

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058232.D
 Acq On : 21 Jun 2018 3:38
 Operator : VA/AP
 Sample : J3245-15
 Misc : 4.10g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Jun 21 05:18:35 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	5.66	168	609266	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	828846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	582467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	229384	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	361721	58.78	ug/l	0.00
Spiked Amount			Recovery	=	117.56%	
35) Dibromofluoromethane	5.56	113	357802	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
50) Toluene-d8	8.72	98	689752	42.26	ug/l	0.00
Spiked Amount			Recovery	=	84.52%	
62) 4-Bromofluorobenzene	11.94	95	252130	37.82	ug/l	0.00
Spiked Amount			Recovery	=	75.64%	

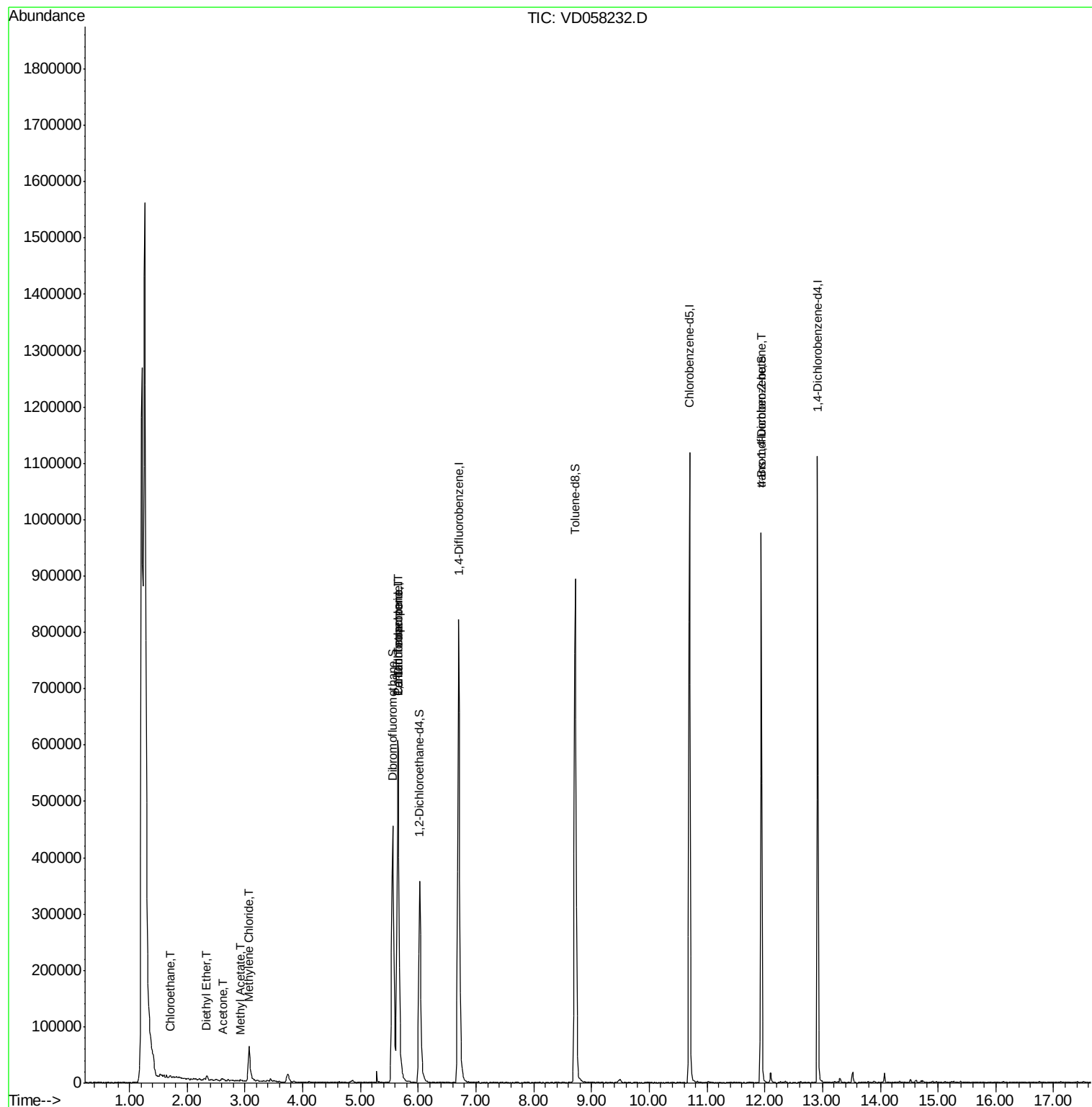
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	385	Below Cal	#	43
3) Chloromethane	1.47	50	240	Below Cal	#	43
5) Bromomethane	1.79	94	198	Below Cal	#	3
6) Chloroethane	1.71	64	223	1.567	ug/l #	1
8) Diethyl Ether	2.34	74	2073	2.240	ug/l	89
16) Acetone	2.62	43	5868	6.972	ug/l #	62
18) Methyl Acetate	2.93	43	3151	1.756	ug/l #	65
20) Methylene Chloride	3.08	84	29483	9.565	ug/l	93
31) Cyclohexane	5.65	56	13578	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	51233	6.248	ug/l #	51
38) Carbon Tetrachloride	5.65	117	48701	5.978	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.94	75	117210	143.496	ug/l #	1
82) 4-Chlorotoluene	12.32	91	587	Below Cal	#	45

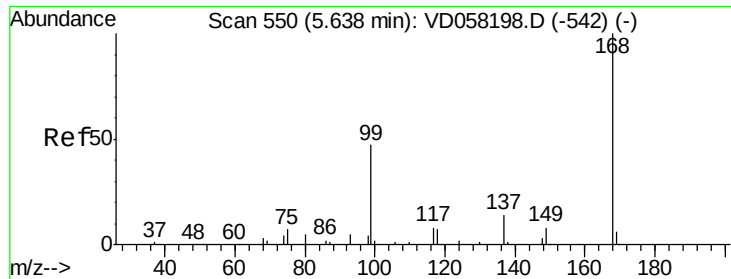
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

Instrument :

MSVOA_D

ClientSampleId :

