

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058250.D
 Acq On : 21 Jun 2018 14:09
 Operator : VA/AP
 Sample : VF0621SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Quant Time: Jun 22 06:14:37 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	895929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1194623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	948584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	499070	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	493672	54.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.10%	
35) Dibromofluoromethane	5.56	113	503256	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	8.72	98	1199233	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.94	95	478896	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	235417	26.112	ug/l	99
3) Chloromethane	1.48	50	117354	28.108	ug/l	99
4) Vinyl Chloride	1.55	62	113728	24.232	ug/l	100
5) Bromomethane	1.79	94	36044	20.404	ug/l	90
6) Chloroethane	1.88	64	40081	21.879	ug/l	97
7) Trichlorofluoromethane	2.08	101	154911	24.072	ug/l	99
8) Diethyl Ether	2.35	74	30879	22.686	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.56	101	100997	24.688	ug/l	94
10) Methyl Iodide	2.69	142	107950	23.198	ug/l	97
11) Tert butyl alcohol	3.27	59	30800	103.193	ug/l	96
12) 1,1-Dichloroethene	2.55	96	72297	23.488	ug/l	95
13) Acrolein	2.47	56	21934	128.733	ug/l	86
14) Allyl chloride	2.92	41	166215	23.201	ug/l	95
15) Acrylonitrile	3.36	53	96209	121.567	ug/l	96
16) Acetone	2.61	43	140898	113.848	ug/l	97
17) Carbon Disulfide	2.75	76	232074	22.161	ug/l	98
18) Methyl Acetate	2.94	43	48450	18.357	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	198985	24.374	ug/l	92
20) Methylene Chloride	3.07	84	88769	25.102	ug/l #	85
21) trans-1,2-Dichloroethene	3.38	96	76065	22.612	ug/l #	76
22) Diisopropyl ether	4.08	45	654868	23.016	ug/l	98
23) Vinyl Acetate	4.02	43	1800896	118.072	ug/l	98
24) 1,1-Dichloroethane	3.97	63	372594	24.307	ug/l	98
25) 2-Butanone	4.85	43	297791	110.400	ug/l	97
26) 2,2-Dichloropropane	4.81	77	315507	24.581	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	207402	24.672	ug/l	97
28) Bromochloromethane	5.15	49	151485	22.045	ug/l #	97
29) Tetrahydrofuran	5.19	42	152648	106.319	ug/l	99
30) Chloroform	5.33	83	392571	24.258	ug/l	94
31) Cyclohexane	5.60	56	295280	23.792	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	315558	23.601	ug/l	96
36) 1,1-Dichloropropene	5.75	75	276655	23.410	ug/l	100
37) Ethyl Acetate	4.94	43	144777	21.501	ug/l	96
38) Carbon Tetrachloride	5.74	117	265336	22.596	ug/l	97

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 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	271203	23.561	ug/l	94
40) Benzene	6.02	78	646567	22.967	ug/l	99
41) Methacrylonitrile	5.13	41	72846	22.404	ug/l	97
42) 1,2-Dichloroethane	6.14	62	243543	21.455	ug/l	100
43) Isopropyl Acetate	7.63	43	178639	19.900	ug/l #	98
44) Trichloroethene	7.00	130	184940	21.878	ug/l	100
45) 1,2-Dichloropropane	7.36	63	181551	23.946	ug/l	97
46) Dibromomethane	7.47	93	116630	22.534	ug/l	92
47) Bromodichloromethane	7.75	83	266537	22.583	ug/l #	99
48) Methyl methacrylate	7.52	41	109423	20.056	ug/l	90
49) 1,4-Dioxane	7.49	88	21823	443.107	ug/l #	80
51) 4-Methyl-2-Pentanone	8.61	43	629066	107.432	ug/l	98
52) Toluene	8.81	92	370519	23.114	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	231225	22.534	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	278181	23.124	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	127905	22.553	ug/l	99
56) Ethyl methacrylate	9.32	69	150048	22.122	ug/l	98
57) 1,3-Dichloropropane	9.67	76	198534	20.782	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	364287	108.491	ug/l	98
59) 2-Hexanone	9.79	43	479459	113.319	ug/l	99
60) Dibromochloromethane	9.97	129	173901	22.594	ug/l	99
61) 1,2-Dibromoethane	10.11	107	133876	21.568	ug/l	99
64) Tetrachloroethene	9.53	164	175059	21.933	ug/l	98
65) Chlorobenzene	10.73	112	419251	23.628	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	157639	23.021	ug/l	100
67) Ethyl Benzene	10.86	91	733123	23.403	ug/l	99
68) m/p-Xylenes	11.02	106	495682	47.450	ug/l	94
69) o-Xylene	11.41	106	241609	24.216	ug/l	99
70) Styrene	11.44	104	397303	23.336	ug/l	97
71) Bromoform	11.60	173	121022	22.156	ug/l	96
73) Isopropylbenzene	11.78	105	695010	23.282	ug/l	98
74) N-amyl acetate	11.65	43	233344	20.216	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	153621	22.114	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	165322	22.689	ug/l	96
77) Bromobenzene	12.05	156	213284	23.860	ug/l	88
78) n-propylbenzene	12.15	91	898591	23.310	ug/l	97
79) 2-Chlorotoluene	12.22	91	509835	23.111	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	549089	23.583	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	39260	22.092	ug/l	89
82) 4-Chlorotoluene	12.33	91	567912	23.538	ug/l	97
83) tert-Butylbenzene	12.58	119	609043	22.752	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	555875	21.963	ug/l	99
85) sec-Butylbenzene	12.75	105	720423	22.960	ug/l	99
86) p-Isopropyltoluene	12.89	119	575951	22.651	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	358543	23.077	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	345830	22.794	ug/l	96
89) n-Butylbenzene	13.20	91	624133	23.355	ug/l	96
90) Hexachloroethane	13.40	117	151693	22.985	ug/l	74
91) 1,2-Dichlorobenzene	13.20	146	297253	22.482	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	25096	22.699	ug/l	68

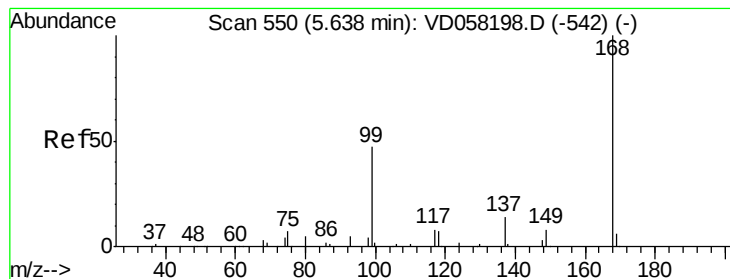
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	286296	22.640	ug/l	97
94) Hexachlorobutadiene	14.44	225	209913	21.223	ug/l	98
95) Naphthalene	14.52	128	353340	21.212	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	241752	21.837	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

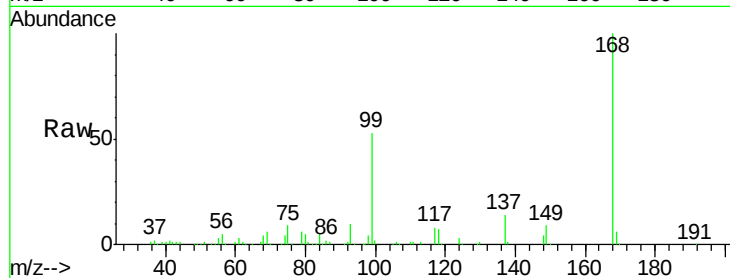
VD0621SBSD01

Tot Ion:168 Resp: 895929

Ion Ratio Lower Upper

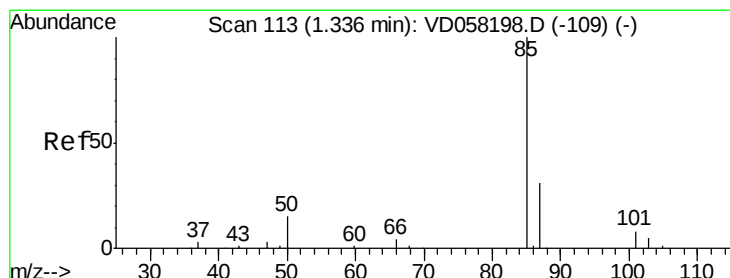
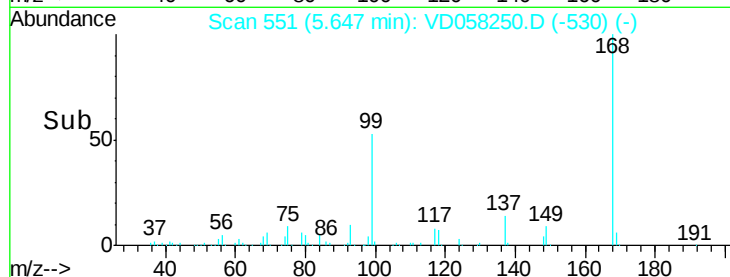
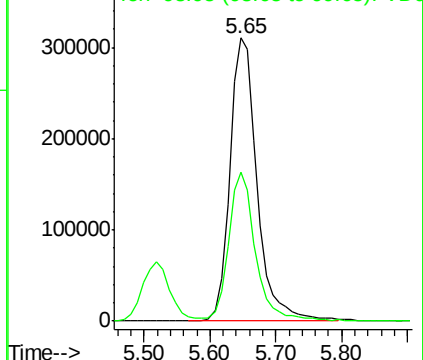
168 100

99 52.7 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: 26.112 ug/l

RT: 1.33 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD058250.D

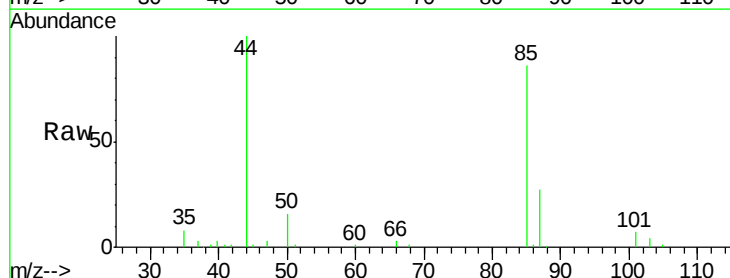
Acq: 21 Jun 2018 14:09

Tgt Ion: 85 Resp: 235417

Ion Ratio Lower Upper

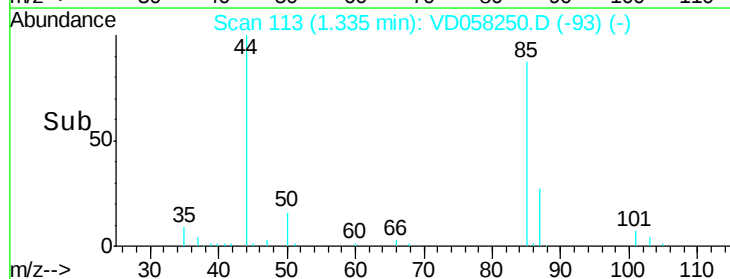
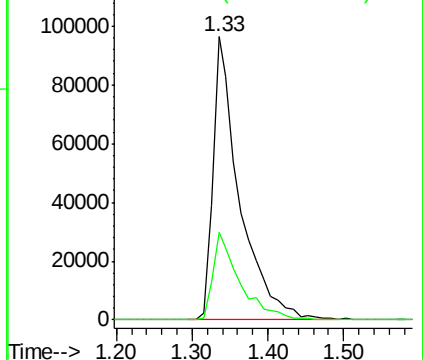
85 100

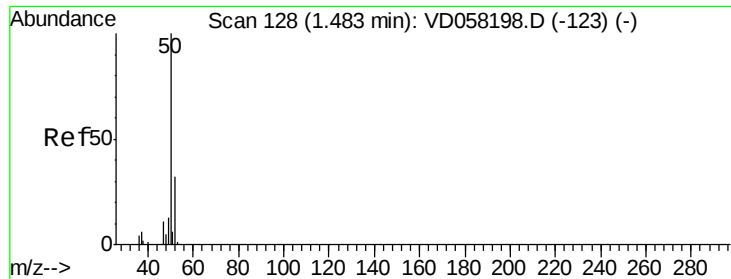
87 30.8 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 28.108 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

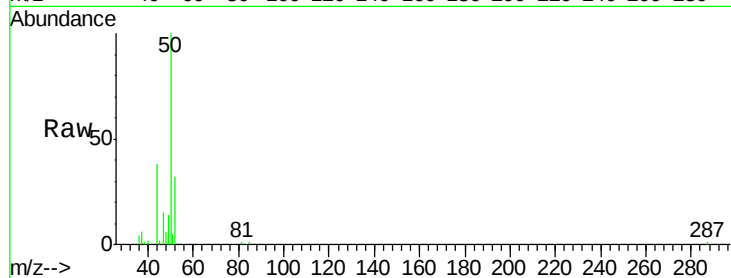
VD0621SBSD01

Tot Ion: 50 Resp: 117354

Ion Ratio Lower Upper

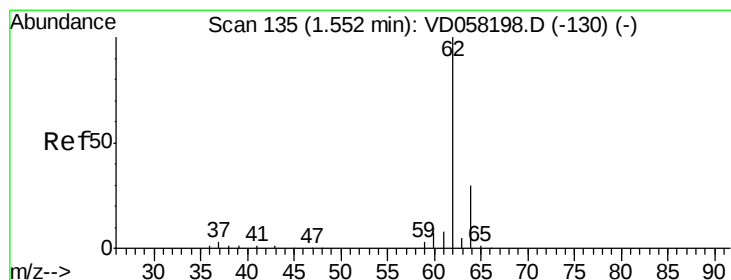
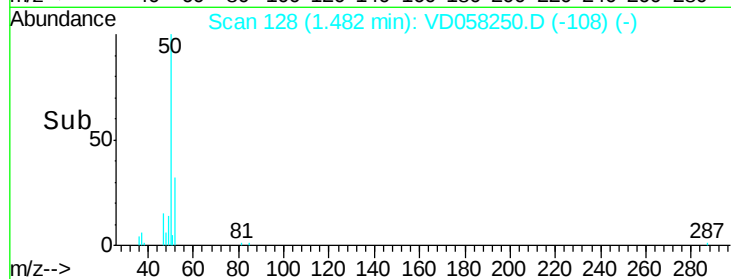
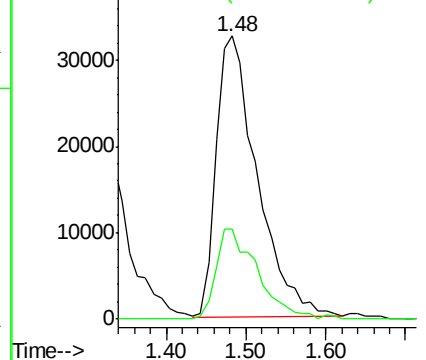
50 100

52 31.9 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: 24.232 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058250.D

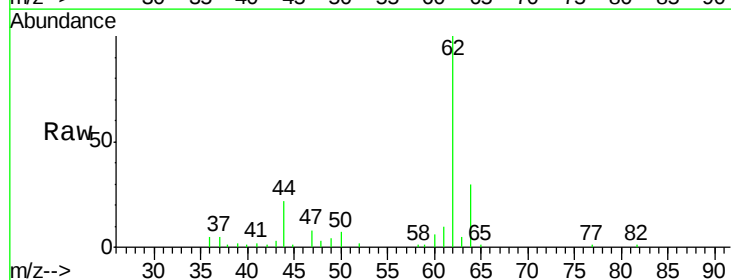
Acq: 21 Jun 2018 14:09

Tgt Ion: 62 Resp: 113728

Ion Ratio Lower Upper

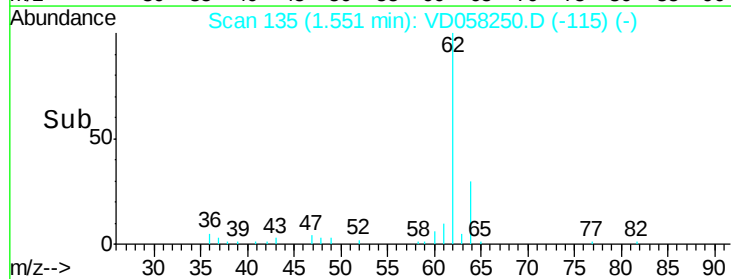
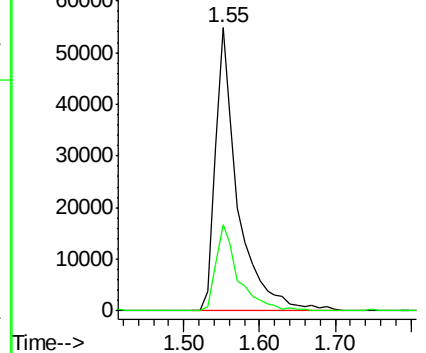
62 100

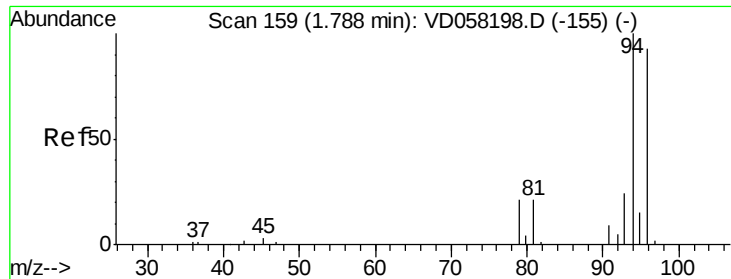
64 30.5 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.404 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

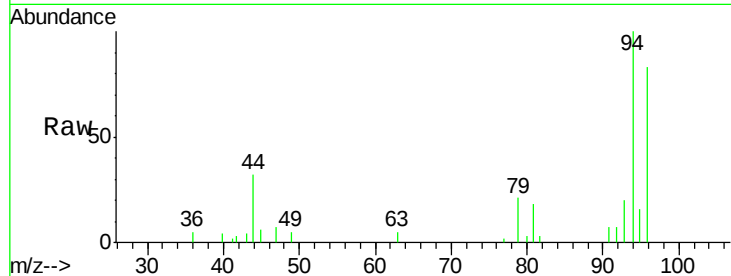
VD0621SBS01

Tot Ion: 94 Resp: 36044

Ion Ratio Lower Upper

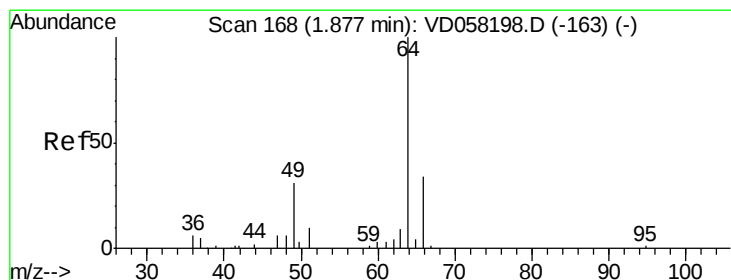
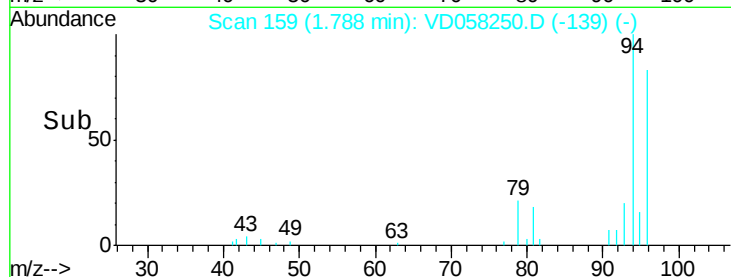
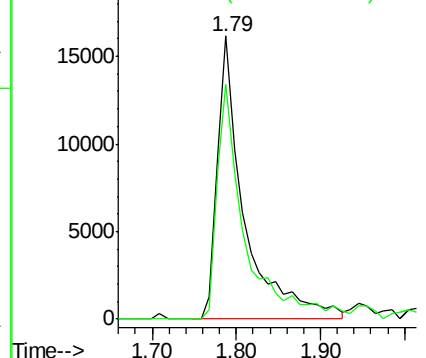
94 100

96 82.8 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: 21.879 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD058250.D

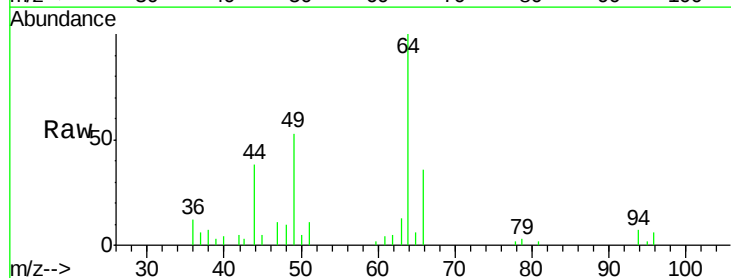
Acq: 21 Jun 2018 14:09

Tgt Ion: 64 Resp: 40081

Ion Ratio Lower Upper

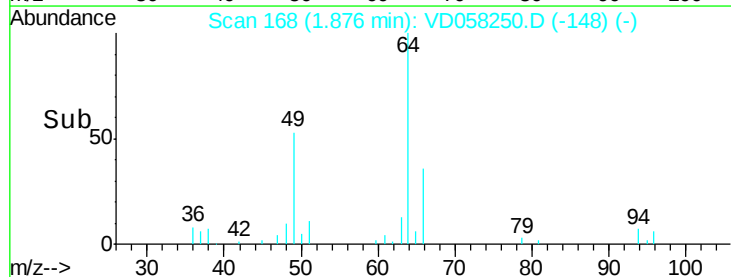
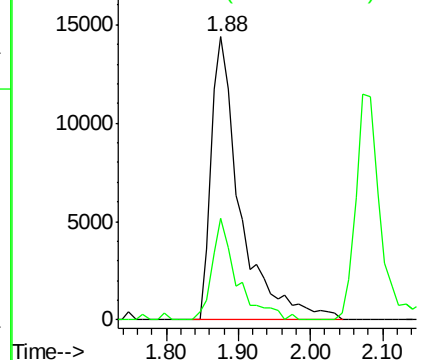
64 100

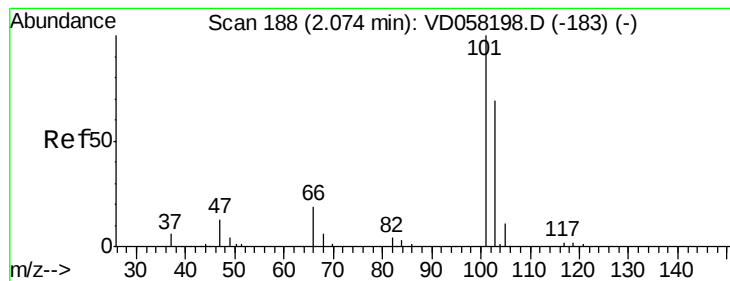
66 35.7 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



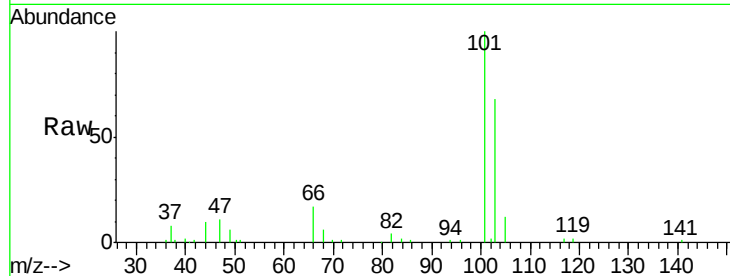


#7

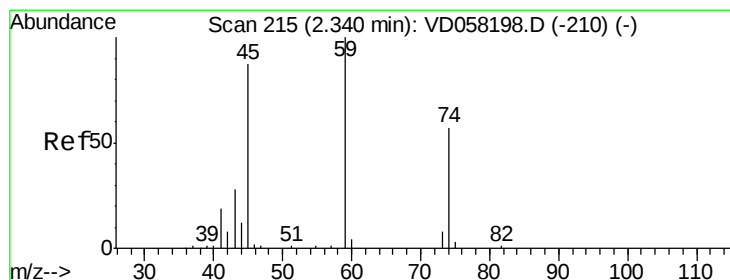
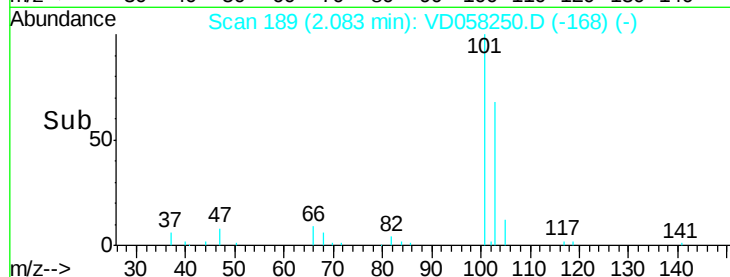
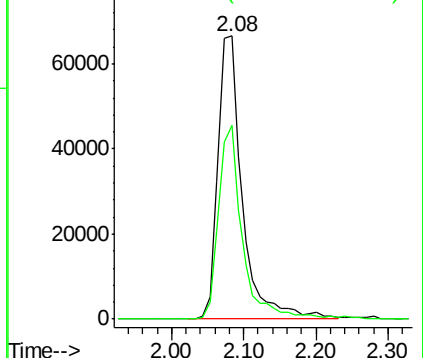
Trichlorofluoromethane
Concen: 24.072 ug/l
RT: 2.08 min Scan# 189
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:101 Resp: 154911
Ion Ratio Lower Upper
101 100
103 68.3 55.1 82.7



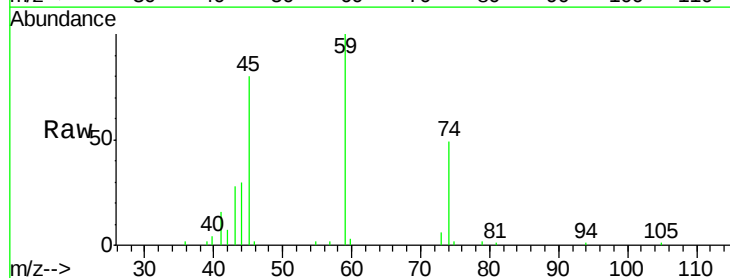
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



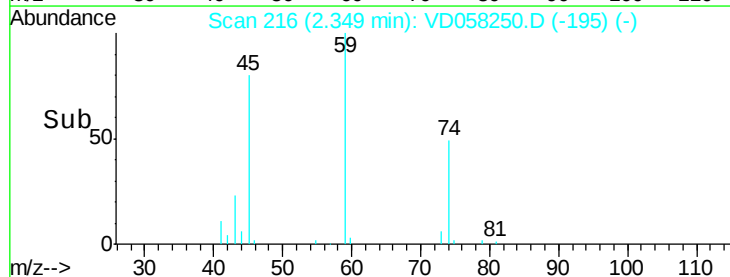
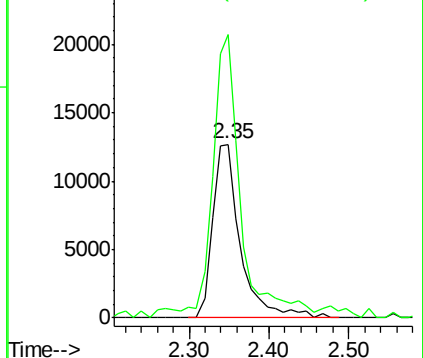
#8

Diethyl Ether
Concen: 22.686 ug/l
RT: 2.35 min Scan# 216
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 74 Resp: 30879
Ion Ratio Lower Upper
74 100
45 162.8 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: 24.688 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

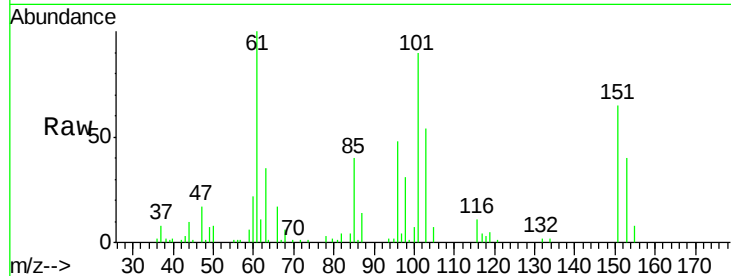
Tot Ion:101 Resp: 100997

Ion Ratio Lower Upper

101 100

85 44.7 39.0 58.4

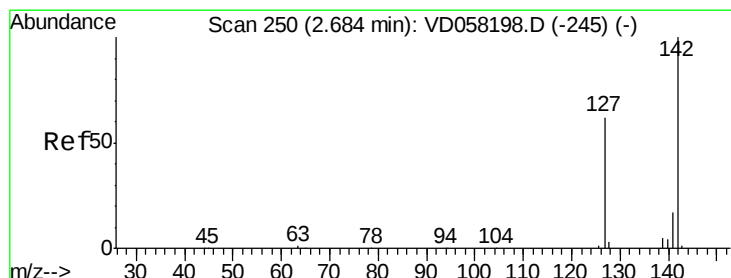
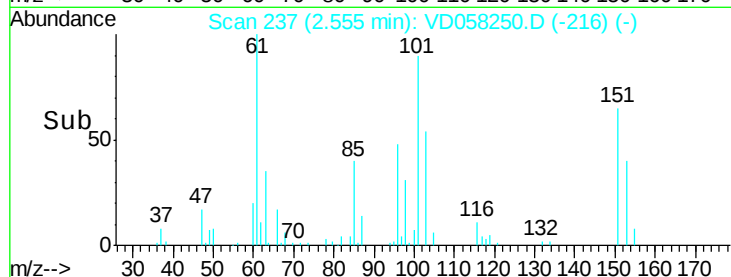
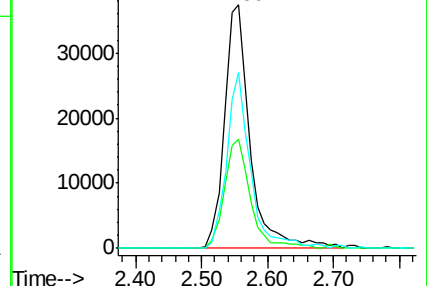
151 72.1 61.8 92.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 23.198 ug/l

RT: 2.69 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

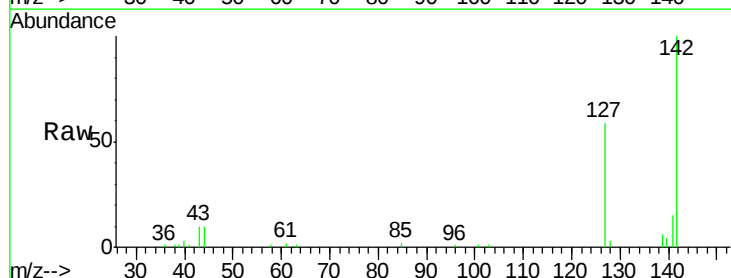
Tgt Ion:142 Resp: 107950

Ion Ratio Lower Upper

142 100

127 59.2 49.4 74.0

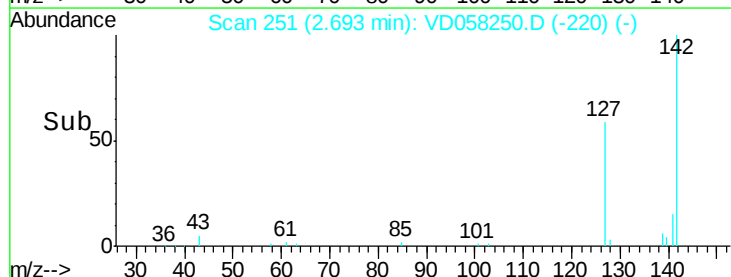
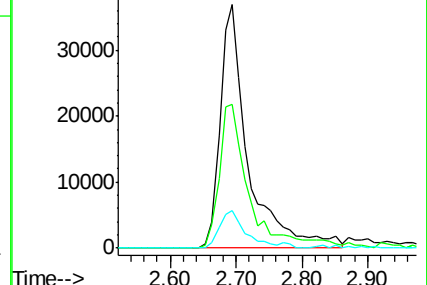
141 15.3 13.5 20.3



