

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058250.D
 Acq On : 21 Jun 2018 14:09
 Operator : VA/AP
 Sample : VD0621SBSD01
 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	26.11	ug/l	99
3) Chloromethane	1.48	50	117354	28.11	ug/l	99
4) Vinyl Chloride	1.55	62	113728	24.23	ug/l	100
5) Bromomethane	1.79	94	36044	20.40	ug/l	90
6) Chloroethane	1.88	64	40081	21.88	ug/l	97
7) Trichlorofluoromethane	2.08	101	154911	24.07	ug/l	99
8) Diethyl Ether	2.35	74	30879	22.69	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.56	101	100997	24.69	ug/l	94
10) Methyl Iodide	2.69	142	107950	23.20	ug/l	97
11) Tert butyl alcohol	3.27	59	30800	103.19	ug/l	96
12) 1,1-Dichloroethene	2.55	96	72297	23.49	ug/l	95
13) Acrolein	2.47	56	21934	128.73	ug/l	86
14) Allyl chloride	2.92	41	166215	23.20	ug/l	95
15) Acrylonitrile	3.36	53	96209	121.57	ug/l	96
16) Acetone	2.61	43	140898	113.85	ug/l	97
17) Carbon Disulfide	2.75	76	232074	22.16	ug/l	98
18) Methyl Acetate	2.94	43	48450	18.36	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	198985	24.37	ug/l	92
20) Methylene Chloride	3.07	84	88769	25.10	ug/l	# 85
21) trans-1,2-Dichloroethene	3.38	96	76065	22.61	ug/l	# 76
22) Diisopropyl ether	4.08	45	654868	23.02	ug/l	98
23) Vinyl Acetate	4.02	43	1800896	118.07	ug/l	98
24) 1,1-Dichloroethane	3.97	63	372594	24.31	ug/l	98
25) 2-Butanone	4.85	43	297791	110.40	ug/l	97
26) 2,2-Dichloropropane	4.81	77	315507	24.58	ug/l	100
27) cis-1,2-Dichloroethene	4.81	96	207402	24.67	ug/l	97
28) Bromochloromethane	5.15	49	151485	22.05	ug/l	# 97
29) Tetrahydrofuran	5.19	42	152648	106.32	ug/l	99
30) Chloroform	5.33	83	392571	24.26	ug/l	94
31) Cyclohexane	5.60	56	295280	23.79	ug/l	98
32) 1,1,1-Trichloroethane	5.52	97	315558	23.60	ug/l	96
36) 1,1-Dichloropropene	5.75	75	276655	23.41	ug/l	100
37) Ethyl Acetate	4.94	43	144777	21.50	ug/l	96
38) Carbon Tetrachloride	5.74	117	265336	22.60	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	271203	23.56	ug/l	94
40) Benzene	6.02	78	646567	22.97	ug/l	99
41) Methacrylonitrile	5.13	41	72846	22.40	ug/l	97
42) 1,2-Dichloroethane	6.14	62	243543	21.46	ug/l	100
43) Isopropyl Acetate	7.63	43	178639	19.90	ug/l #	98
44) Trichloroethene	7.00	130	184940	21.88	ug/l	100
45) 1,2-Dichloropropane	7.36	63	181551	23.95	ug/l	97
46) Dibromomethane	7.47	93	116630	22.53	ug/l	92
47) Bromodichloromethane	7.75	83	266537	22.58	ug/l #	99
48) Methyl methacrylate	7.52	41	109423	20.06	ug/l	90
49) 1,4-Dioxane	7.49	88	21823	443.11	ug/l #	80
51) 4-Methyl-2-Pentanone	8.61	43	629066	107.43	ug/l	98
52) Toluene	8.81	92	370519	23.11	ug/l	98
53) t-1,3-Dichloropropene	9.19	75	231225	22.53	ug/l	100
54) cis-1,3-Dichloropropene	8.37	75	278181	23.12	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	127905	22.55	ug/l	99
56) Ethyl methacrylate	9.32	69	150048	22.12	ug/l	98
57) 1,3-Dichloropropane	9.67	76	198534	20.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.20	63	364287	108.49	ug/l	98
59) 2-Hexanone	9.79	43	479459	113.32	ug/l	99
60) Dibromochloromethane	9.97	129	173901	22.59	ug/l	99
61) 1,2-Dibromoethane	10.11	107	133876	21.57	ug/l	99
64) Tetrachloroethene	9.53	164	175059	21.93	ug/l	98
65) Chlorobenzene	10.73	112	419251	23.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	157639	23.02	ug/l	100
67) Ethyl Benzene	10.86	91	733123	23.40	ug/l	99
68) m/p-Xylenes	11.02	106	495682	47.45	ug/l	94
69) o-Xylene	11.41	106	241609	24.22	ug/l	99
70) Styrene	11.44	104	397303	23.34	ug/l	97
71) Bromoform	11.60	173	121022	22.16	ug/l	96
73) Isopropylbenzene	11.78	105	695010	23.28	ug/l	98
74) N-amyl acetate	11.65	43	233344	20.22	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.08	83	153621	22.11	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	165322	22.69	ug/l	96
77) Bromobenzene	12.05	156	213284	23.86	ug/l	88
78) n-propylbenzene	12.15	91	898591	23.31	ug/l	97
79) 2-Chlorotoluene	12.22	91	509835	23.11	ug/l	96
80) 1,3,5-Trimethylbenzene	12.32	105	549089	23.58	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	39260	22.09	ug/l	89
82) 4-Chlorotoluene	12.33	91	567912	23.54	ug/l	97
83) tert-Butylbenzene	12.58	119	609043	22.75	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	555875	21.96	ug/l	99
85) sec-Butylbenzene	12.75	105	720423	22.96	ug/l	99
86) p-Isopropyltoluene	12.89	119	575951	22.65	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	358543	23.08	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	345830	22.79	ug/l	96
89) n-Butylbenzene	13.20	91	624133	23.36	ug/l	96
90) Hexachloroethane	13.40	117	151693	22.99	ug/l	74
91) 1,2-Dichlorobenzene	13.20	146	297253	22.48	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	25096	22.70	ug/l	68

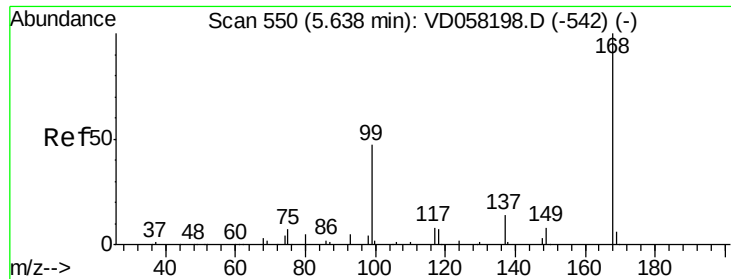
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	286296	22.64	ug/l	97
94) Hexachlorobutadiene	14.44	225	209913	21.22	ug/l	98
95) Naphthalene	14.52	128	353340	21.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	241752	21.84	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 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 :

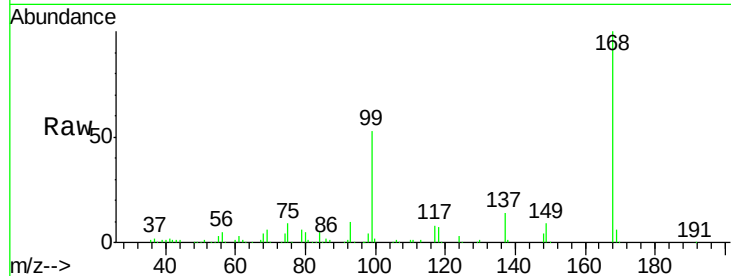
VD0621SBSD01

Tot Ion:168 Resp: 895929

Ion Ratio Lower Upper

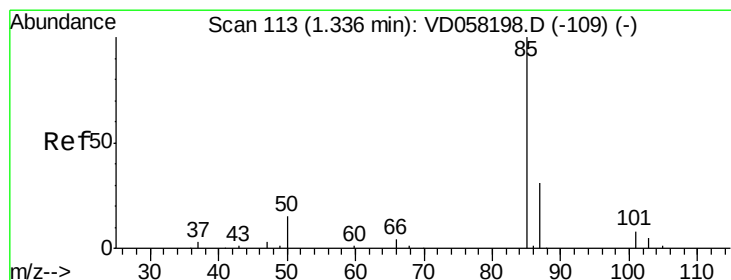
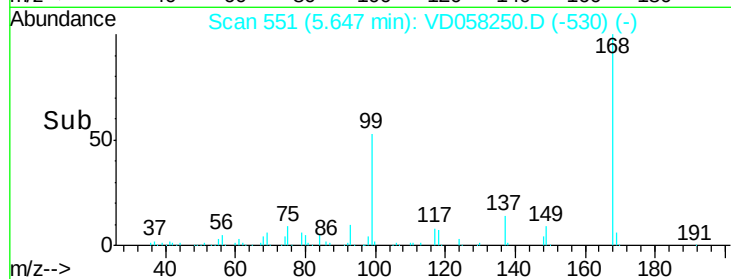
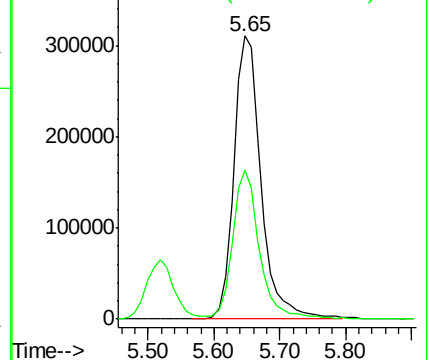
168 100

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: 26.11 ug/l

RT: 1.33 min Scan# 113

Delta R.T. -0.00 min

Lab File: VD058250.D

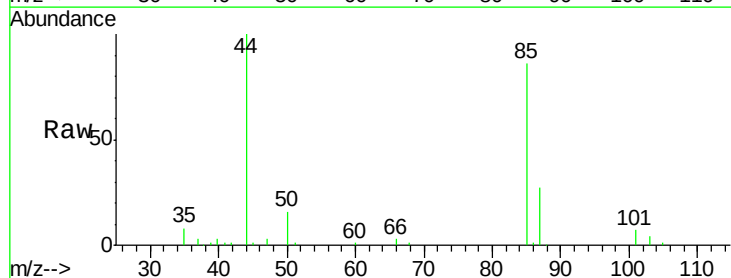
Acq: 21 Jun 2018 14:09

Tgt Ion: 85 Resp: 235417

Ion Ratio Lower Upper

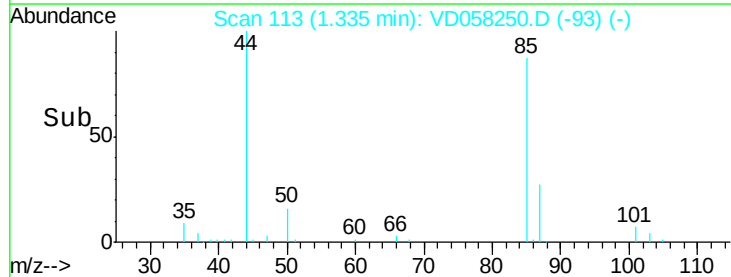
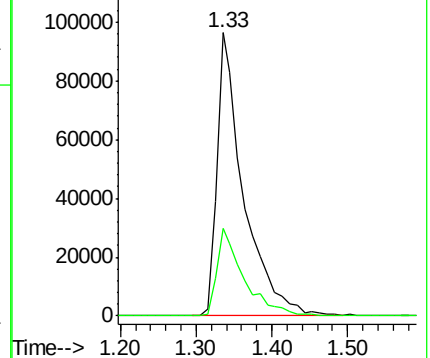
85 100

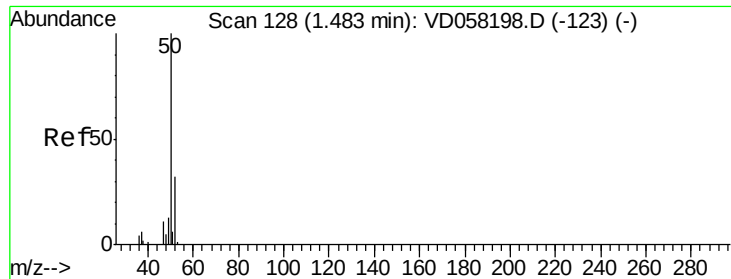
87 30.8 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 28.11 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 :

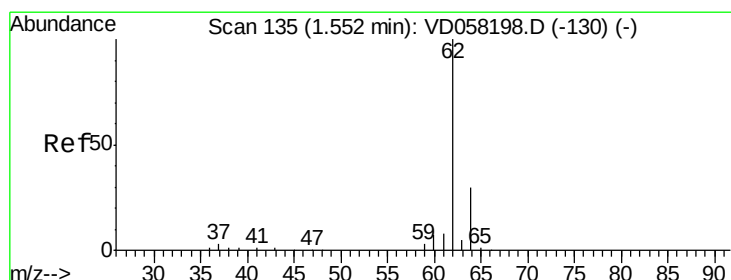
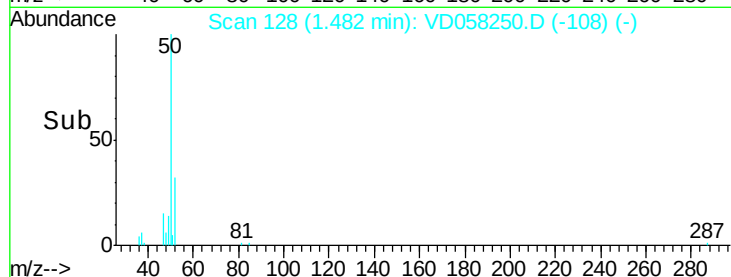
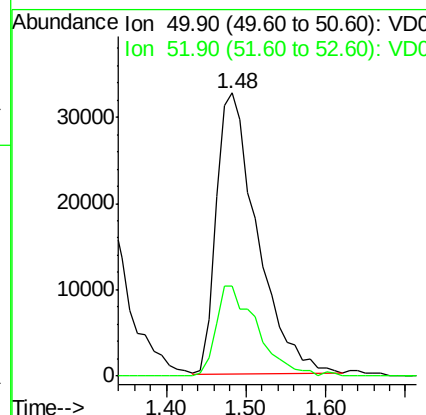
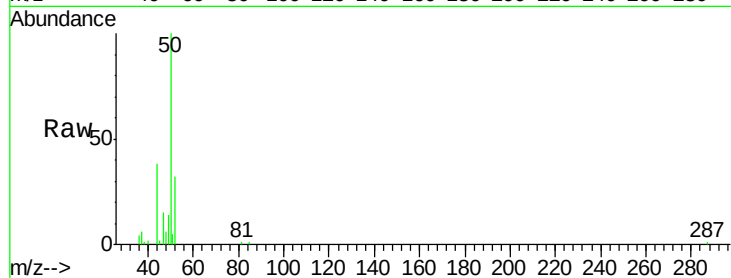
VD0621SBSD01

Tot Ion: 50 Resp: 117354

Ion Ratio Lower Upper

50 100

52 31.9 25.0 37.4



#4

Vinyl Chloride

Concen: 24.23 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058250.D

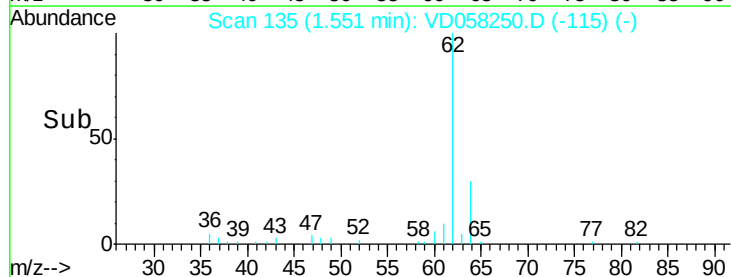
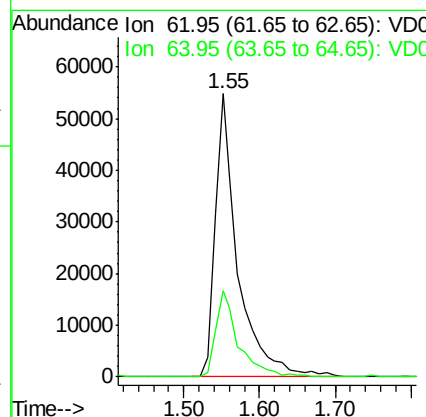
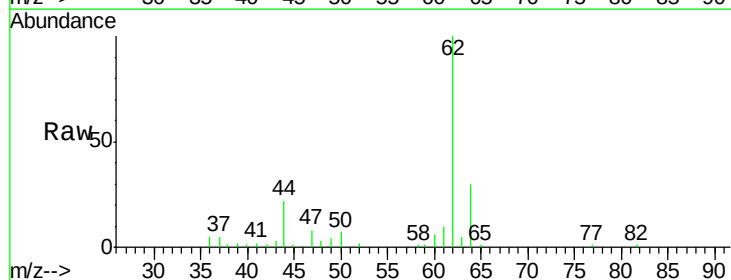
Acq: 21 Jun 2018 14:09

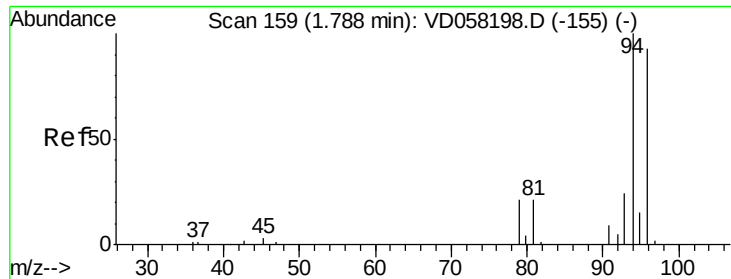
Tgt Ion: 62 Resp: 113728

Ion Ratio Lower Upper

62 100

64 30.5 24.4 36.6





#5

Bromomethane

Concen: 20.40 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 :

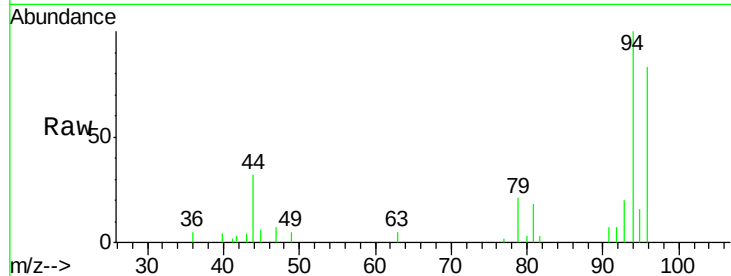
VD0621SBS01

Tot Ion: 94 Resp: 36044

Ion Ratio Lower Upper

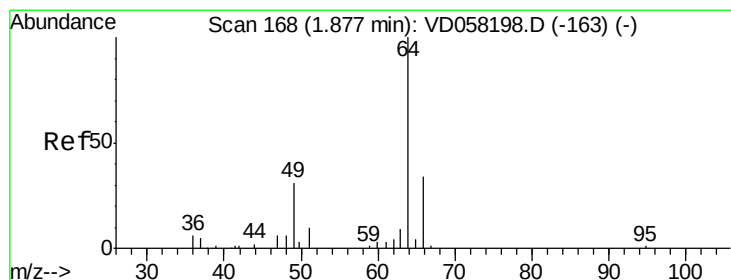
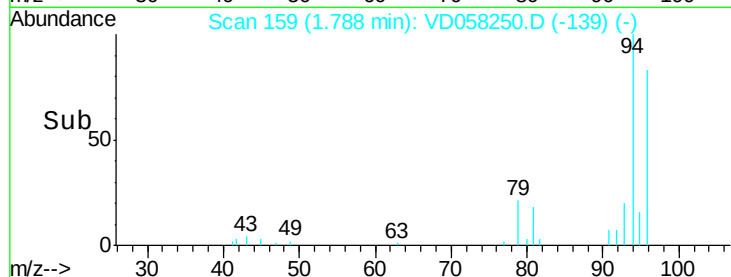
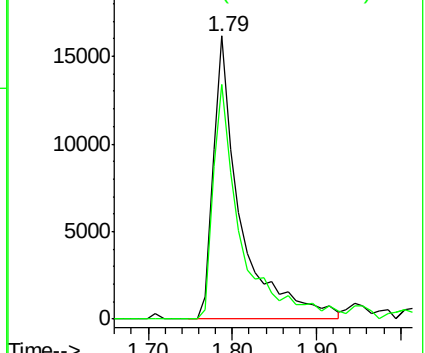
94 100

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: 21.88 ug/l

RT: 1.88 min Scan# 168

Delta R.T. -0.00 min

Lab File: VD058250.D

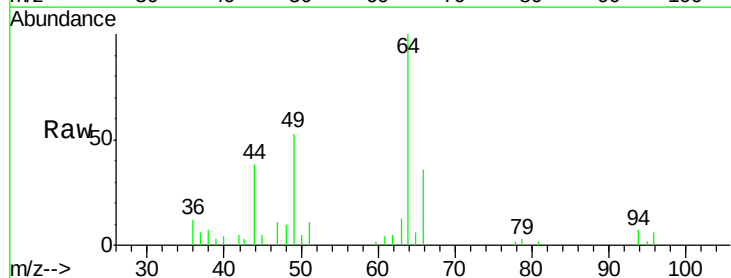
Acq: 21 Jun 2018 14:09

Tgt Ion: 64 Resp: 40081

Ion Ratio Lower Upper

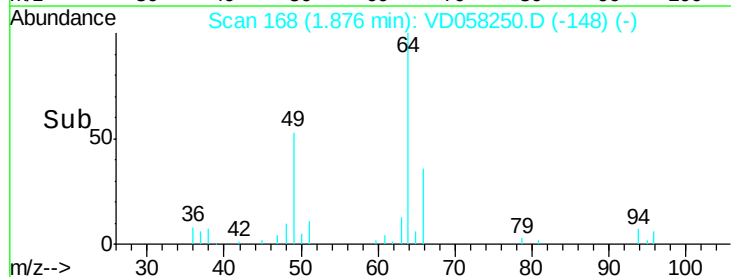
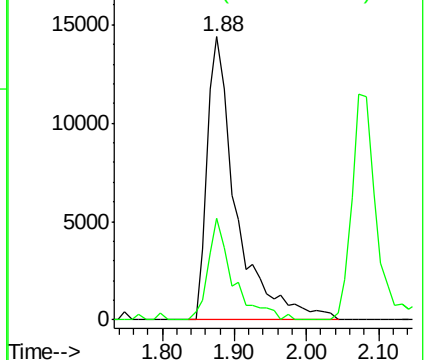
64 100

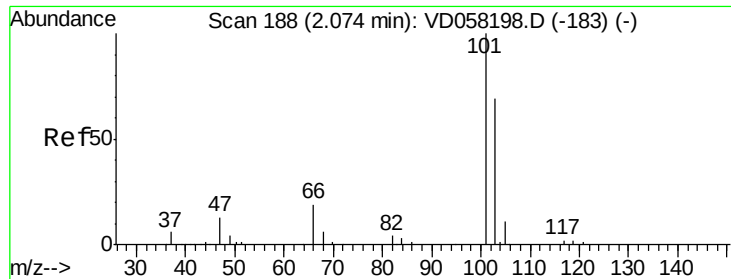
66 35.7 27.3 40.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



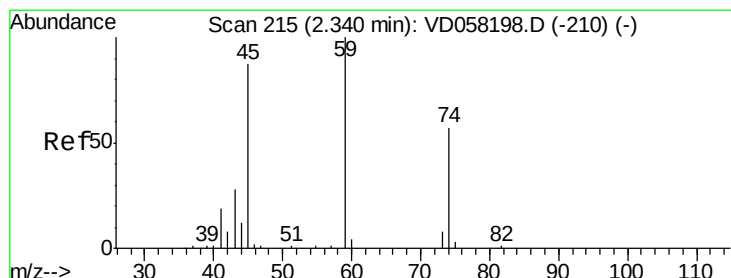
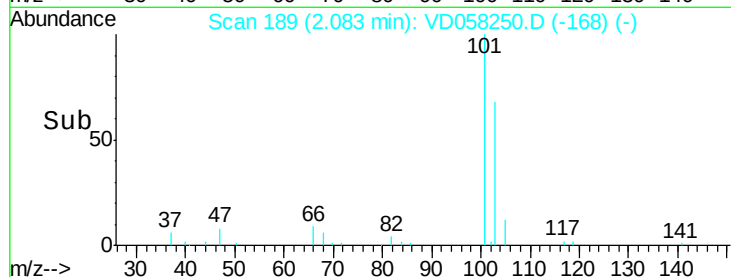
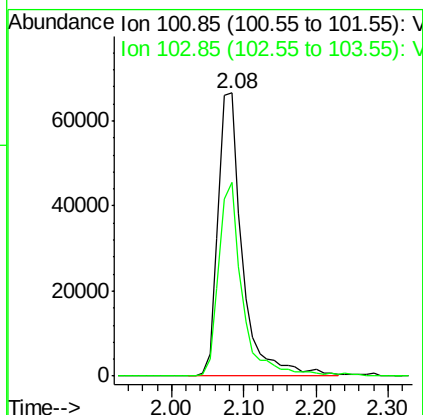
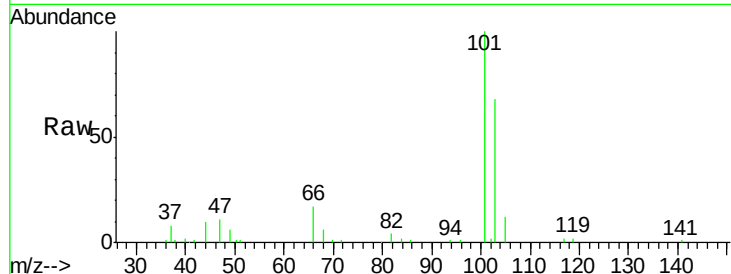


#7

Trichlorofluoromethane
Concen: 24.07 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

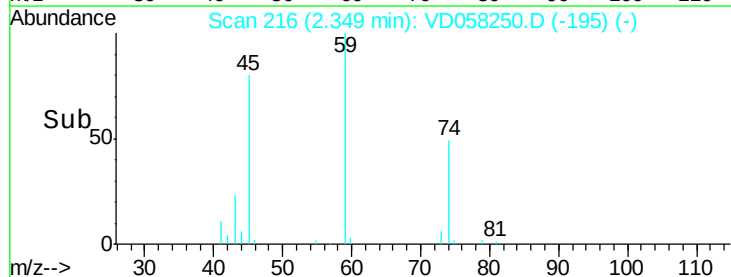
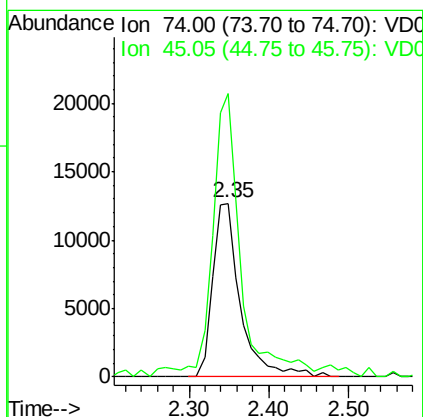
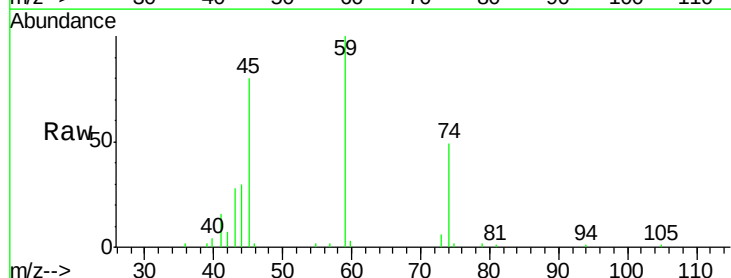
Tot Ion:101 Resp: 154911
Ion Ratio Lower Upper
101 100
103 68.3 55.1 82.7

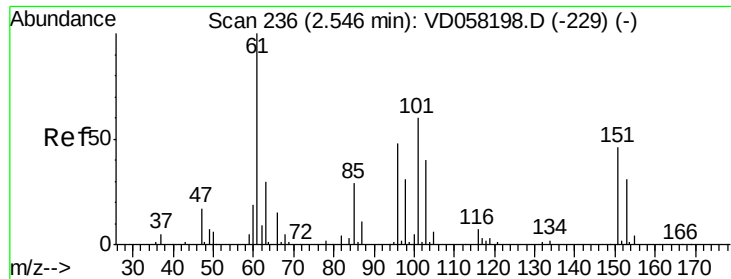


#8

Diethyl Ether
Concen: 22.69 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

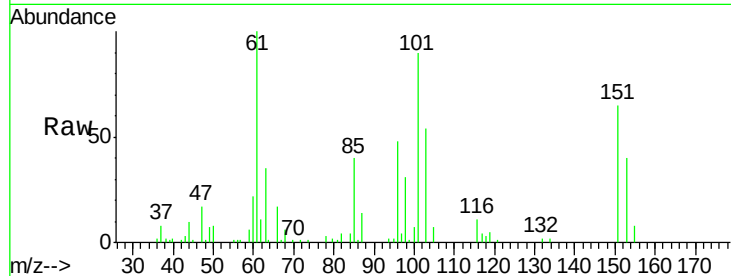




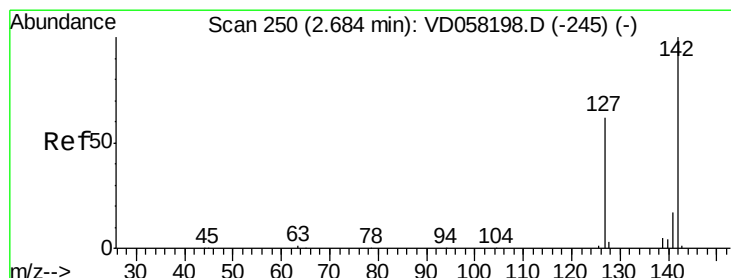
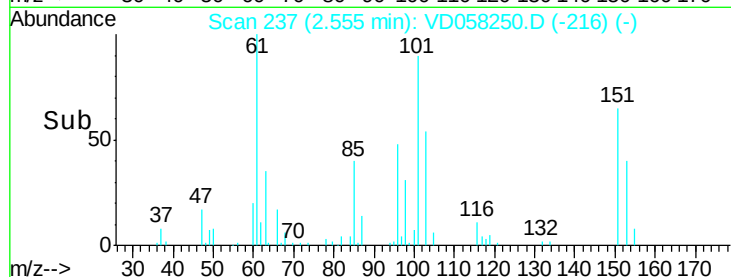
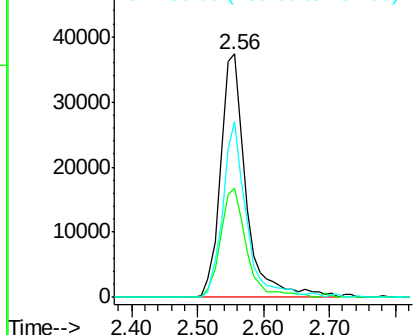
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.69 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

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 VD0621SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	39.0	58.4
151	72.1	61.8	92.8

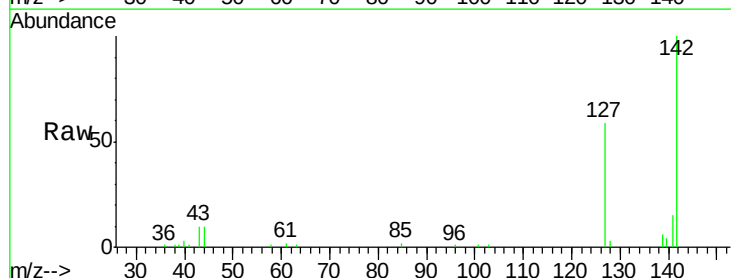


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

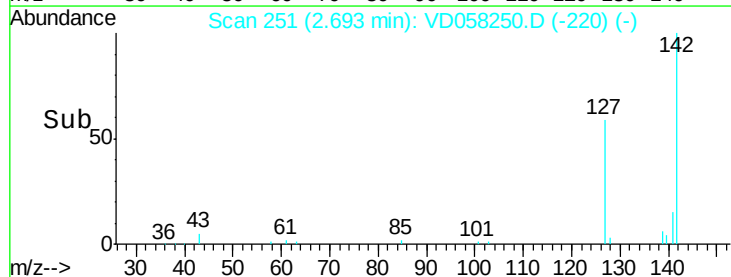
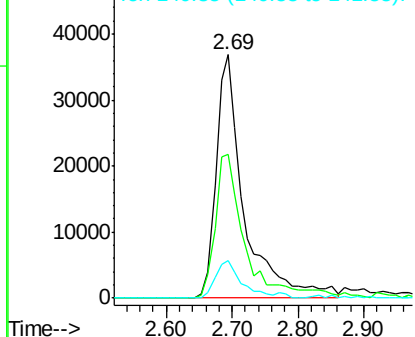