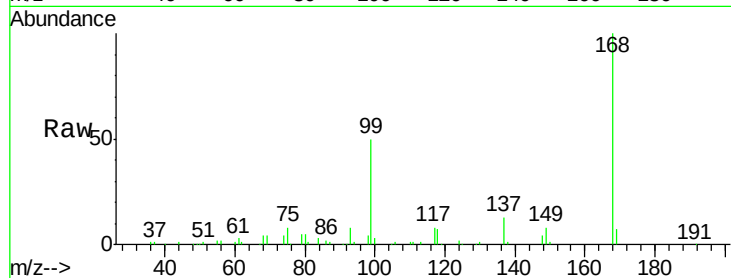
CL-02-061918-D

Tot Ion:168 Resp: 609266

Ion Ratio Lower Upper

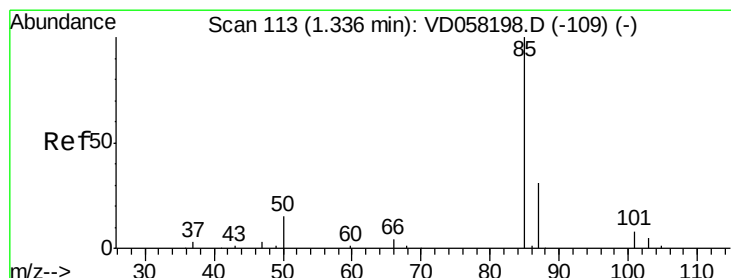
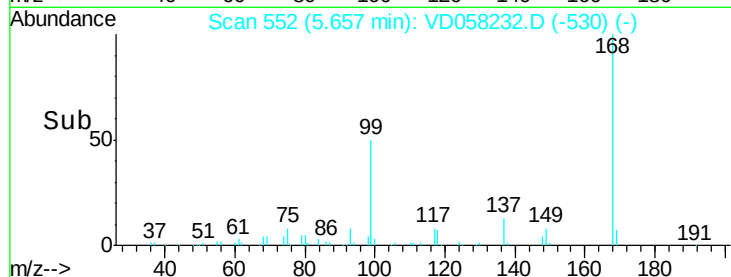
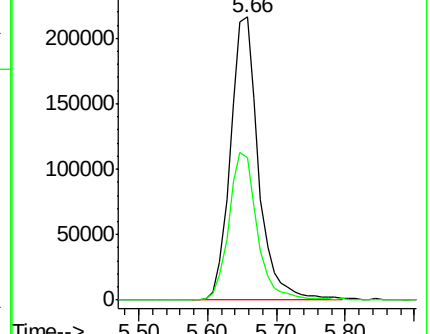
168 100

99 50.3 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: Below Cal

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058232.D

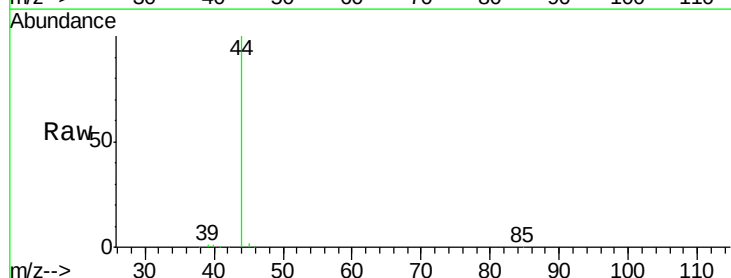
Acq: 21 Jun 2018 3:38

Tgt Ion: 85 Resp: 385

Ion Ratio Lower Upper

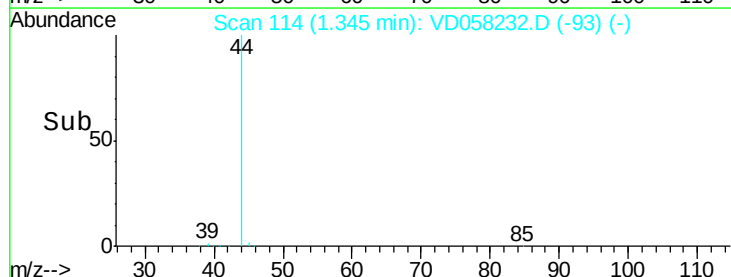
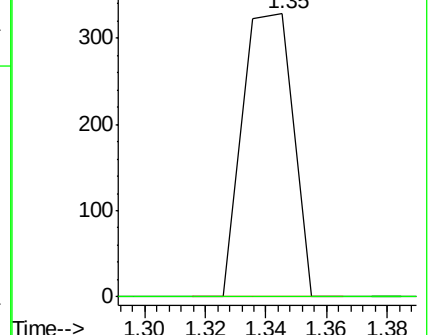
85 100

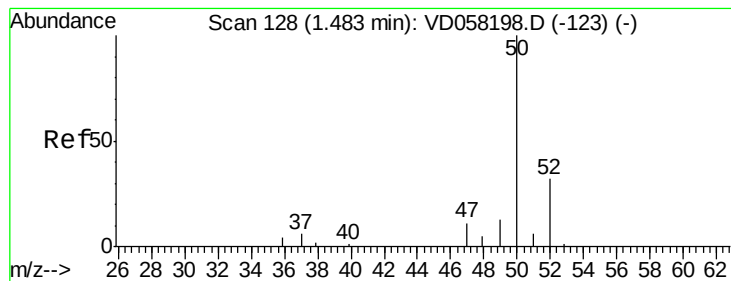
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.47 min Scan# 127

Delta R.T. -0.01 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

Instrument :

MSVOA_D

ClientSampleId :

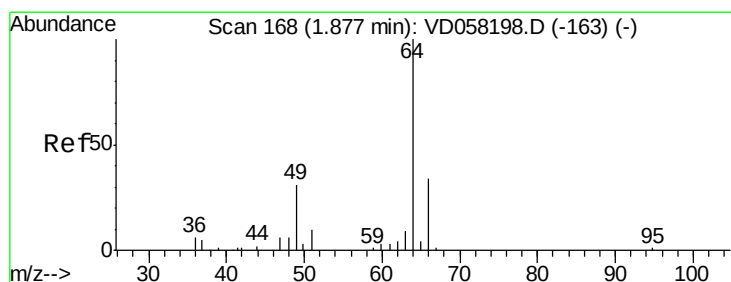
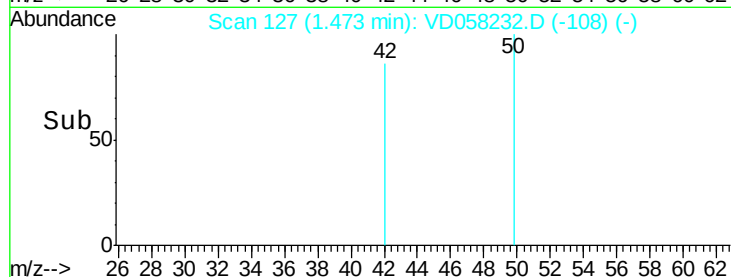
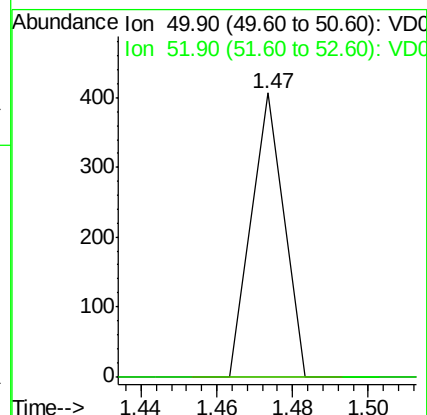
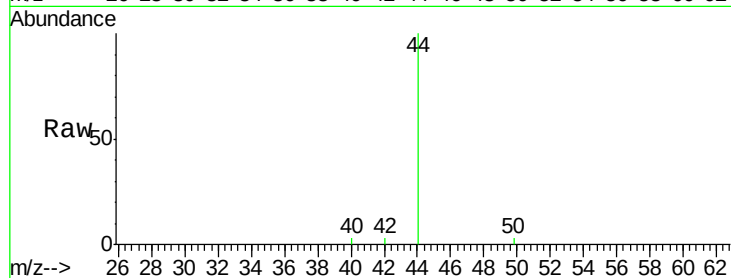
CL-02-061918-D

