

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058231.D
 Acq On : 21 Jun 2018 3:09
 Operator : VA/AP
 Sample : J3245-13
 Misc : 6.35g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-061918-C

Quant Time: Jun 21 05:18:26 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	674031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	871392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	687631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	297166	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	379488	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	5.56	113	396544	55.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.82%	
50) Toluene-d8	8.72	98	823582	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.94	95	309315	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	

Target Compounds

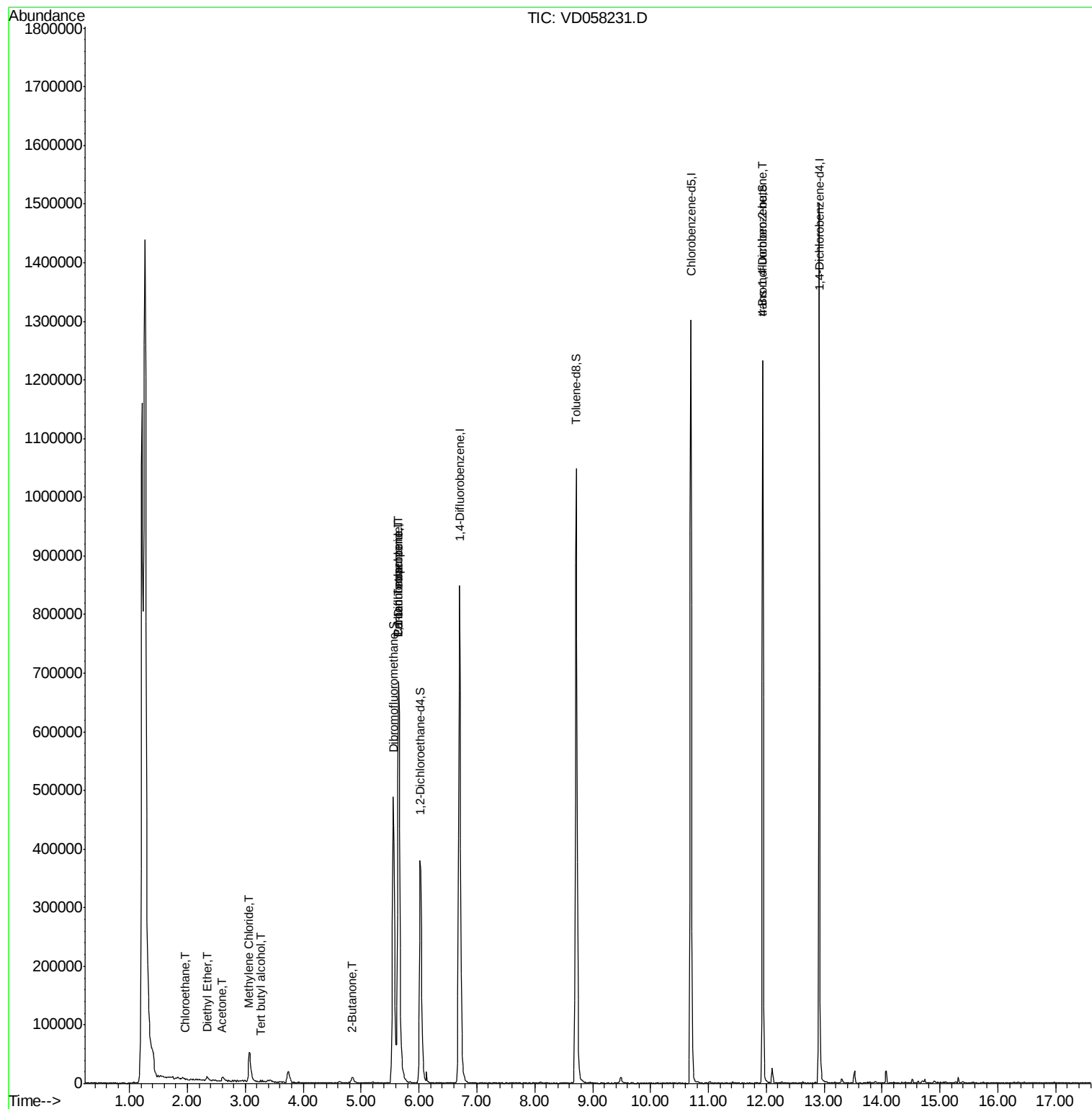
					Qvalue	
3) Chloromethane	1.57	50	337	Below Cal	#	43
6) Chloroethane	1.96	64	276	1.586	ug/l #	41
8) Diethyl Ether	2.34	74	1750	1.709	ug/l	68
11) Tert butyl alcohol	3.26	59	274	1.220	ug/l #	78
16) Acetone	2.61	43	14969	16.077	ug/l #	92
20) Methylene Chloride	3.07	84	24398	5.828	ug/l	96
25) 2-Butanone	4.85	43	2830	1.395	ug/l #	60
31) Cyclohexane	5.65	56	16071	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	55570	6.446	ug/l #	49
38) Carbon Tetrachloride	5.65	117	54116	6.318	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.94	75	153677	145.228	ug/l #	1
82) 4-Chlorotoluene	12.32	91	265	Below Cal	#	45

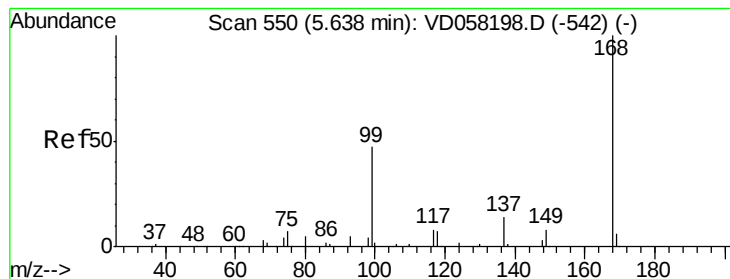
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
Data File : VD058231.D
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Operator : VA/AP
Sample : J3245-13
Misc : 6.35g/5ml/MSVOA D/SOIL
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CL-02-061918-C

Quant Time: Jun 21 05:18:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058231.D

Acq: 21 Jun 2018 3:09

Instrument :

MSVOA_D

ClientSampleId :