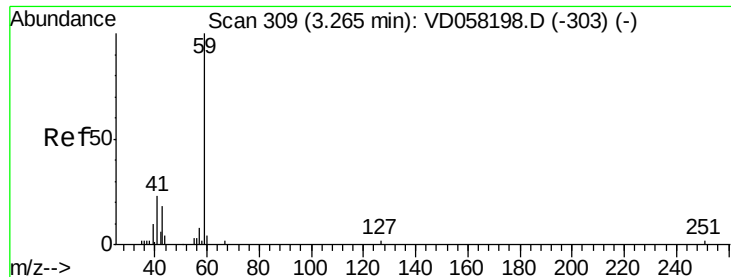
#10
 Methyl Iodide
 Concen: 23.20 ug/l
 RT: 2.69 min Scan# 251
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Tgt Ion	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



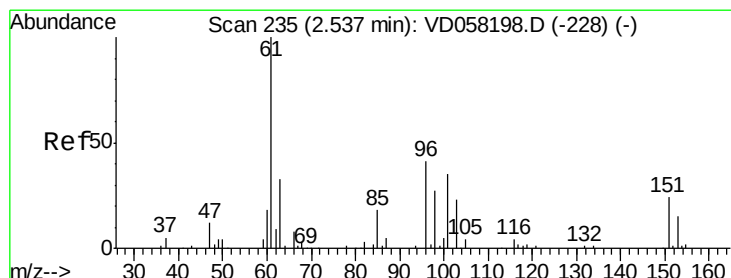
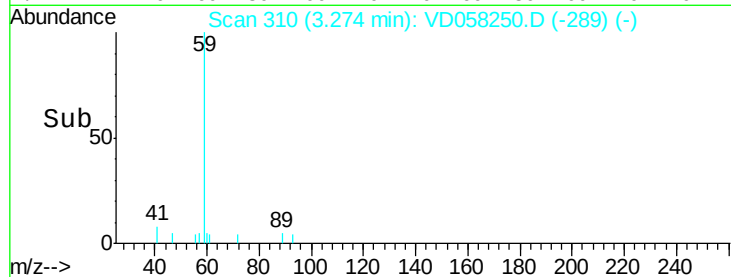
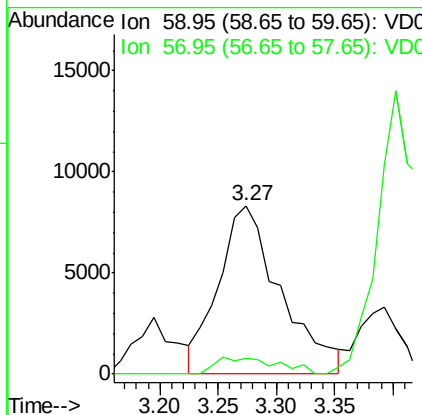
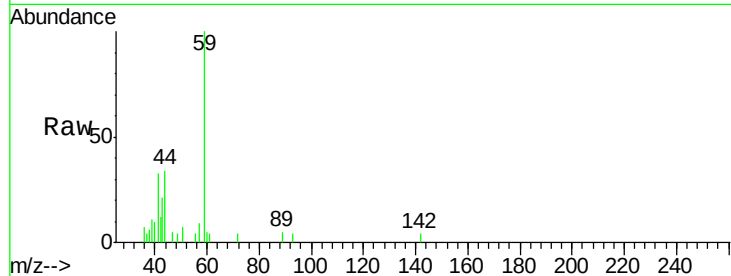


#11

Tert butyl alcohol
Concen: 103.19 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

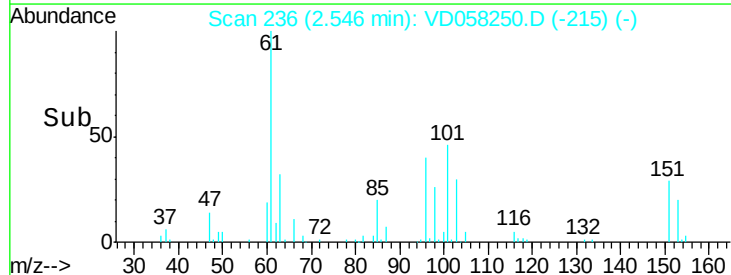
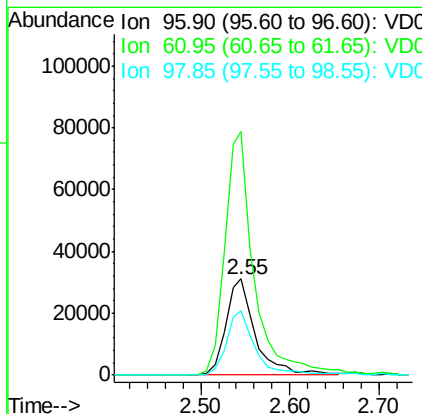
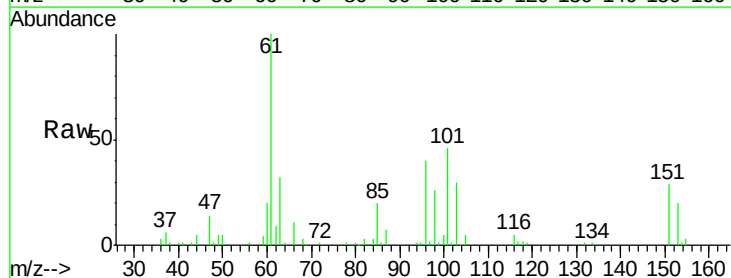
Tot Ion: 59 Resp: 30800
Ion Ratio Lower Upper
59 100
57 9.2 6.2 9.4

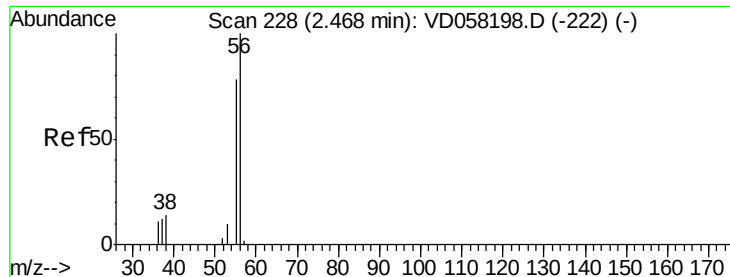


#12

1,1-Dichloroethene
Concen: 23.49 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: 128.73 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 :

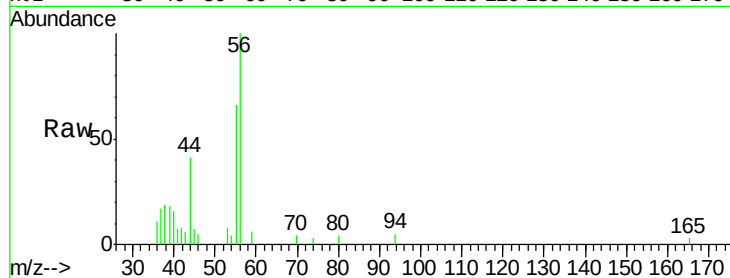
VD0621SBSD01

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

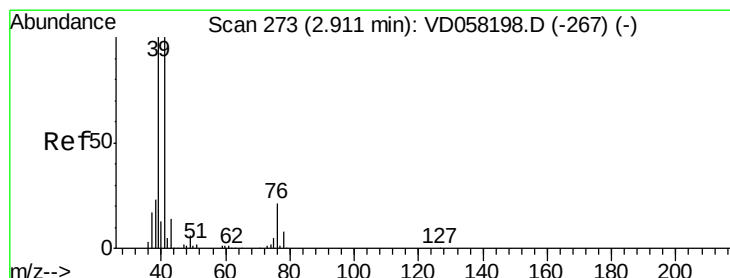
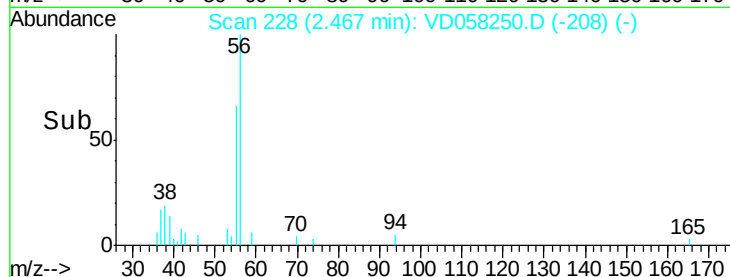
4000

2000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 23.20 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

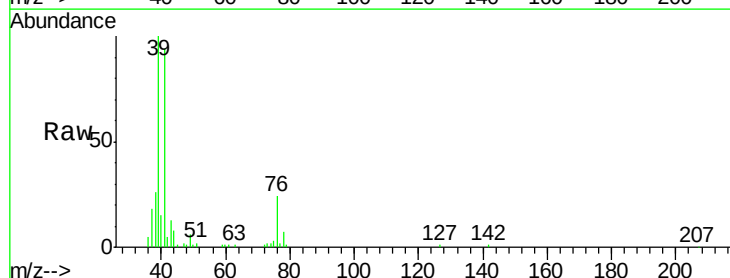
Tgt Ion: 41 Resp: 166215

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

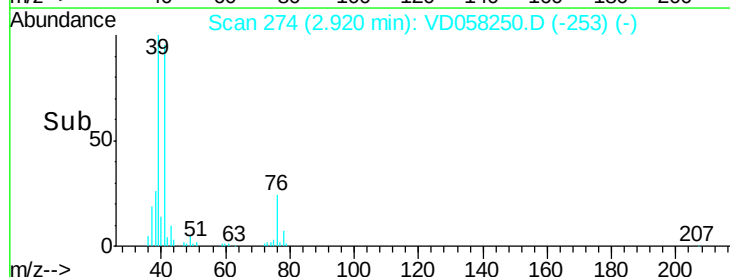
40000

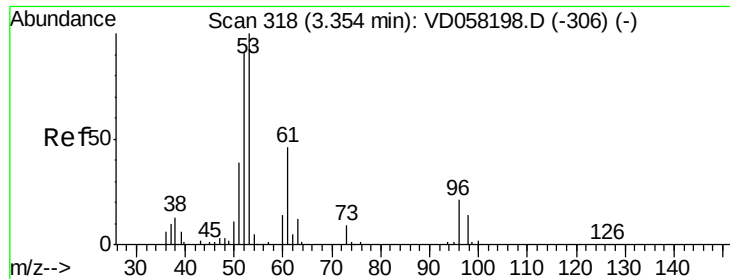
20000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 121.57 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 :

VD0621SBSD01

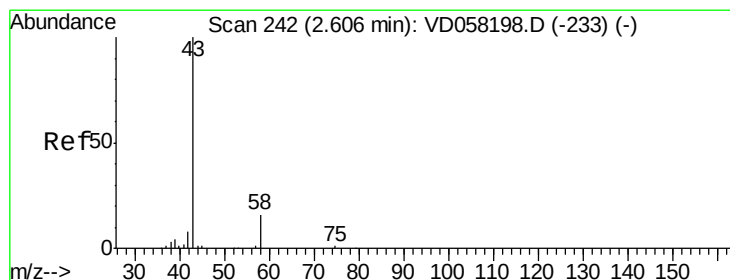
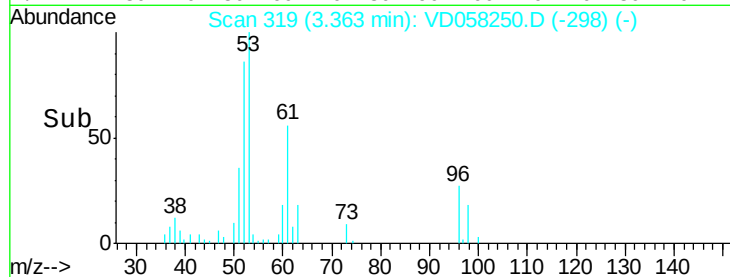
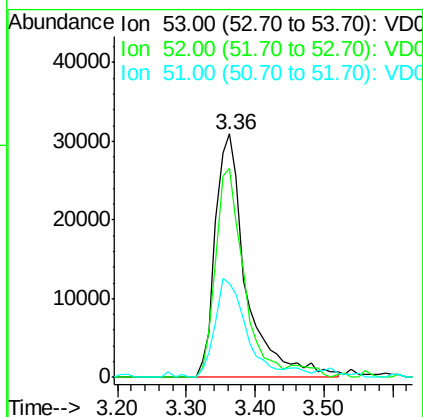
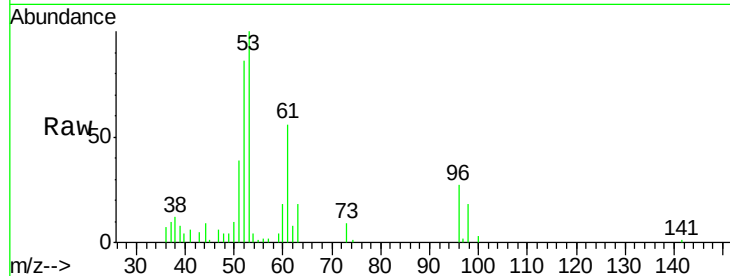
Tot Ion: 53 Resp: 96209

Ion Ratio Lower Upper

53 100

52 85.8 72.6 108.8

51 38.8 32.2 48.4



#16

Acetone

Concen: 113.85 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058250.D

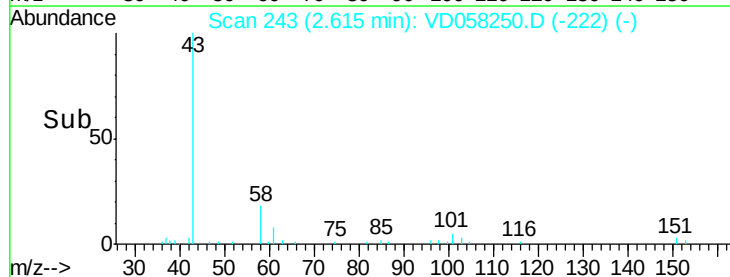
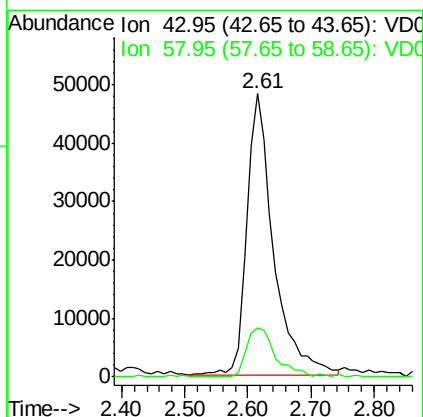
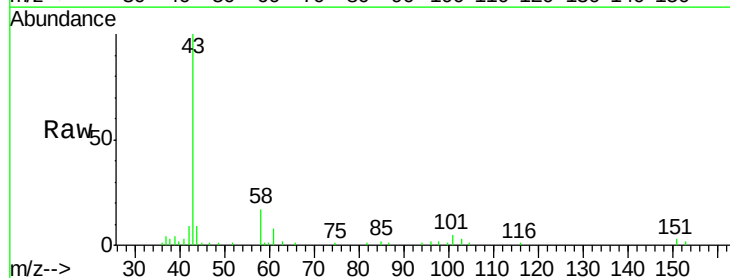
Acq: 21 Jun 2018 14:09

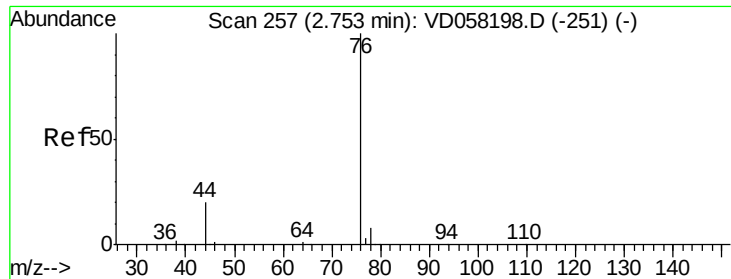
Tgt Ion: 43 Resp: 140898

Ion Ratio Lower Upper

43 100

58 17.2 12.7 19.1

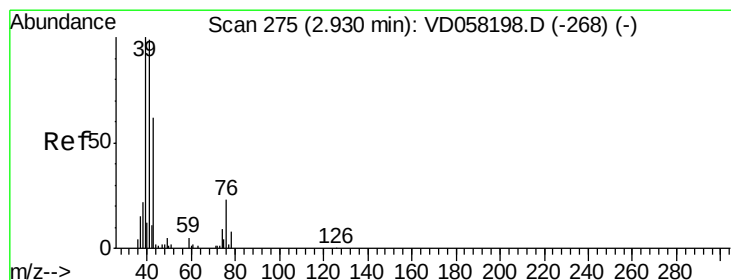
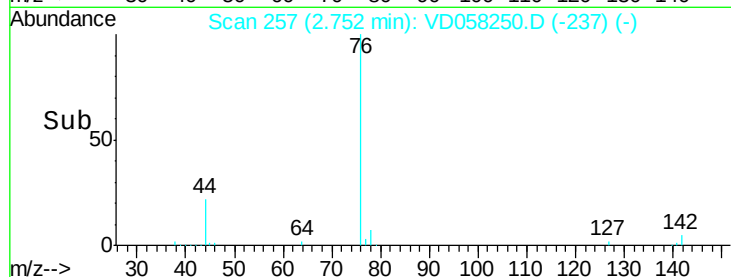
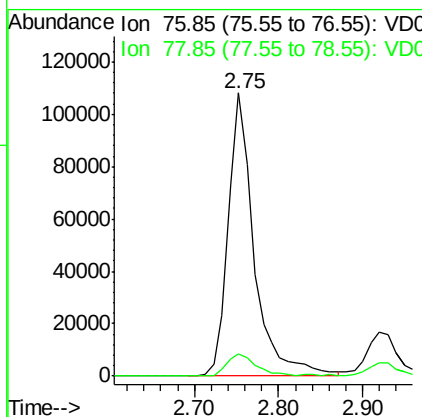
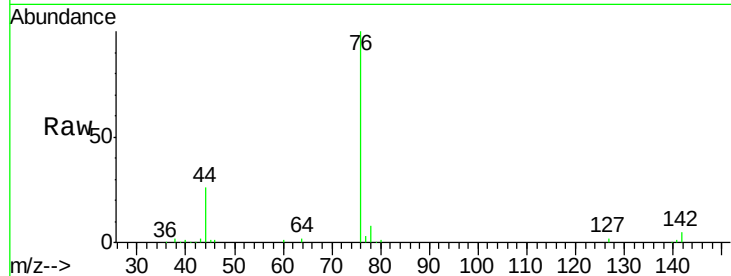




#17
Carbon Disulfide
Concen: 22.16 ug/l
RT: 2.75 min Scan# 257
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

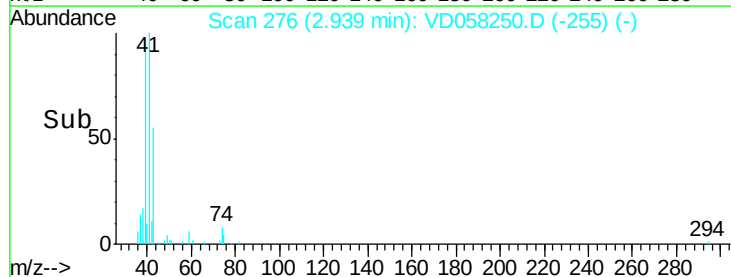
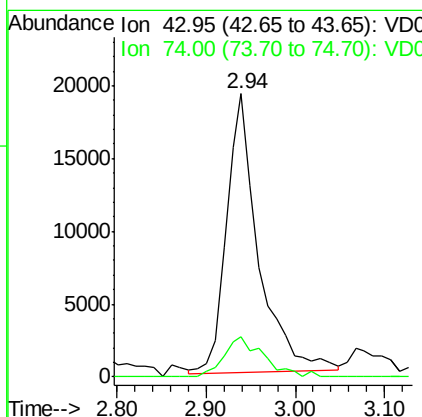
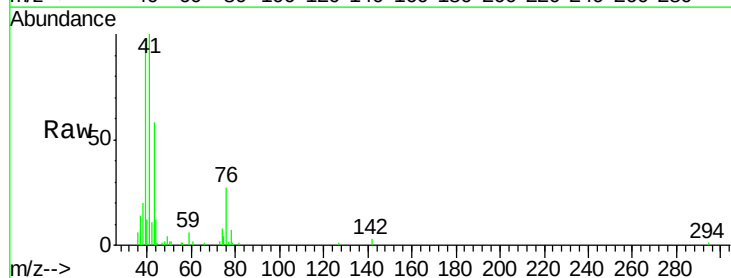
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

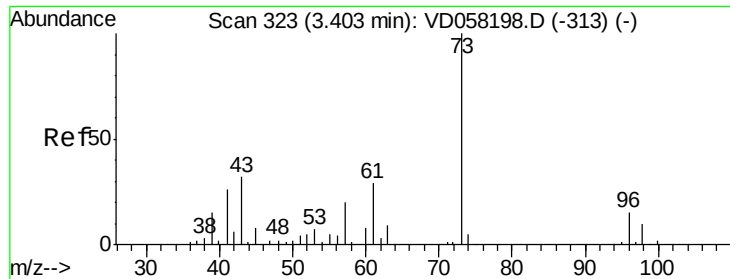
Tot Ion: 76 Resp: 232074
Ion Ratio Lower Upper
76 100
78 7.8 6.8 10.2



#18
Methyl Acetate
Concen: 18.36 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

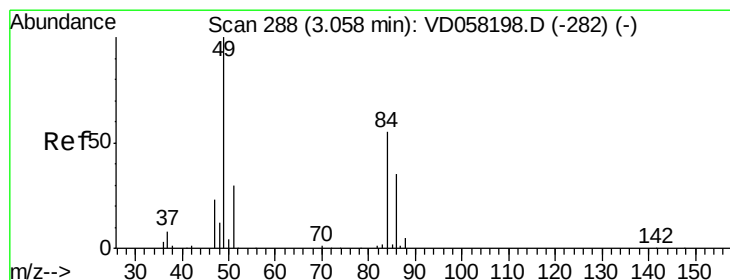
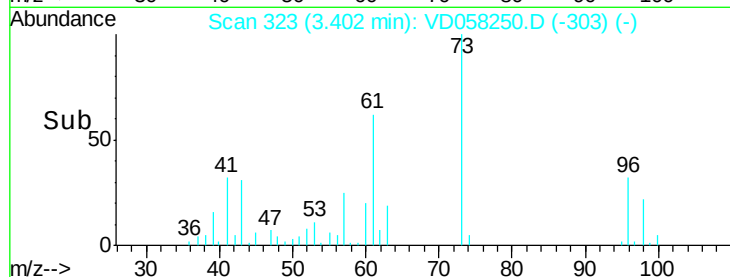
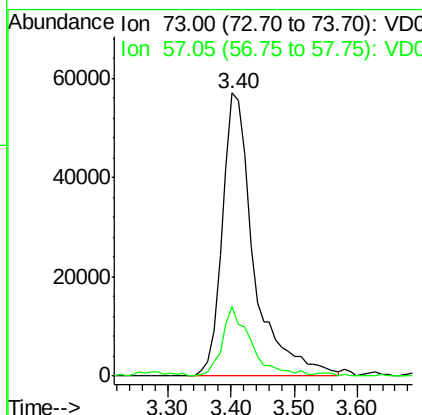
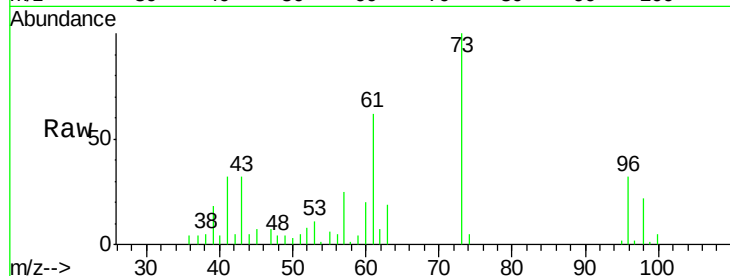




#19
Methyl tert-butyl Ether
Concen: 24.37 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

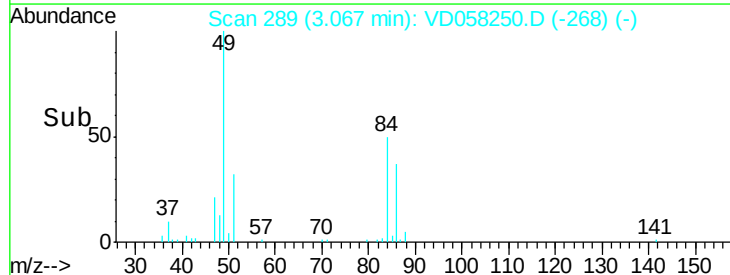
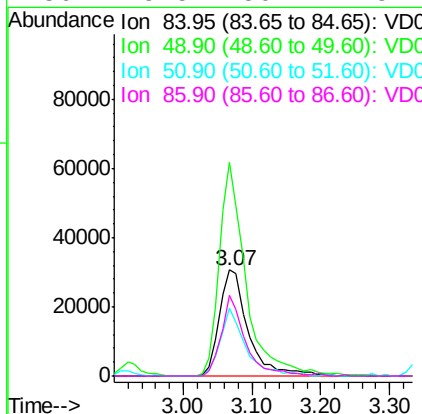
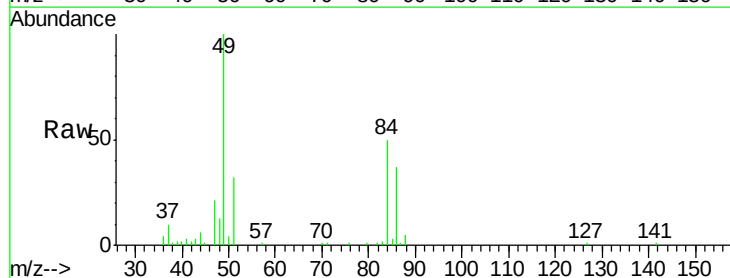
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

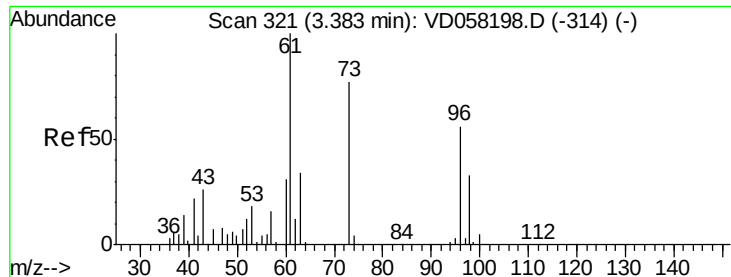
Tot Ion: 73 Resp: 198985
Ion Ratio Lower Upper
73 100
57 24.5 16.6 24.8



#20
Methylene Chloride
Concen: 25.10 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: 22.61 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 :

VD0621SBS01

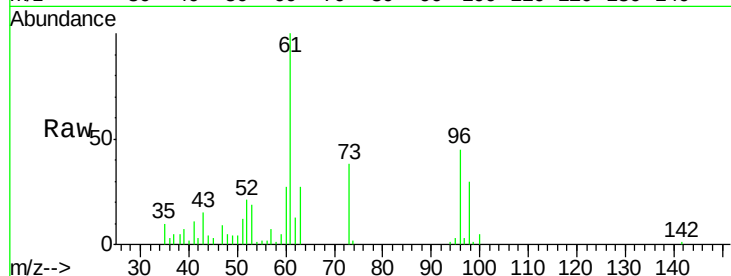
Tot Ion: 96 Resp: 76065

Ion Ratio Lower Upper

96 100

61 220.4 143.8 215.6#

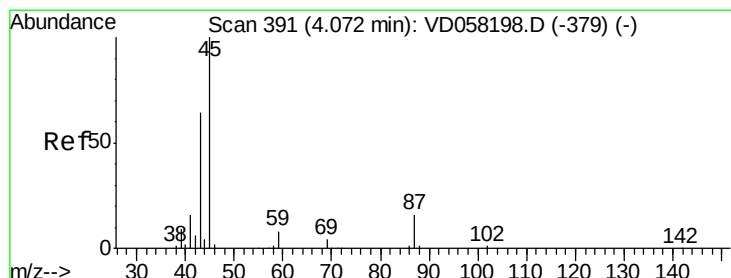
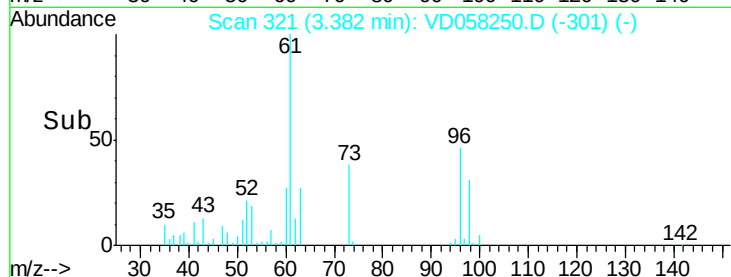
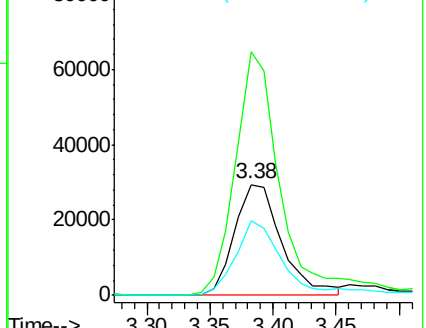
98 67.1 48.0 72.0



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: 23.02 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

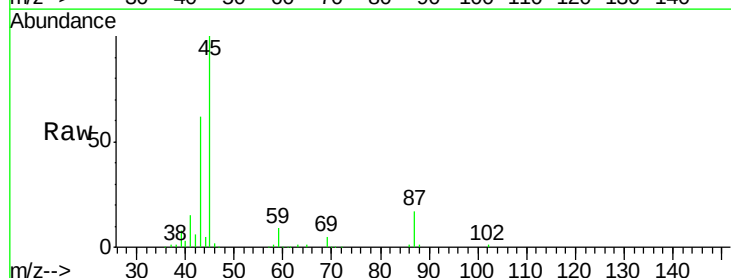
Ion Ratio Lower Upper

45 100

43 62.3 51.4 77.0

87 16.9 13.0 19.4

59 8.8 6.9 10.3

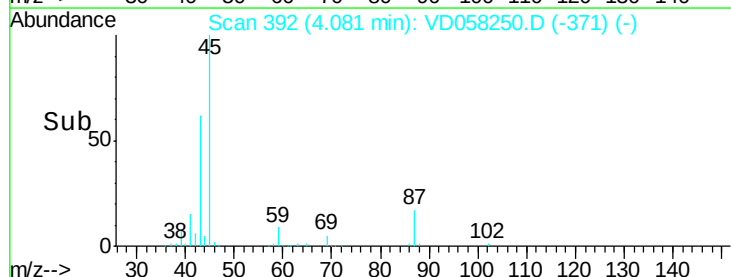
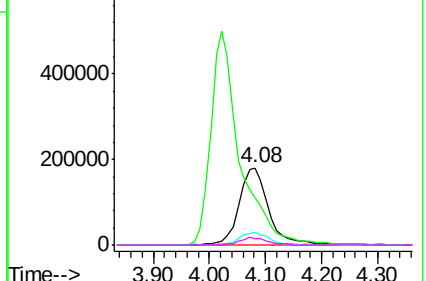


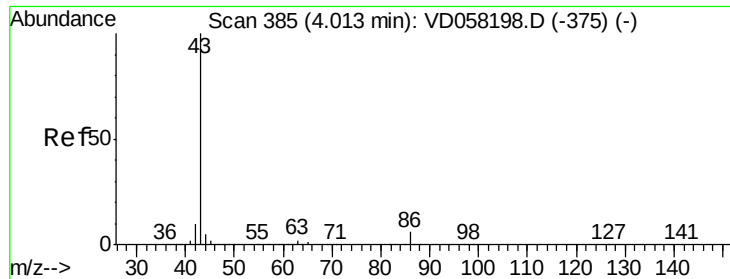
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 118.07 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 :