Tot Ion: 50 Resp: 240

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#6

Chloroethane

Concen: 1.567 ug/l

RT: 1.71 min Scan# 151

Delta R.T. -0.17 min

Lab File: VD058232.D

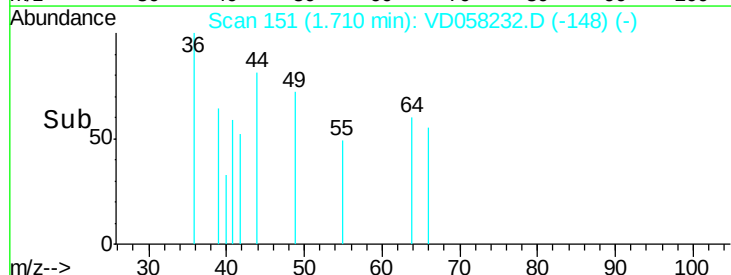
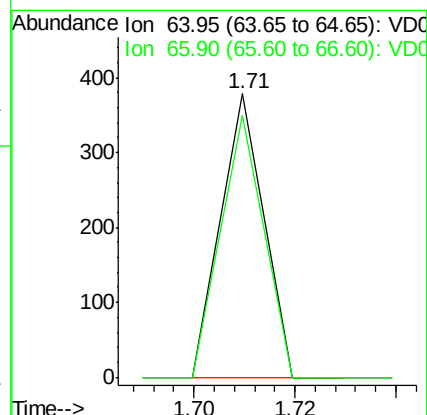
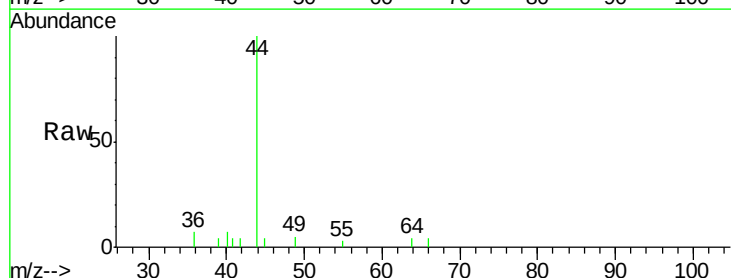
Acq: 21 Jun 2018 3:38

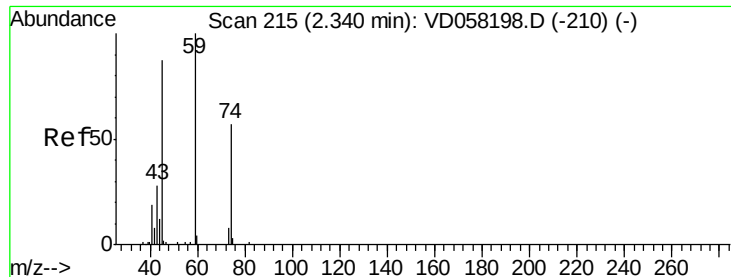
Tgt Ion: 64 Resp: 223

Ion Ratio Lower Upper

64 100

66 92.3 27.3 40.9#





#8

Diethyl Ether

Concen: 2.240 ug/l

RT: 2.34 min Scan# 215

Delta R.T. -0.00 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

Instrument :

MSVOA_D

ClientSampleId :

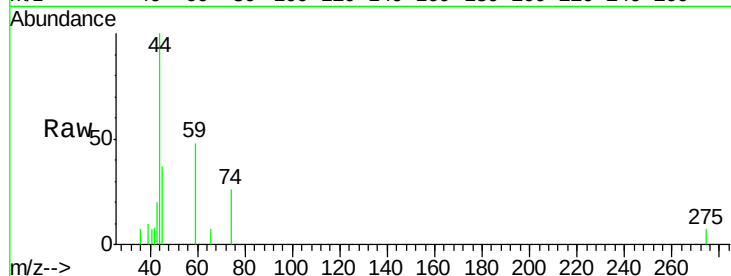
CL-02-061918-D

Tot Ion: 74 Resp: 2073

Ion Ratio Lower Upper

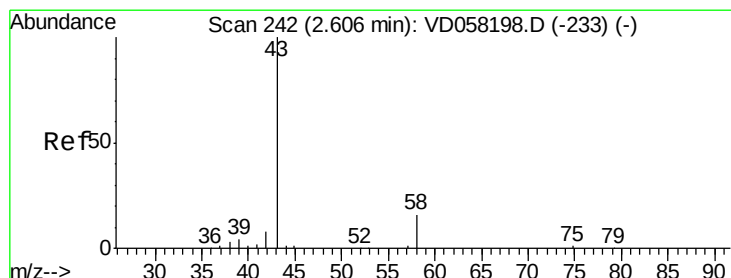
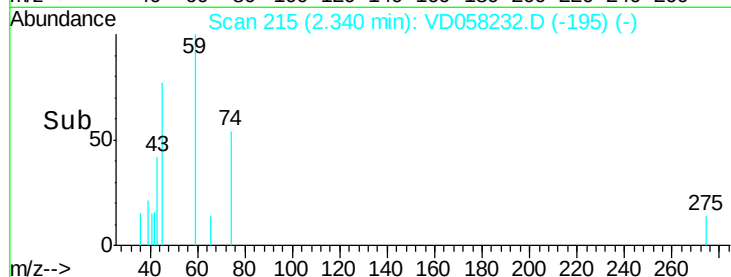
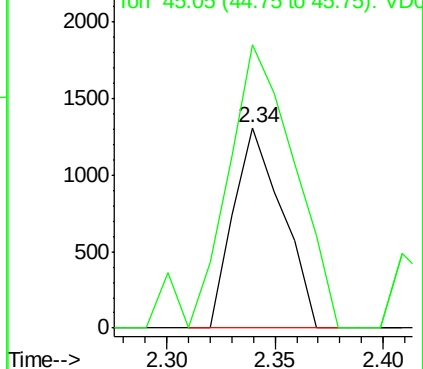
74 100

45 141.3 77.5 232.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 6.972 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058232.D

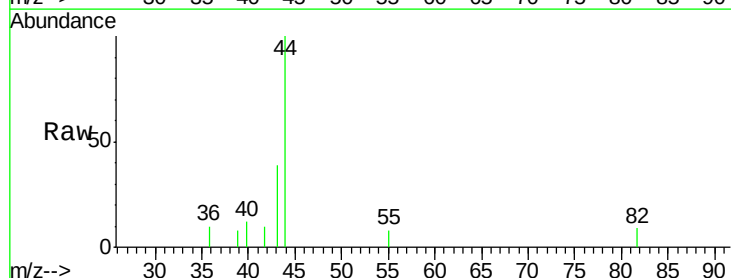
Acq: 21 Jun 2018 3:38

Tgt Ion: 43 Resp: 5868

Ion Ratio Lower Upper

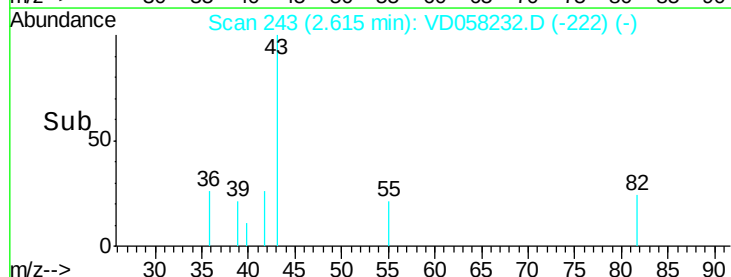
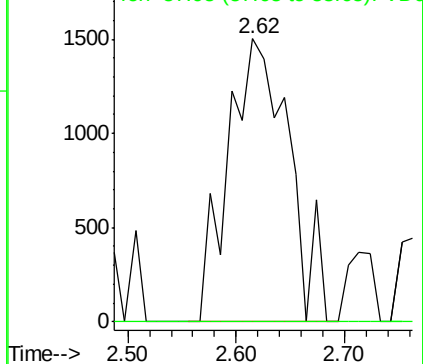
43 100

