

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06344.D
 Acq On : 3 Aug 2019 5:32
 Operator : VA/AP
 Sample : K4129-05
 Misc : 4.96g/5ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:45:19 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	982800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1253762	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	982689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	442014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	490594	44.99	ug/l	0.01
Spiked Amount 50.000			Recovery	=	89.98%	
35) Dibromofluoromethane	6.92	113	544902	50.90	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	10.40	98	1007690	42.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.12%	
62) 4-Bromofluorobenzene	13.55	95	399882	36.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.26%	

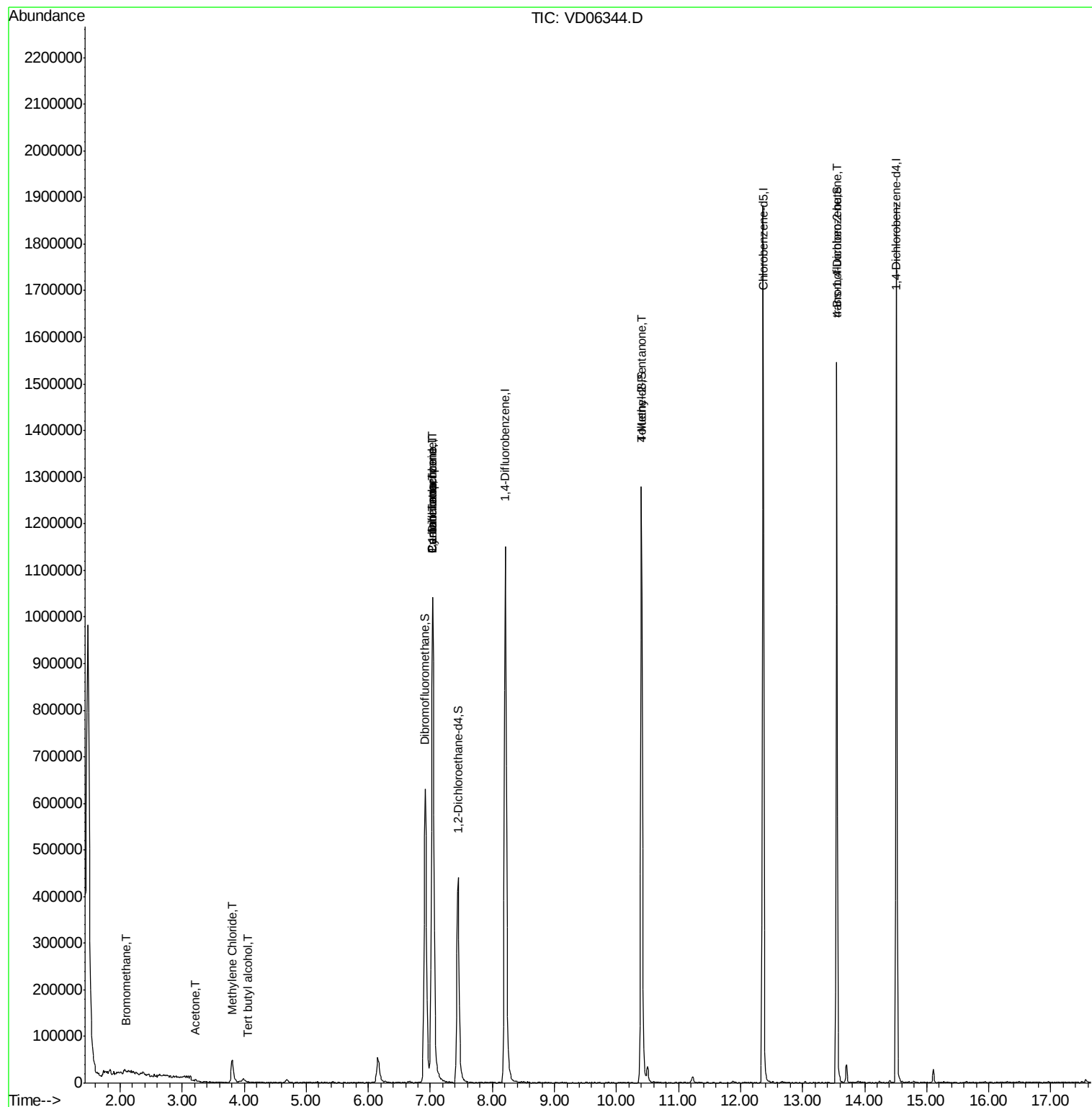
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.09	94	5745	1.179	ug/l #	12
11) Tert butyl alcohol	4.05	59	1580	3.302	ug/l #	69
16) Acetone	3.22	43	6347	2.987	ug/l	97
20) Methylene Chloride	3.81	84	30119	3.507	ug/l #	93
31) Cyclohexane	7.04	56	19949	2.054	ug/l #	2
36) 1,1-Dichloropropene	7.04	75	77129	6.741	ug/l #	55
38) Carbon Tetrachloride	7.04	117	98598	5.724	ug/l #	11
51) 4-Methyl-2-Pentanone	10.39	43	6629	1.484	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	194727	132.086	ug/l #	3

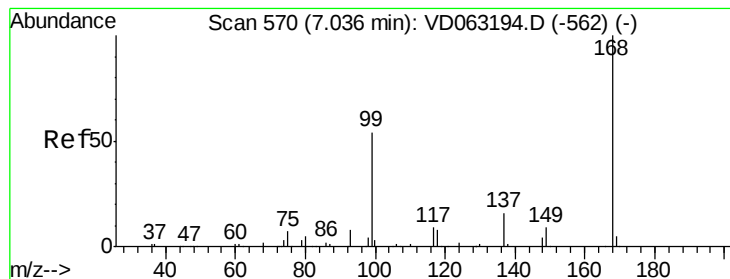
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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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: VD06344.D

Acq: 3 Aug 2019 5:32

Instrument :

MSVOA_D

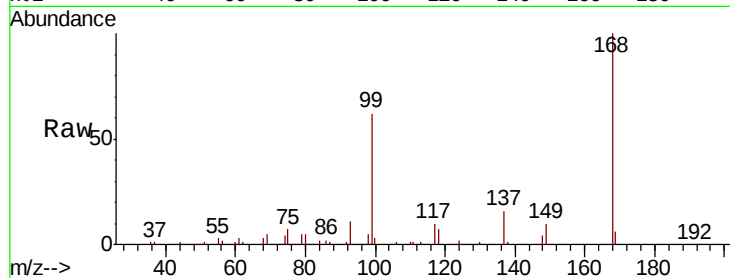
ClientSampleId :

