

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064359.D
 Acq On : 25 Nov 2019 14:35
 Operator : VA/SY
 Sample : K5999-01
 Misc : 3.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:35:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	542045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	242671	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	207727	71.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	143.68%	
35) Dibromofluoromethane	7.92	113	176780	56.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.64%	
50) Toluene-d8	10.34	98	626949	53.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.64	95	217592	53.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.06%	

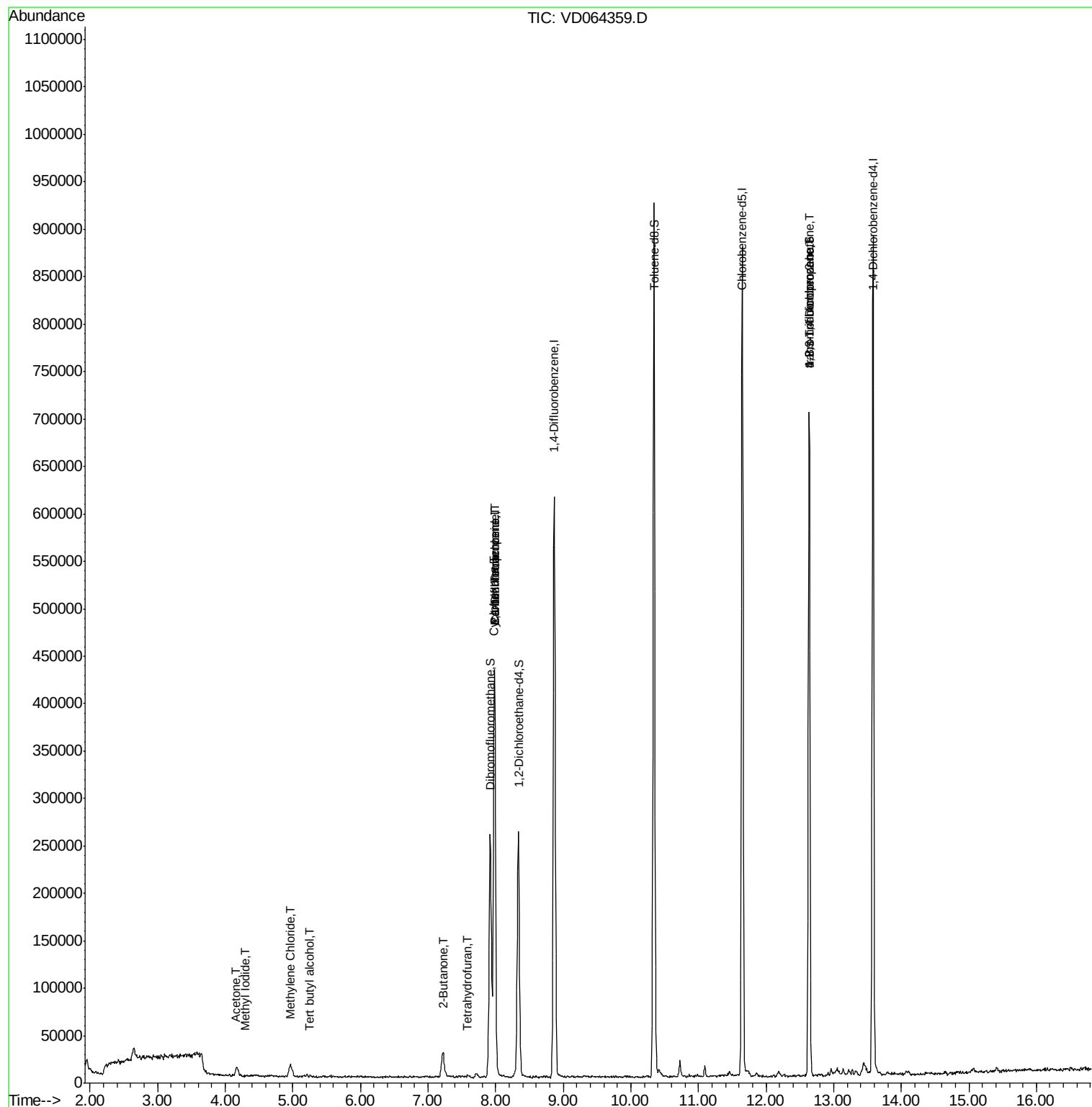
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	195	2.084	ug/l #	89
11) Tert butyl alcohol	5.24	59	394	1.951	ug/l #	69
16) Acetone	4.17	43	17393	25.390	ug/l	99
20) Methylene Chloride	4.97	84	9099	2.630	ug/l	96
25) 2-Butanone	7.23	43	5098	5.760	ug/l #	59
29) Tetrahydrofuran	7.58	42	964	1.813	ug/l #	80
31) Cyclohexane	7.97	56	7570	1.334	ug/l #	47
36) 1,1-Dichloropropene	7.98	75	23918	4.781	ug/l #	50
38) Carbon Tetrachloride	7.98	117	31325	5.852	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	112162	57.382	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112162	113.984	ug/l #	10

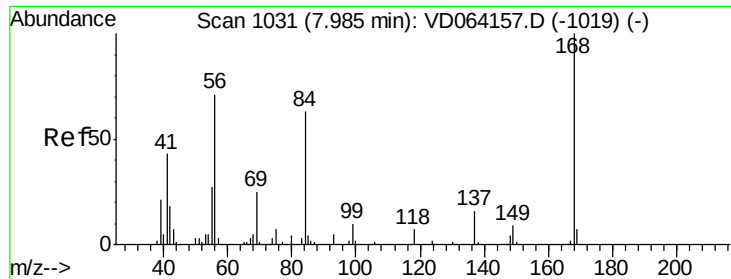
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064359.D

