

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06349.D
 Acq On : 3 Aug 2019 7:48
 Operator : VA/AP
 Sample : K4129-11
 Misc : 5.60g/5ml/MSVOA_D/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:46:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	898648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1188223	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	910093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	423650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	468556	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	6.91	113	477223	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	10.41	98	1020014	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
62) 4-Bromofluorobenzene	13.55	95	397190	38.39	ug/l	0.00
Spiked Amount			Recovery	=	76.78%	

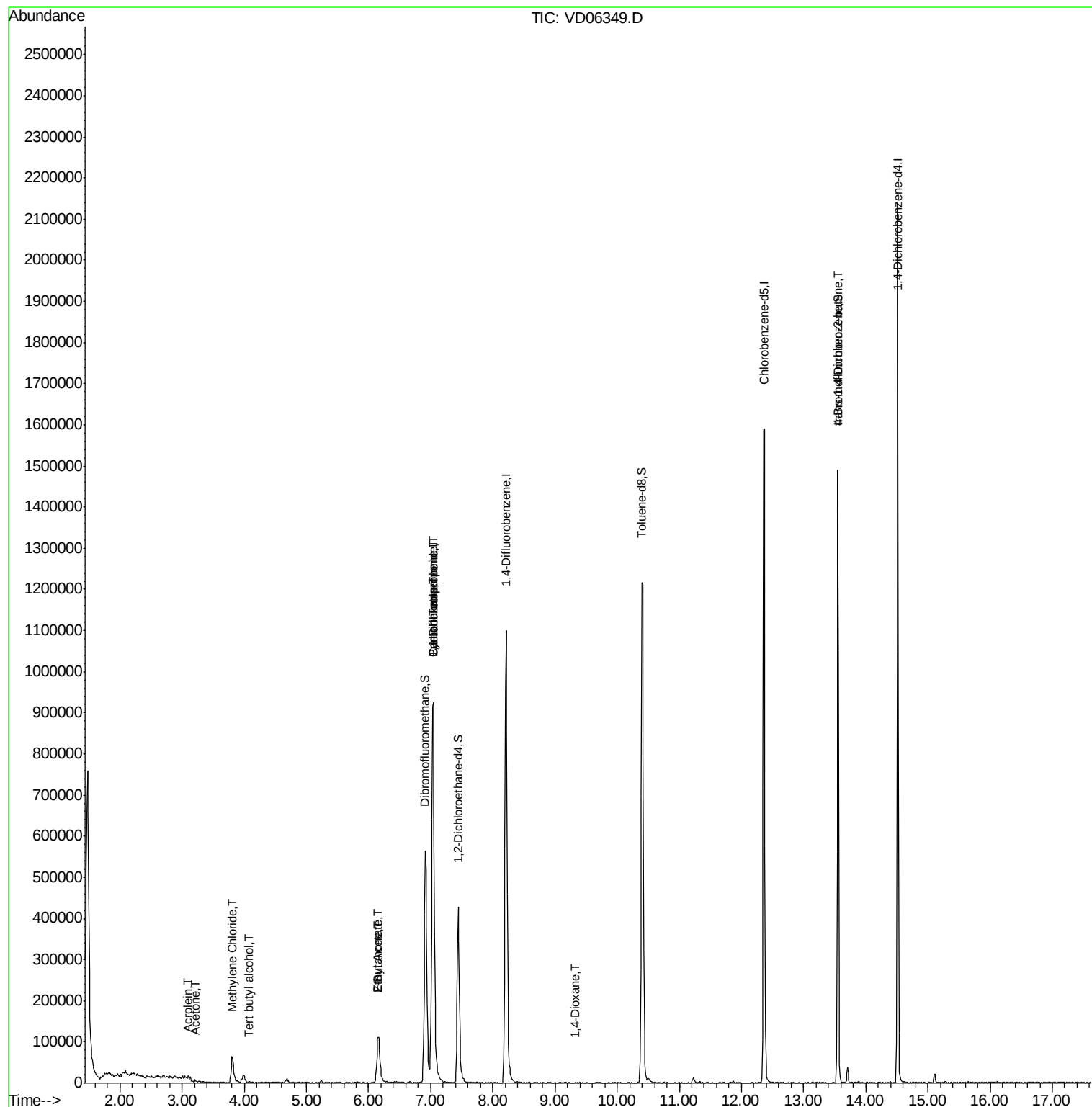
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	2702	6.175	ug/l #	69
13) Acrolein	3.08	56	525	1.247	ug/l	99
16) Acetone	3.20	43	5986	3.081	ug/l #	62
20) Methylene Chloride	3.80	84	34631	4.410	ug/l	86
25) 2-Butanone	6.16	43	10313	5.289	ug/l #	56
31) Cyclohexane	7.03	56	18787	2.115	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	72525	6.688	ug/l #	57
37) Ethyl Acetate	6.16	43	10773	2.211	ug/l #	3
38) Carbon Tetrachloride	7.04	117	87862	5.382	ug/l #	15
49) 1,4-Dioxane	9.32	88	214	2.151	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	186574	132.041	ug/l #	3

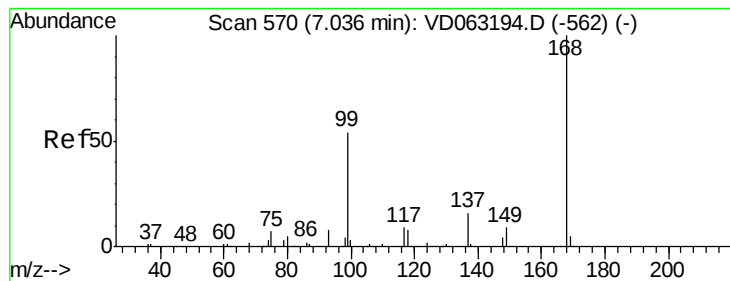
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
Data File : VD06349.D
Acq On : 3 Aug 2019 7:48
Operator : VA/AP
Sample : K4129-11
Misc : 5.60g/5ml/MSVOA_D/SOIL
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 04 03:46:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD06349.D

Acq: 3 Aug 2019 7:48

Instrument :

MSVOA_D

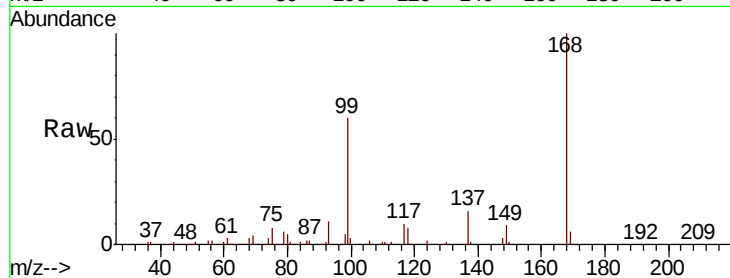
ClientSampleId :

