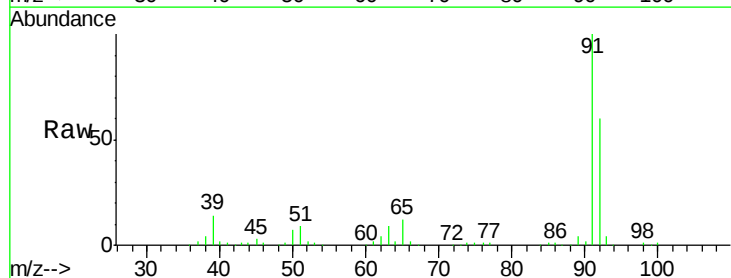
Acq: 23 Jun 2018 3:48

Tgt Ion: 92 Resp: 378013

Ion Ratio Lower Upper

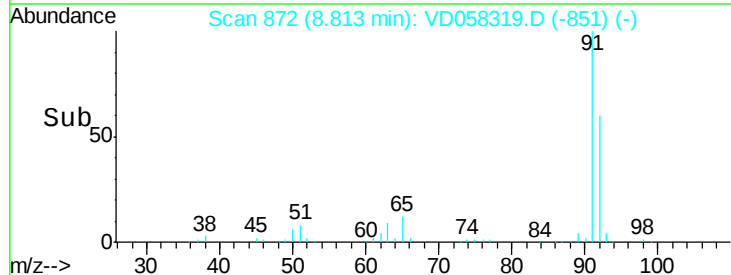
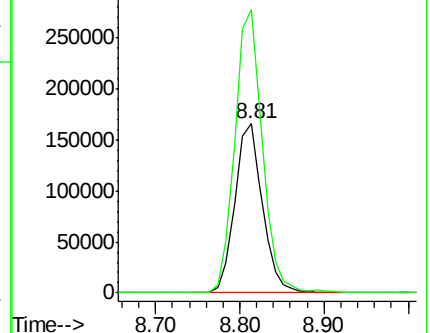
92 100

91 167.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

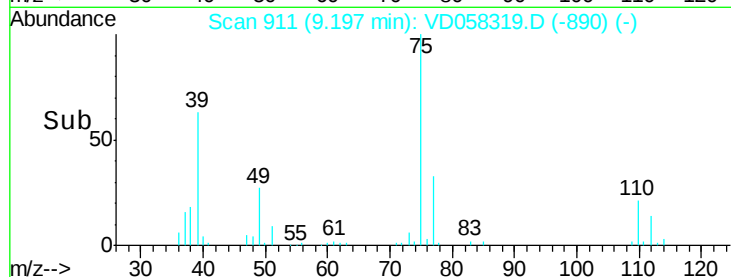
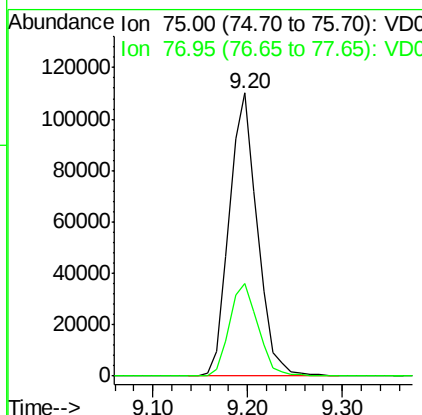
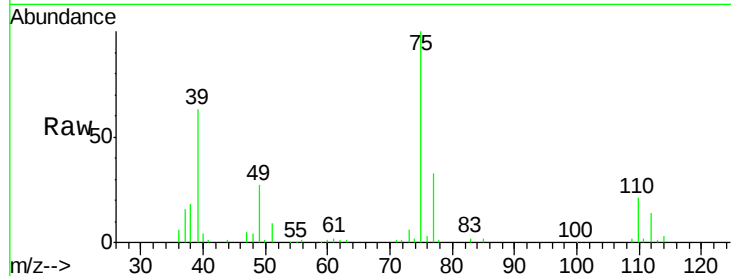




#53
 t-1,3-Dichloropropene
 Concen: 21.17 ug/l
 RT: 9.20 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

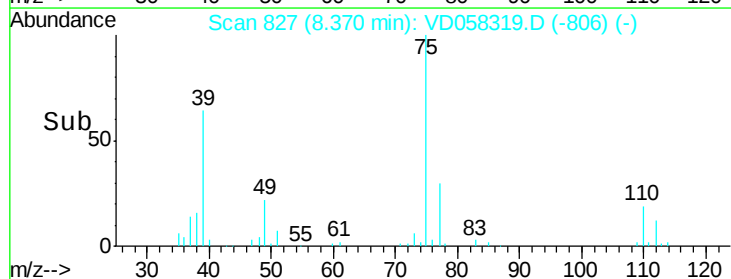
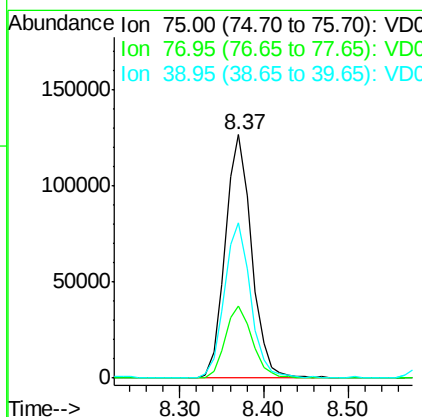
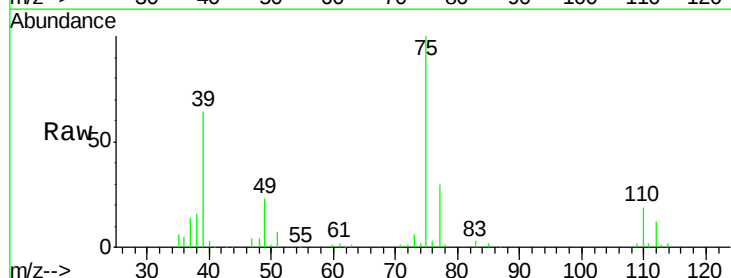
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

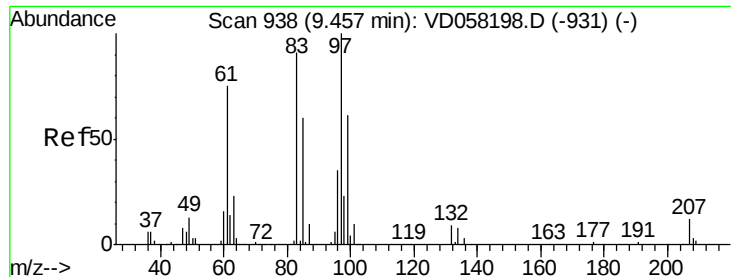
Tot Ion: 75 Resp: 226807
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 22.00 ug/l
 RT: 8.37 min Scan# 827
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion: 75 Resp: 276343
 Ion Ratio Lower Upper
 75 100
 77 29.6 26.5 39.7
 39 64.0 52.9 79.3

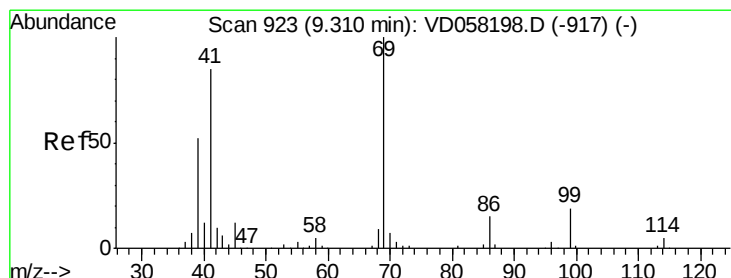
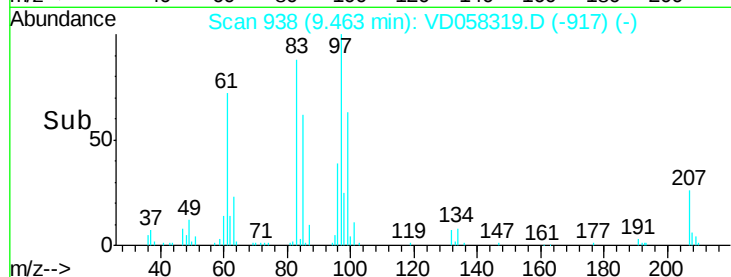
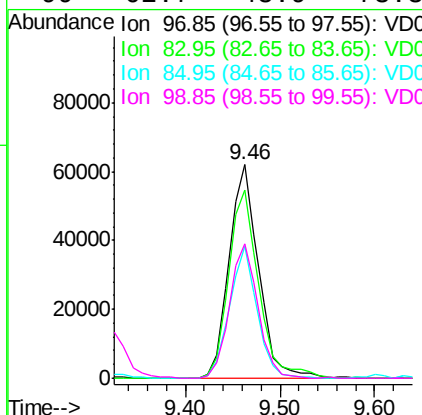
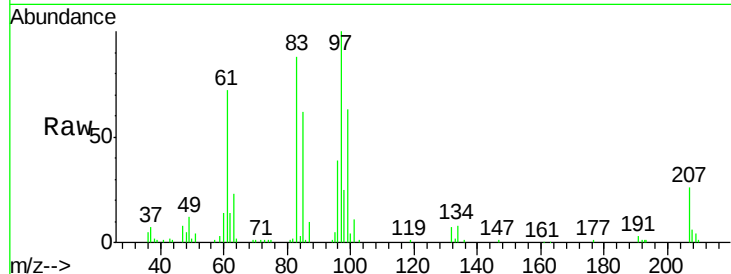




#55
 1,1,2-Trichloroethane
 Concen: 22.53 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

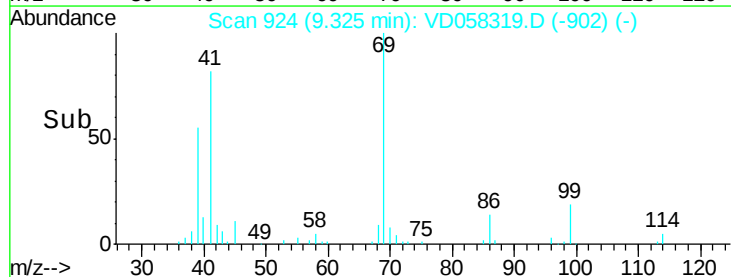
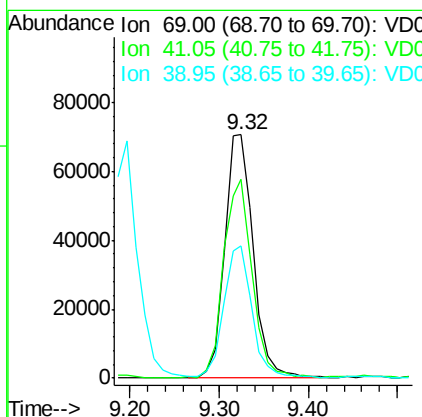
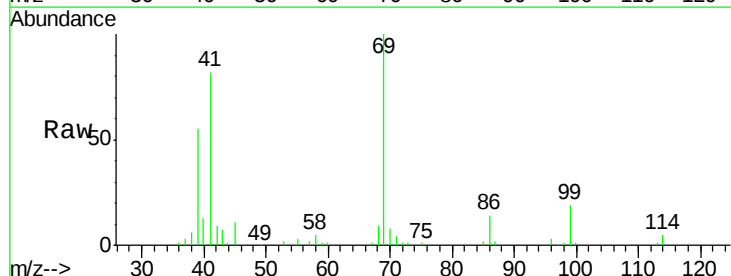
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

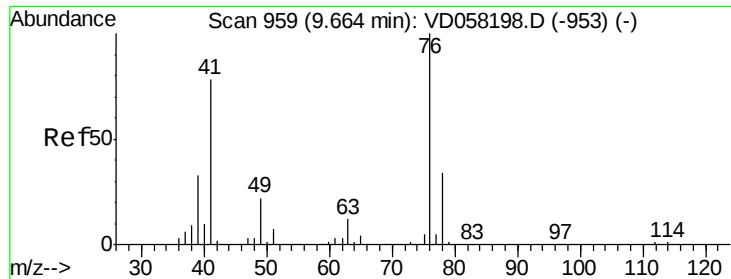
Tot Ion:	97	Resp:	133390
Ion	Ratio	Lower	Upper
97	100		
83	88.0	72.9	109.3
85	61.8	48.2	72.4
99	62.7	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 22.47 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion:	69	Resp:	159080
Ion	Ratio	Lower	Upper
69	100		
41	81.6	67.6	101.4
39	54.5	42.2	63.2





#57

1,3-Dichloropropane

Concen: 22.36 ug/l

RT: 9.67 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

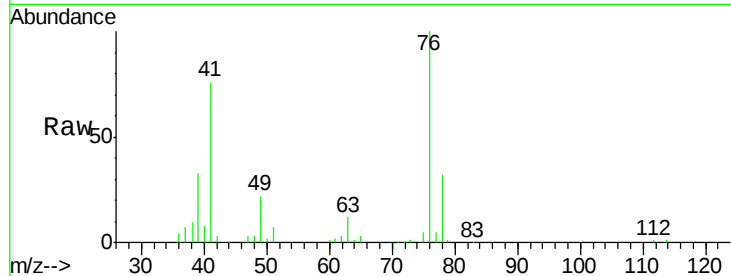
VD0622SBS02

Tot Ion: 76 Resp: 222996

Ion Ratio Lower Upper

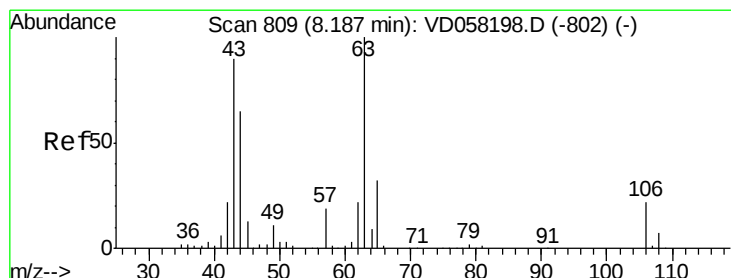
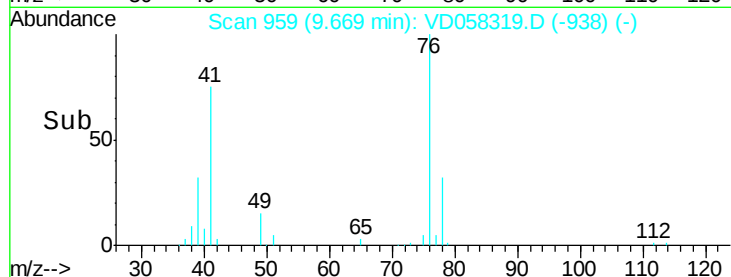
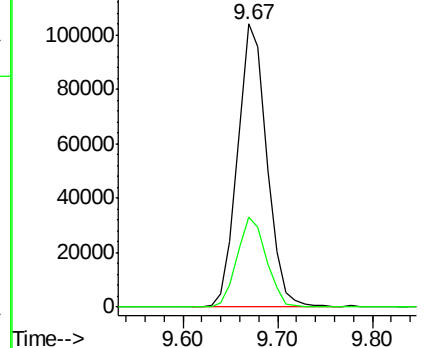
76 100