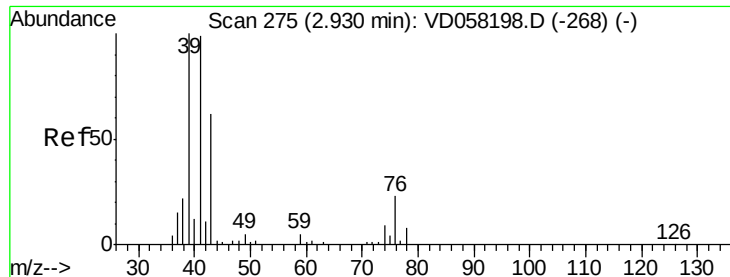
58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

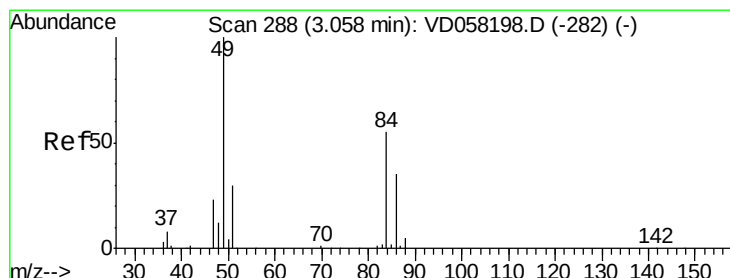
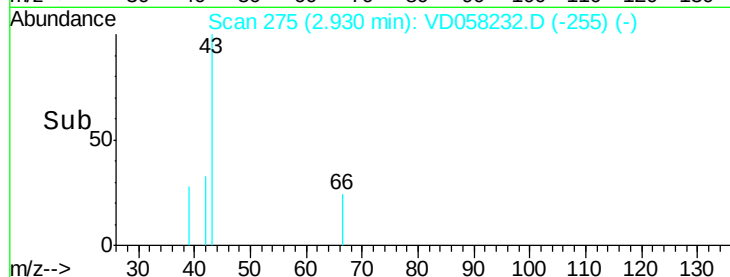
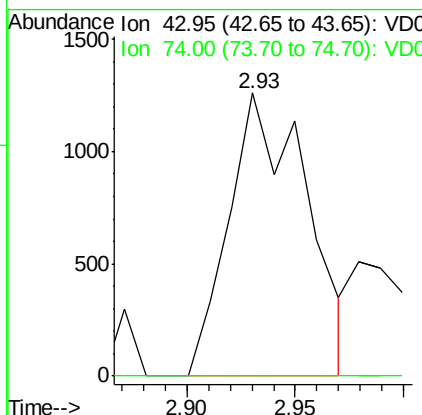
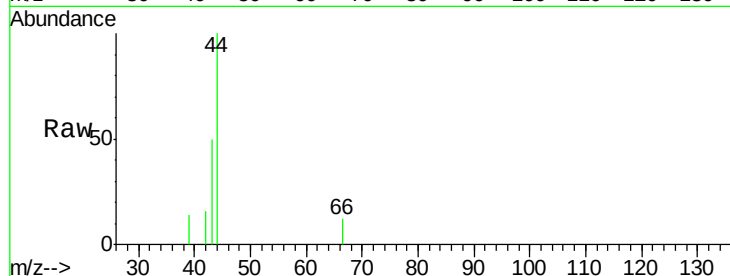




#18
Methvl Acetate
Concen: 1.756 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.00 min
Lab File: VD058232.D
Acq: 21 Jun 2018 3:38

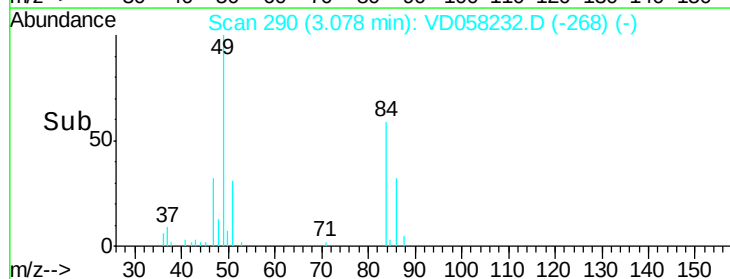
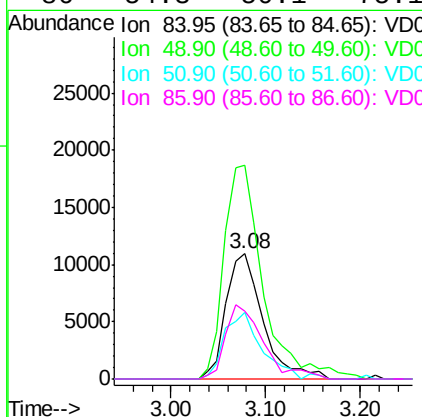
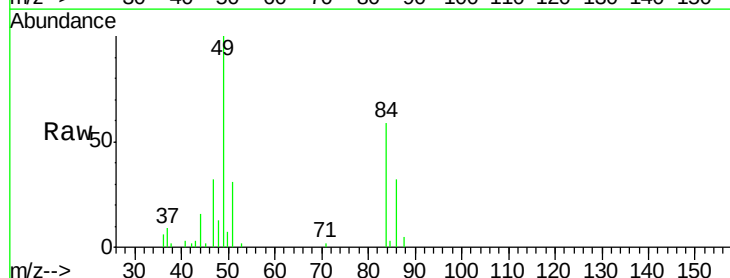
Instrument :
MSVOA_D
ClientSampleId :
CL-02-061918-D

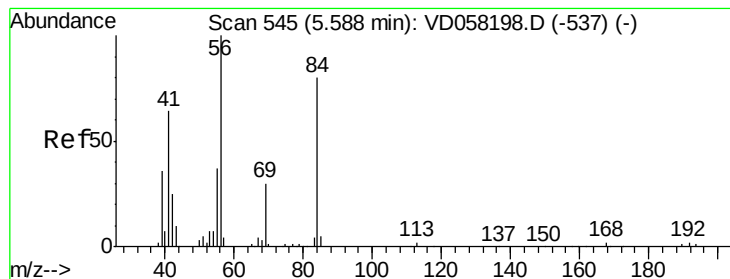
Tot Ion: 43 Resp: 3151
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 9.565 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058232.D
Acq: 21 Jun 2018 3:38

Tgt Ion: 84 Resp: 29483
Ion Ratio Lower Upper
84 100
49 170.3 145.0 217.6
51 53.2 42.9 64.3
86 54.3 50.1 75.1





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.06 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-D