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



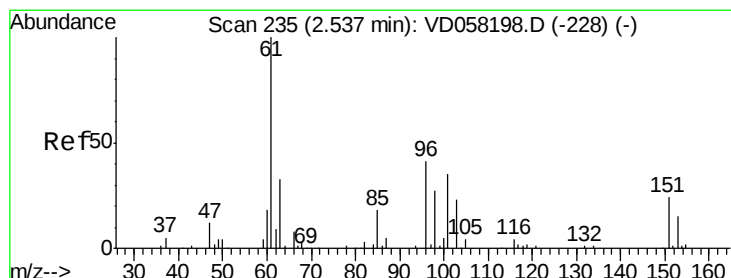
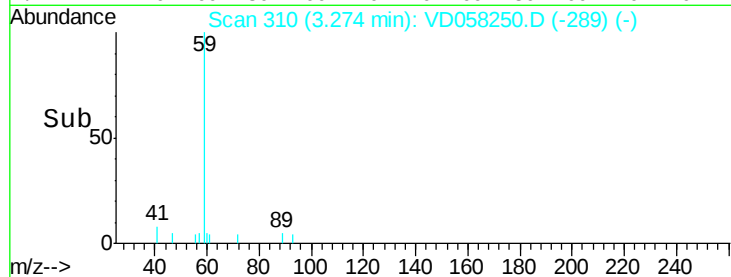
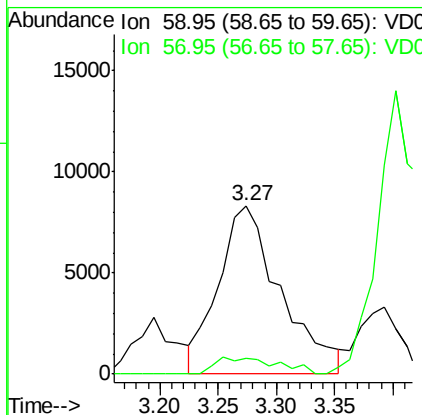
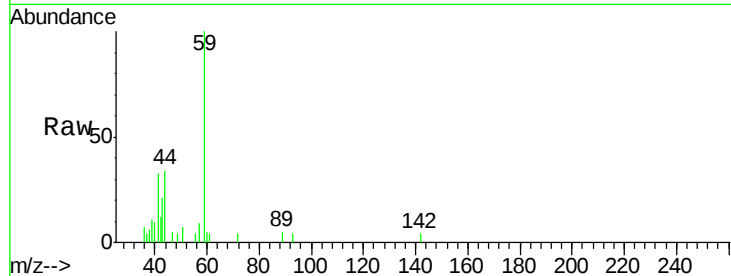


#11

Tert butyl alcohol
Concen: 103.193 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

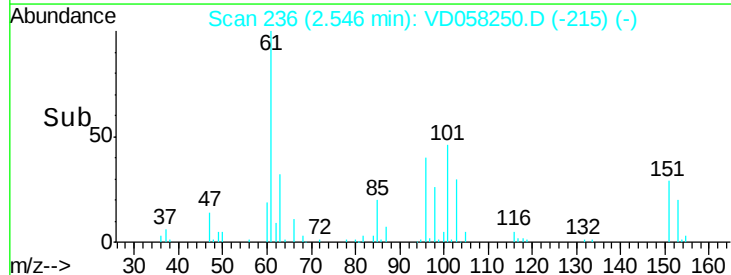
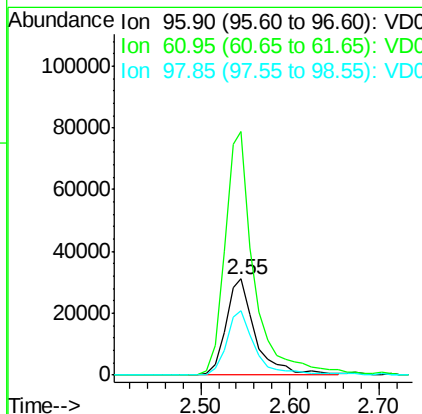
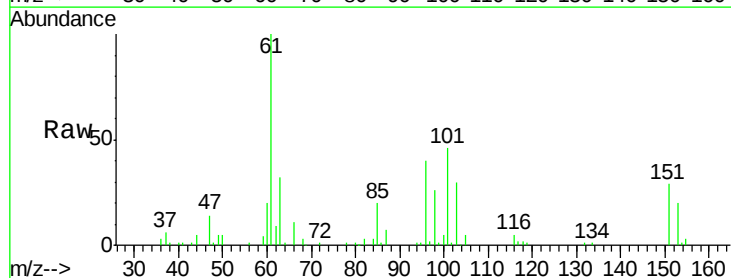
Tot Ion: 59 Resp: 30800
Ion Ratio Lower Upper
59 100
57 9.2 6.2 9.4

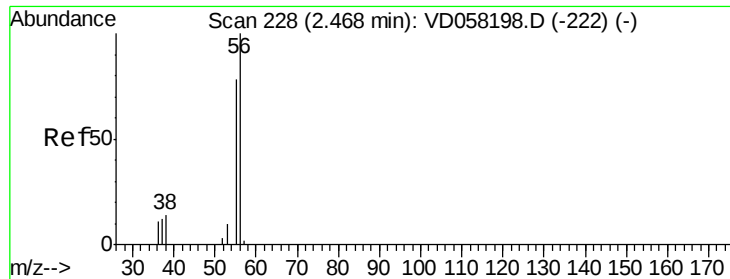


#12

1,1-Dichloroethene
Concen: 23.488 ug/l
RT: 2.55 min Scan# 236
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 96 Resp: 72297
Ion Ratio Lower Upper
96 100
61 253.1 193.9 290.9
98 66.4 51.7 77.5





#13

Acrolein

Concen: 128.733 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

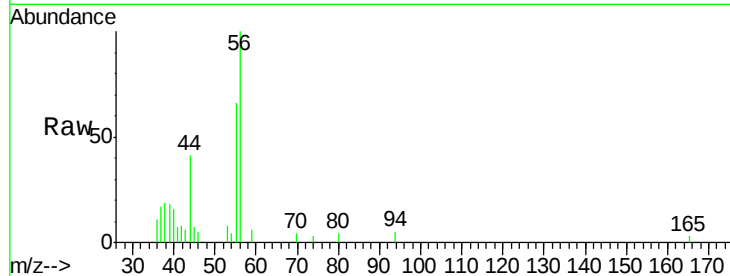
VD0621SBSD01

Tot Ion: 56 Resp: 21934

Ion Ratio Lower Upper

56 100

55 65.8 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.47

10000

8000

6000

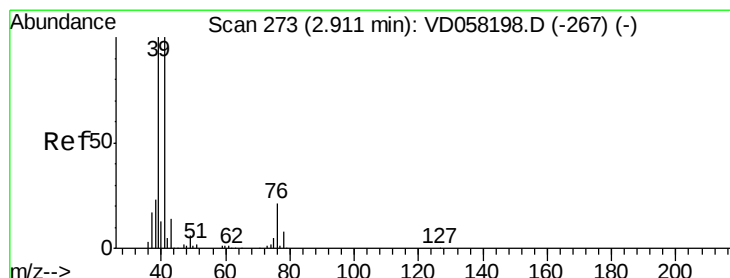
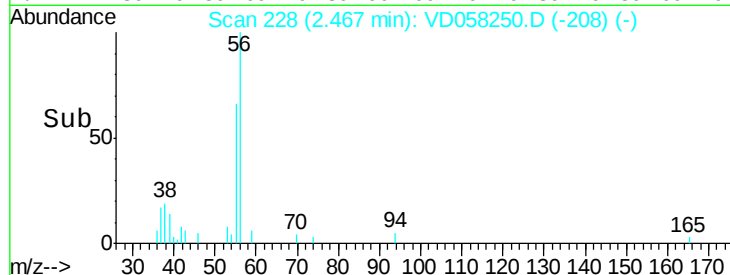
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 23.201 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

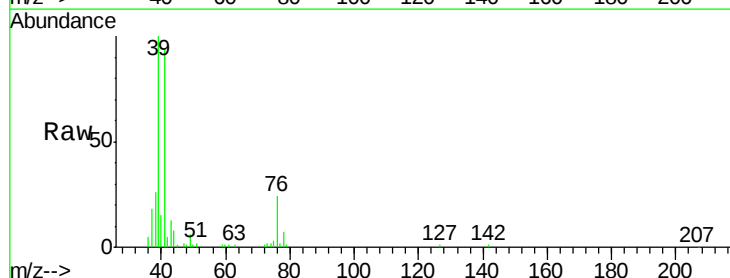
Tgt Ion: 41 Resp: 166215

Ion Ratio Lower Upper

41 100

39 106.3 80.1 120.1

76 25.6 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

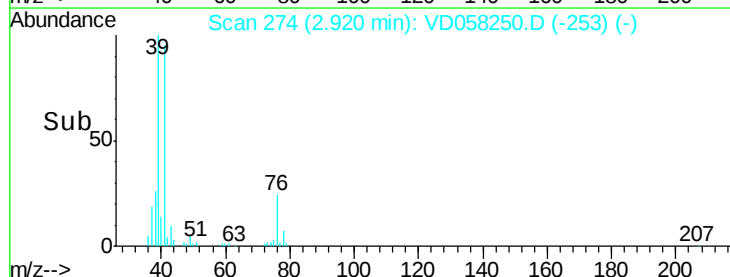
40000

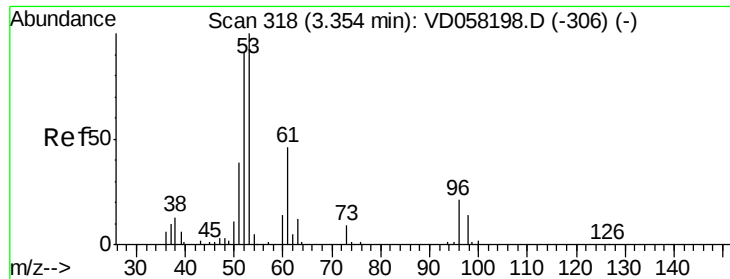
20000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 121.567 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

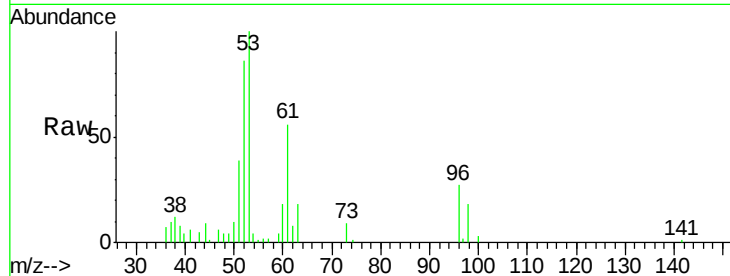
Tot Ion: 53 Resp: 96209

Ion Ratio Lower Upper

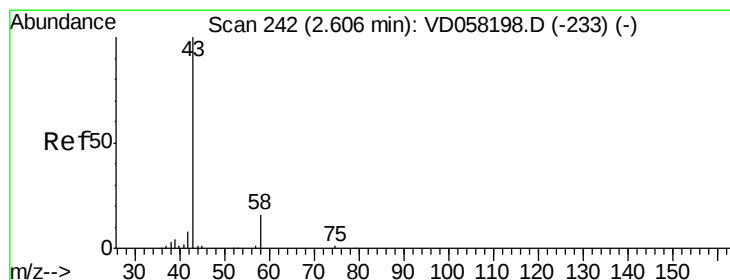
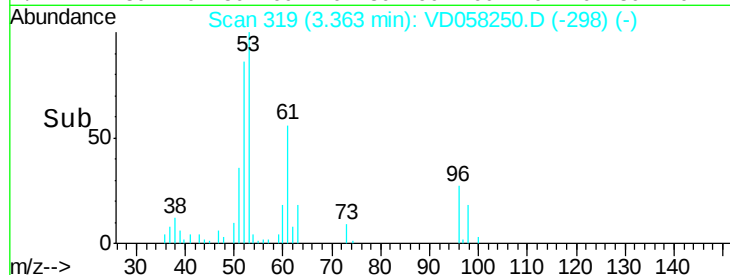
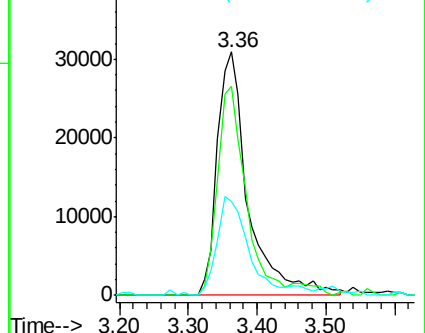
53 100

52 85.8 72.6 108.8

51 38.8 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: 113.848 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058250.D

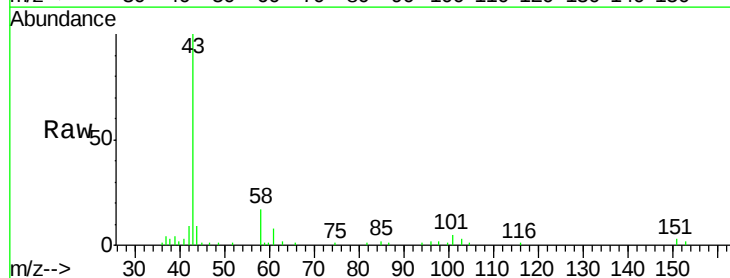
Acq: 21 Jun 2018 14:09

Tgt Ion: 43 Resp: 140898

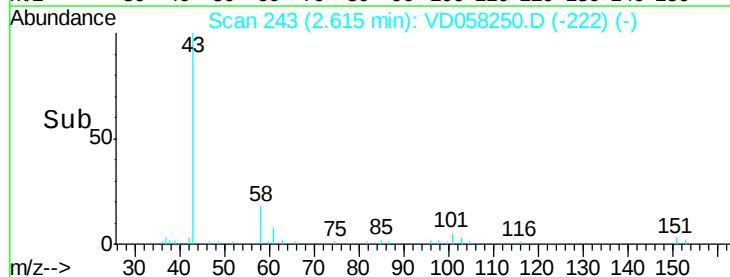
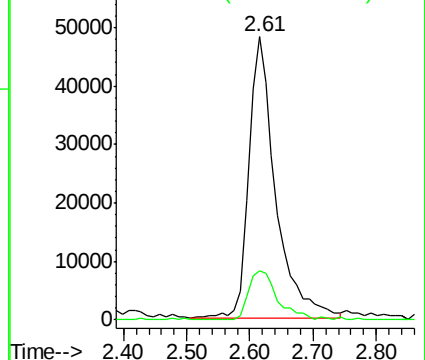
Ion Ratio Lower Upper

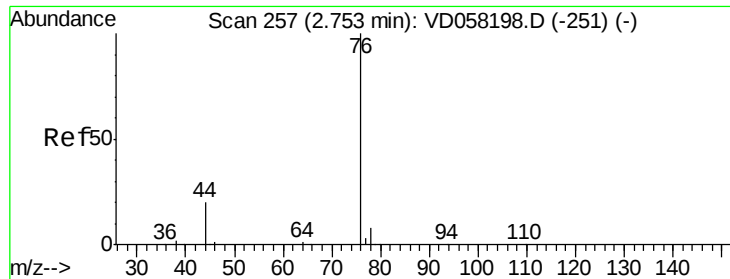
43 100

58 17.2 12.7 19.1



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

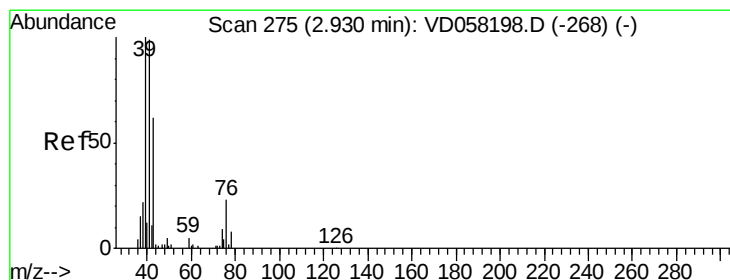
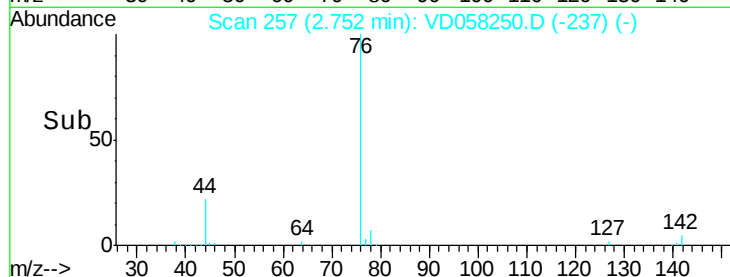
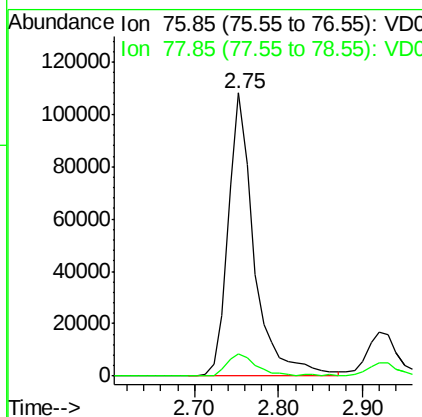
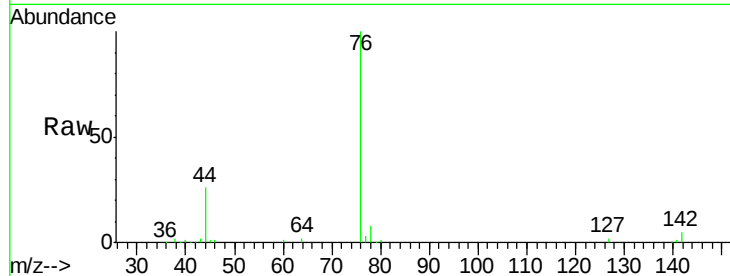




#17
Carbon Disulfide
Concen: 22.161 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

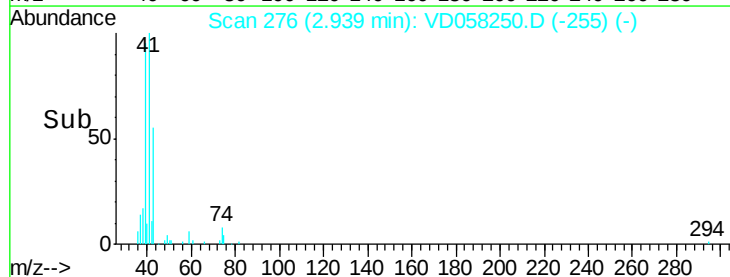
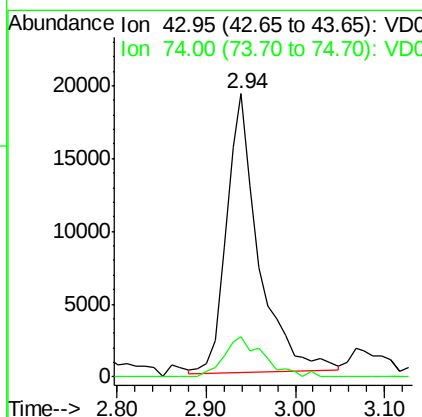
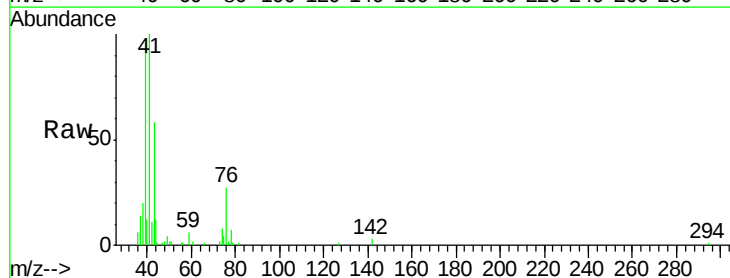
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

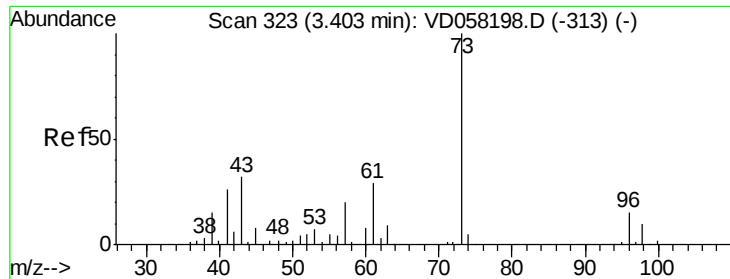
Tot Ion: 76 Resp: 232074
Ion Ratio Lower Upper
76 100
78 7.8 6.8 10.2



#18
Methyl Acetate
Concen: 18.357 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 43 Resp: 48450
Ion Ratio Lower Upper
43 100
74 14.2 11.7 17.5

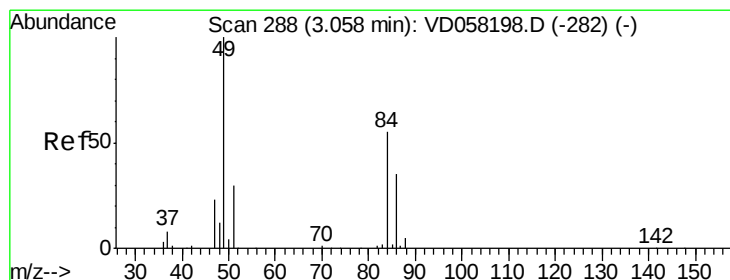
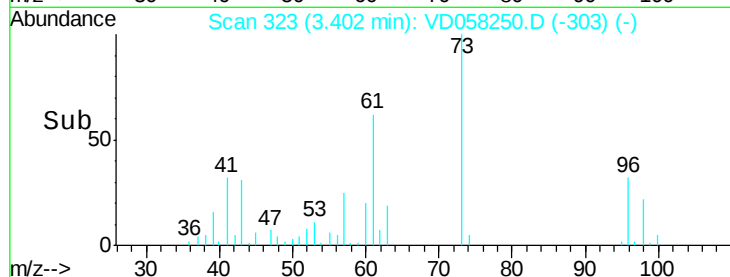
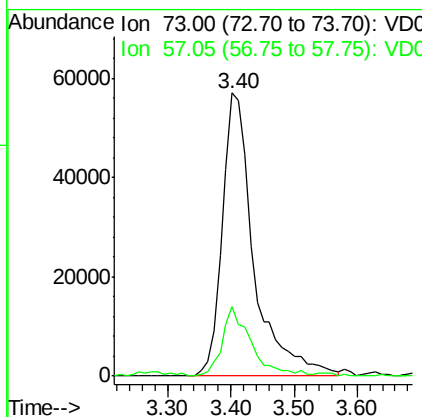
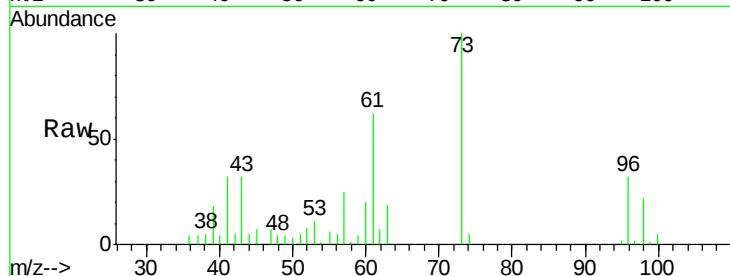




#19
Methvl tert-butvl Ether
Concen: 24.374 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

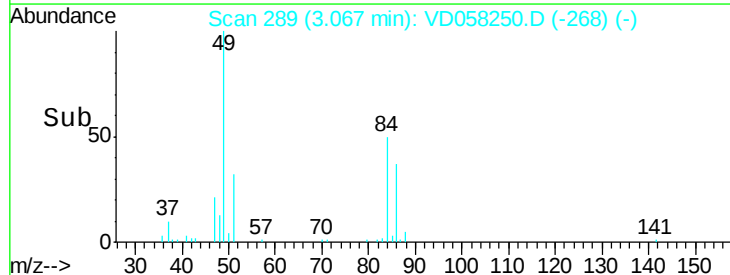
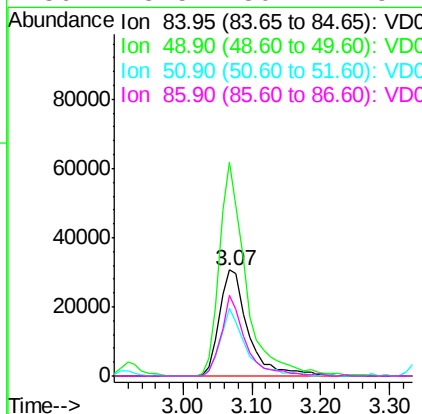
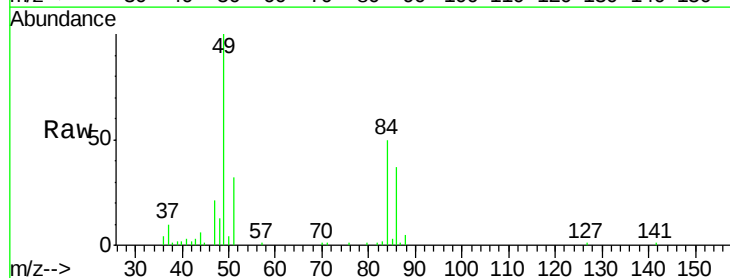
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

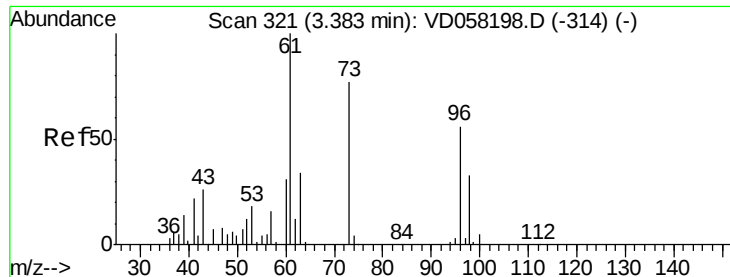
Tot Ion: 73 Resp: 198985
Ion Ratio Lower Upper
73 100
57 24.5 16.6 24.8



#20
Methylene Chloride
Concen: 25.102 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 84 Resp: 88769
Ion Ratio Lower Upper
84 100
49 201.4 145.0 217.6
51 64.0 42.9 64.3
86 75.5 50.1 75.1#





#21

trans-1,2-Dichloroethene

Concen: 22.612 ug/l

RT: 3.38 min Scan# 321

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

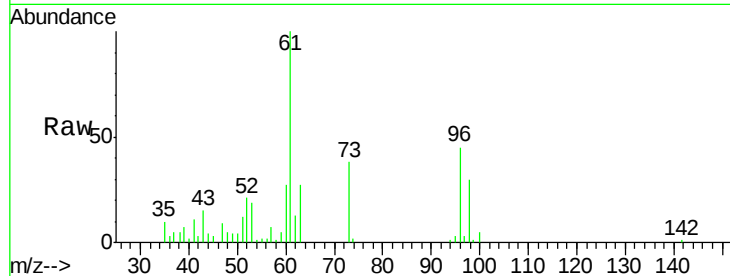
Tot Ion: 96 Resp: 76065

Ion Ratio Lower Upper

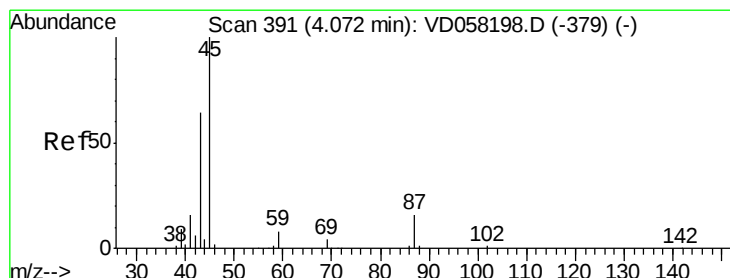
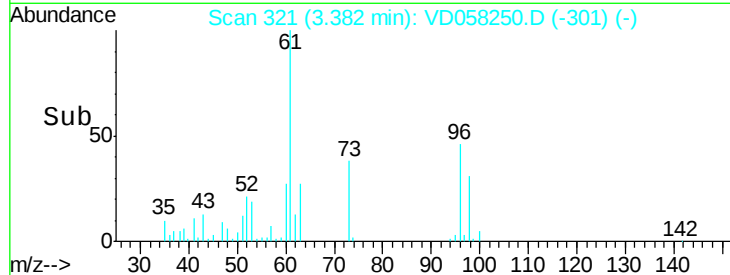
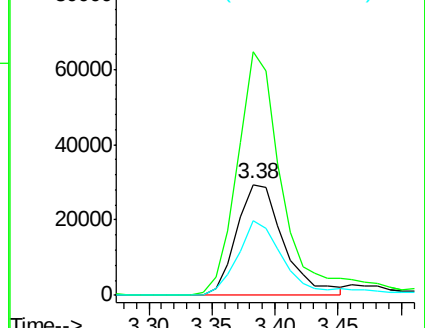
96 100

61 220.4 143.8 215.6#

98 67.1 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: 23.016 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Tgt Ion: 45 Resp: 654868

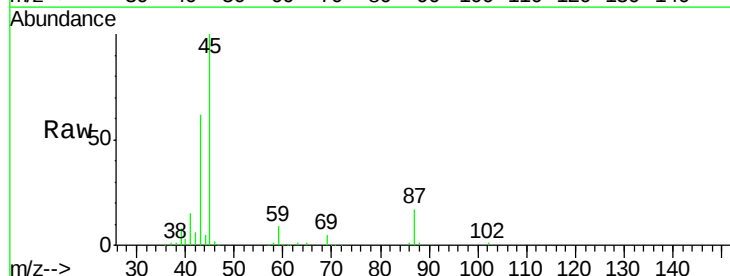
Ion Ratio Lower Upper

45 100

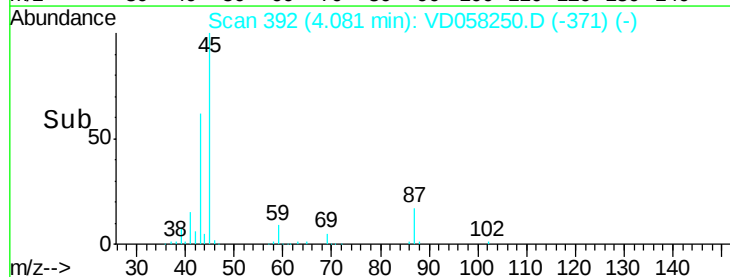
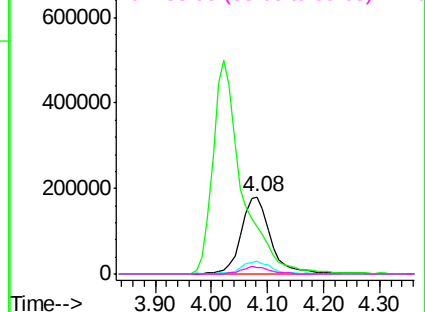
43 62.3 51.4 77.0

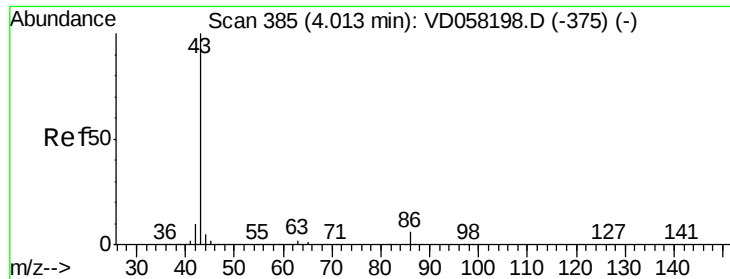
87 16.9 13.0 19.4

59 8.8 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: 118.072 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