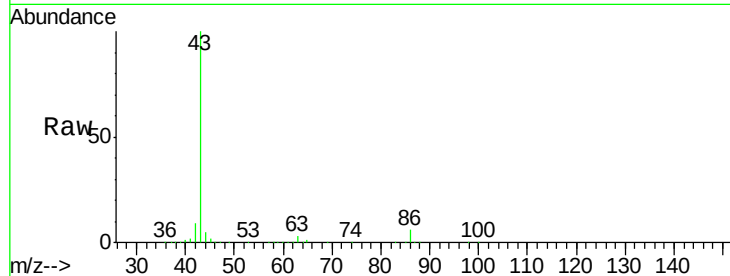
VD0621SBS01

Tot Ion: 43 Resp: 1800896

Ion Ratio Lower Upper

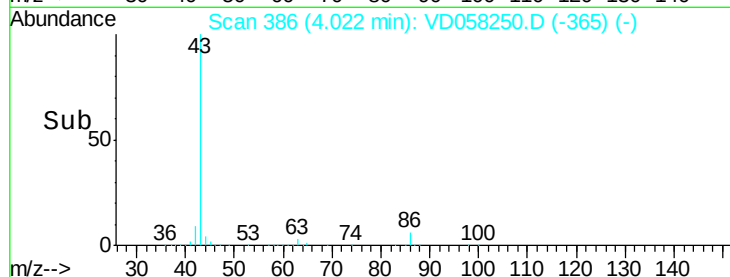
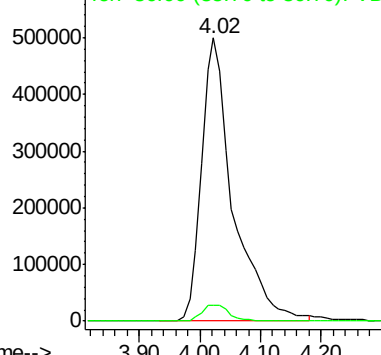
43 100

86 5.6 5.0 7.4

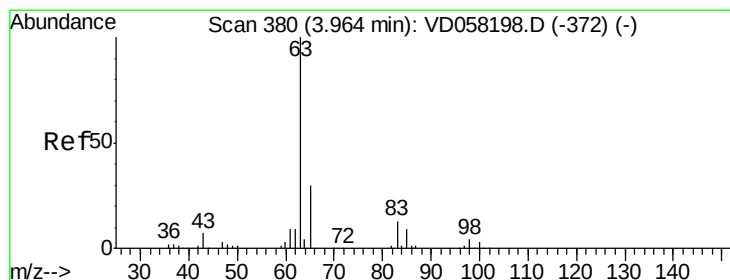


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 24.31 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

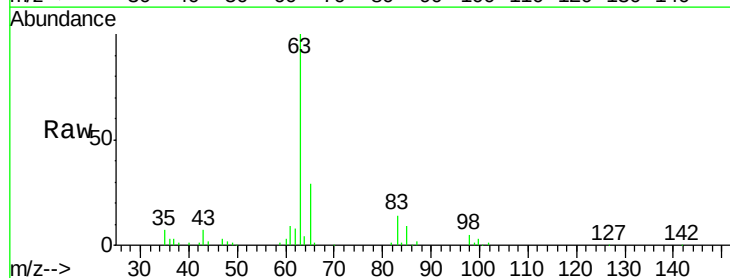
Tgt Ion: 63 Resp: 372594

Ion Ratio Lower Upper

63 100

98 4.9 1.9 5.7

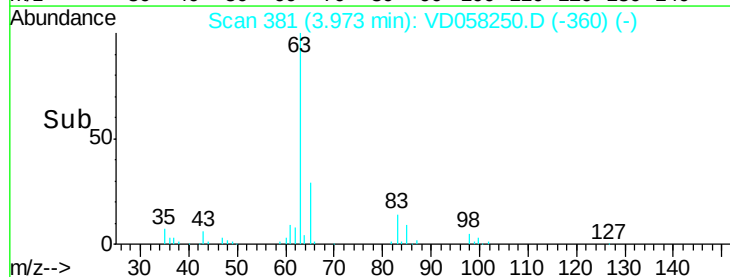
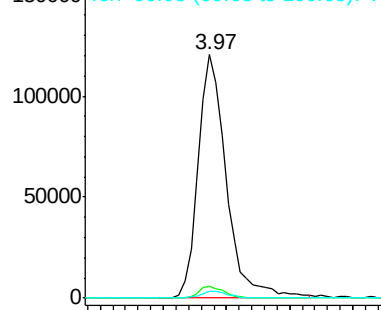
100 2.9 1.3 3.9



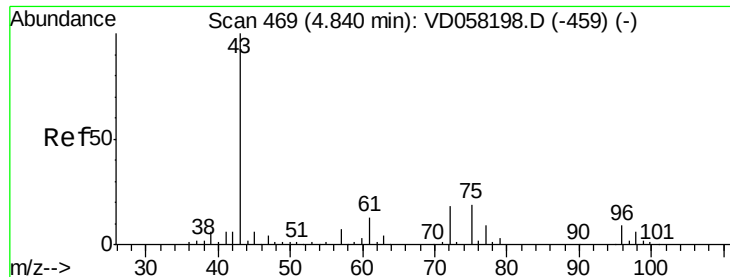
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->



#25

2-Butanone

Concen: 110.40 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 :

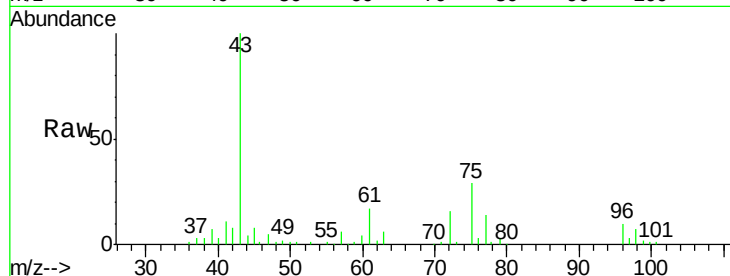
VD0621SBSD01

Tot Ion: 43 Resp: 297791

Ion Ratio Lower Upper

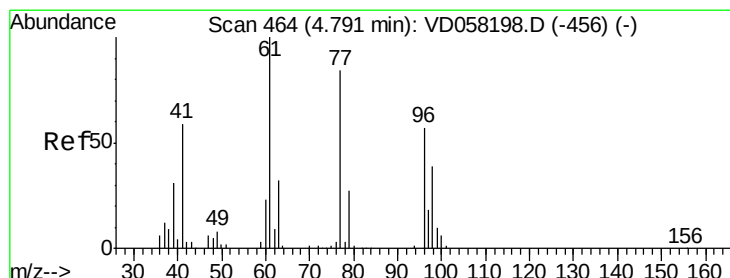
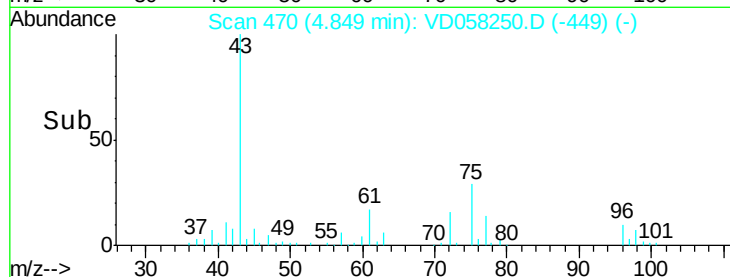
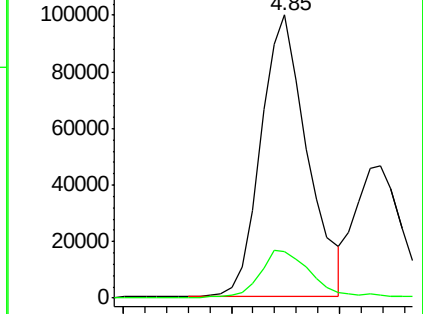
43 100

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: 24.58 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD058250.D

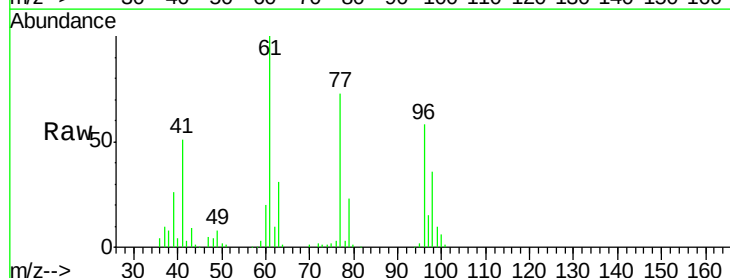
Acq: 21 Jun 2018 14:09

Tgt Ion: 77 Resp: 315507

Ion Ratio Lower Upper

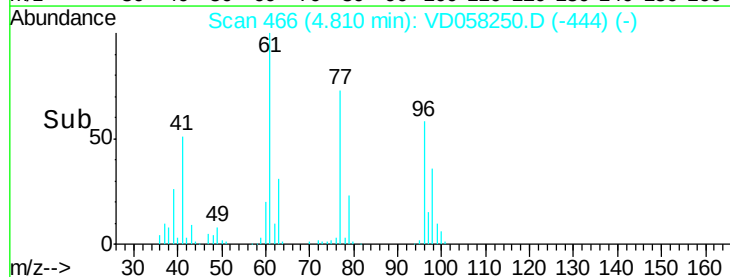
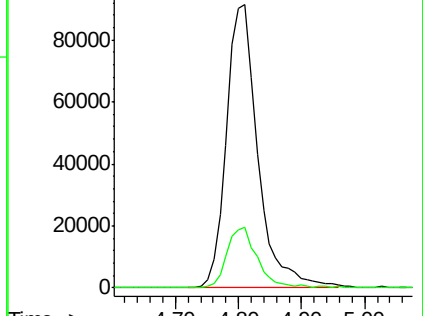
77 100

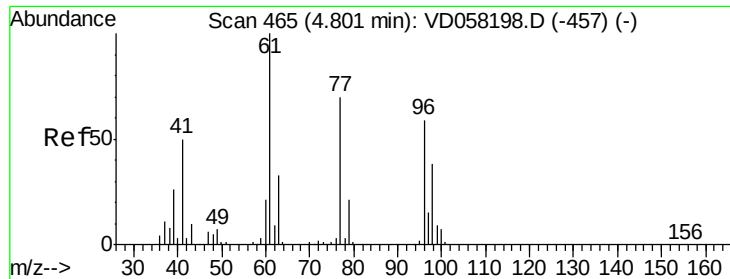
97 21.2 10.5 31.6



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: 24.67 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

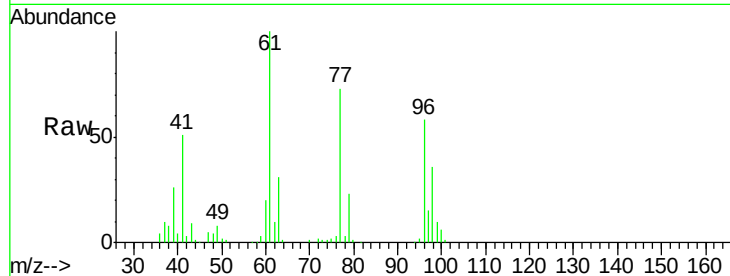
Tot Ion: 96 Resp: 207402

Ion Ratio Lower Upper

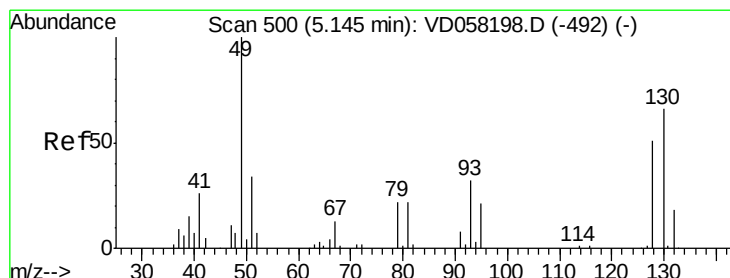
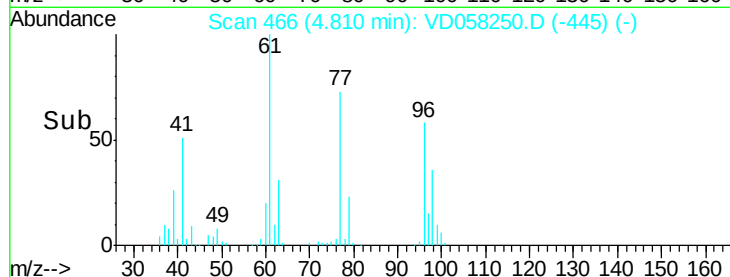
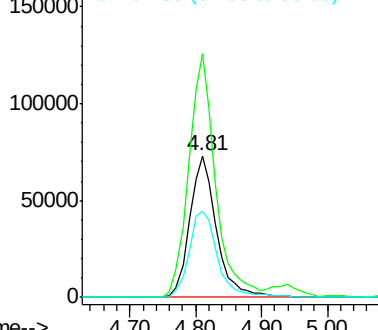
96 100

61 171.7 0.0 338.6

98 61.1 0.0 130.2



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



#28

Bromochloromethane

Concen: 22.05 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

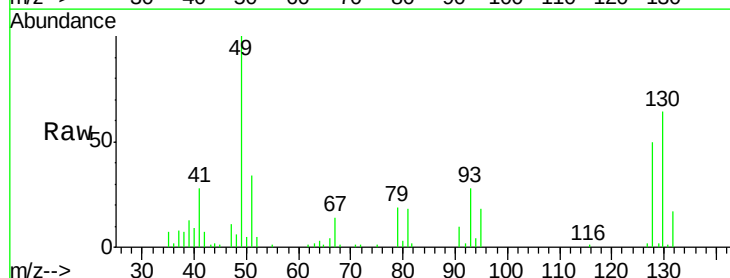
Tgt Ion: 49 Resp: 151485

Ion Ratio Lower Upper

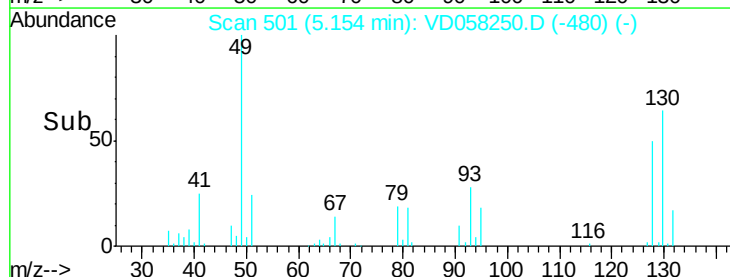
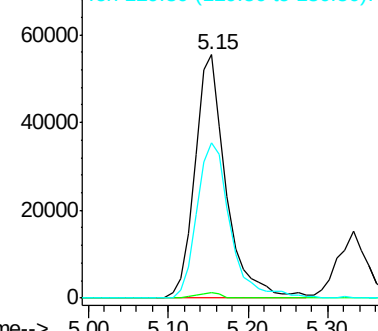
49 100

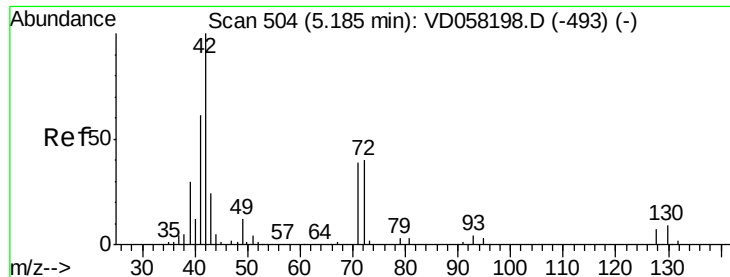
129 2.3 0.0 0.0#

130 63.7 52.6 79.0



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

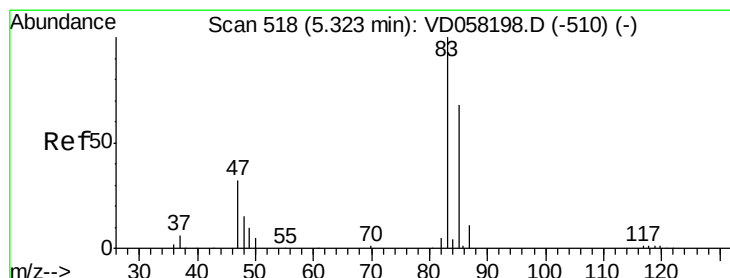
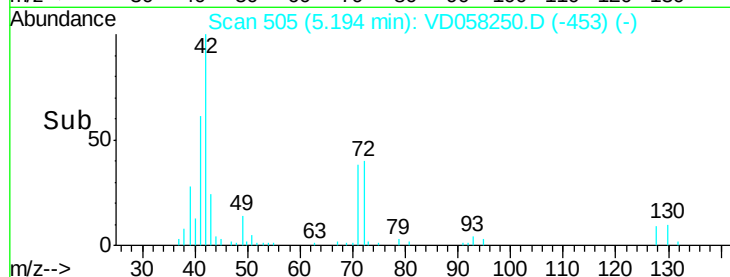
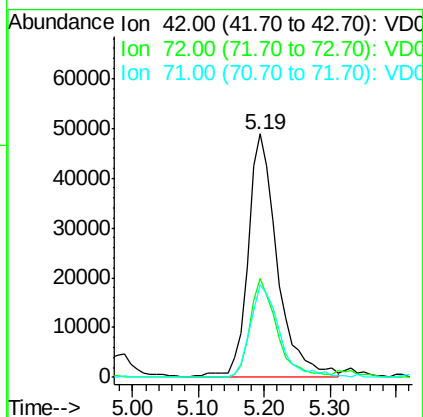
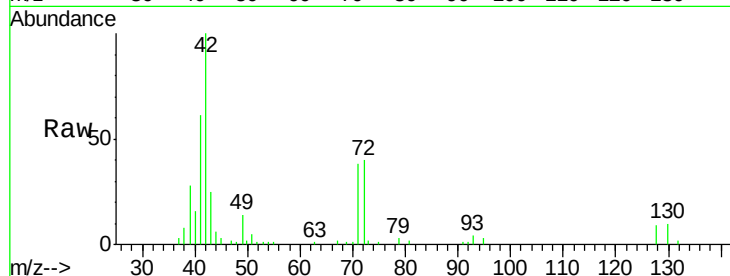




#29
Tetrahydrofuran
Concen: 106.32 ug/l
RT: 5.19 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

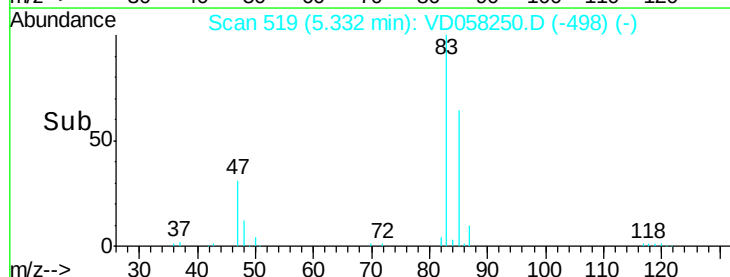
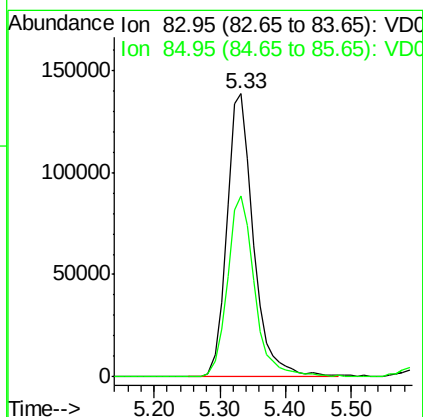
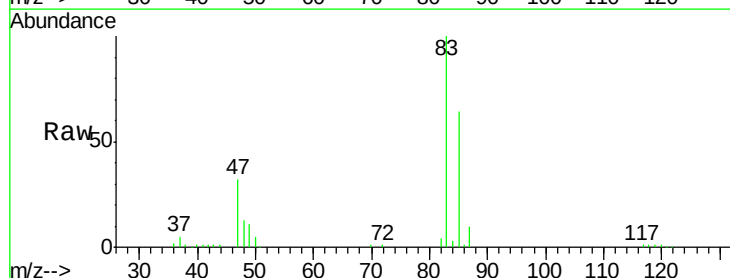
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

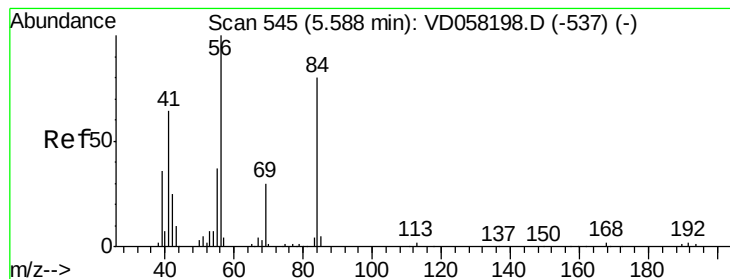
Tot Ion: 42 Resp: 152648
Ion Ratio Lower Upper
42 100
72 36.8 30.2 45.2
71 38.1 30.1 45.1



#30
Chloroform
Concen: 24.26 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: 23.79 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

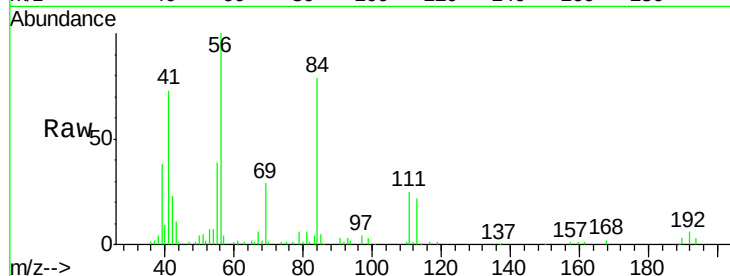
Tot Ion: 56 Resp: 295280

Ion Ratio Lower Upper

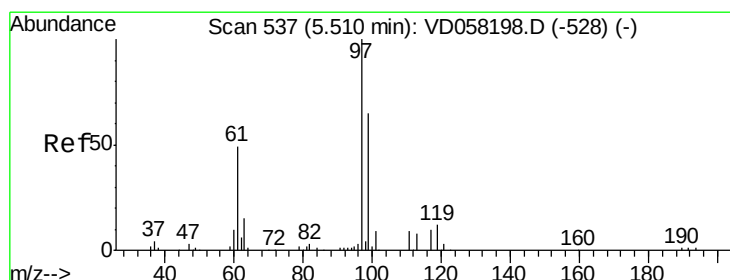
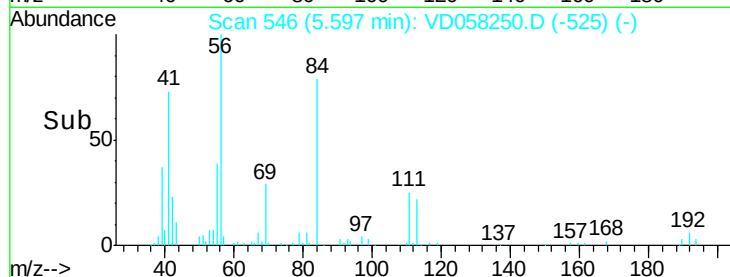
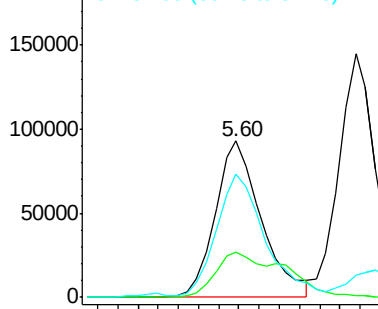
56 100

69 28.7 23.6 35.4

84 79.0 65.2 97.8



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



#32

1,1,1-Trichloroethane

Concen: 23.60 ug/l

RT: 5.52 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

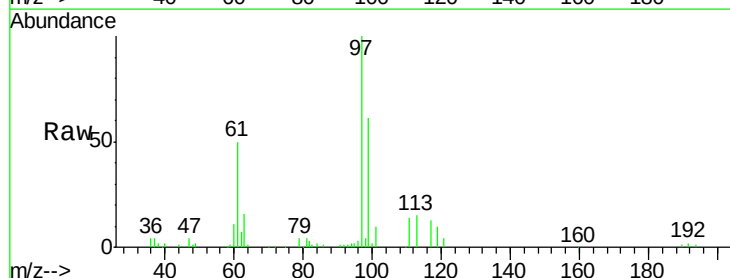
Tgt Ion: 97 Resp: 315558

Ion Ratio Lower Upper

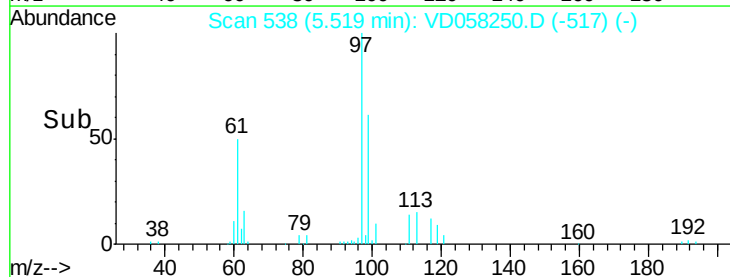
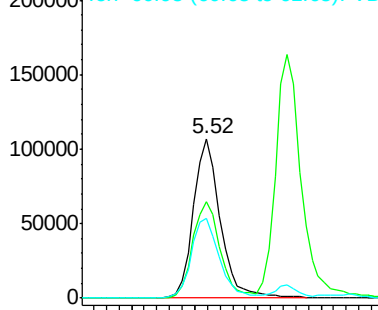
97 100

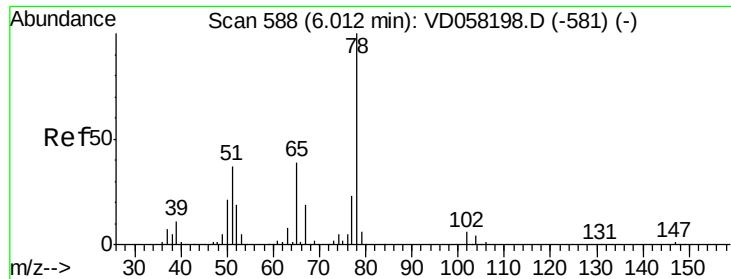
99 60.7 52.2 78.4

61 49.6 39.0 58.4



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

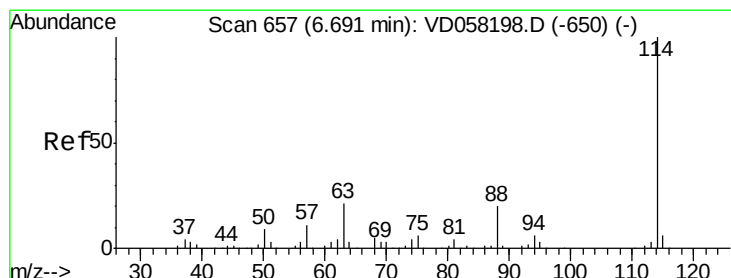
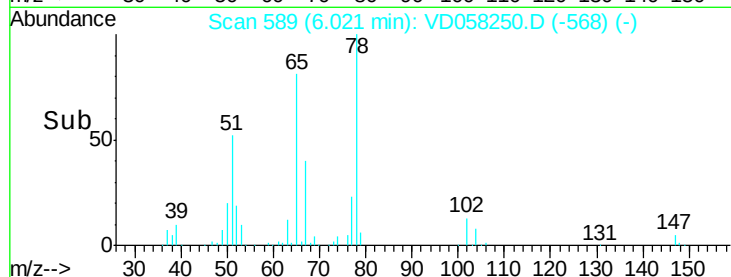
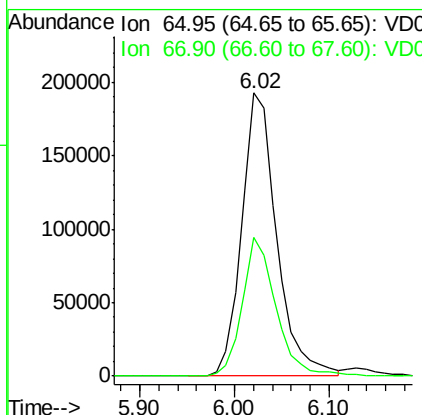
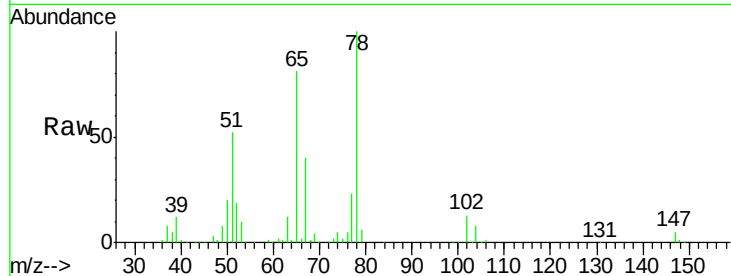




#33
 1,2-Dichloroethane-d4
 Concen: 23.60 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

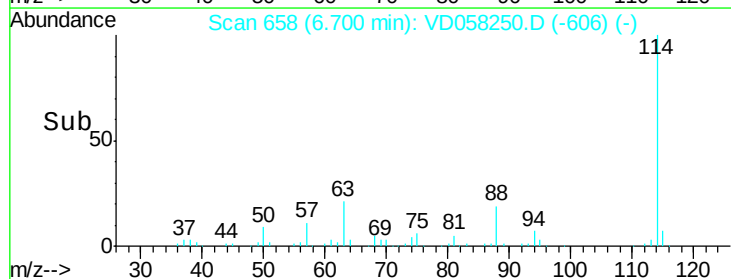
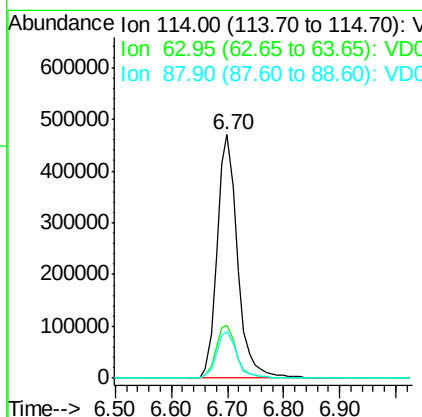
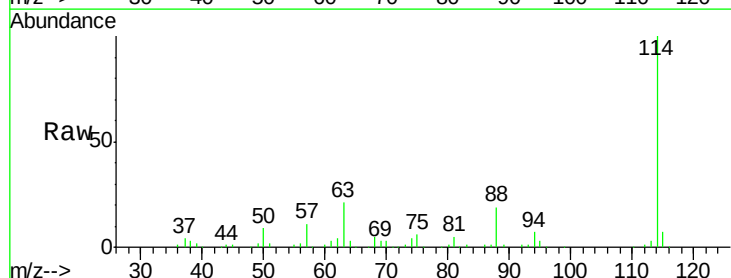
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

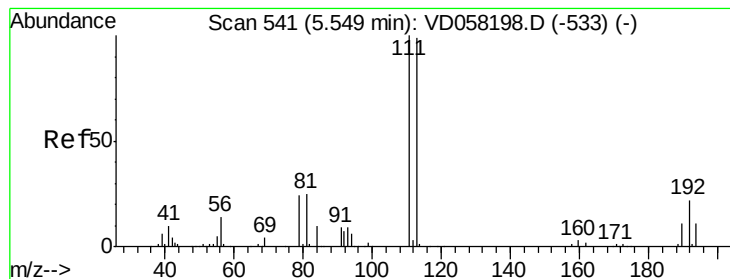
Tot Ion: 65 Resp: 493672
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 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: 50.00 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