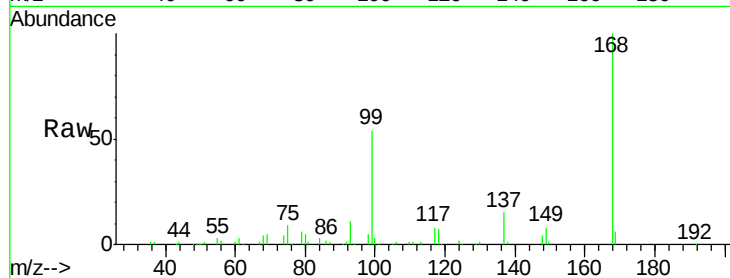
CL-02-061918-C

Tot Ion:168 Resp: 674031

Ion Ratio Lower Upper

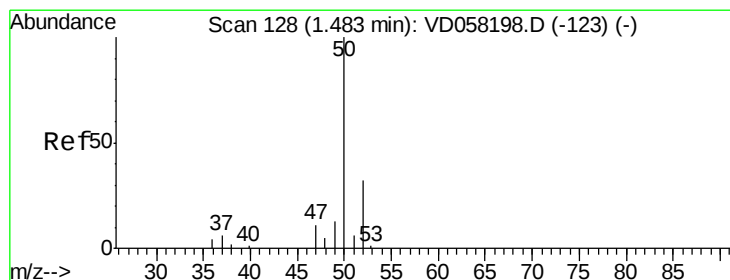
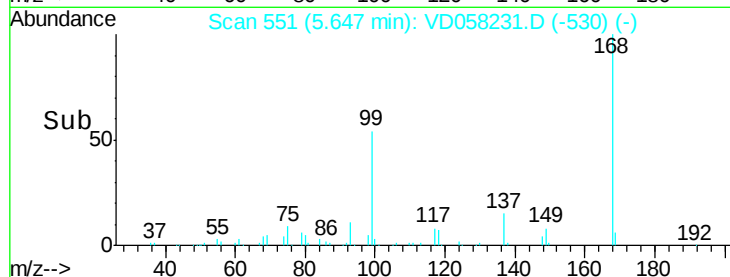
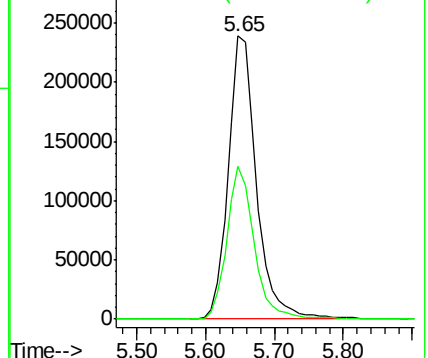
168 100

99 53.9 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.57 min Scan# 137

Delta R.T. 0.09 min

Lab File: VD058231.D

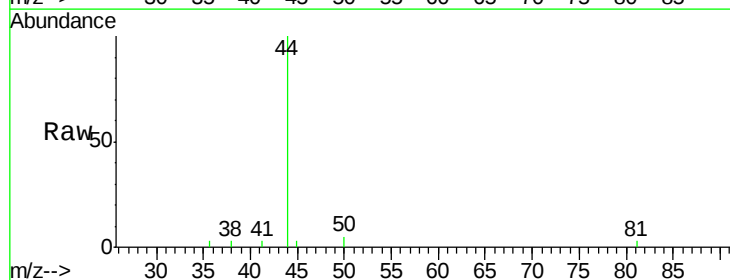
Acq: 21 Jun 2018 3:09

Tgt Ion: 50 Resp: 337

Ion Ratio Lower Upper

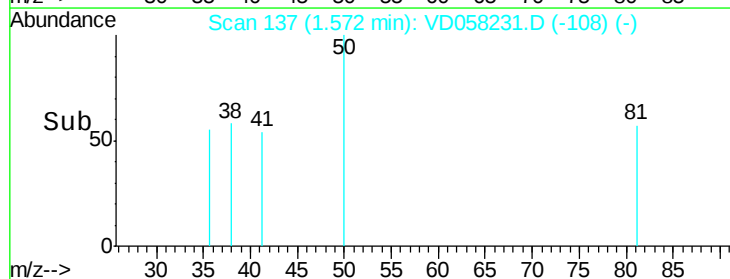
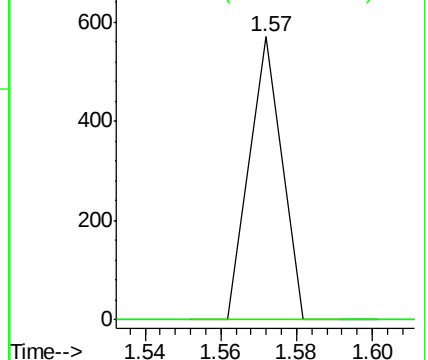
50 100

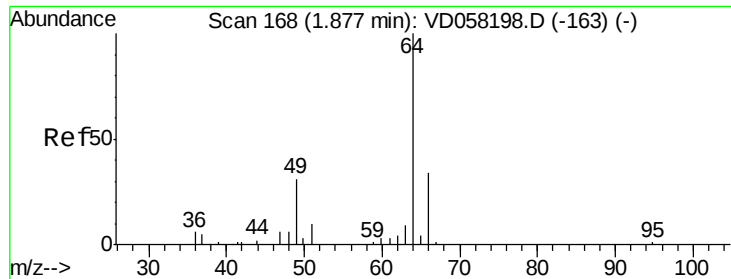
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#6

Chloroethane

Concen: 1.586 ug/l

RT: 1.96 min Scan# 176

Delta R.T. 0.08 min

Lab File: VD058231.D

Acq: 21 Jun 2018 3:09

Instrument :

MSVOA_D

ClientSampleId :

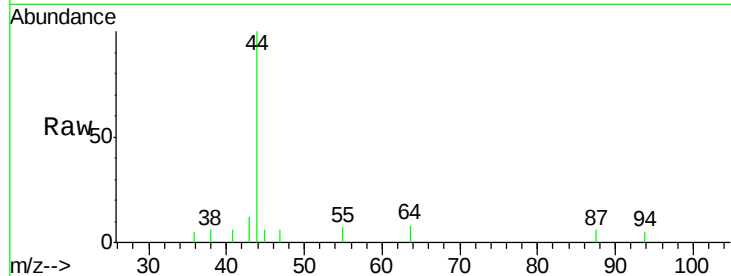
CL-02-061918-C

Tot Ion: 64 Resp: 276

Ion Ratio Lower Upper

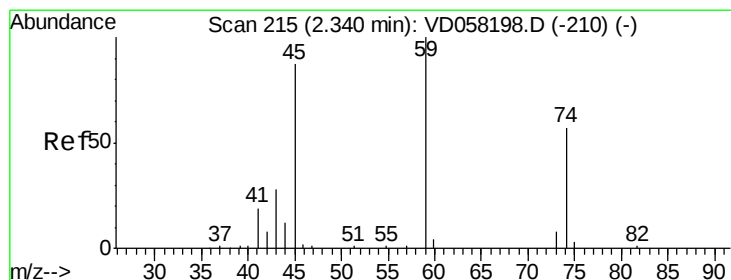
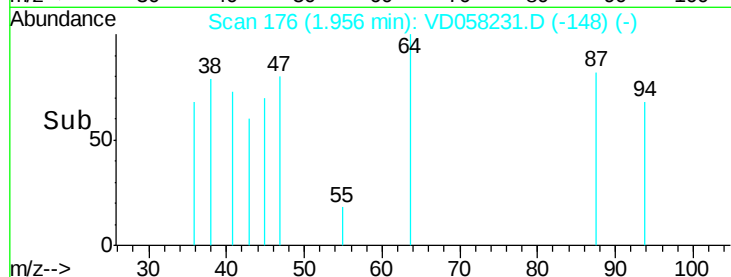
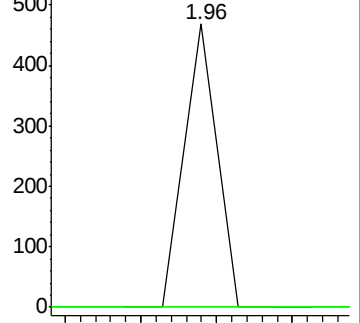
64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Diethyl Ether