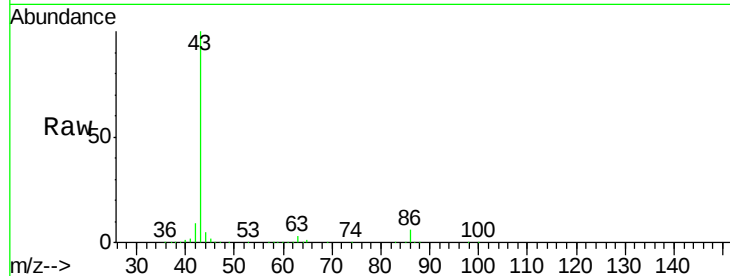
VD0621SBS01

Tot Ion: 43 Resp: 1800896

Ion Ratio Lower Upper

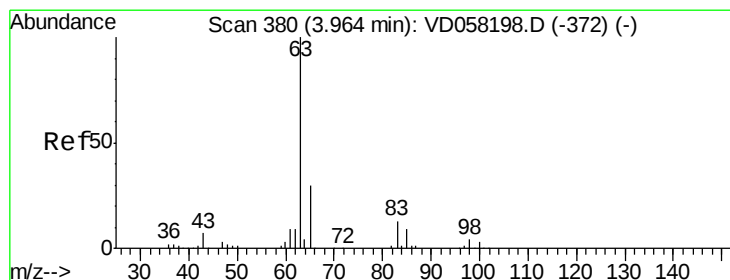
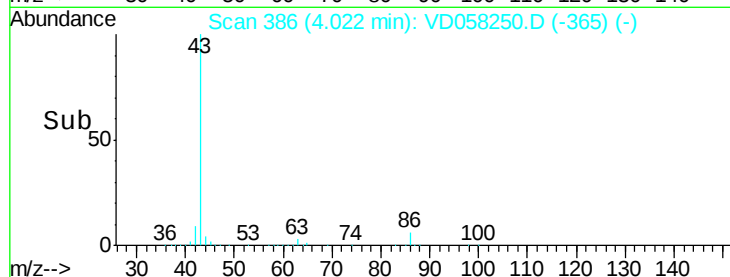
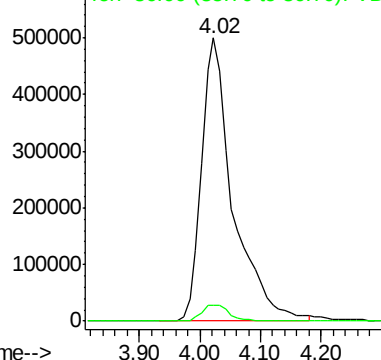
43 100

86 5.6 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: 24.307 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

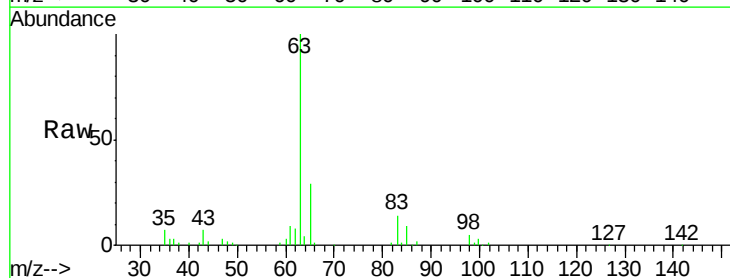
Tgt Ion: 63 Resp: 372594

Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

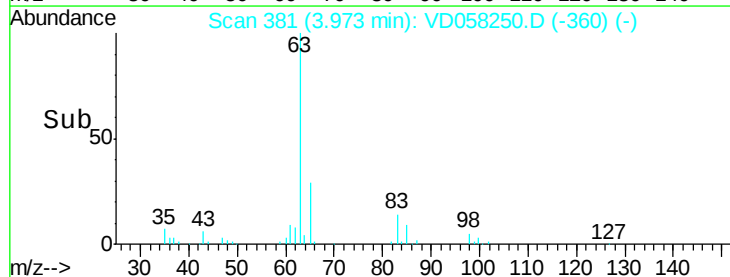
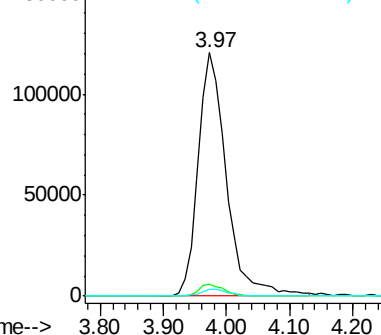
100 2.9 1.3 3.9

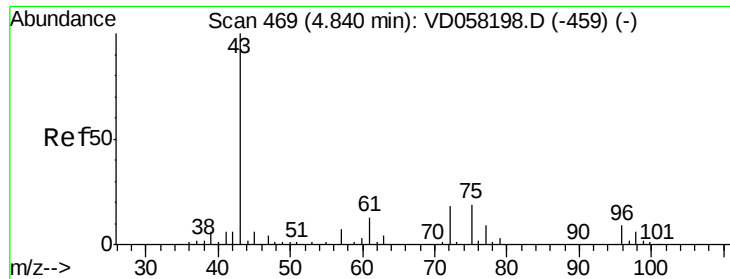


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 110.400 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

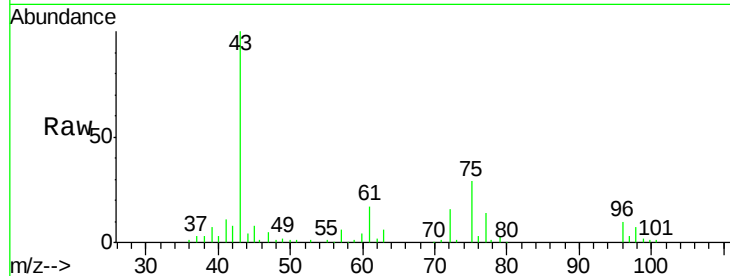
VD0621SBSD01

Tot Ion: 43 Resp: 297791

Ion Ratio Lower Upper

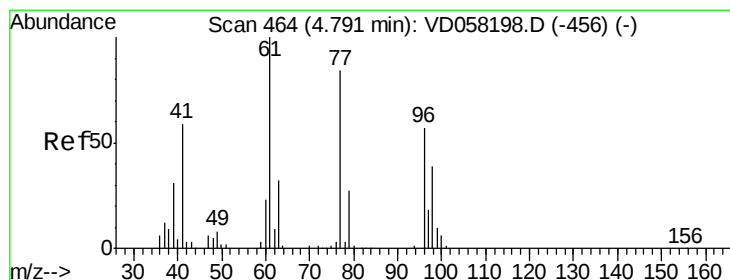
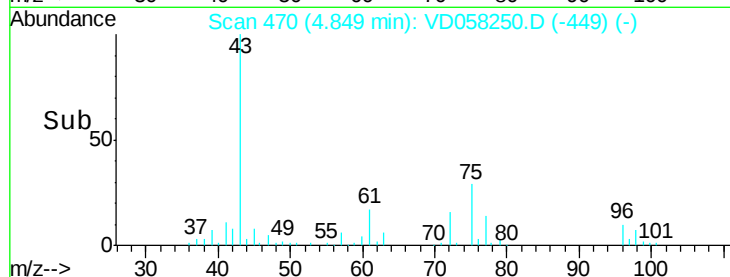
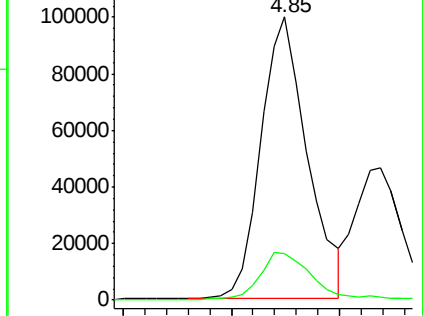
43 100

72 16.4 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: 24.581 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058250.D

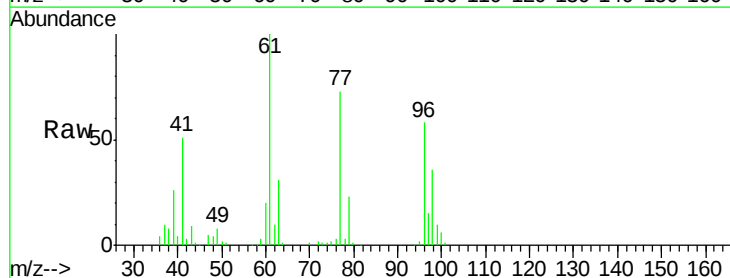
Acq: 21 Jun 2018 14:09

Tgt Ion: 77 Resp: 315507

Ion Ratio Lower Upper

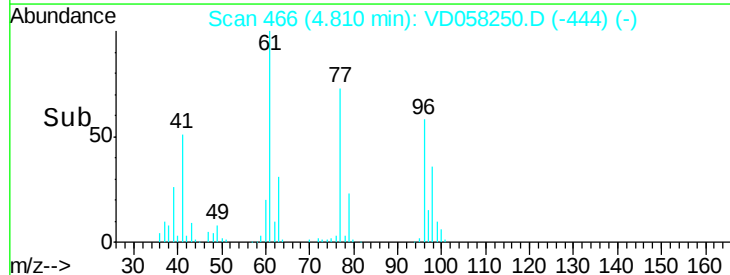
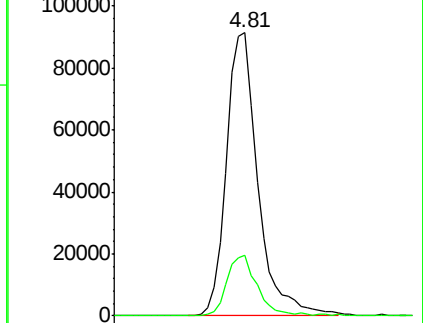
77 100

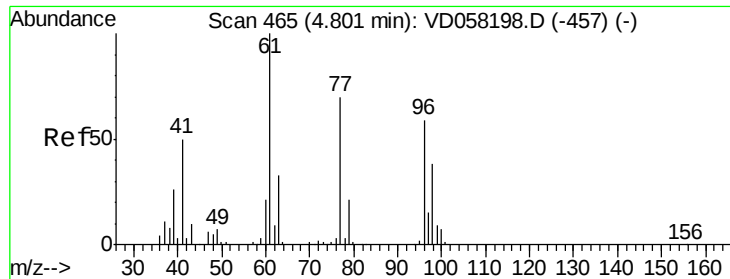
97 21.2 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



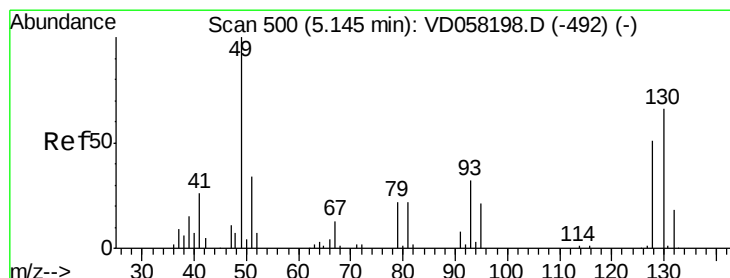
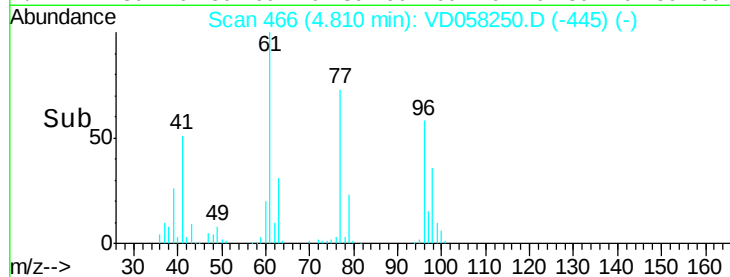
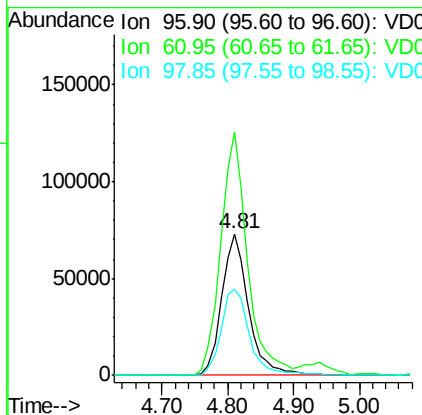
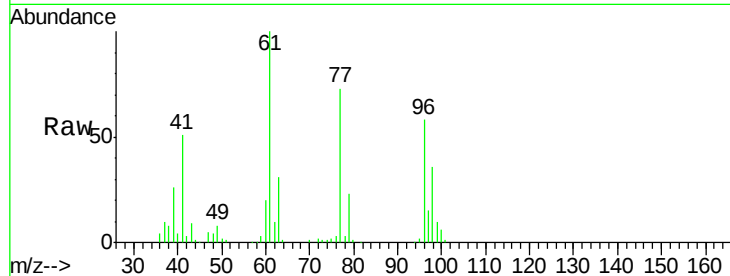


#27

cis-1,2-Dichloroethene
Concen: 24.672 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

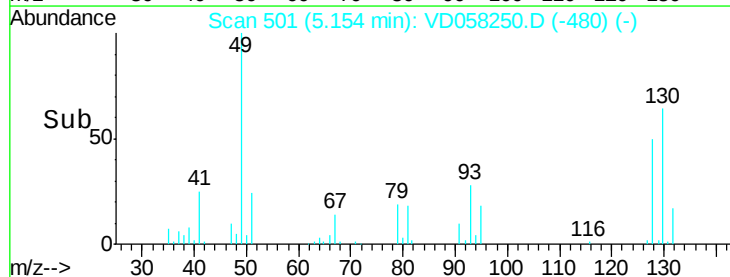
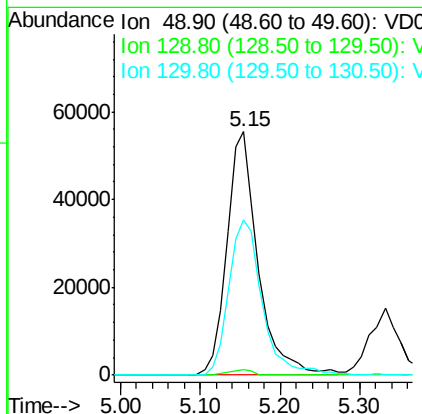
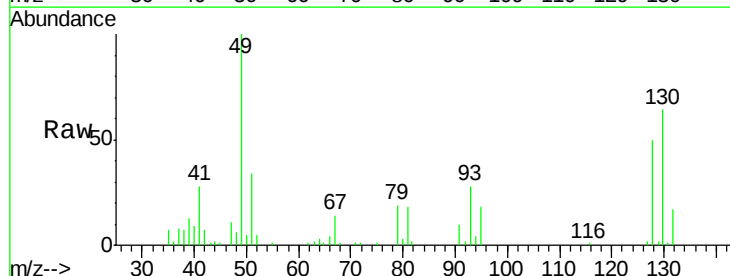
Tot Ion: 96 Resp: 207402
Ion Ratio Lower Upper
96 100
61 171.7 0.0 338.6
98 61.1 0.0 130.2



#28

Bromochloromethane
Concen: 22.045 ug/l
RT: 5.15 min Scan# 501
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 49 Resp: 151485
Ion Ratio Lower Upper
49 100
129 2.3 0.0 0.0#
130 63.7 52.6 79.0

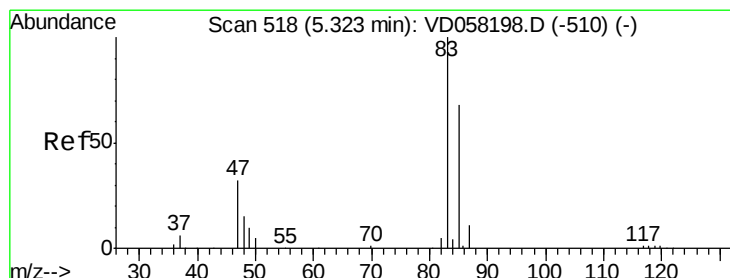
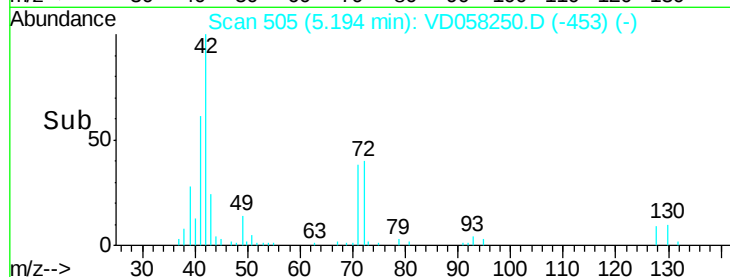
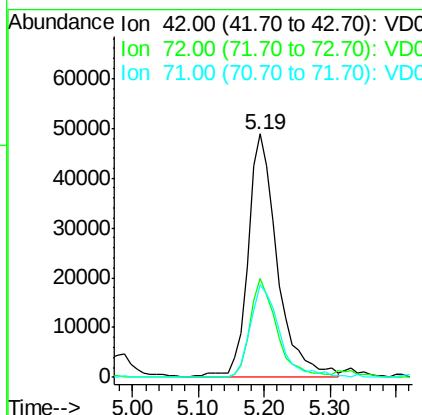
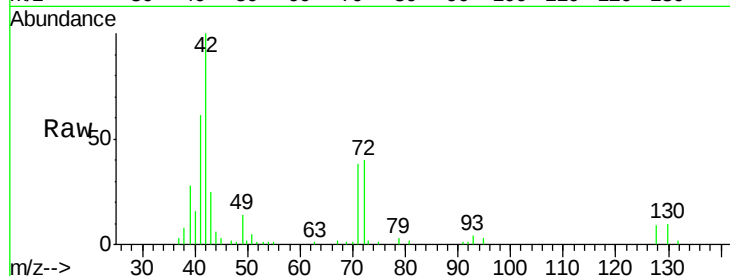




#29
Tetrahydrofuran
Concen: 106.319 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

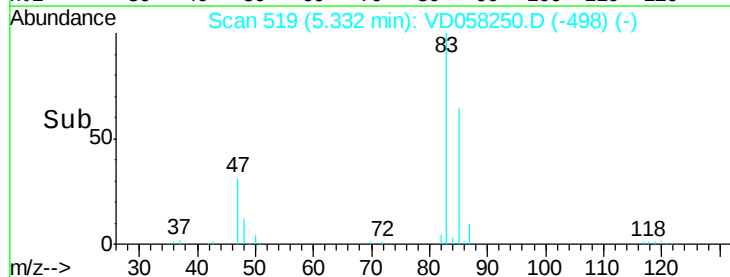
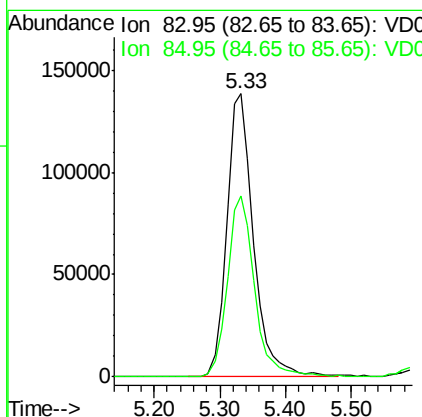
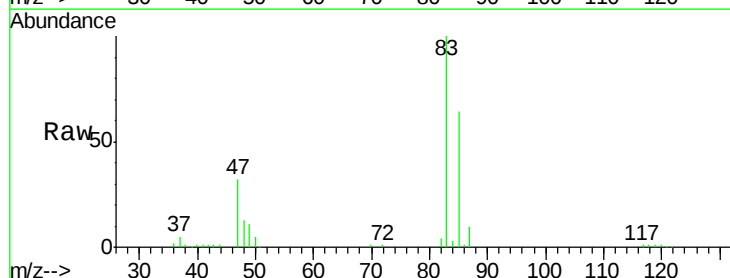
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

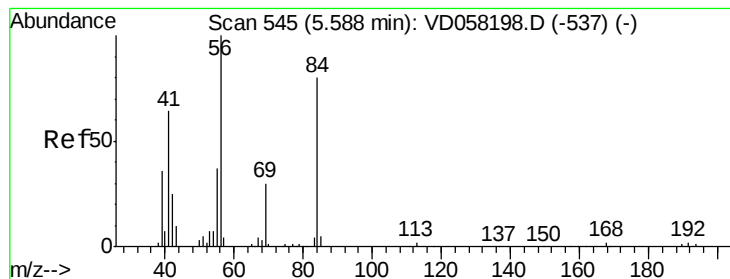
Tot Ion: 42 Resp: 152648
Ion Ratio Lower Upper
42 100
72 36.8 30.2 45.2
71 38.1 30.1 45.1



#30
Chloroform
Concen: 24.258 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 83 Resp: 392571
Ion Ratio Lower Upper
83 100
85 63.9 54.8 82.2





#31

Cyclohexane

Concen: 23.792 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

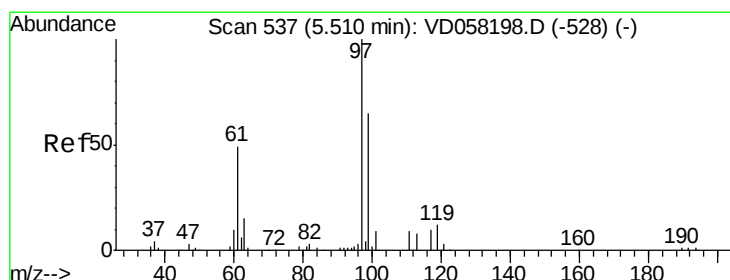
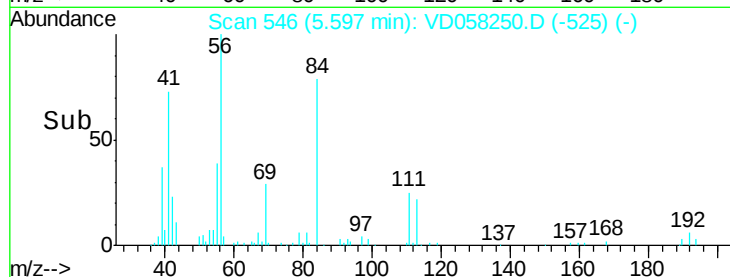
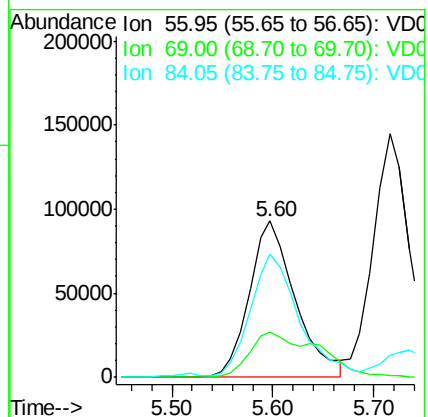
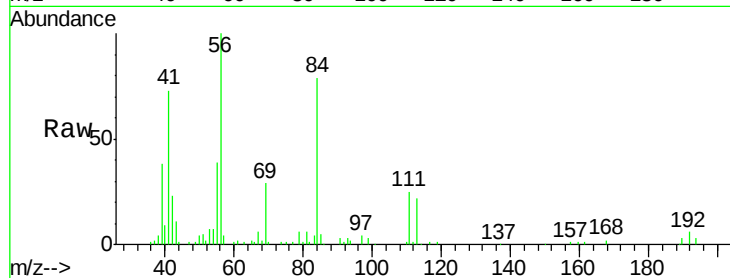
Tot Ion: 56 Resp: 295280

Ion Ratio Lower Upper

56 100

69 28.7 23.6 35.4

84 79.0 65.2 97.8



#32

1,1,1-Trichloroethane

Concen: 23.601 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

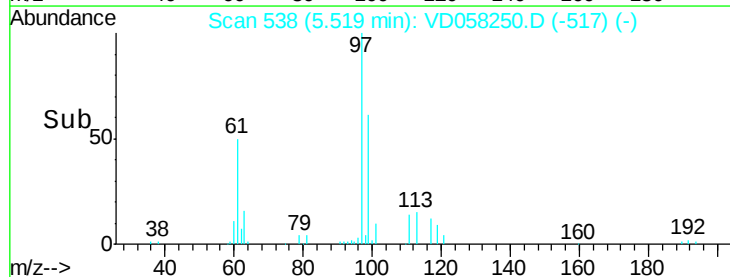
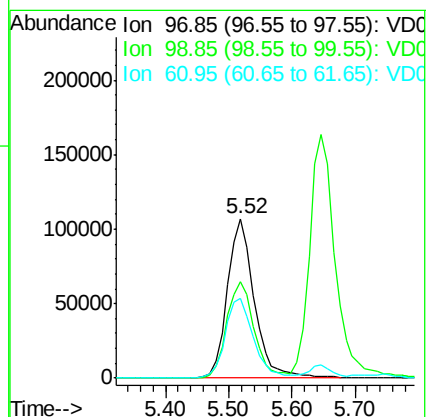
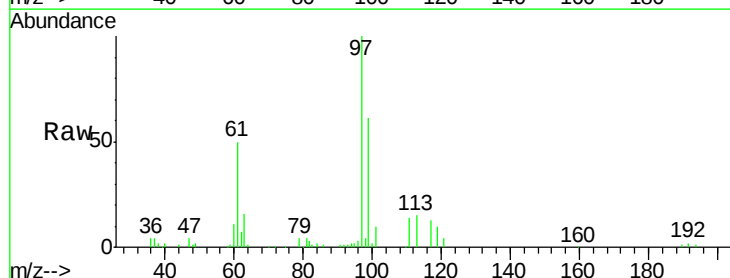
Tgt Ion: 97 Resp: 315558

Ion Ratio Lower Upper

97 100

99 60.7 52.2 78.4

61 49.6 39.0 58.4

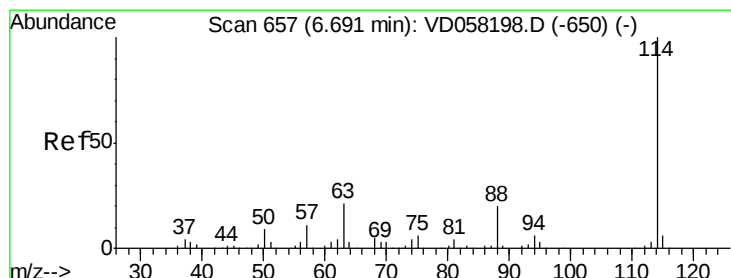
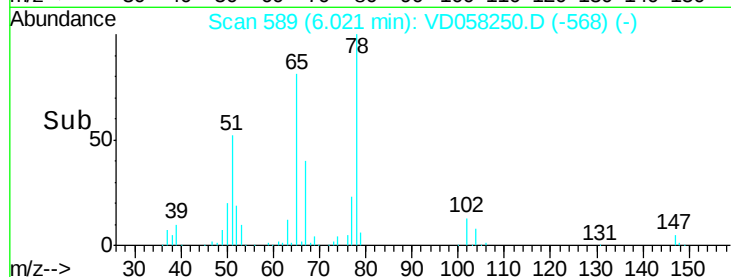
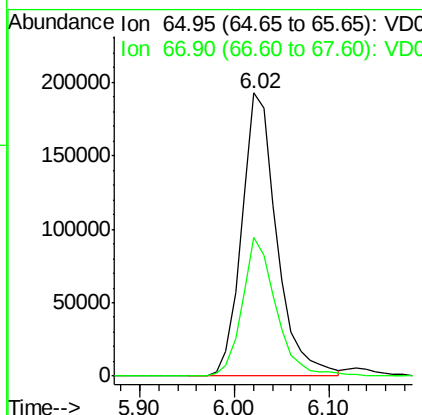
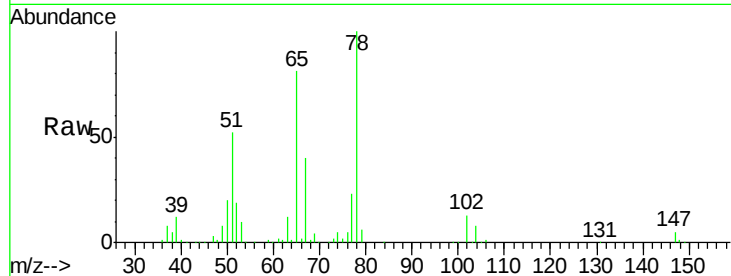




#33
 1,2-Dichloroethane-d4
 Concen: 23.601 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

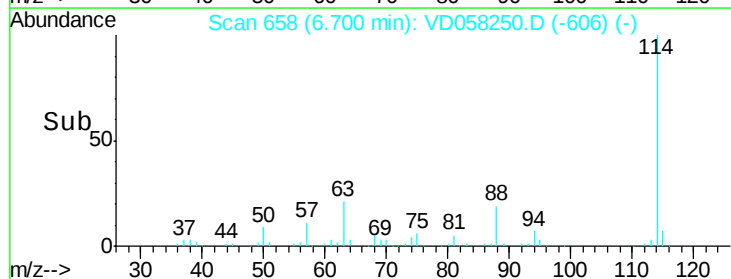
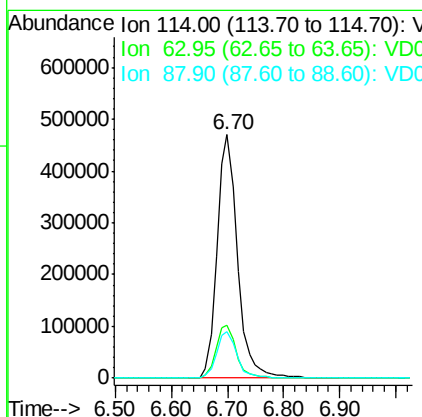
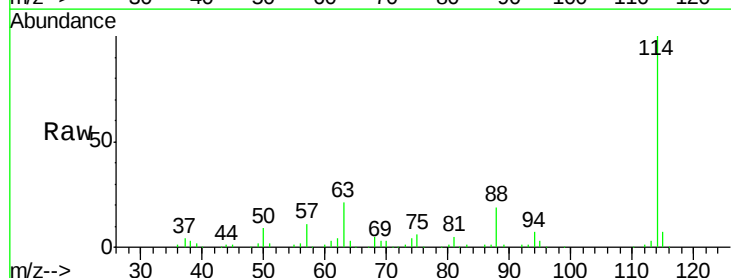
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

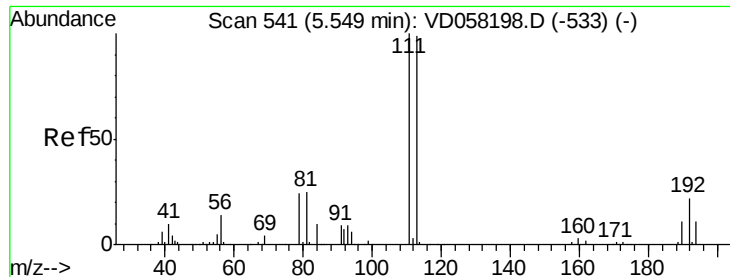
Tot Ion: 65 Resp: 493672
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion: 114 Resp: 1194623
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.6
 88 19.0 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