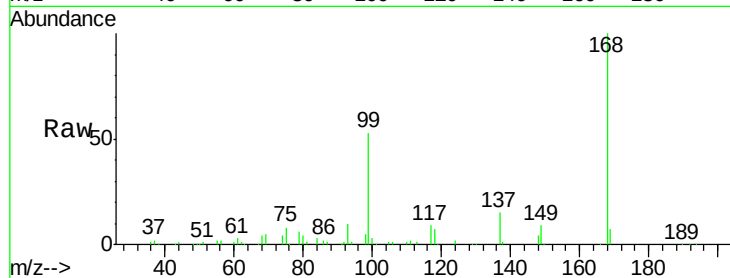
Tot Ion: 56 Resp: 13578

Ion Ratio Lower Upper

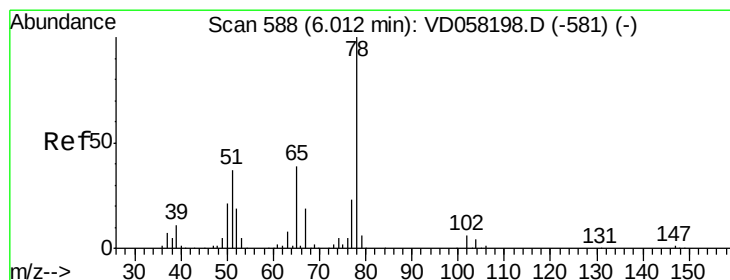
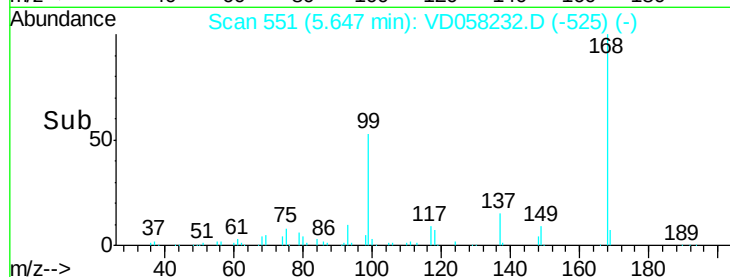
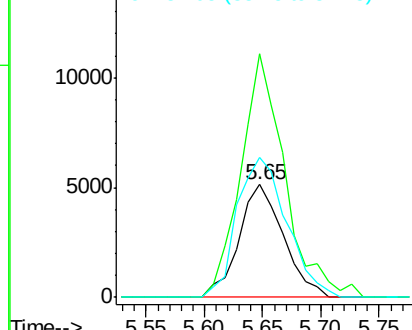
56 100

69 216.5 23.6 35.4#

84 124.7 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: VD058232.D

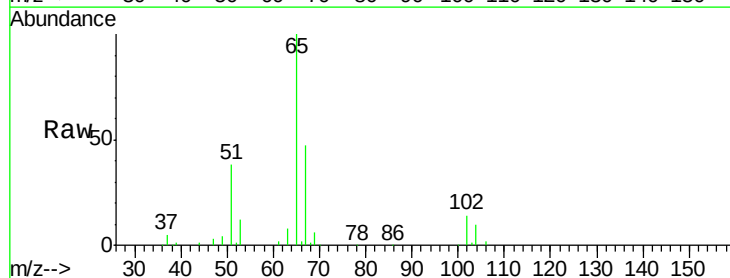
Acq: 21 Jun 2018 3:38

Tgt Ion: 65 Resp: 361721

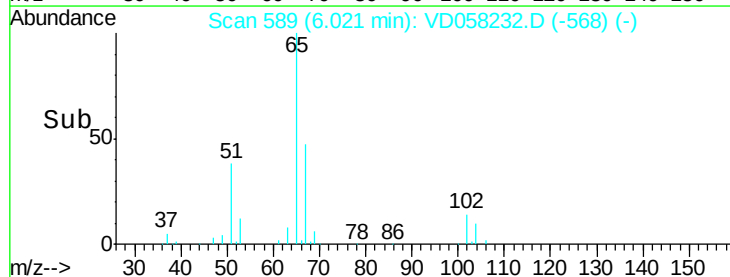
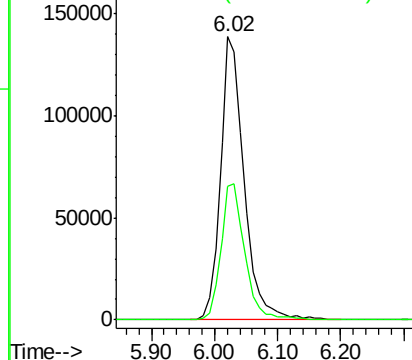
Ion Ratio Lower Upper

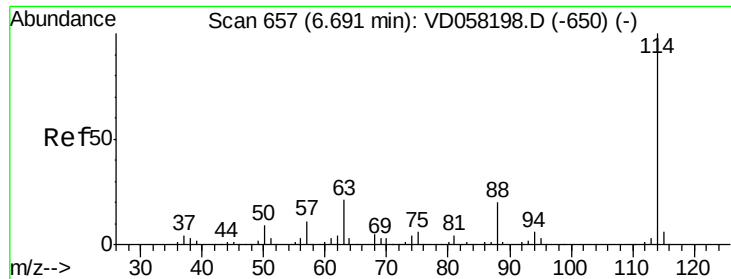
65 100

67 47.3 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: VD058232.D

Acq: 21 Jun 2018 3:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-D

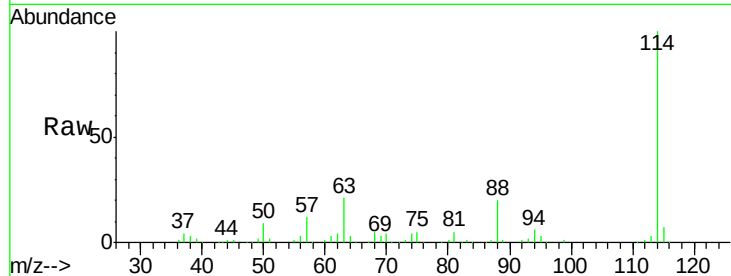
Tot Ion:114 Resp: 828846

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

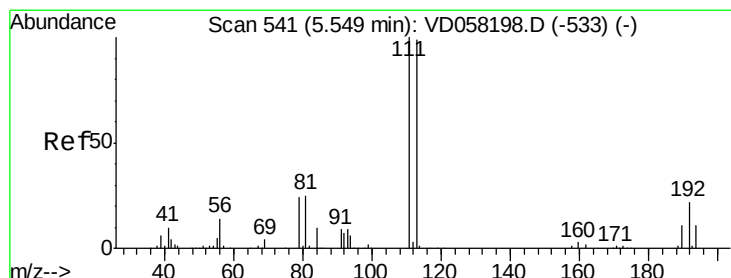
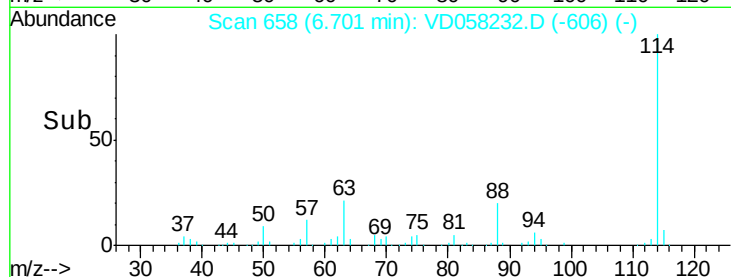
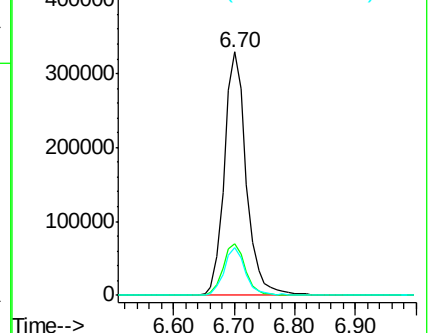
88 19.8 0.0 40.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