Tgt Ion:168 Resp: 982800

Ion Ratio Lower Upper

168 100

99 62.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

400000

300000

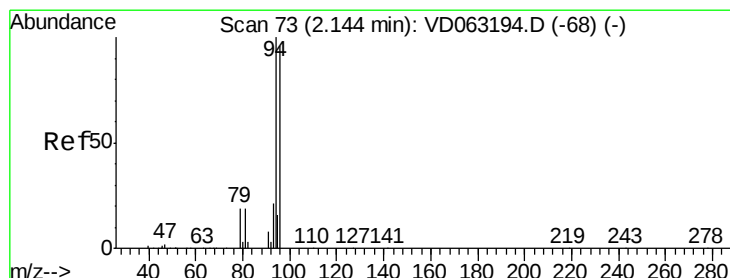
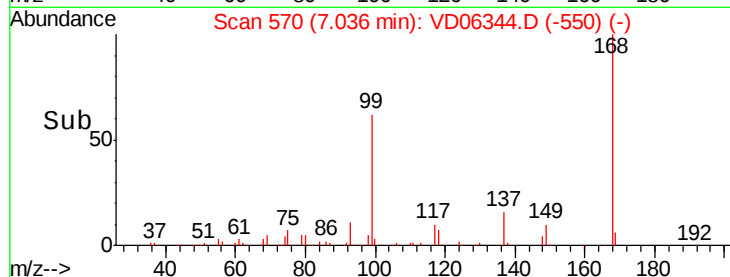
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#5

Bromomethane

Concen: 1.179 ug/l

RT: 2.09 min Scan# 68

Delta R.T. -0.05 min

Lab File: VD06344.D

Acq: 3 Aug 2019 5:32

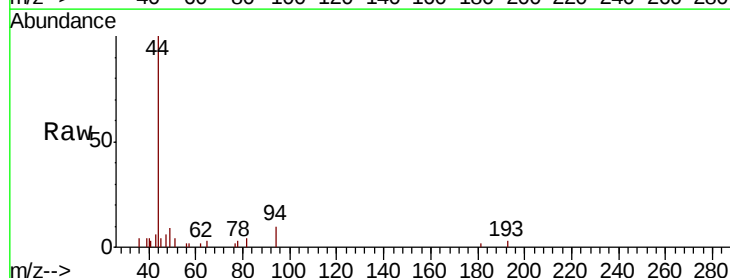
Tgt Ion: 94 Resp: 5745

Ion Ratio Lower Upper

94 100

96 0.0 76.4 114.6#

93 0.0 17.3 25.9#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2000

1500

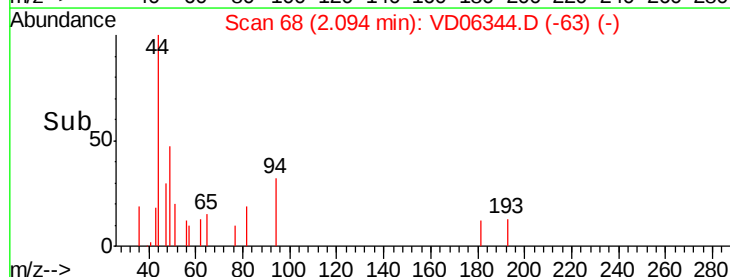
1000

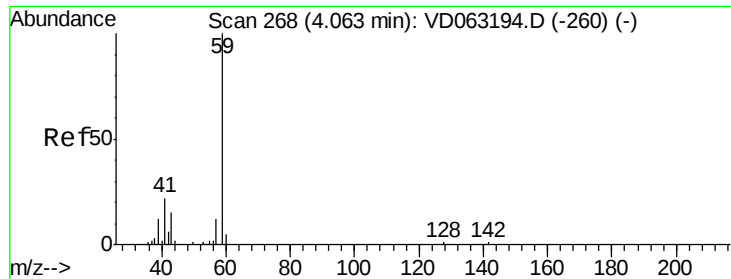
500

0

Time-->

2.05 2.10 2.15 2.20

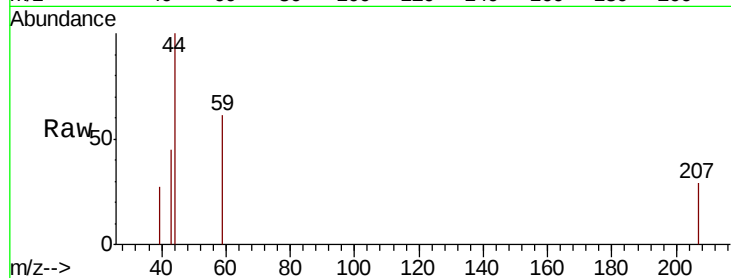




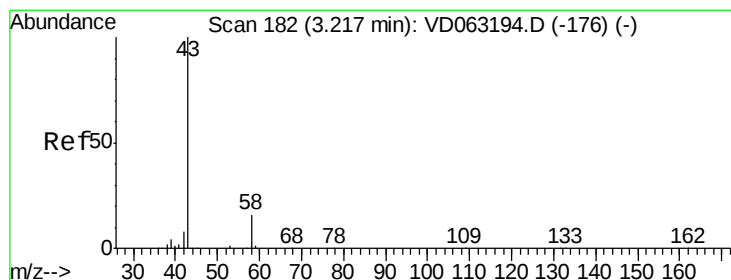
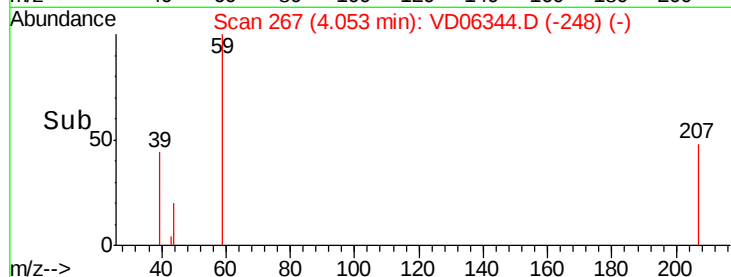
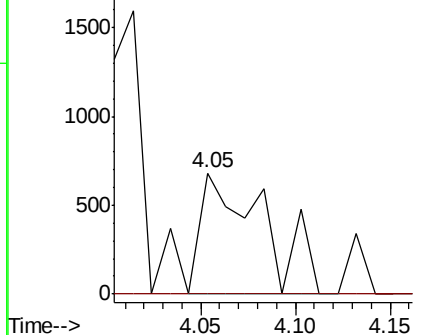
#11
Tert butyl alcohol
Concen: 3.302 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 59 Resp: 1580
Ion Ratio Lower Upper
59 100
57 0.0 9.6 14.4#