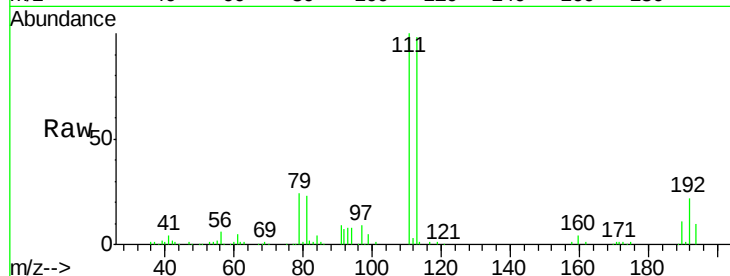
Tot Ion:113 Resp: 503256

Ion Ratio Lower Upper

113 100

111 102.3 80.6 121.0

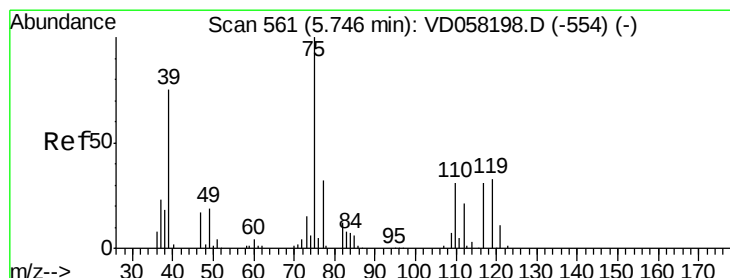
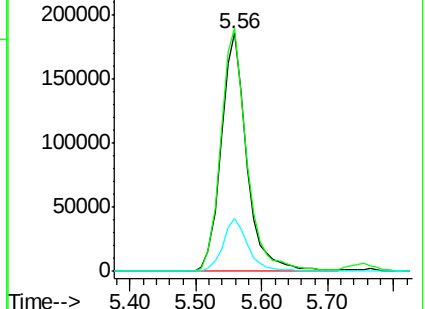
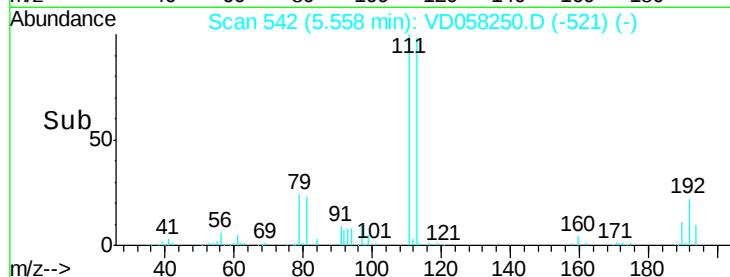
192 22.3 17.8 26.6



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: 23.410 ug/l

RT: 5.75 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

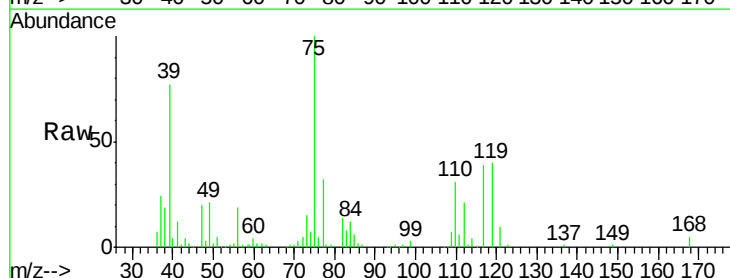
Tgt Ion: 75 Resp: 276655

Ion Ratio Lower Upper

75 100

110 30.6 15.4 46.4

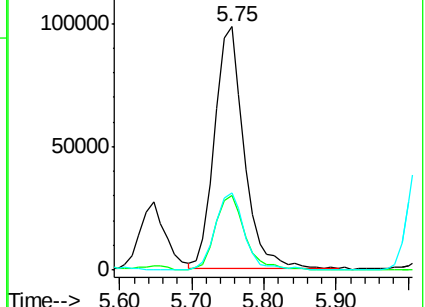
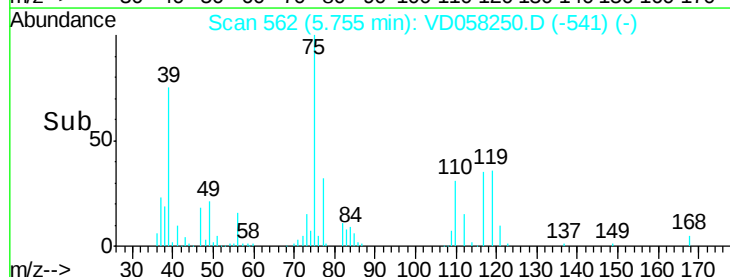
77 31.8 25.4 38.2

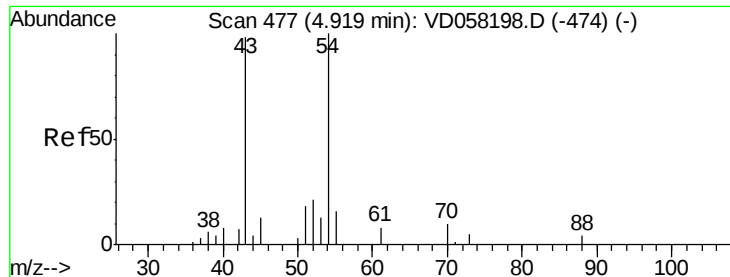


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 21.501 ug/l

RT: 4.94 min Scan# 479

Delta R.T. 0.02 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleID :

VD0621SBS01

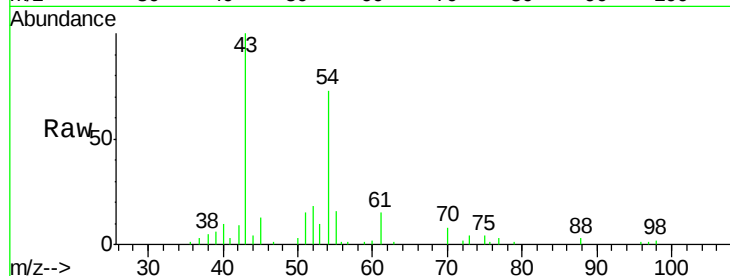
Tot Ion: 43 Resp: 144777

Ion Ratio Lower Upper

43 100

61 14.7 10.3 15.5

70 8.3 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

150000

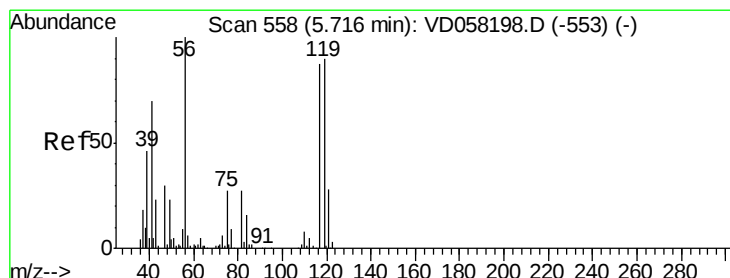
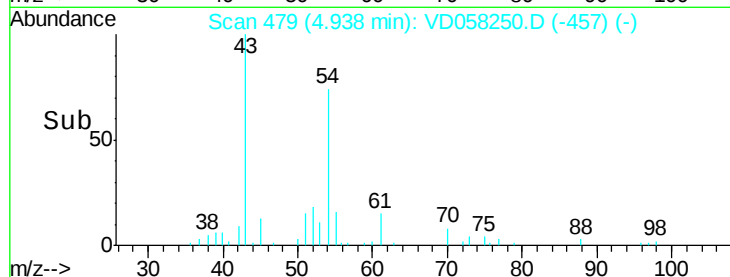
100000

50000

0

4.90 4.94 5.00 5.10

Time-->



#38

Carbon Tetrachloride

Concen: 22.596 ug/l

RT: 5.74 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

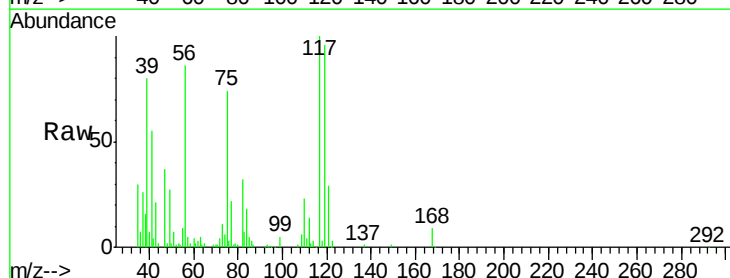
Tgt Ion: 117 Resp: 265336

Ion Ratio Lower Upper

117 100

119 95.8 78.8 118.2

121 29.5 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

120000

100000

80000

60000

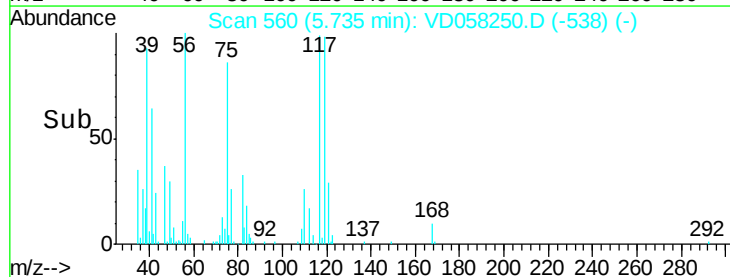
40000

20000

0

5.60 5.70 5.74 5.80 5.90

Time-->





#39

Methvlcvclohexane

Concen: 23.561 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

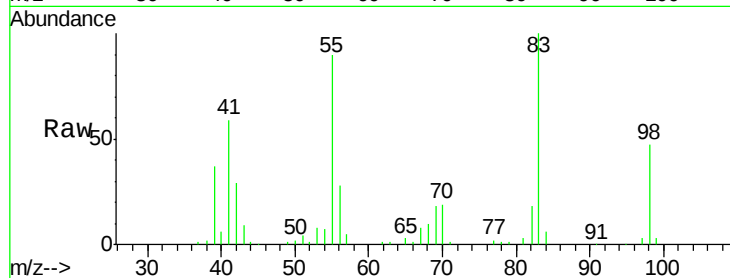
Tot Ion: 83 Resp: 271203

Ion Ratio Lower Upper

83 100

55 89.8 77.4 116.2

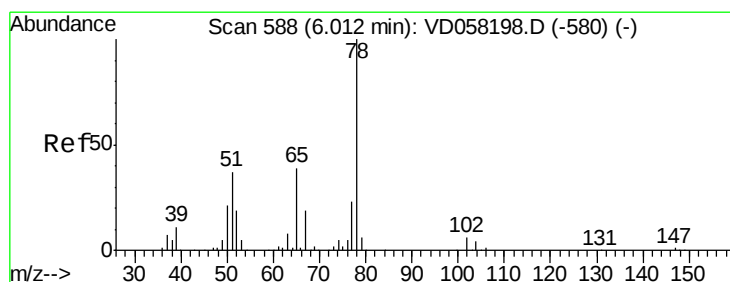
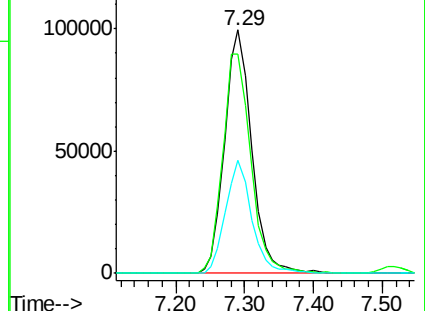
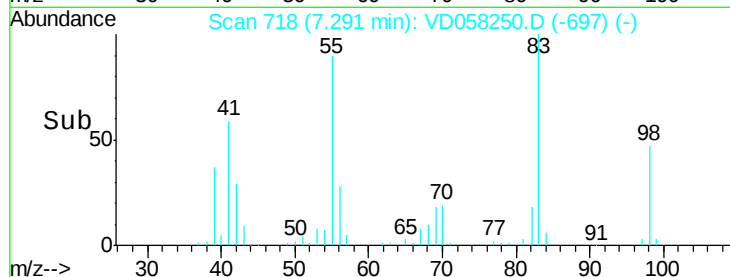
98 46.6 35.9 53.9



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: 22.967 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058250.D

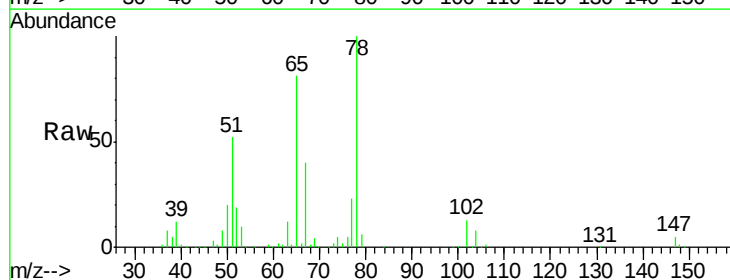
Acq: 21 Jun 2018 14:09

Tgt Ion: 78 Resp: 646567

Ion Ratio Lower Upper

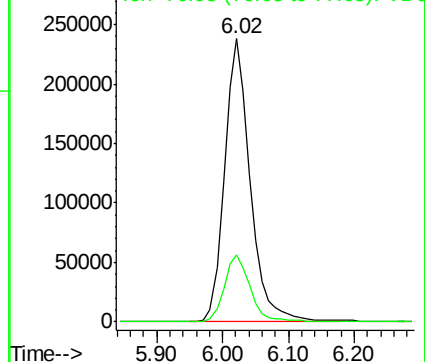
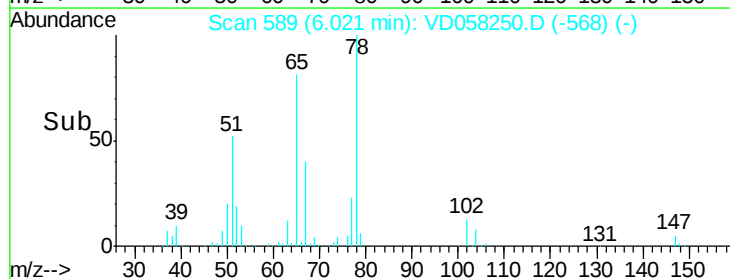
78 100

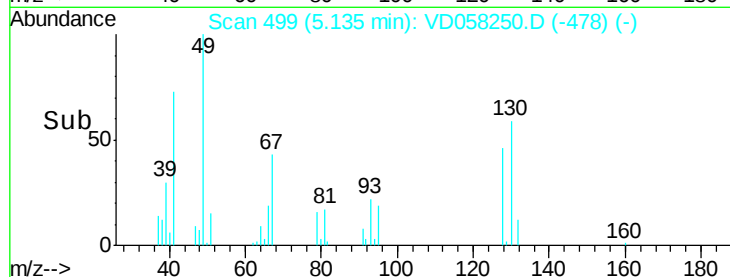
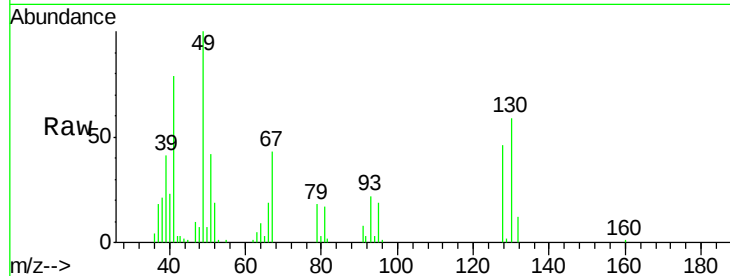
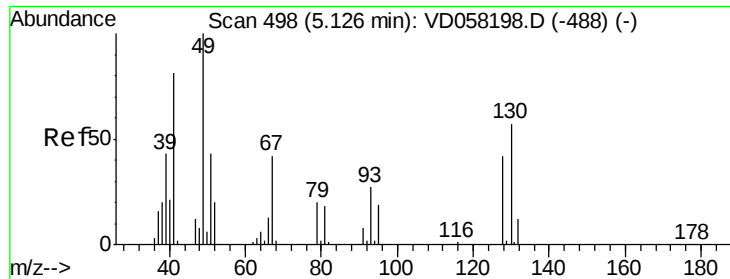
77 23.5 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

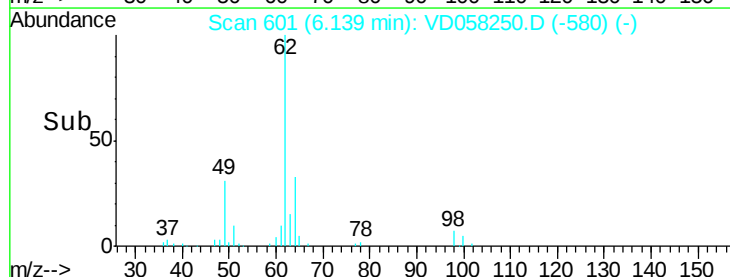
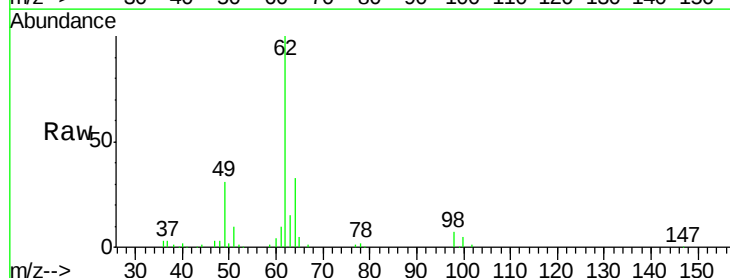
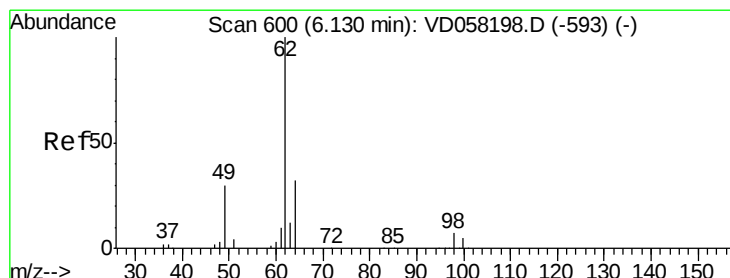
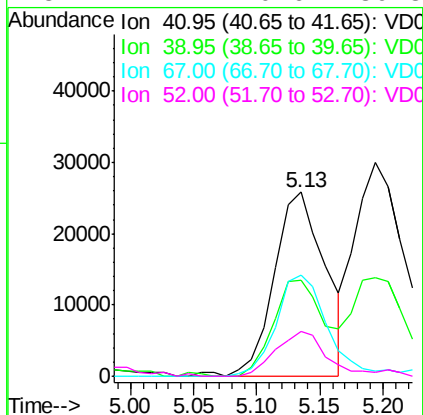




#41
Methacrylonitrile
Concen: 22.404 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

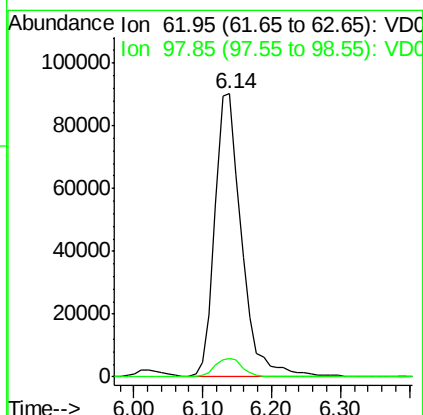
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

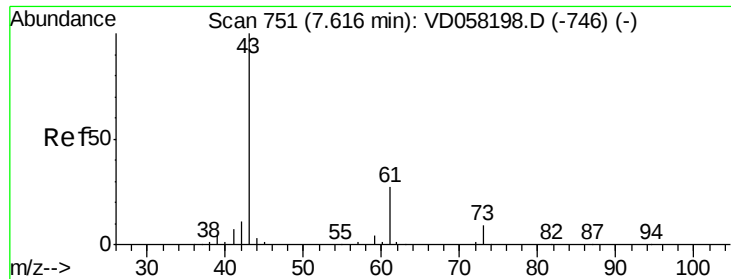
Tot Ion: 41 Resp: 72846
Ion Ratio Lower Upper
41 100
39 52.3 43.4 65.2
67 54.6 41.7 62.5
52 24.1 20.6 30.8



#42
1,2-Dichloroethane
Concen: 21.455 ug/l
RT: 6.14 min Scan# 601
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 62 Resp: 243543
Ion Ratio Lower Upper
62 100
98 6.5 0.0 13.2





#43

Isopropyl Acetate

Concen: 19.900 ug/l

RT: 7.63 min Scan# 752

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

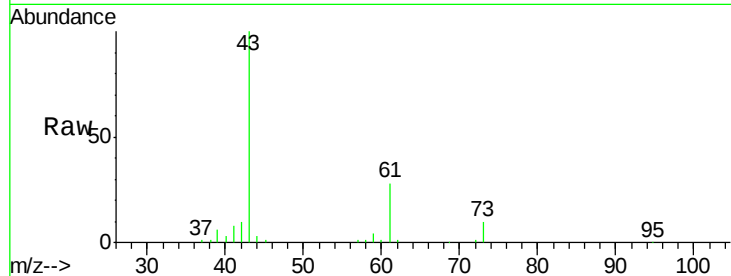
Tot Ion: 43 Resp: 178639

Ion Ratio Lower Upper

43 100

61 28.1 21.8 32.6

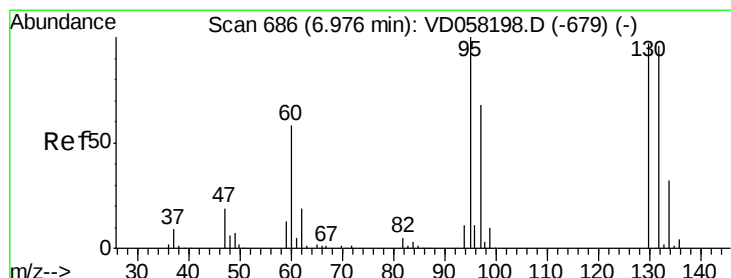
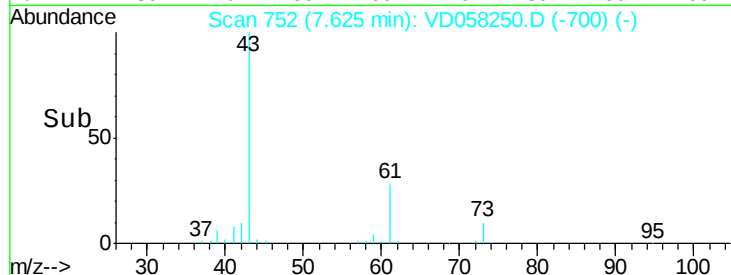
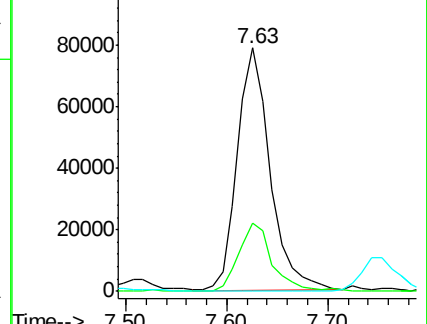
87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.878 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.02 min

Lab File: VD058250.D

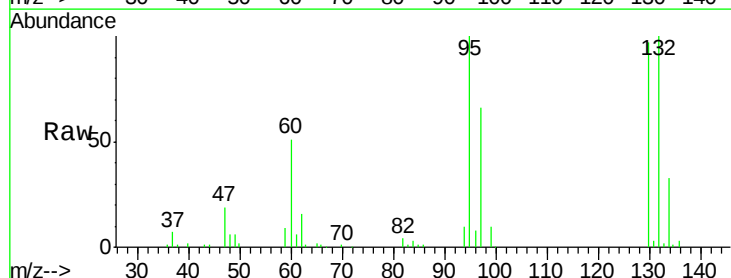
Acq: 21 Jun 2018 14:09

Tgt Ion:130 Resp: 184940

Ion Ratio Lower Upper

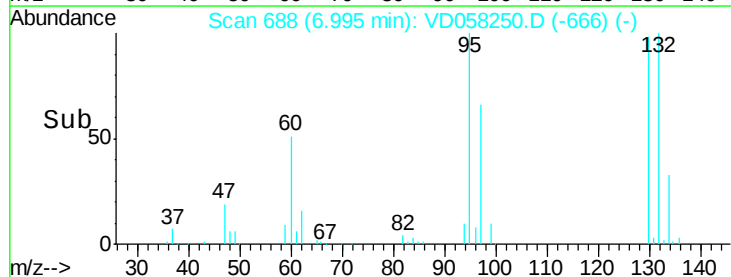
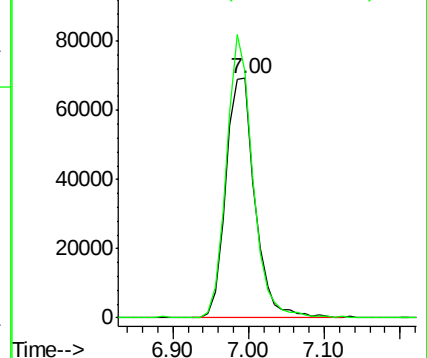
130 100

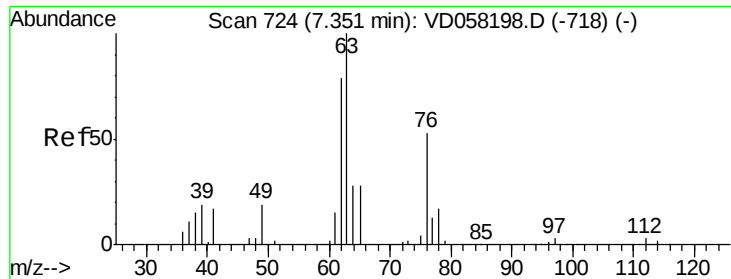
95 102.7 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 23.946 ug/l

RT: 7.36 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

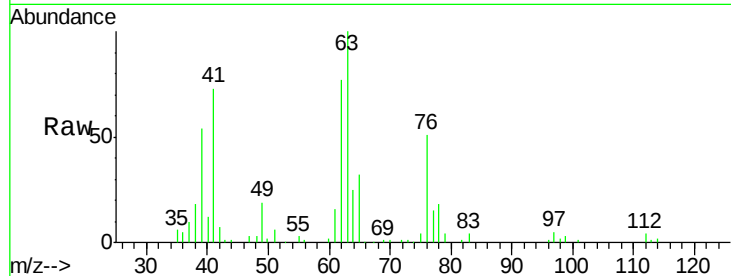
VD0621SBS01

Tot Ion: 63 Resp: 181551

Ion Ratio Lower Upper

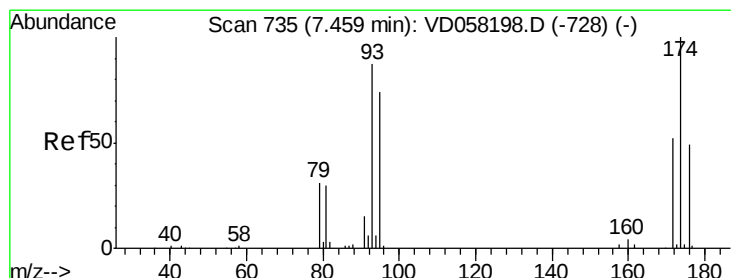
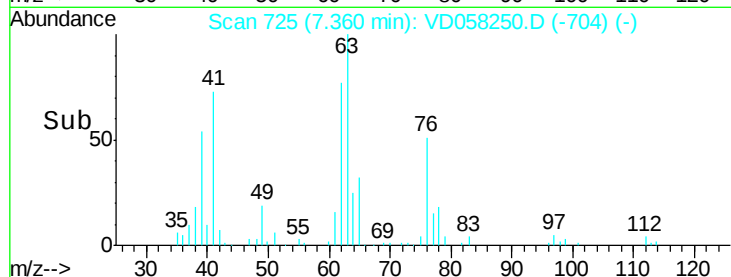
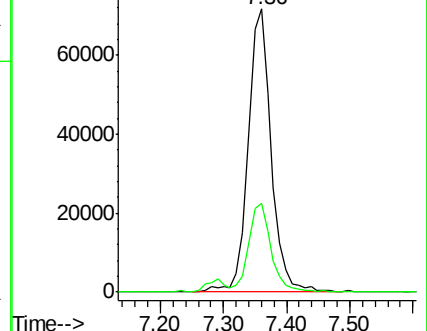
63 100

65 31.6 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: 22.534 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

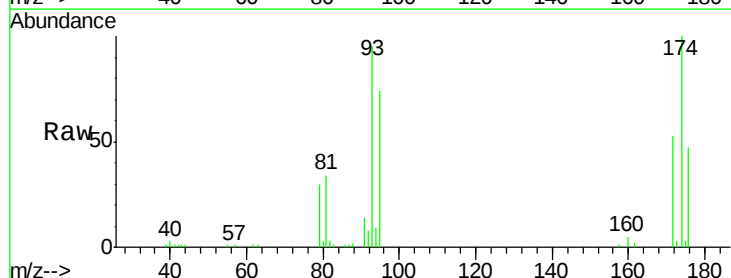
Tgt Ion: 93 Resp: 116630

Ion Ratio Lower Upper

93 100

95 78.5 67.8 101.6

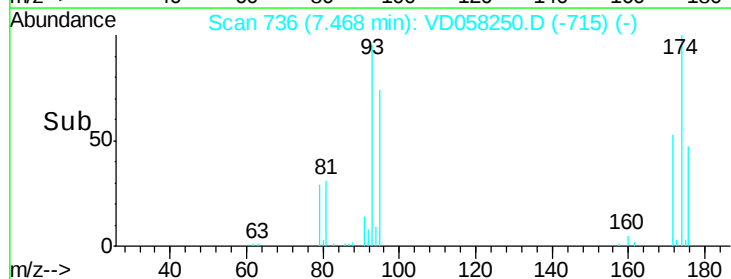
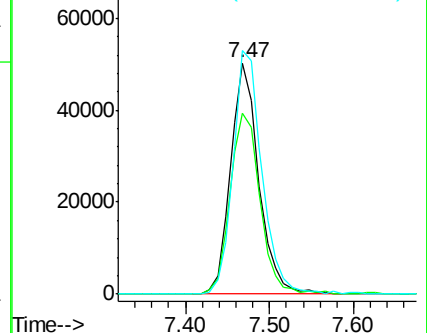
174 105.5 92.2 138.2

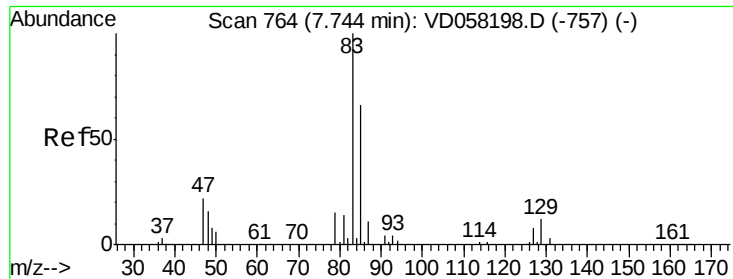


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 22.583 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

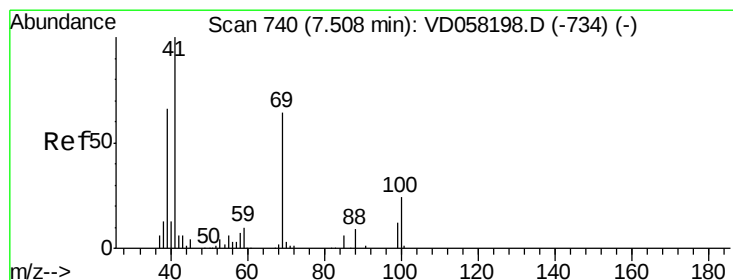
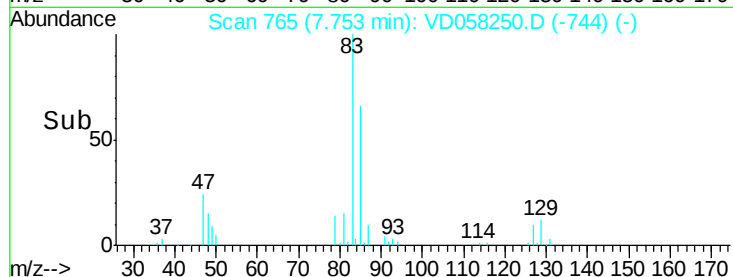
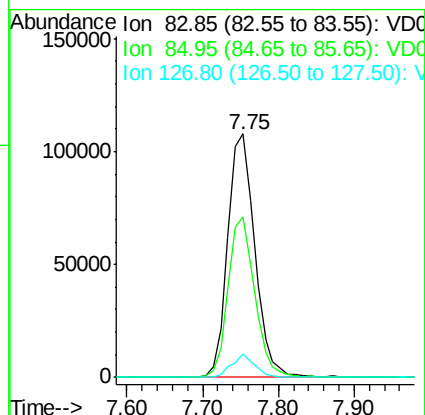
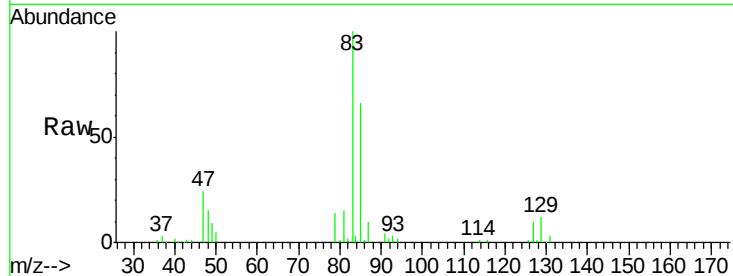
Tot Ion: 83 Resp: 266537