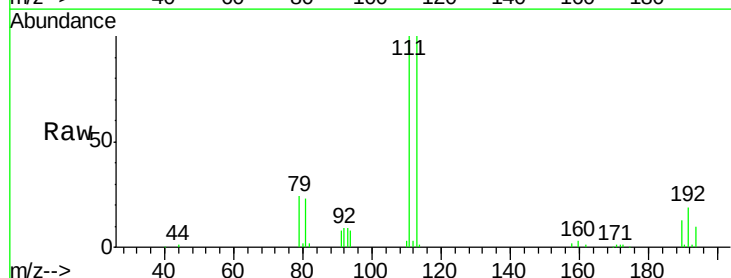
Tgt Ion:113 Resp: 357802

Ion Ratio Lower Upper

113 100

111 100.4 80.6 121.0

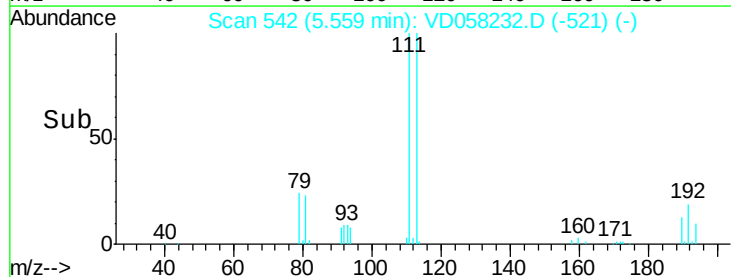
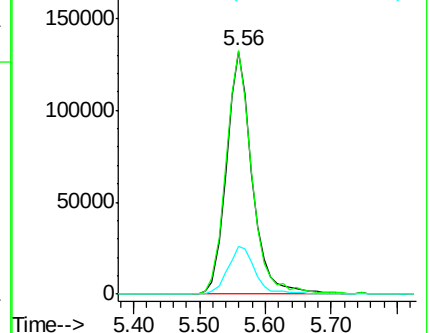
192 19.6 17.8 26.6

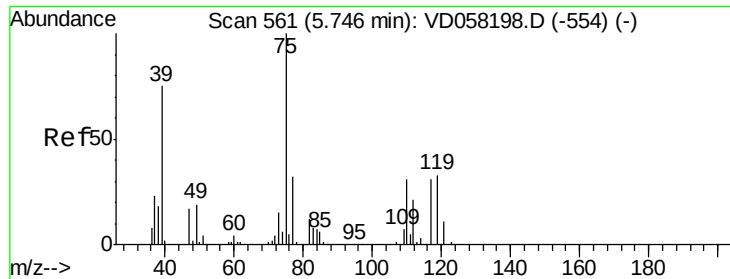


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.248 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-D

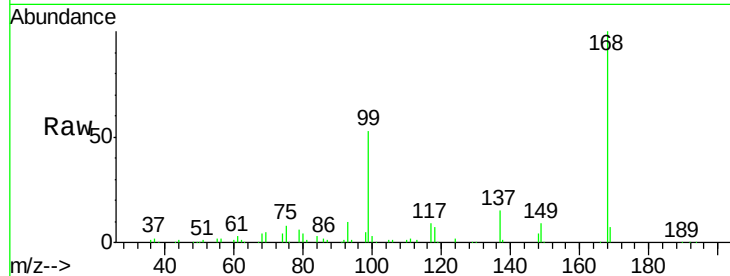
Tot Ion: 75 Resp: 51233

Ion Ratio Lower Upper

75 100

110 8.6 15.4 46.4#

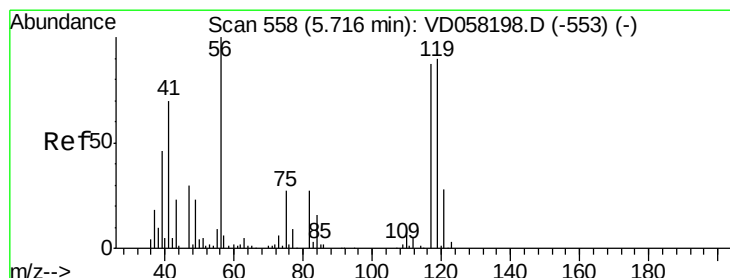
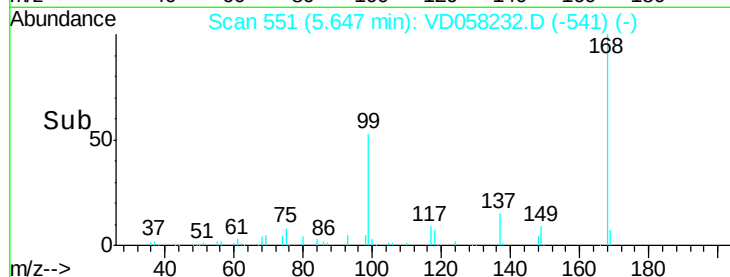
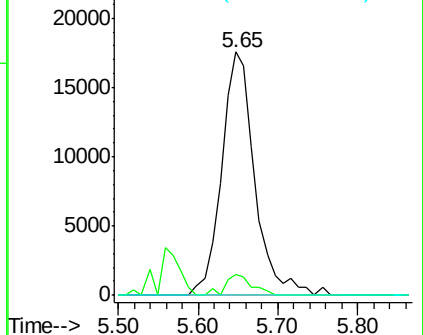
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.978 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

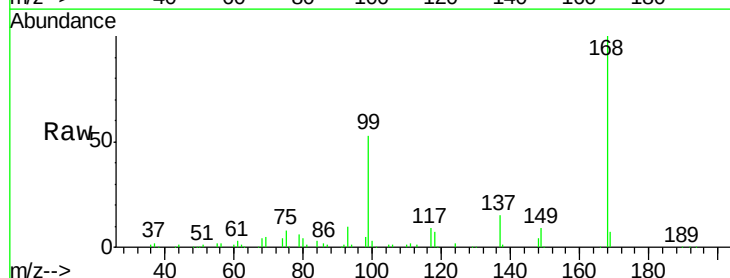
Tgt Ion: 117 Resp: 48701

Ion Ratio Lower Upper

117 100

119 3.2 78.8 118.2#

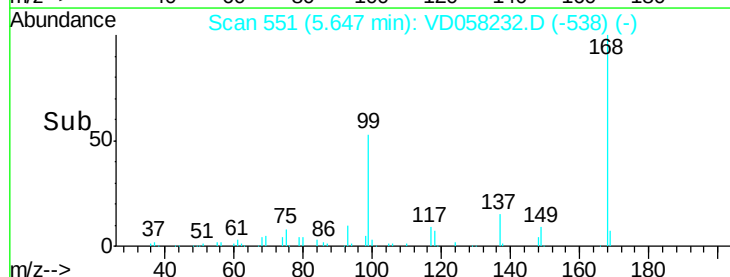
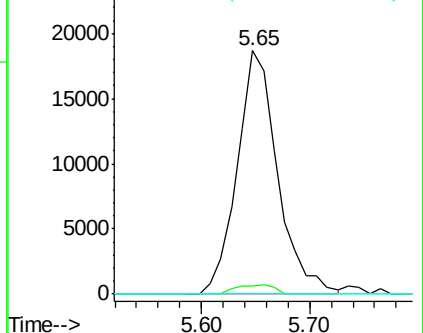
121 0.0 25.0 37.6#