Tgt Ion:168 Resp: 898648

Ion Ratio Lower Upper

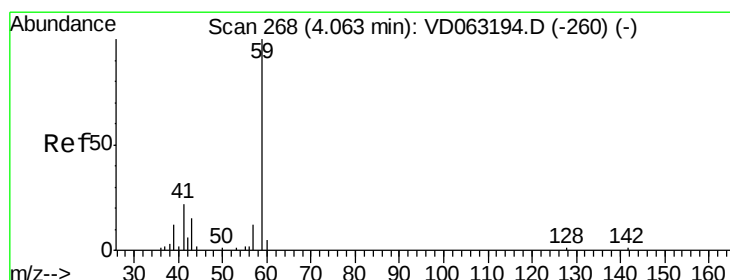
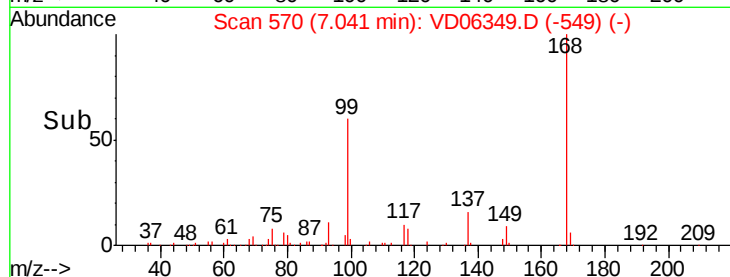
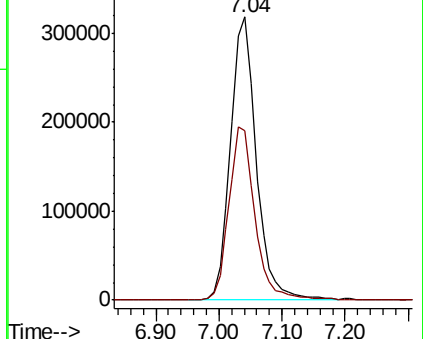
168 100

99 59.7 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 6.175 ug/l

RT: 4.08 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD06349.D

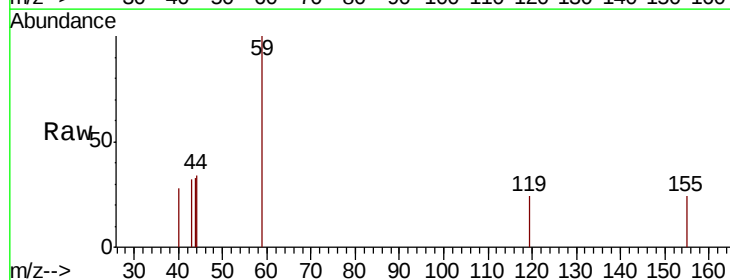
Acq: 3 Aug 2019 7:48

Tgt Ion: 59 Resp: 2702

Ion Ratio Lower Upper

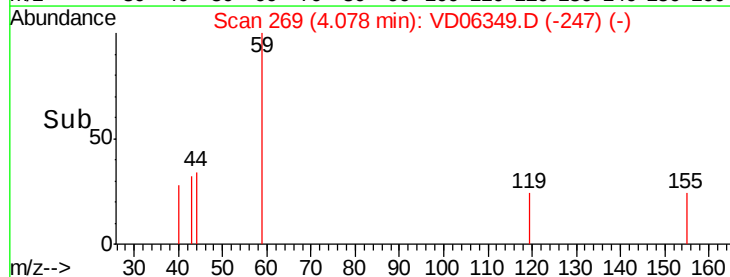
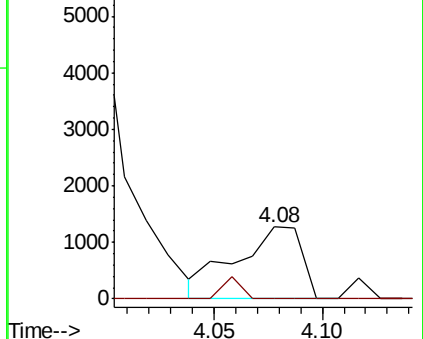
59 100

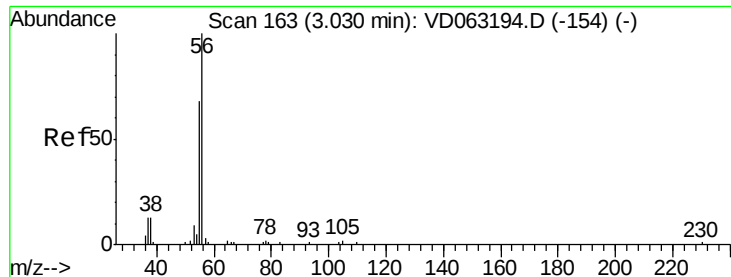
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.247 ug/l

RT: 3.08 min Scan# 168

Delta R.T. 0.05 min

Lab File: VD06349.D

Acq: 3 Aug 2019 7:48

Instrument :

MSVOA_D

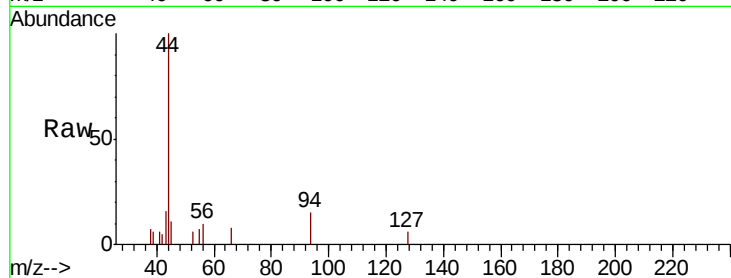
ClientSampleId :

Tgt Ion: 56 Resp: 525

Ion Ratio Lower Upper

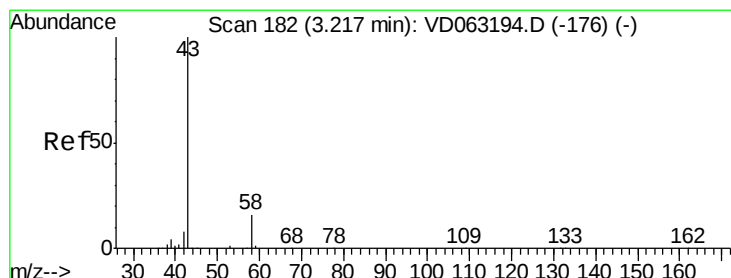
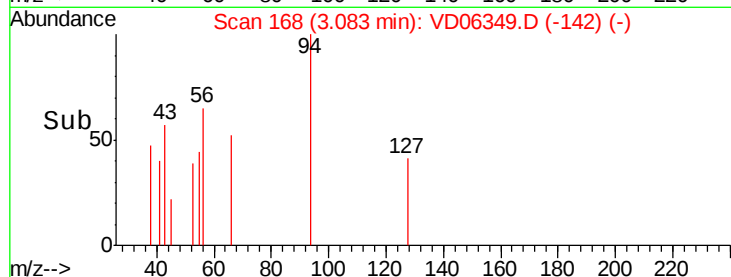
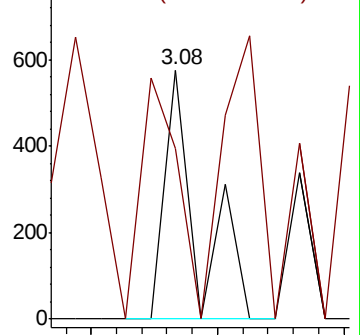
56 100

55 68.4 55.3 82.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 3.081 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD06349.D