Concen: 1.709 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.00 min

Lab File: VD058231.D

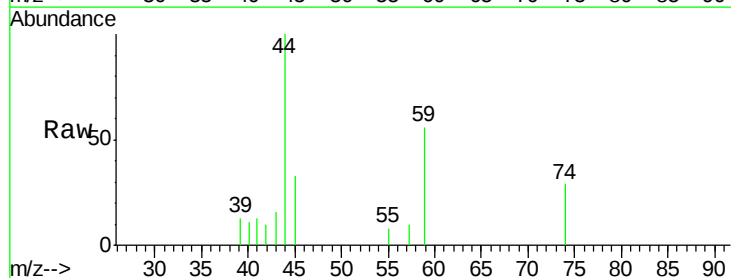
Acq: 21 Jun 2018 3:09

Tgt Ion: 74 Resp: 1750

Ion Ratio Lower Upper

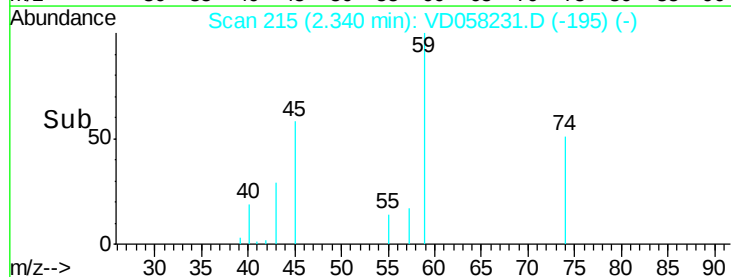
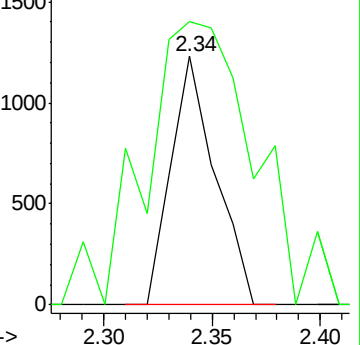
74 100

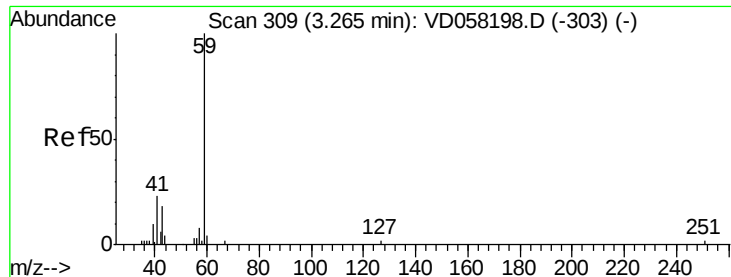
45 114.0 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



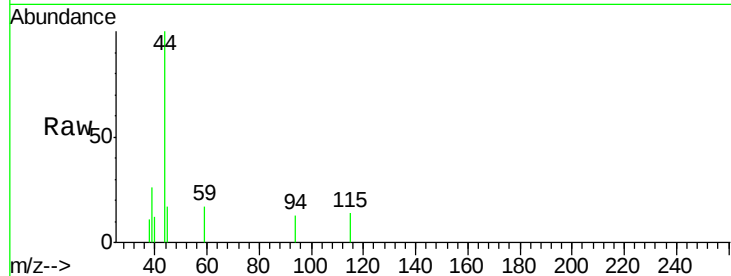


#11

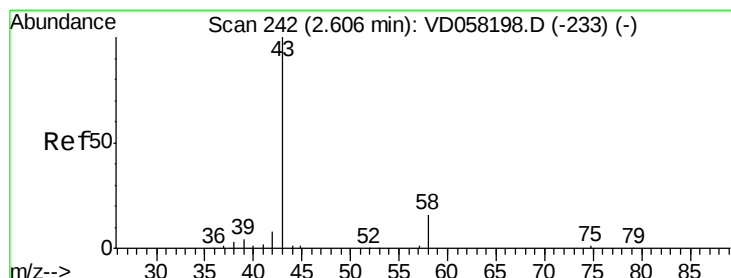
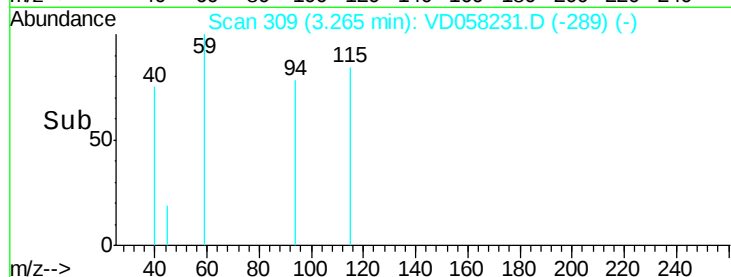
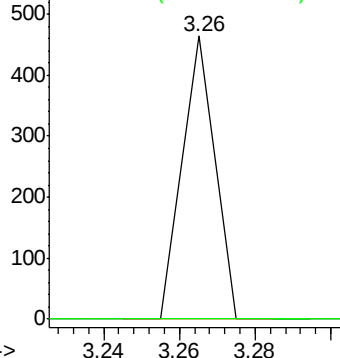
Tert butyl alcohol
 Concen: 1.220 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. -0.00 min
 Lab File: VD058231.D
 Acq: 21 Jun 2018 3:09

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-061918-C

Tot Ion: 59 Resp: 274
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#



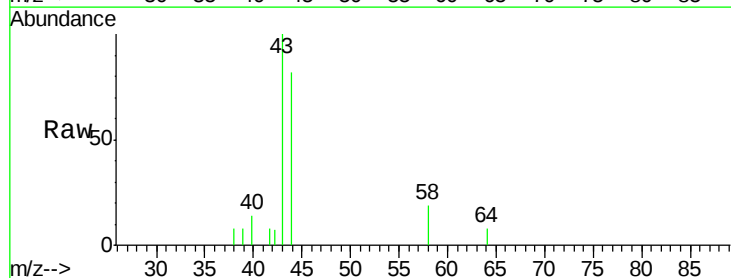
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



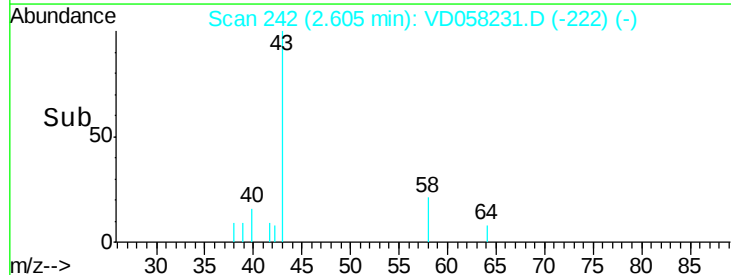
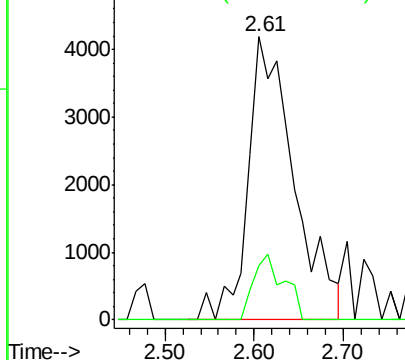
#16

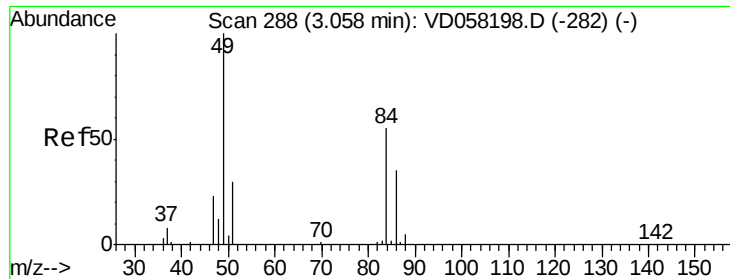
Acetone
 Concen: 16.077 ug/l
 RT: 2.61 min Scan# 242
 Delta R.T. -0.00 min
 Lab File: VD058231.D
 Acq: 21 Jun 2018 3:09