78 32.0 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 115.94 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD058319.D

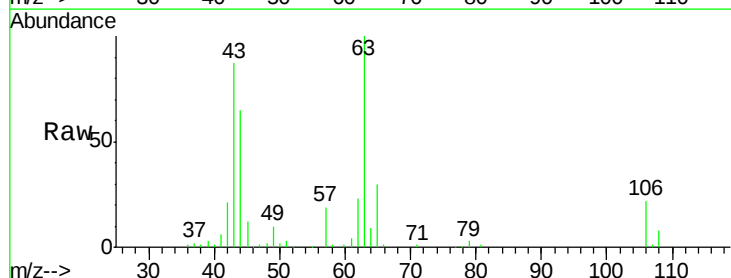
Acq: 23 Jun 2018 3:48

Tgt Ion: 63 Resp: 406439

Ion Ratio Lower Upper

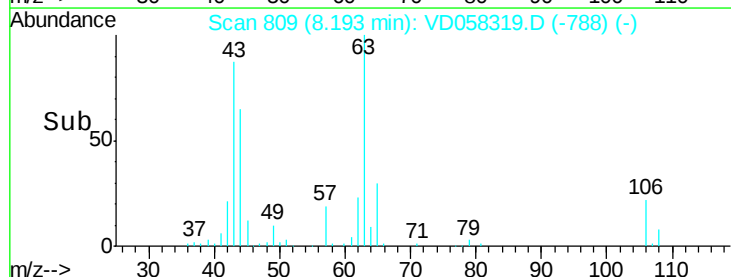
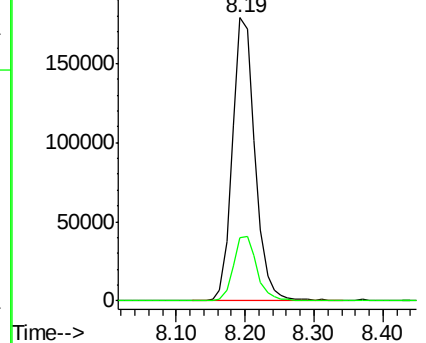
63 100

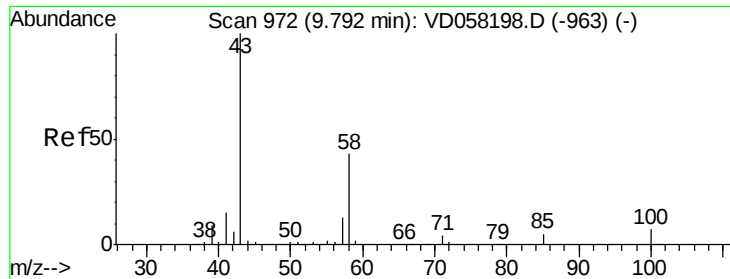
106 22.4 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

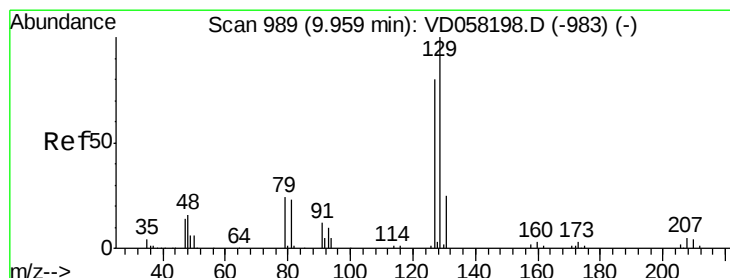
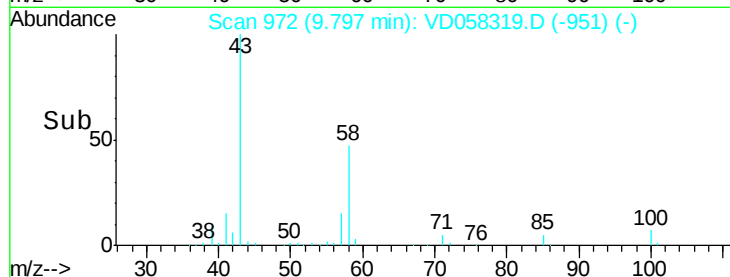
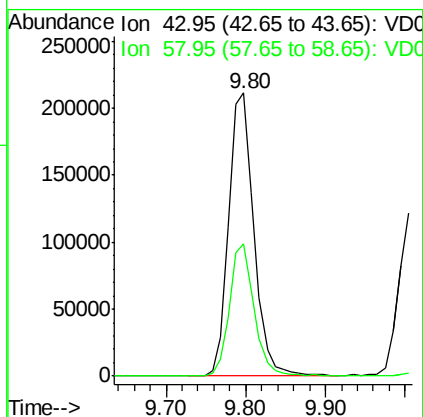
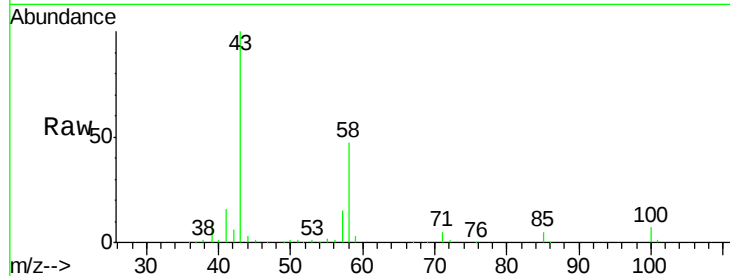




#59
2-Hexanone
Concen: 106.60 ug/l
RT: 9.80 min Scan# 972
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

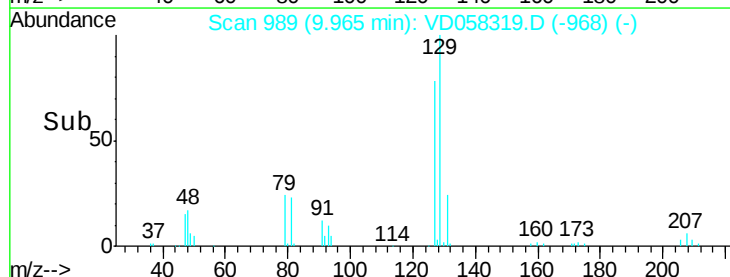
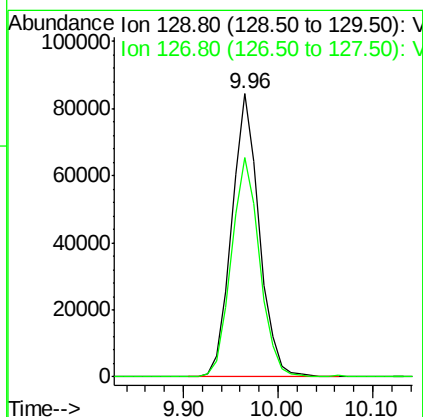
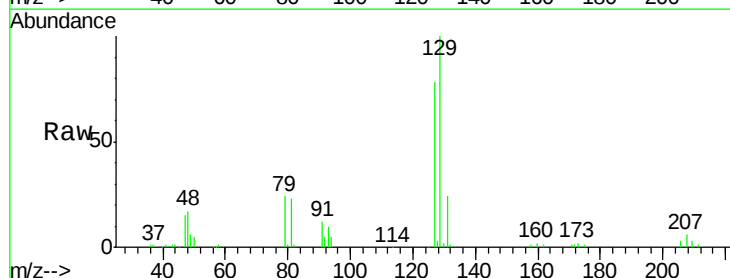
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

Tot Ion: 43 Resp: 470892
Ion Ratio Lower Upper
43 100
58 46.6 21.7 65.1



#60
Dibromochloromethane
Concen: 21.09 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion: 129 Resp: 169471
Ion Ratio Lower Upper
129 100
127 77.6 39.8 119.4

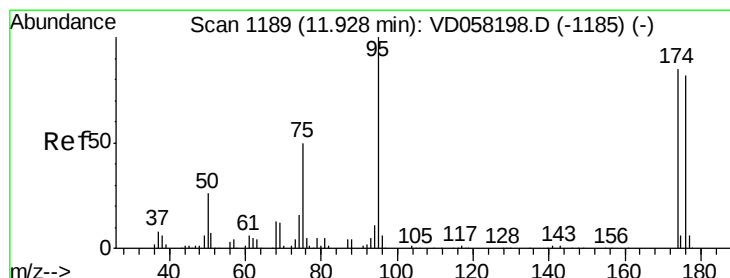
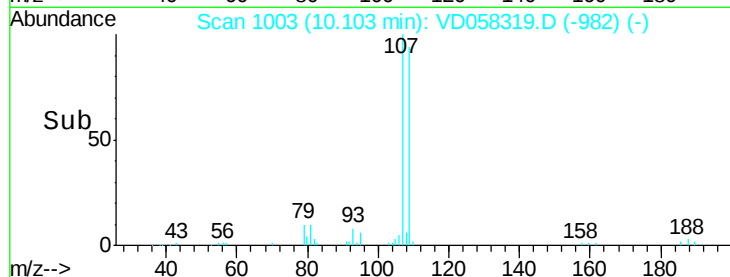
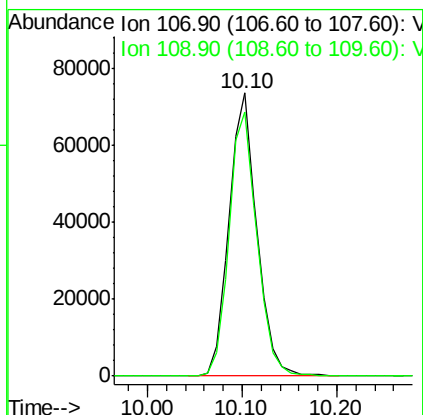
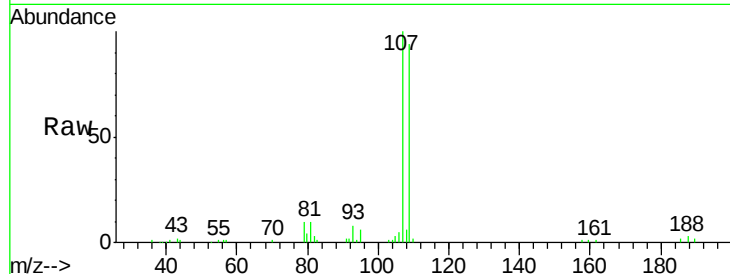




#61
 1,2-Dibromoethane
 Concen: 23.11 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

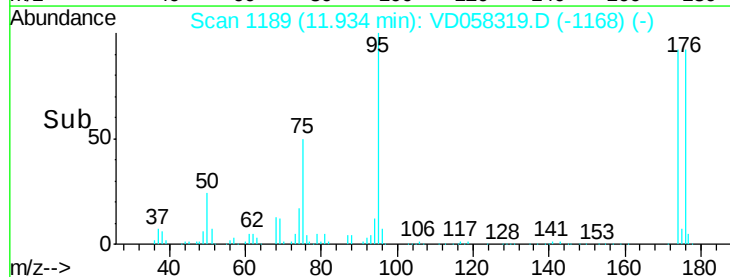
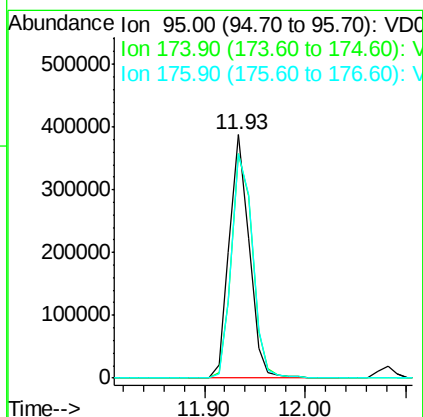
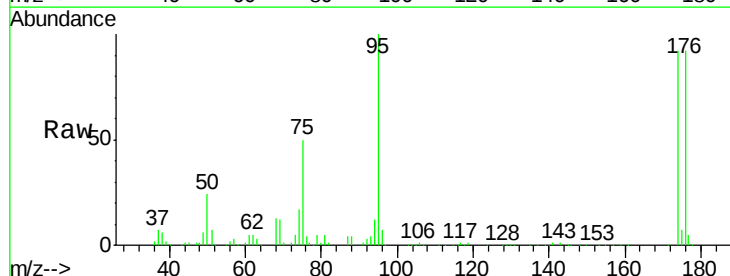
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

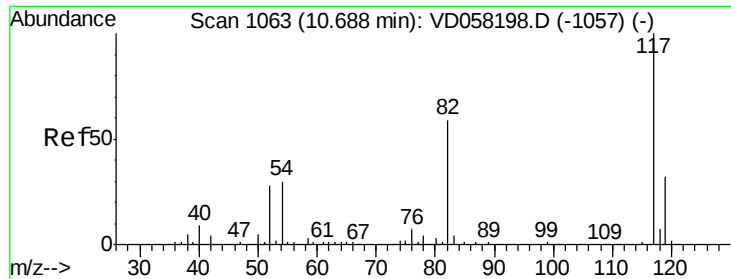
Tot Ion: 107 Resp: 149759
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 23.11 ug/l
 RT: 11.93 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion: 95 Resp: 533518
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 170.2
 176 92.4 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD02