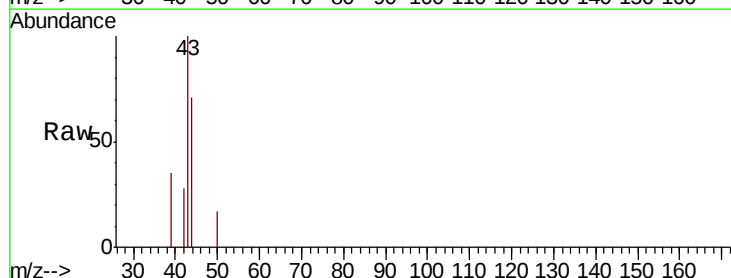
Acq: 3 Aug 2019 7:48

Tgt Ion: 43 Resp: 5986

Ion Ratio Lower Upper

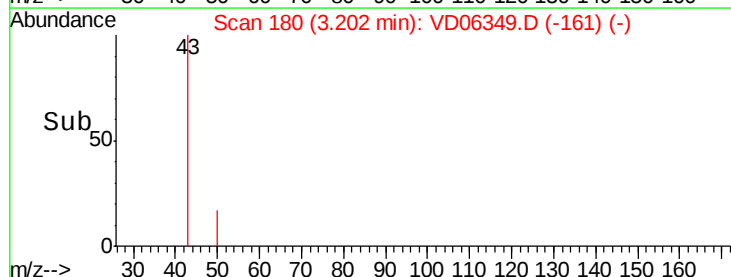
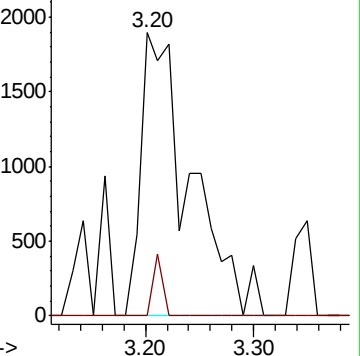
43 100

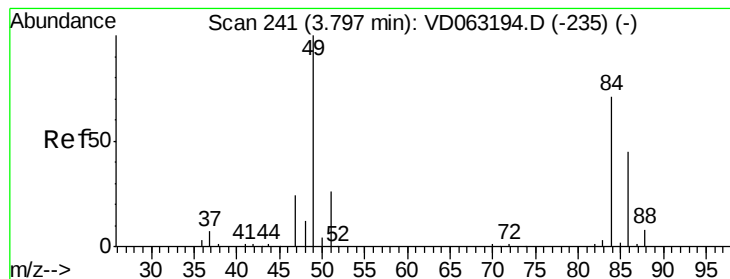
58 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 4.410 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD06349.D

Acq: 3 Aug 2019 7:48

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 84 Resp: 34631

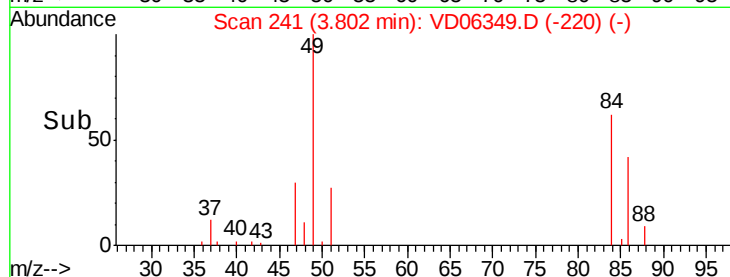
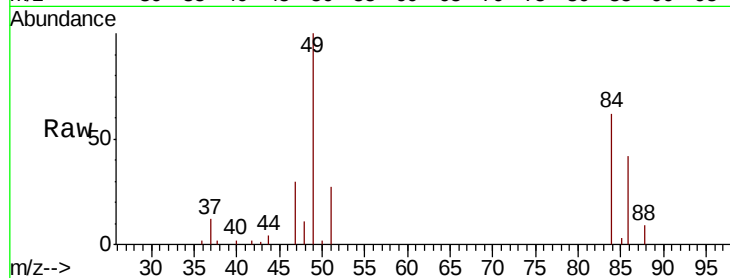
Ion Ratio Lower Upper

84 100

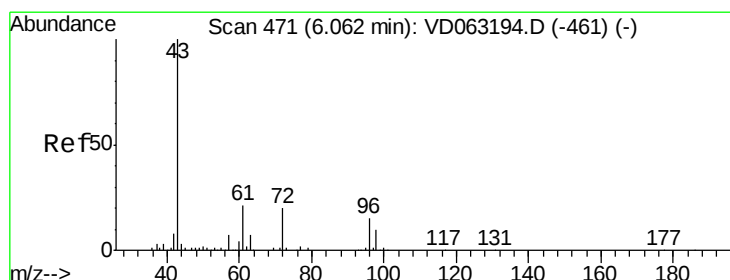
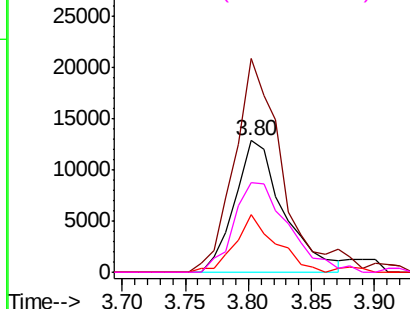
49 162.1 112.5 168.7

51 43.3 29.6 44.4

86 68.5 50.4 75.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 5.289 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.10 min

Lab File: VD06349.D

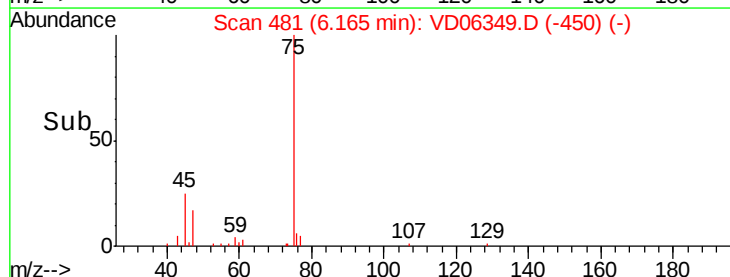
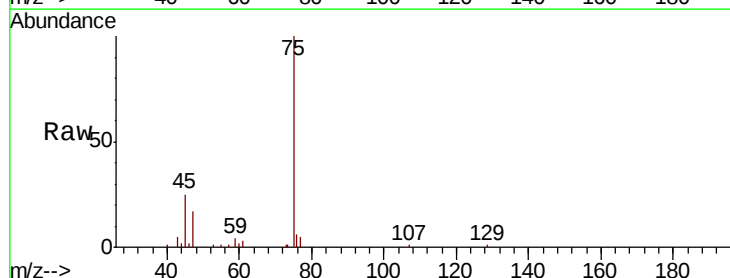
Acq: 3 Aug 2019 7:48