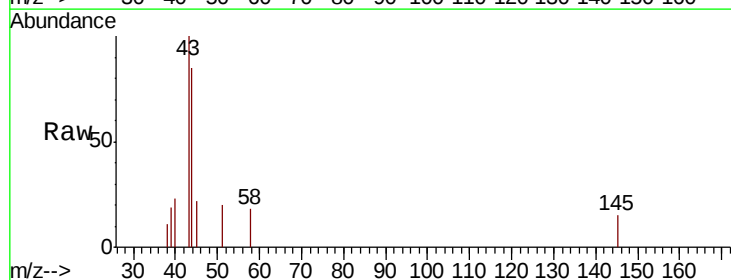


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

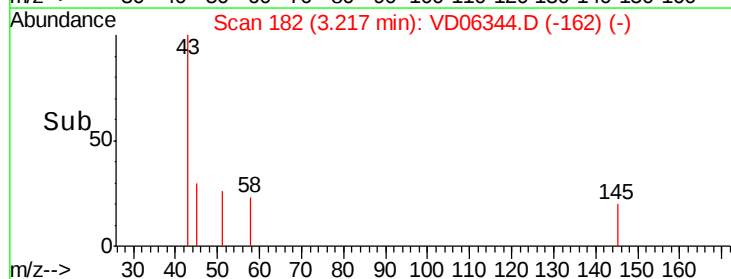
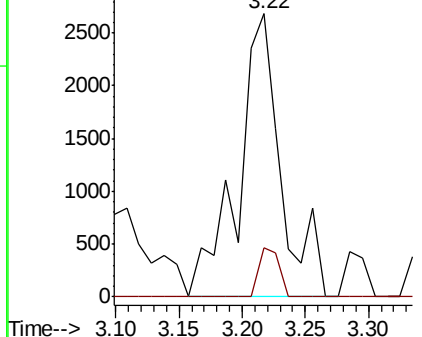


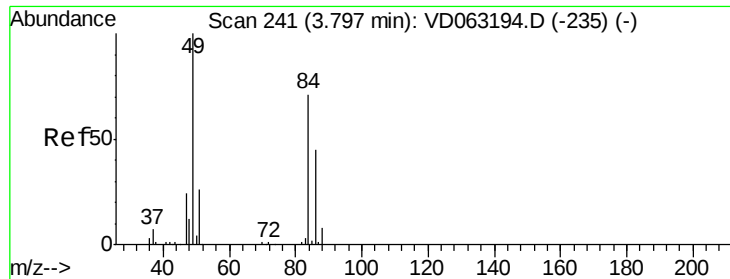
#16
Acetone
Concen: 2.987 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

Tgt Ion: 43 Resp: 6347
Ion Ratio Lower Upper
43 100
58 17.6 13.0 19.4



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

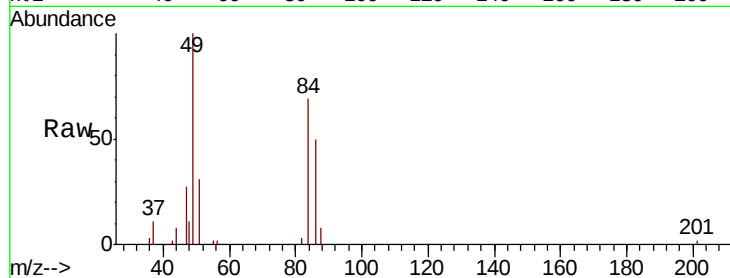




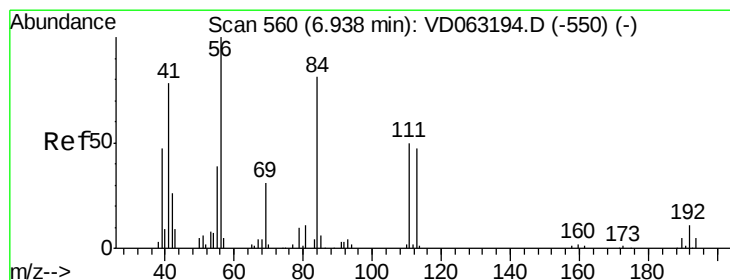
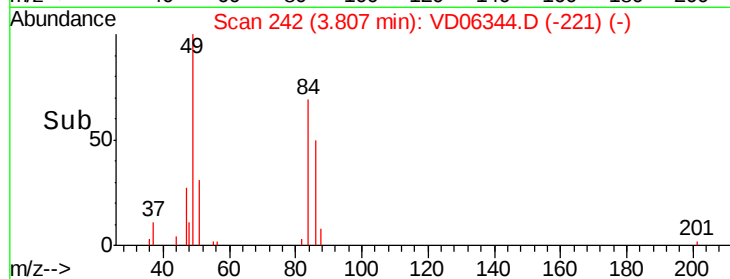
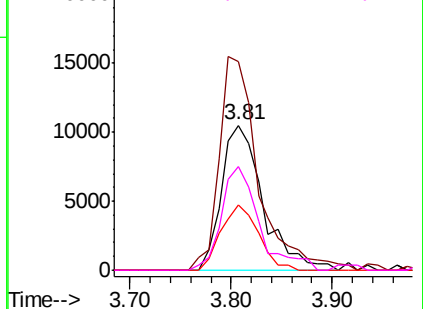
#20
Methylene Chloride
Concen: 3.507 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 30119
Ion Ratio Lower Upper
84 100
49 144.4 112.5 168.7
51 45.0 29.6 44.4#
86 72.0 50.4 75.6