Tgt Ion: 43 Resp: 14969
 Ion Ratio Lower Upper
 43 100
 58 19.2 12.7 19.1#



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

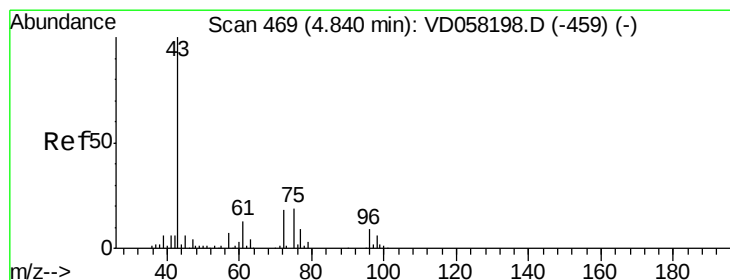
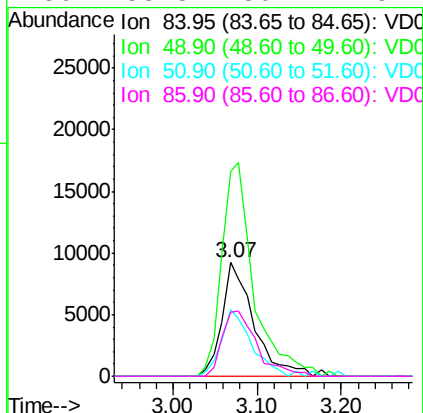
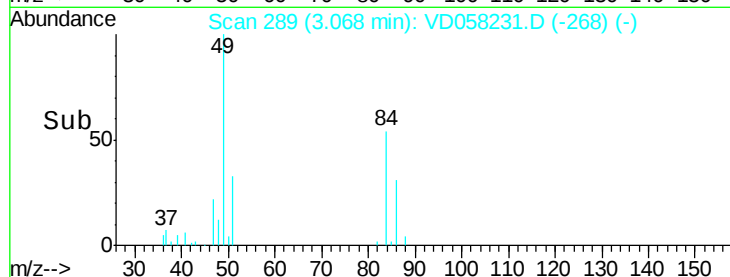
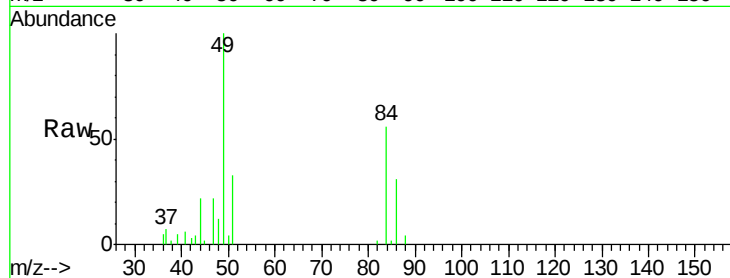




#20
Methvlene Chloride
Concen: 5.828 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058231.D
Acq: 21 Jun 2018 3:09

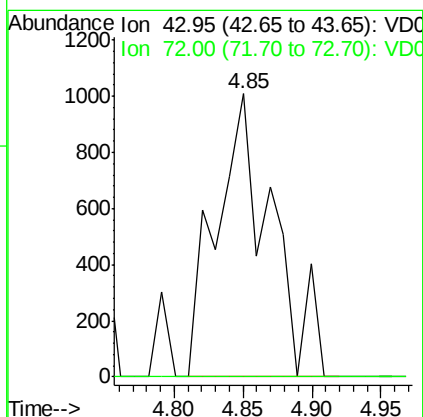
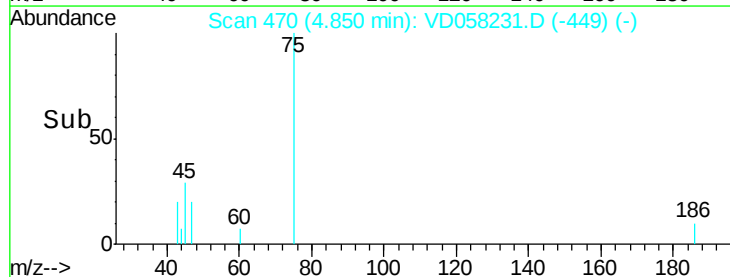
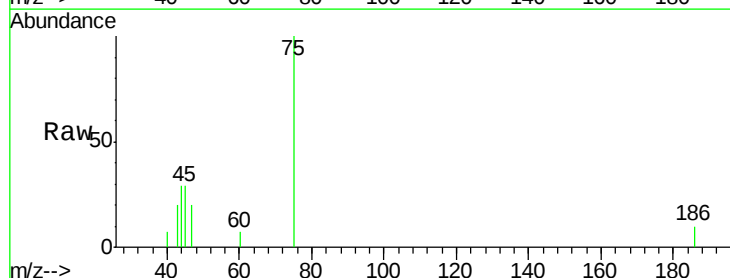
Instrument :
MSVOA_D
ClientSampleId :
CL-02-061918-C

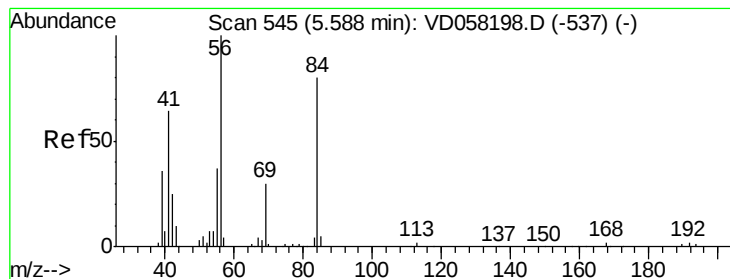
Tot Ion: 84 Resp: 24398
Ion Ratio Lower Upper
84 100
49 180.0 145.0 217.6
51 58.7 42.9 64.3
86 55.8 50.1 75.1



#25
2-Butanone
Concen: 1.395 ug/l
RT: 4.85 min Scan# 470
Delta R.T. 0.01 min
Lab File: VD058231.D
Acq: 21 Jun 2018 3:09

Tgt Ion: 43 Resp: 2830
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.06 min