Tgt Ion: 43 Resp: 10313

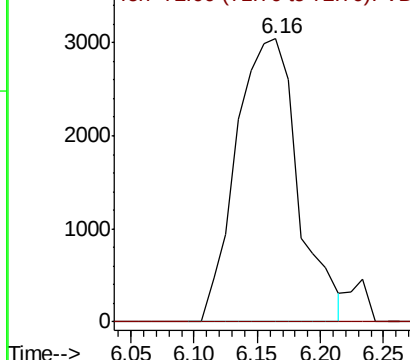
Ion Ratio Lower Upper

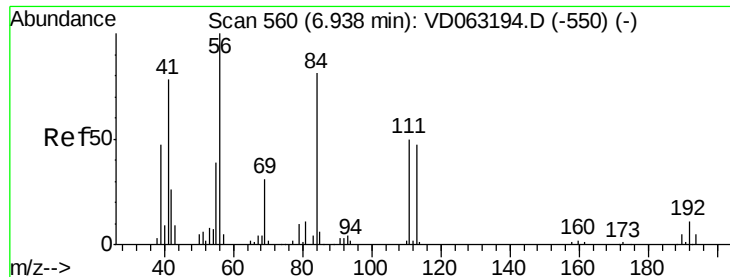
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

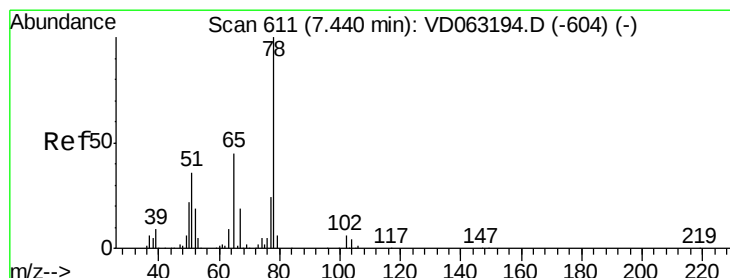
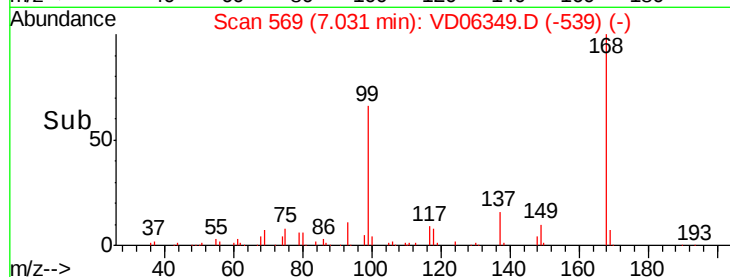
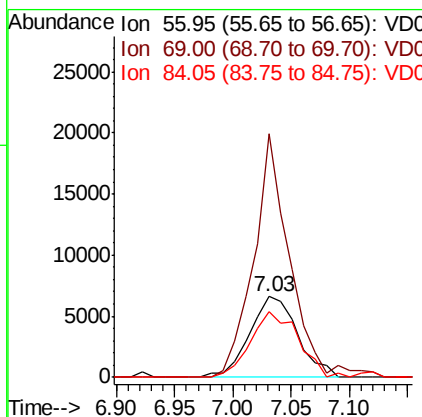
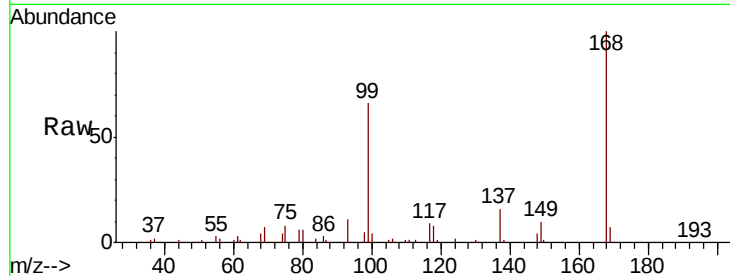




#31
Cyclohexane
Concen: 2.115 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.09 min
Lab File: VD06349.D
Acq: 3 Aug 2019 7:48

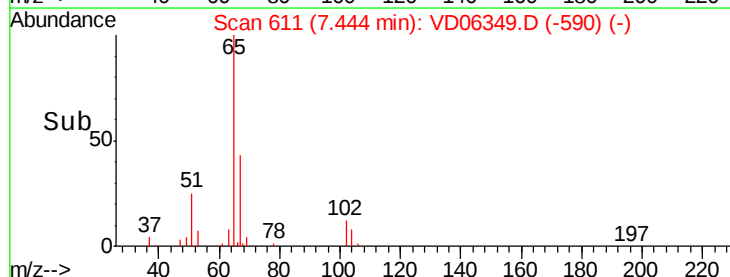
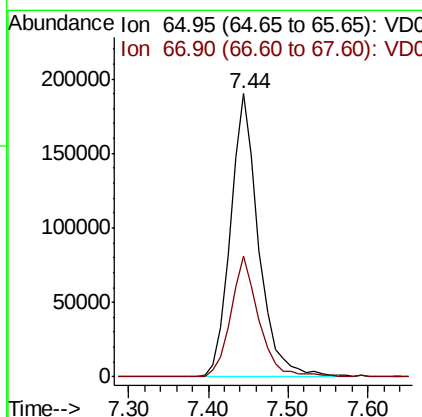
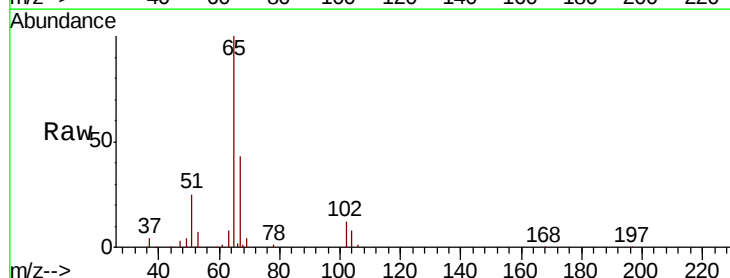
Instrument :
MSVOA_D
ClientSampled :

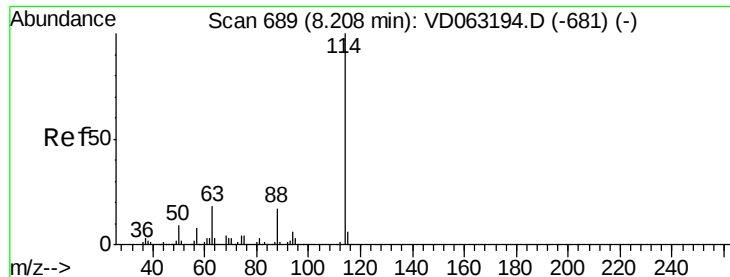
Tgt Ion: 56 Resp: 18787
Ion Ratio Lower Upper
56 100
69 300.5 24.5 36.7#
84 81.0 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 46.990 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD06349.D
Acq: 3 Aug 2019 7:48