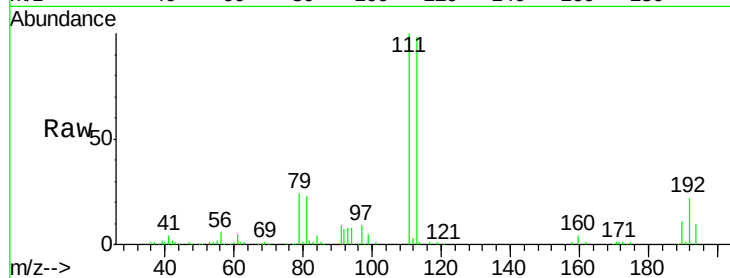
Tot Ion:113 Resp: 503256

Ion Ratio Lower Upper

113 100

111 102.3 80.6 121.0

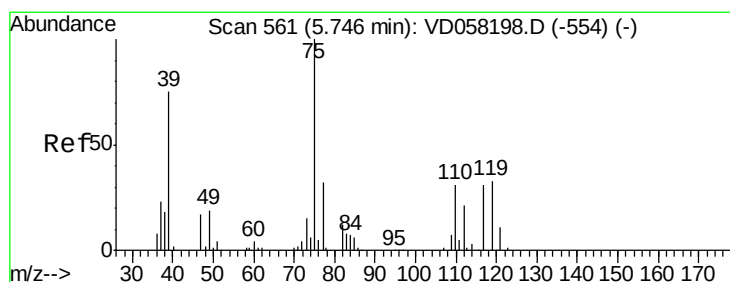
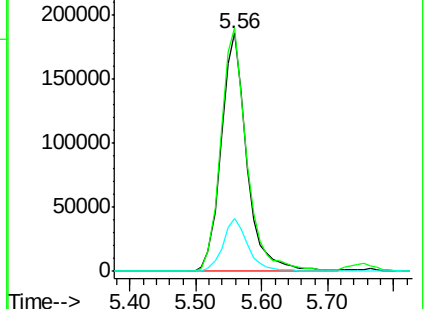
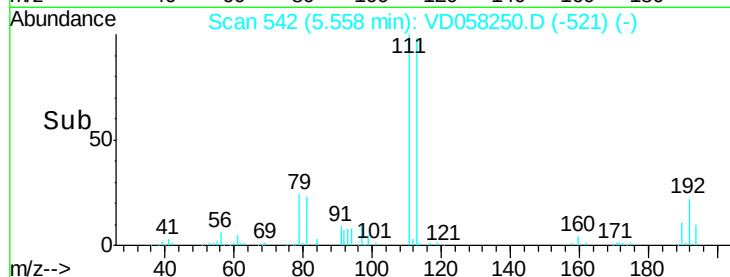
192 22.3 17.8 26.6



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: 23.41 ug/l

RT: 5.75 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

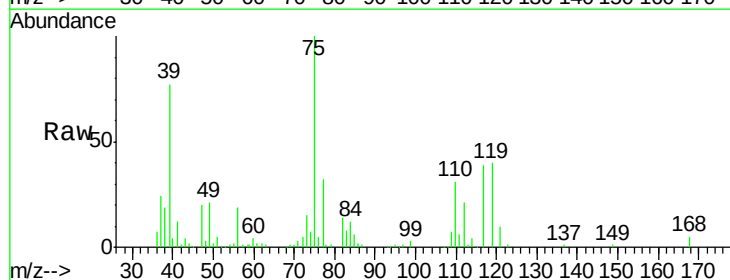
Tgt Ion: 75 Resp: 276655

Ion Ratio Lower Upper

75 100

110 30.6 15.4 46.4

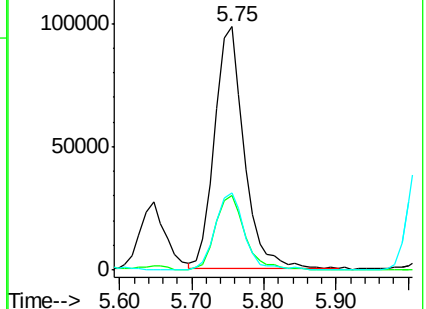
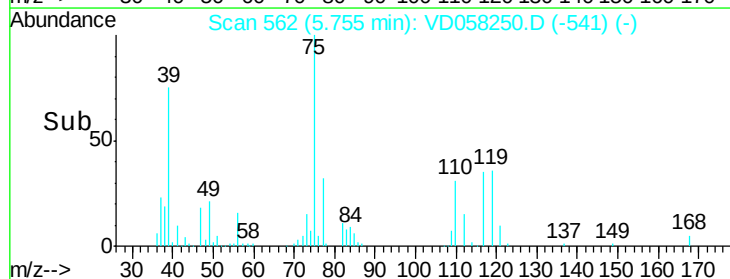
77 31.8 25.4 38.2

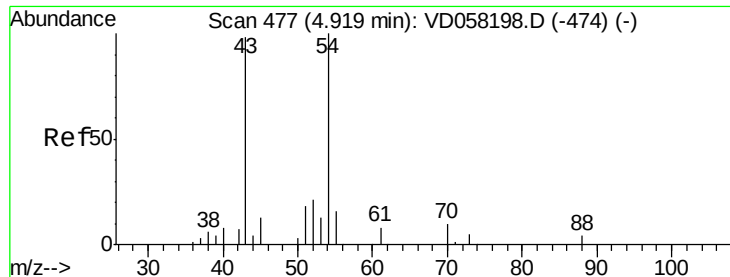


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 21.50 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

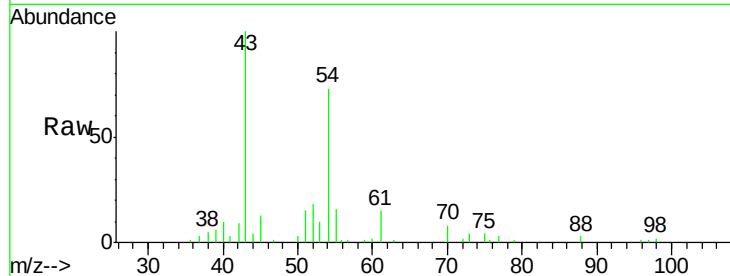
Tot Ion: 43 Resp: 144777

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

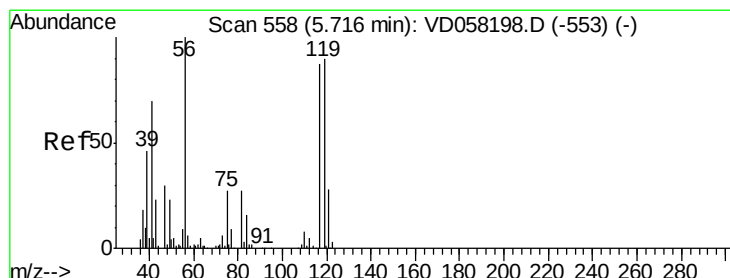
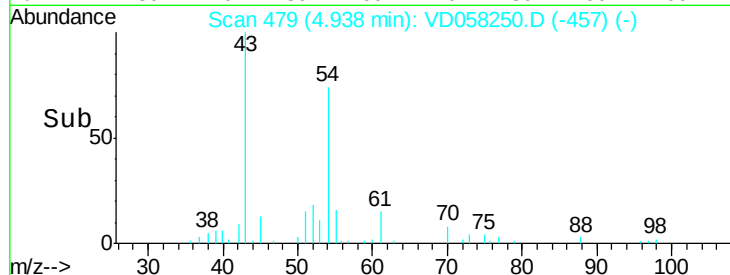
100000

50000

0

4.90 4.94 5.00 5.10

Time-->



#38

Carbon Tetrachloride

Concen: 22.60 ug/l

RT: 5.74 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

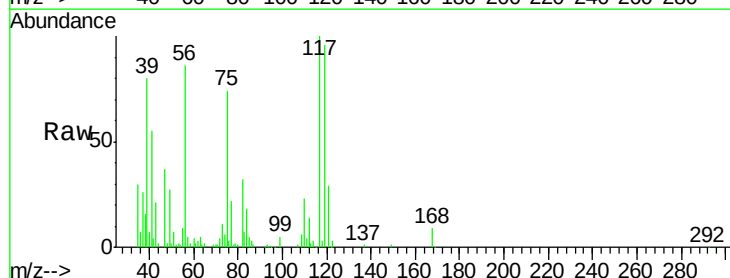
Tgt Ion: 117 Resp: 265336

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

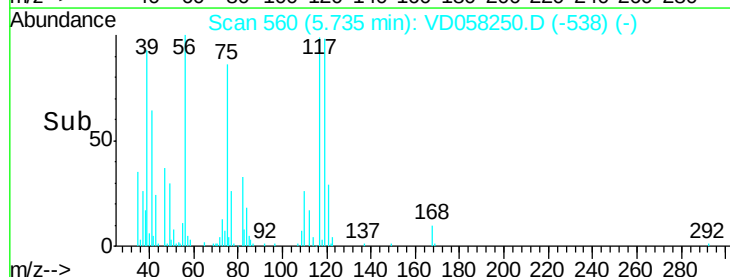
40000

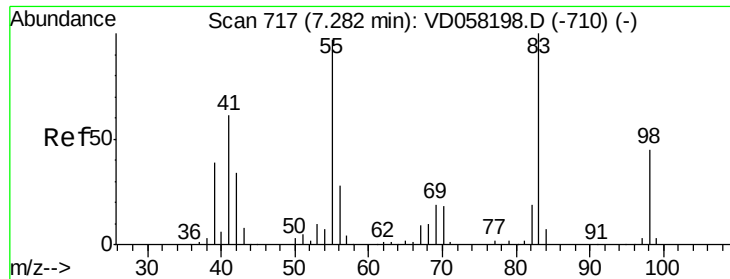
20000

0

5.60 5.70 5.74 5.80 5.90

Time-->

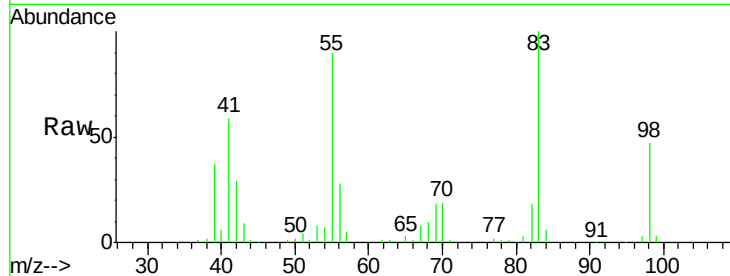




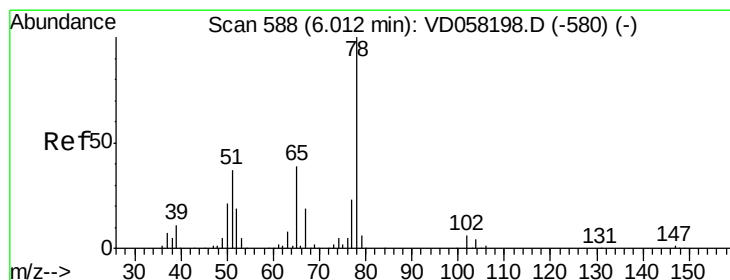
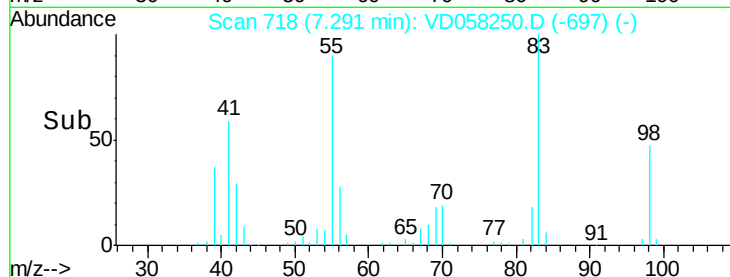
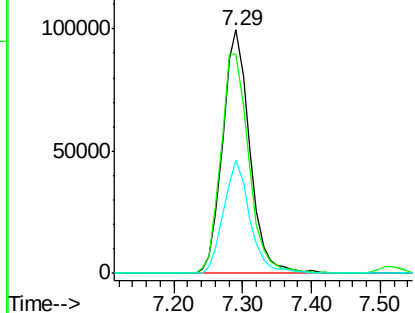
#39
Methylvlcyclohexane
Concen: 23.56 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

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

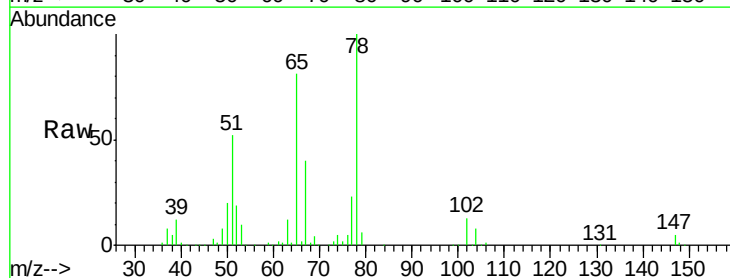


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

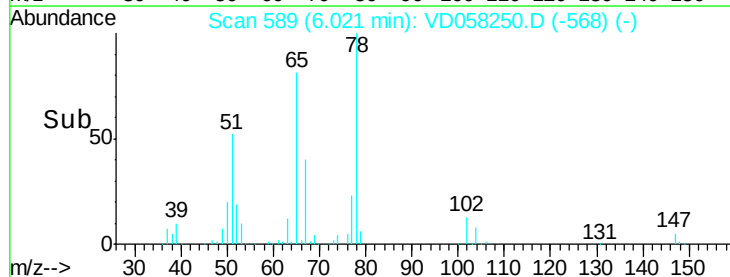
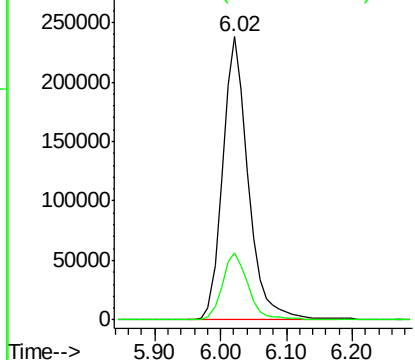


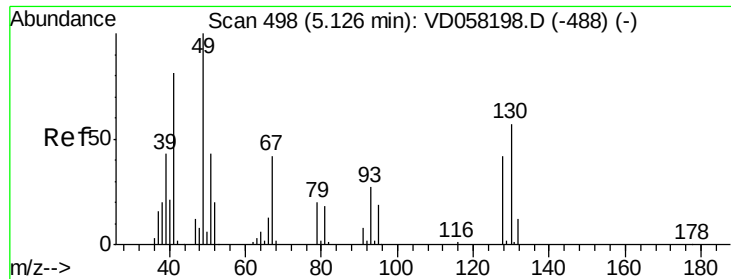
#40
Benzene
Concen: 22.97 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

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

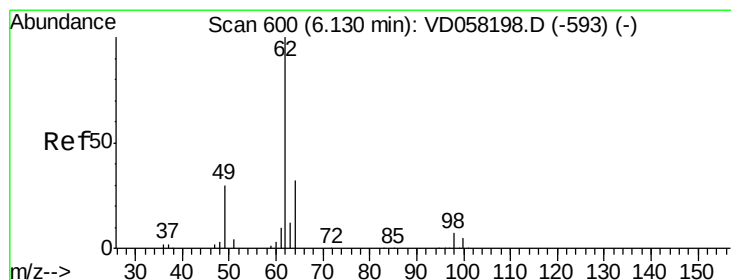
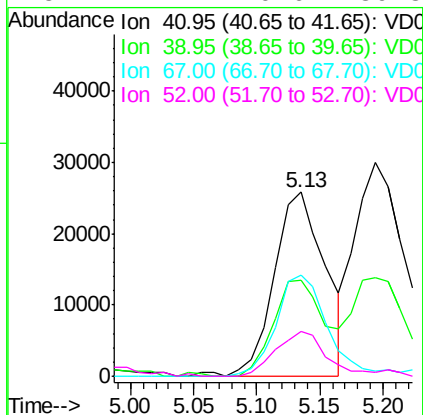
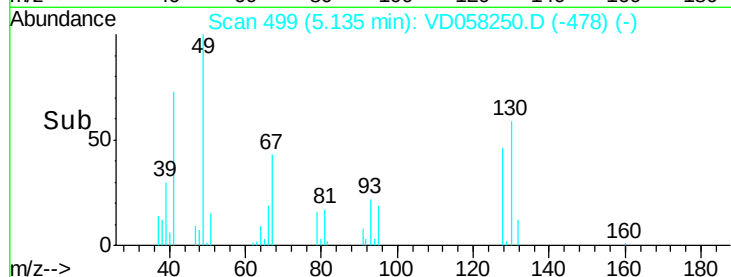
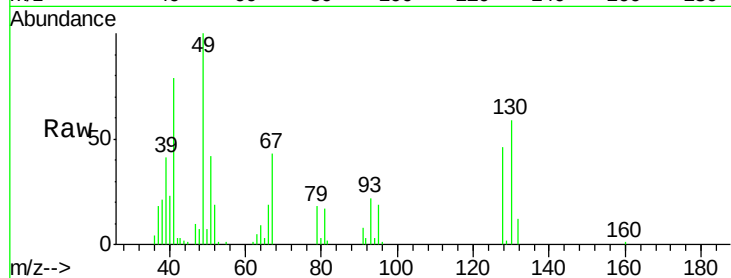




#41
Methacrylonitrile
Concen: 22.40 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

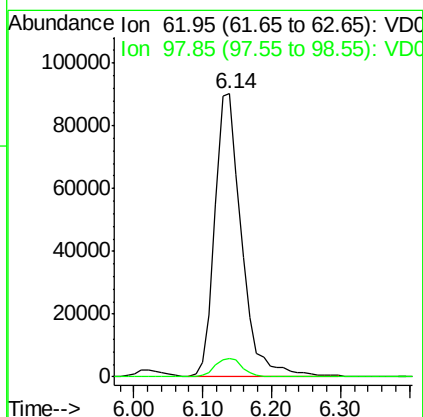
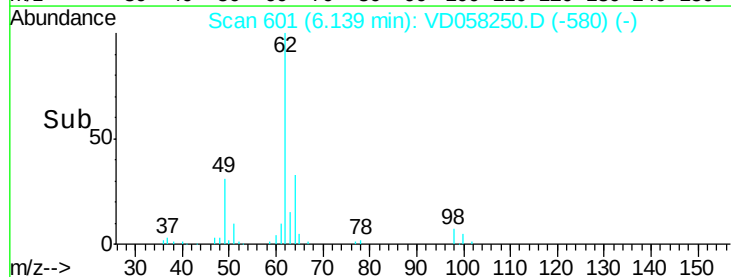
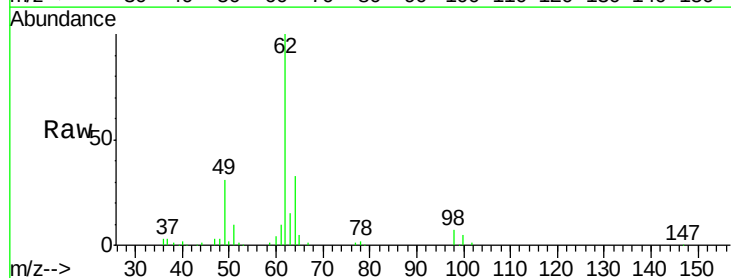
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

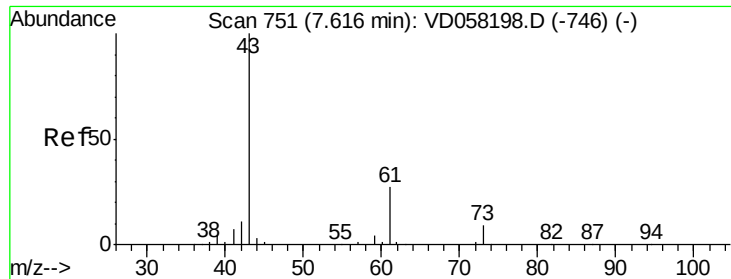
Tot Ion:	41	Resp:	72846
Ion	Ratio	Lower	Upper
41	100		
39	52.3	43.4	65.2
67	54.6	41.7	62.5
52	24.1	20.6	30.8



#42
1,2-Dichloroethane
Concen: 21.46 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

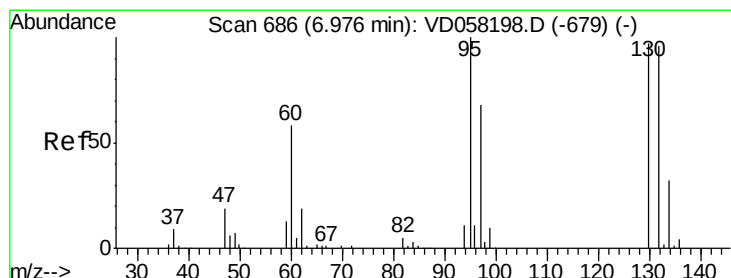
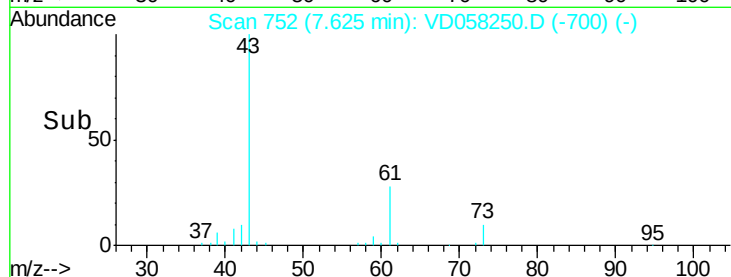
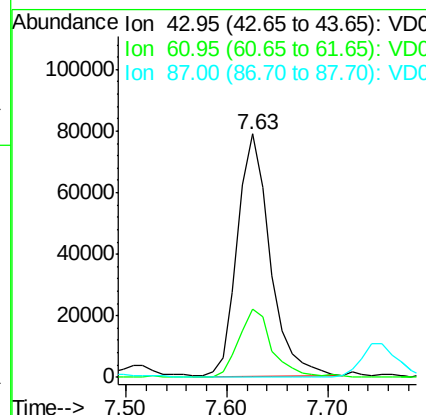
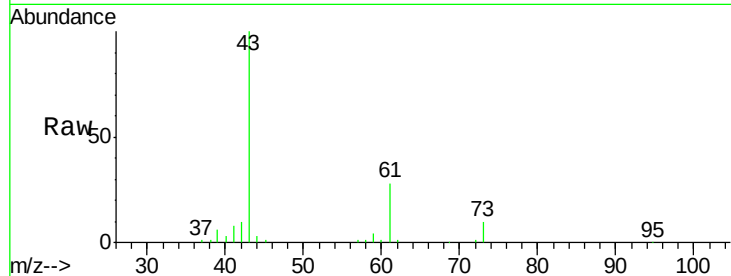




#43
Isopropyl Acetate
Concen: 19.90 ug/l
RT: 7.63 min Scan# 752
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

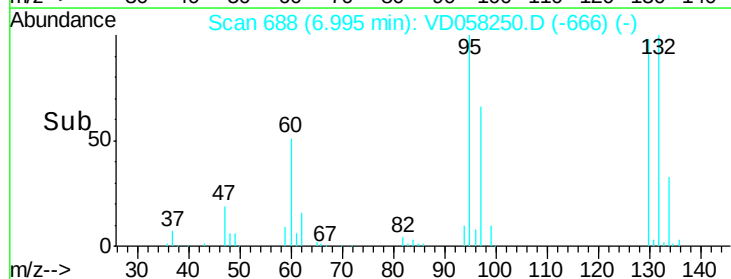
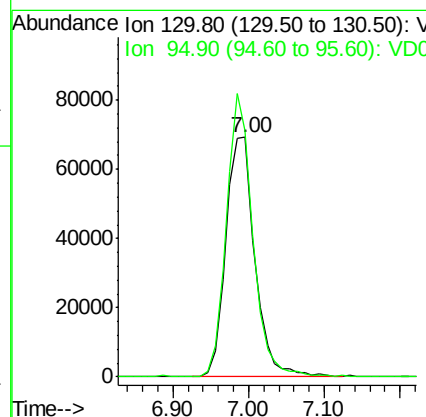
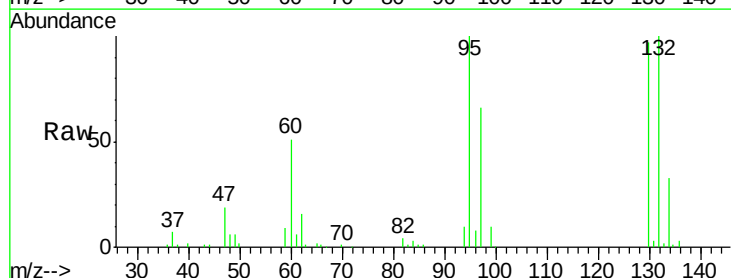
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

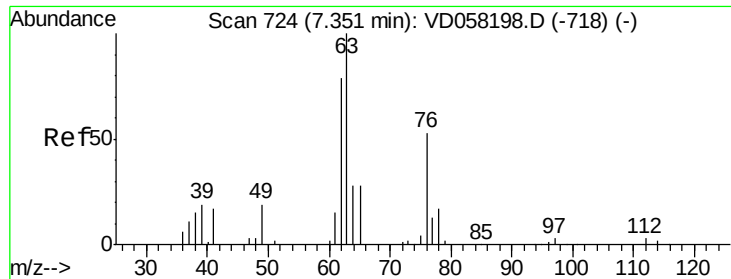
Tot Ion: 43 Resp: 178639
Ion Ratio Lower Upper
43 100
61 28.1 21.8 32.6
87 0.0 0.3 0.5#



#44
Trichloroethene
Concen: 21.88 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

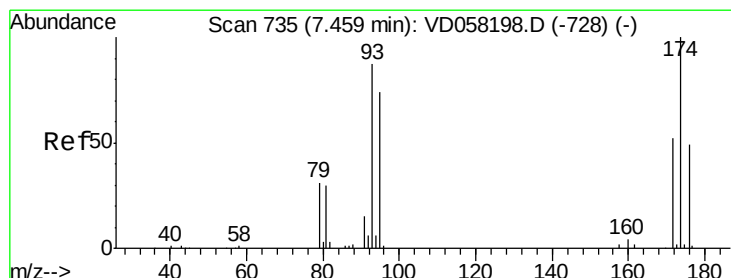
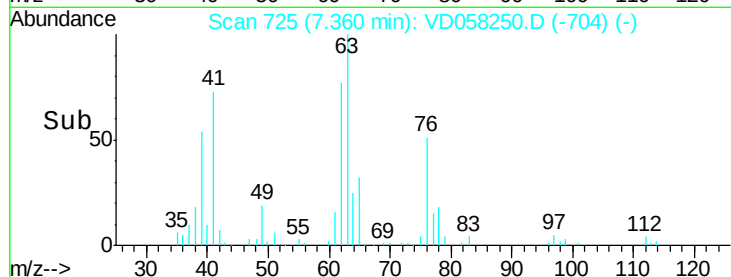
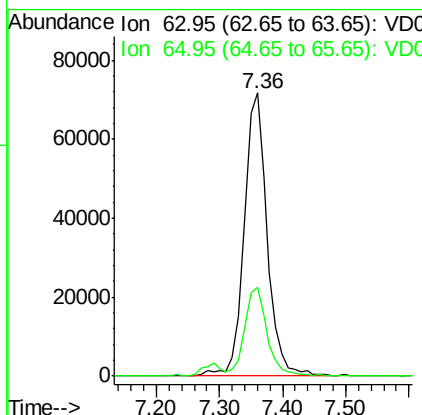
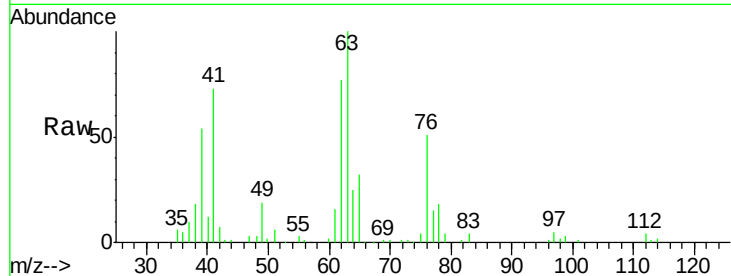




#45
 1,2-Dichloropropane
 Concen: 23.95 ug/l
 RT: 7.36 min Scan# 725
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

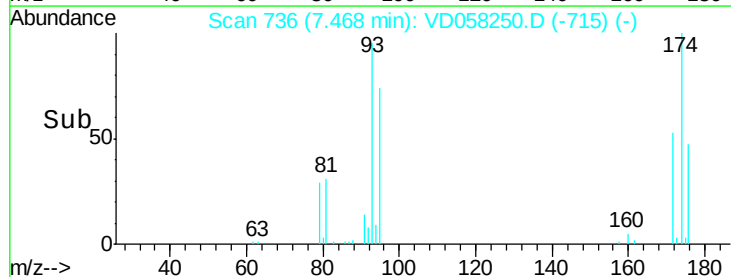
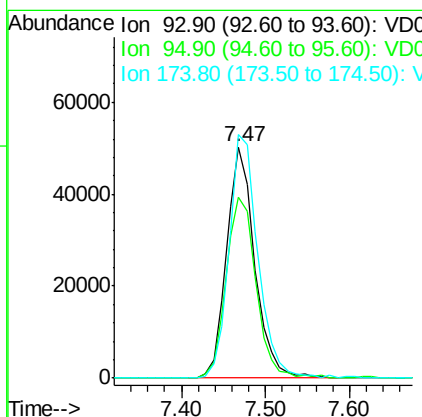
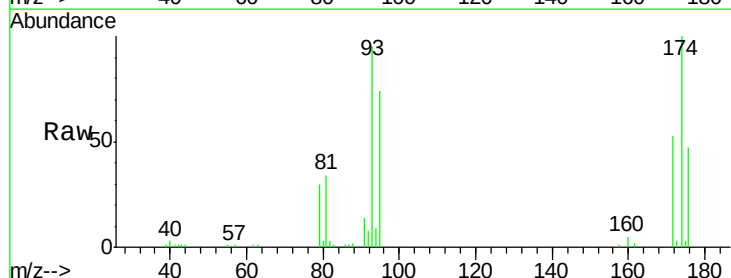
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

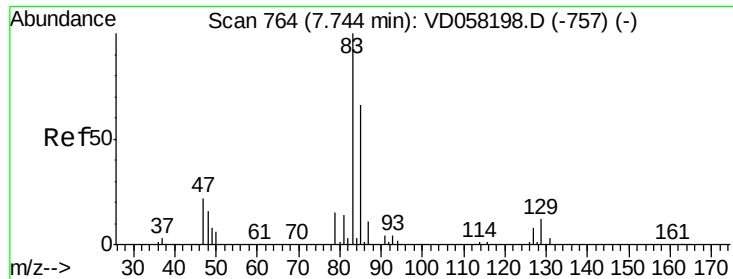
Tot Ion: 63 Resp: 181551
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.0 36.0



#46
 Dibromomethane
 Concen: 22.53 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





#47

Bromodichloromethane

Concen: 22.58 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 :

VD0621SBS01

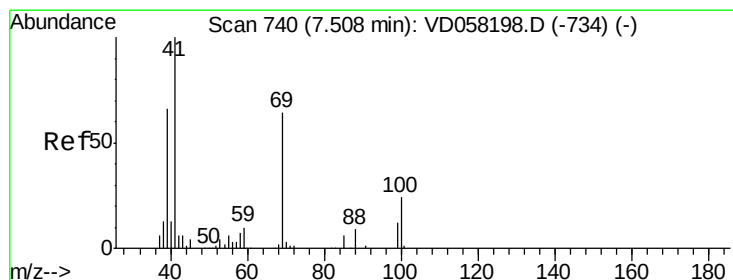
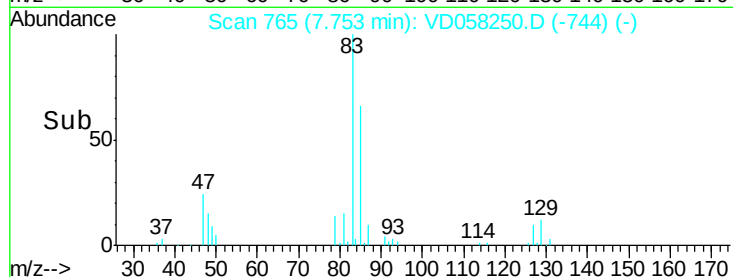
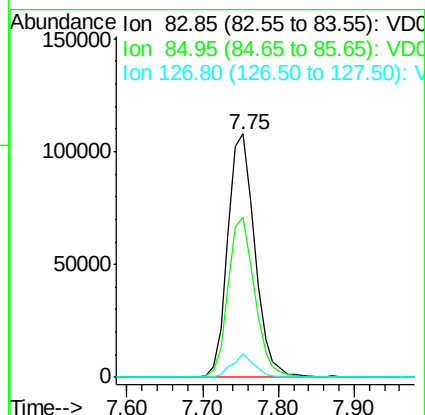
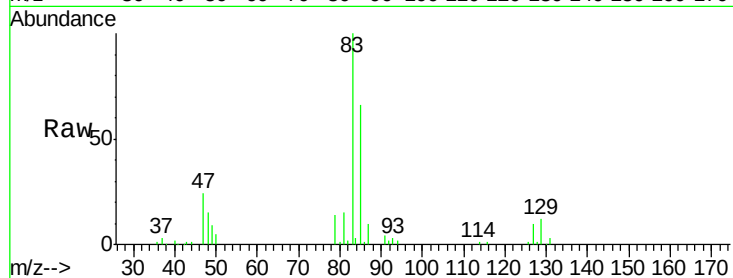
Tot Ion: 83 Resp: 266537