Acq: 25 Nov 2019 14:35

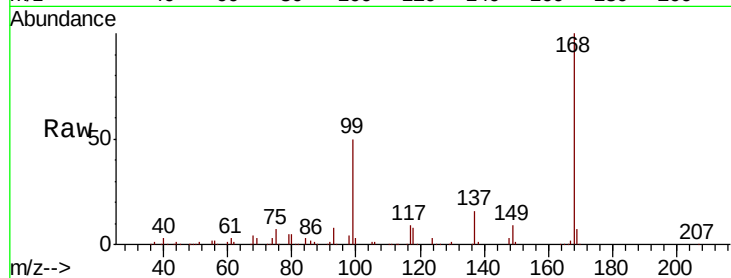
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 351588

Ion Ratio Lower Upper

168 100

99 50.2 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

150000

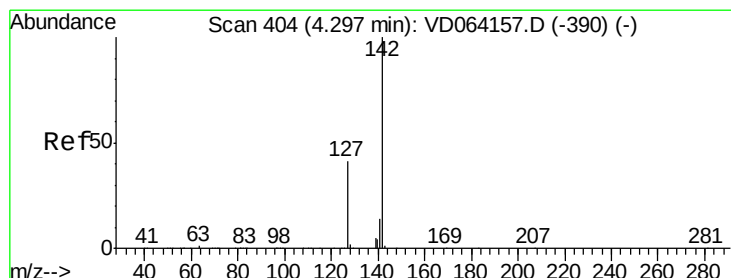
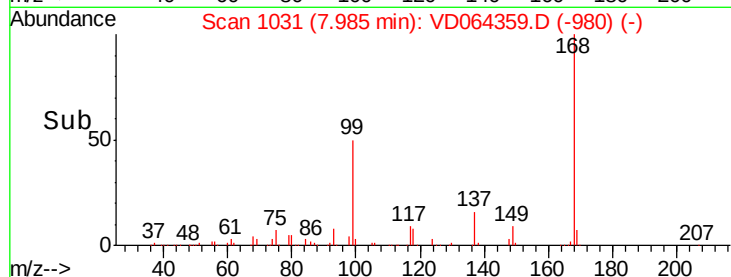
100000

50000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.084 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064359.D

Acq: 25 Nov 2019 14:35

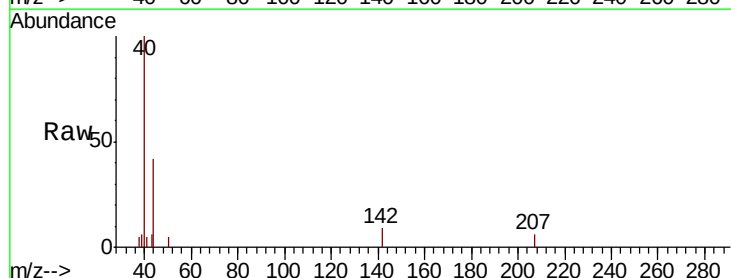
Tgt Ion:142 Resp: 195

Ion Ratio Lower Upper

142 100

127 40.5 34.4 51.6

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

400

300

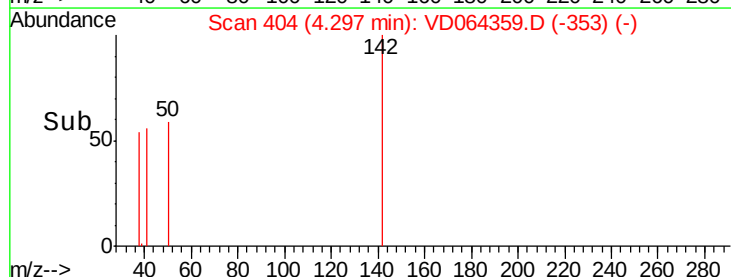
200

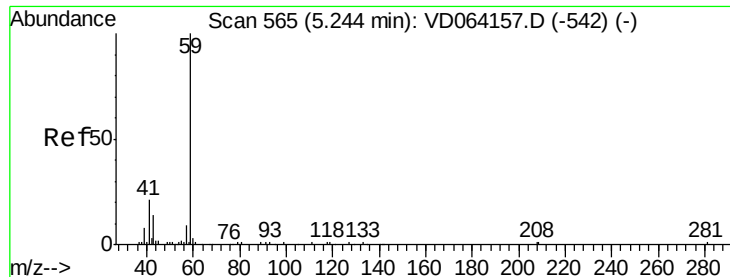
100

0

Time-->

4.27 4.28 4.29 4.30 4.31

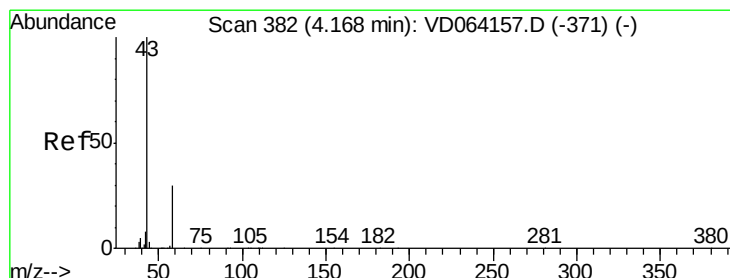
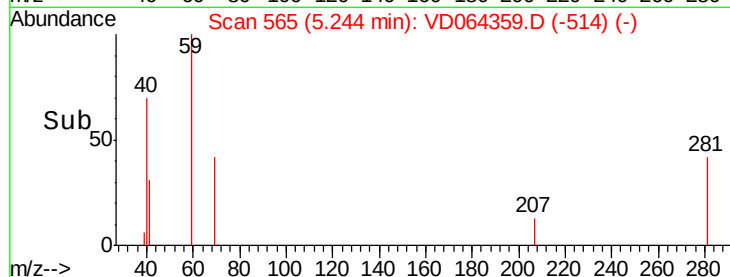
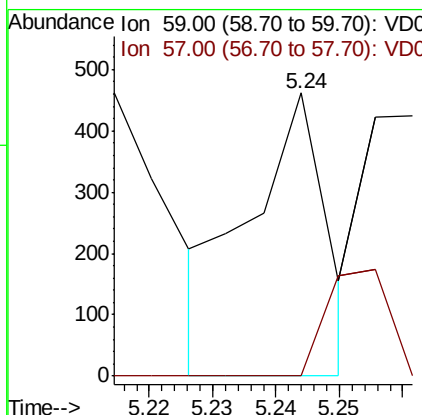
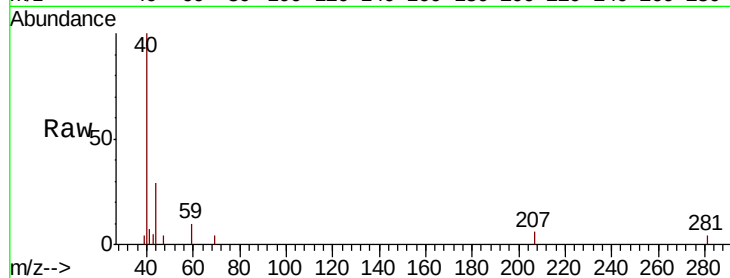