Tgt Ion: 65 Resp: 468556
Ion Ratio Lower Upper
65 100
67 42.9 0.0 85.8

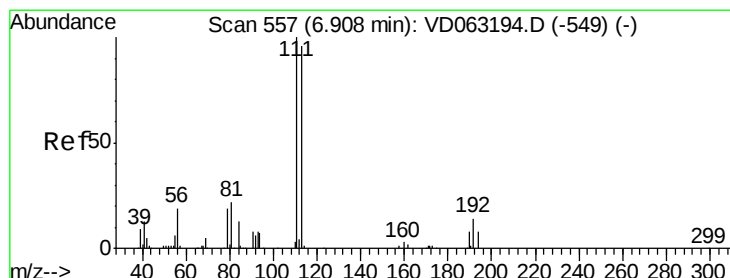
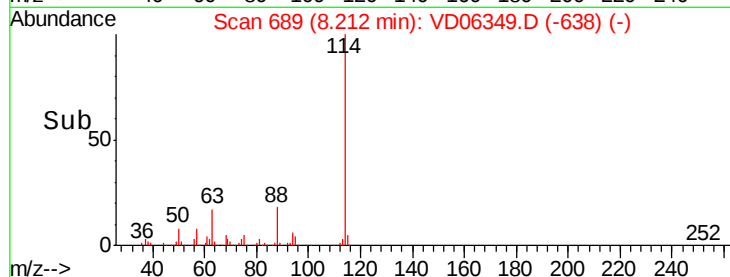
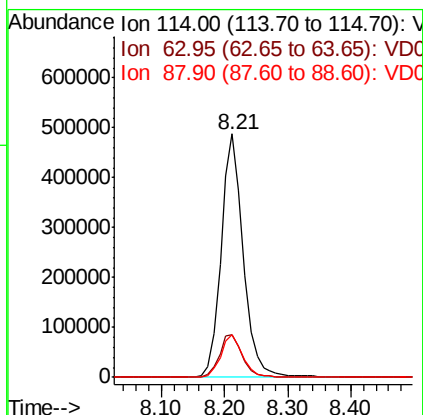
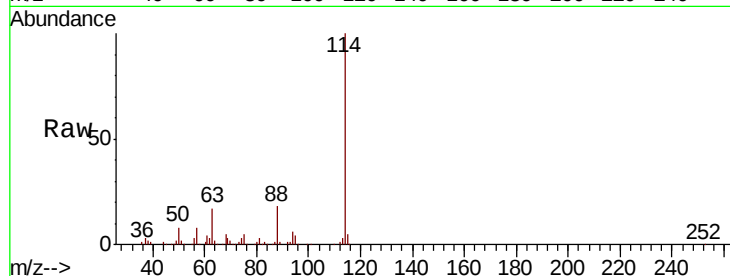




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD06349.D
 Acq: 3 Aug 2019 7:48

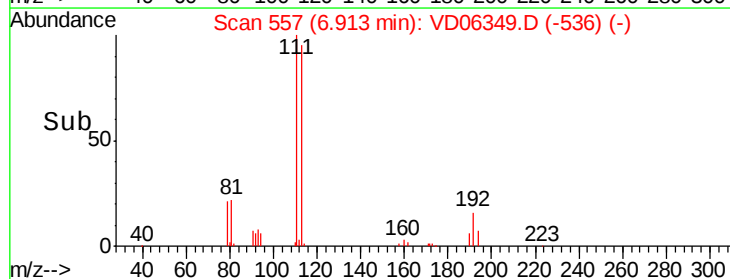
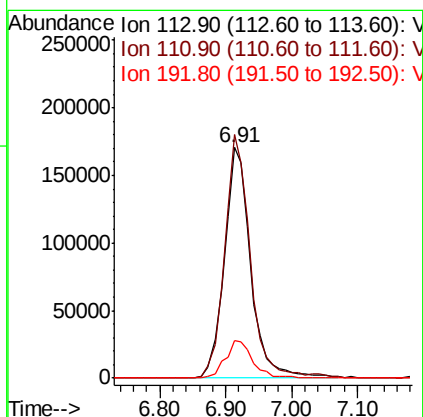
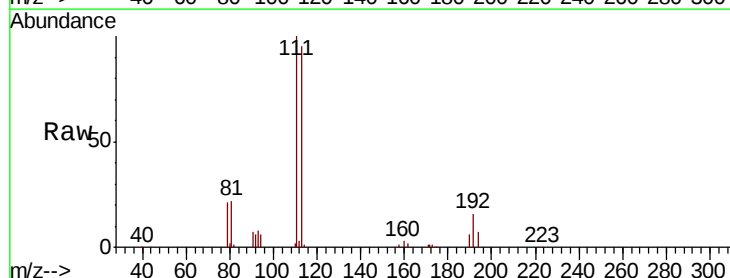
Instrument :
 MSVOA_D
 ClientSampleId :

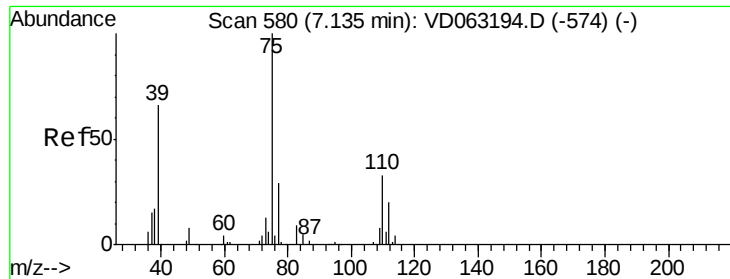
Tgt Ion:114 Resp: 1188223
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 17.6 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 47.041 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD06349.D
 Acq: 3 Aug 2019 7:48

Tgt Ion:113 Resp: 477223
 Ion Ratio Lower Upper
 113 100
 111 105.7 83.2 124.8
 192 16.6 11.8 17.8

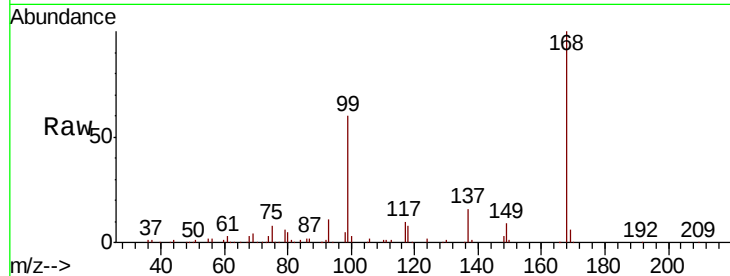




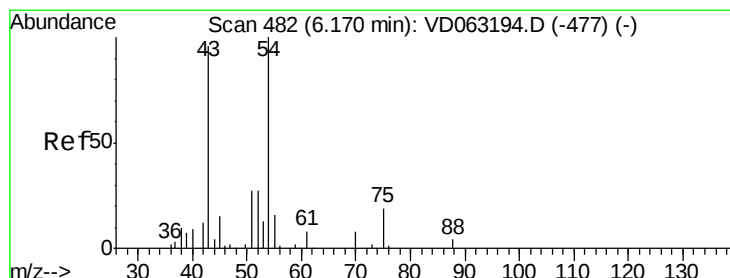
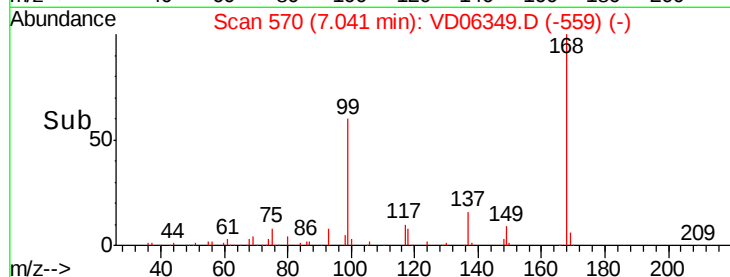
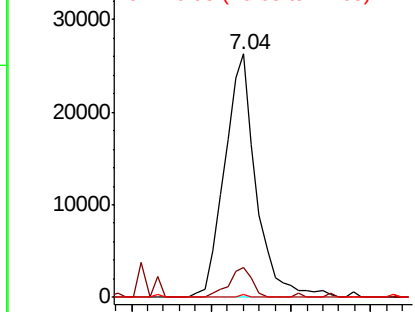
#36
 1,1-Dichloropropene
 Concen: 6.688 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD06349.D
 Acq: 3 Aug 2019 7:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 72525
 Ion Ratio Lower Upper
 75 100
 110 12.5 16.1 48.2#
 77 1.2 22.7 34.1#