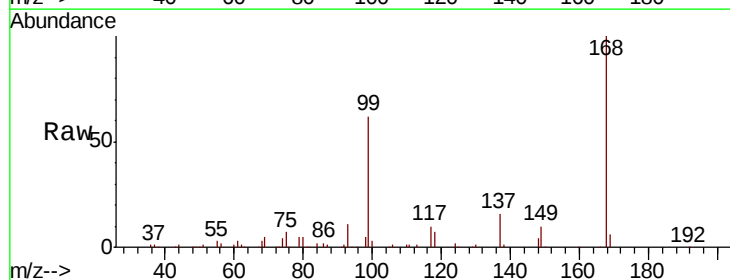


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

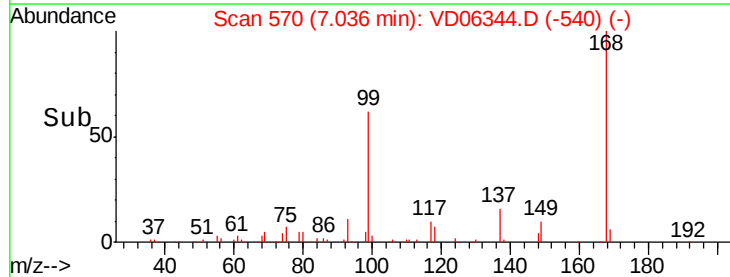
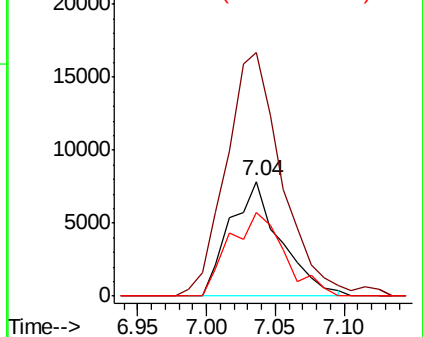


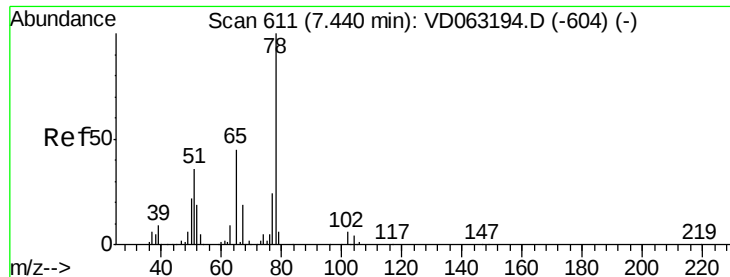
#31
Cyclohexane
Concen: 2.054 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

Tgt Ion: 56 Resp: 19949
Ion Ratio Lower Upper
56 100
69 213.0 24.5 36.7#
84 72.6 64.9 97.3



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: 44.988 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD06344.D

Acq: 3 Aug 2019 5:32

Instrument :

MSVOA_D

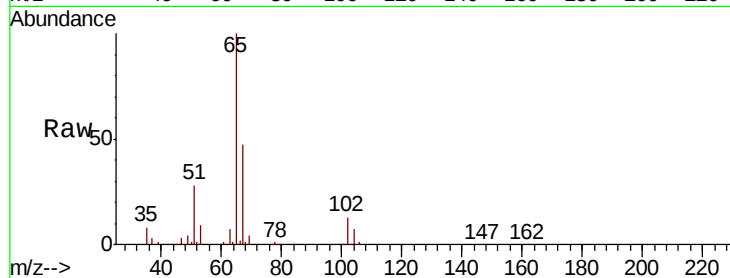
ClientSampled :

Tgt Ion: 65 Resp: 490594

Ion Ratio Lower Upper

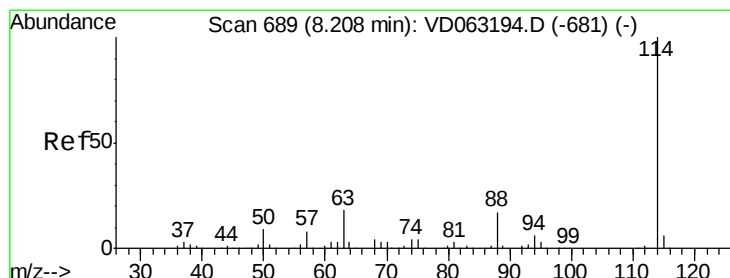
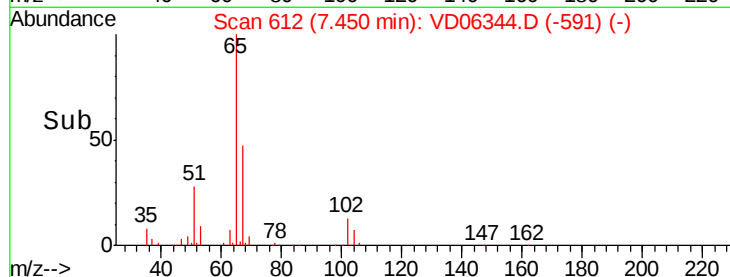
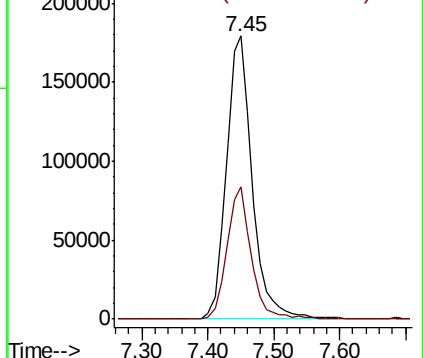
65 100

67 46.5 0.0 85.8



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: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD06344.D

Acq: 3 Aug 2019 5:32

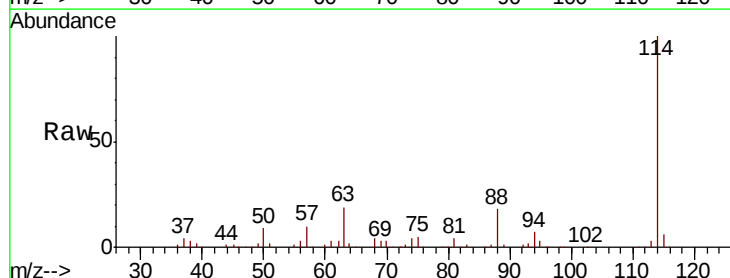
Tgt Ion: 114 Resp: 1253762

Ion Ratio Lower Upper

114 100

63 19.4 0.0 35.2

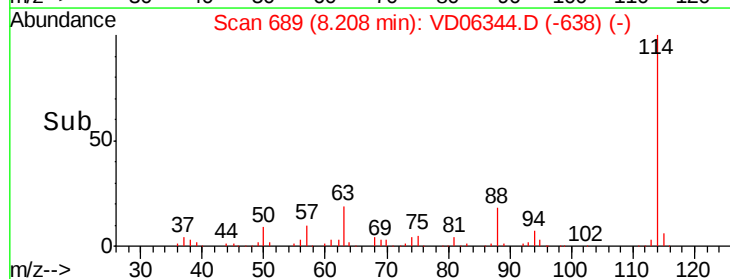
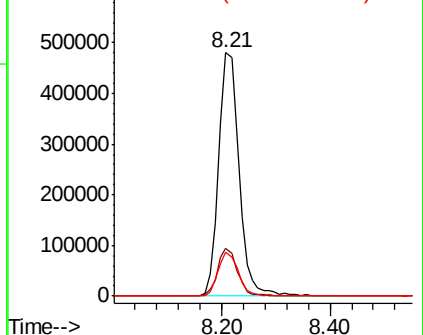
88 18.1 0.0 34.6