#11
Tert butyl alcohol
Concen: 1.951 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

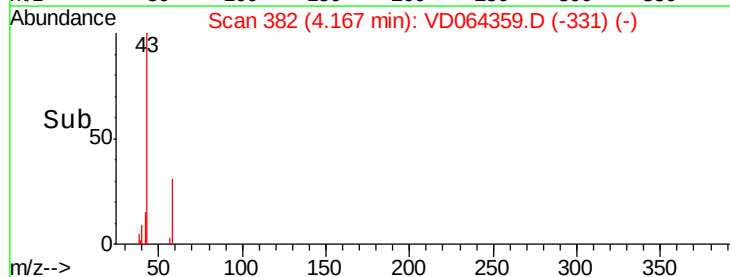
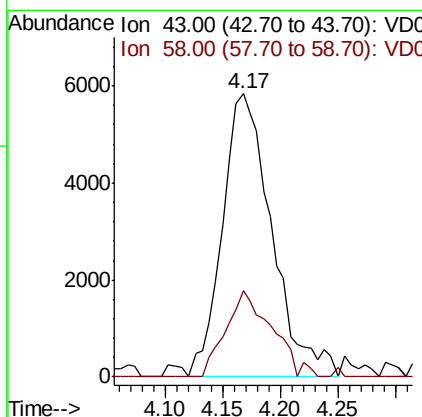
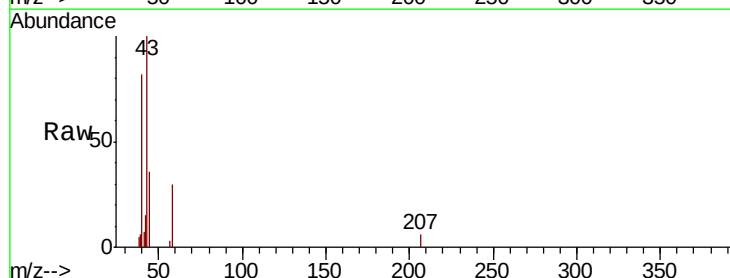
Instrument :
MSVOA_D
ClientSampleId :

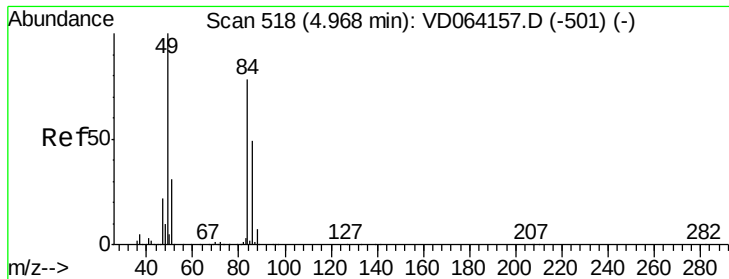
Tot Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#



#16
Acetone
Concen: 25.390 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

Tgt Ion: 43 Resp: 17393
Ion Ratio Lower Upper
43 100
58 30.5 24.1 36.1

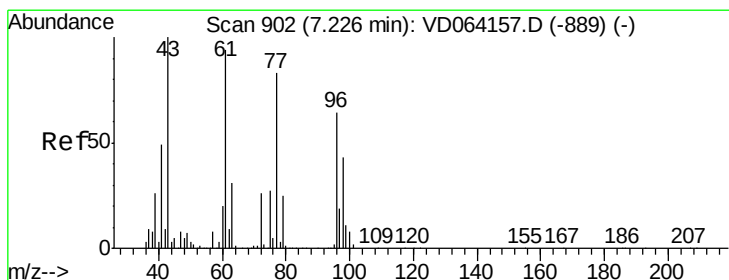
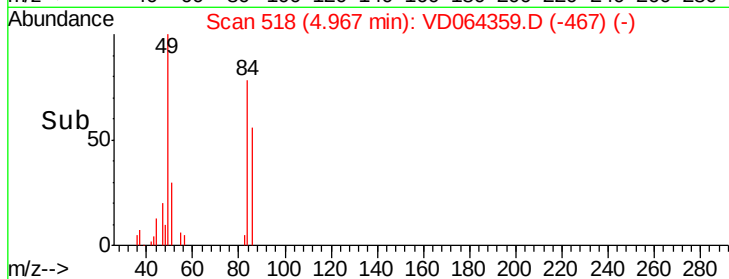
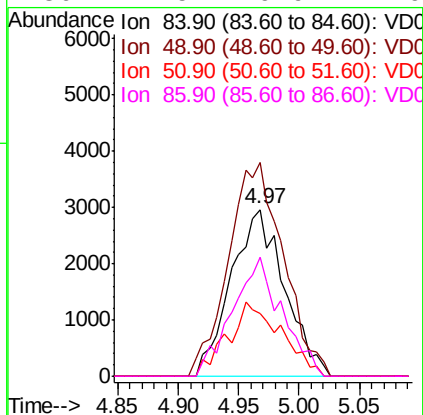
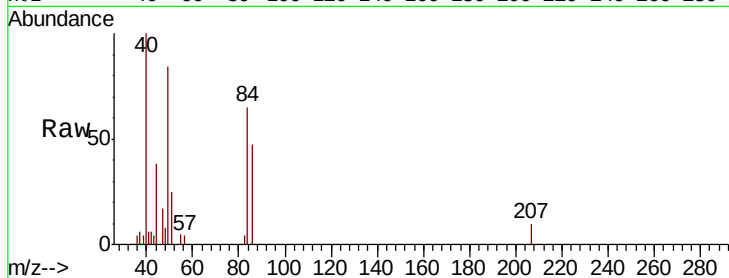