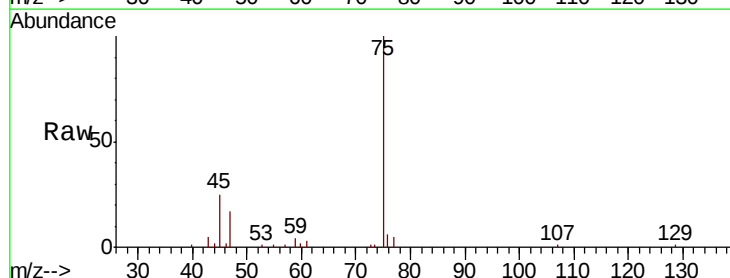


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

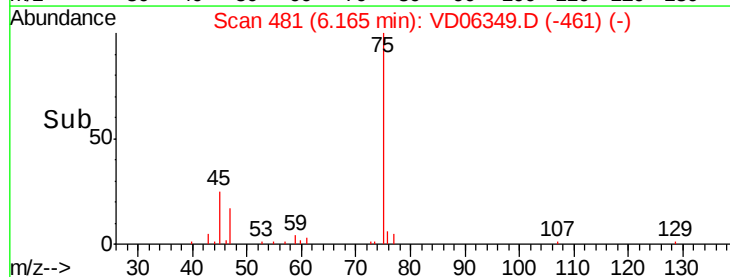
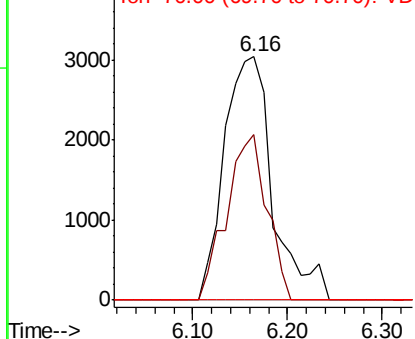


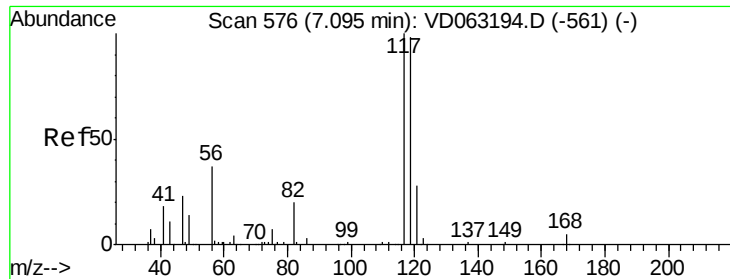
#37
 Ethyl Acetate
 Concen: 2.211 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VD06349.D
 Acq: 3 Aug 2019 7:48

Tgt Ion: 43 Resp: 10773
 Ion Ratio Lower Upper
 43 100
 61 68.0 11.3 16.9#
 70 0.0 5.1 7.7#



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





#38

Carbon Tetrachloride

Concen: 5.382 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.05 min

Lab File: VD06349.D

Acq: 3 Aug 2019 7:48

Instrument :
MSVOA_D
ClientSampleId :

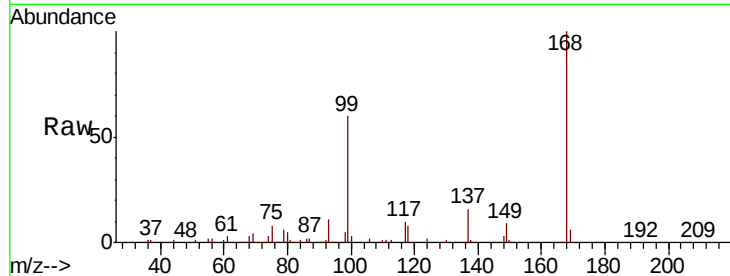
Tgt Ion:117 Resp: 87862

Ion Ratio Lower Upper

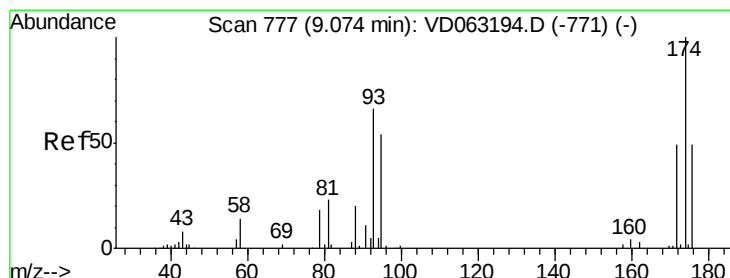
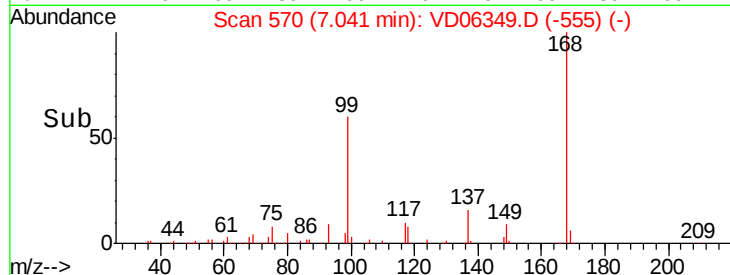
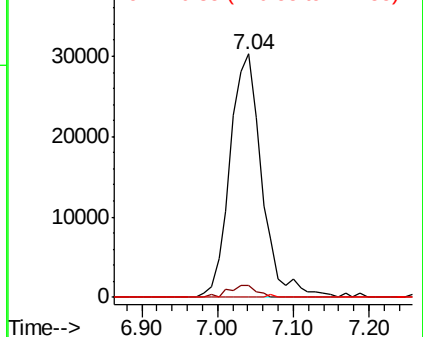
117 100