Ion Ratio Lower Upper

83 100

85 66.0 52.6 78.8

127 9.5 6.2 9.4#



#48

Methyl methacrylate

Concen: 20.056 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

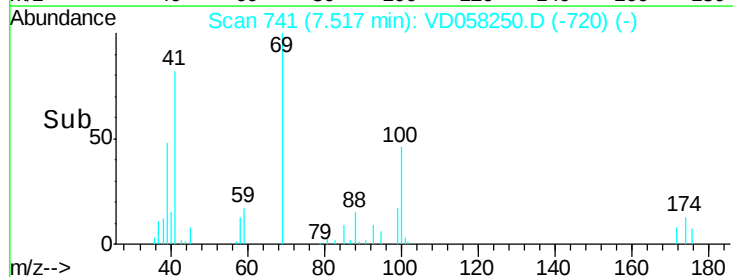
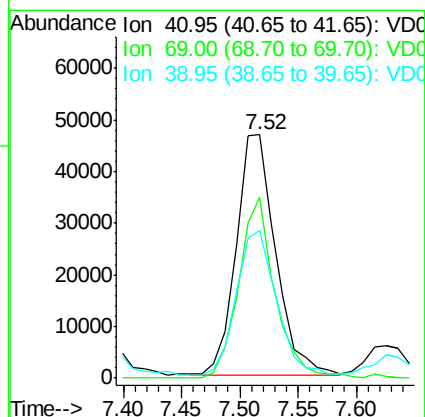
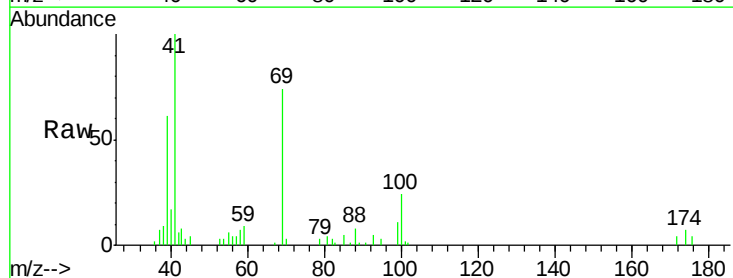
Tgt Ion: 41 Resp: 109423

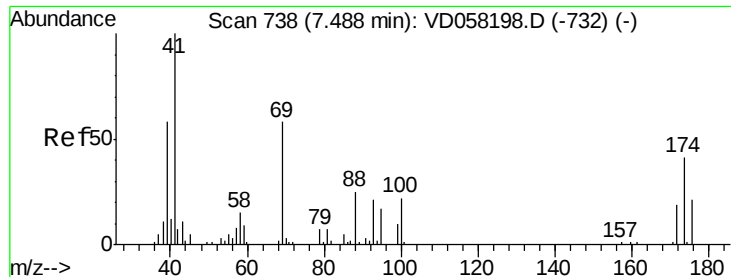
Ion Ratio Lower Upper

41 100

69 74.5 50.7 76.1

39 60.8 52.6 78.8





#49

1,4-Dioxane

Concen: 443.107 ug/l

RT: 7.49 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

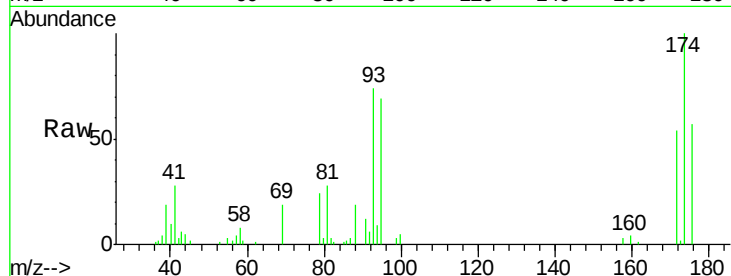
Tot Ion: 88 Resp: 21823

Ion Ratio Lower Upper

88 100

43 31.1 34.2 51.2#

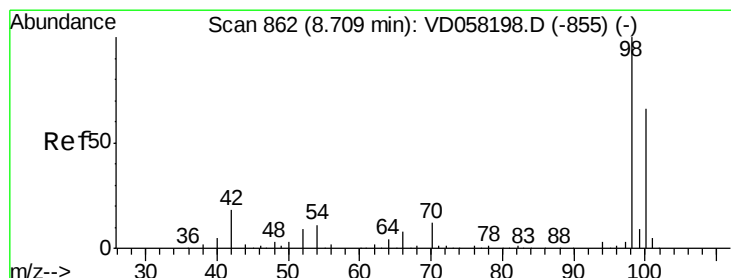
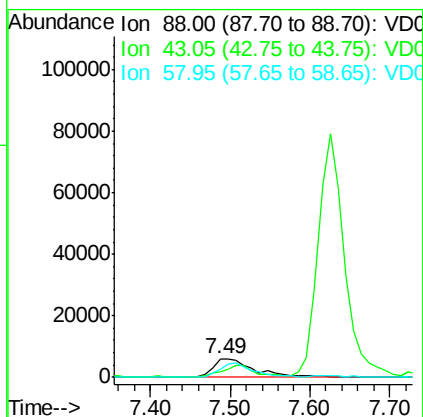
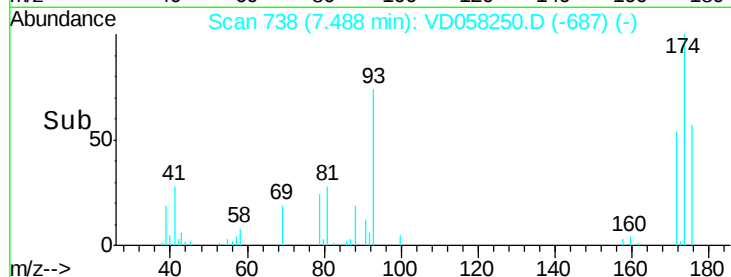
58 44.2 47.9 71.9#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 443.107 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058250.D

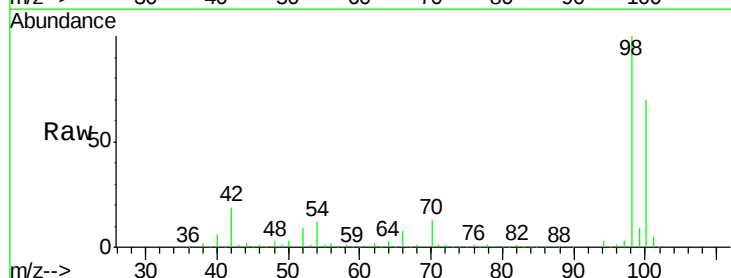
Acq: 21 Jun 2018 14:09

Tgt Ion: 98 Resp: 1199233

Ion Ratio Lower Upper

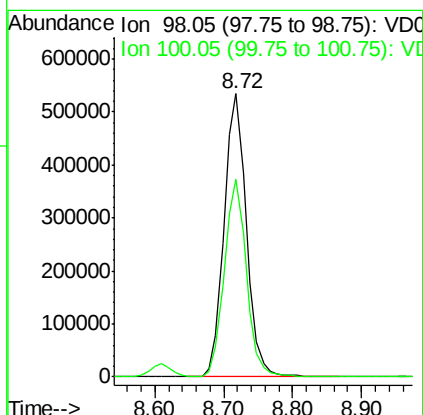
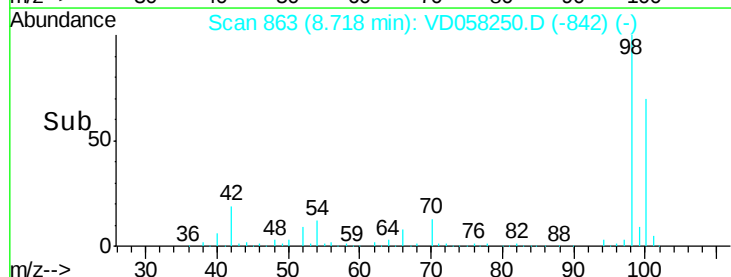
98 100

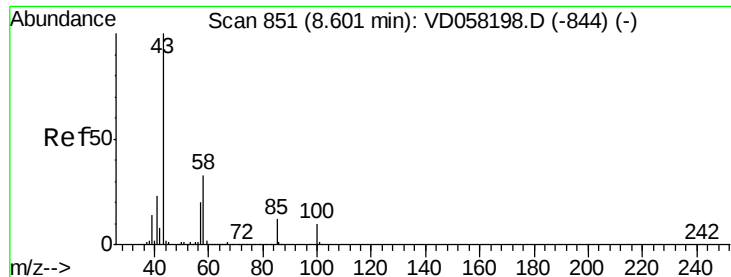
100 69.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 107.432 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

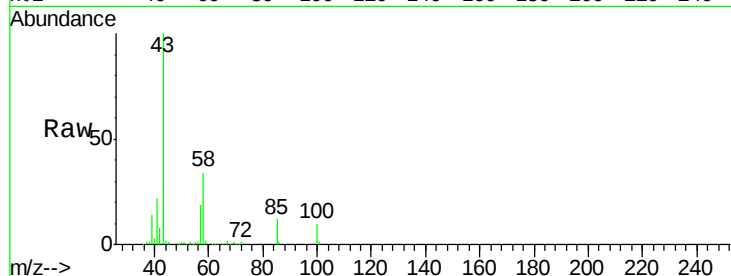
VD0621SBS01

Tot Ion: 43 Resp: 629066

Ion Ratio Lower Upper

43 100

58 34.4 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

250000

200000

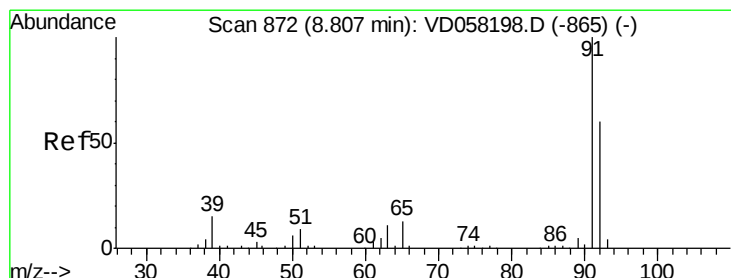
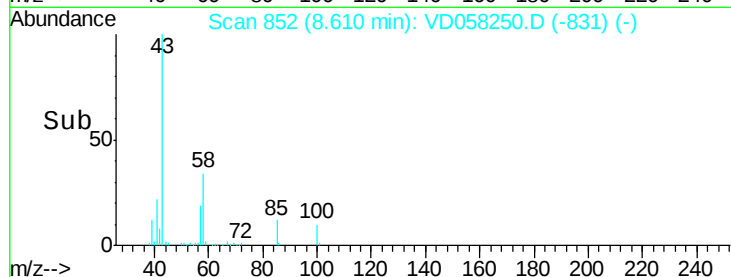
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 23.114 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058250.D

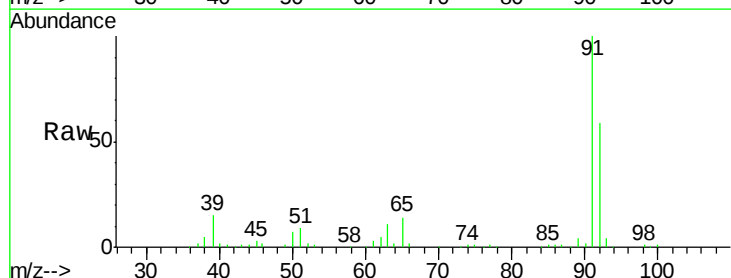
Acq: 21 Jun 2018 14:09

Tgt Ion: 92 Resp: 370519

Ion Ratio Lower Upper

92 100

91 169.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

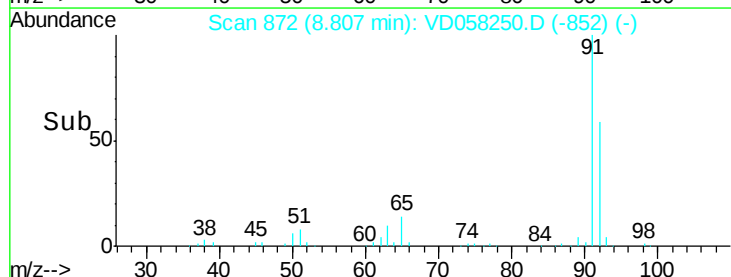
150000

100000

50000

0

Time-->

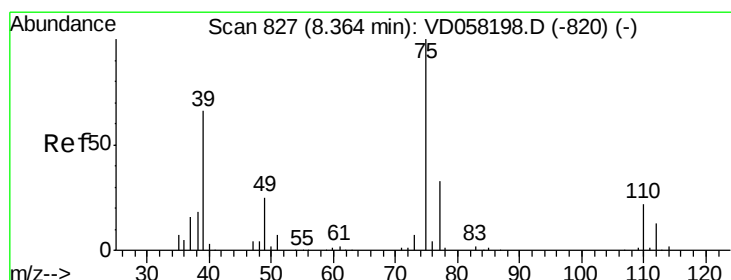
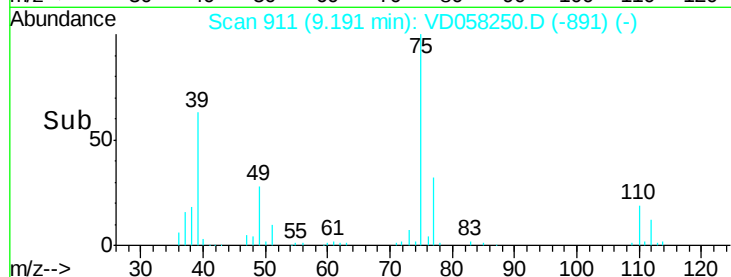
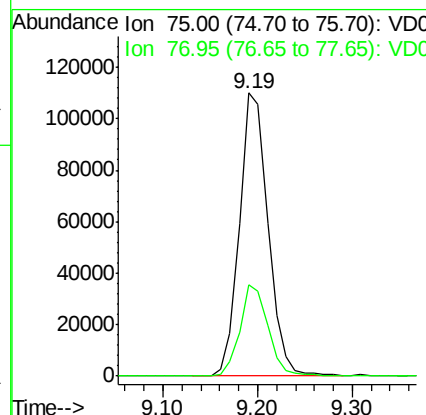
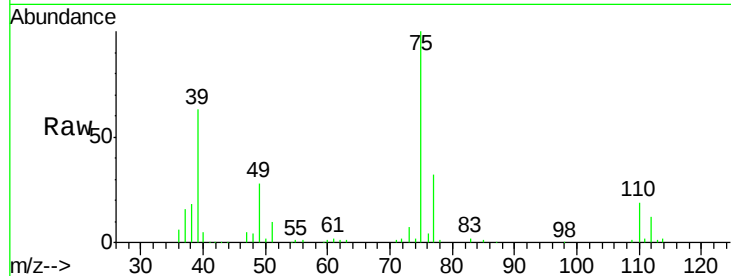




#53
 t-1,3-Dichloropropene
 Concen: 22.534 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

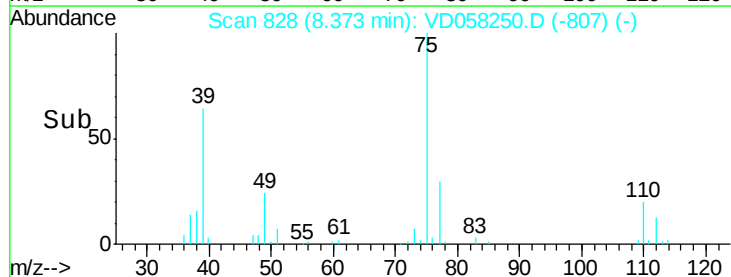
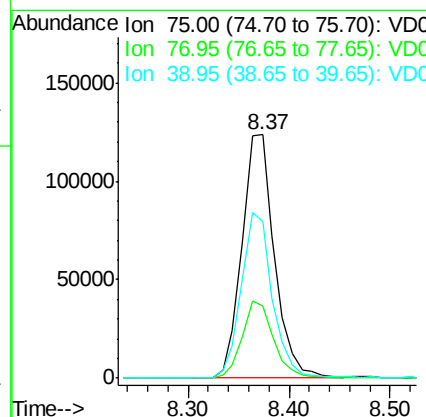
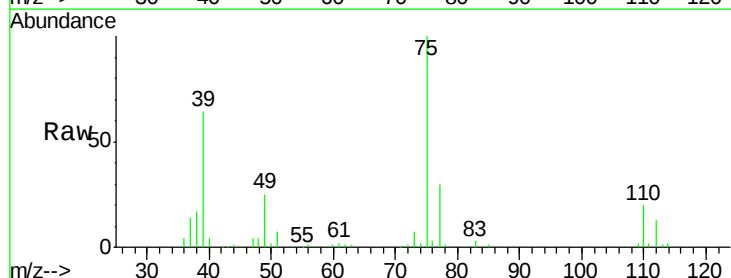
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

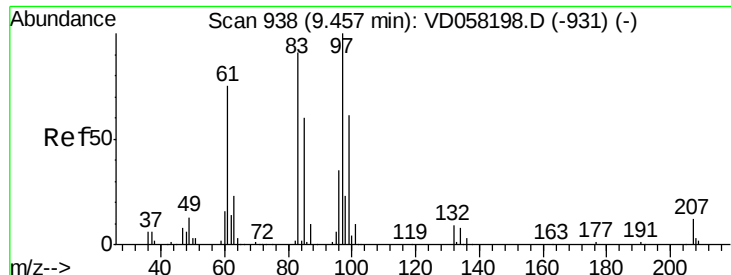
Tot Ion: 75 Resp: 231225
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.124 ug/l
 RT: 8.37 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion: 75 Resp: 278181
 Ion Ratio Lower Upper
 75 100
 77 29.6 26.5 39.7
 39 64.5 52.9 79.3

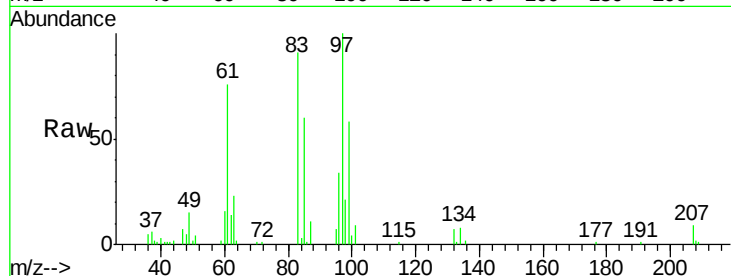




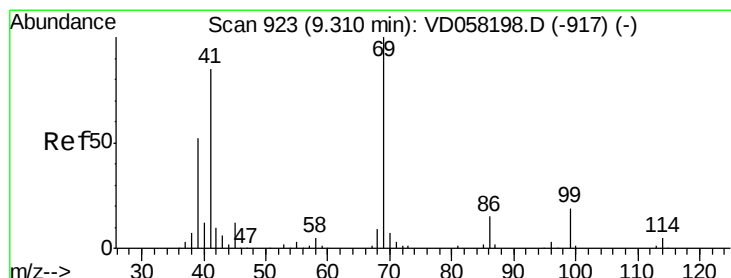
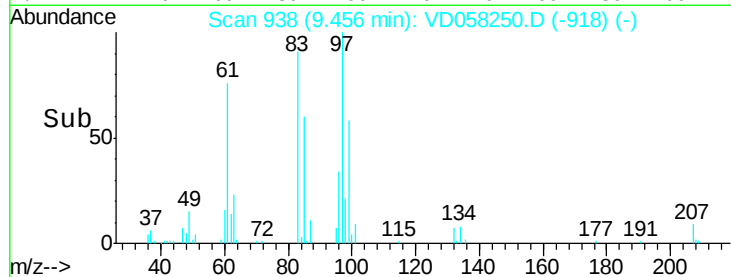
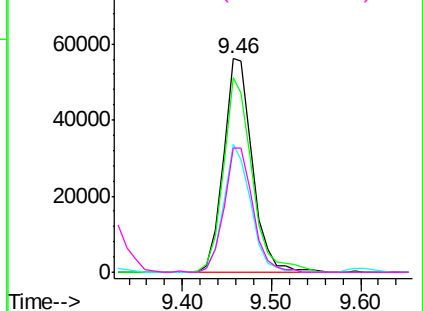
#55
 1,1,2-Trichloroethane
 Concen: 22.553 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion:	97	Resp:	127905
Ion	Ratio	Lower	Upper
97	100		
83	91.1	72.9	109.3
85	59.7	48.2	72.4
99	58.3	48.9	73.3

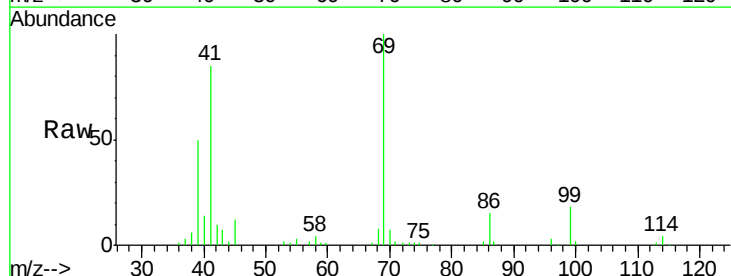


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

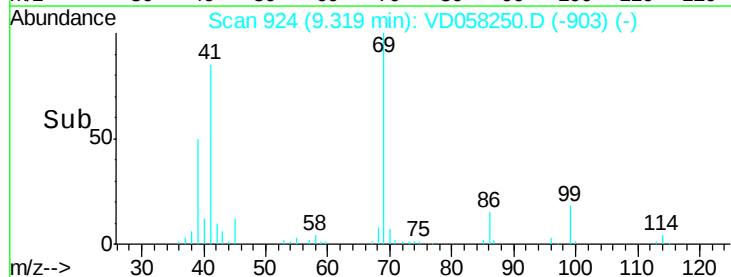
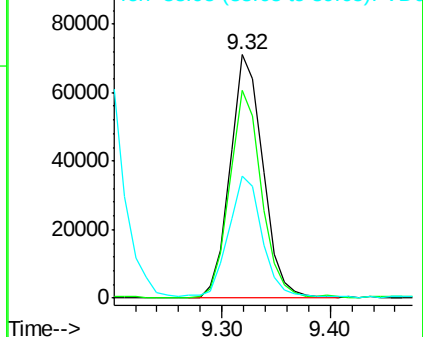


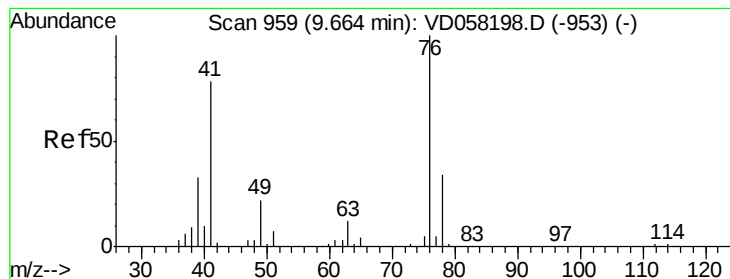
#56
 Ethyl methacrylate
 Concen: 22.122 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion:	69	Resp:	150048
Ion	Ratio	Lower	Upper
69	100		
41	85.5	67.6	101.4
39	50.2	42.2	63.2



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





#57

1,3-Dichloropropane

Concen: 20.782 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

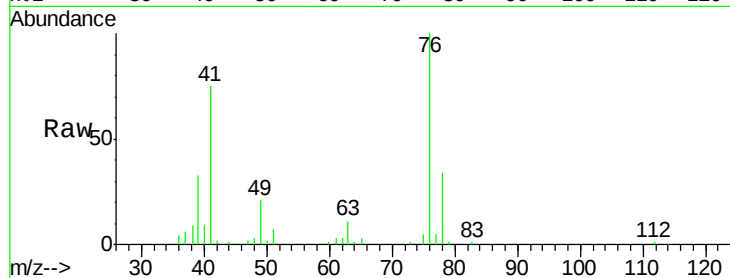
VD0621SBSD01

Tot Ion: 76 Resp: 198534

Ion Ratio Lower Upper

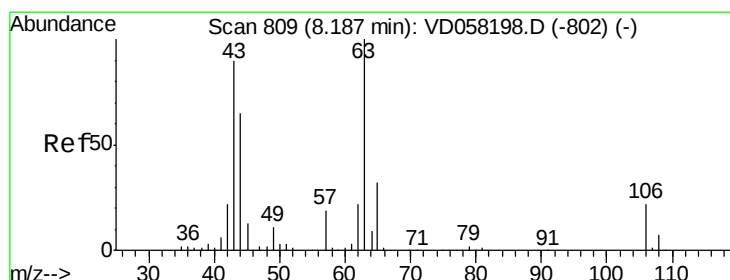
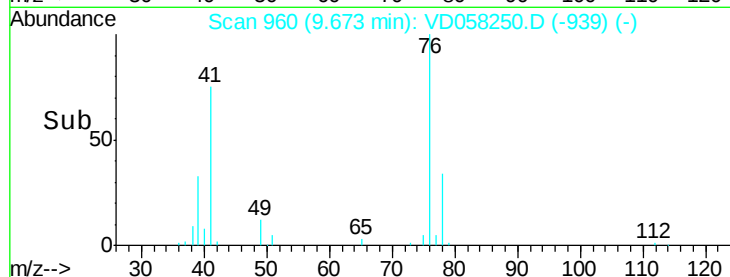
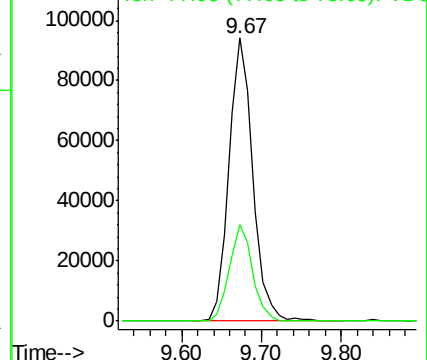
76 100

78 34.2 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: 108.491 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058250.D

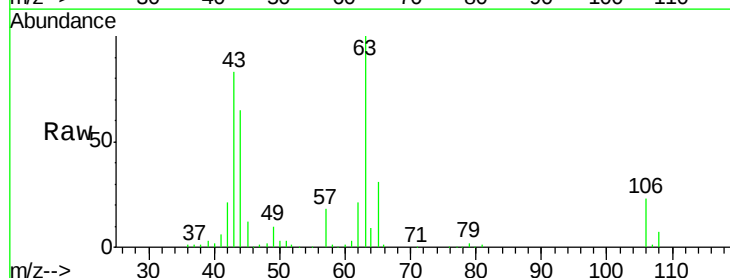
Acq: 21 Jun 2018 14:09

Tgt Ion: 63 Resp: 364287

Ion Ratio Lower Upper

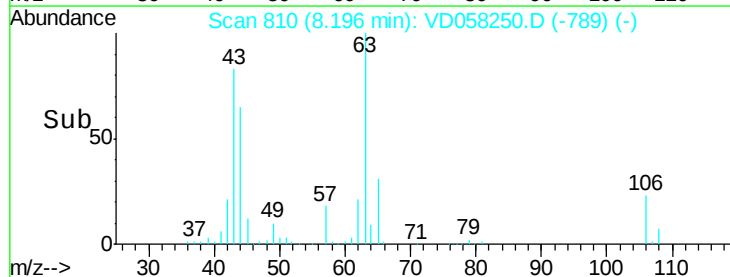
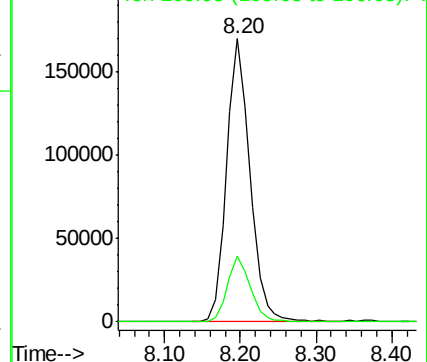
63 100

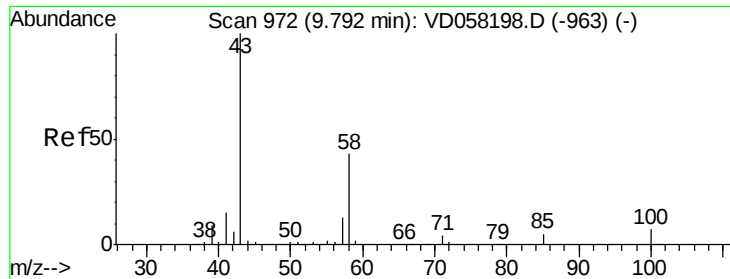
106 23.5 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

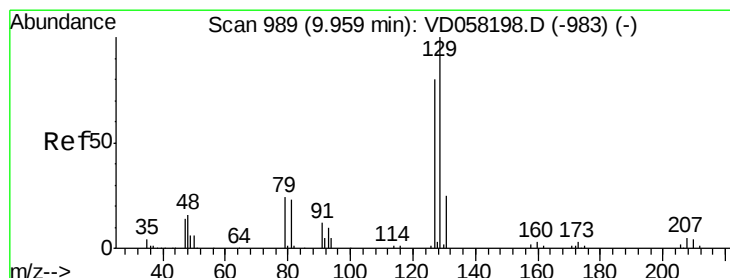
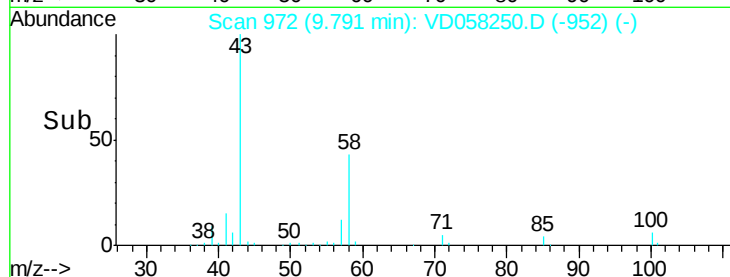
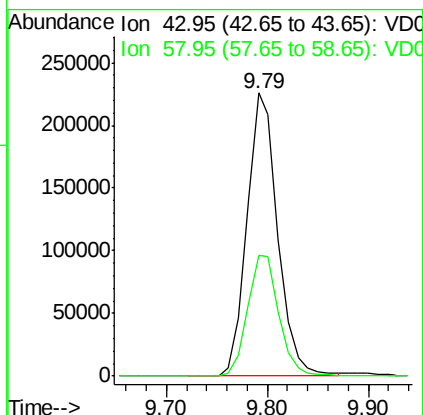
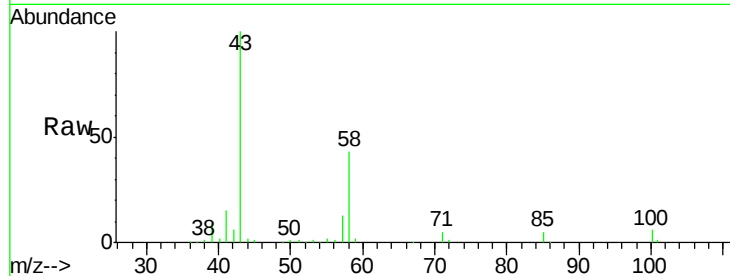