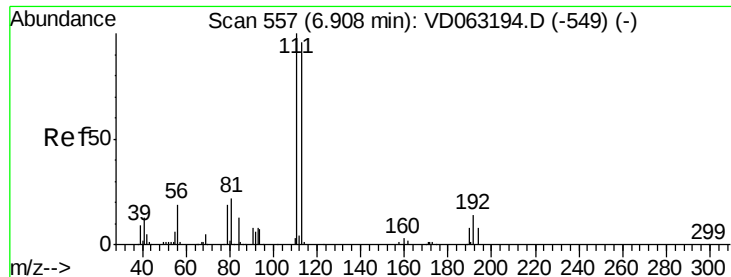


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.904 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD06344.D

Acq: 3 Aug 2019 5:32

Instrument :

MSVOA_D

ClientSampled :

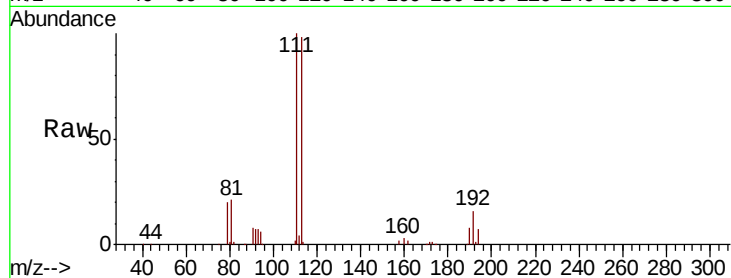
Tgt Ion: 113 Resp: 544902

Ion Ratio Lower Upper

113 100

111 101.6 83.2 124.8

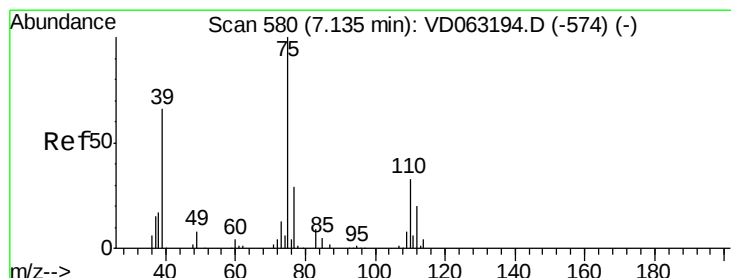
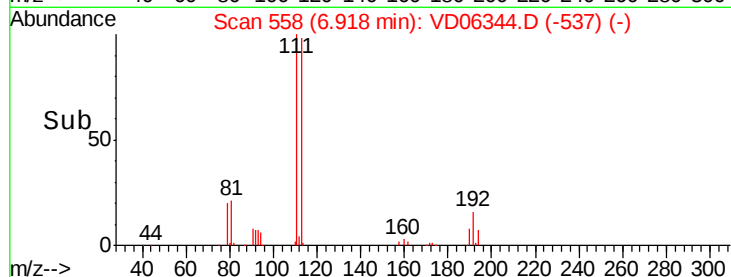
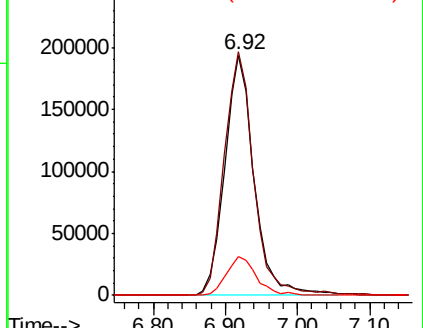
192 16.1 11.8 17.8



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: 6.741 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD06344.D

Acq: 3 Aug 2019 5:32

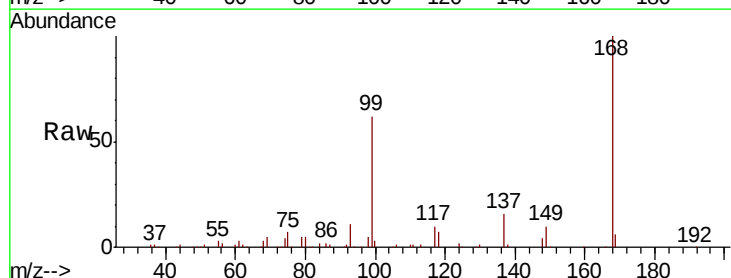
Tgt Ion: 75 Resp: 77129

Ion Ratio Lower Upper

75 100

110 10.7 16.1 48.2#

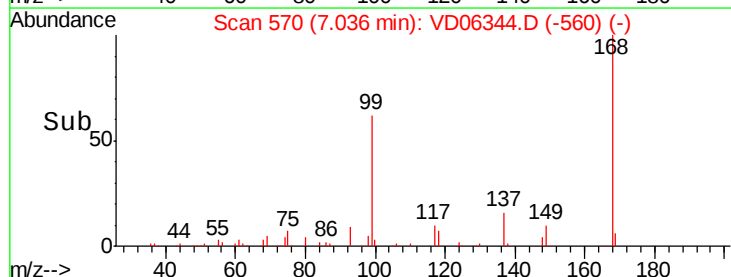
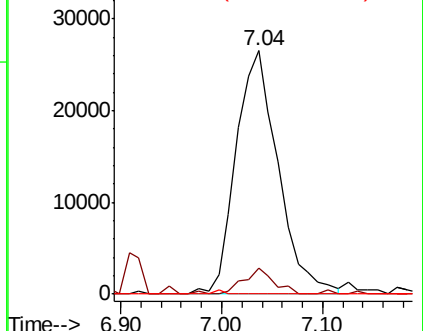
77 0.0 22.7 34.1#