119 4.8 78.2 117.2#

121 0.0 22.1 33.1#



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



#49

1,4-Dioxane

Concen: 2.151 ug/l

RT: 9.32 min Scan# 802

Delta R.T. 0.25 min

Lab File: VD06349.D

Acq: 3 Aug 2019 7:48

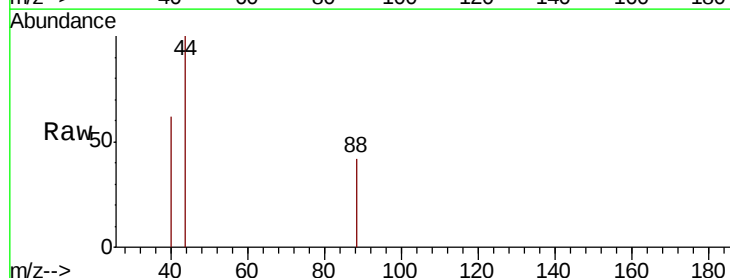
Tgt Ion: 88 Resp: 214

Ion Ratio Lower Upper

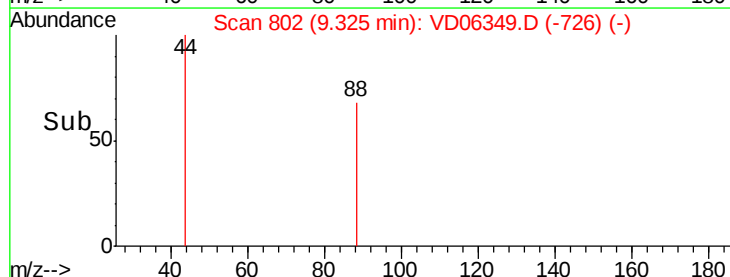
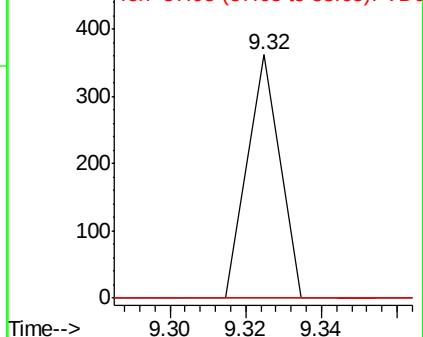
88 100

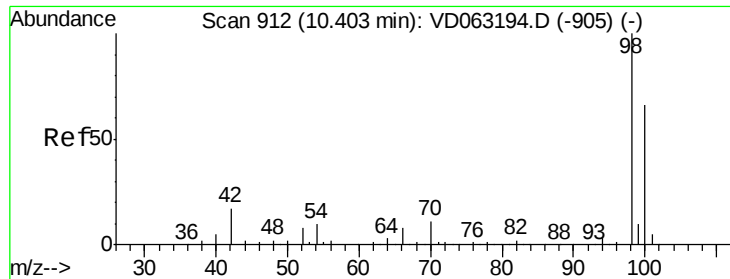
43 236.7 30.7 46.1#

58 0.0 56.5 84.7#



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

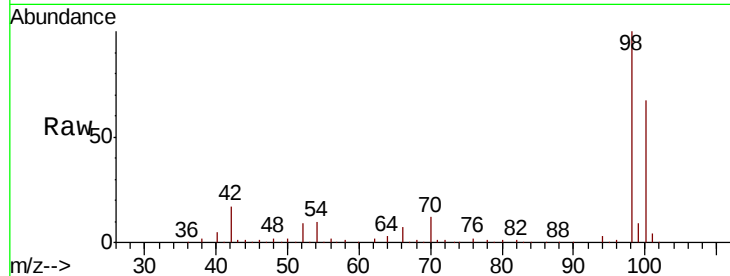




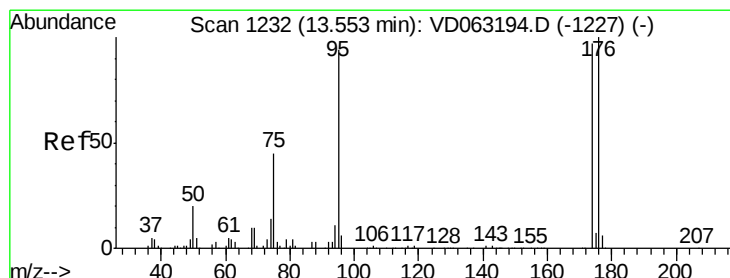
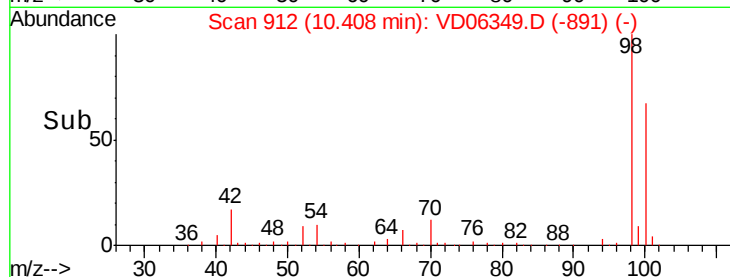
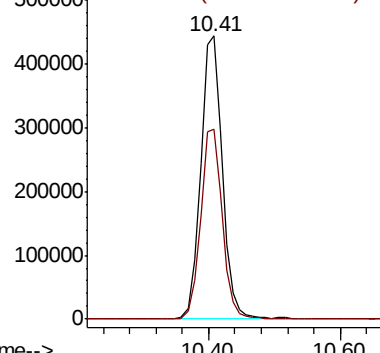
#50
Toluene-d8
Concen: 44.926 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD06349.D
Acq: 3 Aug 2019 7:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 98 Resp: 1020014
Ion Ratio Lower Upper
98 100
100 67.3 53.2 79.8

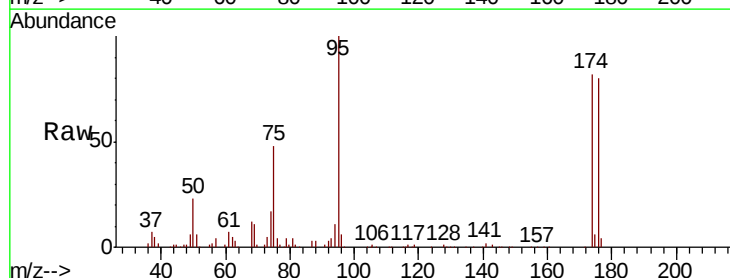


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

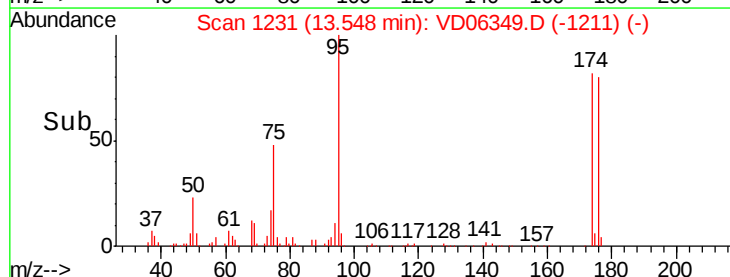
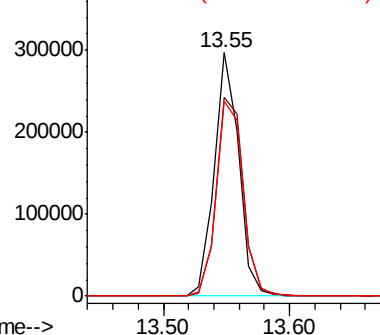