#59
2-Hexanone
Concen: 113.319 ug/l
RT: 9.79 min Scan# 972
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

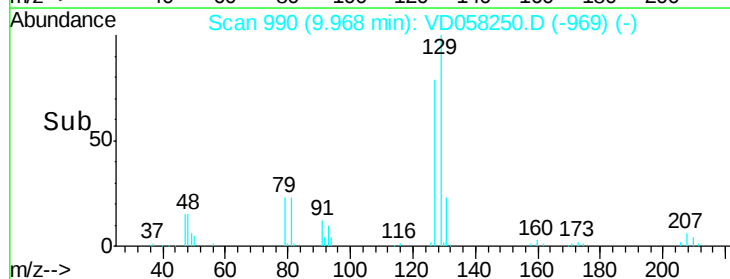
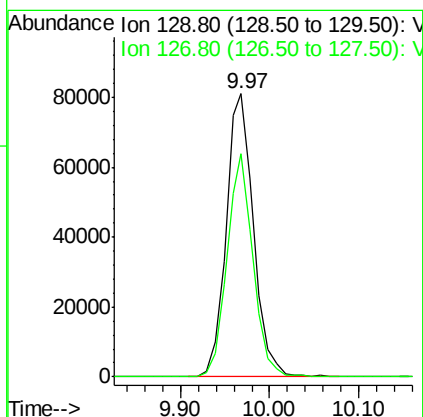
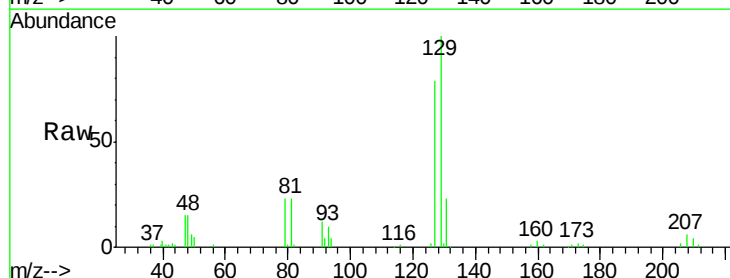
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

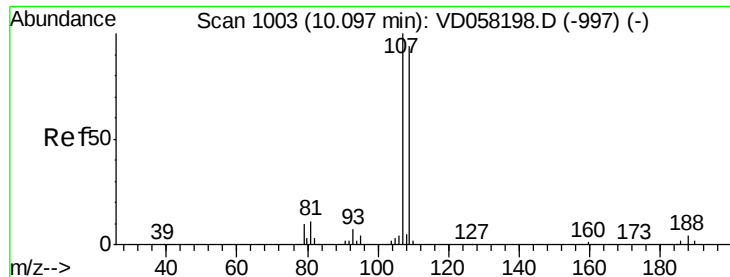
Tot Ion: 43 Resp: 479459
Ion Ratio Lower Upper
43 100
58 42.8 21.7 65.1



#60
Dibromochloromethane
Concen: 22.594 ug/l
RT: 9.97 min Scan# 990
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 129 Resp: 173901
Ion Ratio Lower Upper
129 100
127 78.7 39.8 119.4

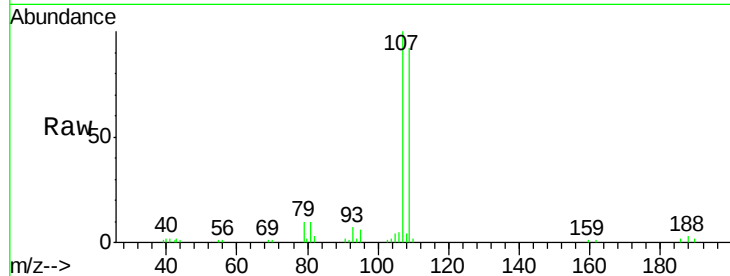




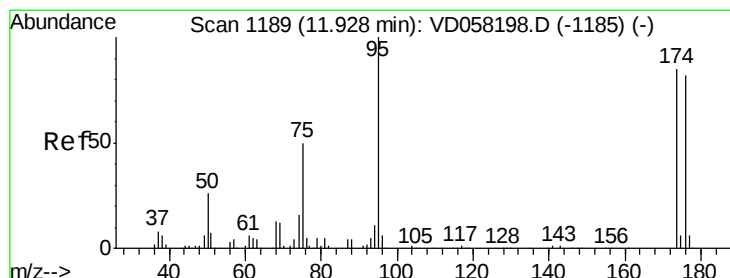
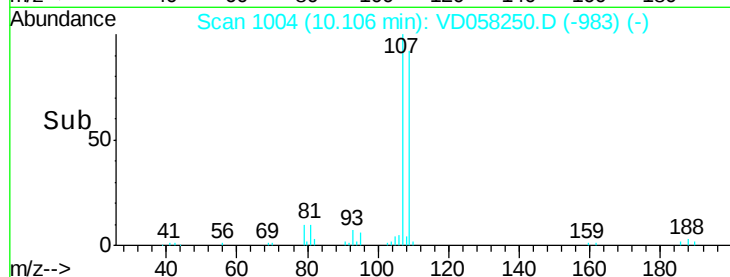
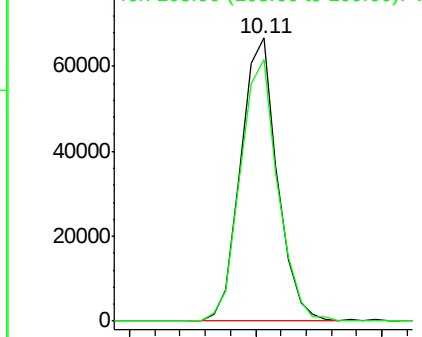
#61
 1,2-Dibromoethane
 Concen: 21.568 ug/l
 RT: 10.11 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion: 107 Resp: 133876
 Ion Ratio Lower Upper
 107 100
 109 92.2 74.8 112.2

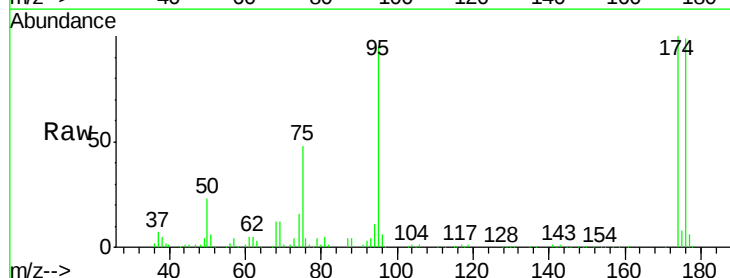


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.90 (108.60 to 109.60): V

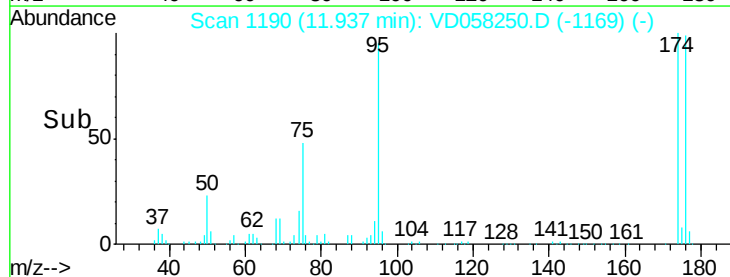
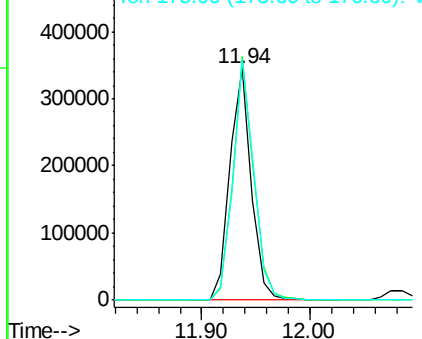


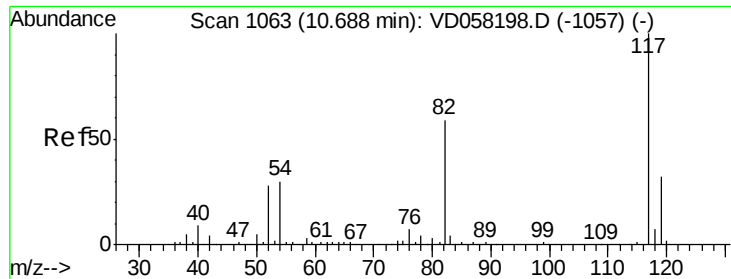
#62
 4-Bromofluorobenzene
 Concen: 21.568 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion: 95 Resp: 478896
 Ion Ratio Lower Upper
 95 100
 174 105.1 0.0 170.2
 176 103.8 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VDC
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

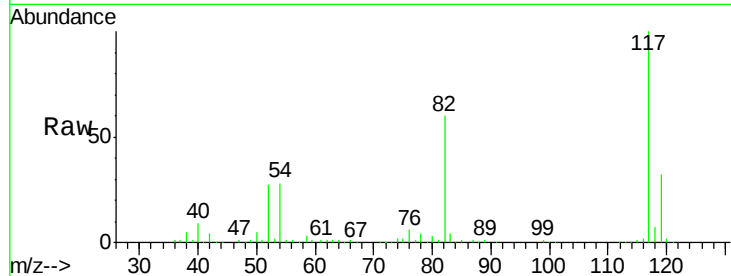




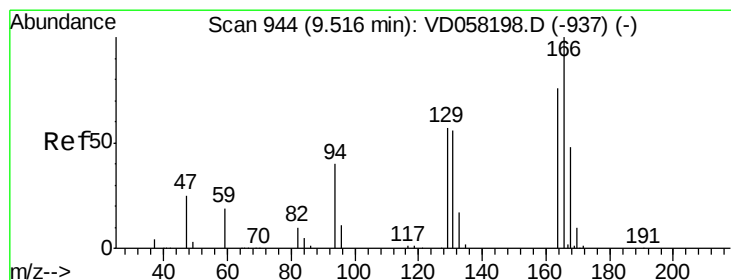
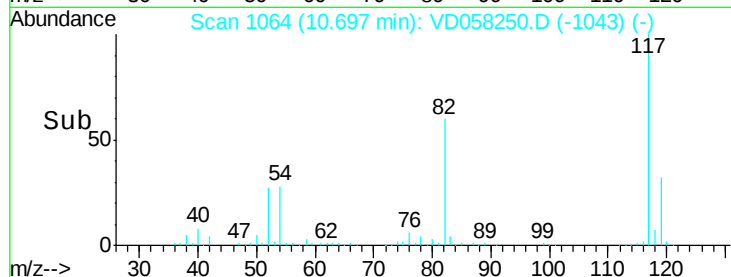
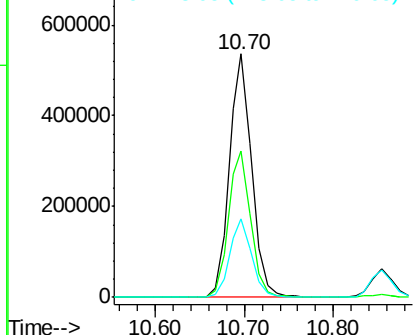
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:117 Resp: 948584
Ion Ratio Lower Upper
117 100
82 60.2 47.0 70.6
119 32.3 25.3 37.9

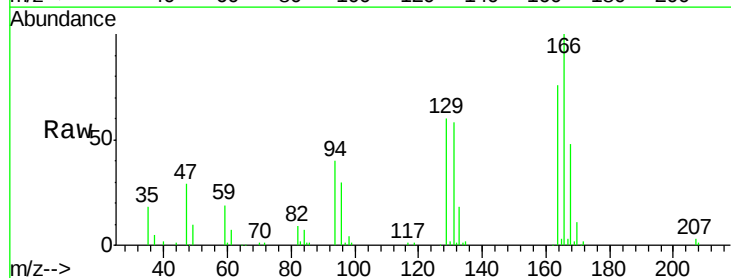


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

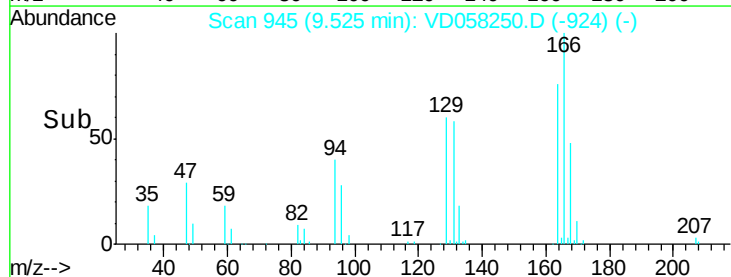
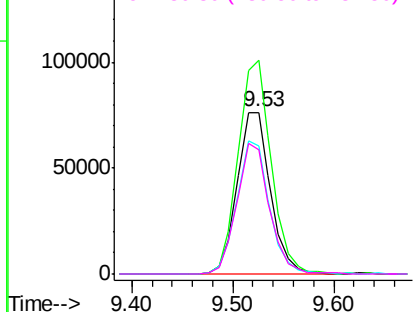


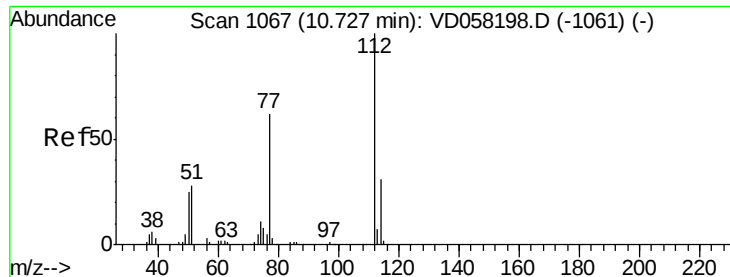
#64
Tetrachloroethene
Concen: 21.933 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion:164 Resp: 175059
Ion Ratio Lower Upper
164 100
166 132.0 105.4 158.0
129 79.4 59.6 89.4
131 77.0 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

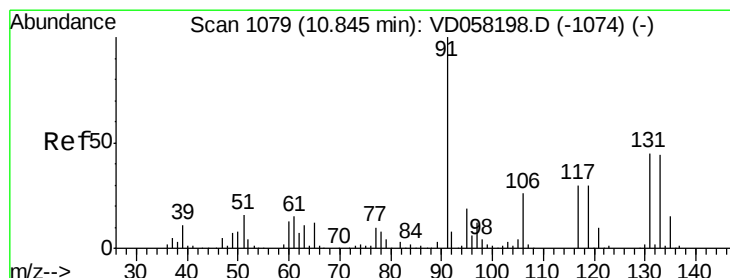
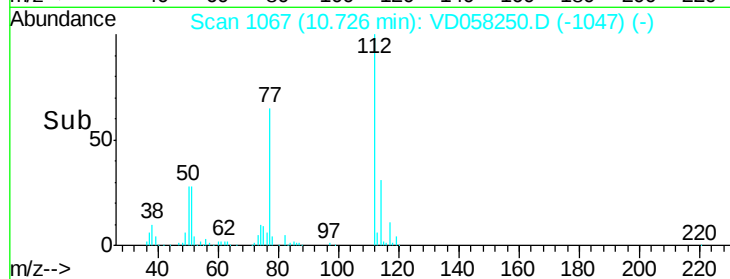
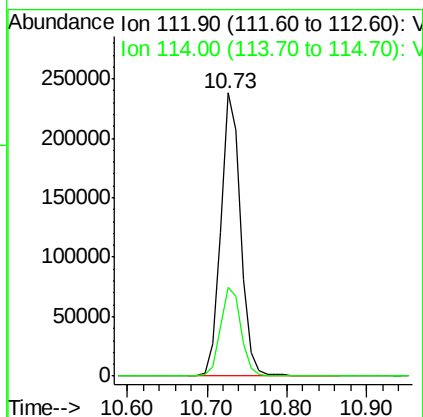
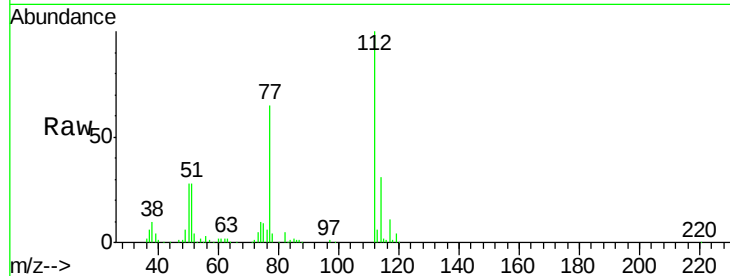




#65
Chlorobenzene
Concen: 23.628 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

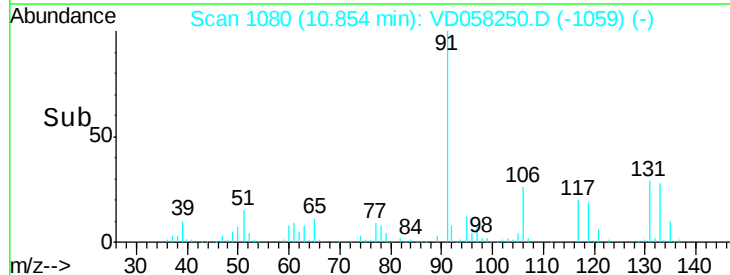
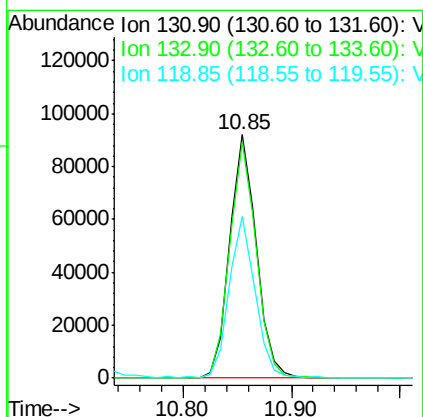
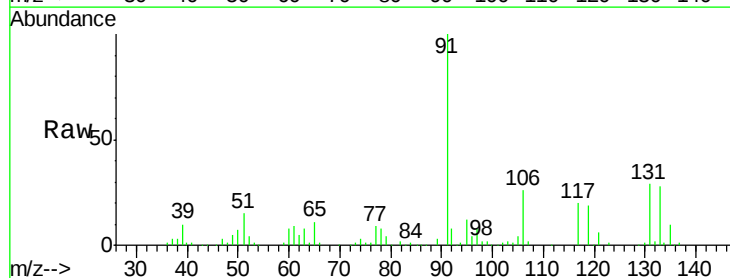
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:112 Resp: 419251
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.021 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion:131 Resp: 157639
Ion Ratio Lower Upper
131 100
133 96.9 48.6 145.9
119 66.3 33.0 99.0

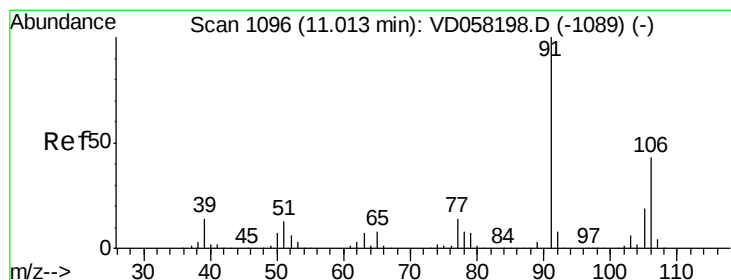
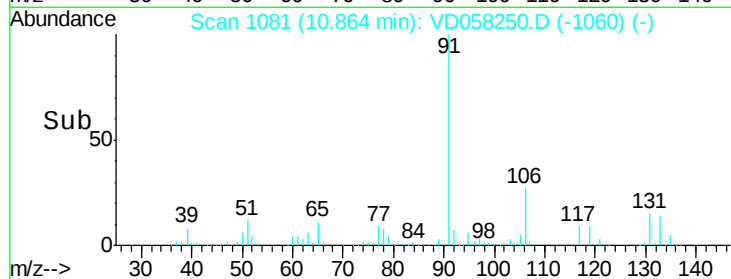
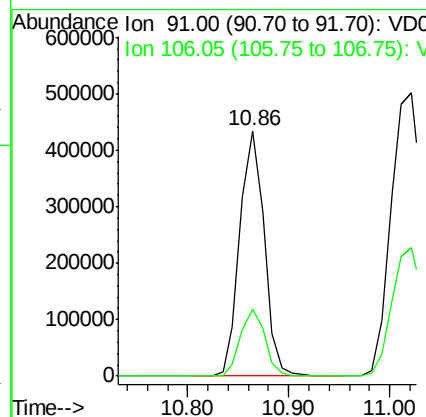
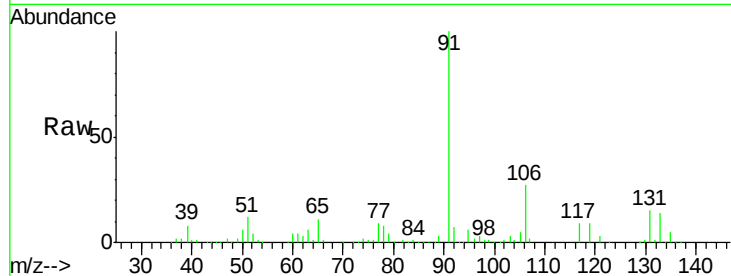




#67
Ethyl Benzene
Concen: 23.403 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

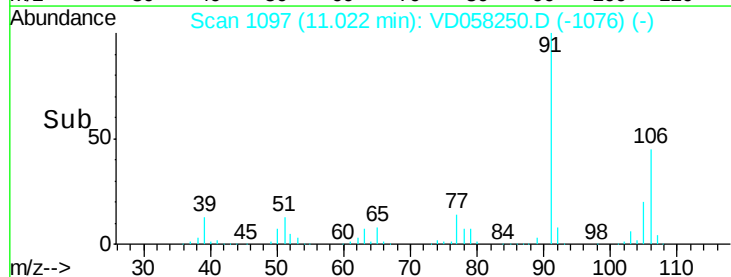
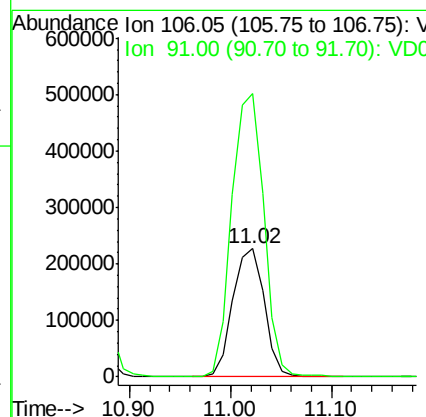
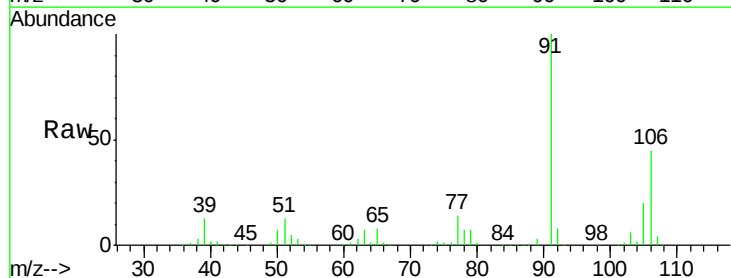
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

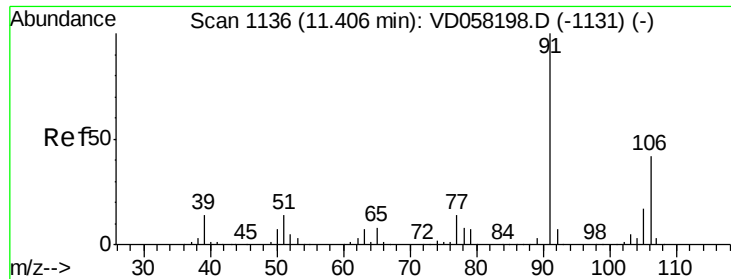
Tot Ion: 91 Resp: 733123
Ion Ratio Lower Upper
91 100
106 27.1 22.0 33.0



#68
m/p-Xylenes
Concen: 47.450 ug/l
RT: 11.02 min Scan# 1097
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 106 Resp: 495682
Ion Ratio Lower Upper
106 100
91 221.3 185.0 277.6

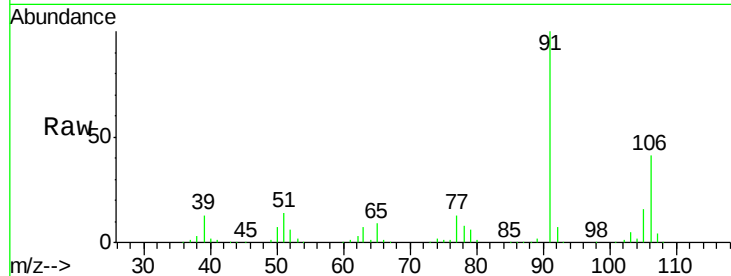




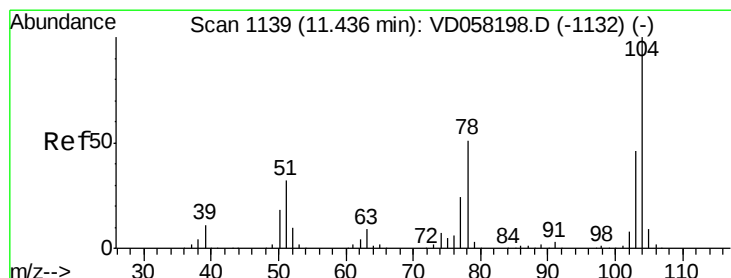
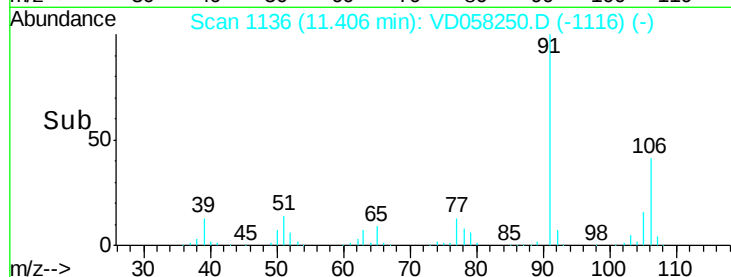
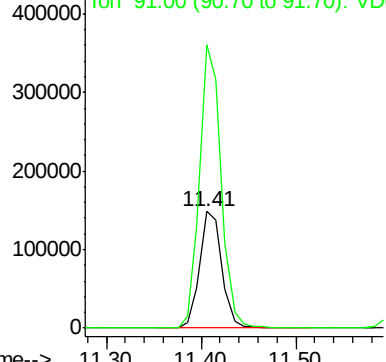
#69
o-Xylene
Concen: 24.216 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

Tot Ion:106 Resp: 241609
Ion Ratio Lower Upper
106 100
91 242.2 120.2 360.6

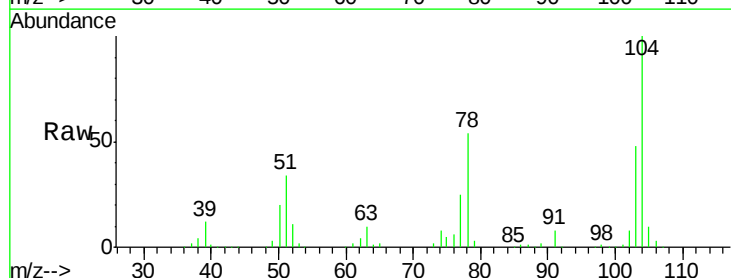


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

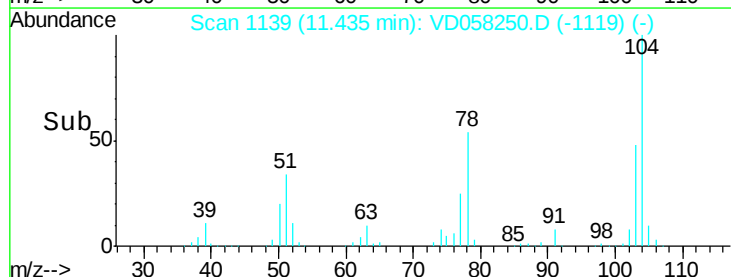
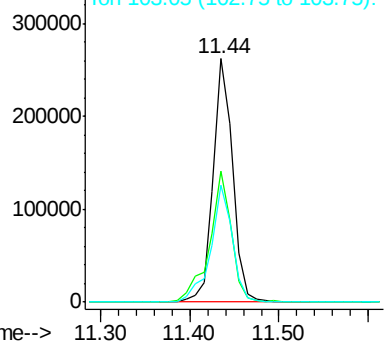


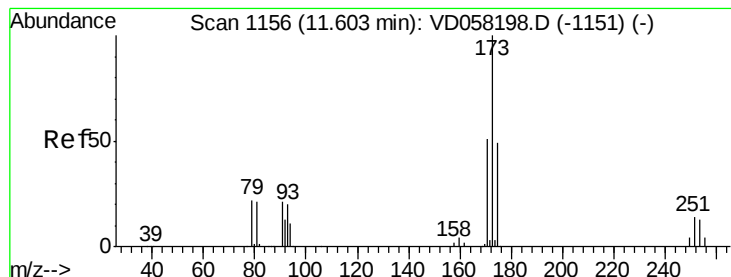
#70
Styrene
Concen: 23.336 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion:104 Resp: 397303
Ion Ratio Lower Upper
104 100
78 53.8 40.8 61.2
103 48.1 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: 22.156 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

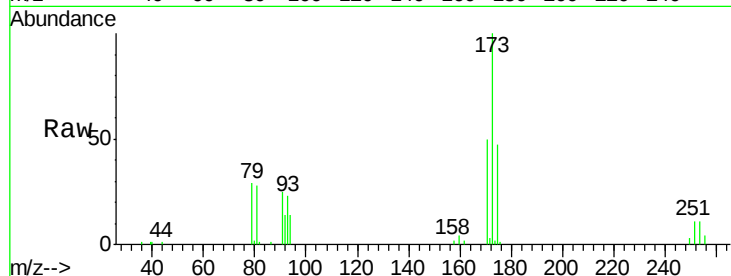
Tot Ion:173 Resp: 121022

Ion Ratio Lower Upper

173 100

175 47.0 24.6 74.0

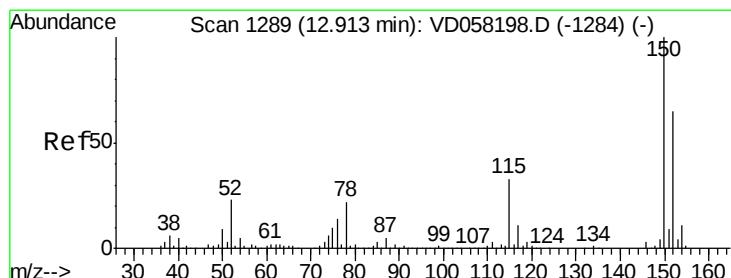
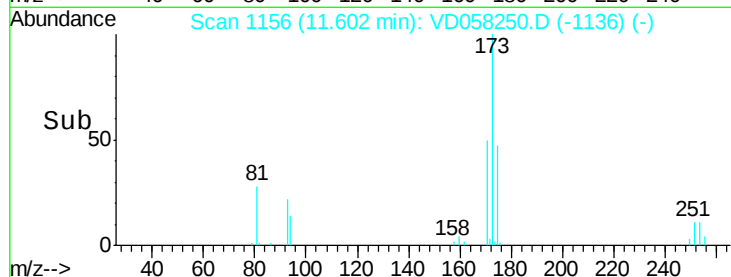
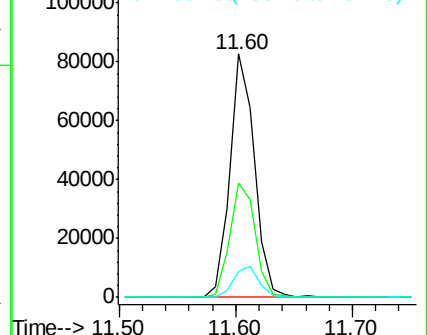
254 10.7 10.3 15.5