#20
Methylene Chloride
Concen: 2.630 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

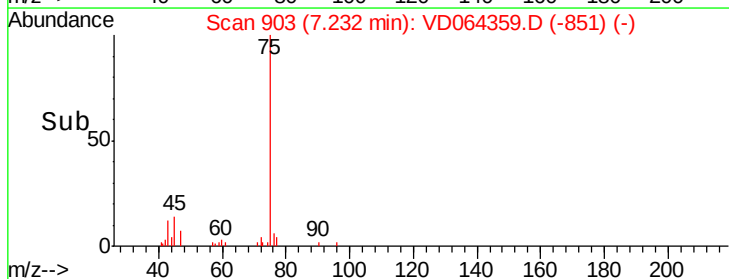
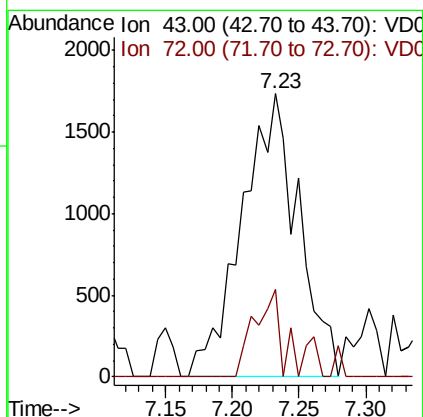
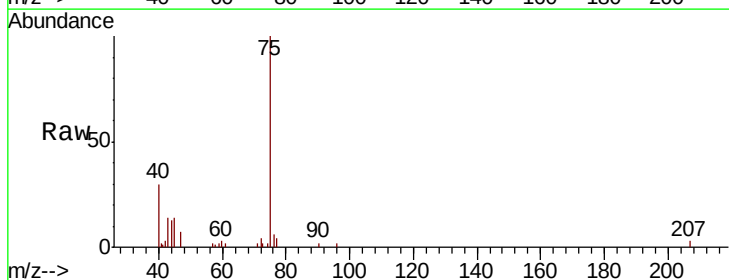
Instrument :
MSVOA_D
ClientSampled :

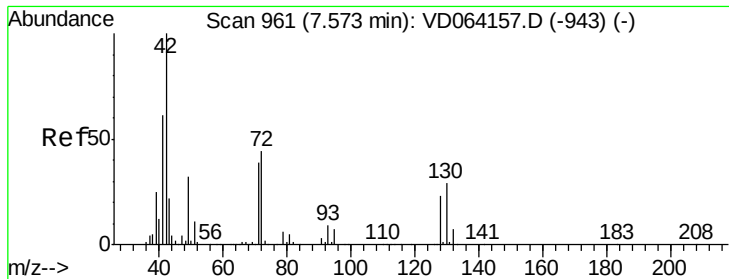
Tot Ion:	84	Resp:	9099
Ion	Ratio	Lower	Upper
84	100		
49	127.9	102.1	153.1
51	38.0	32.2	48.2
86	71.5	49.9	74.9



#25
2-Butanone
Concen: 5.760 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

Tgt Ion:	43	Resp:	5098
Ion	Ratio	Lower	Upper
43	100		
72	46.5	20.6	30.8#

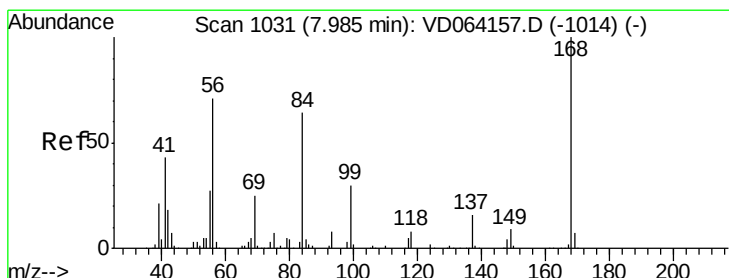
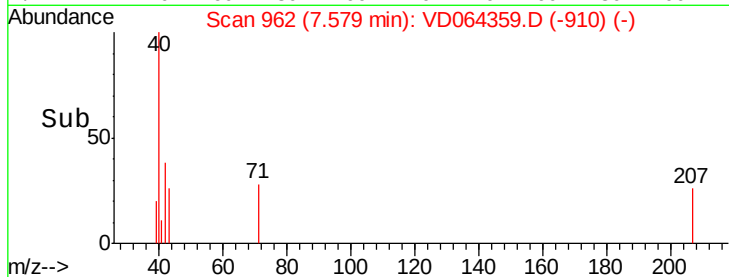
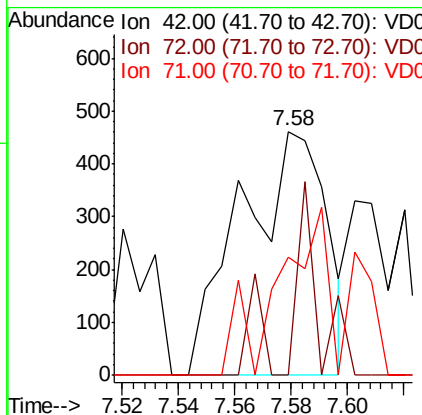
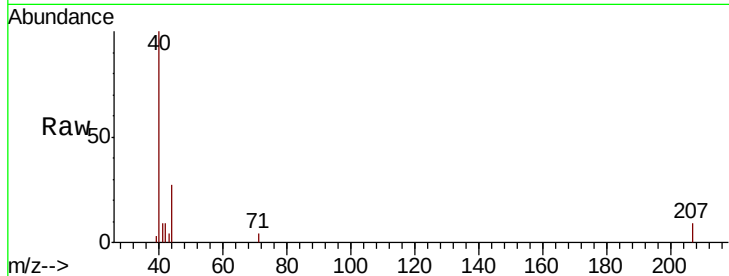