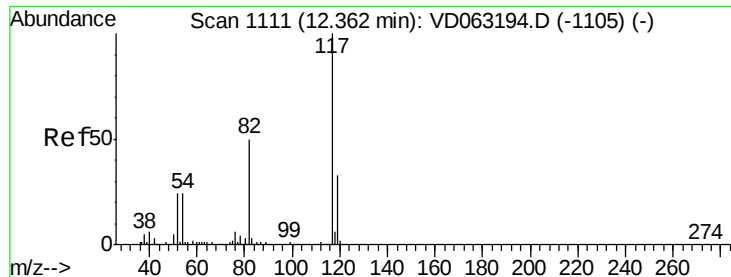
#62
4-Bromofluorobenzene
Concen: 38.390 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD06349.D
Acq: 3 Aug 2019 7:48

Tgt Ion: 95 Resp: 397190
Ion Ratio Lower Upper
95 100
174 81.5 0.0 205.4
176 80.3 0.0 211.8



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

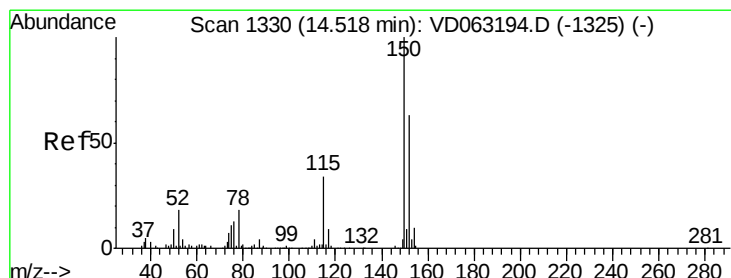
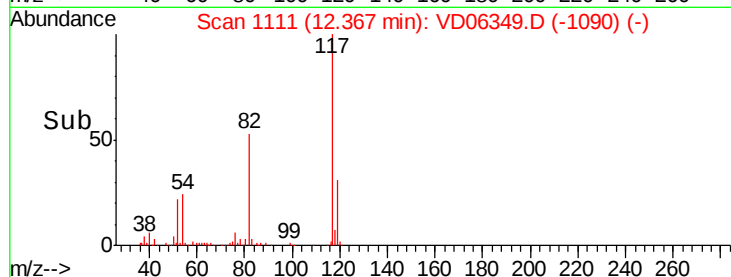
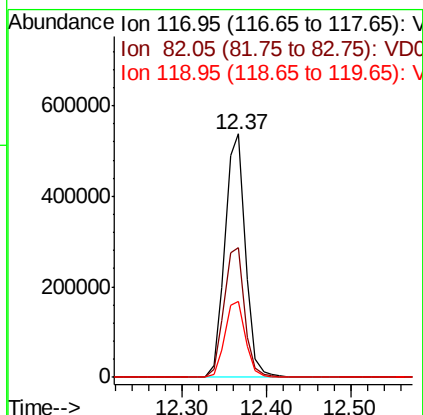
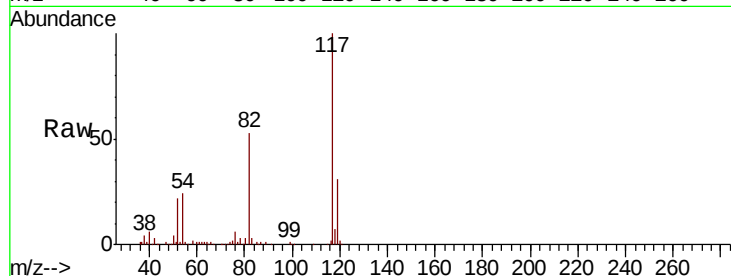




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06349.D
Acq: 3 Aug 2019 7:48

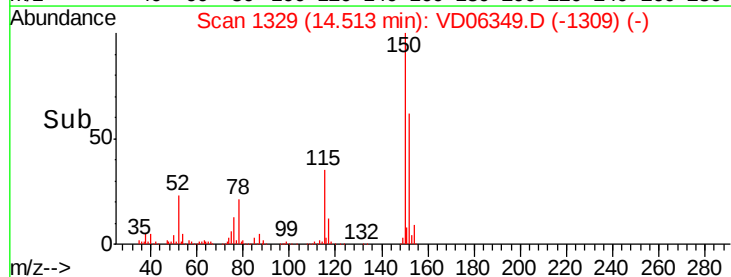
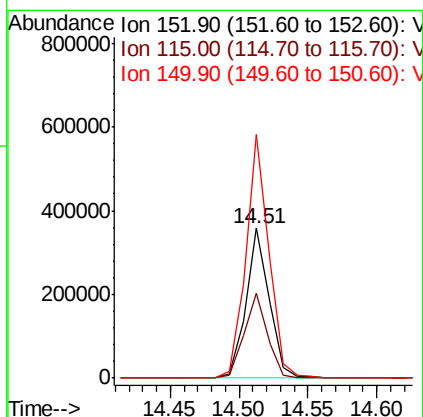
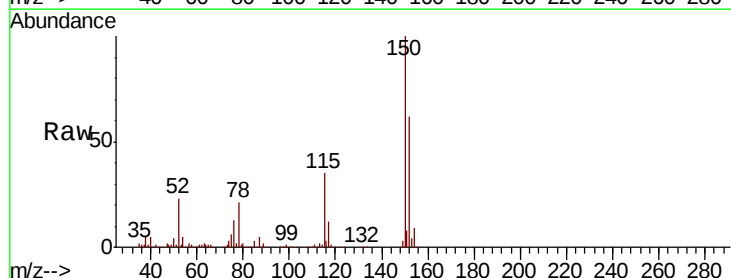
Instrument :
MSVOA_D
ClientSampleId :

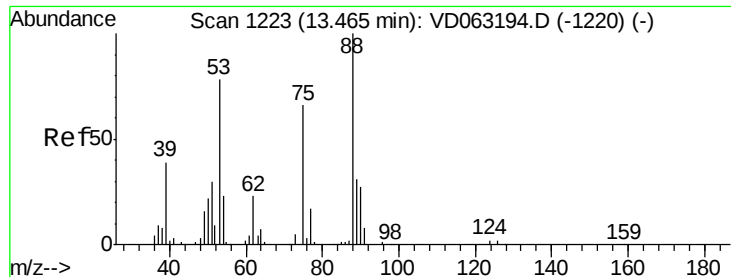
Tgt Ion:117 Resp: 910093
Ion Ratio Lower Upper
117 100
82 53.1 40.1 60.1
119 31.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD06349.D
Acq: 3 Aug 2019 7:48

Tgt Ion:152 Resp: 423650
Ion Ratio Lower Upper
152 100
115 56.9 27.5 82.4
150 162.3 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 132.041 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD06349.D

Acq: 3 Aug 2019 7:48

Instrument :

MSVOA_D

ClientSampleId :

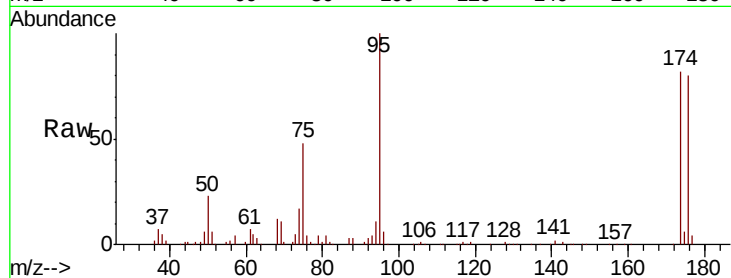
Tgt Ion: 75 Resp: 186574

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