Lab File: VD058231.D

Acq: 21 Jun 2018 3:09

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-C

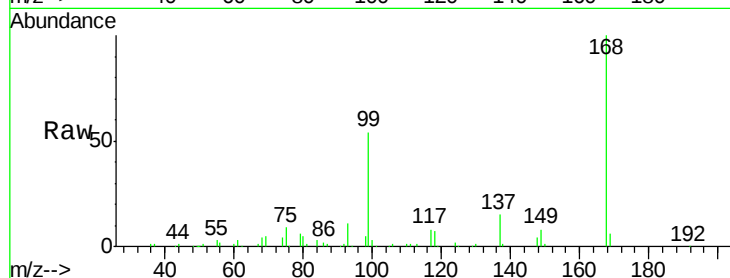
Tot Ion: 56 Resp: 16071

Ion Ratio Lower Upper

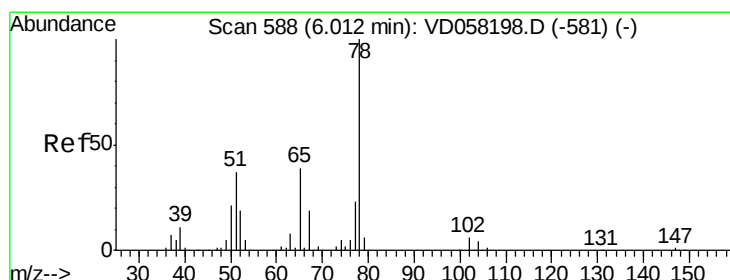
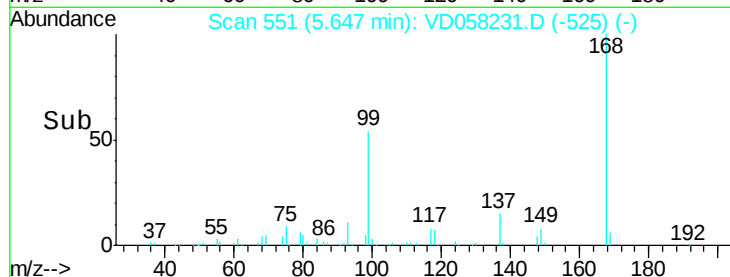
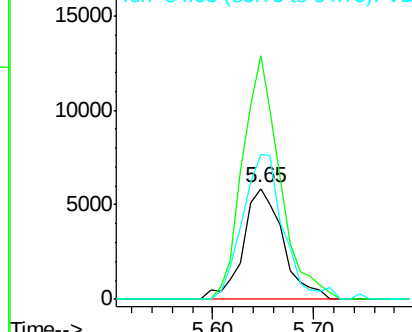
56 100

69 219.6 23.6 35.4#

84 130.3 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



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058231.D

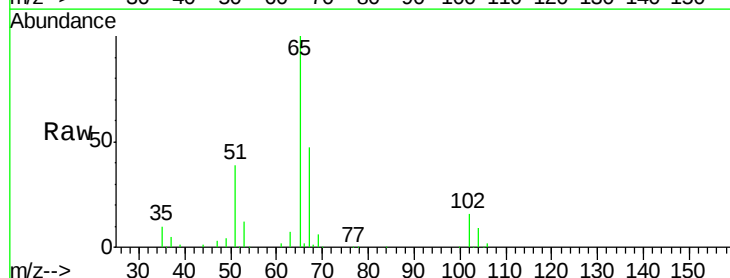
Acq: 21 Jun 2018 3:09

Tgt Ion: 65 Resp: 379488

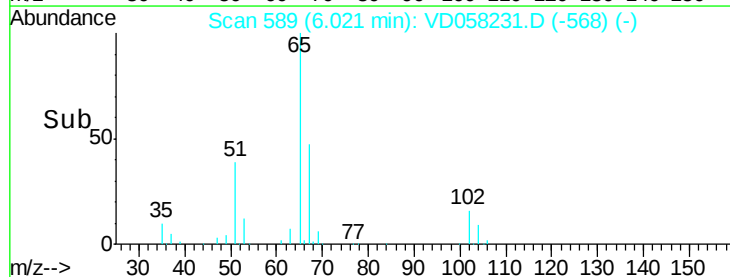
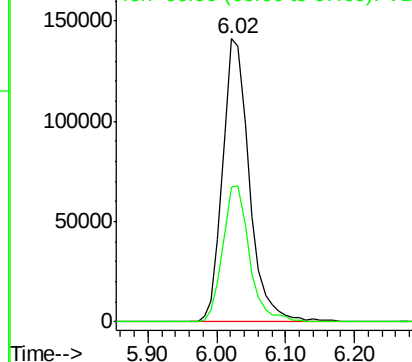
Ion Ratio Lower Upper

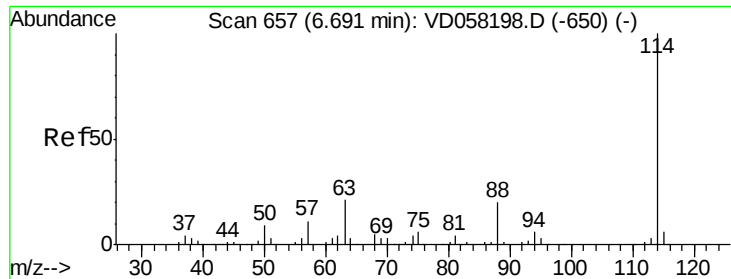
65 100

67 47.5 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

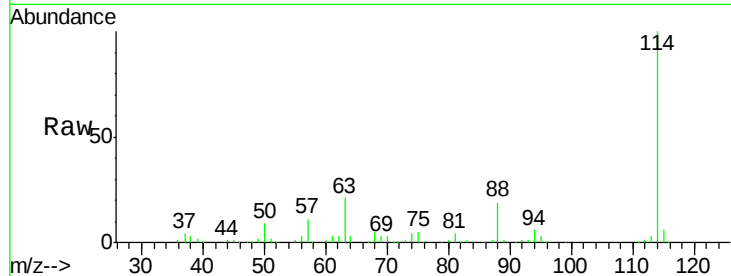




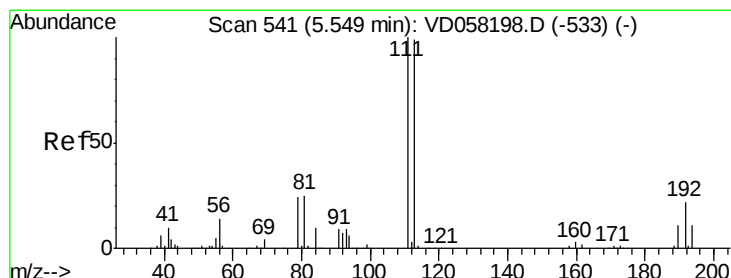
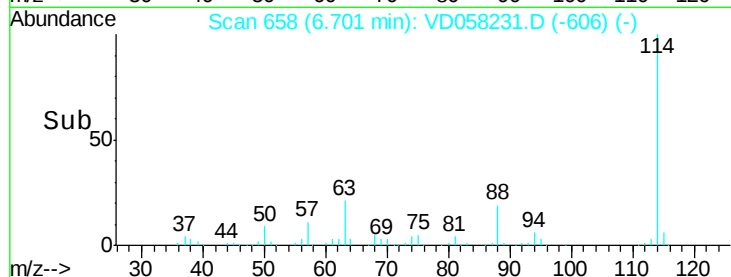
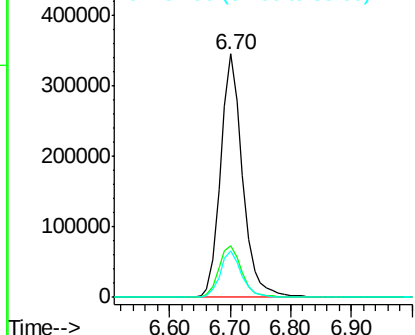
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058231.D
 Acq: 21 Jun 2018 3:09

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-061918-C

Tot Ion:114 Resp: 871392
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.6
 88 18.9 0.0 40.6