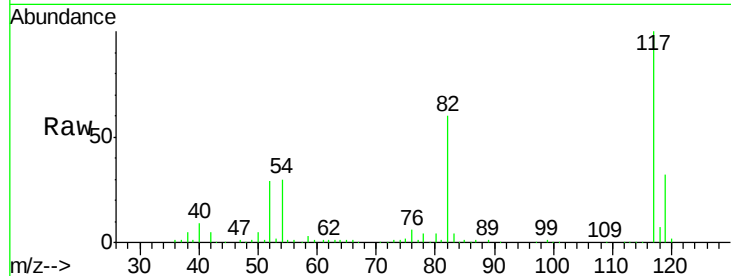
Tot Ion:117 Resp: 996383

Ion Ratio Lower Upper

117 100

82 60.3 47.0 70.6

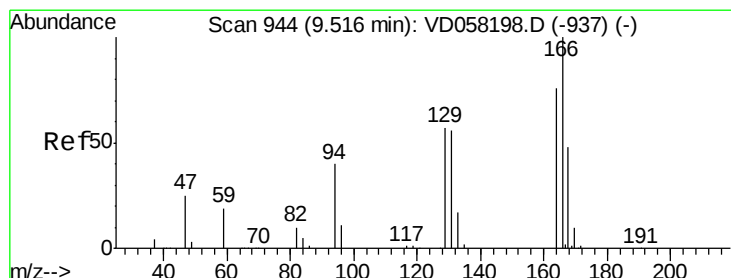
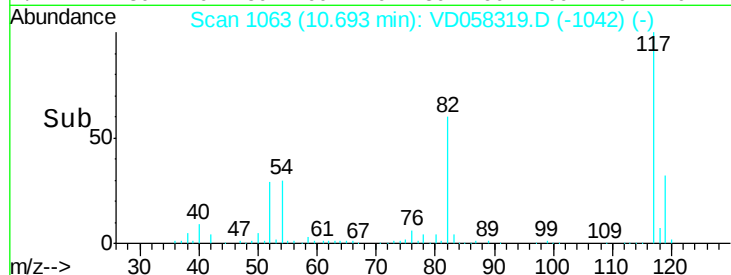
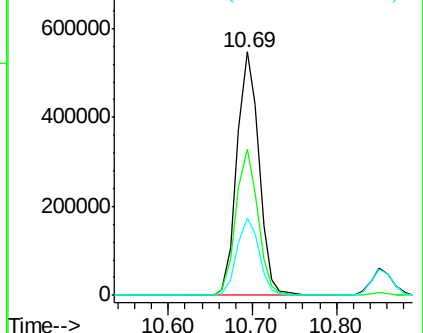
119 31.9 25.3 37.9



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: 23.86 ug/l

RT: 9.52 min Scan# 944

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Tgt Ion:164 Resp: 200043

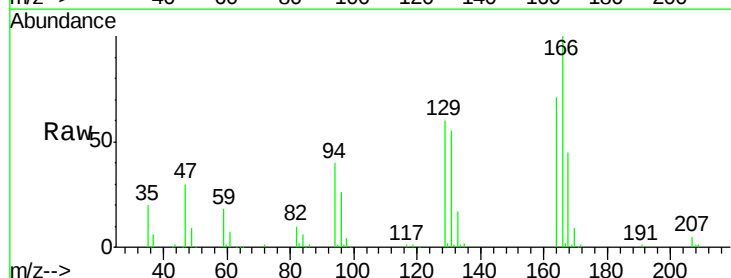
Ion Ratio Lower Upper

164 100

166 140.3 105.4 158.0

129 83.8 59.6 89.4

131 77.2 59.4 89.2

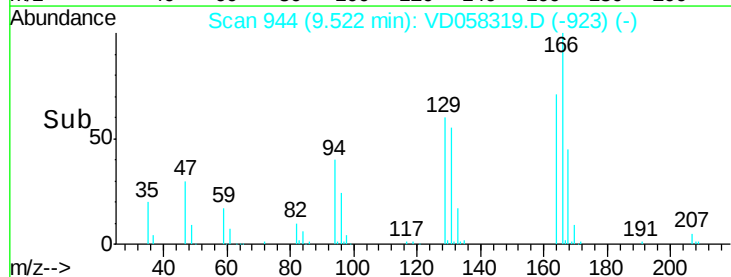
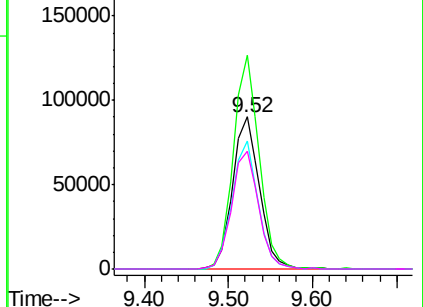


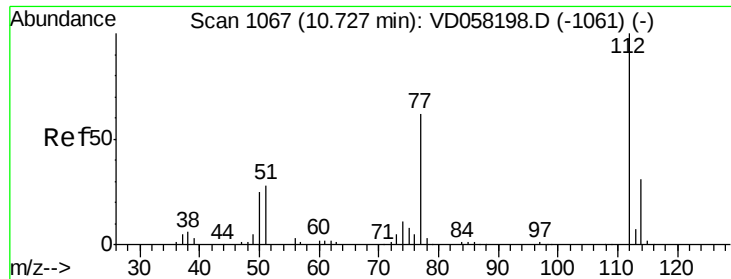
Abundance Ion 163.85 (163.55 to 164.55): V

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

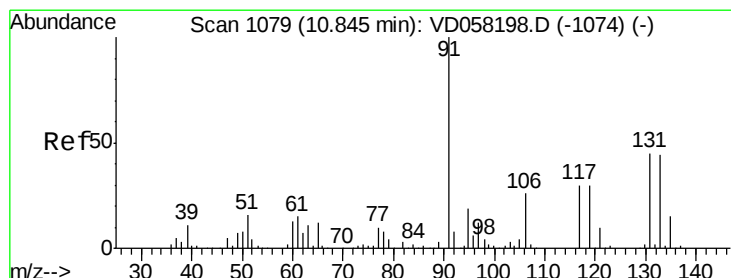
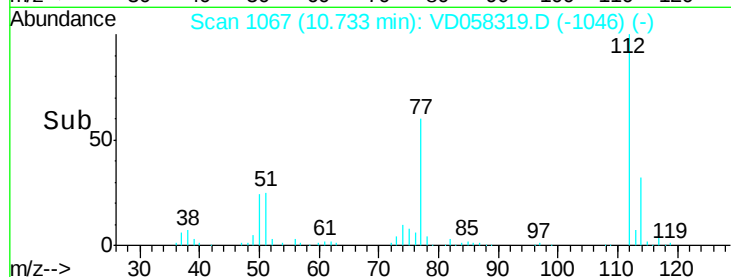
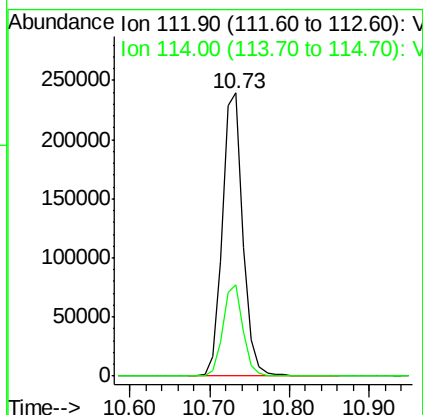
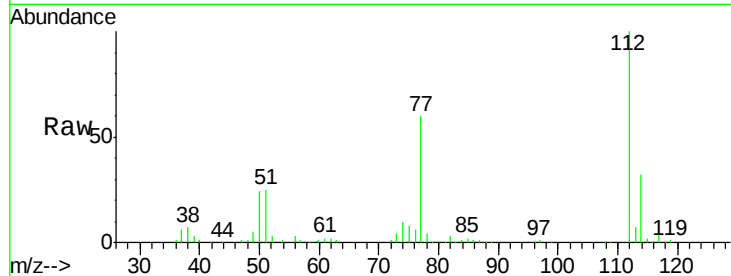




#65
Chlorobenzene
Concen: 23.44 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

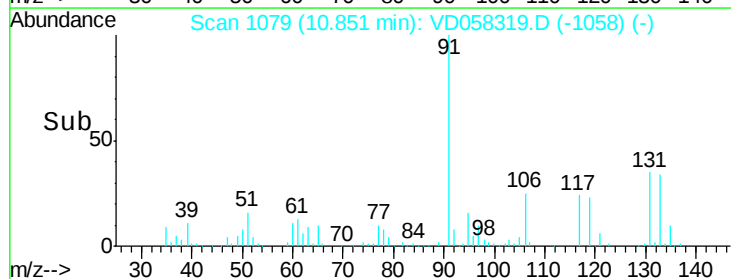
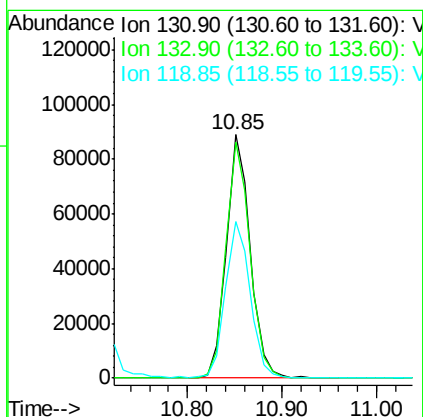
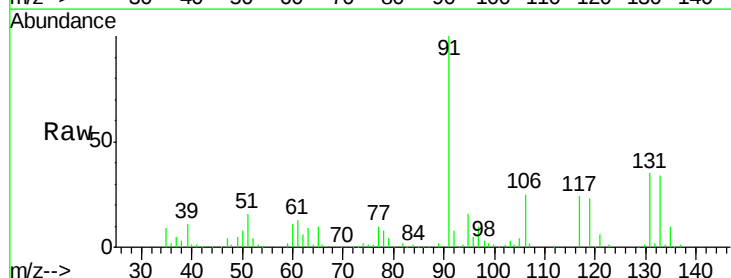
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD02

Tot Ion:112 Resp: 436893
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.47 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion:131 Resp: 154427
Ion Ratio Lower Upper
131 100
133 97.1 48.6 145.9
119 64.4 33.0 99.0

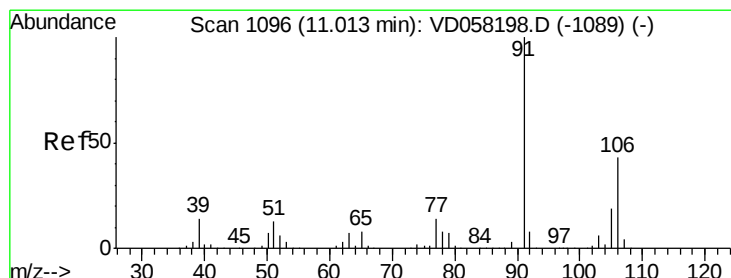
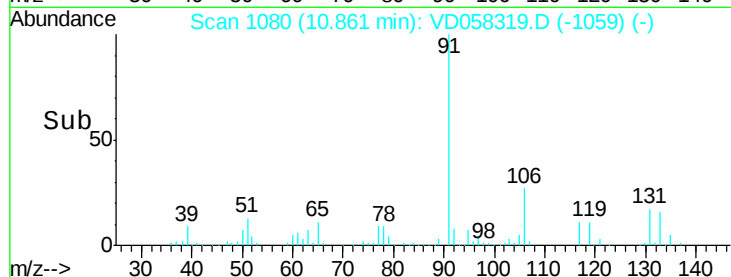
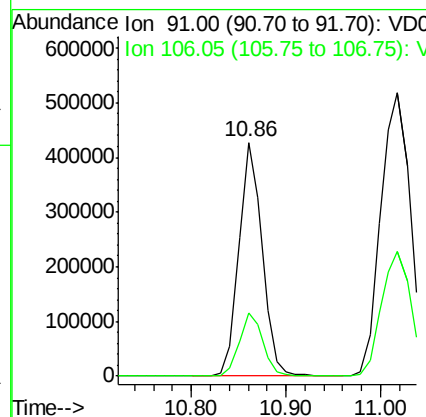
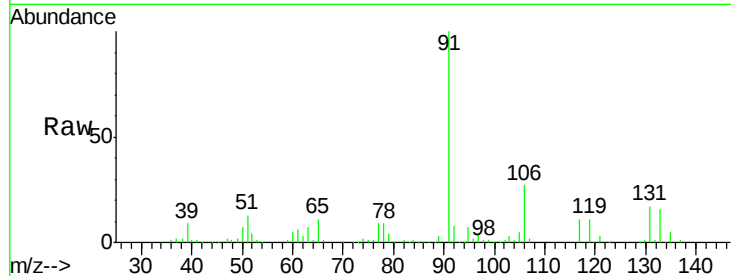




#67
Ethyl Benzene
Concen: 22.11 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

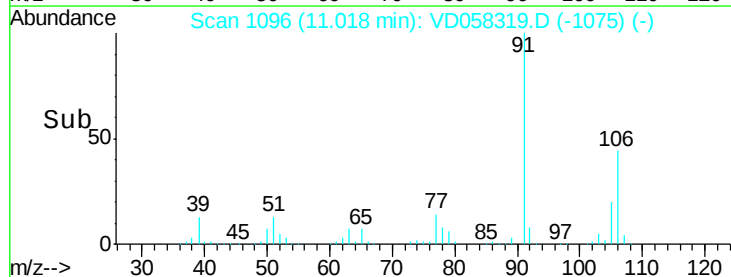
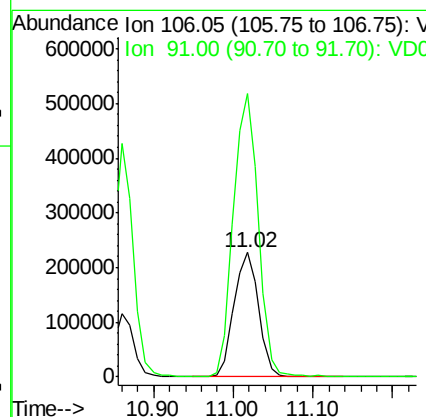
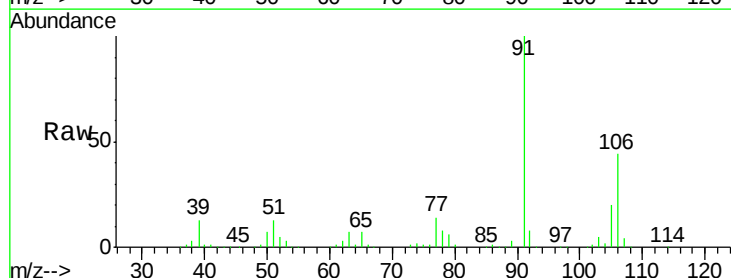
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