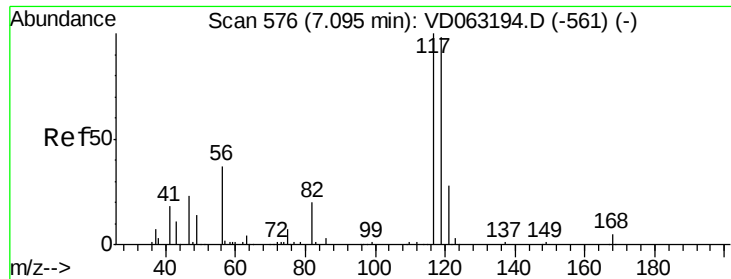


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.724 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD06344.D

Acq: 3 Aug 2019 5:32

Instrument :

MSVOA_D

ClientSampleId :

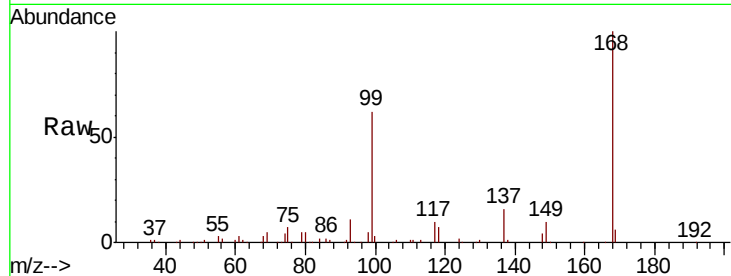
Tgt Ion:117 Resp: 98598

Ion Ratio Lower Upper

117 100

119 0.0 78.2 117.2#

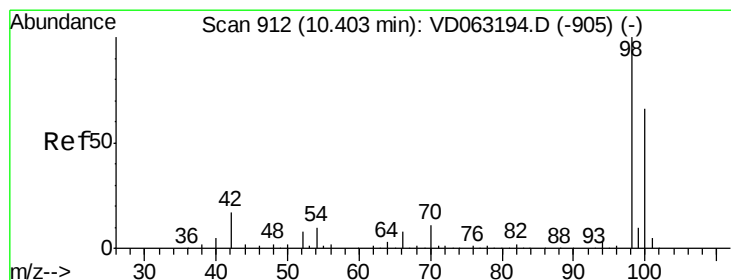
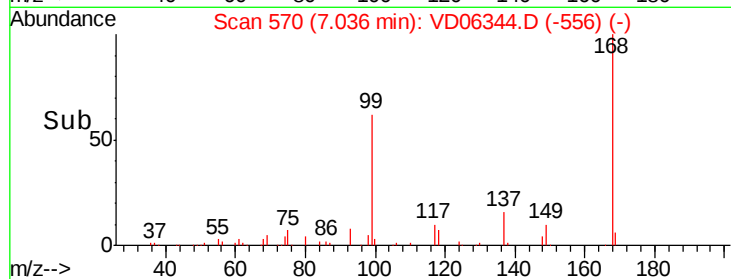
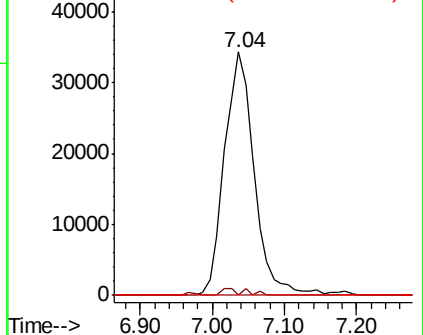
121 0.0 22.1 33.1#



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



#50

Toluene-d8

Concen: 42.063 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD06344.D

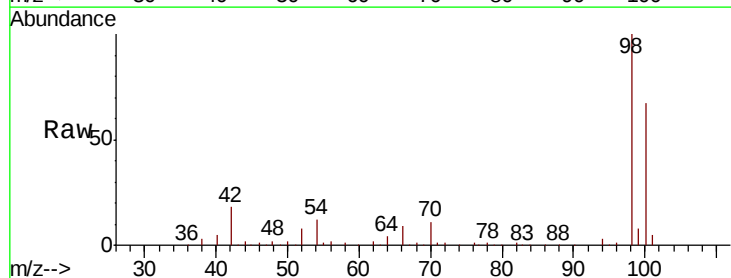
Acq: 3 Aug 2019 5:32

Tgt Ion: 98 Resp: 1007690

Ion Ratio Lower Upper

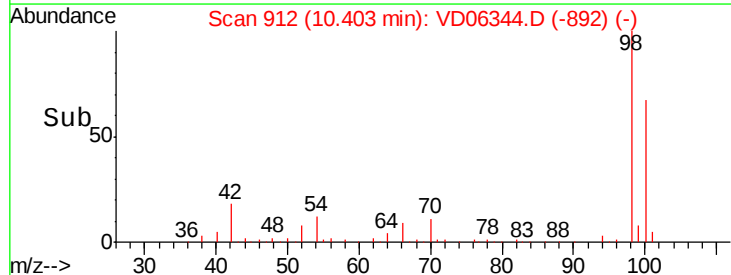
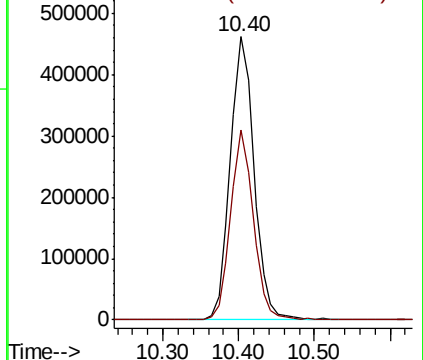
98 100

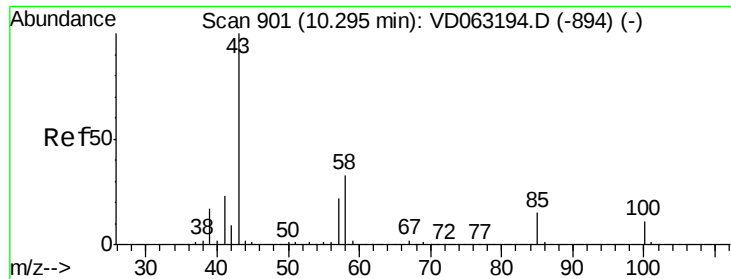
100 67.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