Ion Ratio Lower Upper

83 100

85 66.0 52.6 78.8

127 9.5 6.2 9.4#



#48

Methyl methacrylate

Concen: 20.06 ug/l

RT: 7.52 min Scan# 741

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

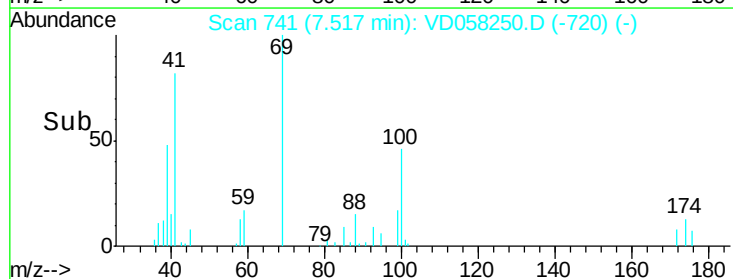
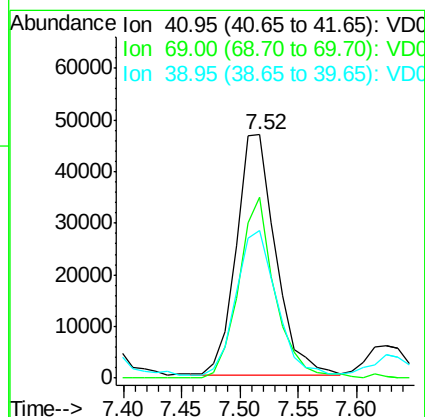
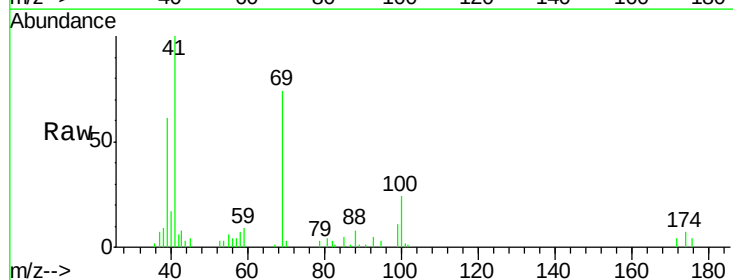
Tgt Ion: 41 Resp: 109423

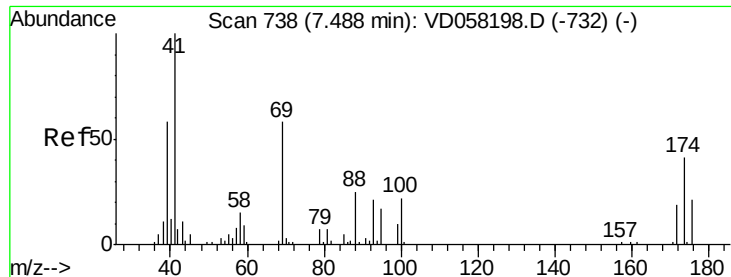
Ion Ratio Lower Upper

41 100

69 74.5 50.7 76.1

39 60.8 52.6 78.8





#49

1,4-Dioxane

Concen: 443.11 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

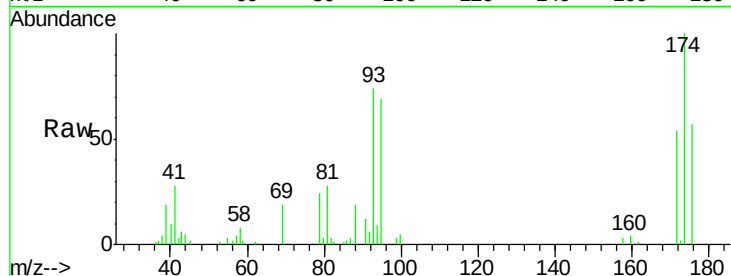
Tot Ion: 88 Resp: 21823

Ion Ratio Lower Upper

88 100

43 31.1 34.2 51.2#

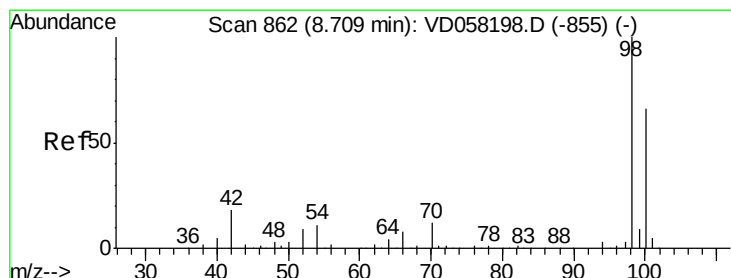
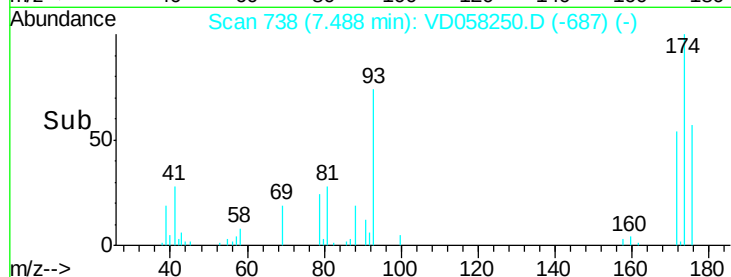
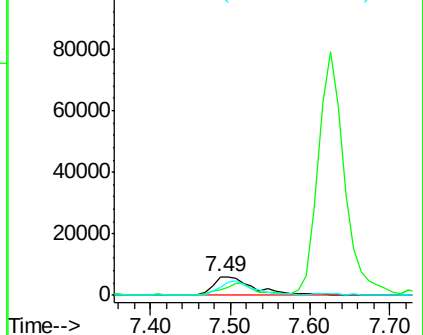
58 44.2 47.9 71.9#



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: 443.11 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058250.D

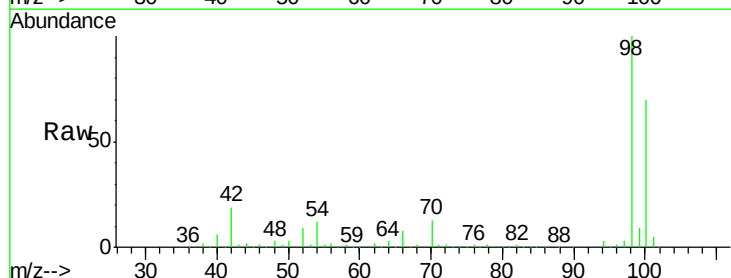
Acq: 21 Jun 2018 14:09

Tgt Ion: 98 Resp: 1199233

Ion Ratio Lower Upper

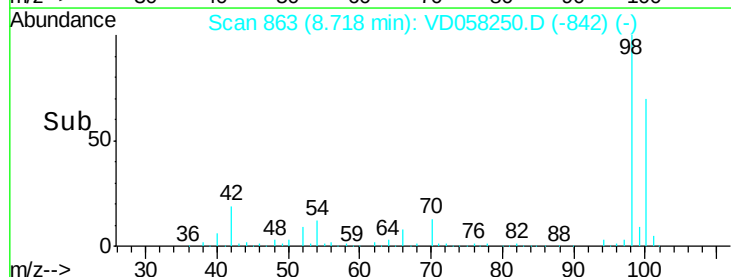
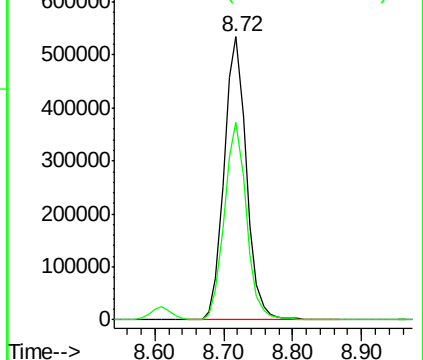
98 100

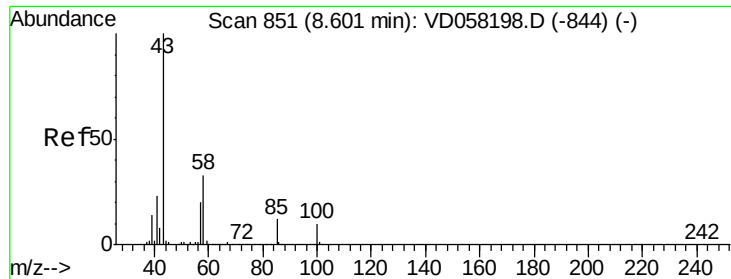
100 69.7 53.6 80.4



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: 107.43 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 :

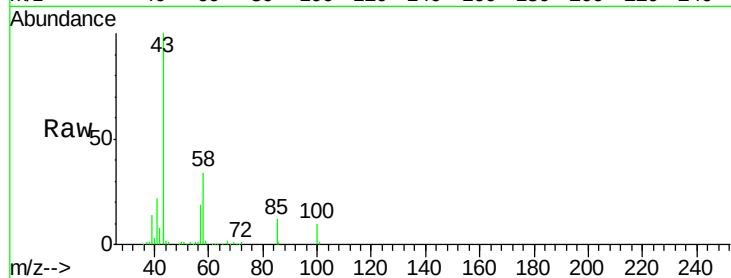
VD0621SBS01

Tot Ion: 43 Resp: 629066

Ion Ratio Lower Upper

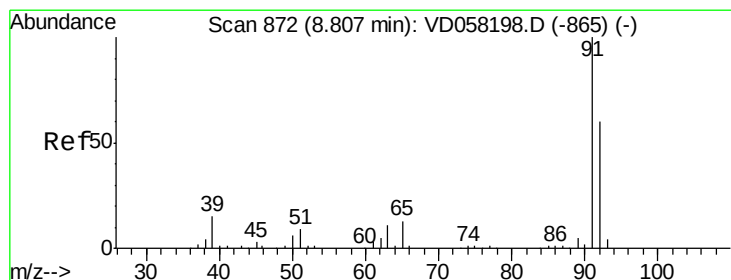
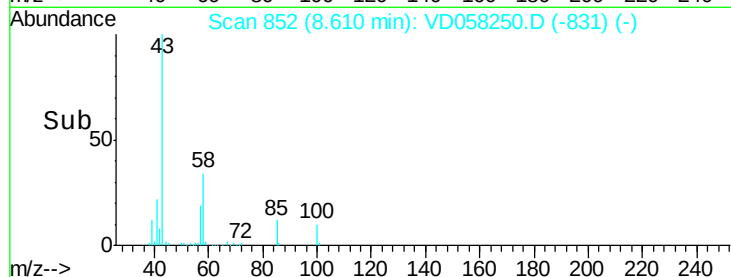
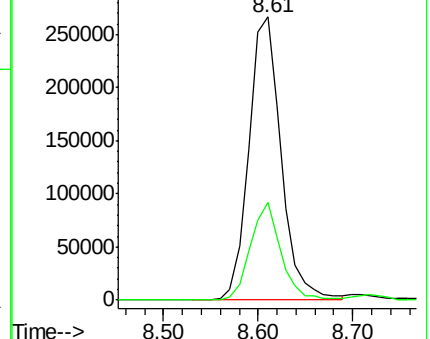
43 100

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



#52

Toluene

Concen: 23.11 ug/l

RT: 8.81 min Scan# 872

Delta R.T. -0.00 min

Lab File: VD058250.D

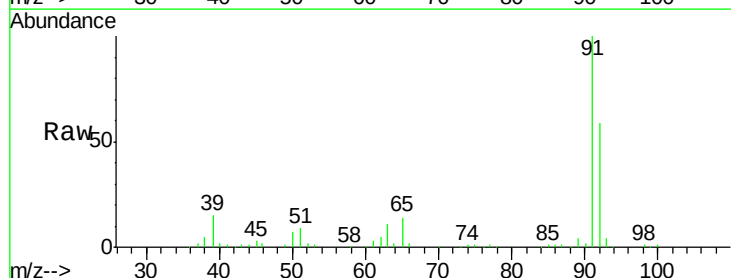
Acq: 21 Jun 2018 14:09

Tgt Ion: 92 Resp: 370519

Ion Ratio Lower Upper

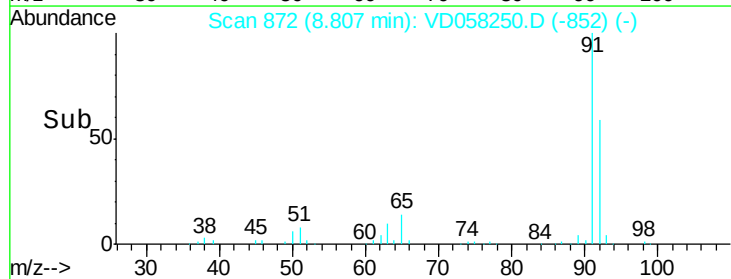
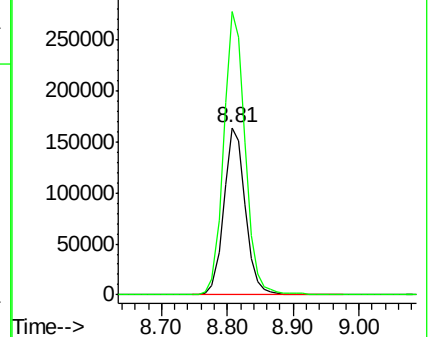
92 100

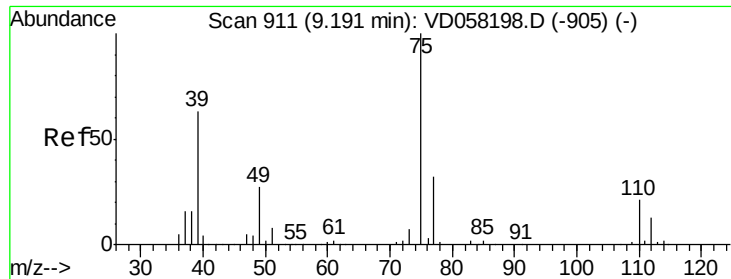
91 169.4 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

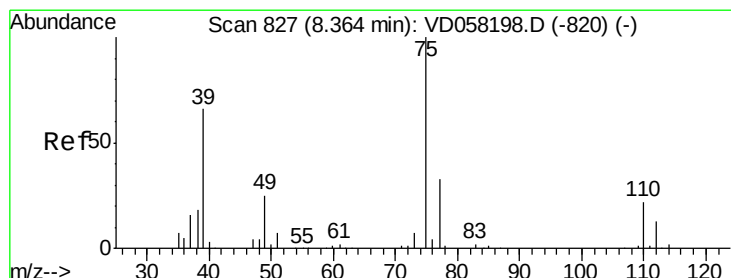
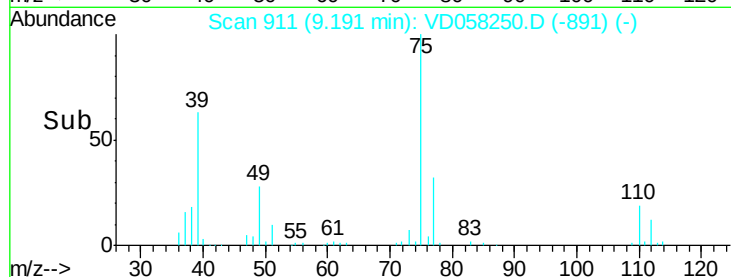
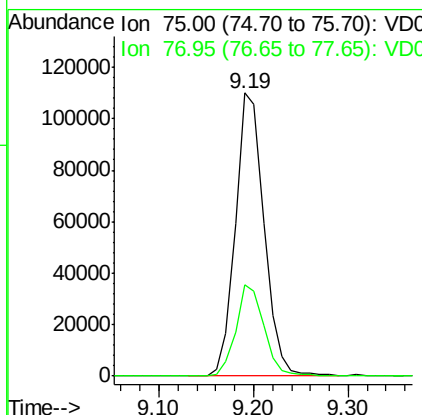
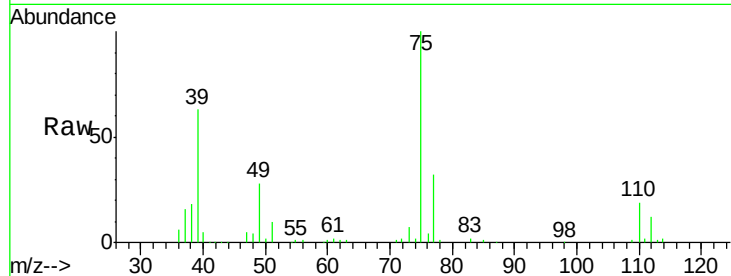




#53
 t-1,3-Dichloropropene
 Concen: 22.53 ug/l
 RT: 9.19 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

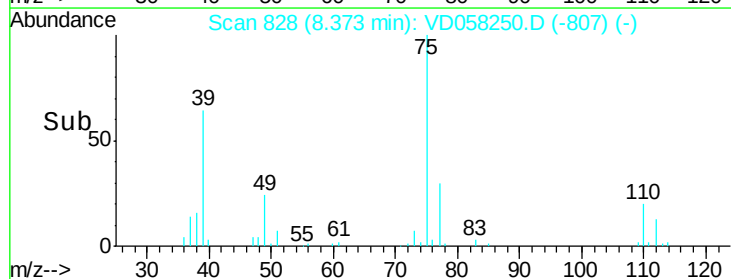
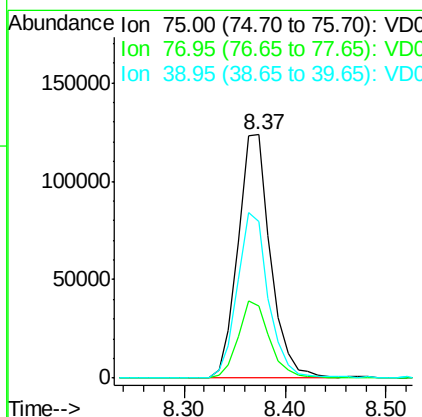
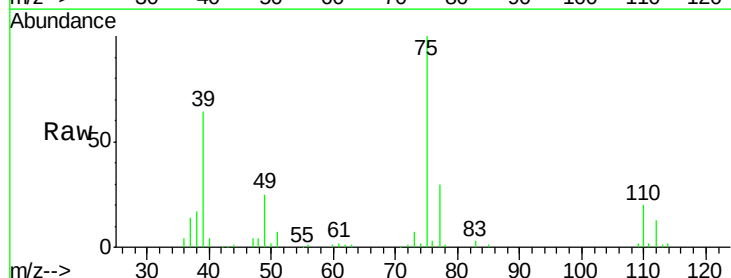
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

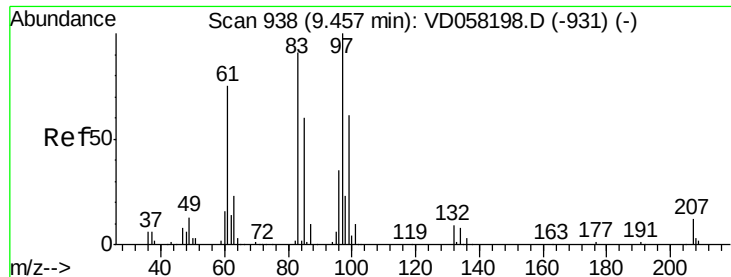
Tot Ion: 75 Resp: 231225
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 23.12 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: 22.55 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

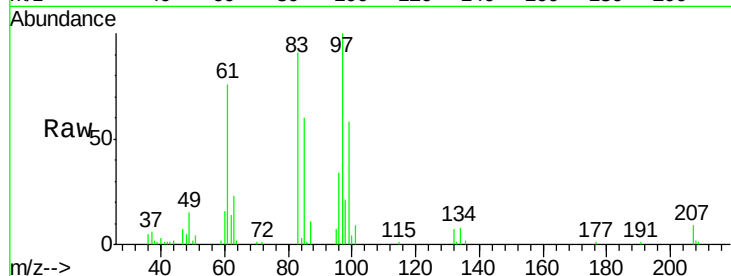
Ion Ratio Lower Upper

97 100

83 91.1 72.9 109.3

85 59.7 48.2 72.4

99 58.3 48.9 73.3

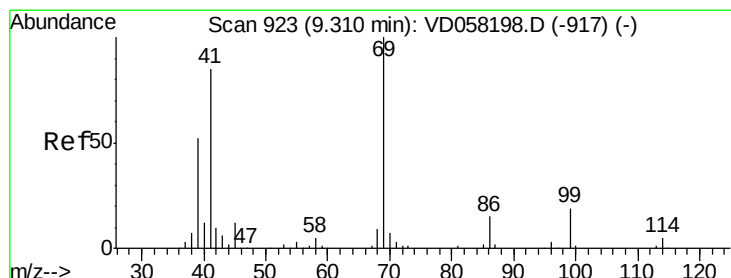
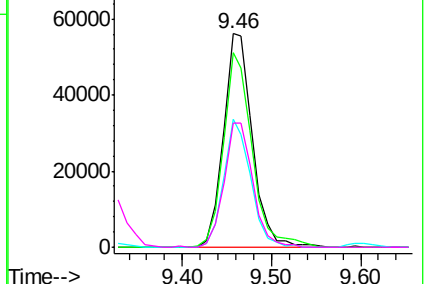
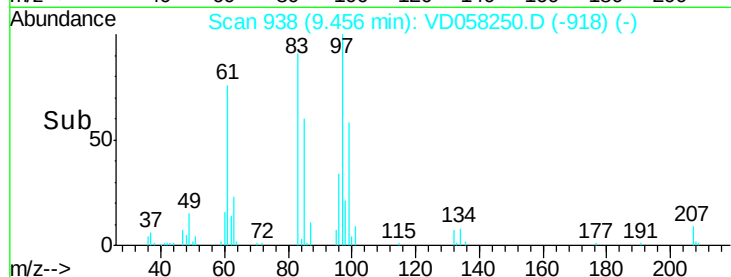


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 22.12 ug/l

RT: 9.32 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

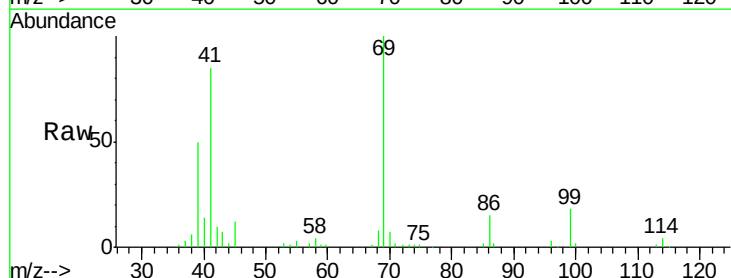
Tgt Ion: 69 Resp: 150048

Ion Ratio Lower Upper

69 100

41 85.5 67.6 101.4

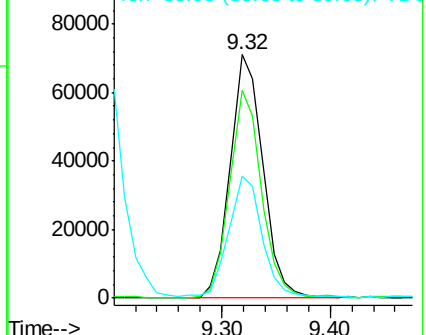
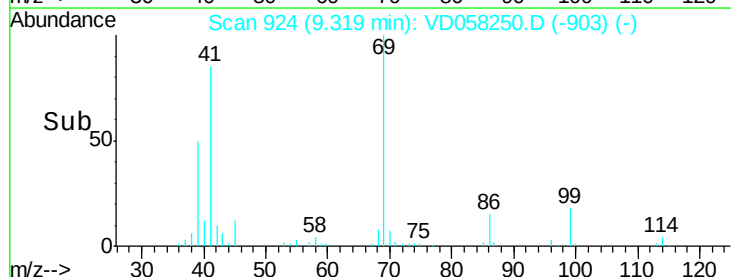
39 50.2 42.2 63.2

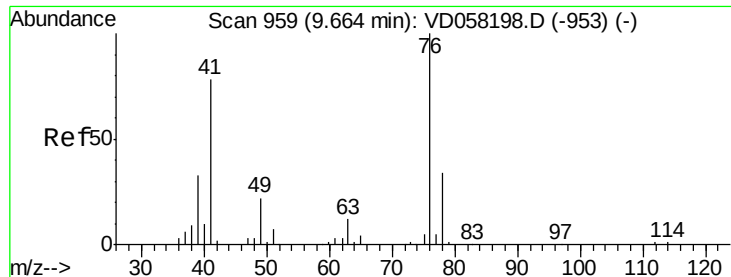


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

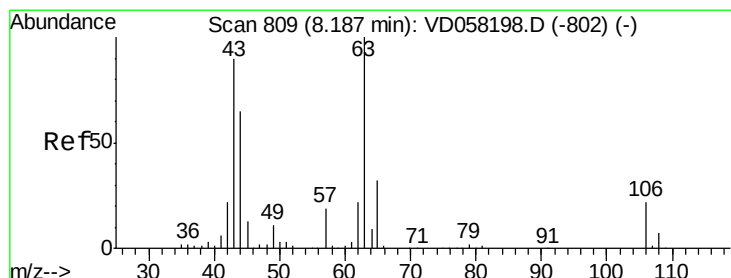
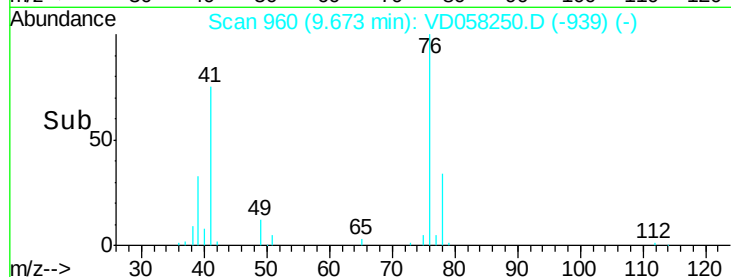
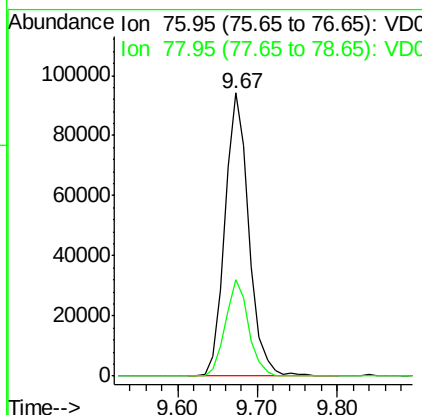
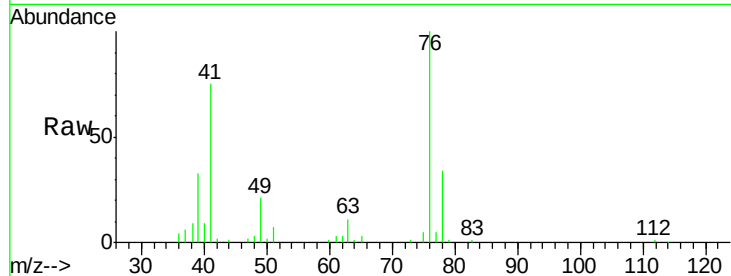




#57
 1,3-Dichloropropane
 Concen: 20.78 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

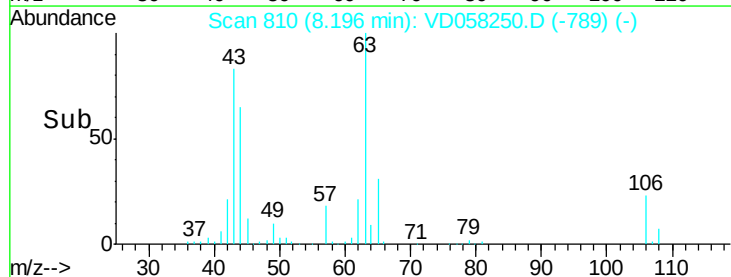
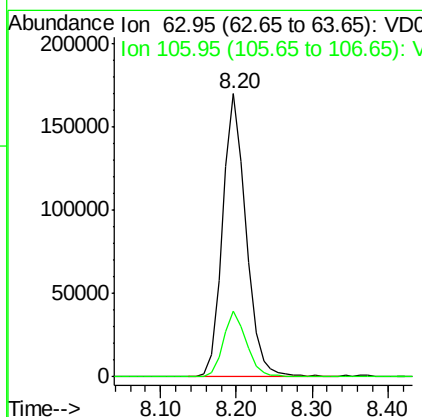
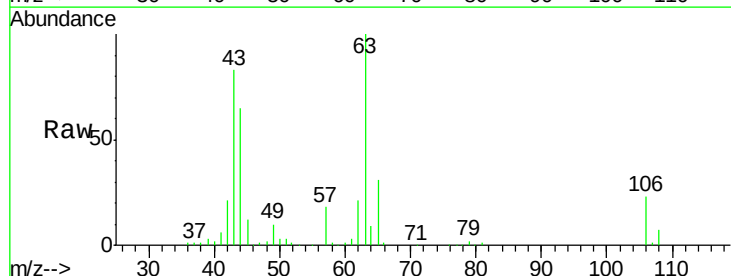
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

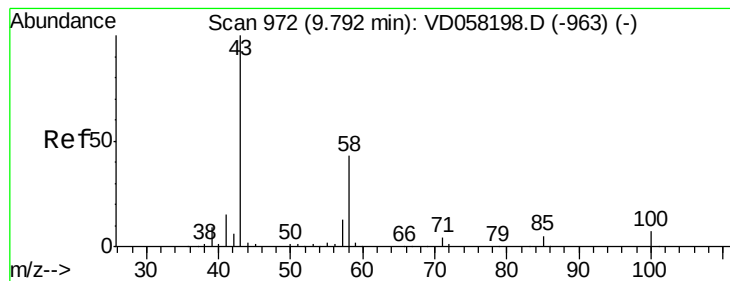
Tot Ion: 76 Resp: 198534
 Ion Ratio Lower Upper
 76 100
 78 34.2 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.49 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





#59

2-Hexanone

Concen: 113.32 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 :

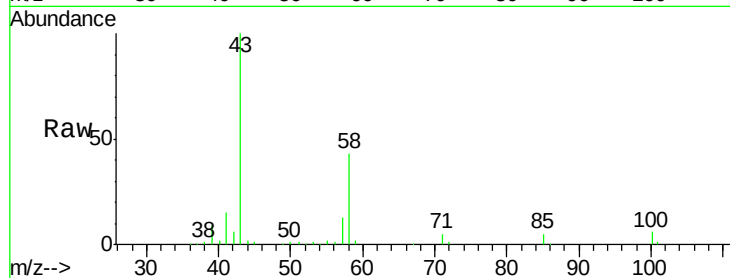
VD0621SBSD01

Tot Ion: 43 Resp: 479459

Ion Ratio Lower Upper

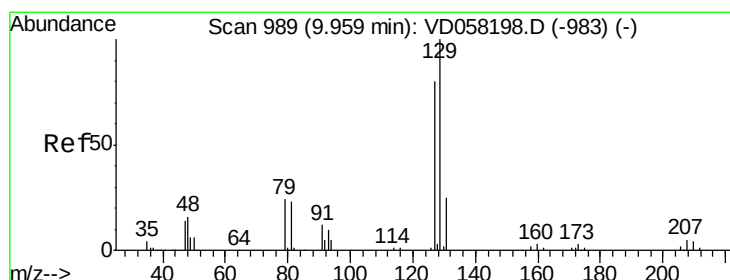
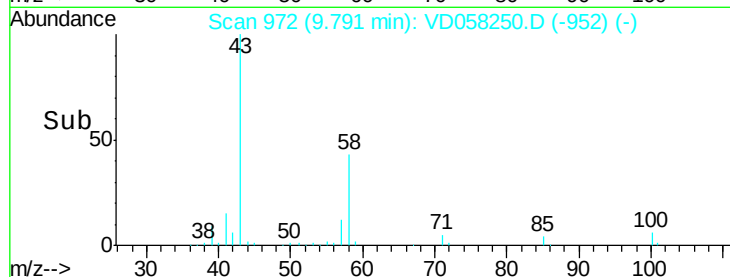
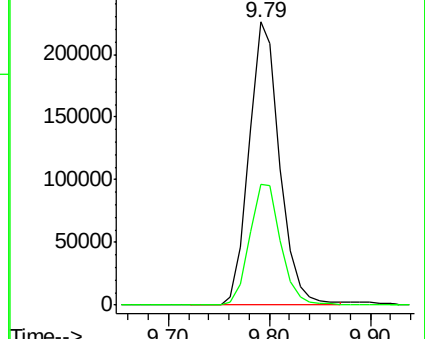
43 100