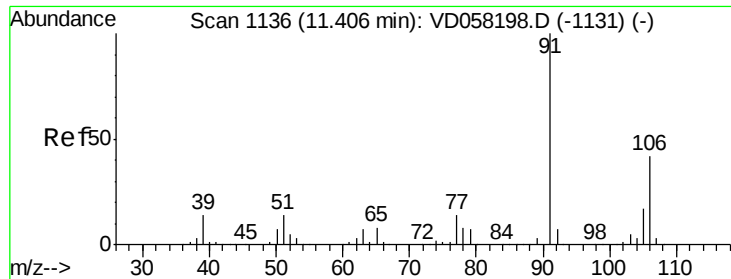
Tot Ion: 91 Resp: 727608
Ion Ratio Lower Upper
91 100
106 27.1 22.0 33.0



#68
m/p-Xylenes
Concen: 45.07 ug/l
RT: 11.02 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion: 106 Resp: 494504
Ion Ratio Lower Upper
106 100
91 227.7 185.0 277.6

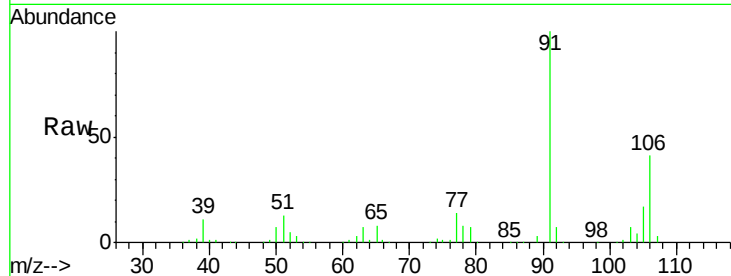




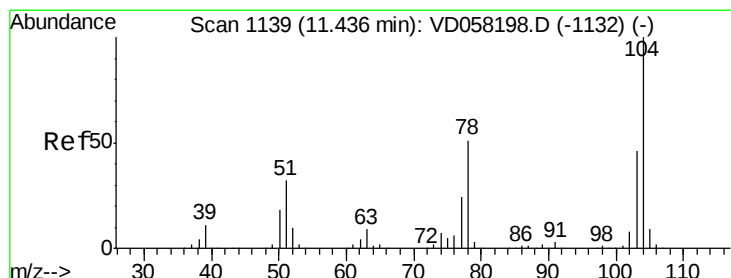
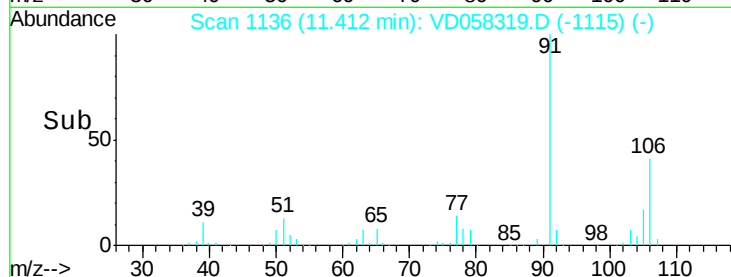
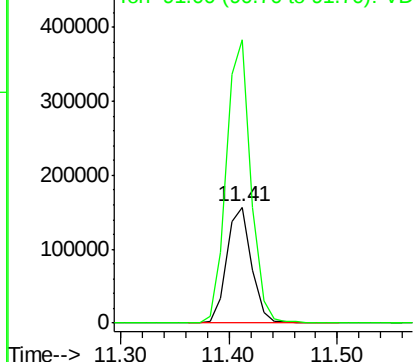
#69
o-Xylene
Concen: 23.88 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD02

Tot Ion:106 Resp: 250289
Ion Ratio Lower Upper
106 100
91 243.5 120.2 360.6

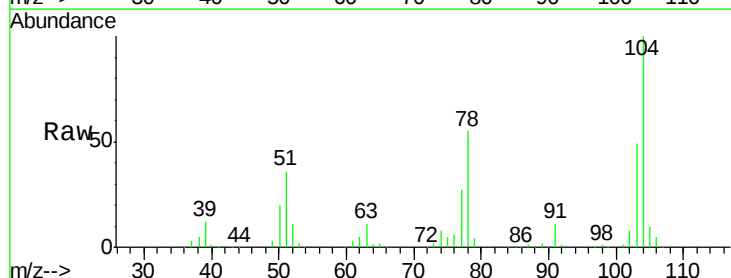


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

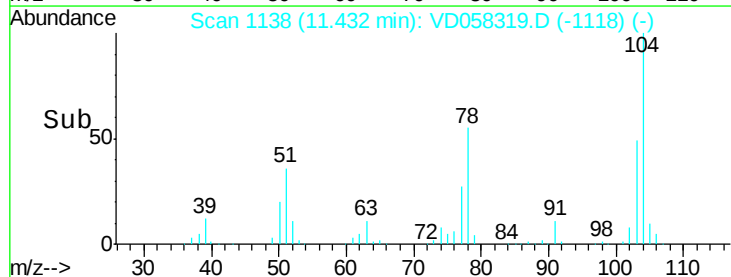
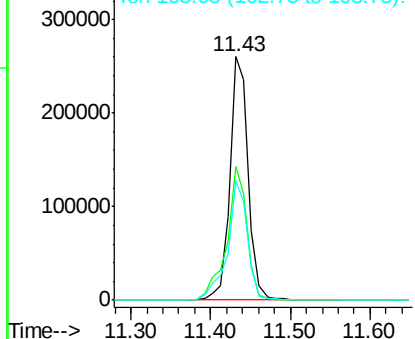


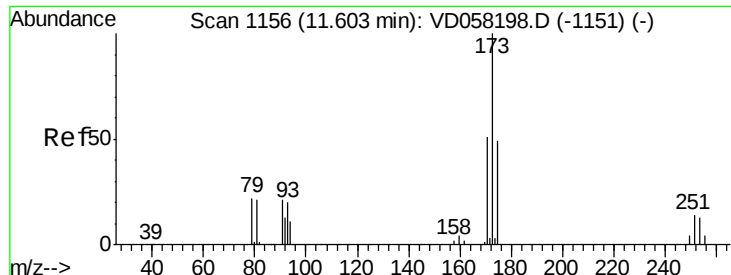
#70
Styrene
Concen: 23.40 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion:104 Resp: 418554
Ion Ratio Lower Upper
104 100
78 54.9 40.8 61.2
103 49.2 37.0 55.6



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





#71

Bromoform

Concen: 22.19 ug/l

RT: 11.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

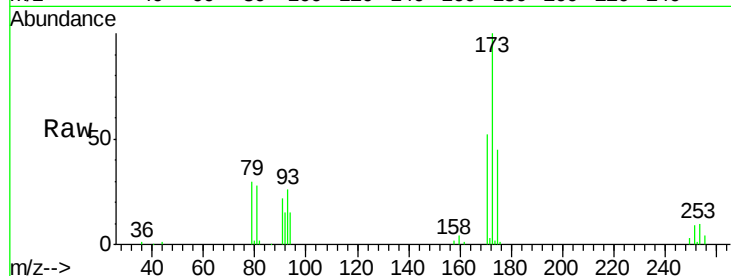
Tot Ion:173 Resp: 127323

Ion Ratio Lower Upper

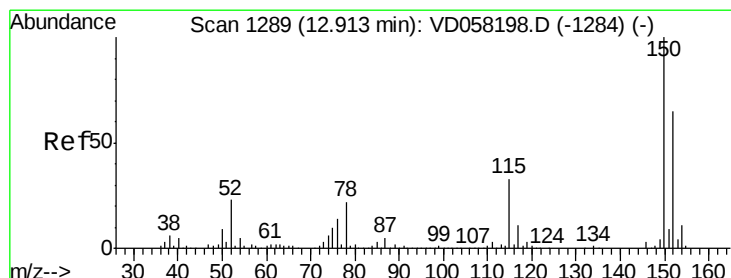
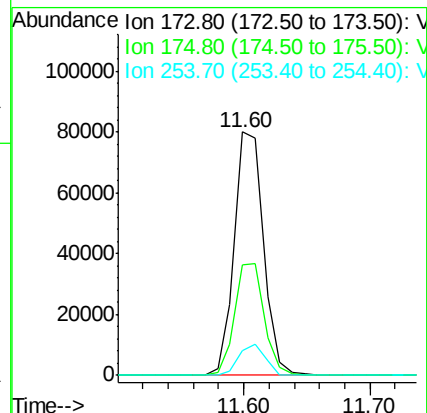
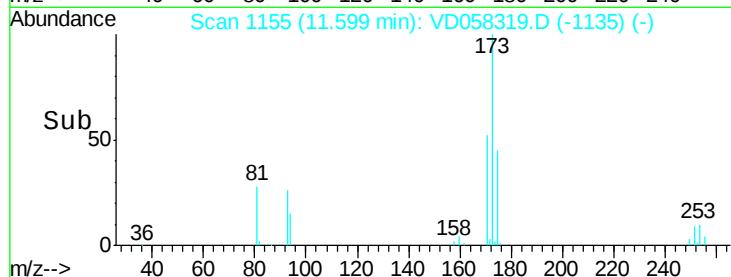
173 100

175 45.4 24.6 74.0

254 10.1 10.3 15.5#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

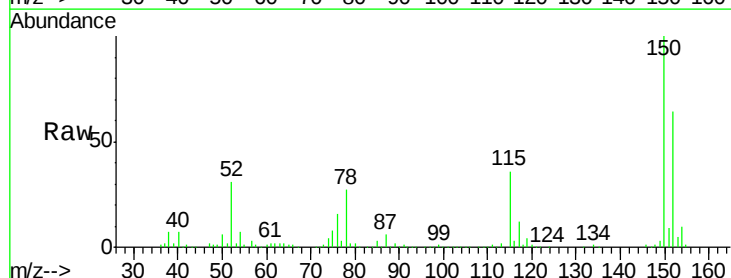
Tgt Ion:152 Resp: 507109

Ion Ratio Lower Upper

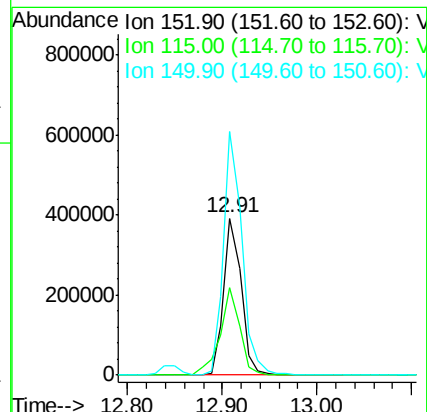
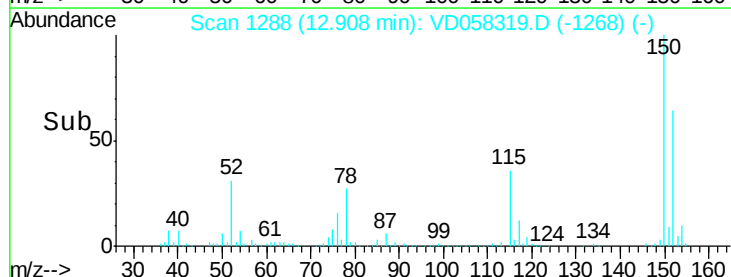
152 100

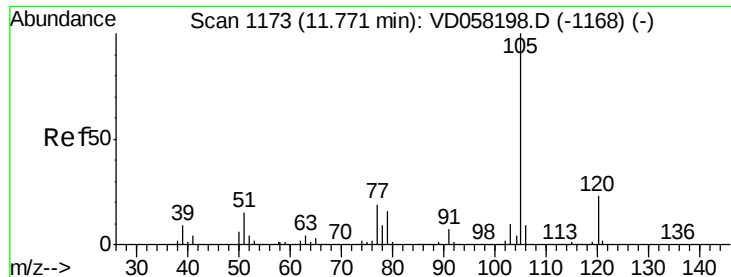
115 56.0 25.1 75.3

150 155.5 0.0 308.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.29 ug/l

RT: 11.78 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

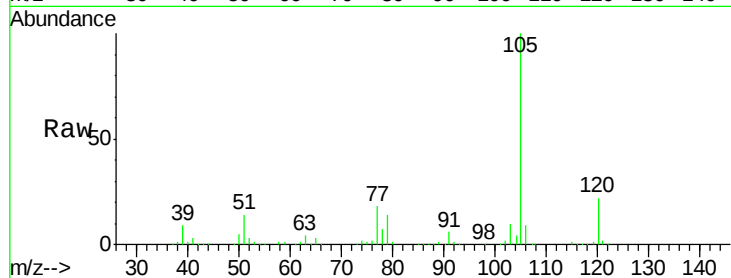
VD0622SBS02

Tot Ion: 105 Resp: 706551

Ion Ratio Lower Upper

105 100

120 22.0 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

500000

400000

300000

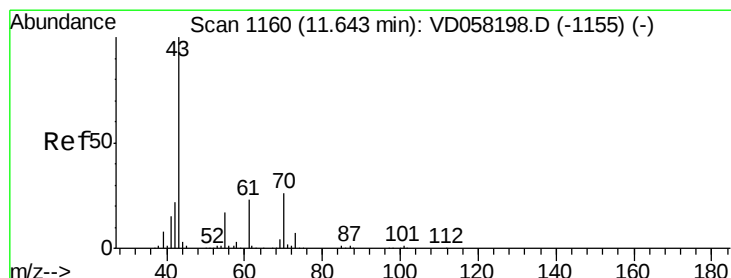
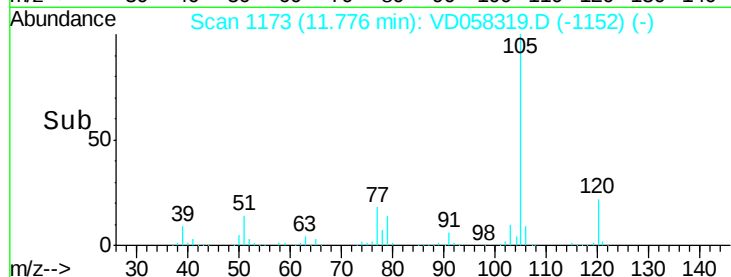
200000