#29
Tetrahydrofuran
Concen: 1.813 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

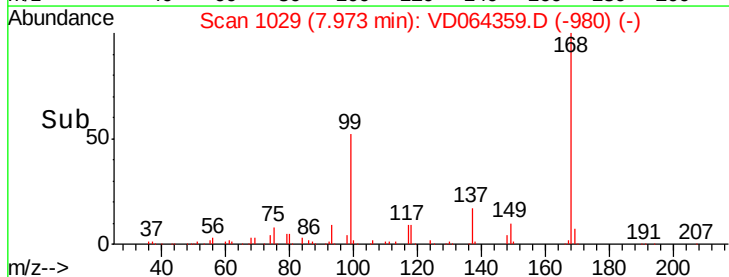
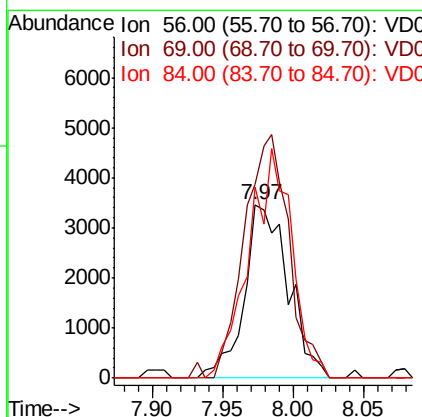
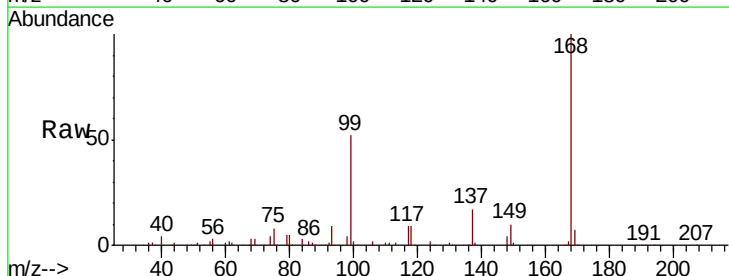
Instrument :
MSVOA_D
ClientSampled :

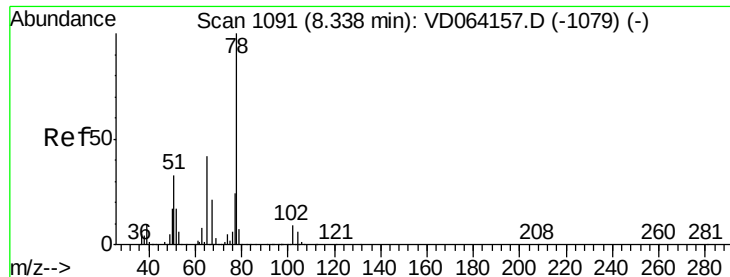
Tot Ion: 42 Resp: 964
Ion Ratio Lower Upper
42 100
72 19.0 33.4 50.2#
71 39.7 31.0 46.4



#31
Cyclohexane
Concen: 1.334 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

Tgt Ion: 56 Resp: 7570
Ion Ratio Lower Upper
56 100
69 111.6 28.2 42.4#
84 110.4 71.8 107.6#

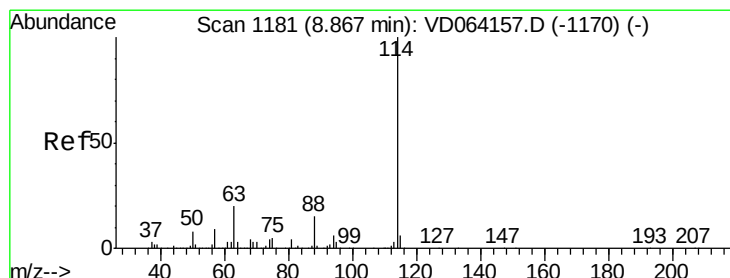
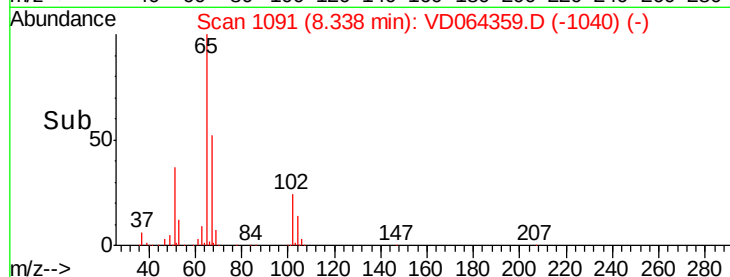
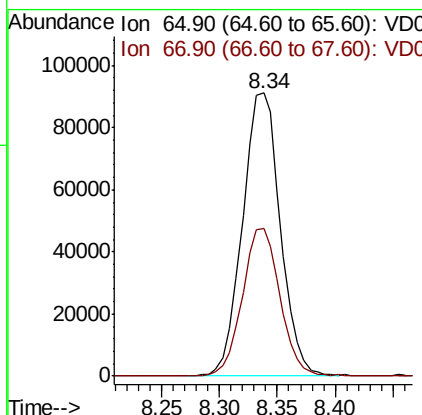
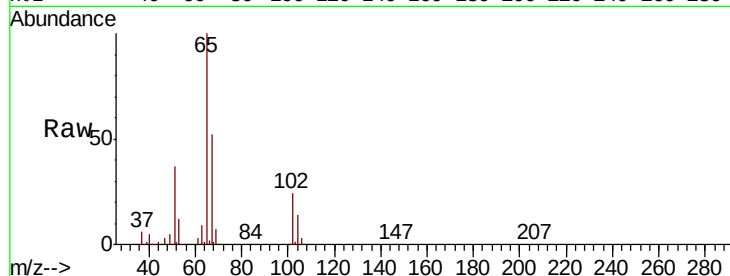




#33
 1,2-Dichloroethane-d4
 Concen: 71.838 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064359.D
 Acq: 25 Nov 2019 14:35