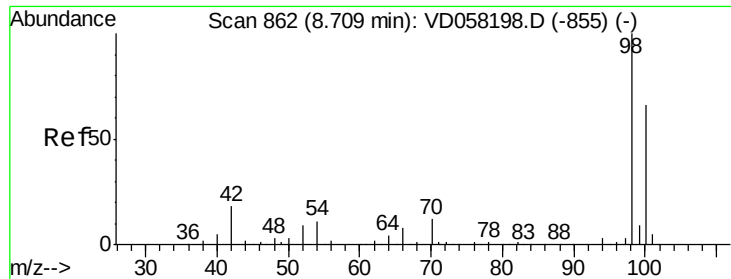


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

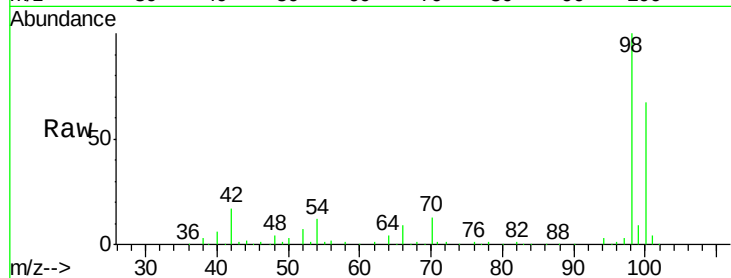




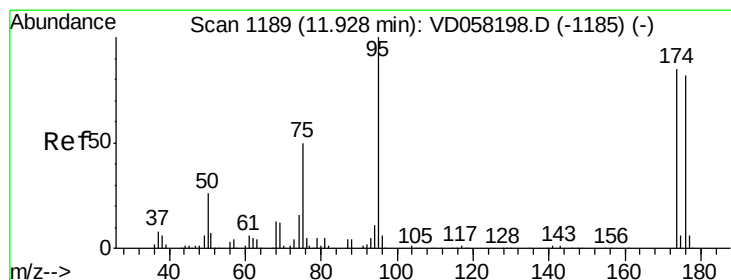
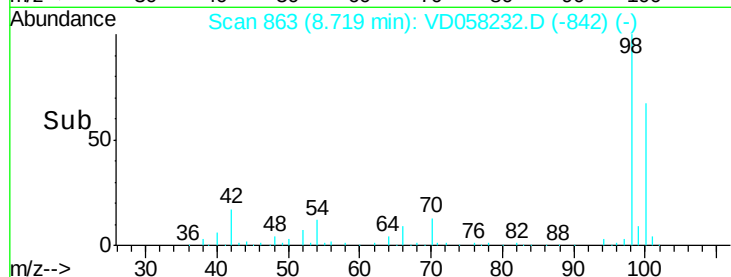
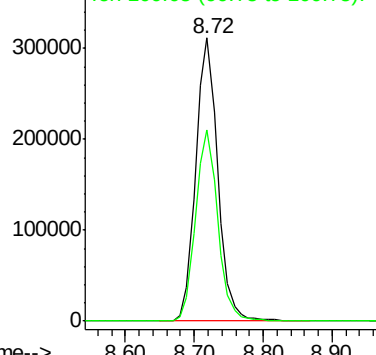
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058232.D
Acq: 21 Jun 2018 3:38

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

Tot Ion: 98 Resp: 689752
Ion Ratio Lower Upper
98 100
100 67.4 53.6 80.4

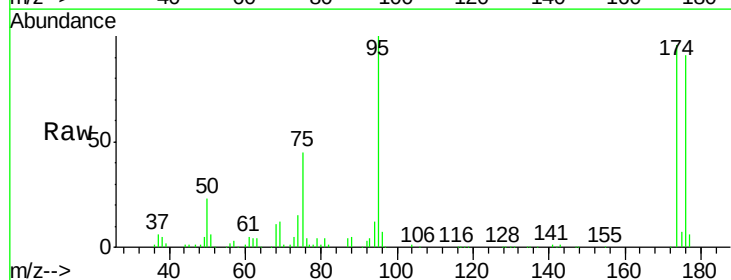


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

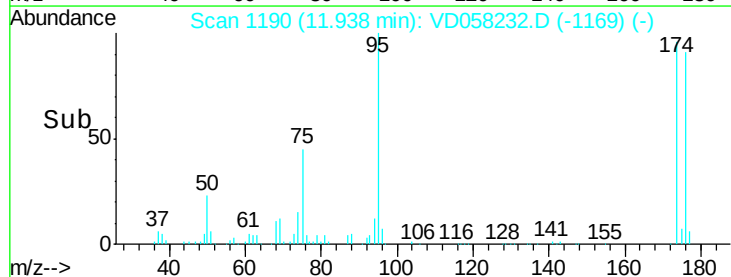
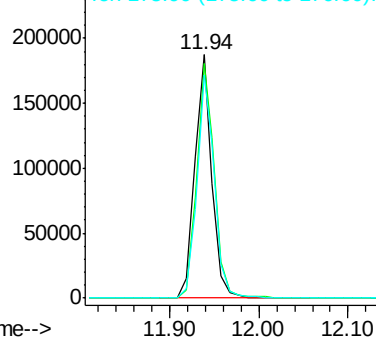


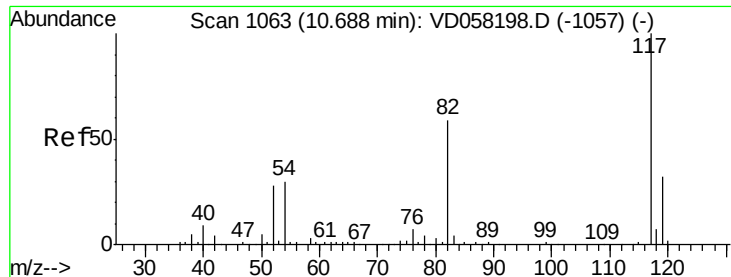
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058232.D
Acq: 21 Jun 2018 3:38

Tgt Ion: 95 Resp: 252130
Ion Ratio Lower Upper
95 100
174 96.2 0.0 170.2
176 91.4 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

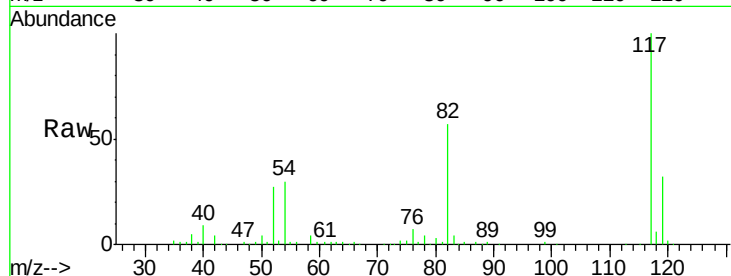




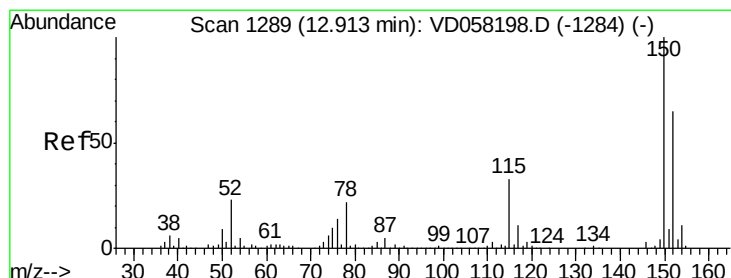
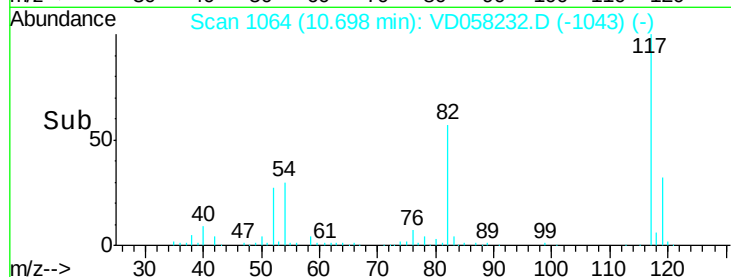
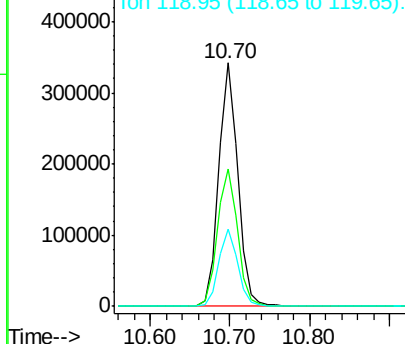
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058232.D
Acq: 21 Jun 2018 3:38