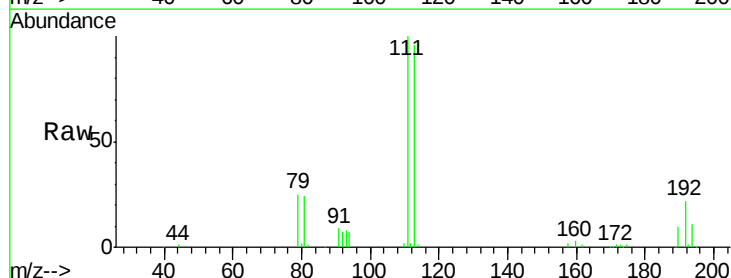


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

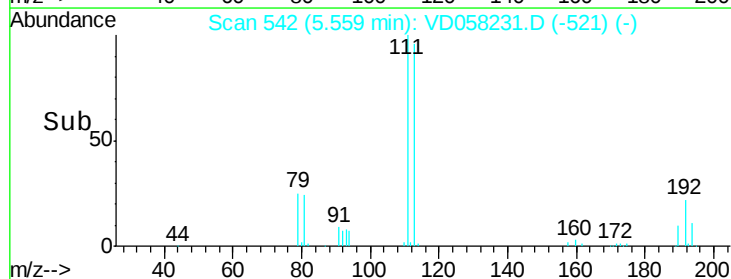
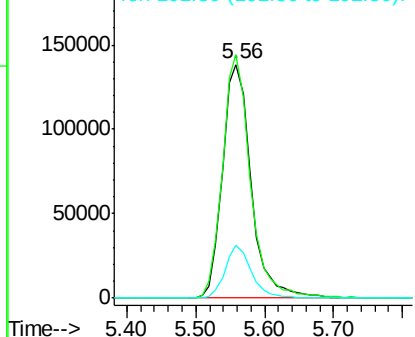


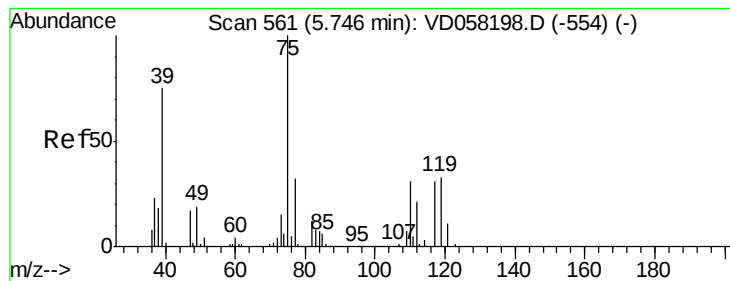
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058231.D
 Acq: 21 Jun 2018 3:09

Tgt Ion:113 Resp: 396544
 Ion Ratio Lower Upper
 113 100
 111 104.1 80.6 121.0
 192 22.5 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: 6.446 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058231.D

Acq: 21 Jun 2018 3:09

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-C

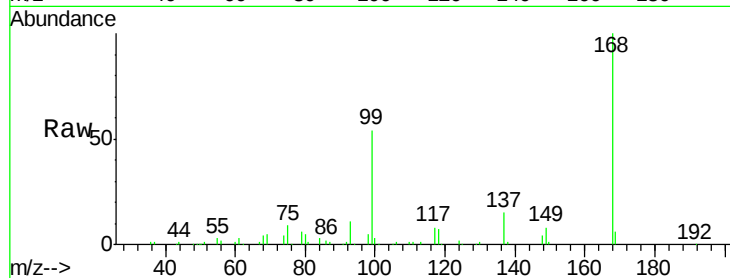
Tot Ion: 75 Resp: 55570

Ion Ratio Lower Upper

75 100

110 6.5 15.4 46.4#

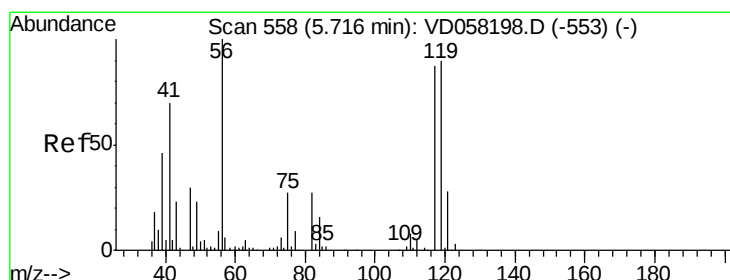
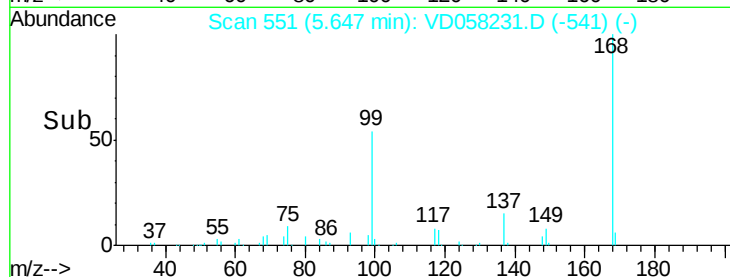
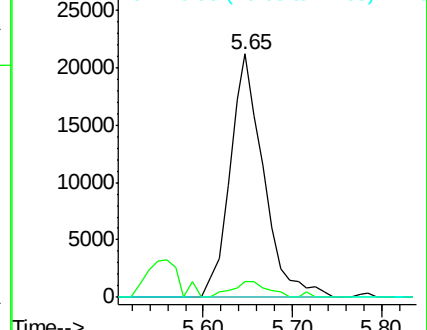
77 0.0 25.4 38.2#



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



#38

Carbon Tetrachloride

Concen: 6.318 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058231.D

Acq: 21 Jun 2018 3:09

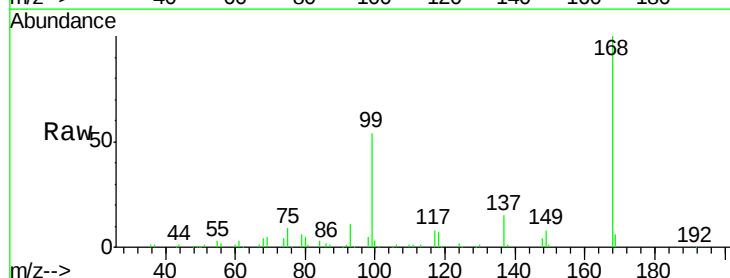
Tgt Ion: 117 Resp: 54116

Ion Ratio Lower Upper

117 100

119 3.1 78.8 118.2#

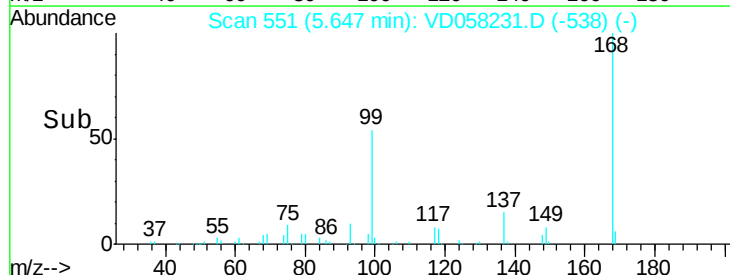
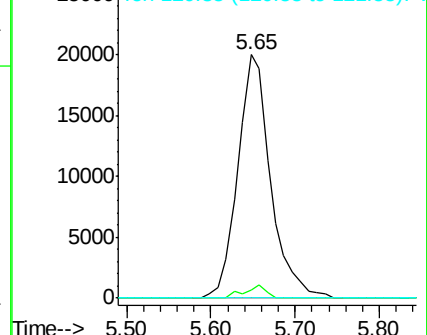
121 0.0 25.0 37.6#