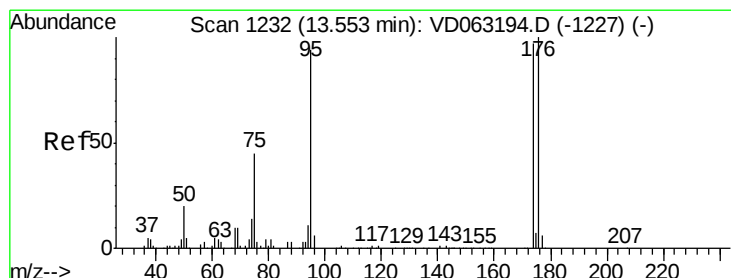
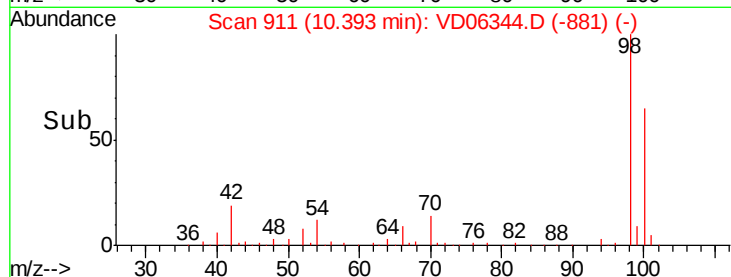
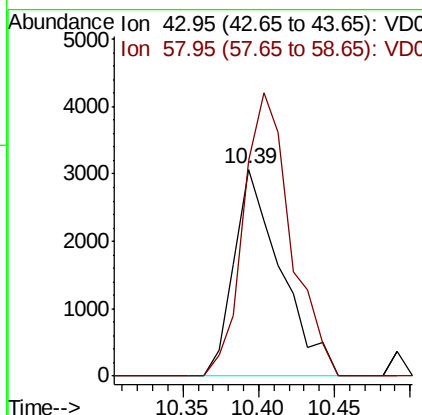
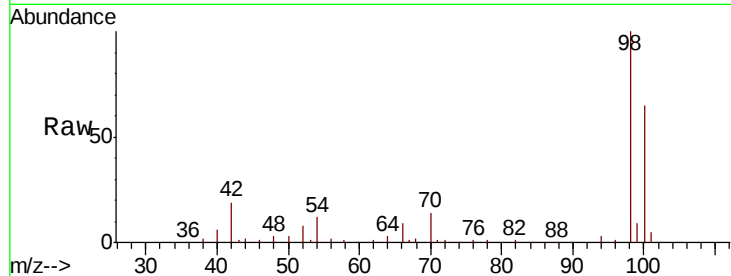




#51
4-Methyl-2-Pentanone
Concen: 1.484 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.10 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

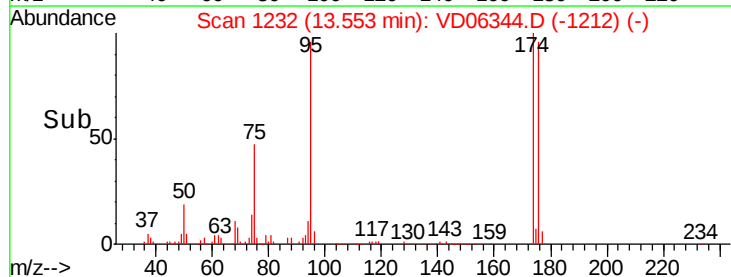
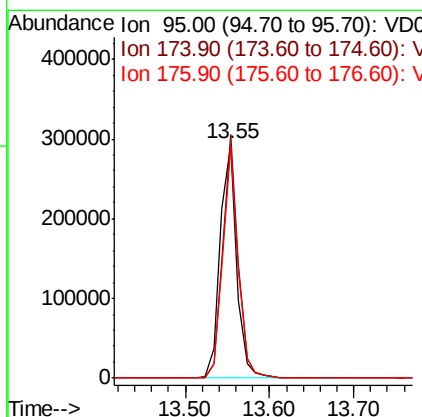
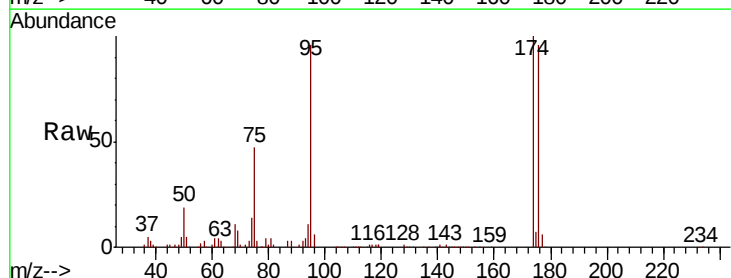
Instrument :
MSVOA_D
ClientSampleId :

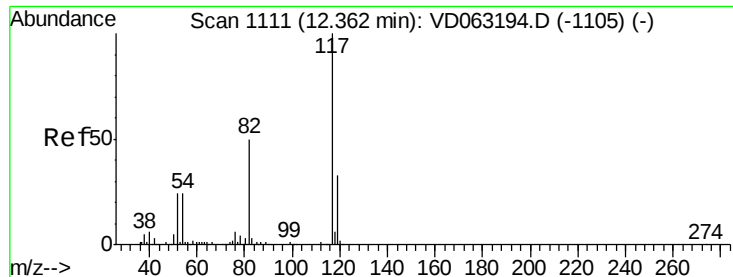
Tgt Ion: 43 Resp: 6629
Ion Ratio Lower Upper
43 100
58 104.2 26.2 39.2#



#62
4-Bromofluorobenzene
Concen: 36.630 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

Tgt Ion: 95 Resp: 399882
Ion Ratio Lower Upper
95 100
174 104.3 0.0 205.4
176 99.7 0.0 211.8