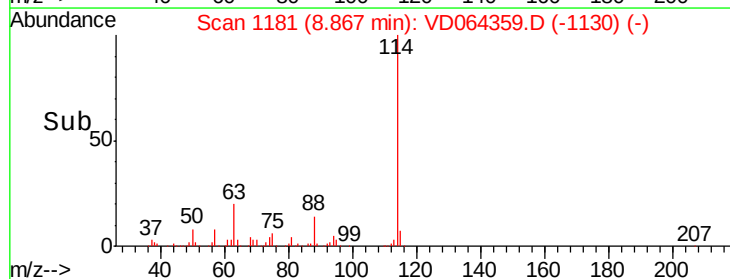
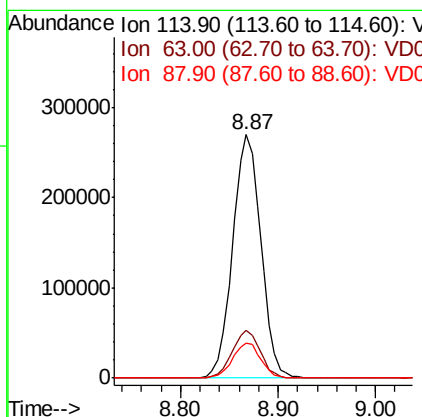
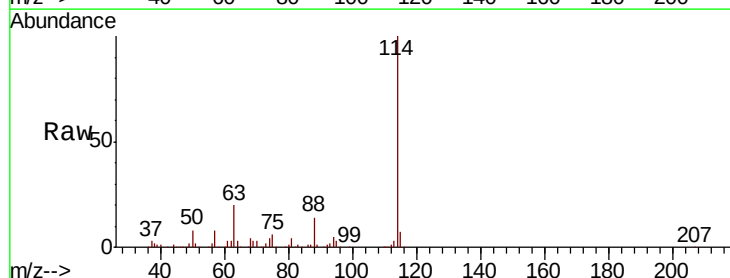
Instrument :
 MSVOA_D
 ClientSampleId :

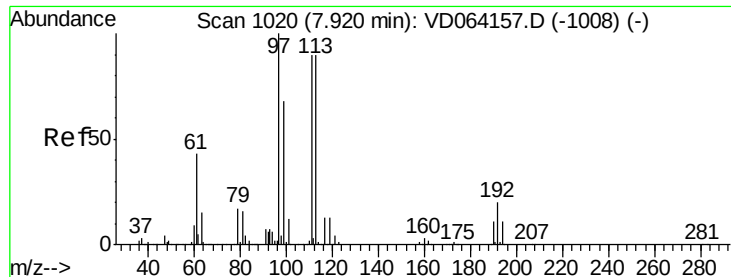
Tot Ion: 65 Resp: 207727
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064359.D
 Acq: 25 Nov 2019 14:35

Tgt Ion: 114 Resp: 542045
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.1 0.0 30.2

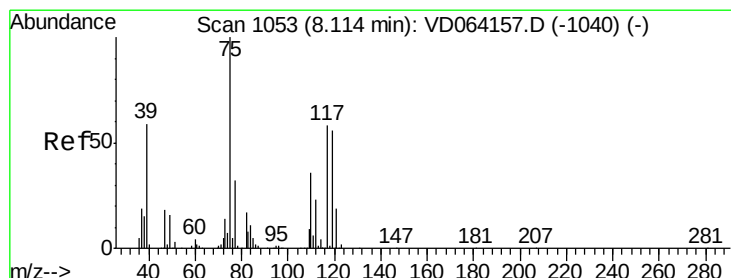
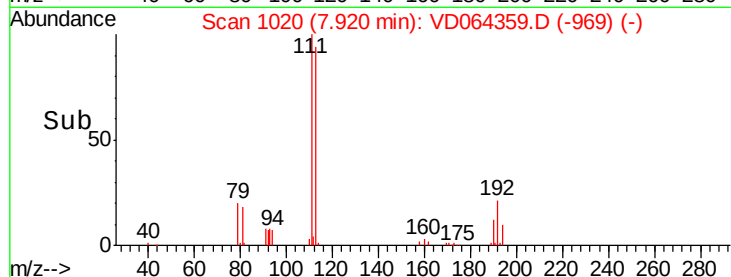
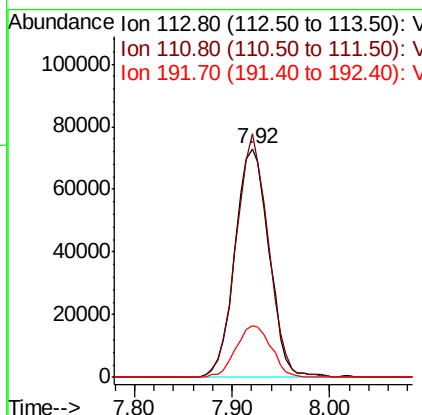
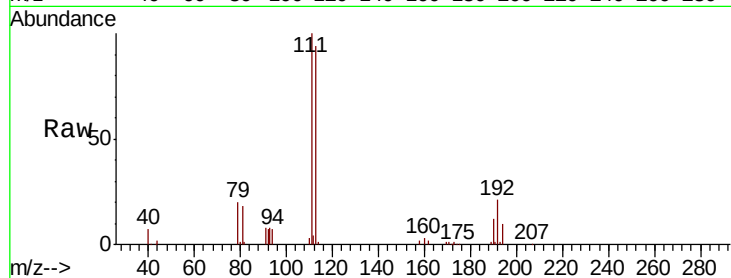




#35
 Dibromofluoromethane
 Concen: 56.816 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064359.D
 Acq: 25 Nov 2019 14:35