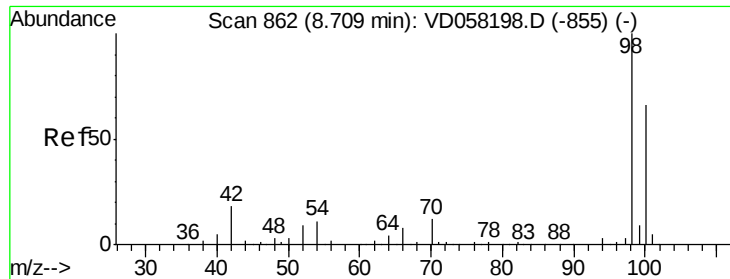


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

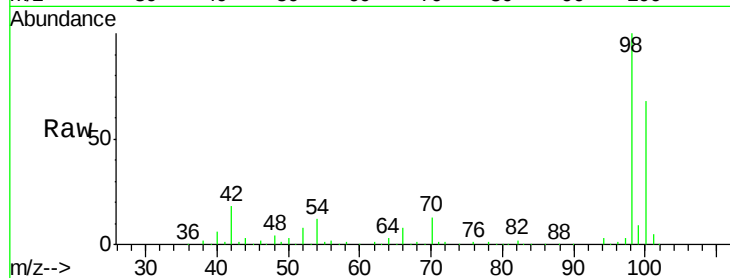




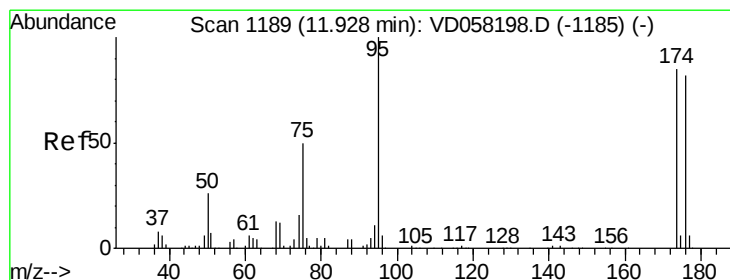
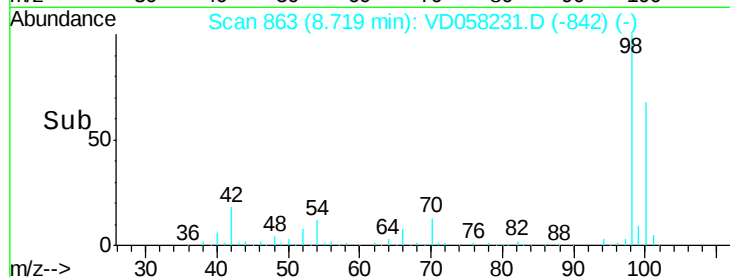
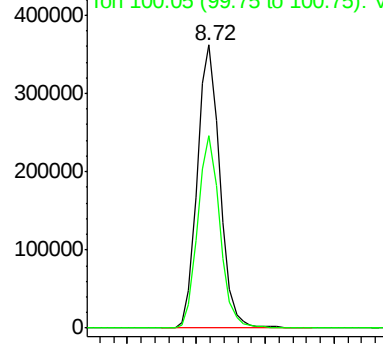
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058231.D
Acq: 21 Jun 2018 3:09

Instrument :
MSVOA_D
ClientSampleId :
CL-02-061918-C

Tot Ion: 98 Resp: 823582
Ion Ratio Lower Upper
98 100
100 67.9 53.6 80.4

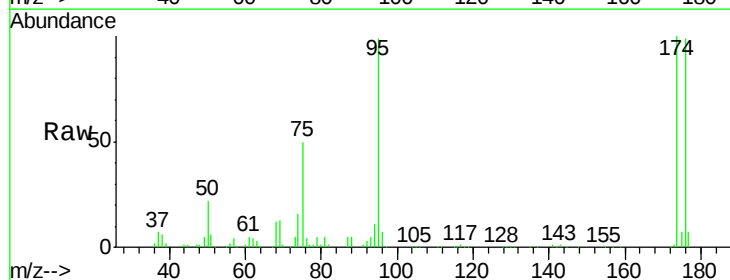


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

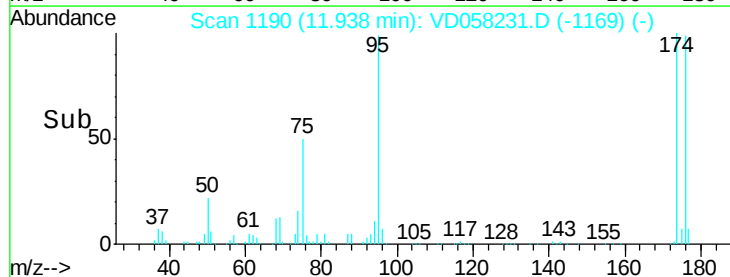
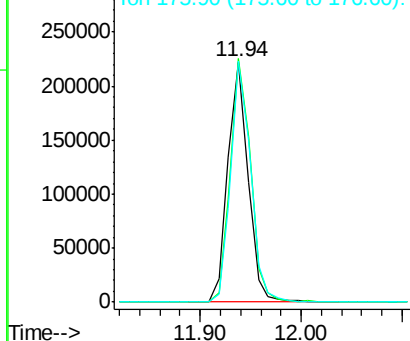


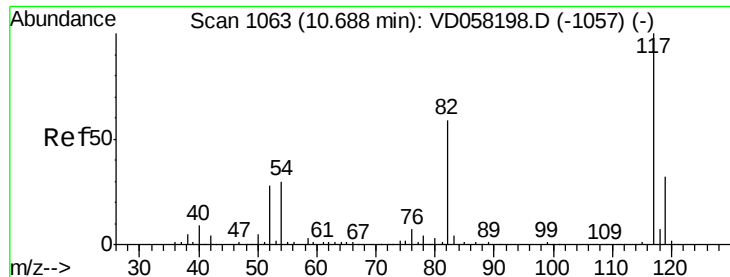
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058231.D
Acq: 21 Jun 2018 3:09

Tgt Ion: 95 Resp: 309315
Ion Ratio Lower Upper
95 100
174 101.4 0.0 170.2
176 100.3 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)
Ion 173.90 (173.60 to 174.60): VD058198.D (-1185) (-)
Ion 175.90 (175.60 to 176.60): VD058198.D (-1185) (-)

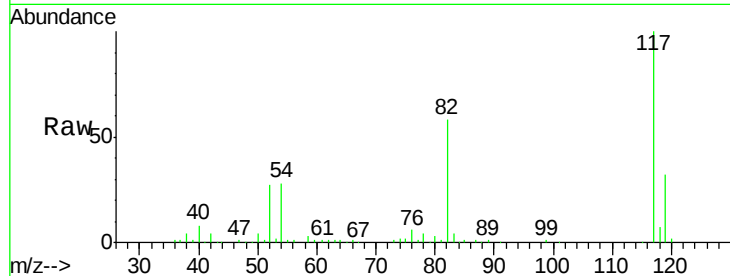




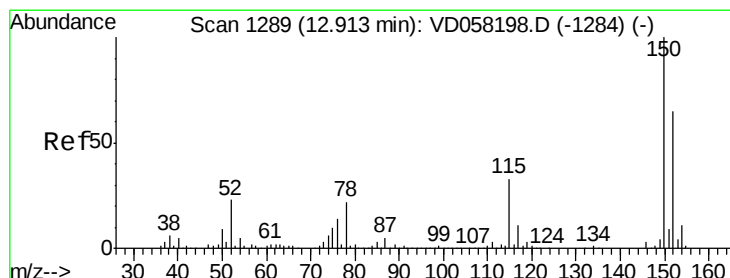
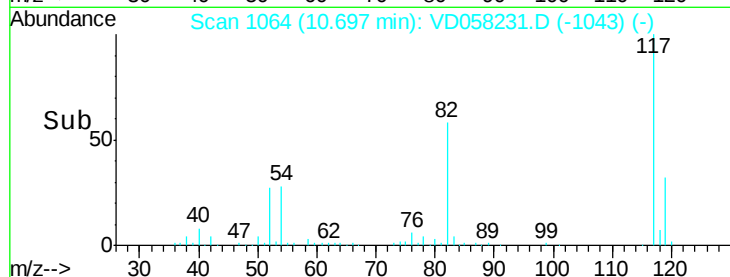
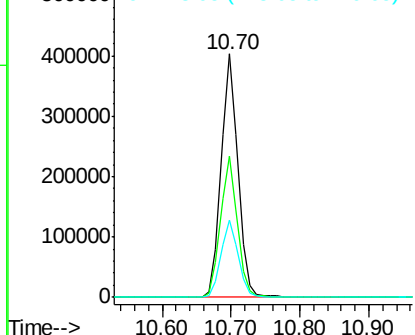
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058231.D
Acq: 21 Jun 2018 3:09