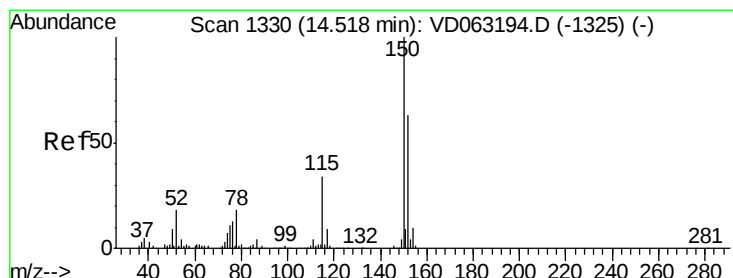
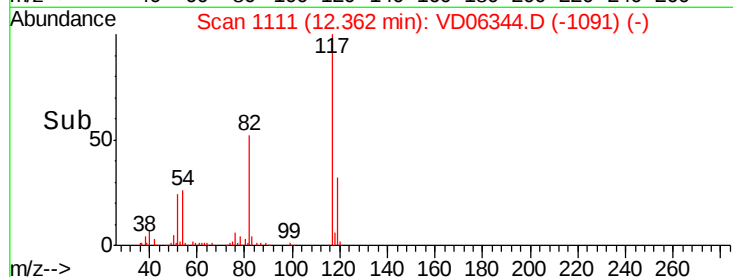
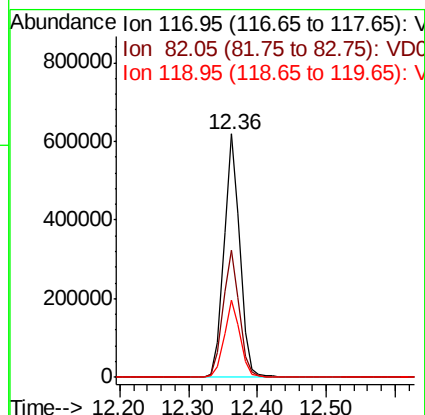
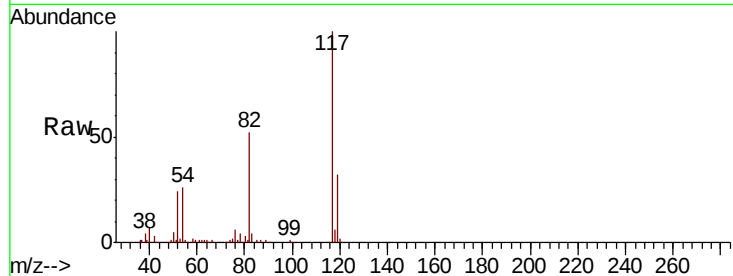




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

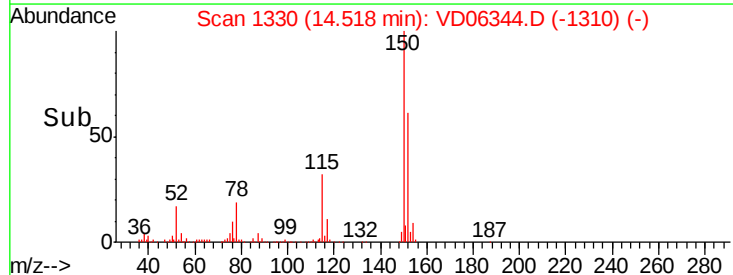
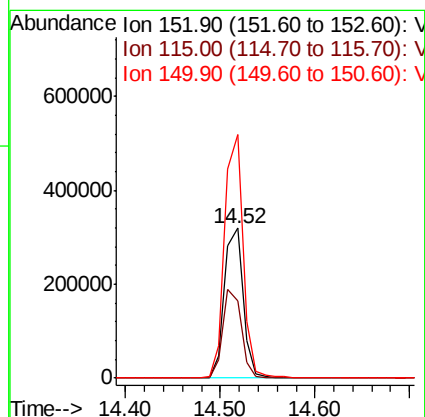
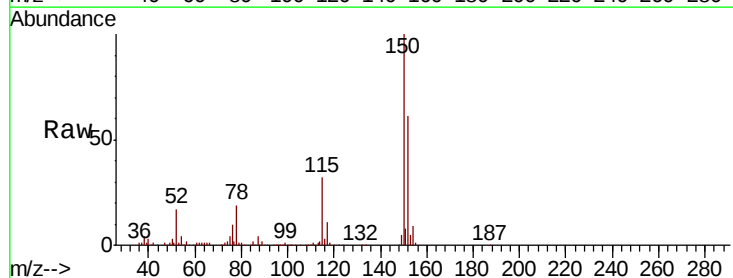
Instrument :
MSVOA_D
ClientSampleId :

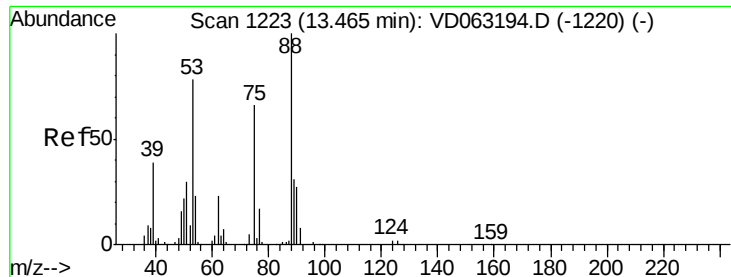
Tgt Ion:117 Resp: 982689
Ion Ratio Lower Upper
117 100
82 52.3 40.1 60.1
119 31.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD06344.D
Acq: 3 Aug 2019 5:32

Tgt Ion:152 Resp: 442014
Ion Ratio Lower Upper
152 100
115 51.6 27.5 82.4
150 162.7 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 132.086 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06344.D

Acq: 3 Aug 2019 5:32

Instrument :

MSVOA_D

ClientSampleId :

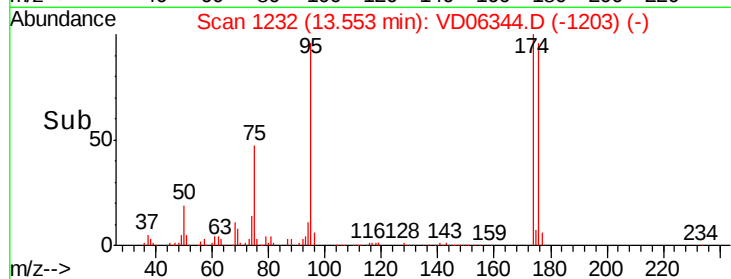
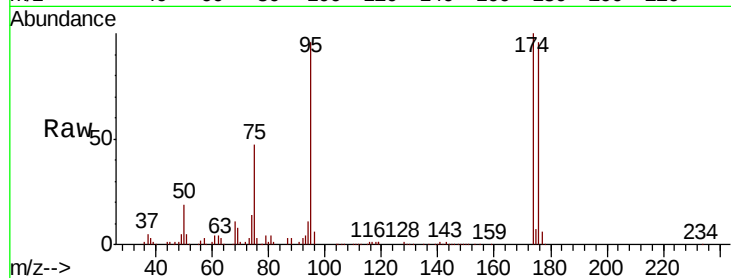
Tgt Ion: 75 Resp: 194727

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