100000

0

11.70 11.80 11.90

Time-->



#74

N-ethyl acetate

Concen: 21.60 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Tgt Ion: 43 Resp: 253389

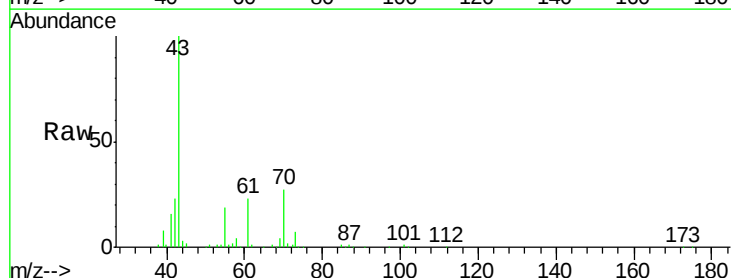
Ion Ratio Lower Upper

43 100

70 27.3 20.9 31.3

55 19.2 13.5 20.3

61 23.4 18.2 27.2



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

300000

250000

200000

150000

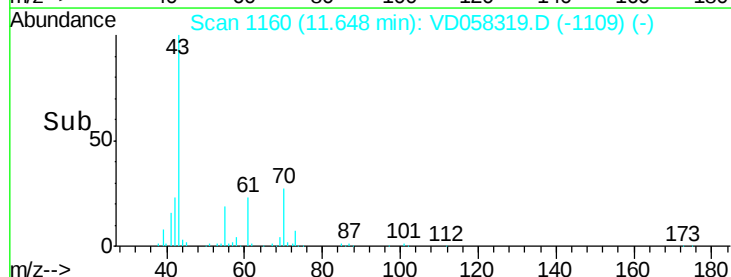
100000

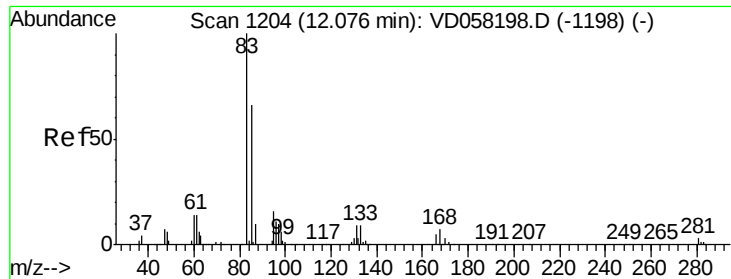
50000

0

11.60 11.70

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.55 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

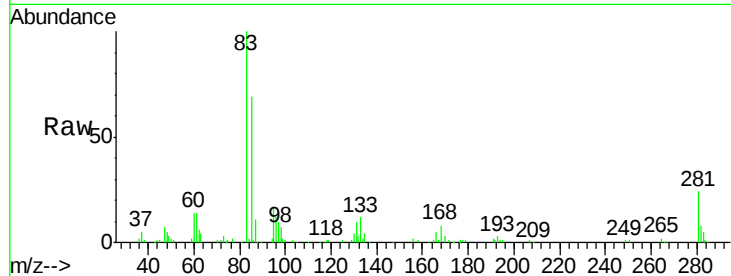
Tot Ion: 83 Resp: 159168

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.3

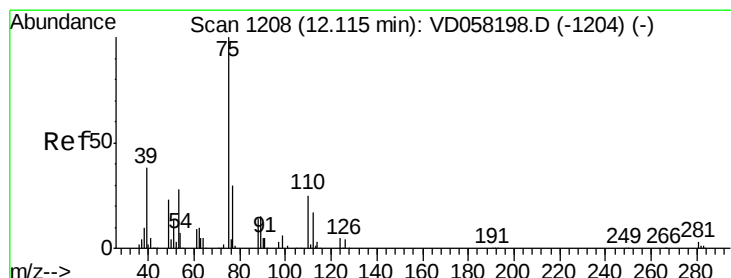
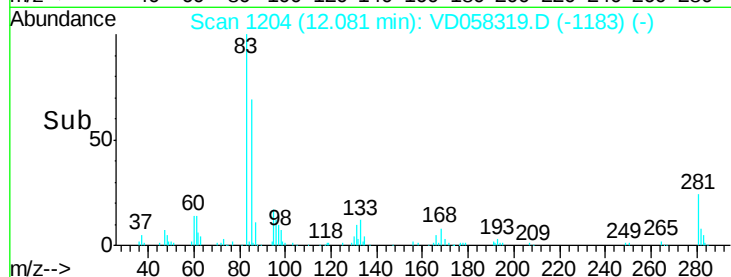
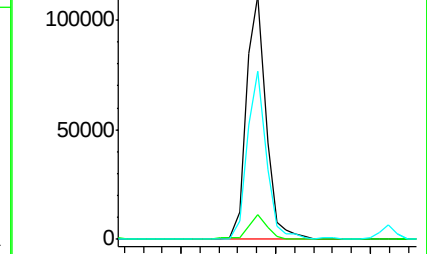
85 69.3 33.1 99.5



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: 22.76 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD058319.D

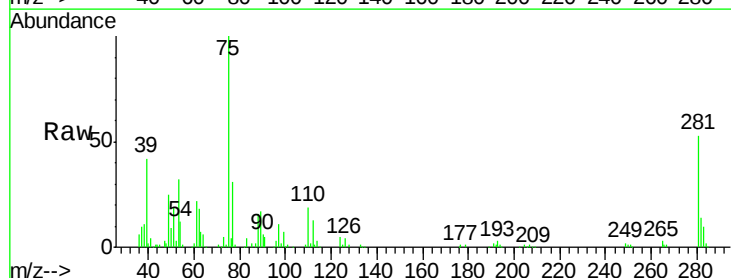
Acq: 23 Jun 2018 3:48

Tgt Ion: 75 Resp: 168525

Ion Ratio Lower Upper

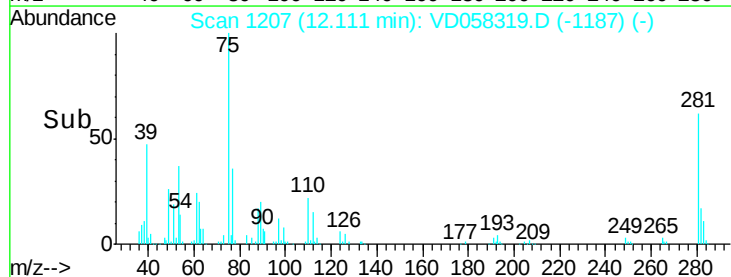
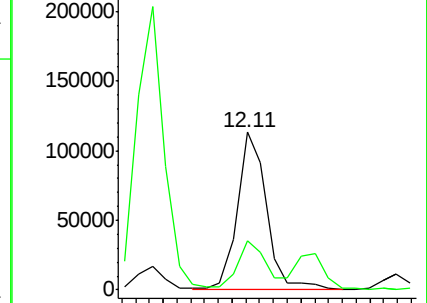
75 100

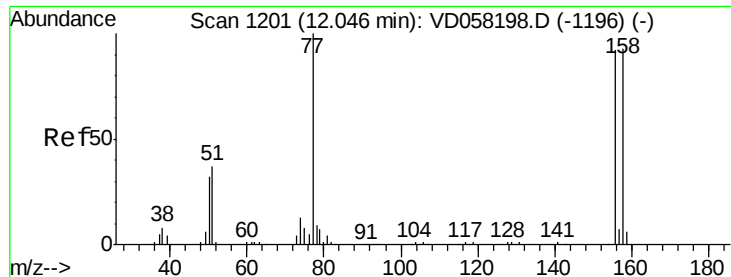
77 31.5 16.0 47.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.57 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

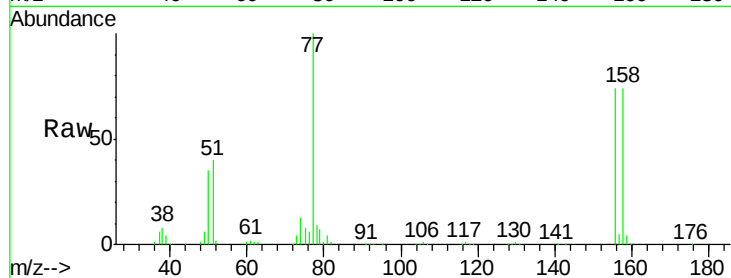
Tot Ion:156 Resp: 205040

Ion Ratio Lower Upper

156 100

77 134.9 54.5 163.6

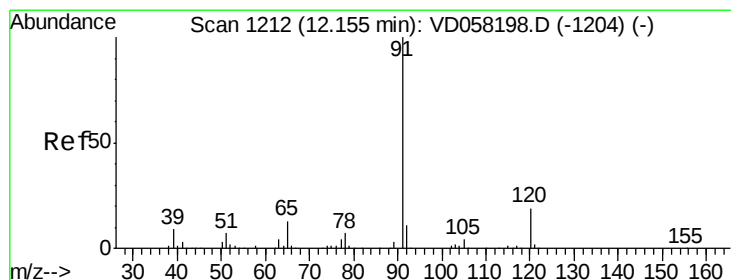
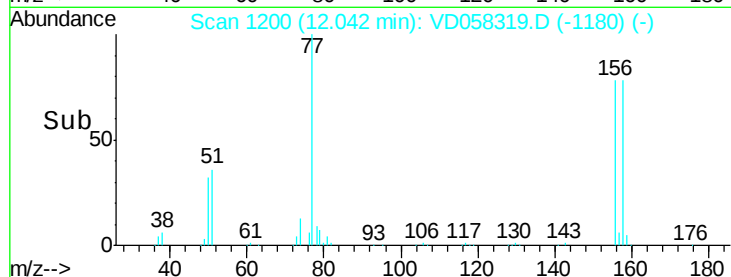
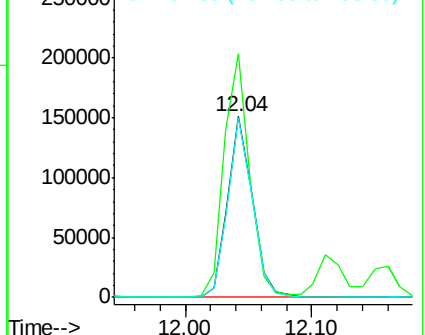
158 99.7 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.55 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD058319.D

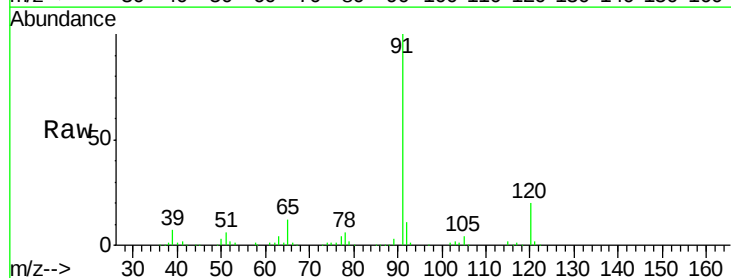
Acq: 23 Jun 2018 3:48

Tgt Ion: 91 Resp: 883324

Ion Ratio Lower Upper

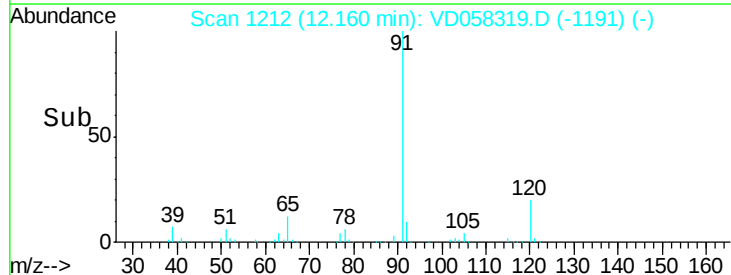
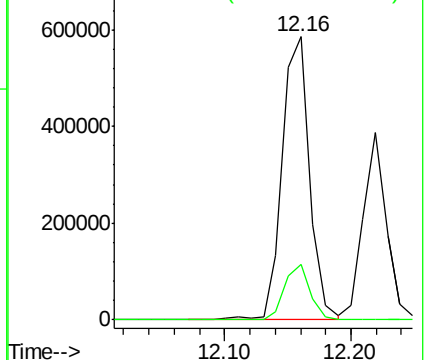
91 100

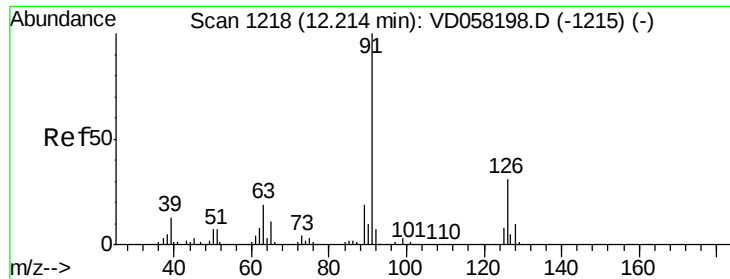
120 19.8 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