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: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

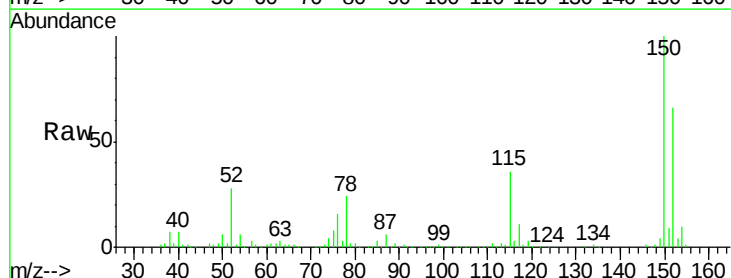
Tgt Ion:152 Resp: 499070

Ion Ratio Lower Upper

152 100

115 55.1 25.1 75.3

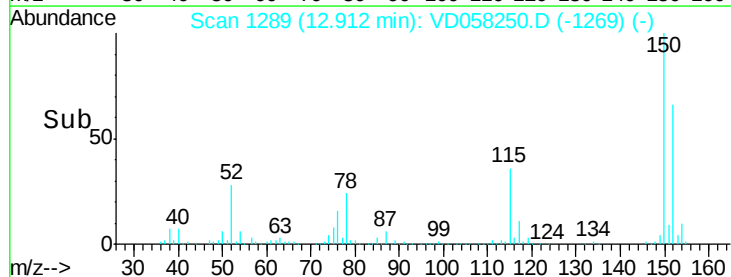
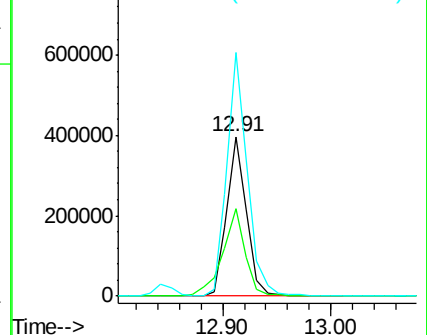
150 152.5 0.0 308.8

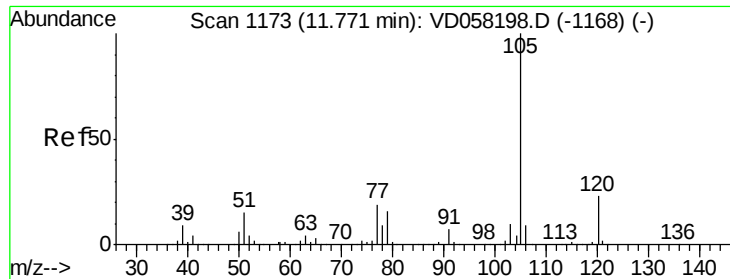


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.282 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

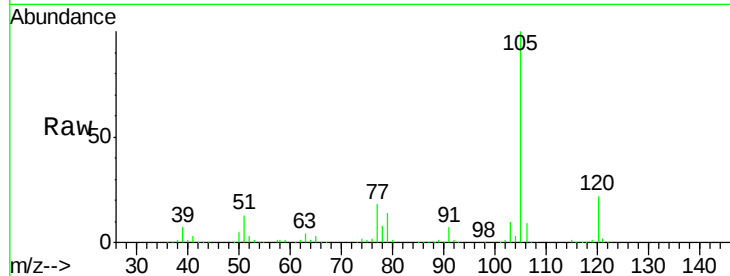
VD0621SBS01

Tot Ion:105 Resp: 695010

Ion Ratio Lower Upper

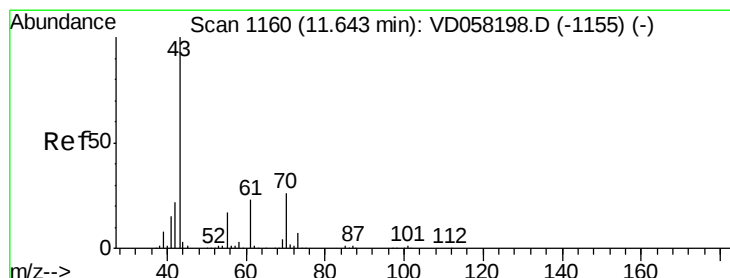
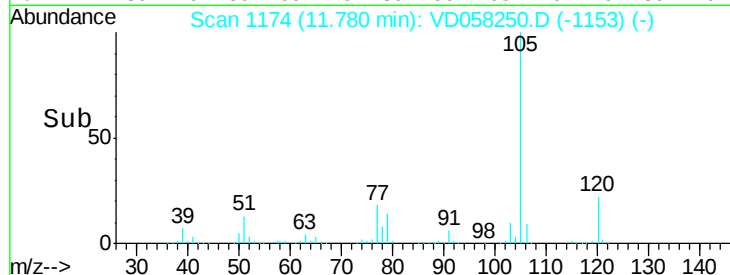
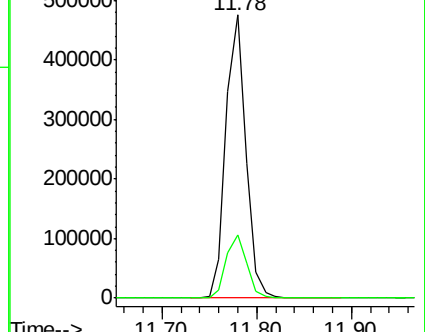
105 100

120 22.2 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.216 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Tgt Ion: 43 Resp: 233344

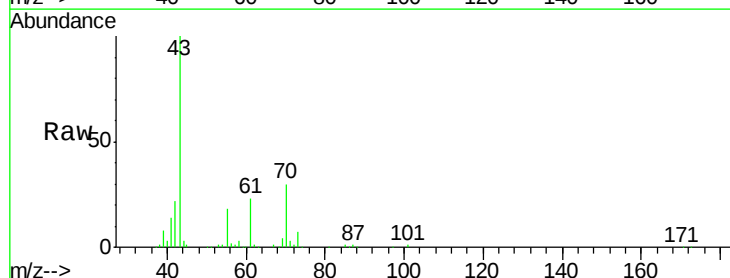
Ion Ratio Lower Upper

43 100

70 30.4 20.9 31.3

55 17.5 13.5 20.3

61 23.4 18.2 27.2

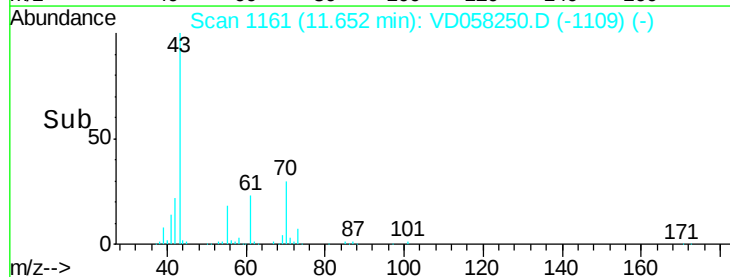
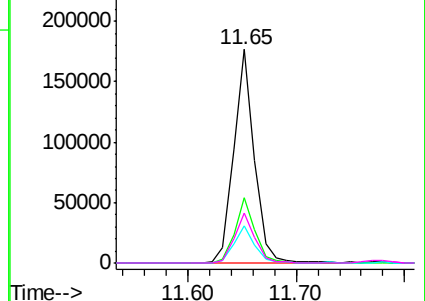


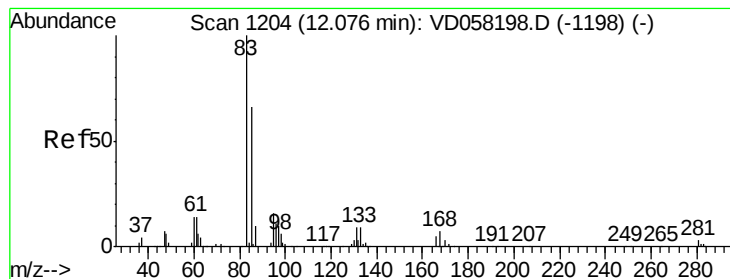
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 22.114 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

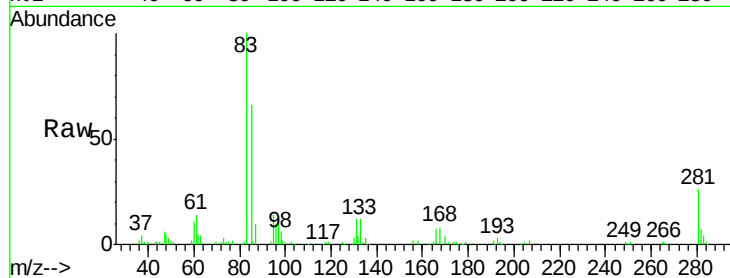
Tot Ion: 83 Resp: 153621

Ion Ratio Lower Upper

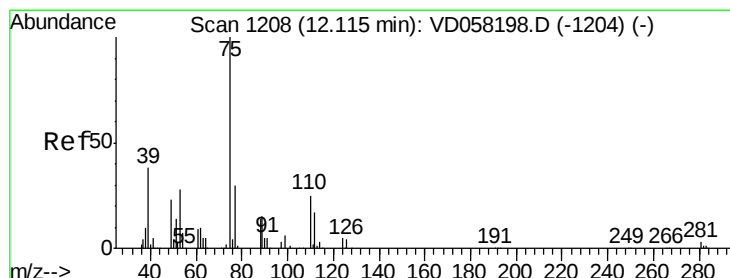
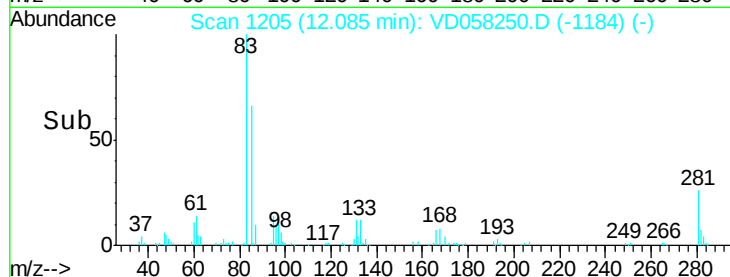
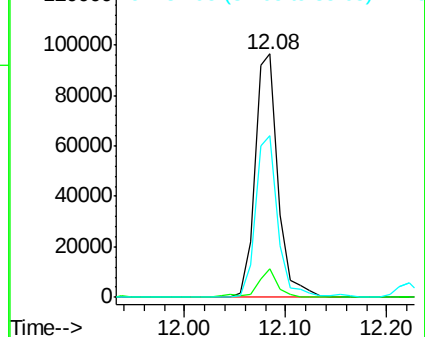
83 100

131 12.0 4.8 14.3

85 66.3 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: 22.689 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058250.D

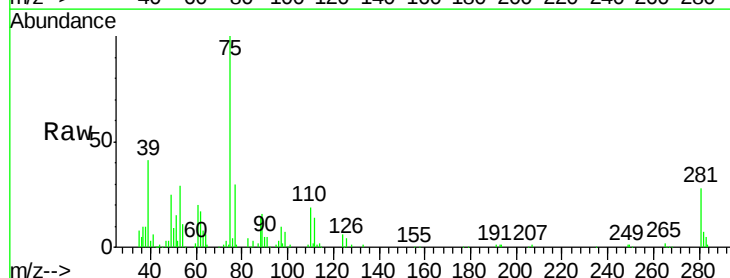
Acq: 21 Jun 2018 14:09

Tgt Ion: 75 Resp: 165322

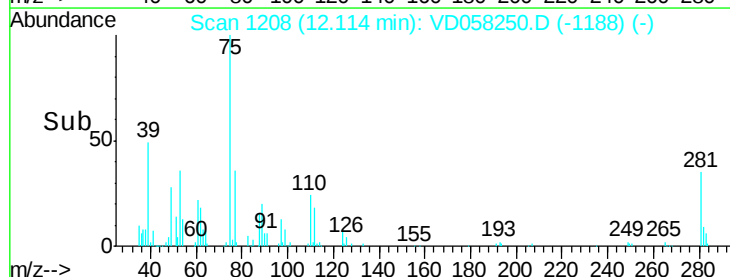
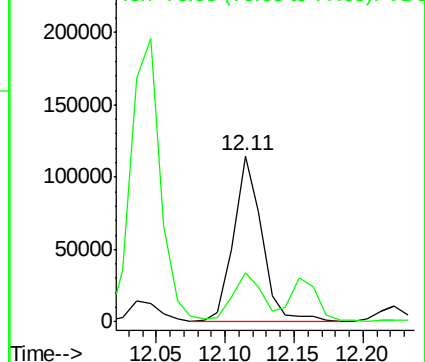
Ion Ratio Lower Upper

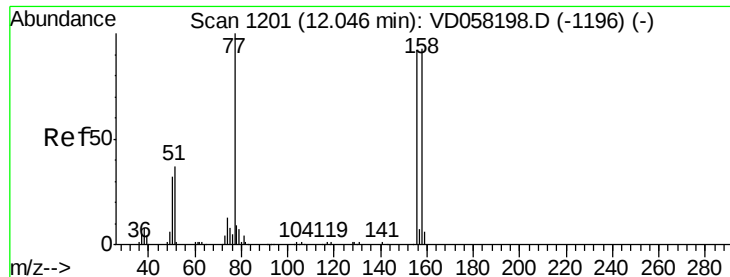
75 100

77 29.8 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: 23.860 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBS01

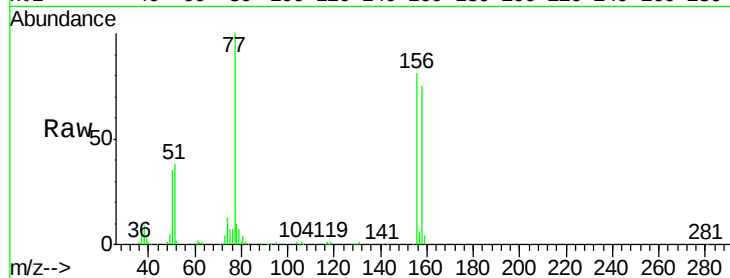
Tot Ion:156 Resp: 213284

Ion Ratio Lower Upper

156 100

77 123.7 54.5 163.6

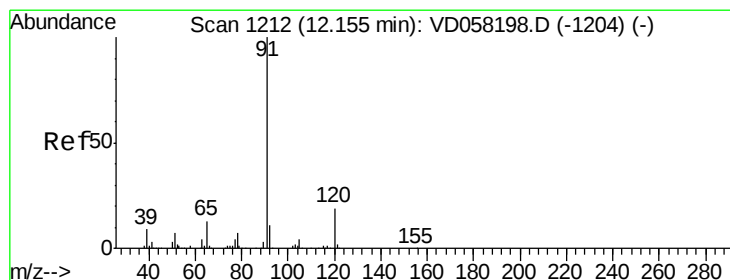
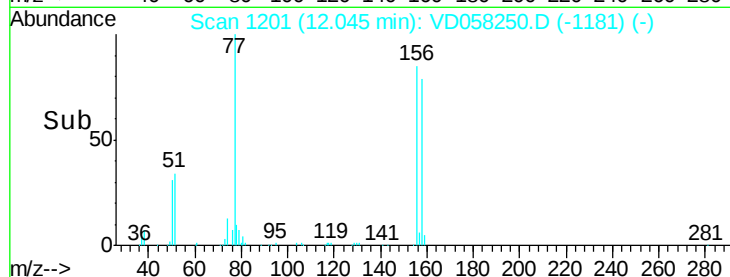
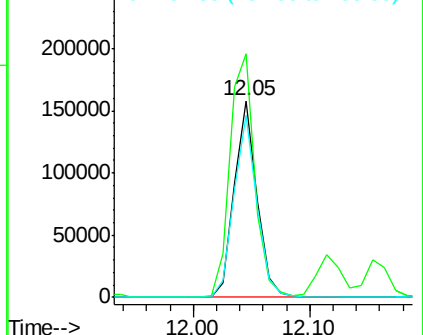
158 92.5 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.310 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058250.D

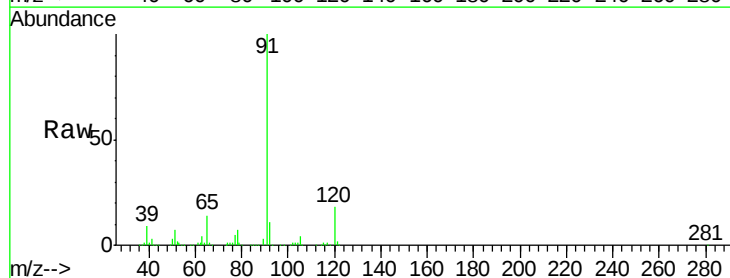
Acq: 21 Jun 2018 14:09

Tgt Ion: 91 Resp: 898591

Ion Ratio Lower Upper

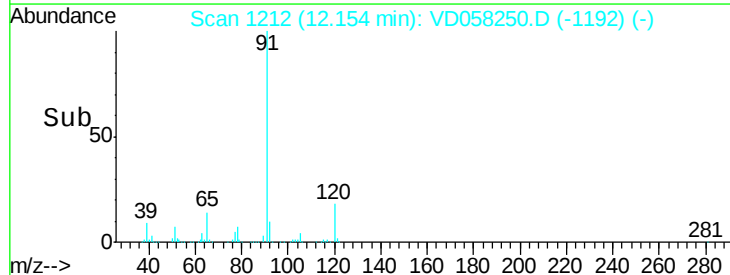
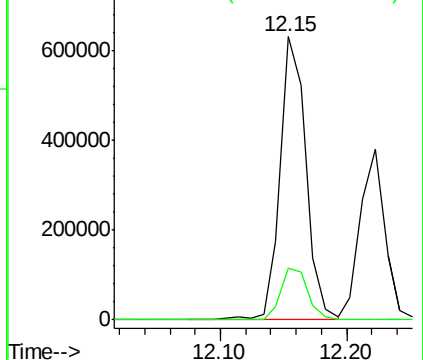
91 100

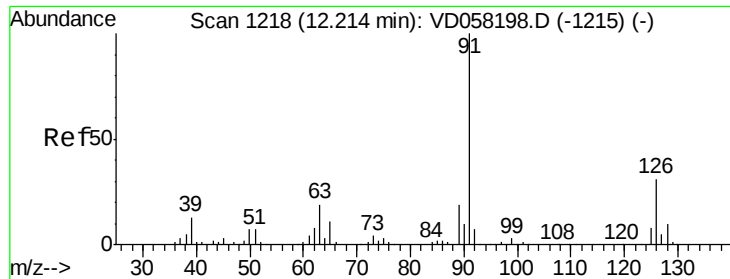
120 18.2 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

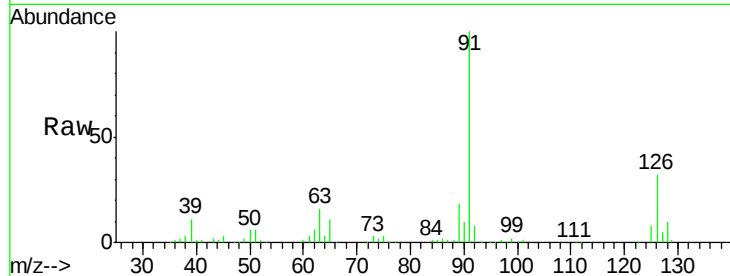




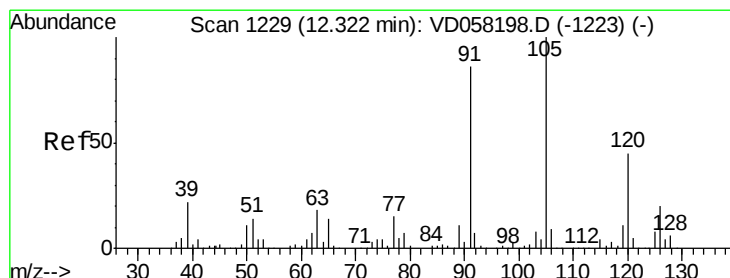
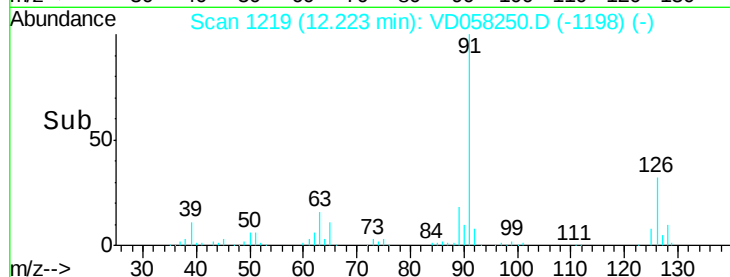
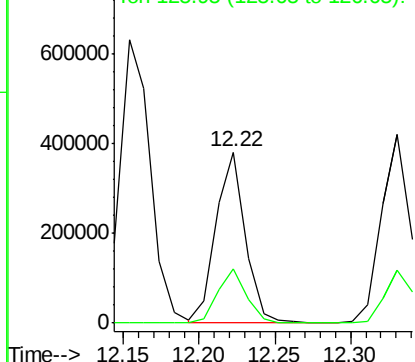
#79
 2-Chlorotoluene
 Concen: 23.111 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion: 91 Resp: 509835
 Ion Ratio Lower Upper
 91 100
 126 31.7 14.9 44.5

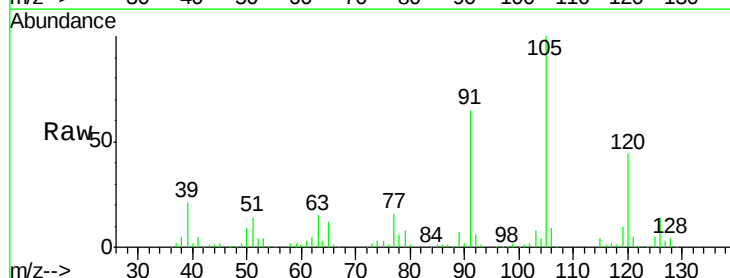


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

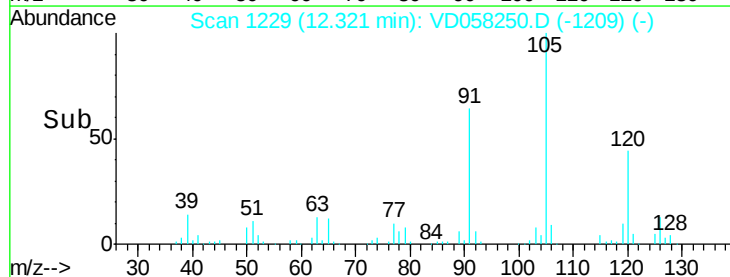
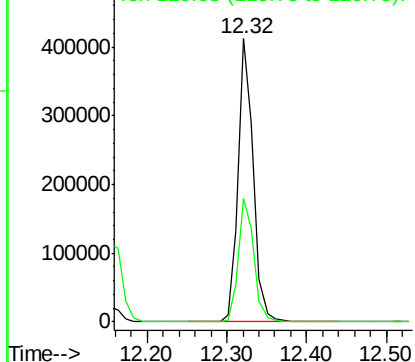


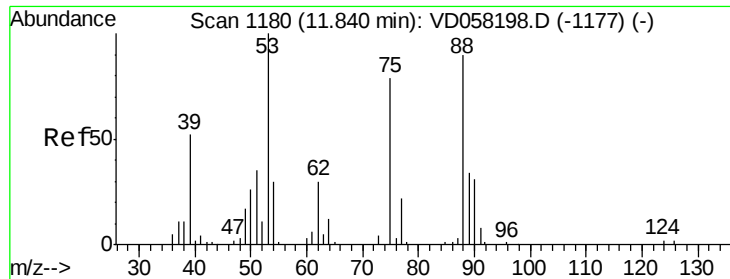
#80
 1,3,5-Trimethylbenzene
 Concen: 23.583 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion: 105 Resp: 549089
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.5 67.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 22.092 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

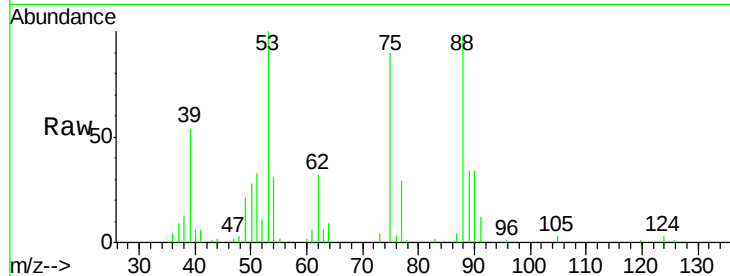
Tot Ion: 75 Resp: 39260

Ion	Ratio	Lower	Upper
75	100		
53	111.5	100.8	151.2
89	38.2	34.6	52.0

75 100

53 111.5 100.8 151.2

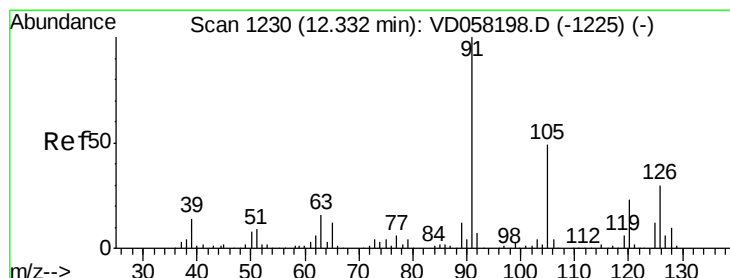
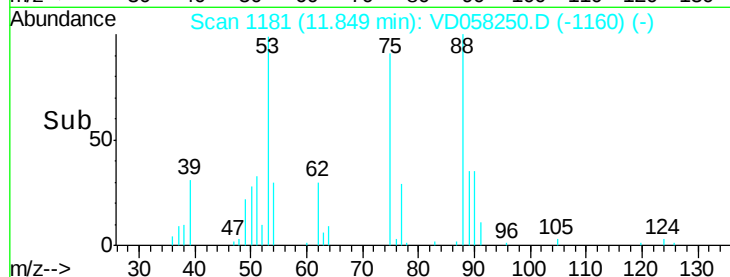
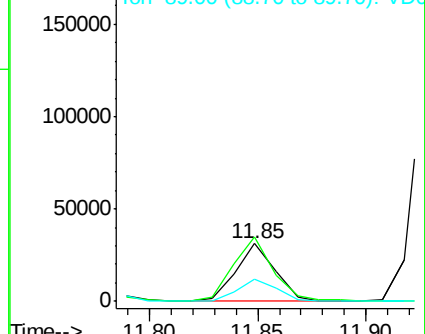
89 38.2 34.6 52.0



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: 23.538 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD058250.D

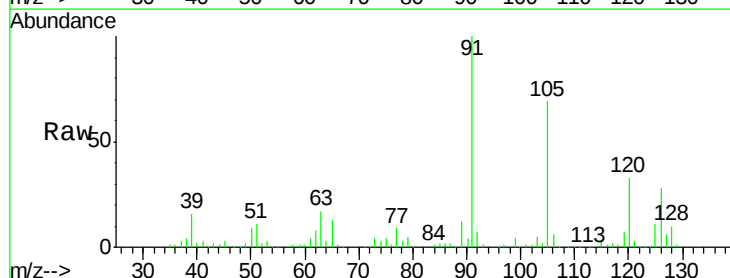
Acq: 21 Jun 2018 14:09

Tgt Ion: 91 Resp: 567912

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.9	44.9

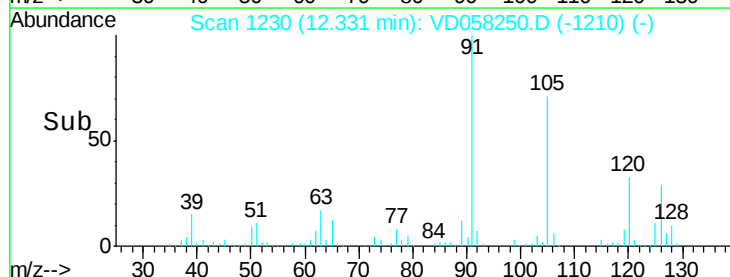
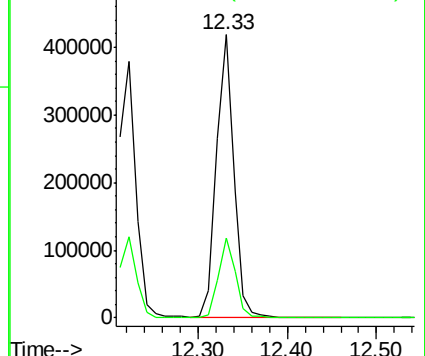
91 100

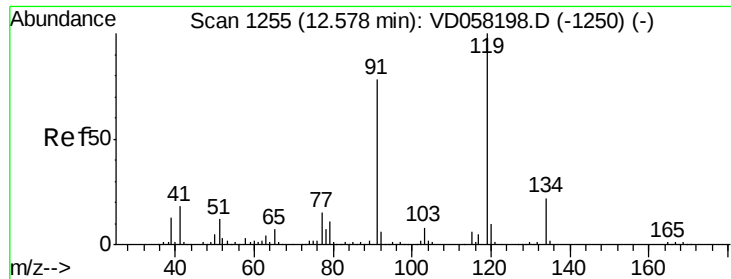
126 28.3 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

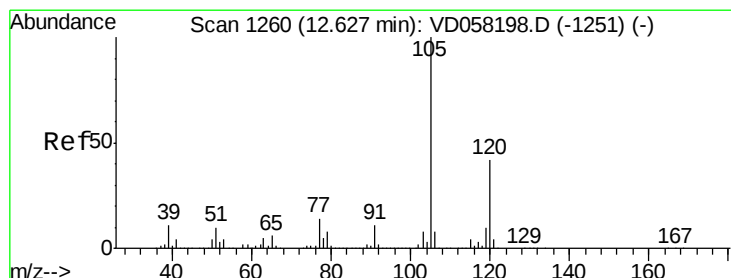
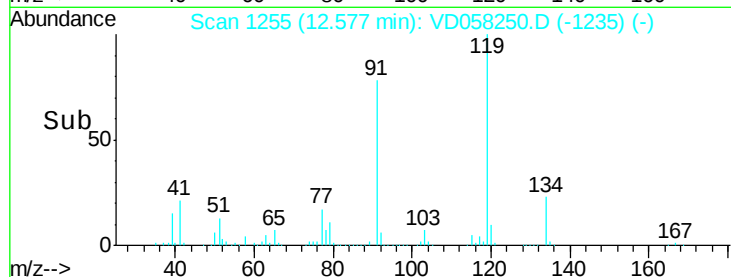
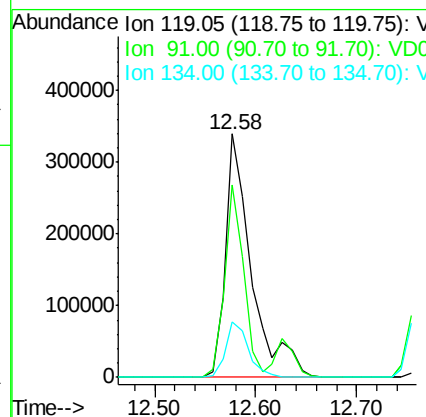
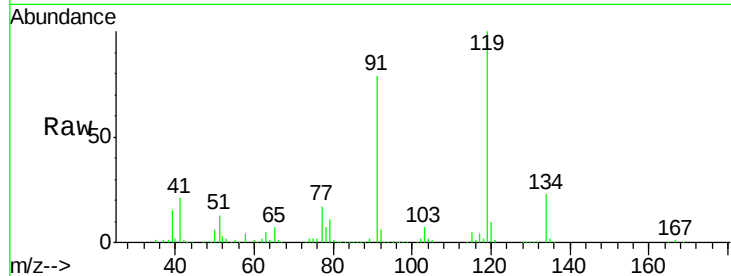