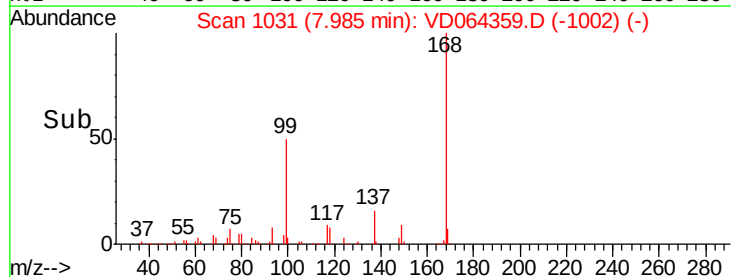
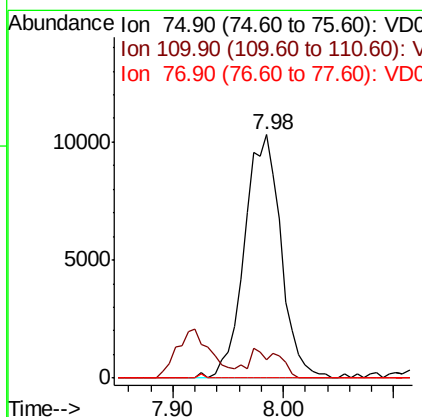
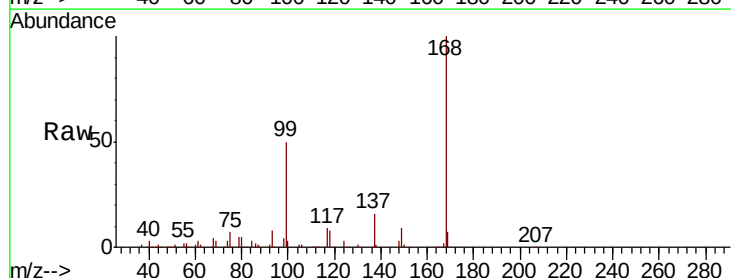
Instrument :
 MSVOA_D
 ClientSampled :

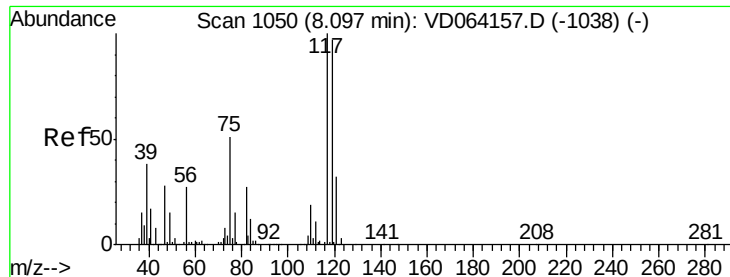
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	23.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.781 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064359.D
 Acq: 25 Nov 2019 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.3	54.9#
77	0.0	25.0	37.6#

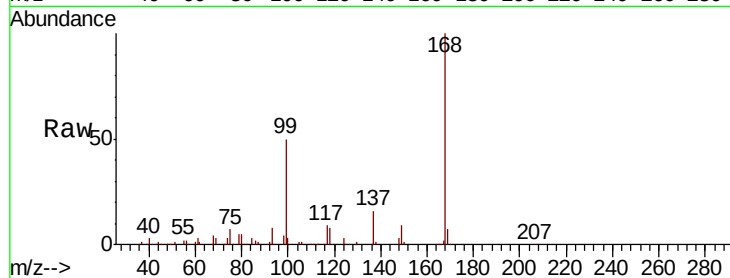




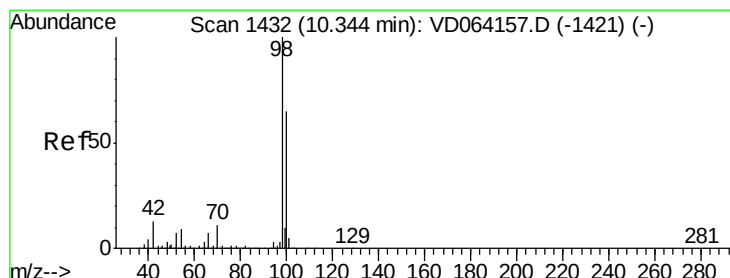
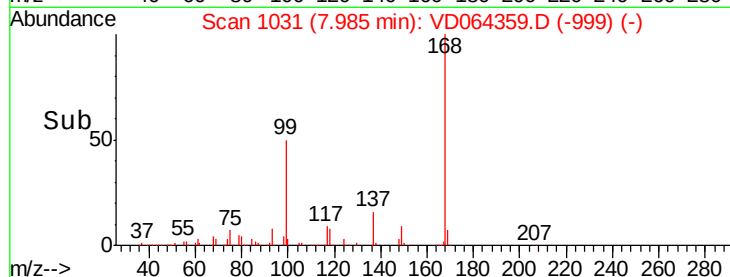
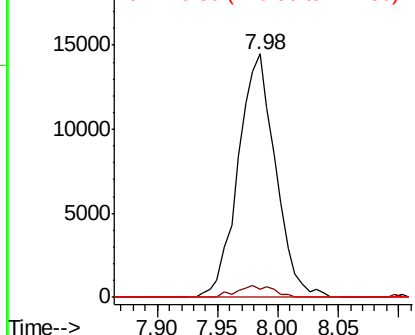
#38
Carbon Tetrachloride
Concen: 5.852 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 31325
Ion Ratio Lower Upper
117 100
119 3.2 77.2 115.8#
121 0.0 25.5 38.3#