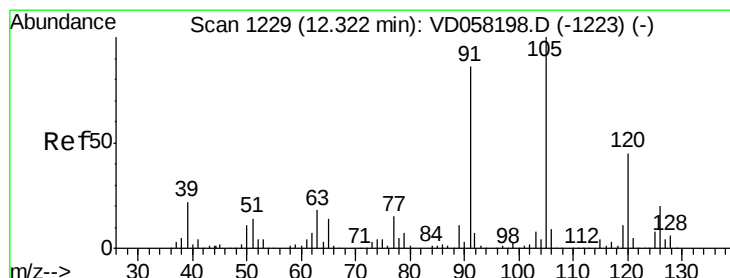
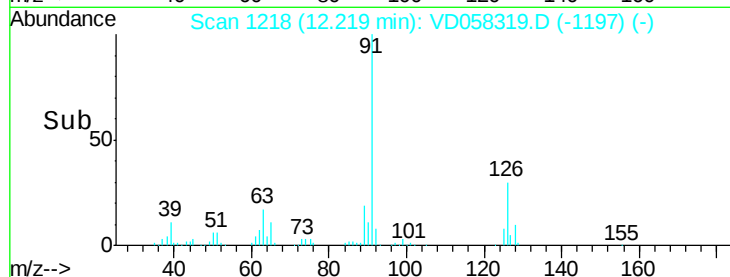
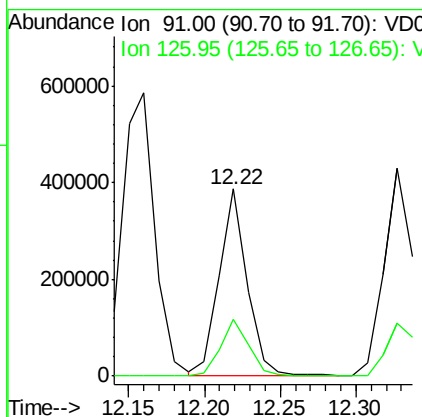
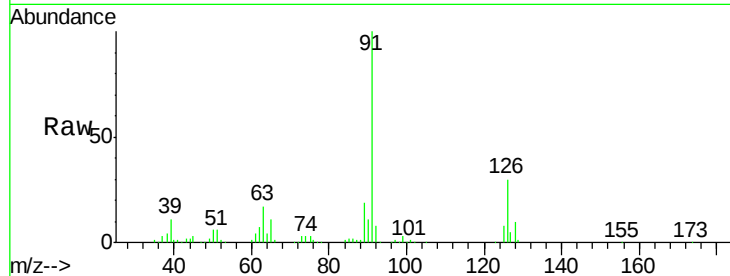




#79
 2-Chlorotoluene
 Concen: 22.08 ug/l
 RT: 12.22 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

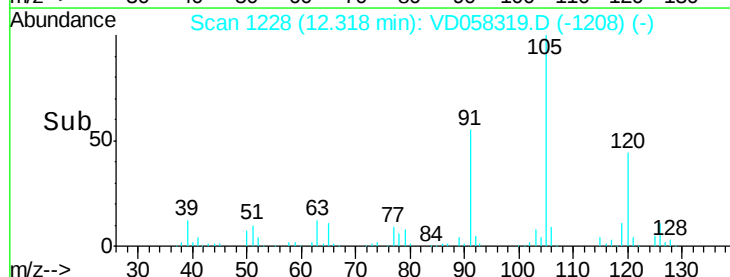
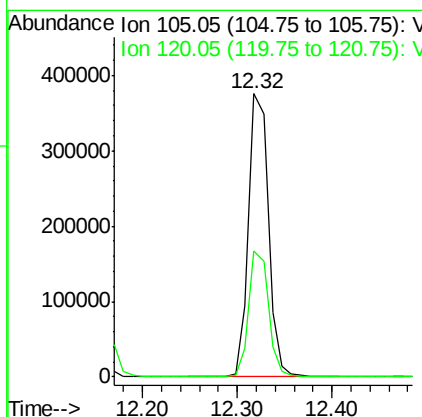
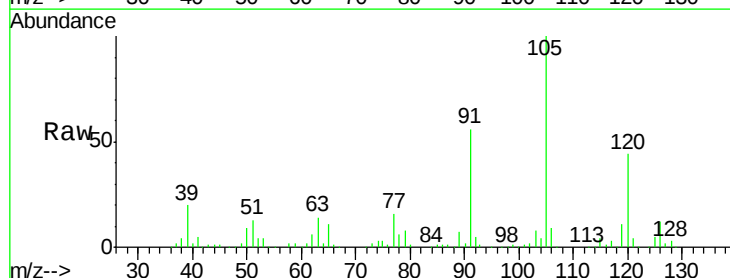
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Tot Ion: 91 Resp: 494915
 Ion Ratio Lower Upper
 91 100
 126 30.4 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 23.33 ug/l
 RT: 12.32 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion: 105 Resp: 551989
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.05 ug/l

RT: 11.85 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

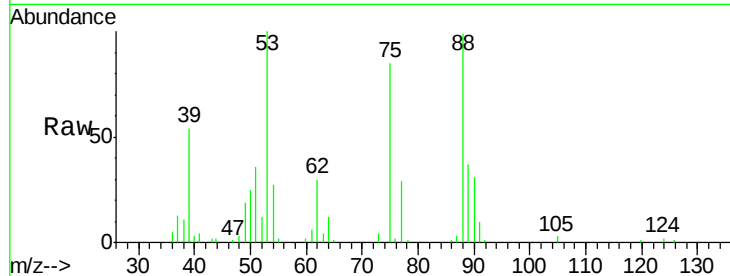
Tot Ion: 75 Resp: 36201

Ion Ratio Lower Upper

75 100

53 117.9 100.8 151.2

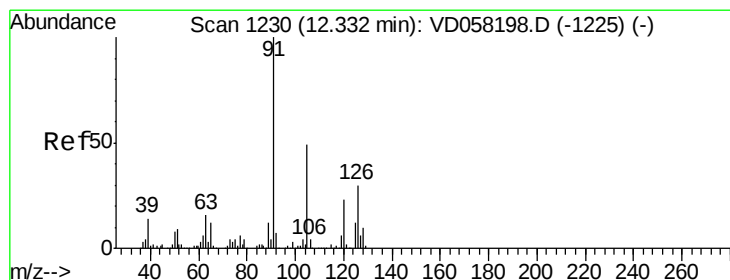
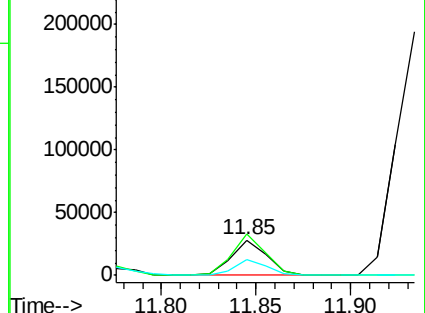
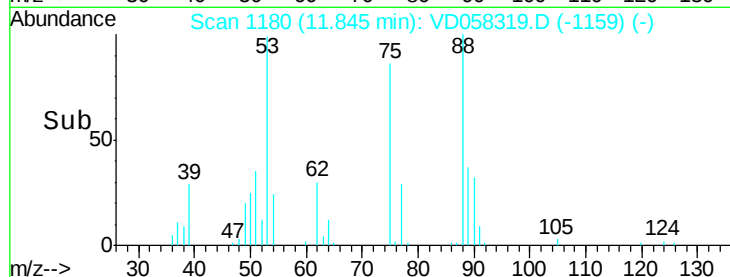
89 43.4 34.6 52.0



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: 23.91 ug/l

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058319.D

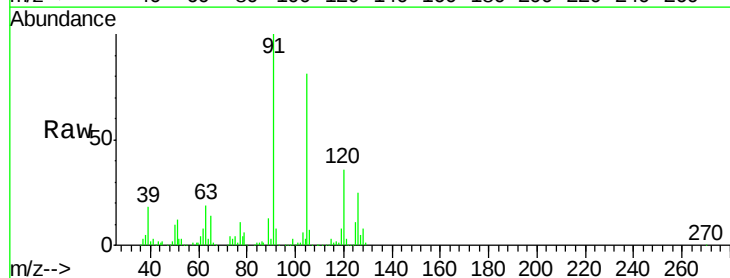
Acq: 23 Jun 2018 3:48

Tgt Ion: 91 Resp: 584403

Ion Ratio Lower Upper

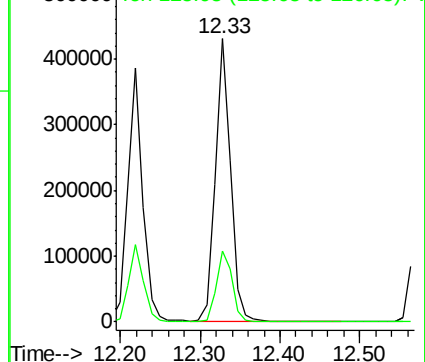
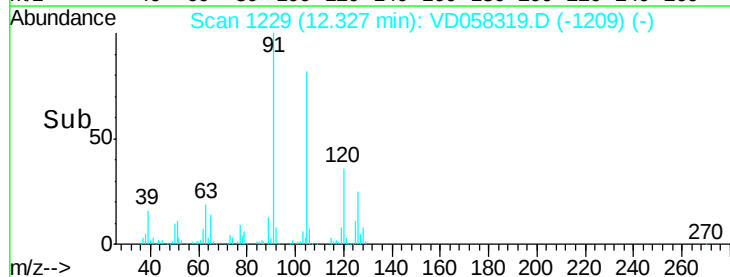
91 100

126 25.2 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

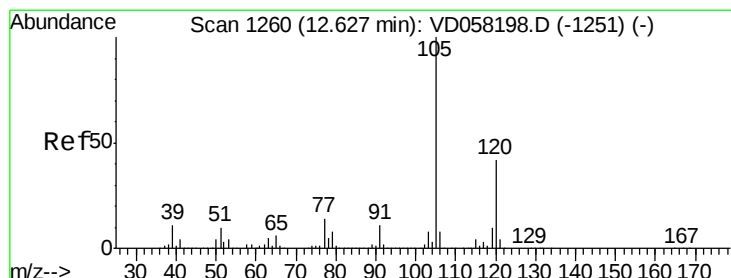
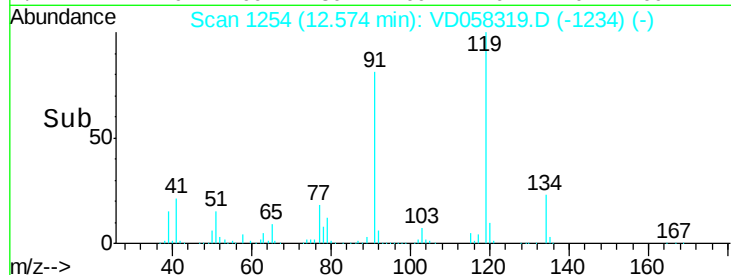
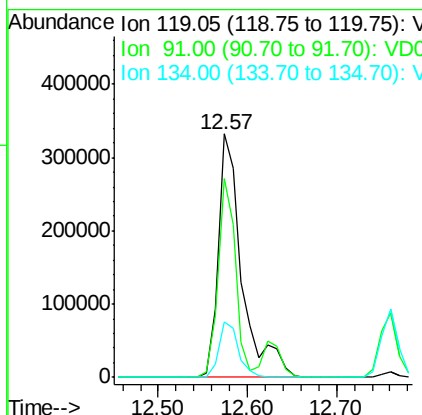
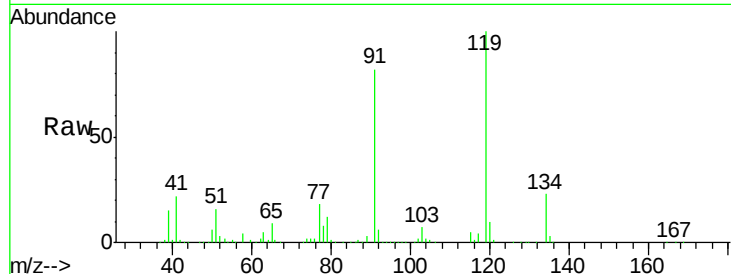




#83
 tert-Butylbenzene
 Concen: 22.65 ug/l
 RT: 12.57 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

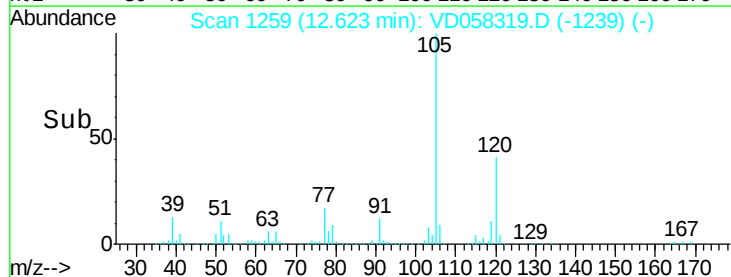
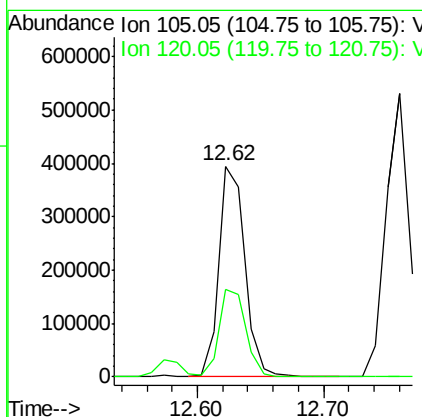
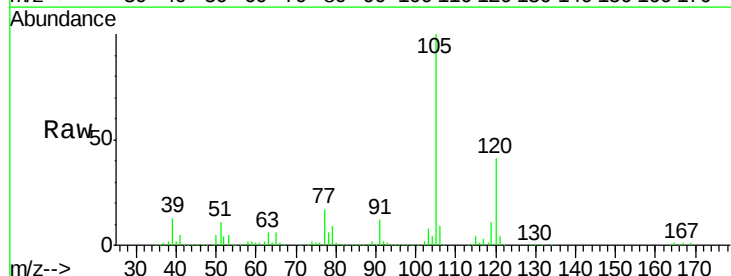
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

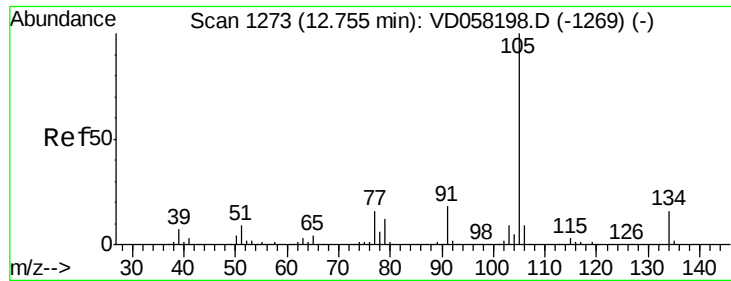
Tot Ion:119 Resp: 616204
 Ion Ratio Lower Upper
 119 100
 91 81.7 38.9 116.6
 134 22.6 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.73 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion:105 Resp: 558791
 Ion Ratio Lower Upper
 105 100
 120 41.2 20.8 62.4