Instrument :
MSVOA_D
ClientSampleId :
CL-02-061918-C

Tot Ion:117 Resp: 687631
Ion Ratio Lower Upper
117 100
82 57.8 47.0 70.6
119 31.8 25.3 37.9

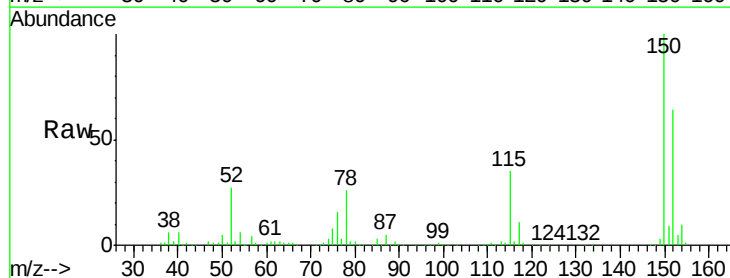


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

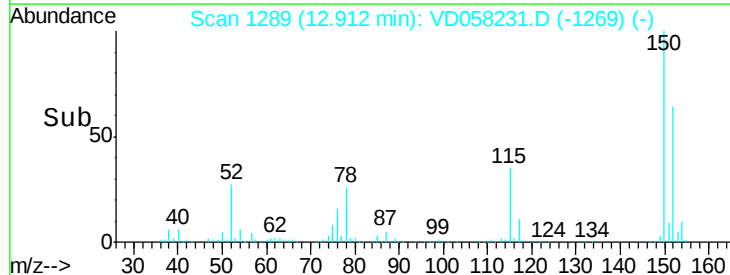
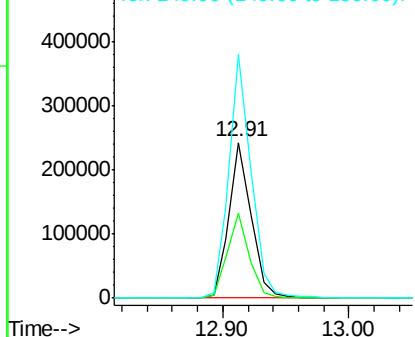


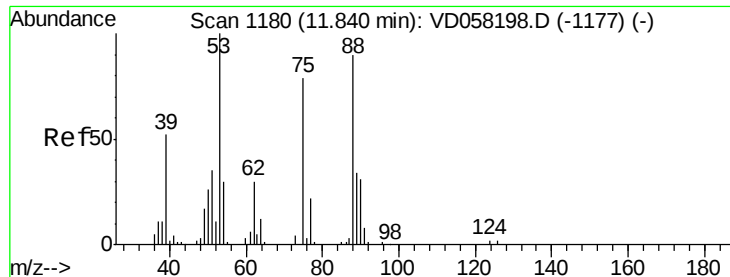
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058231.D
Acq: 21 Jun 2018 3:09

Tgt Ion:152 Resp: 297166
Ion Ratio Lower Upper
152 100
115 54.7 25.1 75.3
150 156.5 0.0 308.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 145.228 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058231.D

Acq: 21 Jun 2018 3:09

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-C

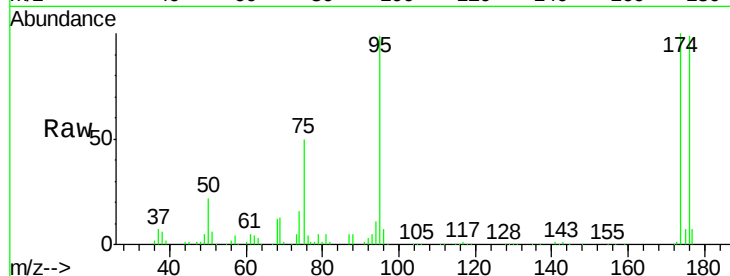
Tot Ion: 75 Resp: 153677

Ion Ratio Lower Upper

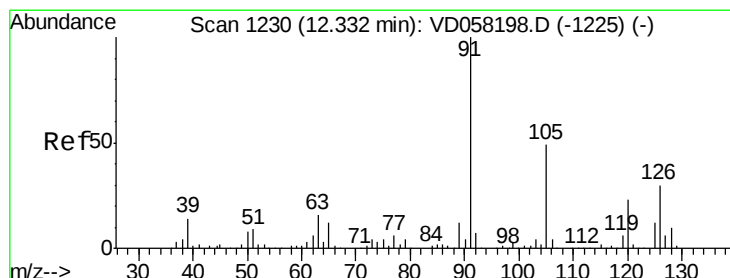
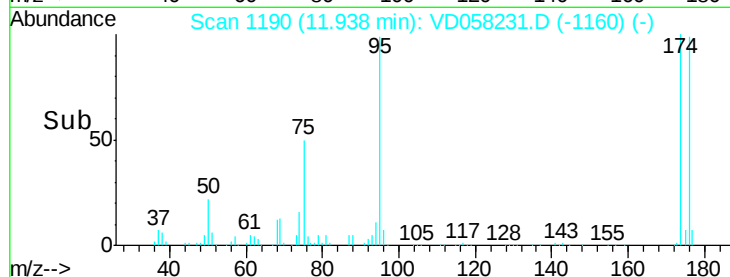
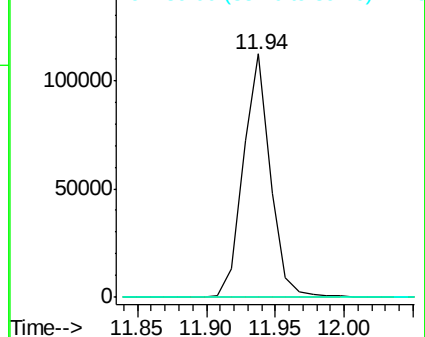
75 100

53 0.0 100.8 151.2#

89 0.0 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: Below Cal

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058231.D

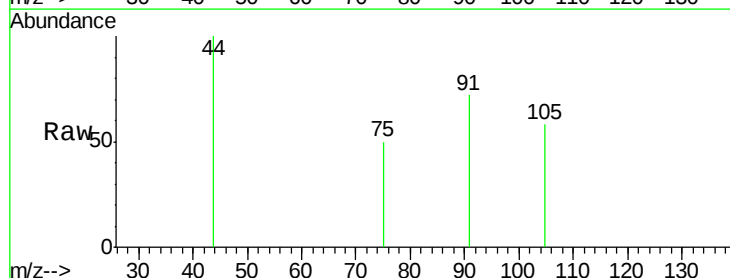
Acq: 21 Jun 2018 3:09

Tgt Ion: 91 Resp: 265

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



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