58 42.8 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 22.59 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058250.D

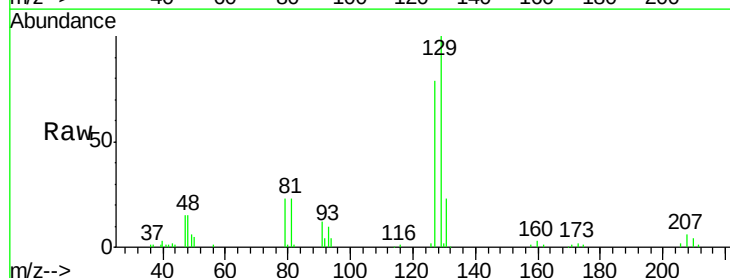
Acq: 21 Jun 2018 14:09

Tgt Ion:129 Resp: 173901

Ion Ratio Lower Upper

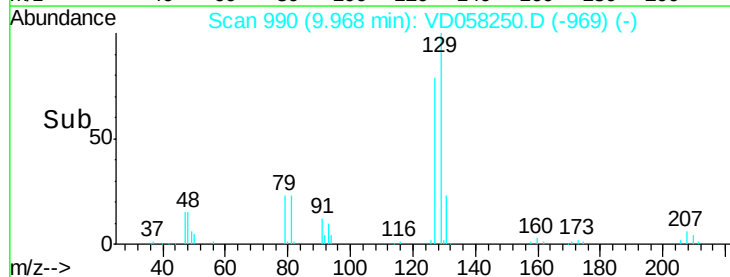
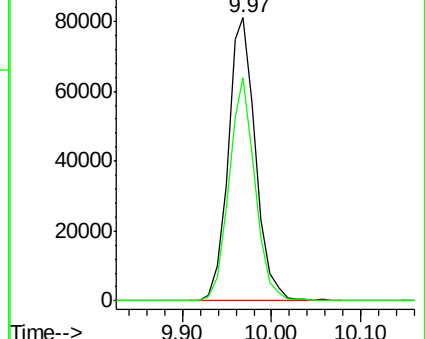
129 100

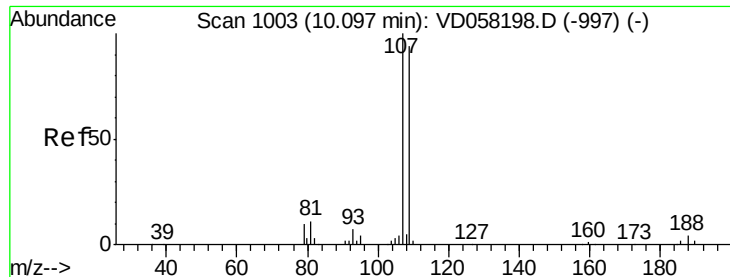
127 78.7 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 21.57 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 :

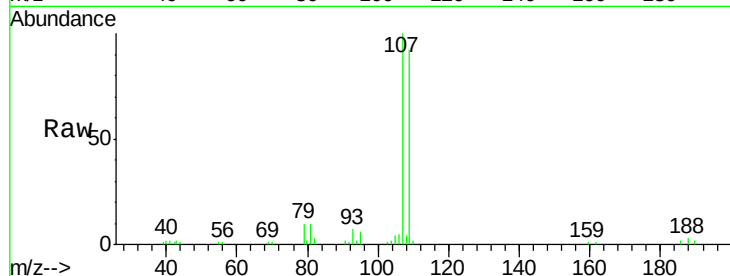
VD0621SBSD01

Tot Ion:107 Resp: 133876

Ion Ratio Lower Upper

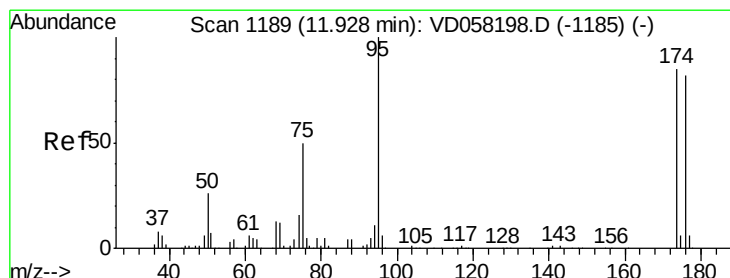
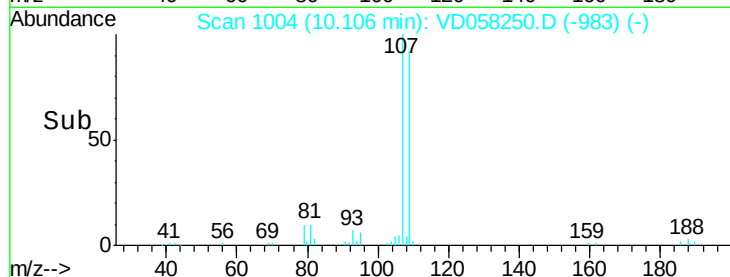
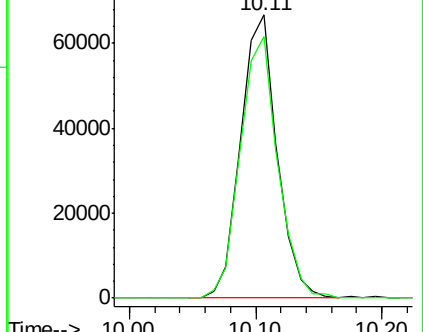
107 100

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: 21.57 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

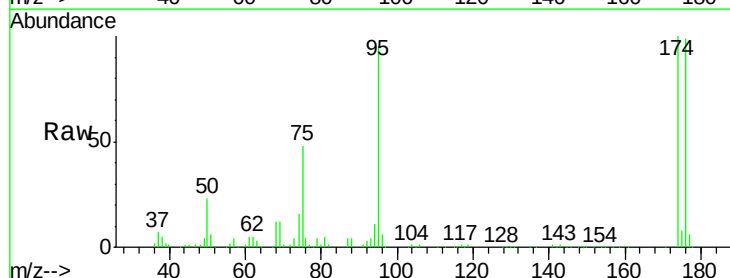
Tgt Ion: 95 Resp: 478896

Ion Ratio Lower Upper

95 100

174 105.1 0.0 170.2

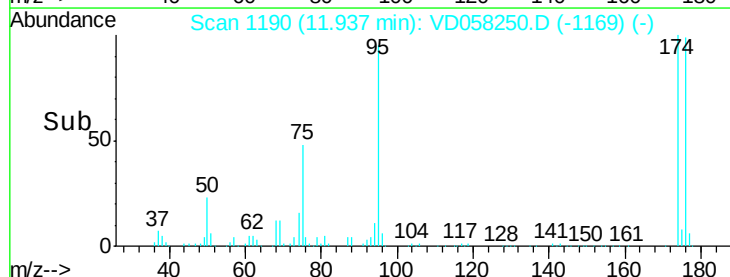
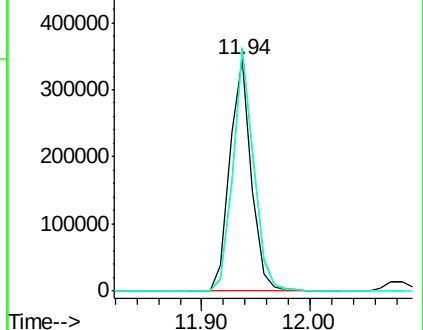
176 103.8 0.0 164.6

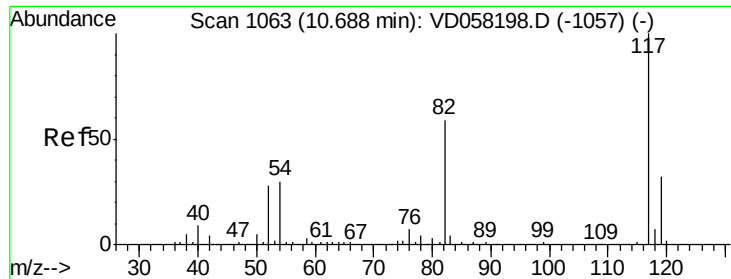


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

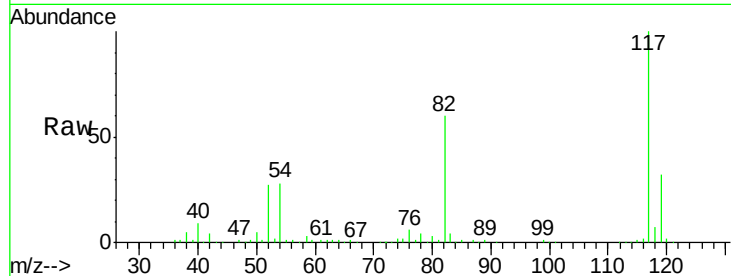




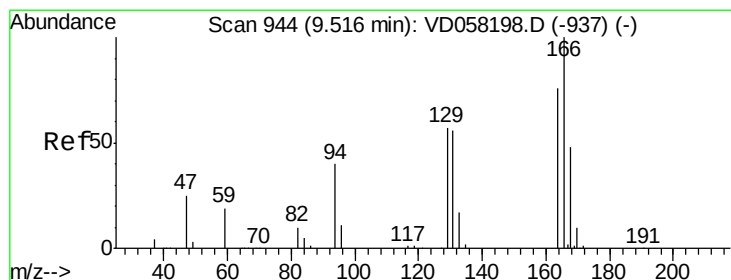
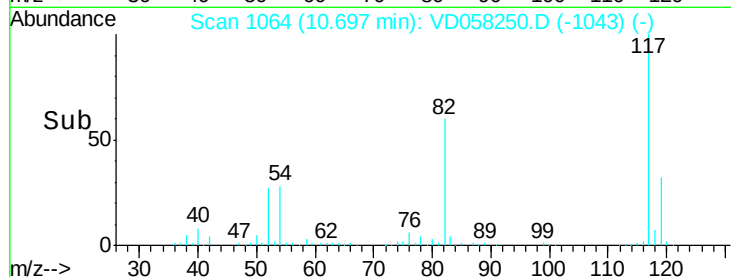
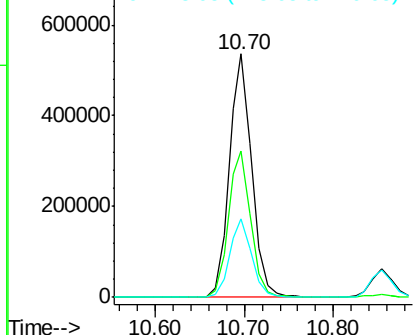
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

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

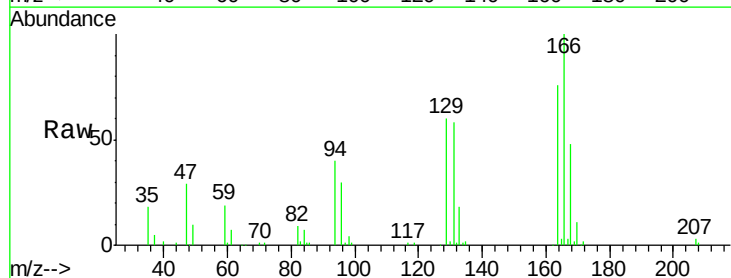


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

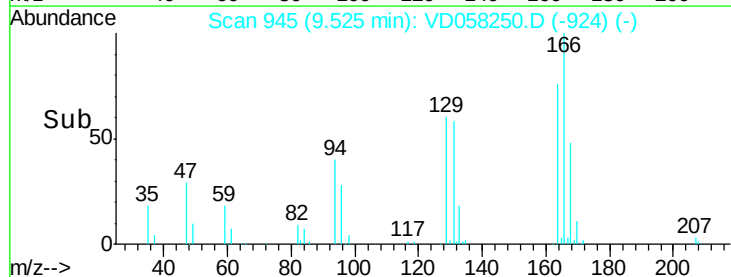
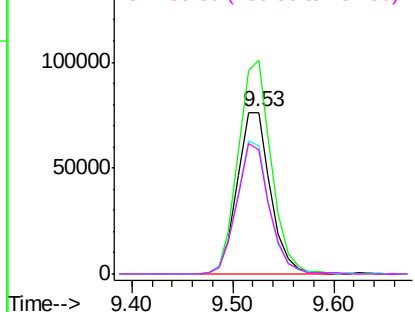


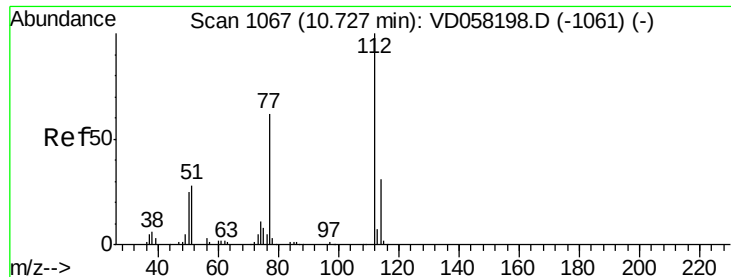
#64
Tetrachloroethene
Concen: 21.93 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

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

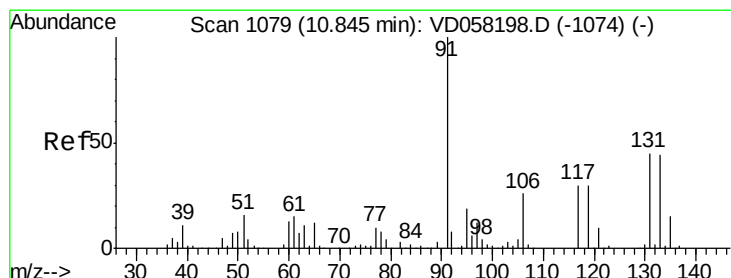
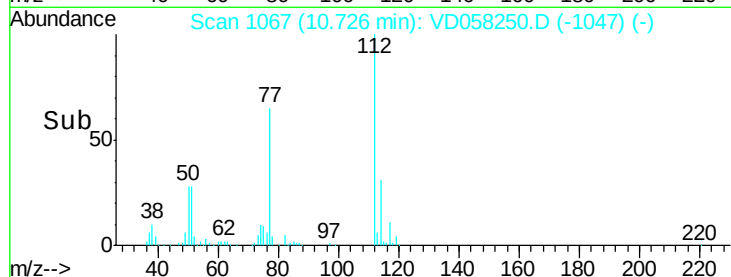
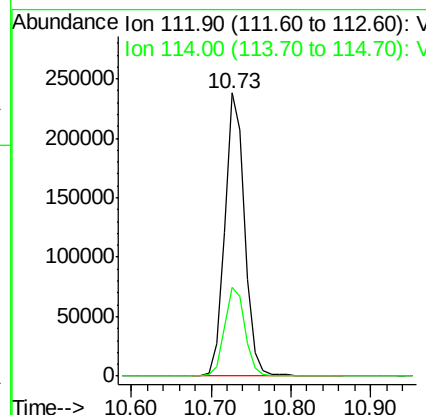
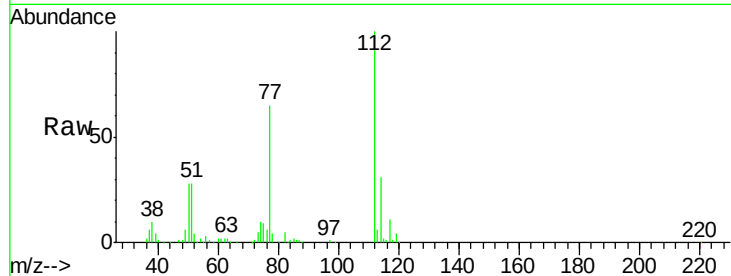




#65
Chlorobenzene
Concen: 23.63 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

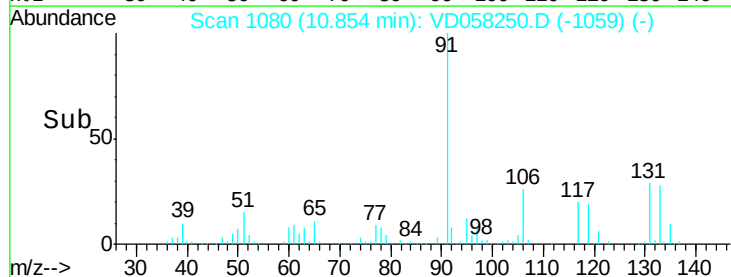
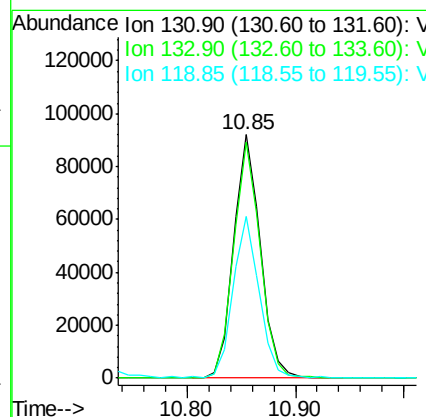
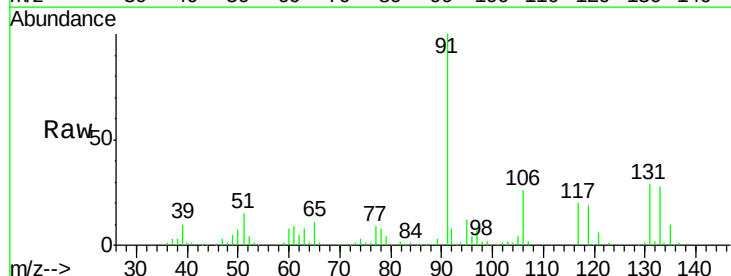
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

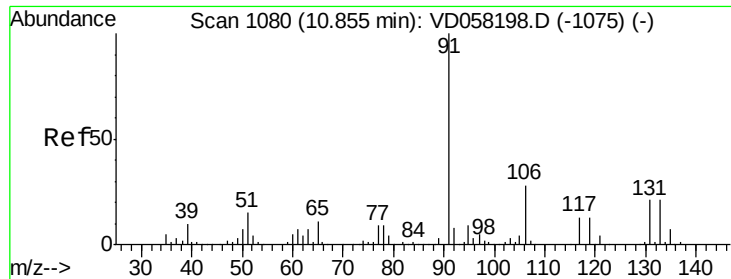
Tot Ion:112 Resp: 419251
Ion Ratio Lower Upper
112 100
114 31.4 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 23.02 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

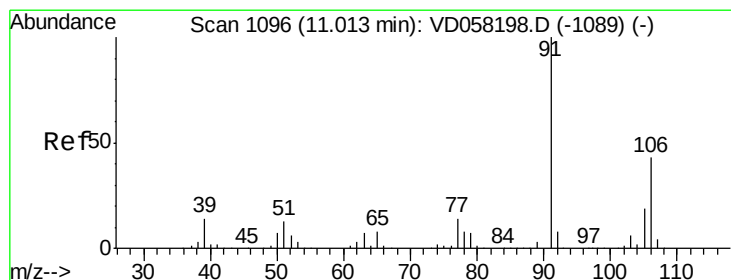
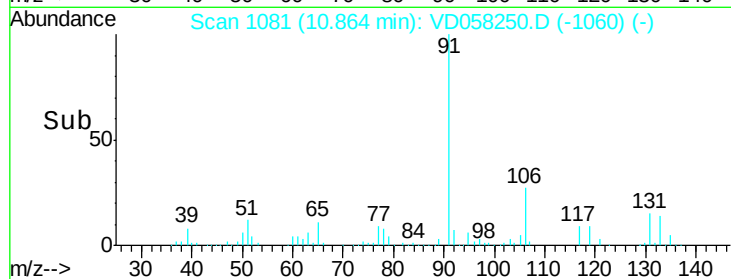
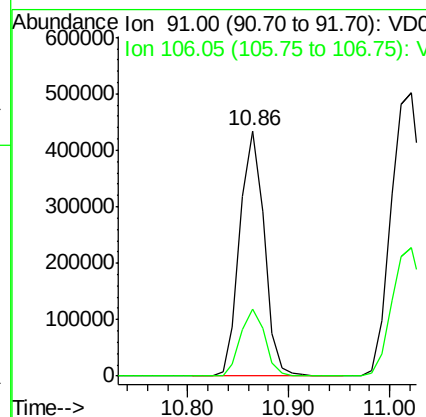
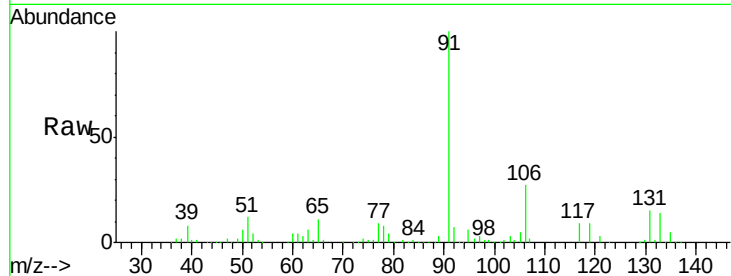




#67
Ethyl Benzene
Concen: 23.40 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

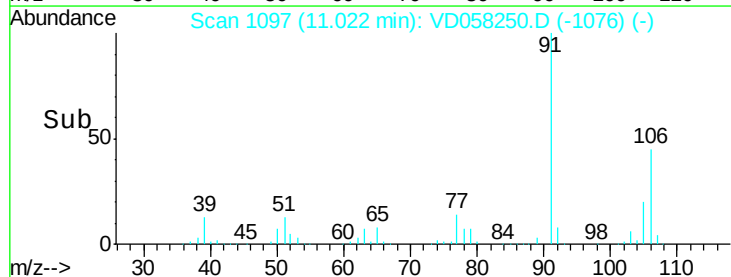
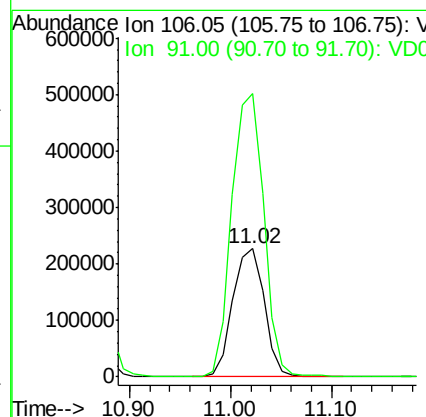
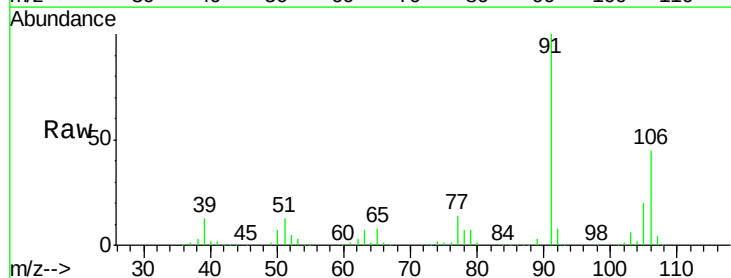
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBS01

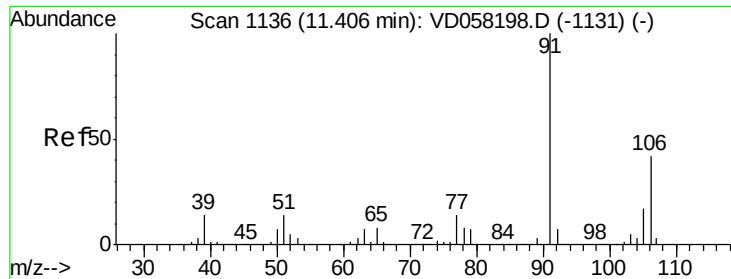
Tot Ion: 91 Resp: 733123
Ion Ratio Lower Upper
91 100
106 27.1 22.0 33.0



#68
m/p-Xylenes
Concen: 47.45 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

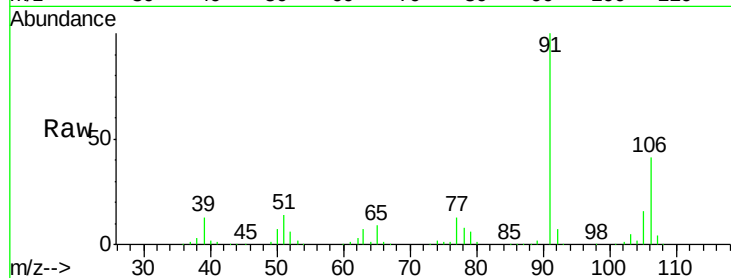




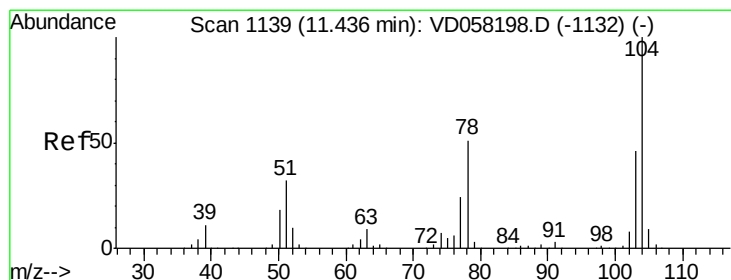
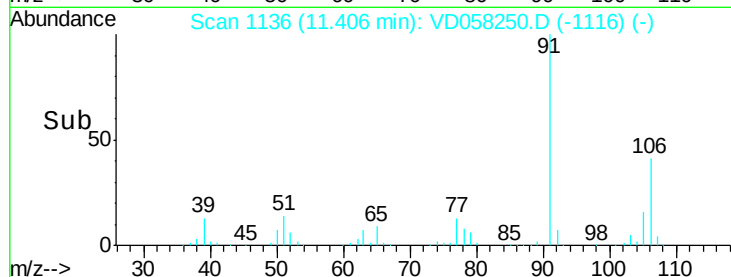
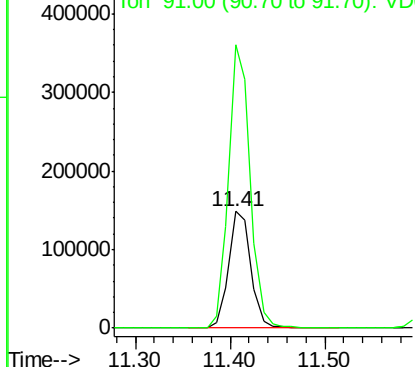
#69
o-Xylene
Concen: 24.22 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

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

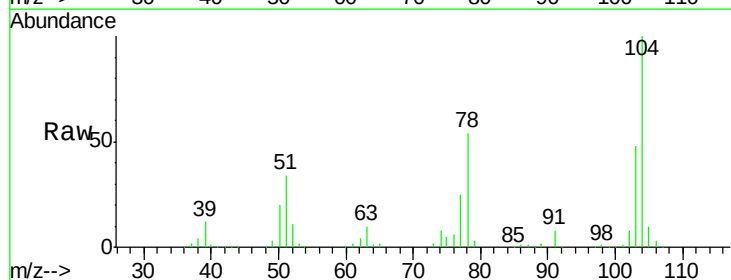


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

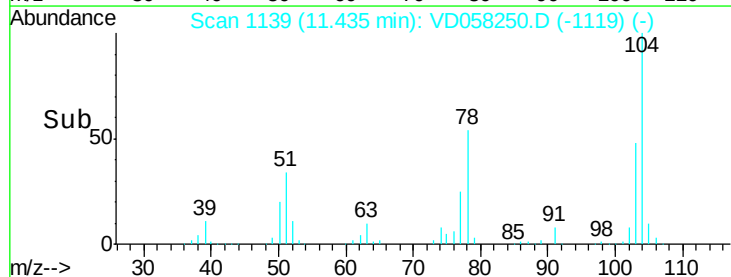
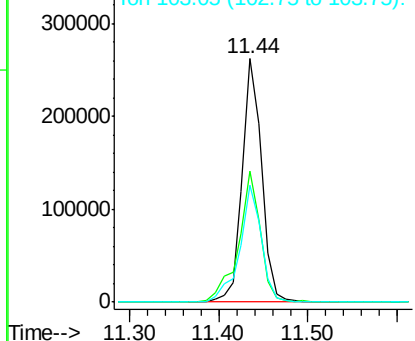


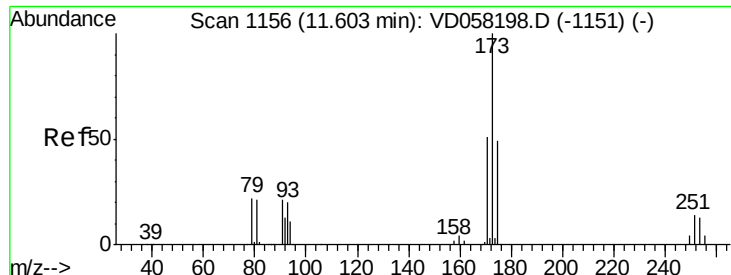
#70
Styrene
Concen: 23.34 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

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

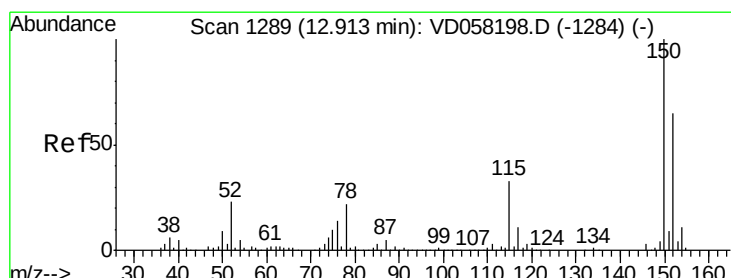
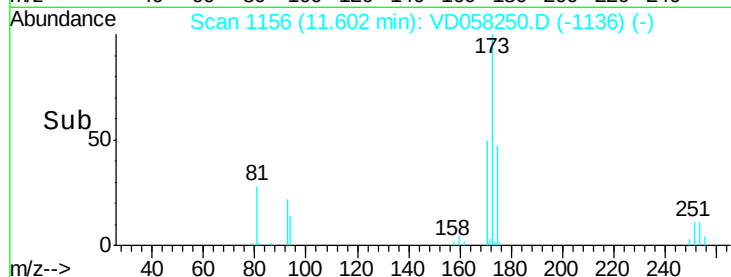
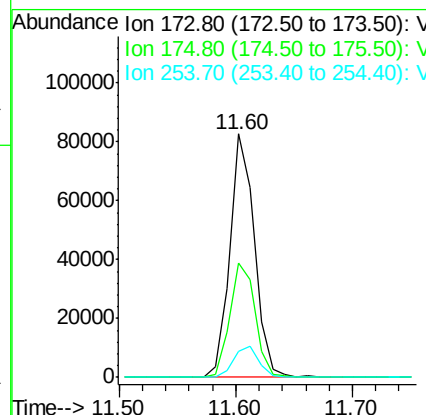
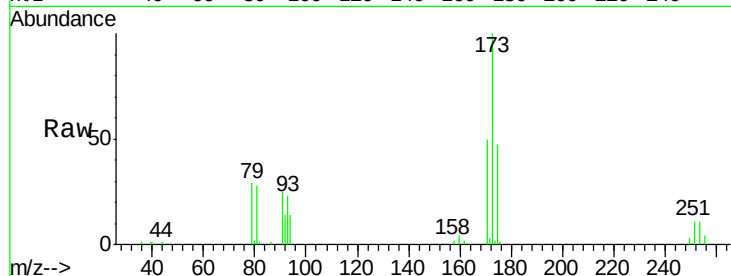