#85

sec-Butylbenzene

Concen: 21.89 ug/l

RT: 12.76 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

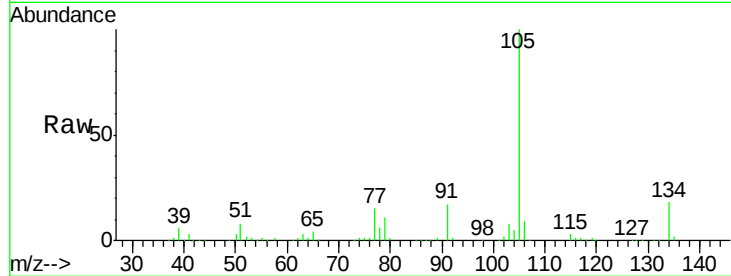
VD0622SBS02

Tot Ion:105 Resp: 697763

Ion Ratio Lower Upper

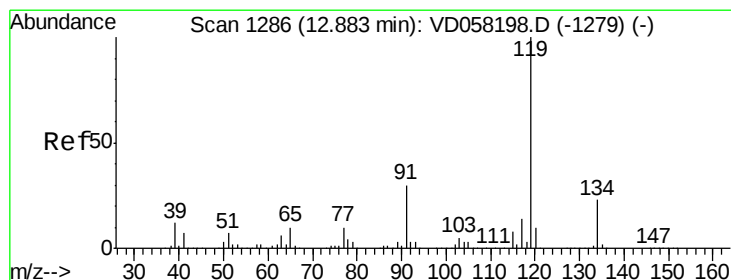
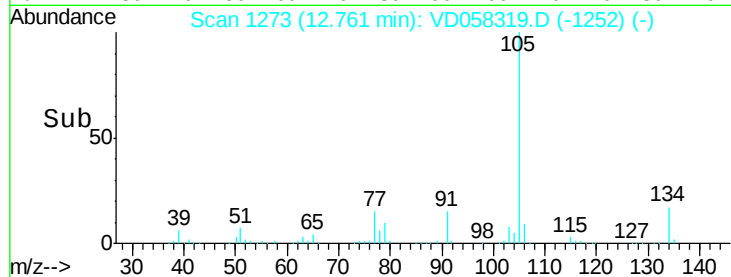
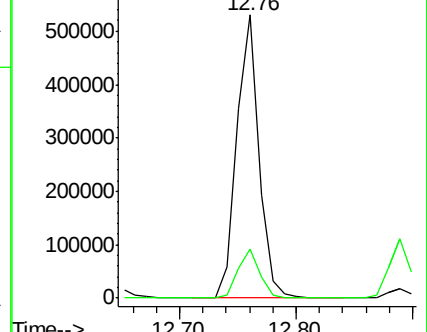
105 100

134 17.5 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.25 ug/l

RT: 12.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

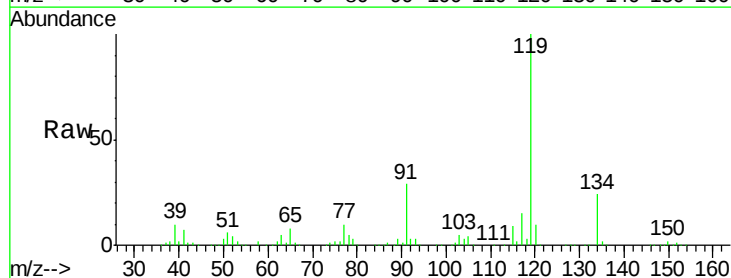
Tgt Ion:119 Resp: 574927

Ion Ratio Lower Upper

119 100

134 23.6 11.6 34.8

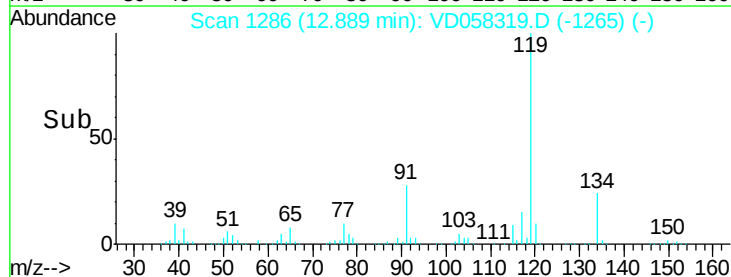
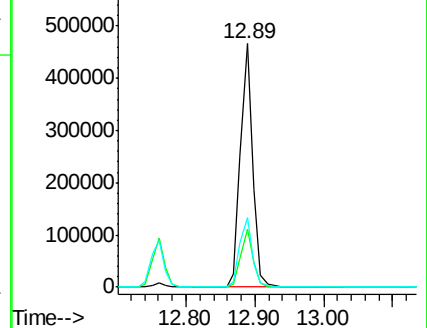
91 28.5 15.0 45.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

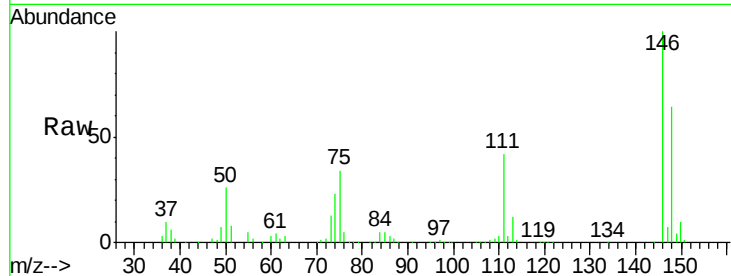




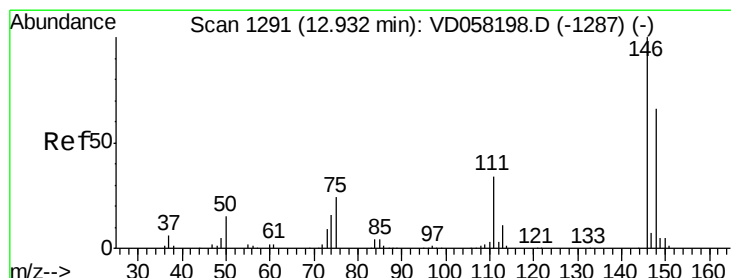
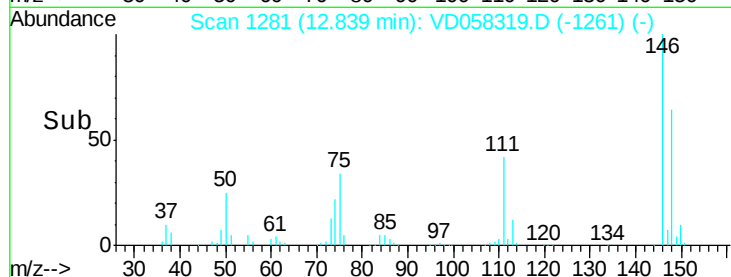
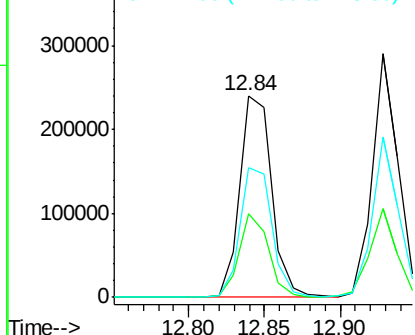
#87
 1,3-Dichlorobenzene
 Concen: 22.34 ug/l
 RT: 12.84 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD02

Tot Ion:146 Resp: 352711
 Ion Ratio Lower Upper
 146 100
 111 41.6 18.4 55.0
 148 64.2 32.8 98.4

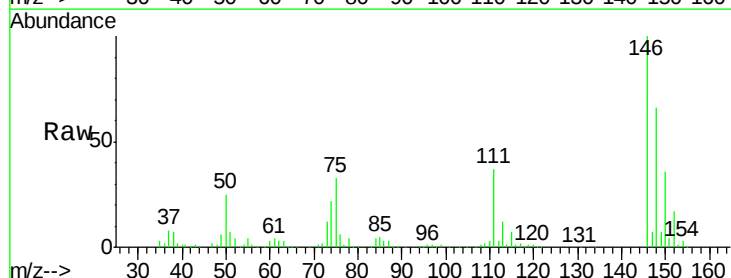


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

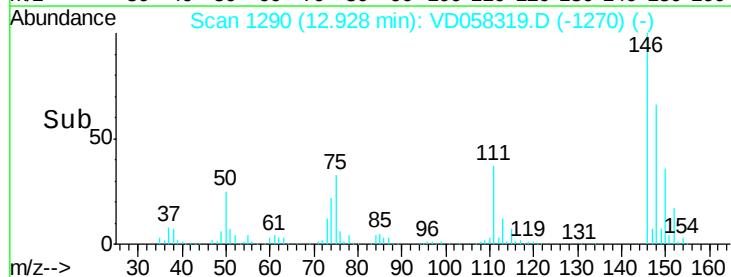
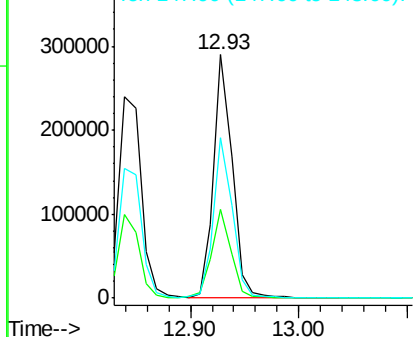


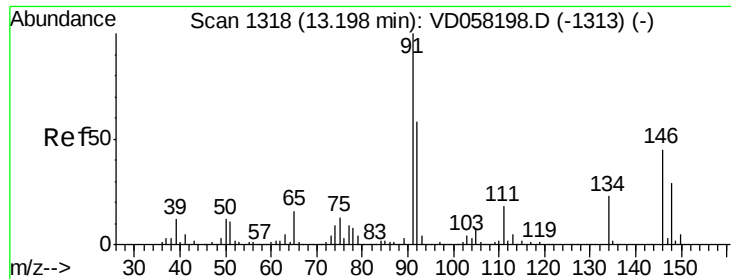
#88
 1,4-Dichlorobenzene
 Concen: 22.70 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion:146 Resp: 349923
 Ion Ratio Lower Upper
 146 100
 111 36.6 17.2 51.5
 148 65.7 33.1 99.3



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

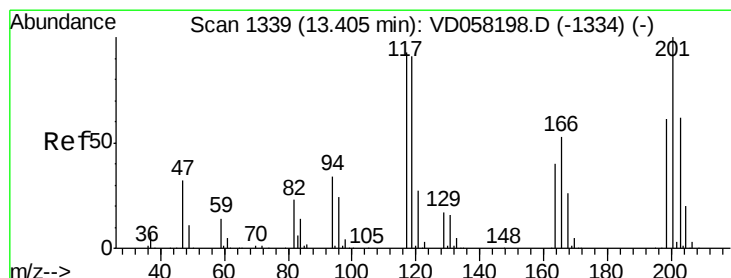
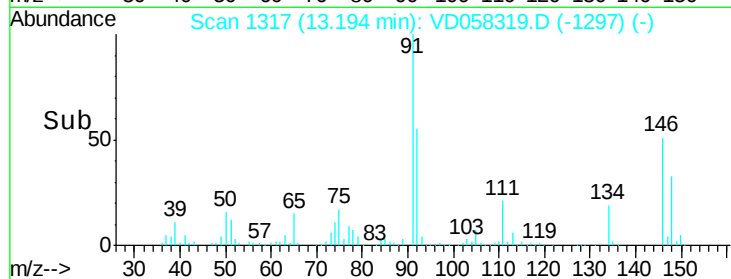
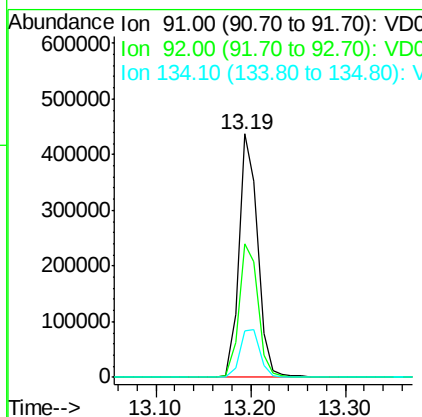
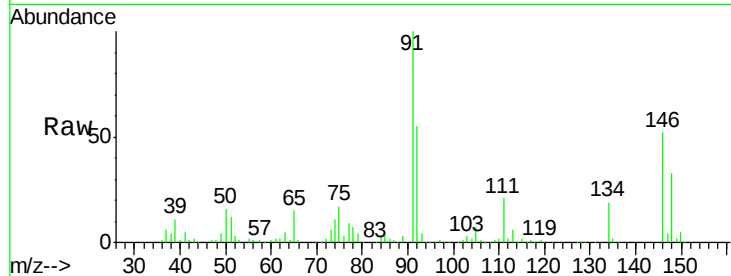




#89
n-Butylbenzene
Concen: 22.00 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

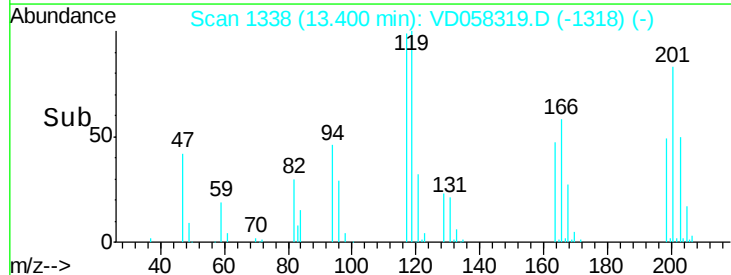
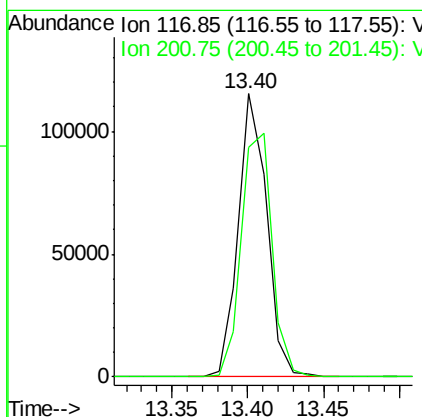
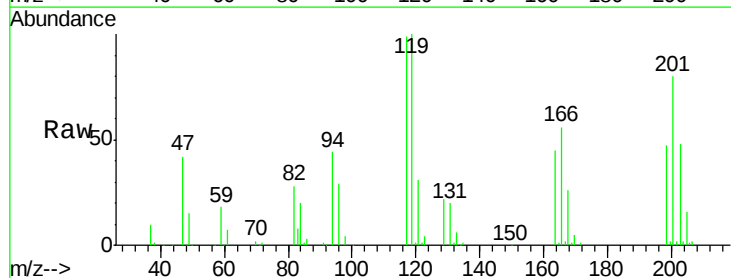
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS02