#83
 tert-Butylbenzene
 Concen: 22.752 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

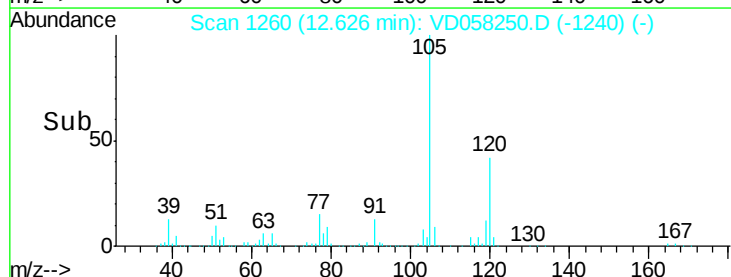
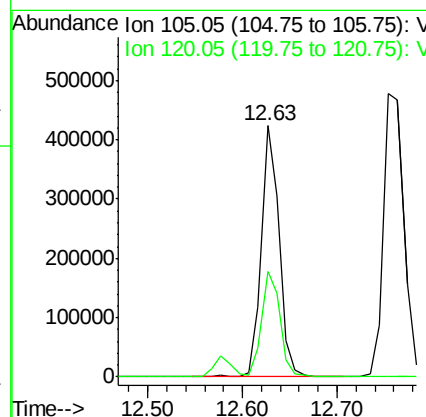
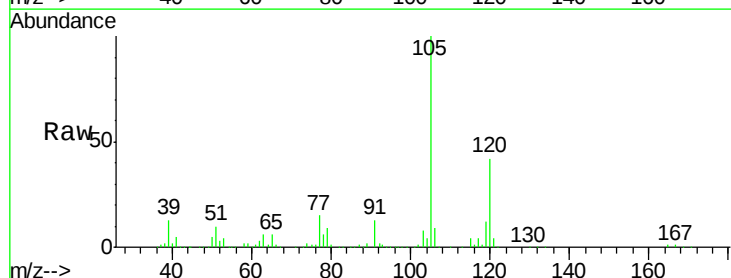
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

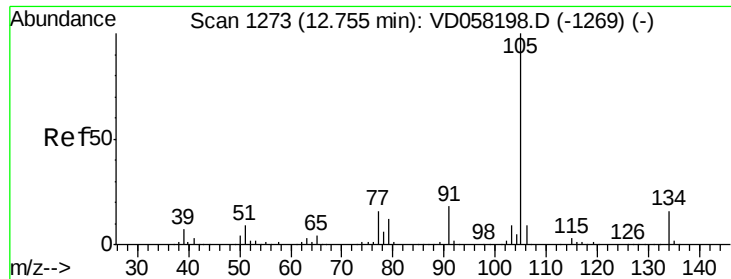
Tot Ion:119 Resp: 609043
 Ion Ratio Lower Upper
 119 100
 91 78.9 38.9 116.6
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.963 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion:105 Resp: 555875
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.8 62.4





#85

sec-Butylbenzene

Concen: 22.960 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleID :

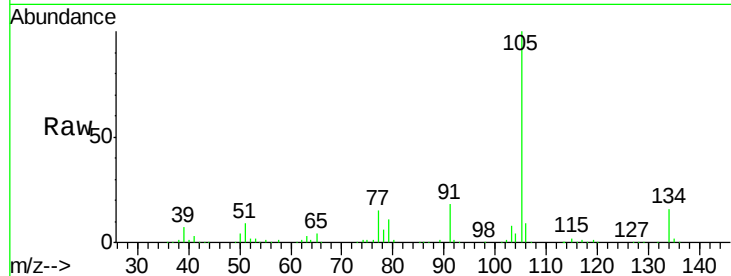
VD0621SBS01

Tot Ion:105 Resp: 720423

Ion Ratio Lower Upper

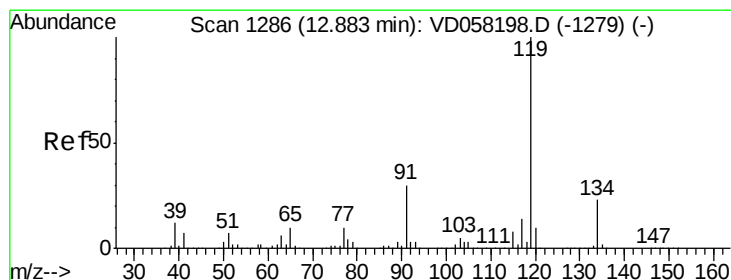
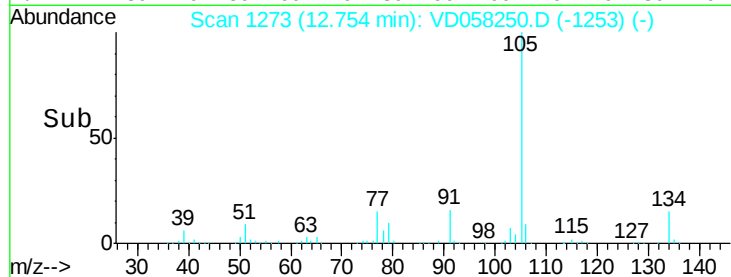
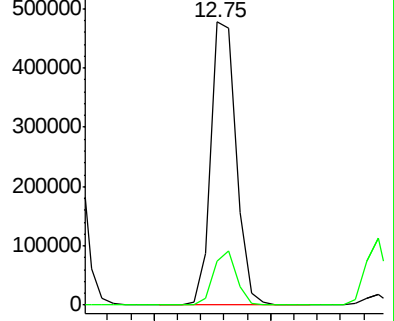
105 100

134 15.7 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: 22.651 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

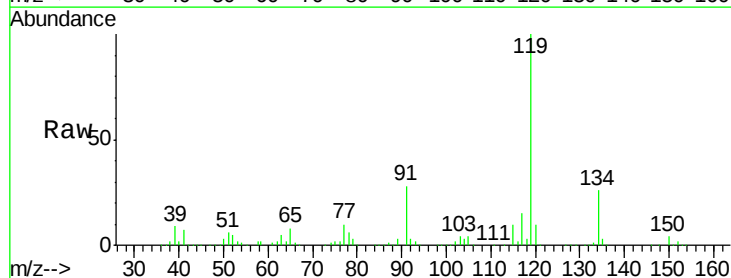
Tgt Ion:119 Resp: 575951

Ion Ratio Lower Upper

119 100

134 25.9 11.6 34.8

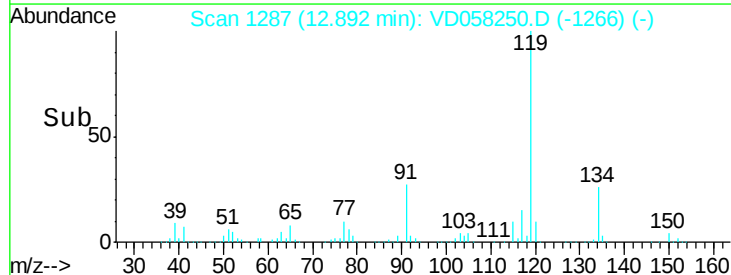
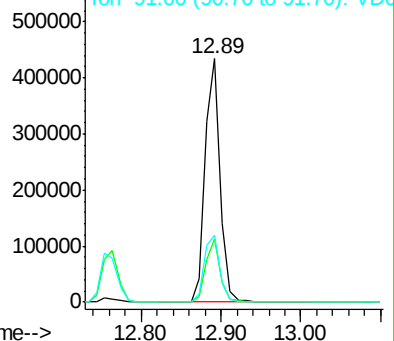
91 27.5 15.0 45.1

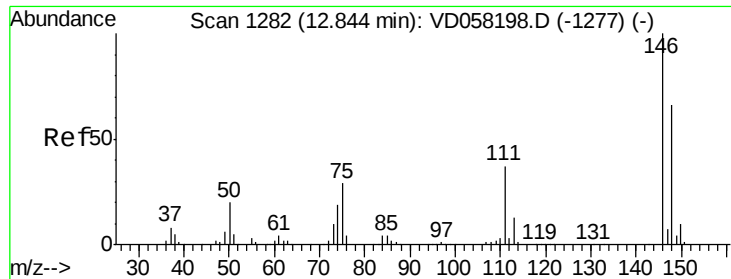


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

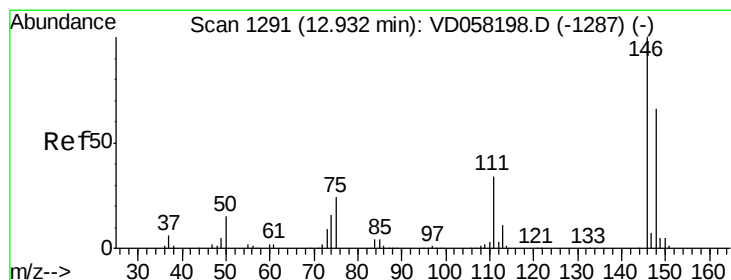
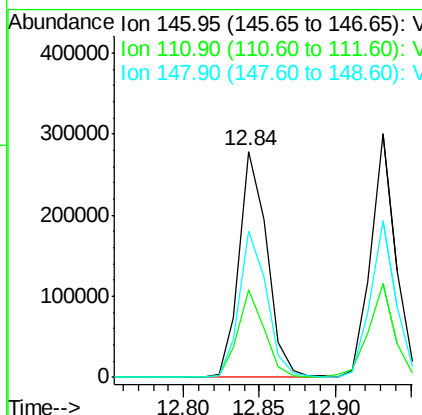
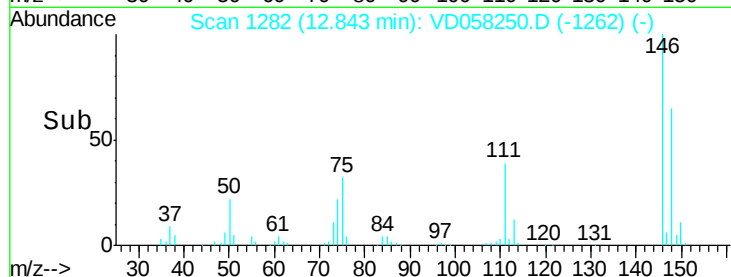
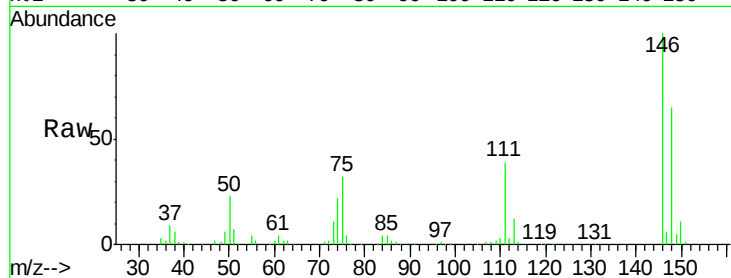




#87
 1,3-Dichlorobenzene
 Concen: 23.077 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

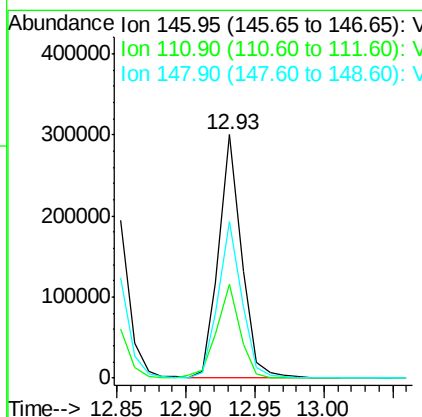
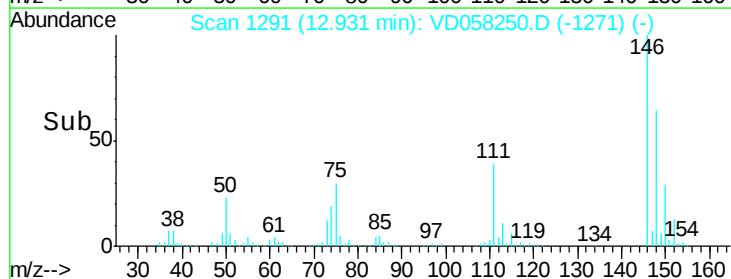
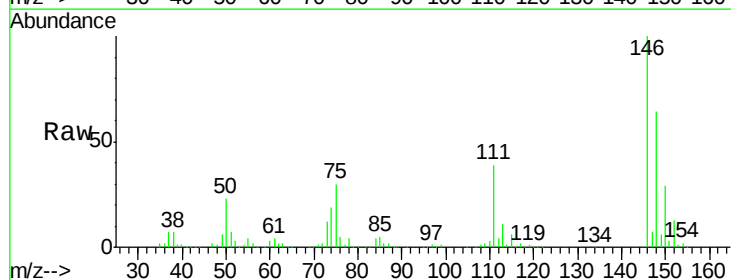
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

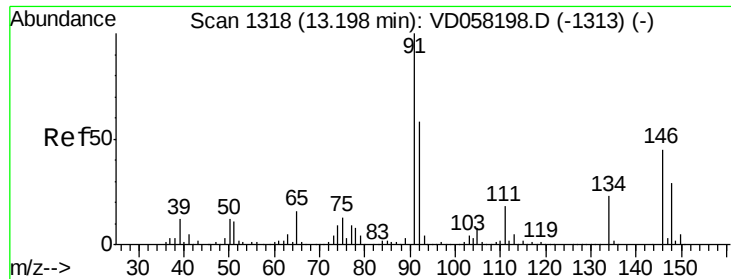
Tot Ion:146 Resp: 358543
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.4 55.0
 148 64.9 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 22.794 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion:146 Resp: 345830
 Ion Ratio Lower Upper
 146 100
 111 38.6 17.2 51.5
 148 64.2 33.1 99.3

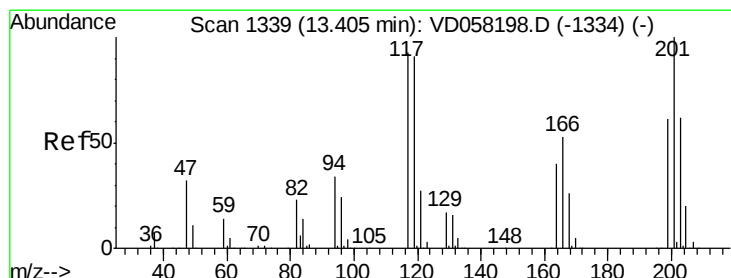
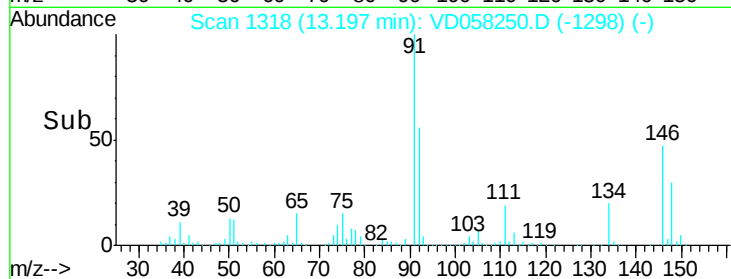
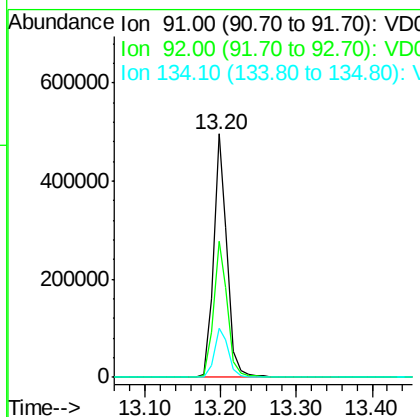
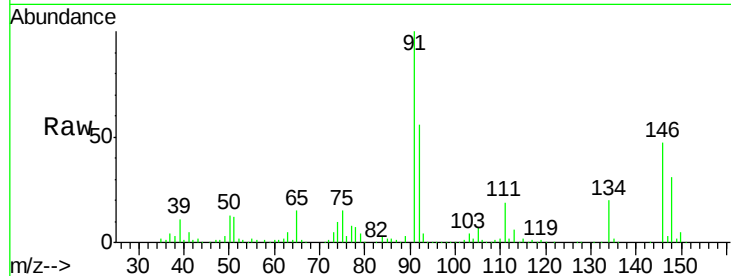




#89
n-Butylbenzene
Concen: 23.355 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

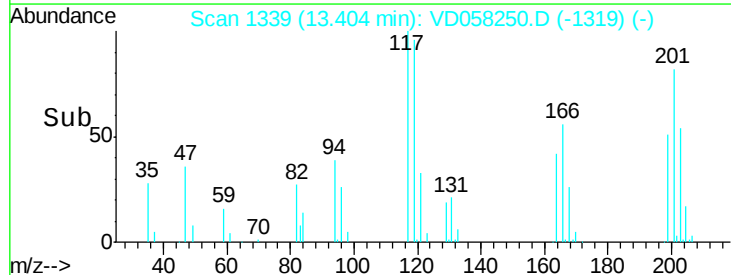
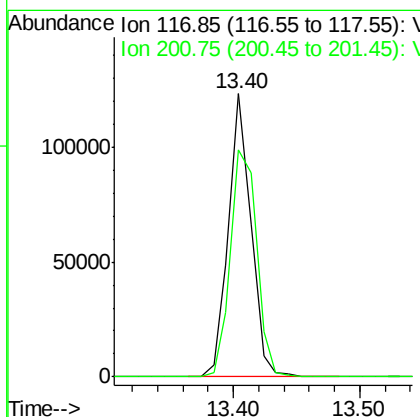
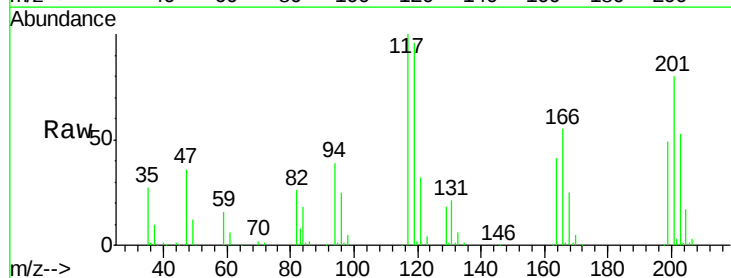
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

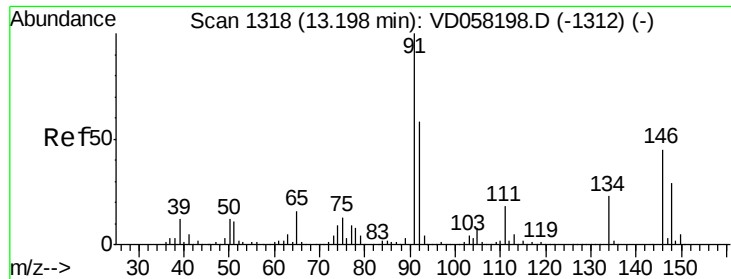
Tot Ion: 91 Resp: 624133
Ion Ratio Lower Upper
91 100
92 56.1 29.2 87.6
134 19.9 11.3 33.8



#90
Hexachloroethane
Concen: 22.985 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 117 Resp: 151693
Ion Ratio Lower Upper
117 100
201 80.1 53.8 161.4

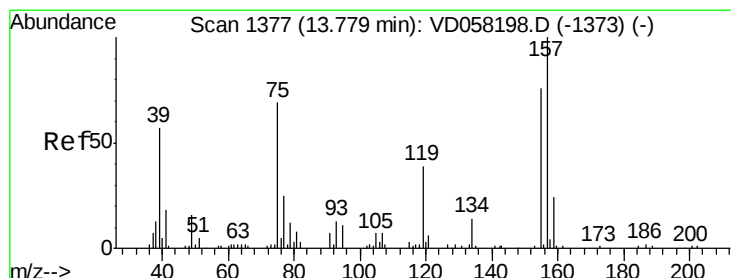
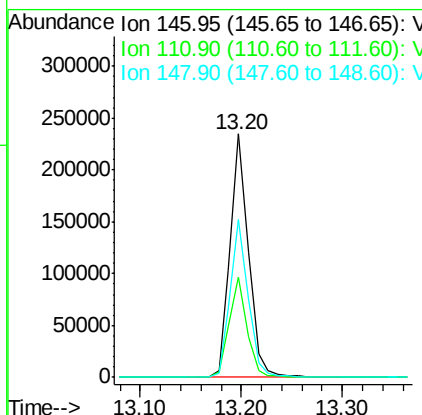
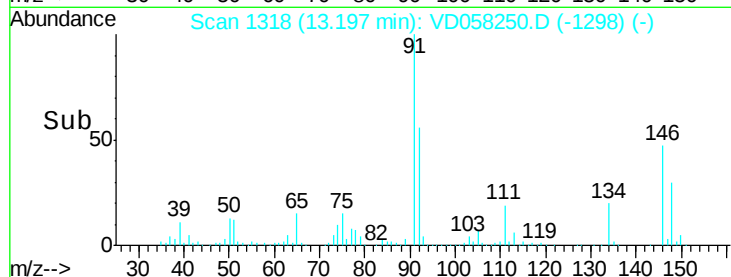
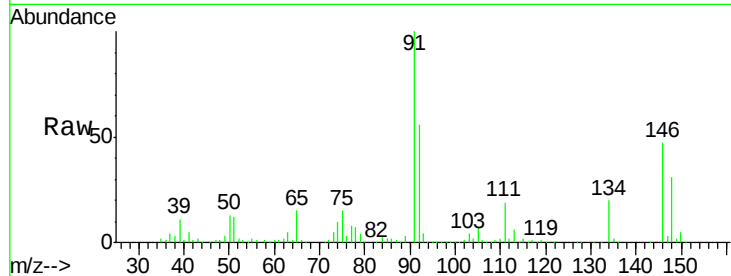




#91
 1,2-Dichlorobenzene
 Concen: 22.482 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

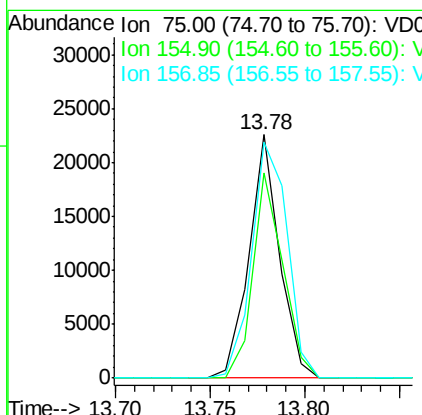
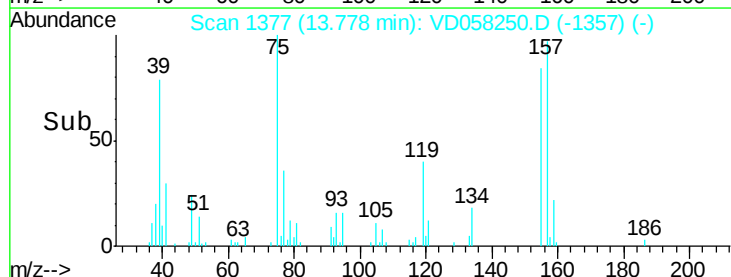
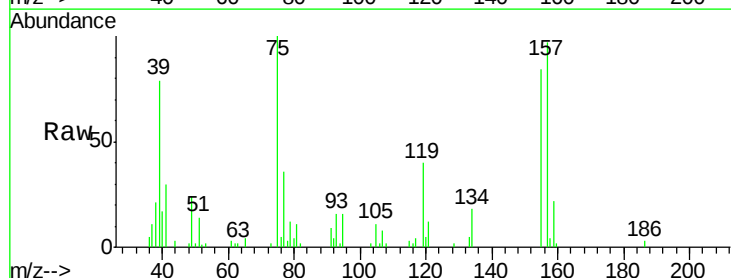
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

Tot Ion:146 Resp: 297253
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.6 58.7
 148 64.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.699 ug/l
 RT: 13.78 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion: 75 Resp: 25096
 Ion Ratio Lower Upper
 75 100
 155 84.5 54.5 163.5
 157 97.1 72.0 215.9

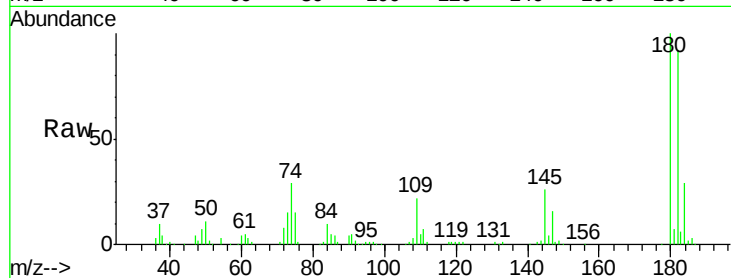




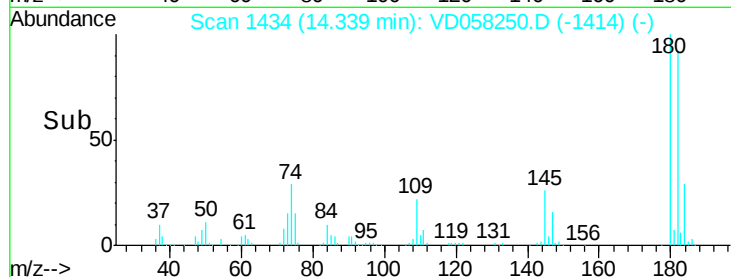
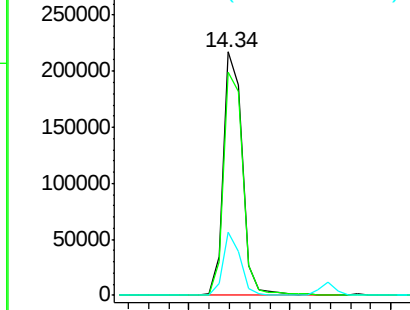
#93
 1,2,4-Trichlorobenzene
 Concen: 22.640 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.1	141.3
145	26.0	11.7	35.0

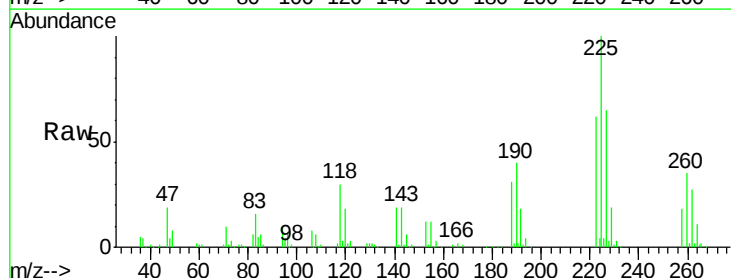


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

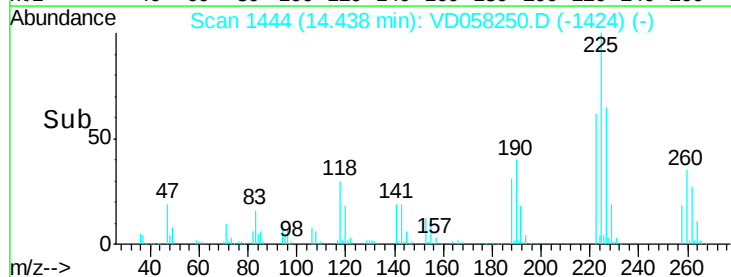
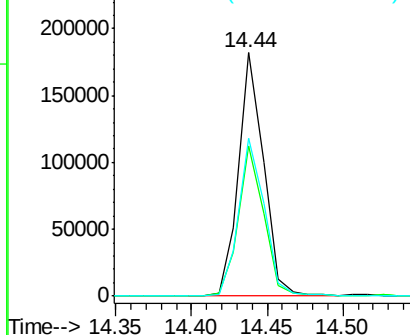


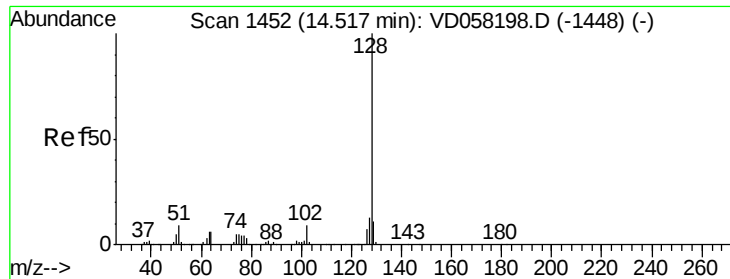
#94
 Hexachlorobutadiene
 Concen: 21.223 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	30.1	90.3
227	65.0	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: 21.212 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_D

ClientSampleId :

VD0621SBSD01

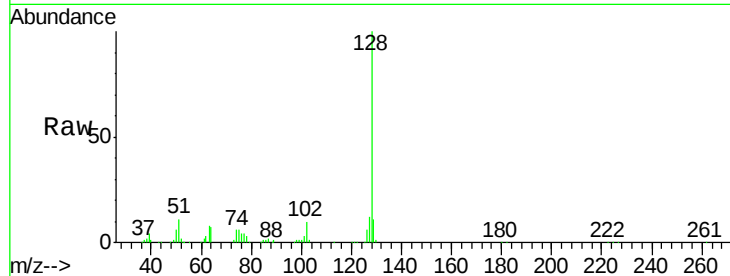
Tot Ion:128 Resp: 353340

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

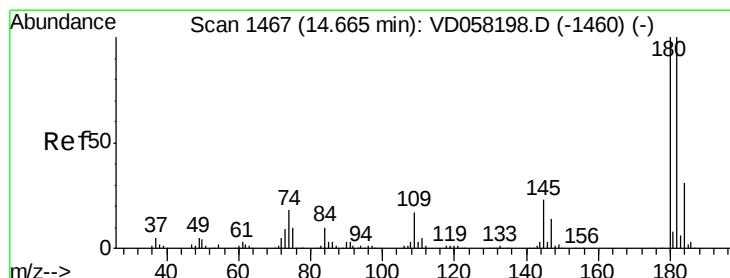
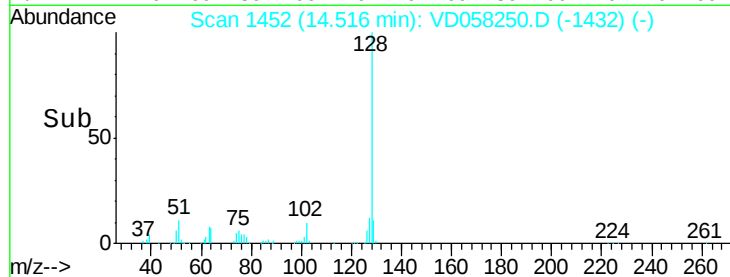
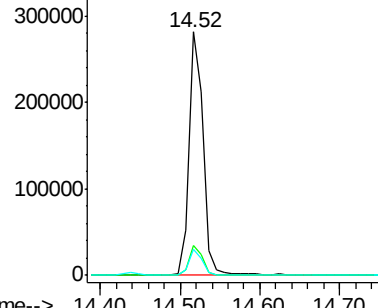
129 10.6 8.7 13.1



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: 21.837 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

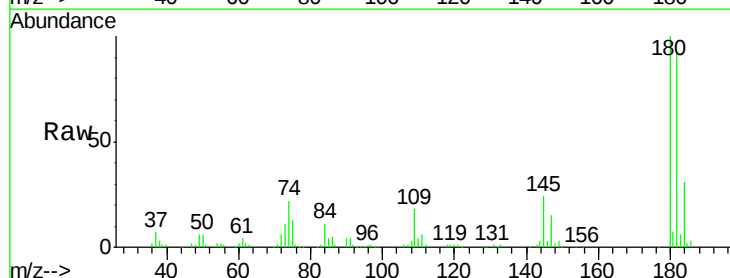
Tgt Ion:180 Resp: 241752

Ion Ratio Lower Upper

180 100

182 93.1 49.9 149.6

145 24.3 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