#71
Bromoform
Concen: 22.16 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD058250.D
Acq: 21 Jun 2018 14:09

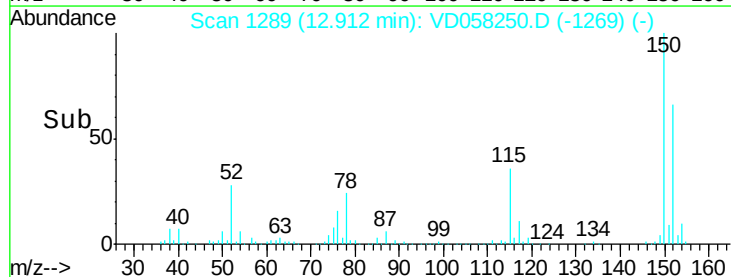
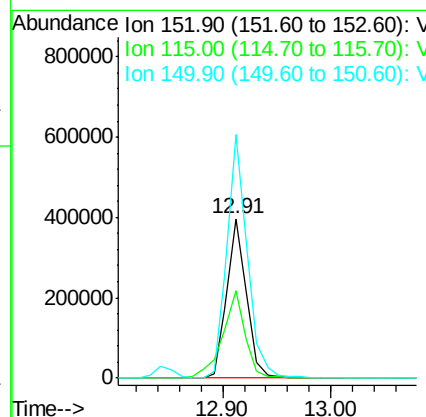
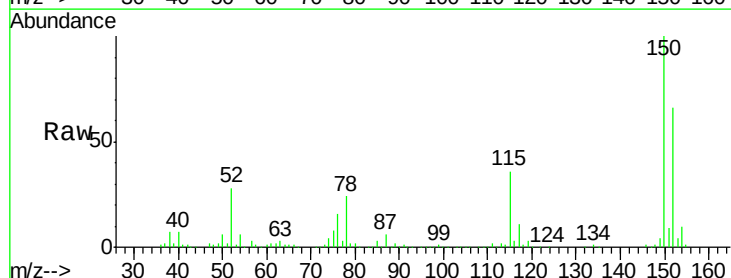
Instrument :
MSVOA_D
ClientSampleId :
VD0621SBSD01

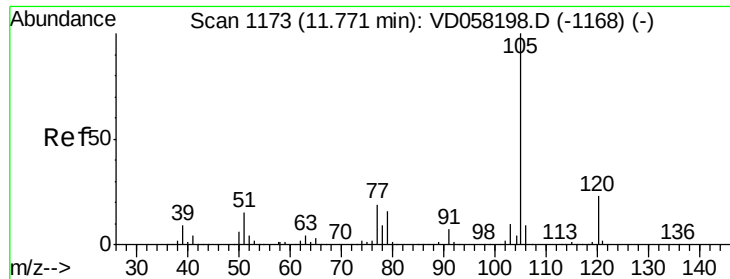
Tot Ion:173 Resp: 121022
Ion Ratio Lower Upper
173 100
175 47.0 24.6 74.0
254 10.7 10.3 15.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 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





#73

Isopropylbenzene

Concen: 23.28 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 :

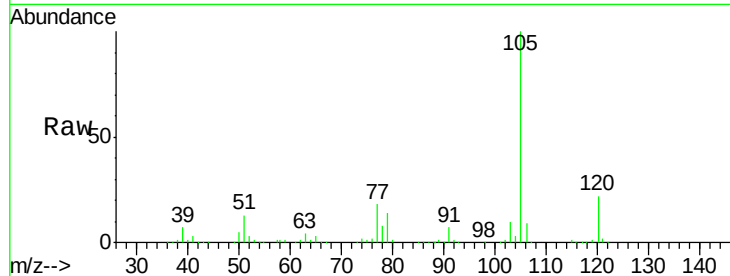
VD0621SBSD01

Tot Ion:105 Resp: 695010

Ion Ratio Lower Upper

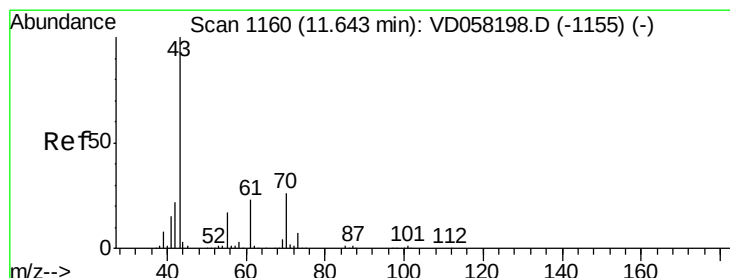
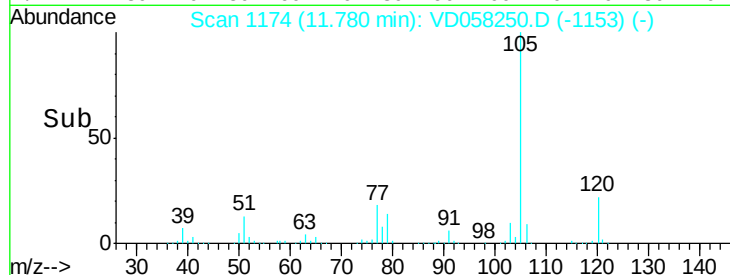
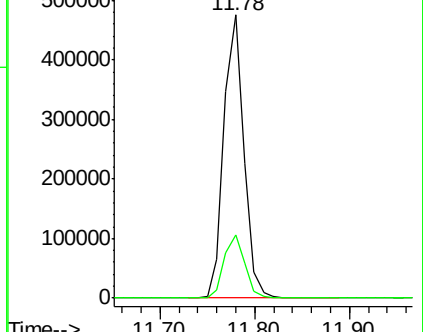
105 100

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: 20.22 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

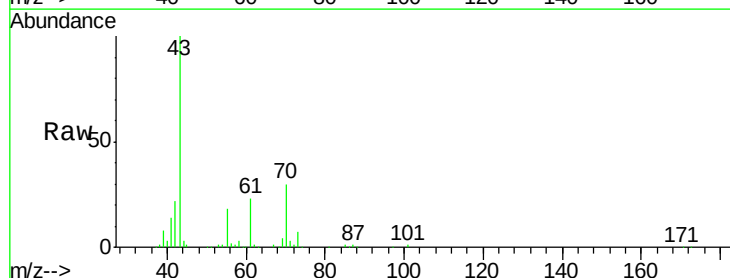
Ion Ratio Lower Upper

43 100

70 30.4 20.9 31.3

55 17.5 13.5 20.3

61 23.4 18.2 27.2

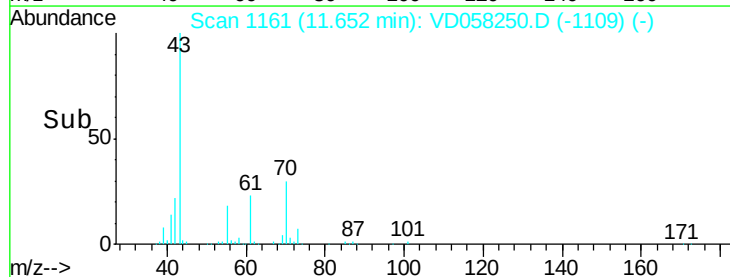
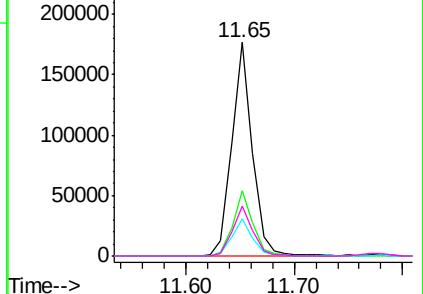


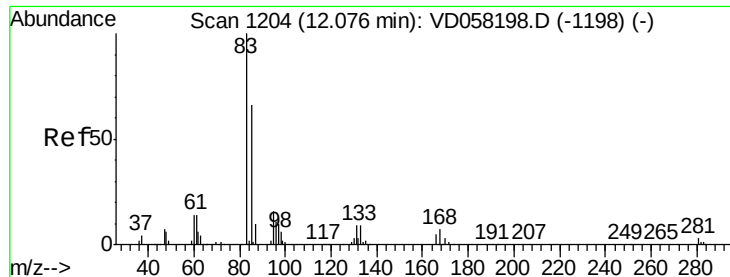
Abundance Ion 42.95 (42.65 to 43.65): V

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: 22.11 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

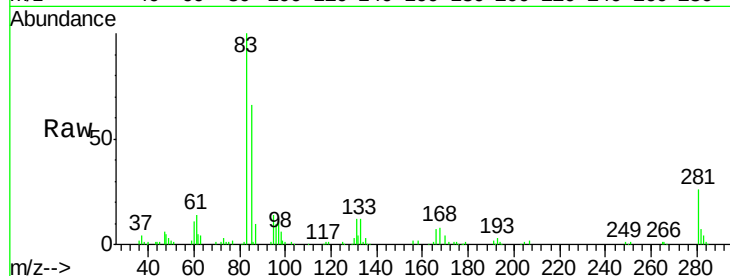
Tot Ion: 83 Resp: 153621

Ion Ratio Lower Upper

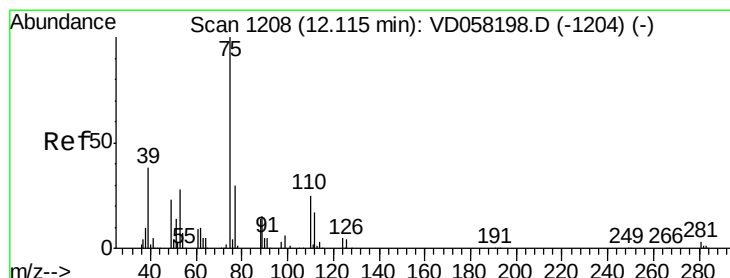
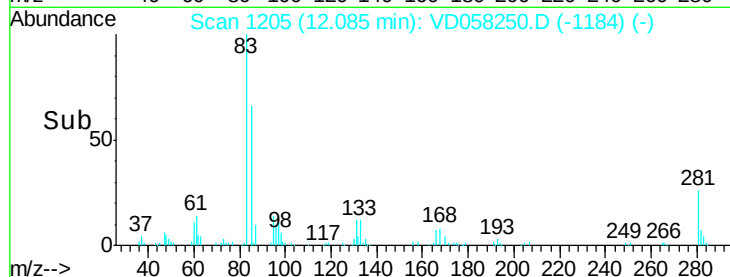
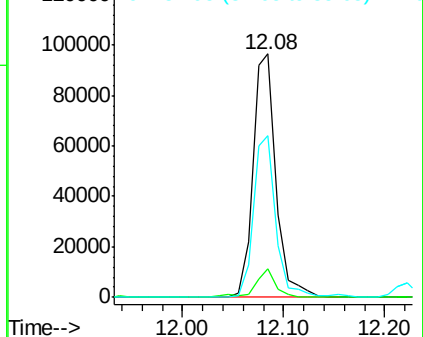
83 100

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: 22.69 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058250.D

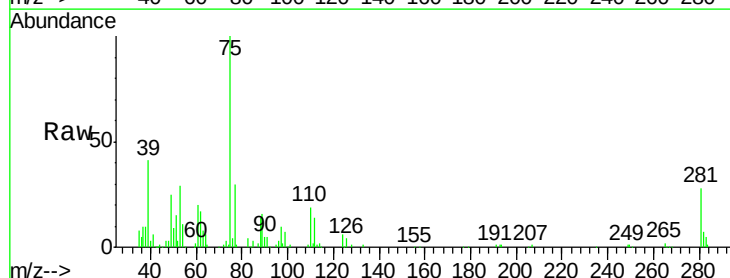
Acq: 21 Jun 2018 14:09

Tgt Ion: 75 Resp: 165322

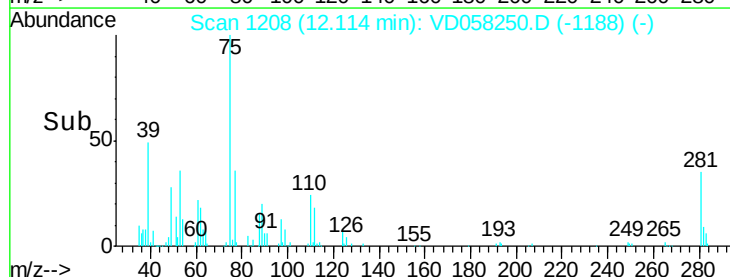
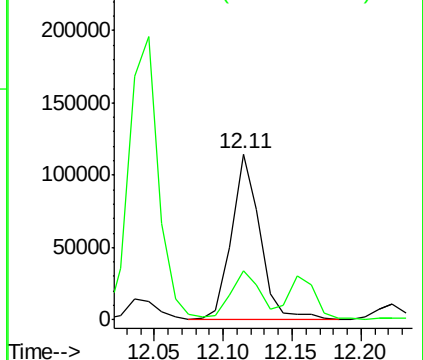
Ion Ratio Lower Upper

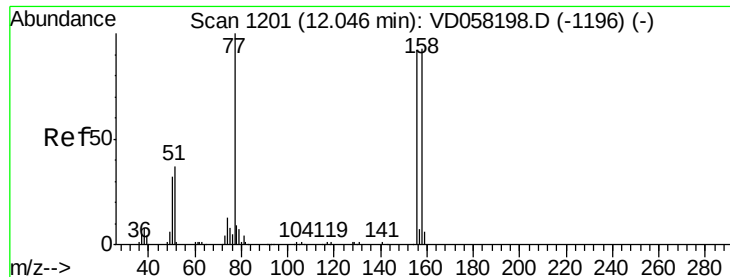
75 100

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: 23.86 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

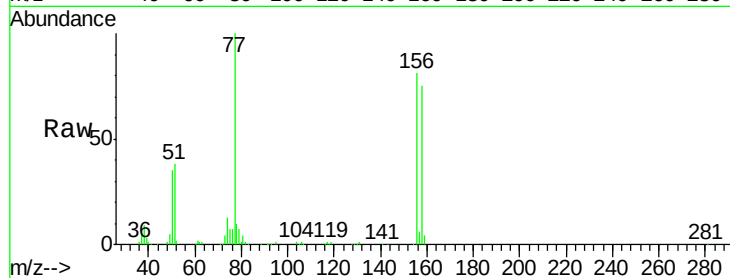
Tot Ion:156 Resp: 213284

Ion Ratio Lower Upper

156 100

77 123.7 54.5 163.6

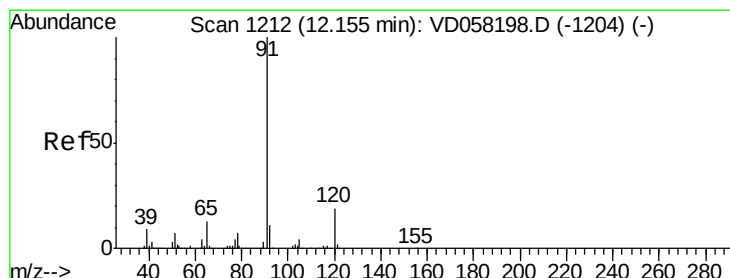
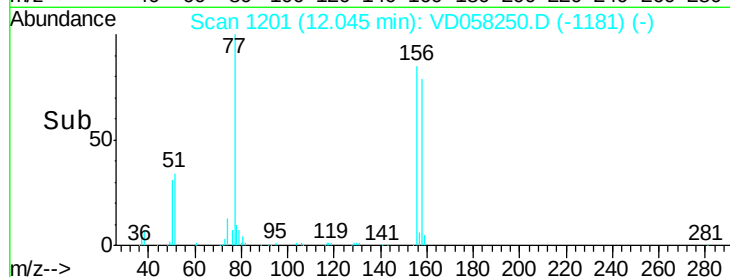
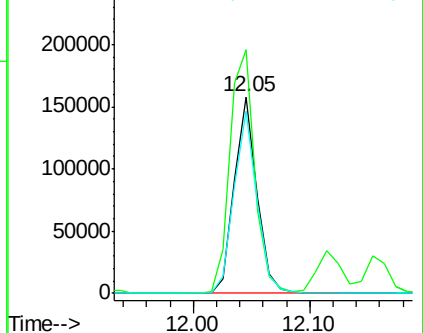
158 92.5 50.8 152.5



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: 23.31 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058250.D

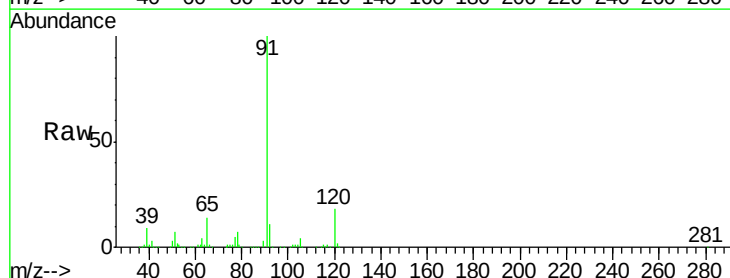
Acq: 21 Jun 2018 14:09

Tgt Ion: 91 Resp: 898591

Ion Ratio Lower Upper

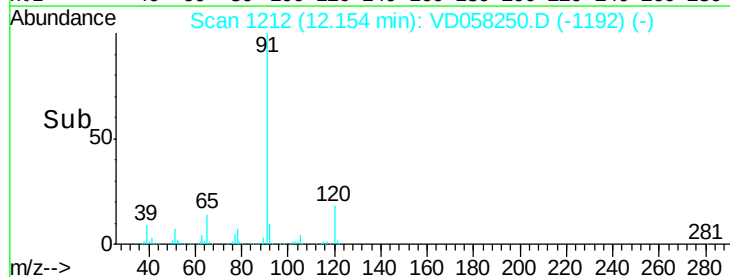
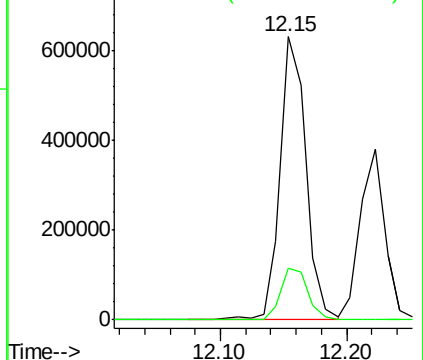
91 100

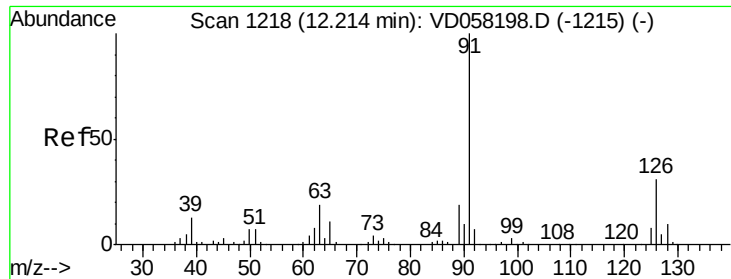
120 18.2 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

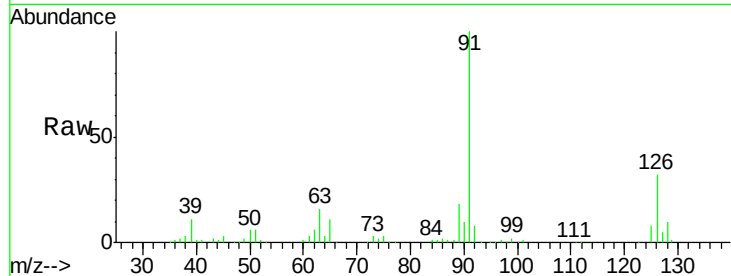




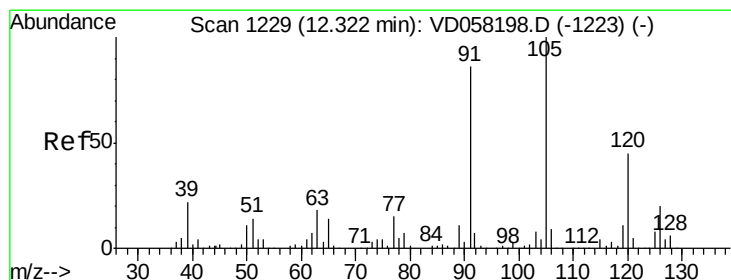
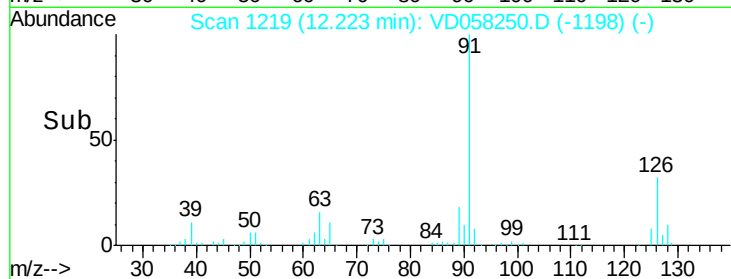
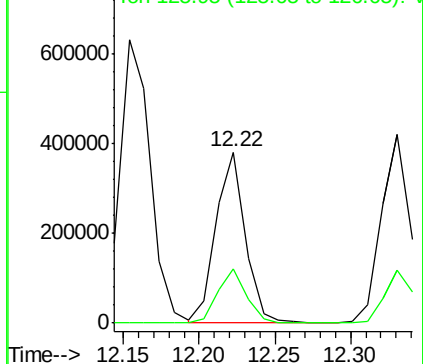
#79
 2-Chlorotoluene
 Concen: 23.11 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

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

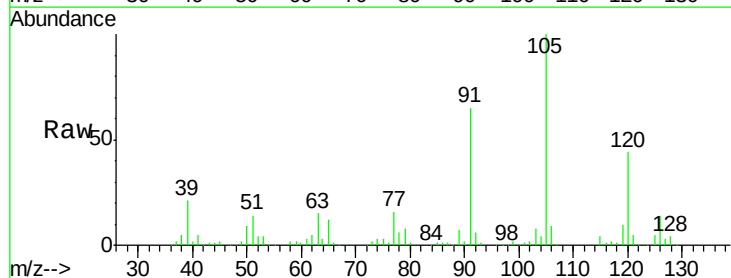


Abundance Ion 91.00 (90.70 to 91.70): VD058198.D (-1215) (-)
 Ion 125.95 (125.65 to 126.65): VD058198.D (-1215) (-)

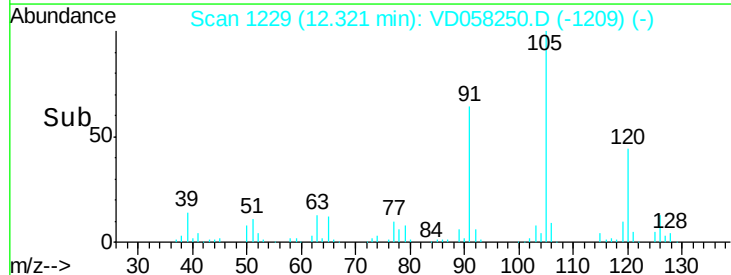
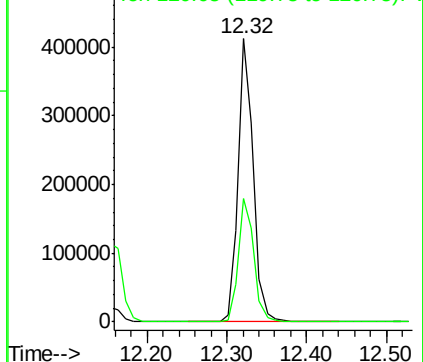


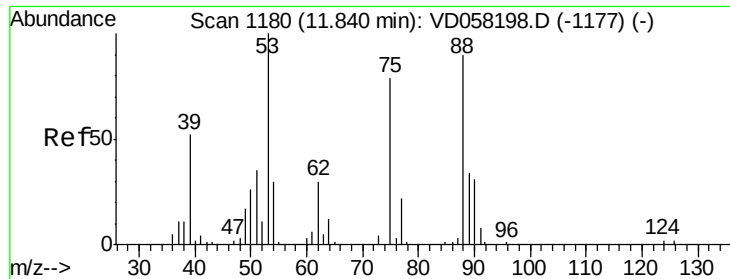
#80
 1,3,5-Trimethylbenzene
 Concen: 23.58 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

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): VD058198.D (-1223) (-)
 Ion 120.05 (119.75 to 120.75): VD058198.D (-1223) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.09 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

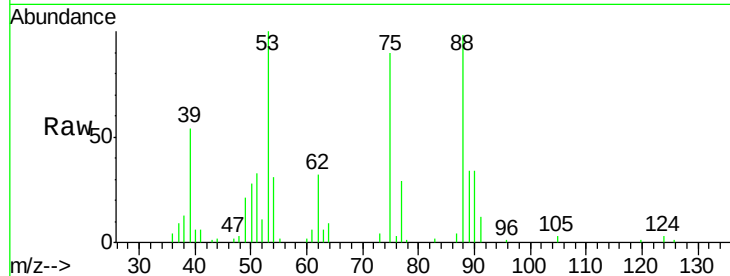
Tot Ion: 75 Resp: 39260

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

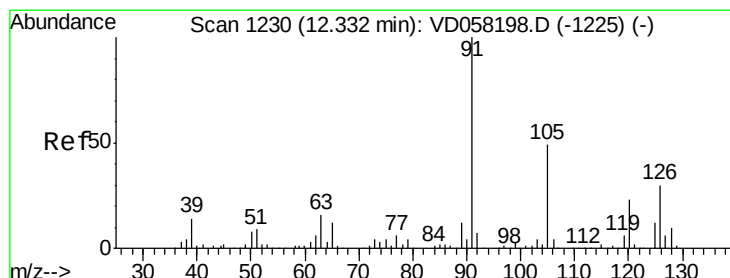
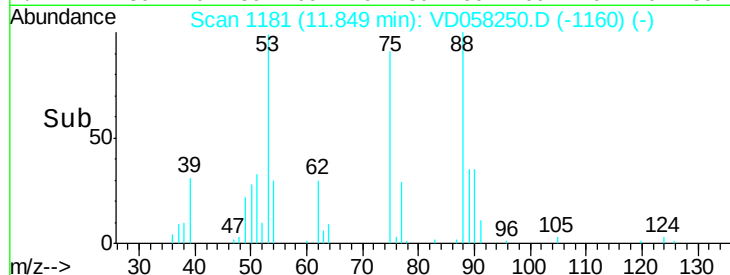
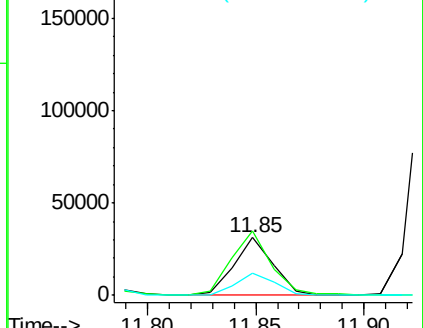
89 38.2 34.6 52.0



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: 23.54 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VD058250.D

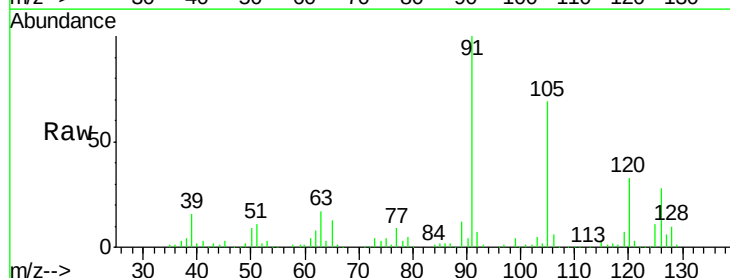
Acq: 21 Jun 2018 14:09

Tgt Ion: 91 Resp: 567912

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.9	44.9

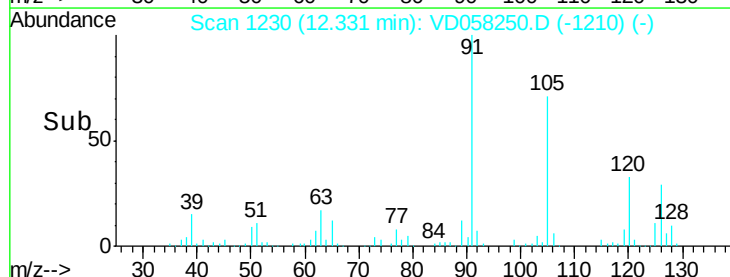
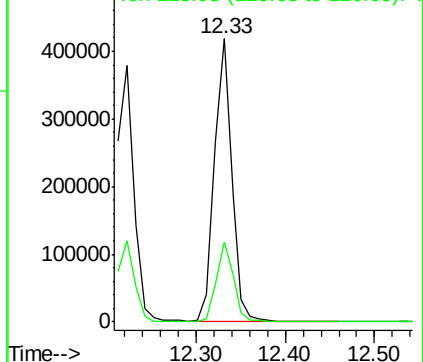
91 100

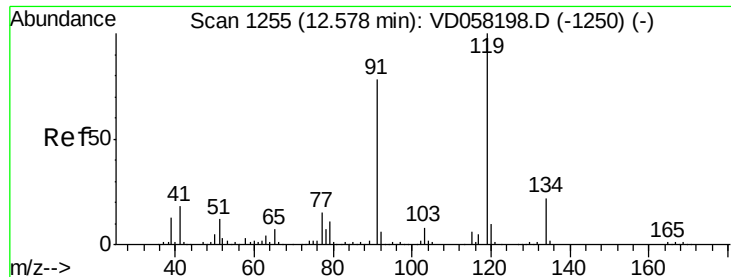
126 28.3 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

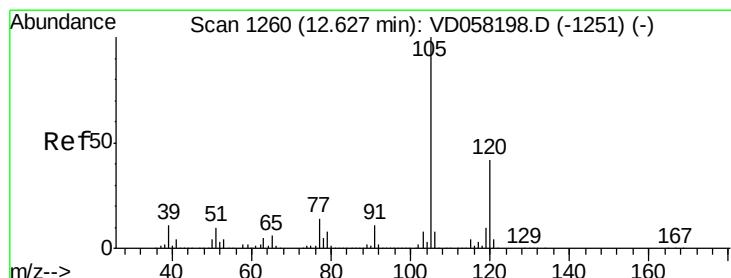
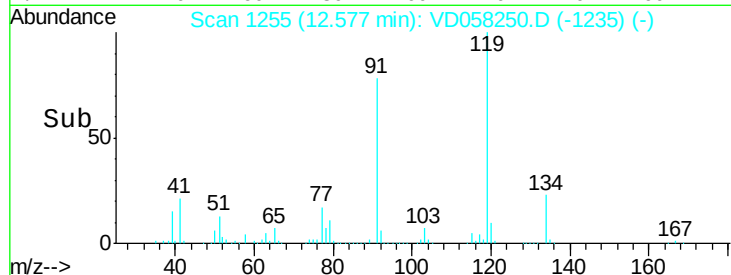
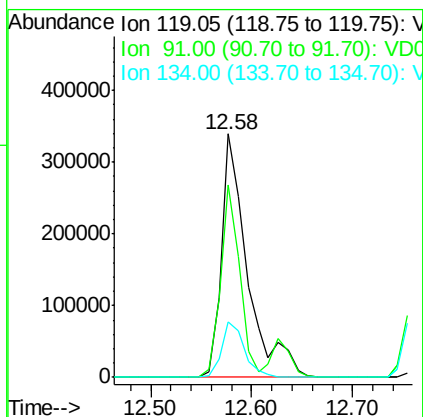
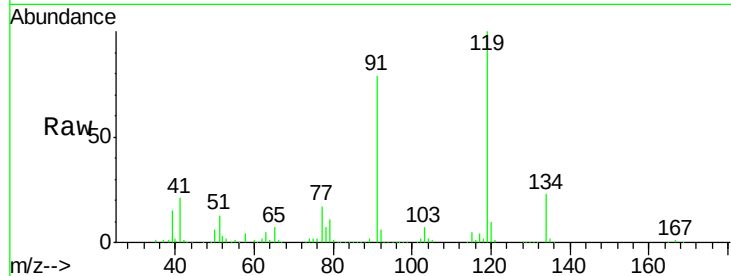




#83
 tert-Butylbenzene
 Concen: 22.75 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