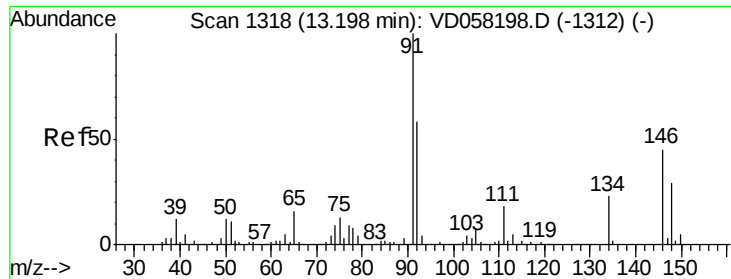
Tot Ion: 91 Resp: 597425
Ion Ratio Lower Upper
91 100
92 54.7 29.2 87.6
134 19.1 11.3 33.8



#90
Hexachloroethane
Concen: 22.40 ug/l
RT: 13.40 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD058319.D
Acq: 23 Jun 2018 3:48

Tgt Ion: 117 Resp: 150184
Ion Ratio Lower Upper
117 100
201 81.0 53.8 161.4

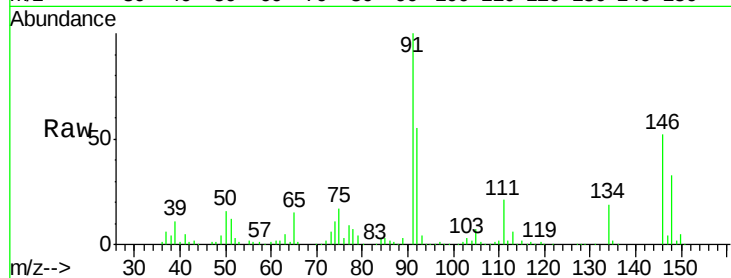




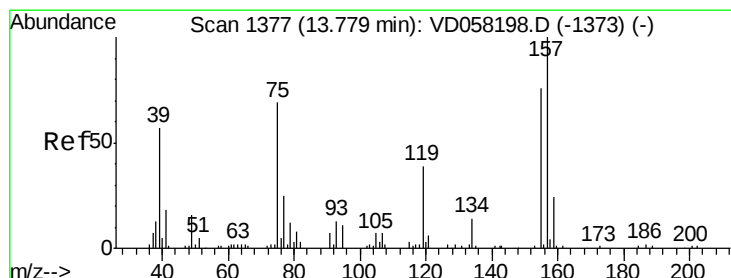
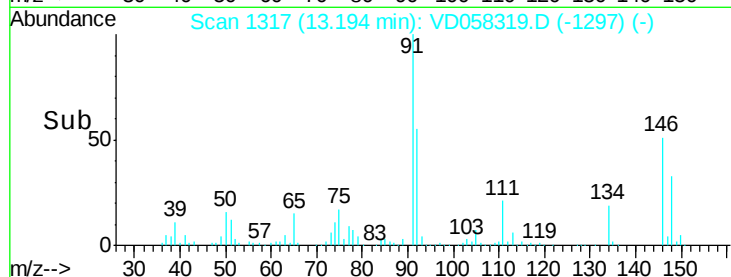
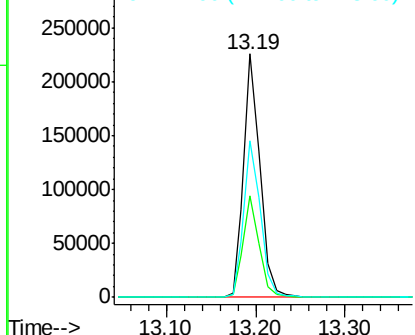
#91
 1,2-Dichlorobenzene
 Concen: 21.65 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Tot Ion:146 Resp: 290820
 Ion Ratio Lower Upper
 146 100
 111 41.5 19.6 58.7
 148 64.2 32.0 96.2

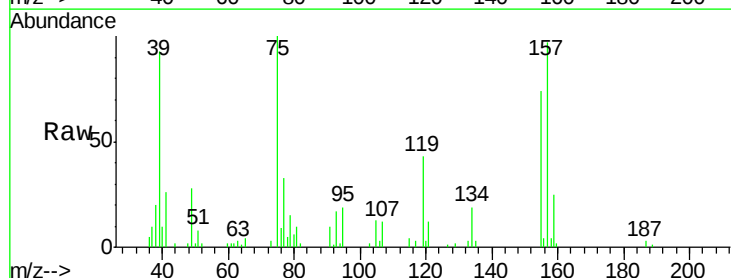


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

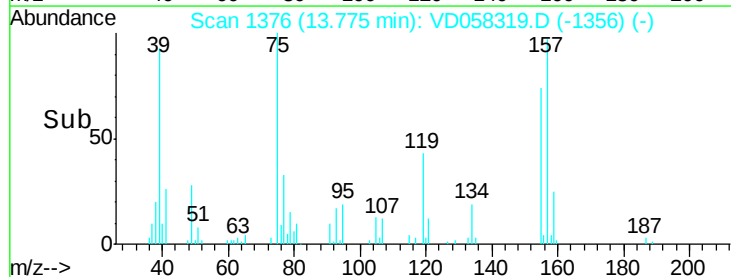
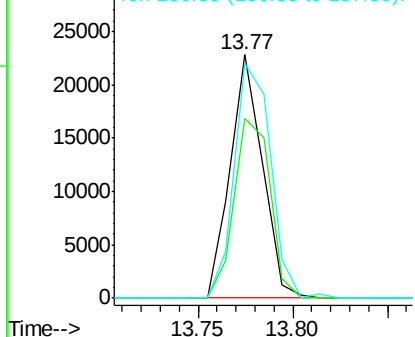


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.77 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion: 75 Resp: 26707
 Ion Ratio Lower Upper
 75 100
 155 73.7 54.5 163.5
 157 96.5 72.0 215.9



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

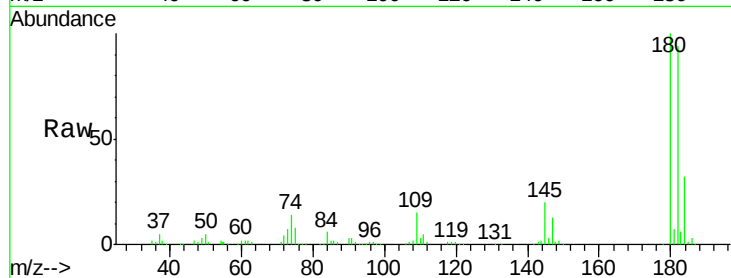




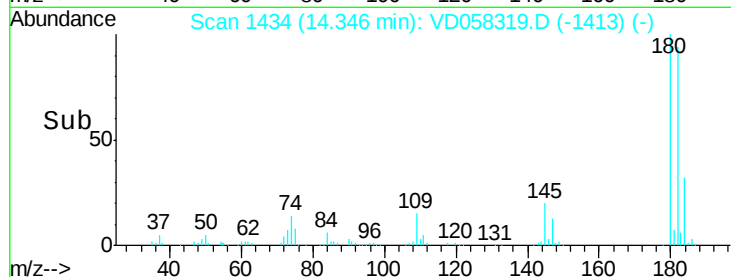
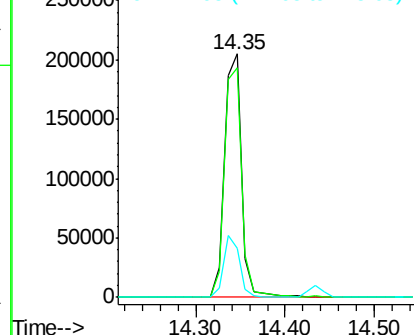
#93
 1,2,4-Trichlorobenzene
 Concen: 21.49 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS02

Tot Ion:180 Resp: 276195
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.1 141.3
 145 19.9 11.7 35.0

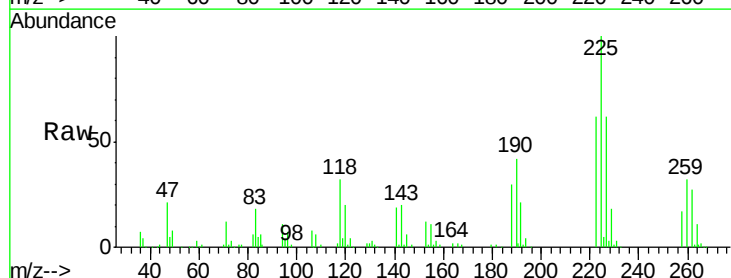


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

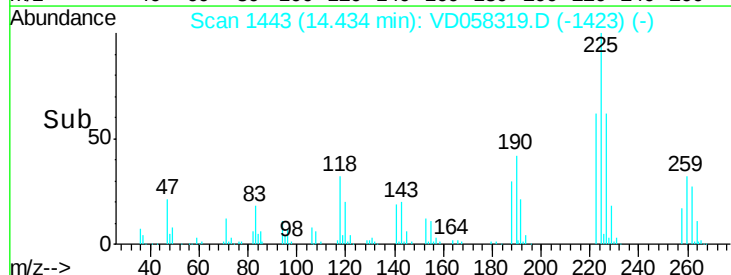
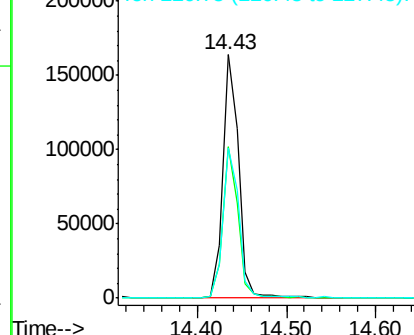


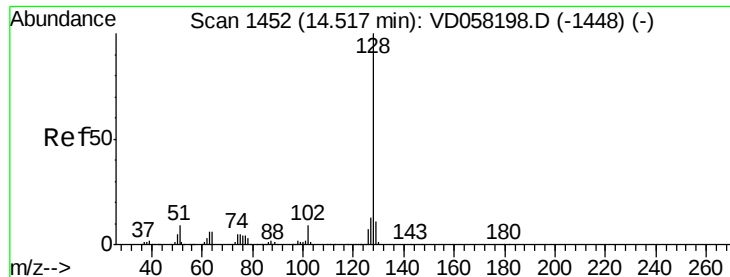
#94
 Hexachlorobutadiene
 Concen: 20.35 ug/l
 RT: 14.43 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD058319.D
 Acq: 23 Jun 2018 3:48

Tgt Ion:225 Resp: 204549
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.1 90.3
 227 61.6 33.0 98.9



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: 21.92 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.00 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS02

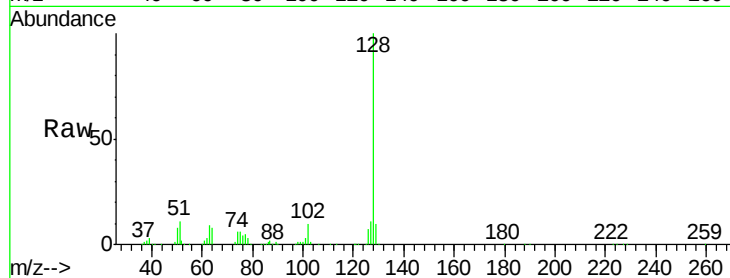
Tot Ion:128 Resp: 371012

Ion Ratio Lower Upper

128 100

127 11.4 10.0 15.0

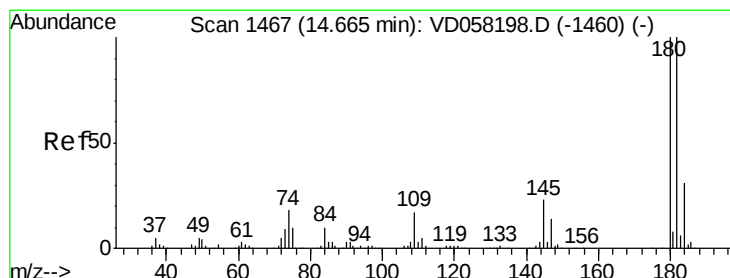
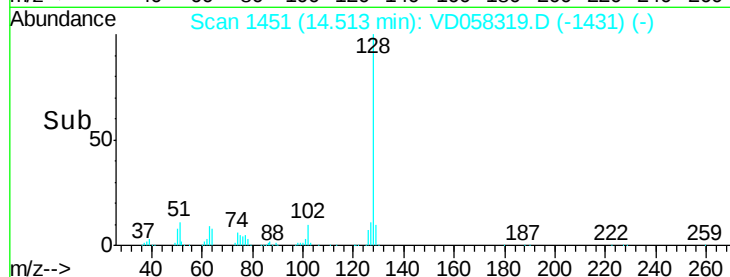
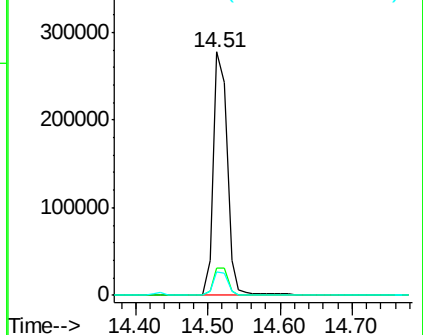
129 9.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.06 ug/l

RT: 14.66 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VD058319.D

Acq: 23 Jun 2018 3:48

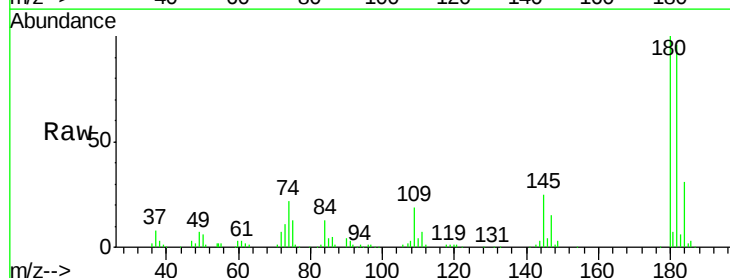
Tgt Ion:180 Resp: 236878

Ion Ratio Lower Upper

180 100

182 96.1 49.9 149.6

145 25.1 11.7 35.1



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