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

Tot Ion:117 Resp: 582467
Ion Ratio Lower Upper
117 100
82 56.6 47.0 70.6
119 31.8 25.3 37.9

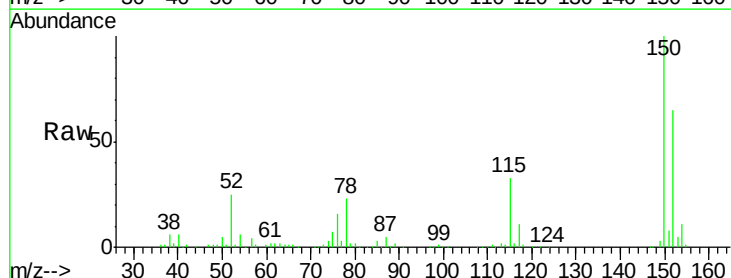


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

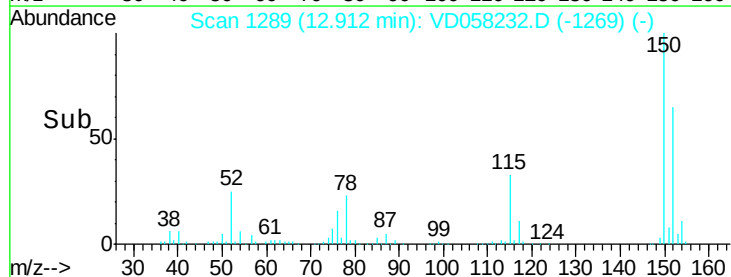
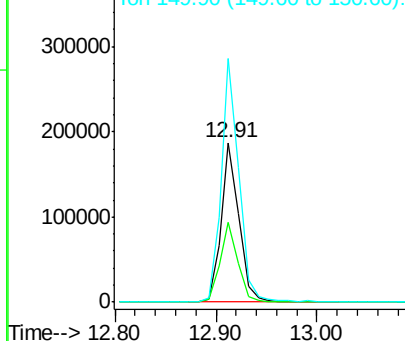


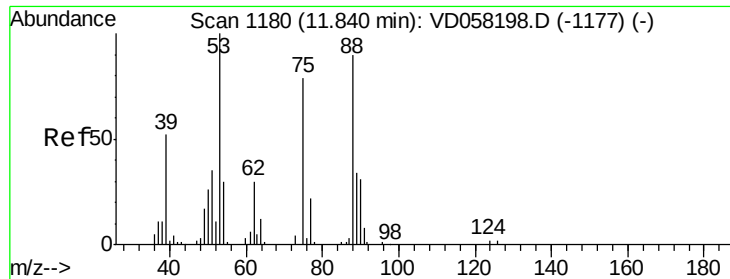
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058232.D
Acq: 21 Jun 2018 3:38

Tgt Ion:152 Resp: 229384
Ion Ratio Lower Upper
152 100
115 50.5 25.1 75.3
150 153.0 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: 143.496 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058232.D

Acq: 21 Jun 2018 3:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-D

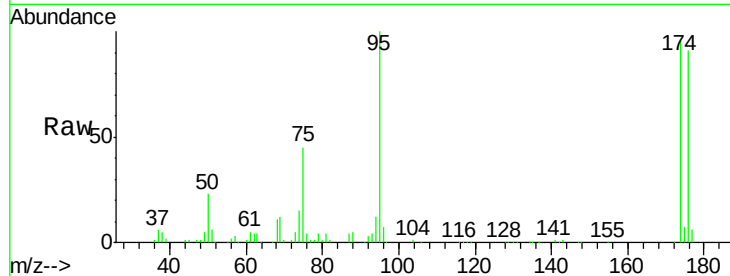
Tot Ion: 75 Resp: 117210

Ion Ratio Lower Upper

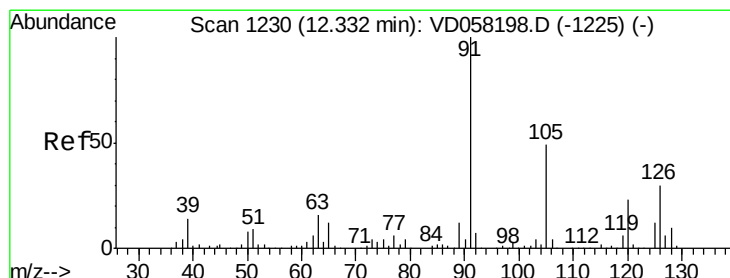
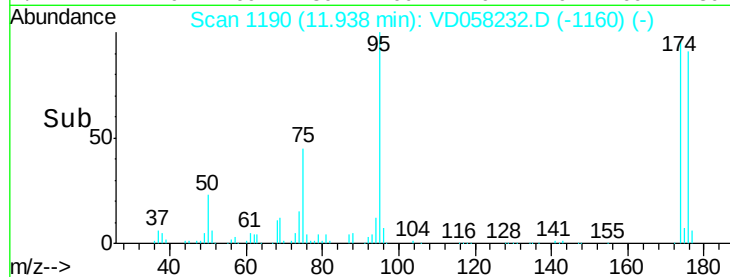
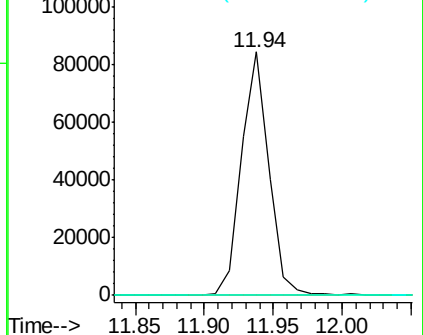
75 100

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: VD058232.D

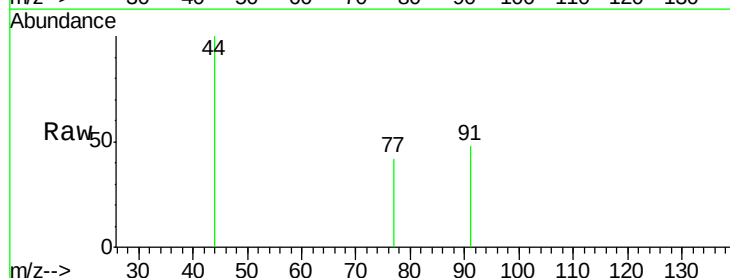
Acq: 21 Jun 2018 3:38

Tgt Ion: 91 Resp: 587

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