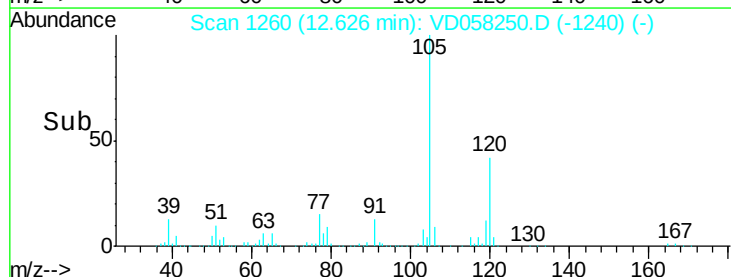
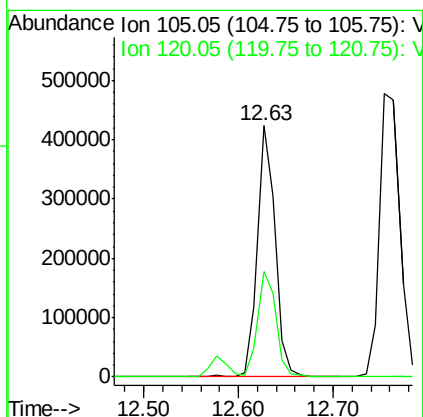
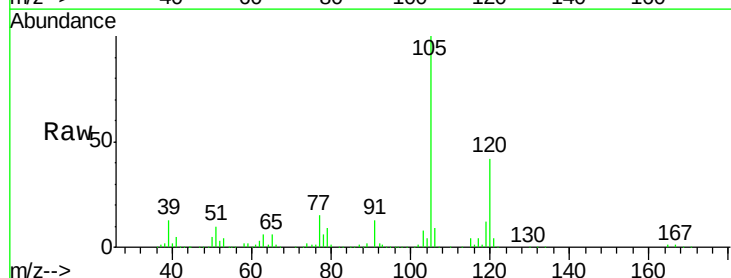
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

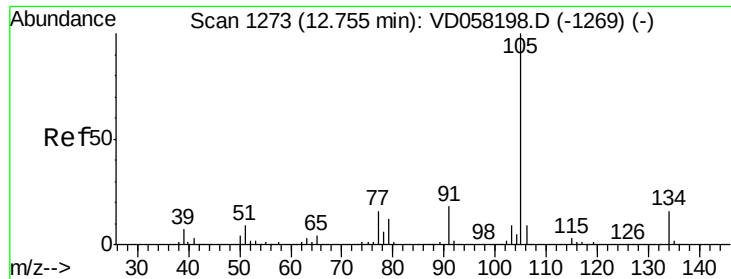
Tot Ion:119 Resp: 609043
 Ion Ratio Lower Upper
 119 100
 91 78.9 38.9 116.6
 134 23.0 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.96 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: 22.96 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 :

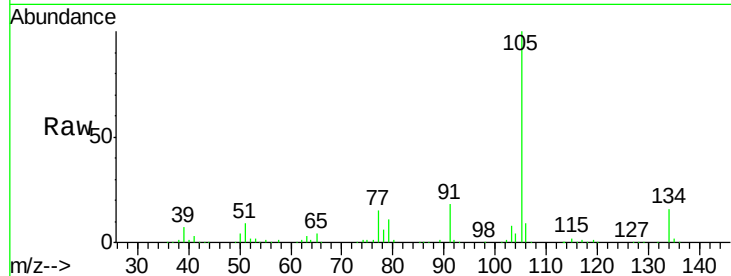
VD0621SBS01

Tot Ion:105 Resp: 720423

Ion Ratio Lower Upper

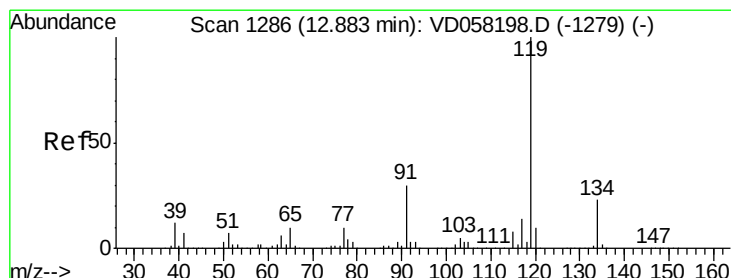
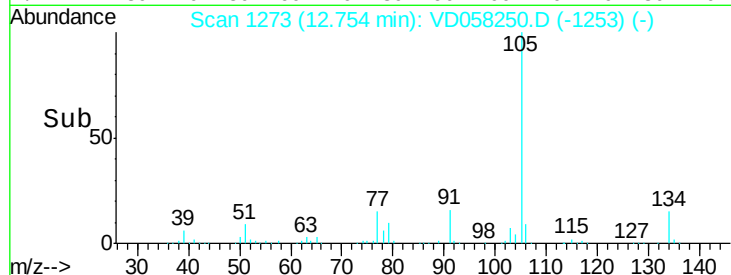
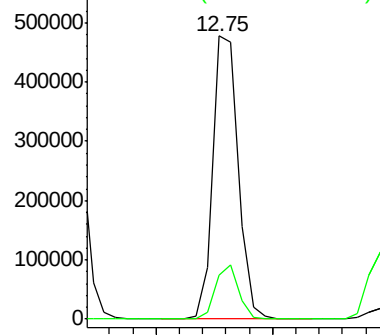
105 100

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: 22.65 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

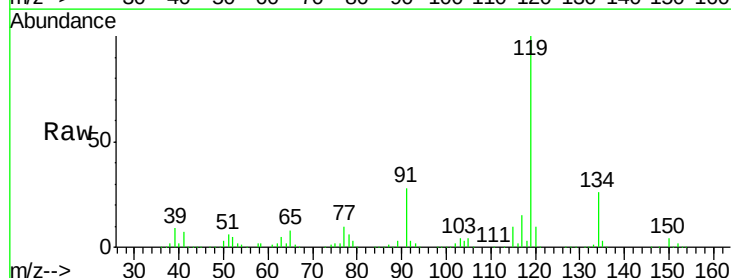
Tgt Ion:119 Resp: 575951

Ion Ratio Lower Upper

119 100

134 25.9 11.6 34.8

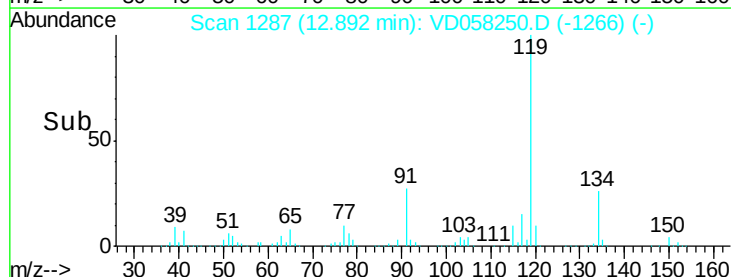
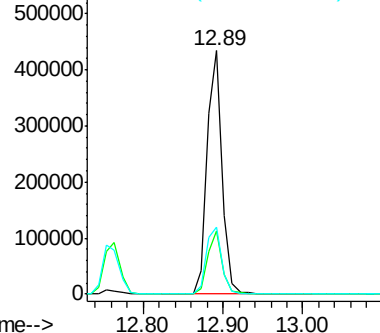
91 27.5 15.0 45.1

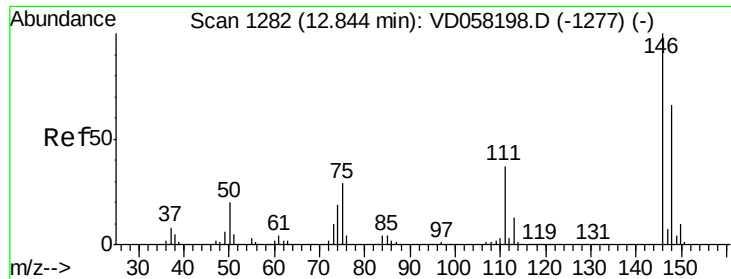


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

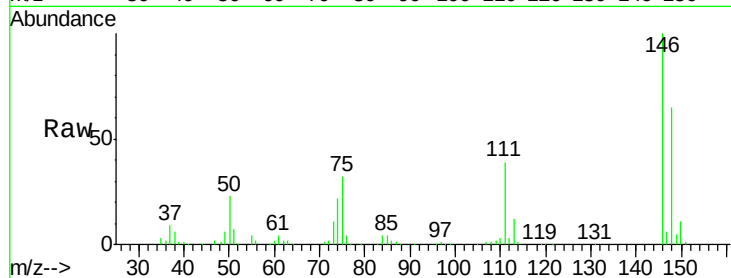




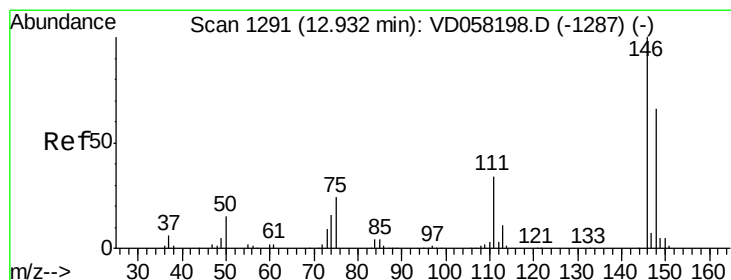
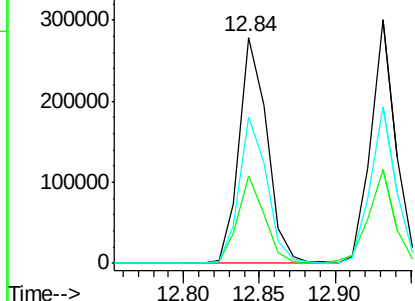
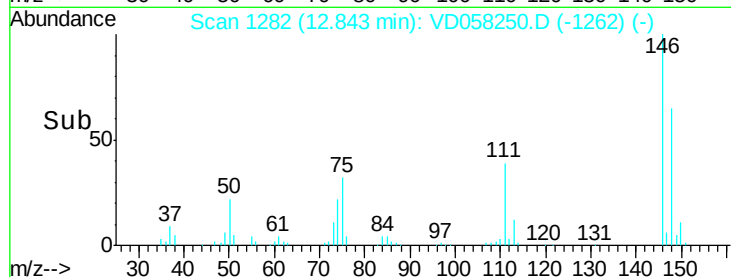
#87
 1,3-Dichlorobenzene
 Concen: 23.08 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

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

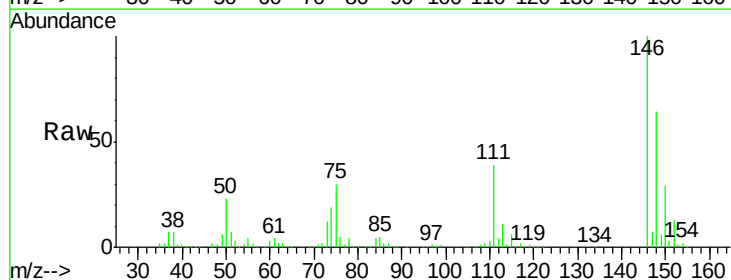


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

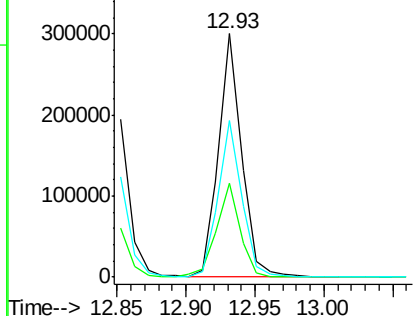
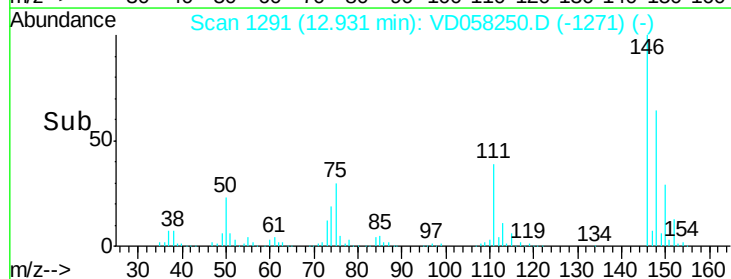


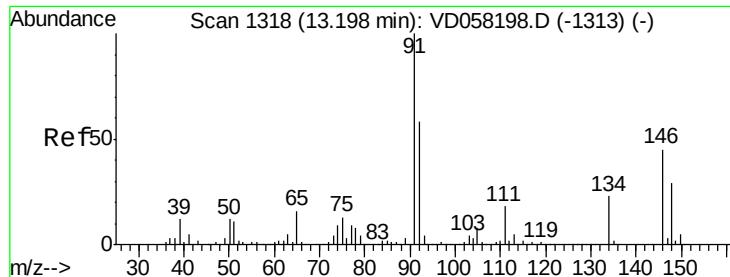
#88
 1,4-Dichlorobenzene
 Concen: 22.79 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

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



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





#89

n-Butylbenzene

Concen: 23.36 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

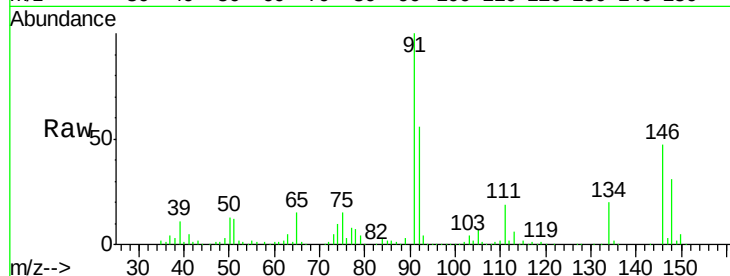
Tot Ion: 91 Resp: 624133

Ion Ratio Lower Upper

91 100

92 56.1 29.2 87.6

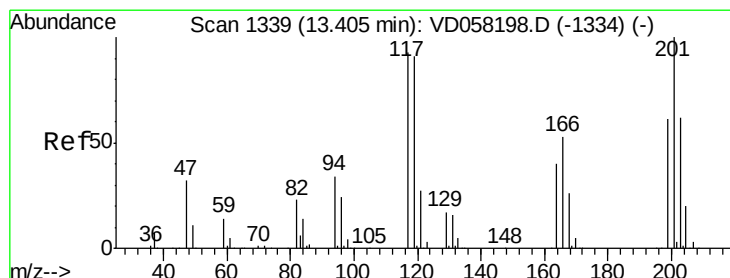
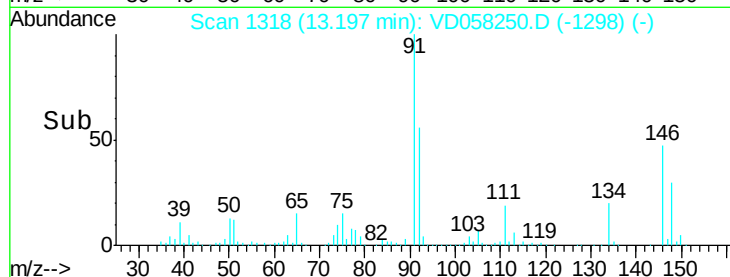
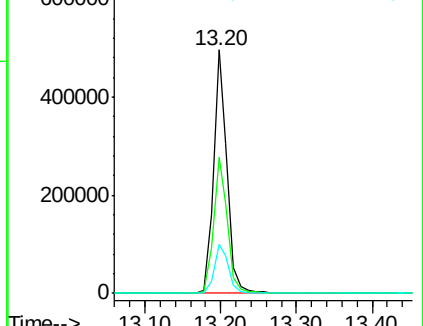
134 19.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.99 ug/l

RT: 13.40 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VD058250.D

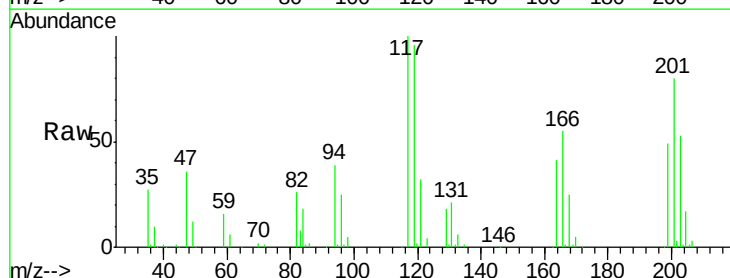
Acq: 21 Jun 2018 14:09

Tgt Ion: 117 Resp: 151693

Ion Ratio Lower Upper

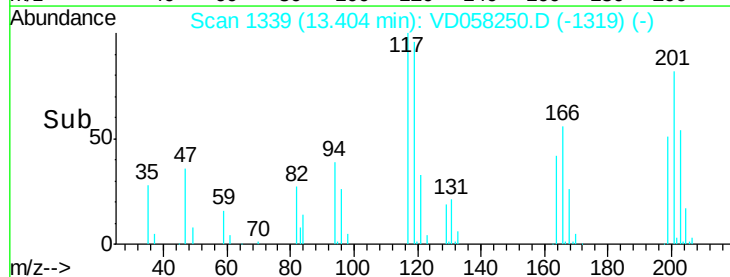
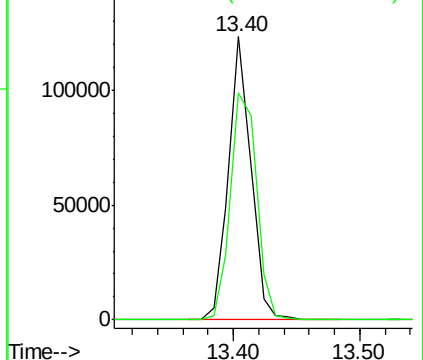
117 100

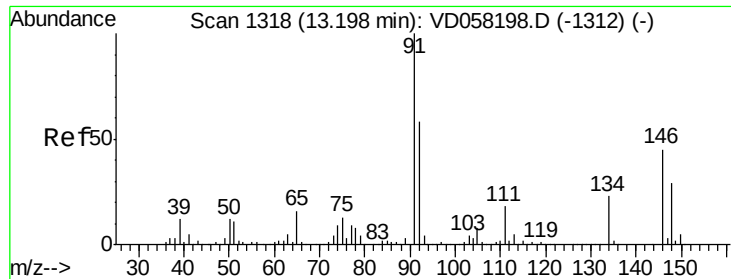
201 80.1 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

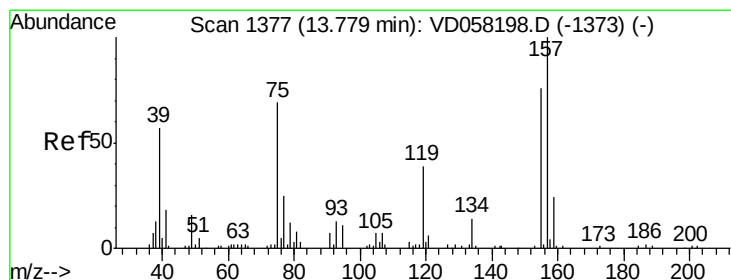
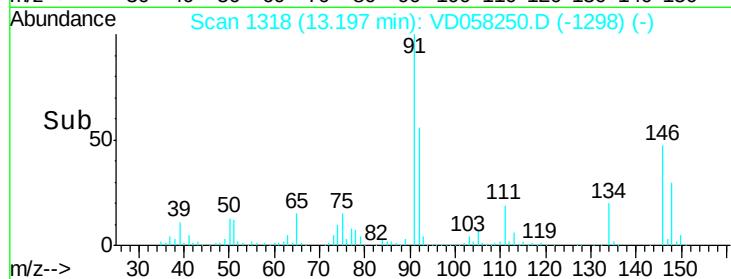
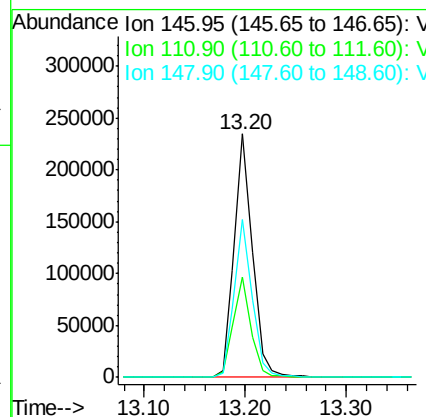
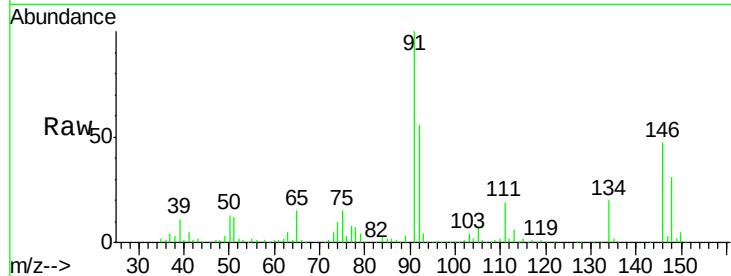




#91
 1,2-Dichlorobenzene
 Concen: 22.48 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

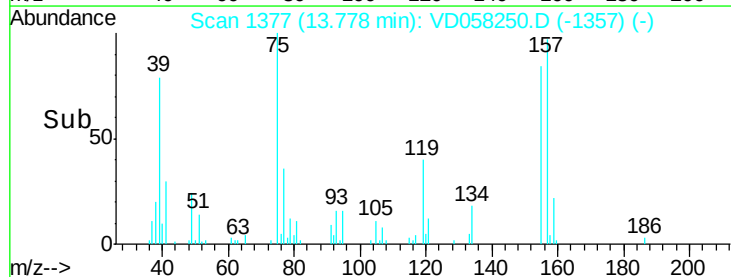
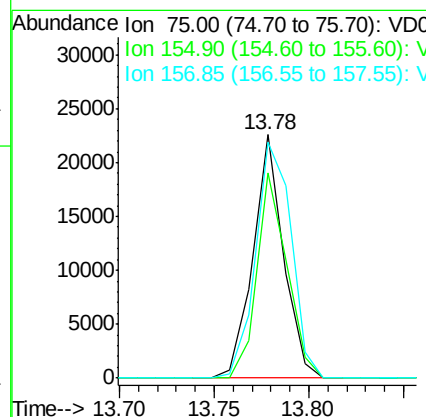
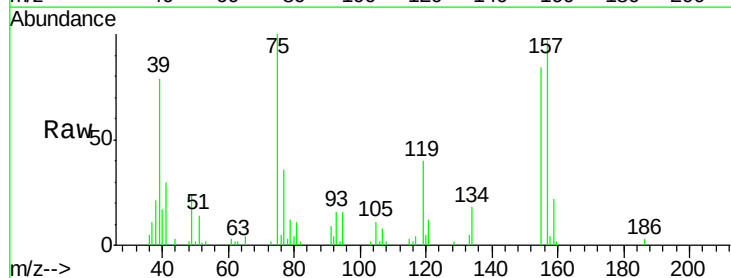
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBSD01

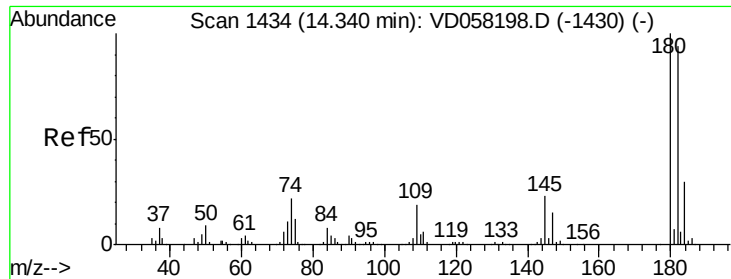
Tot Ion:146 Resp: 297253
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.6 58.7
 148 64.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.70 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

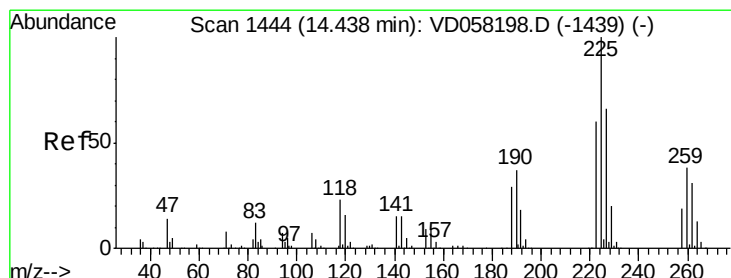
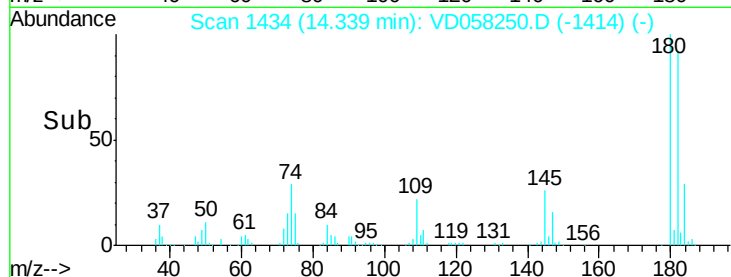
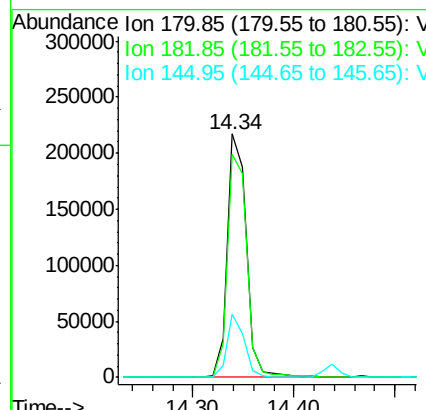
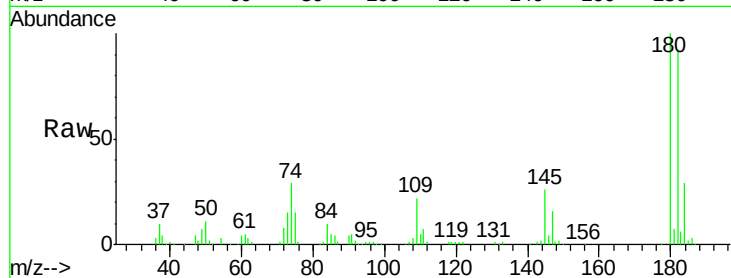




#93
 1,2,4-Trichlorobenzene
 Concen: 22.64 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058250.D
 Acq: 21 Jun 2018 14:09

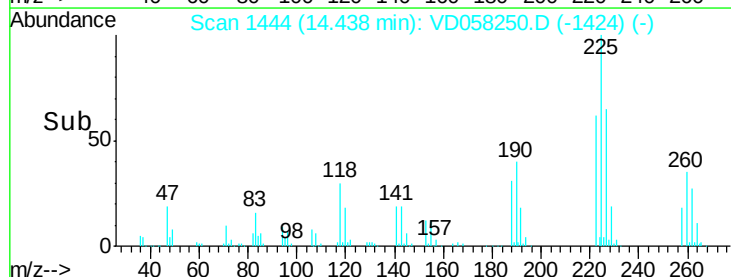
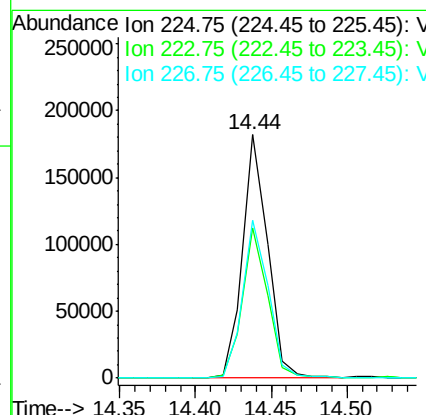
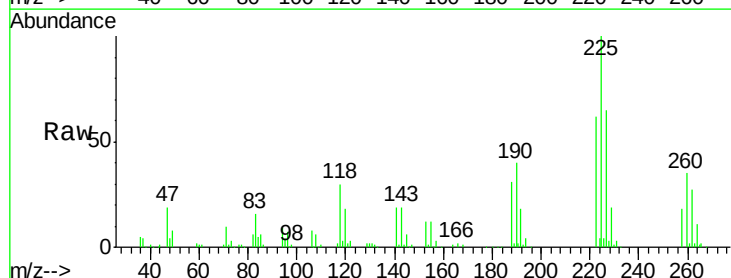
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0621SBS01

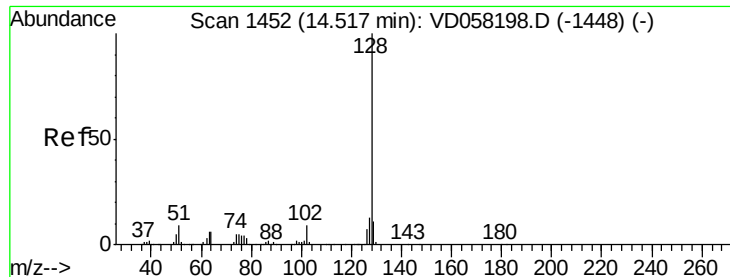
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.1	141.3
145	26.0	11.7	35.0



#94
 Hexachlorobutadiene
 Concen: 21.22 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





#95

Naphthalene

Concen: 21.21 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

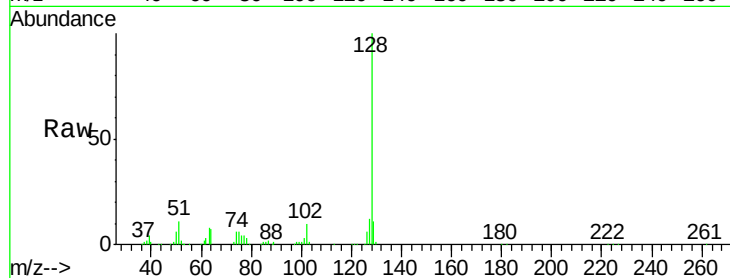
Tot Ion:128 Resp: 353340

Ion Ratio Lower Upper

128 100

127 12.3 10.0 15.0

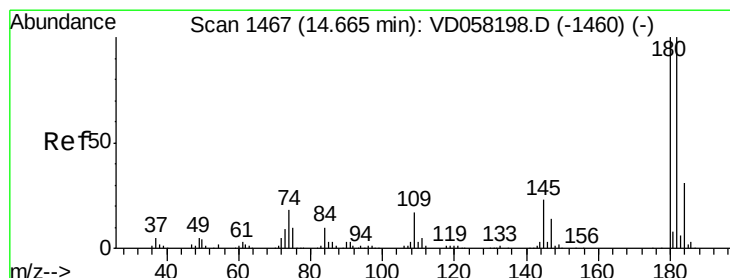
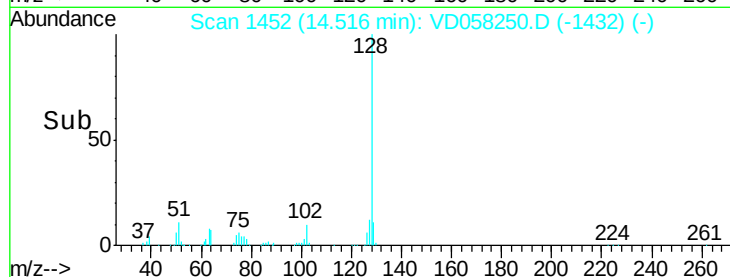
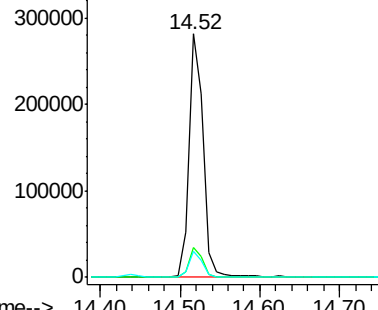
129 10.6 8.7 13.1



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: 21.84 ug/l

RT: 14.66 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD058250.D

Acq: 21 Jun 2018 14:09

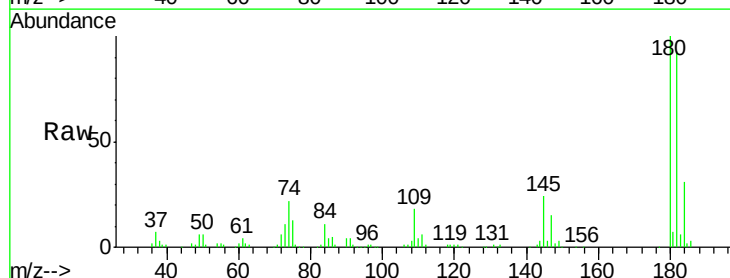
Tgt Ion:180 Resp: 241752

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