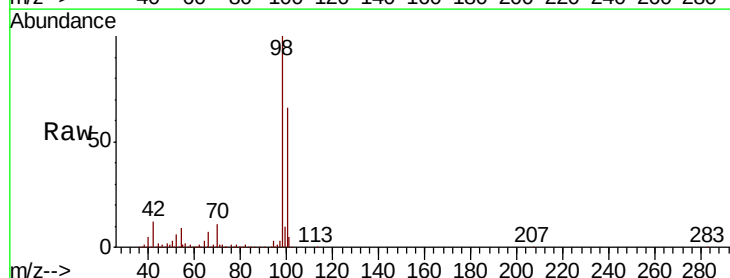


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

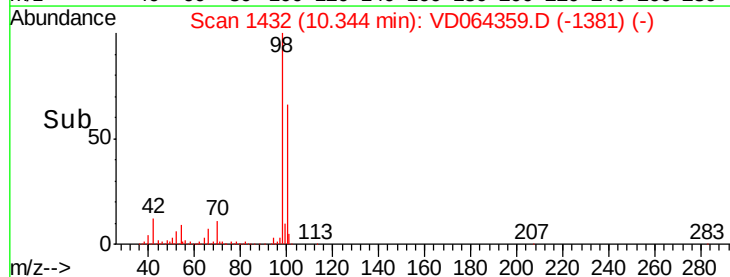
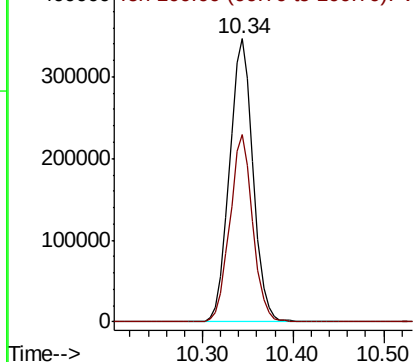


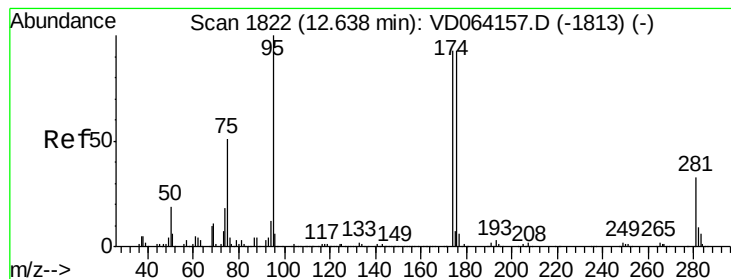
#50
Toluene-d8
Concen: 53.414 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064359.D
Acq: 25 Nov 2019 14:35

Tgt Ion: 98 Resp: 626949
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 53.531 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064359.D

Acq: 25 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

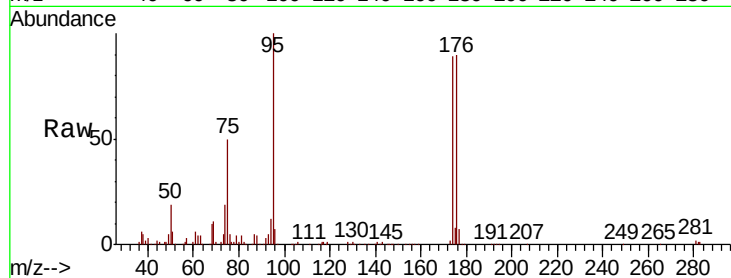
Tot Ion: 95 Resp: 217592

Ion Ratio Lower Upper

95 100

174 95.9 0.0 183.6

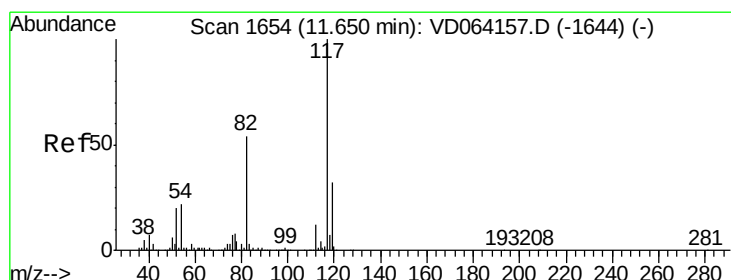
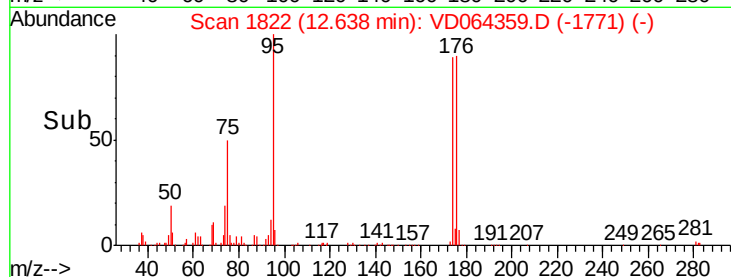
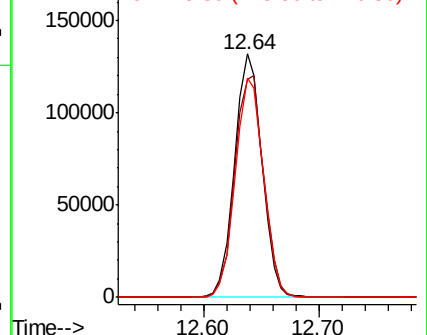
176 92.4 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064359.D

Acq: 25 Nov 2019 14:35

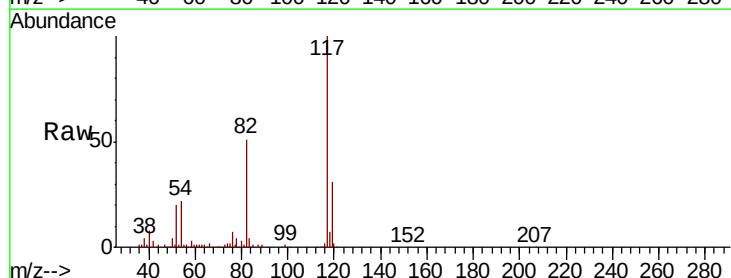
Tgt Ion: 117 Resp: 495768

Ion Ratio Lower Upper

117 100

82 51.3 42.8 64.2

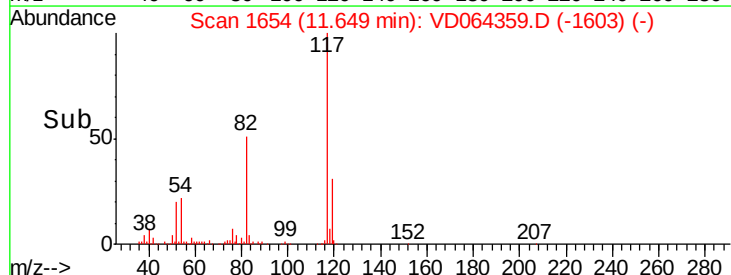
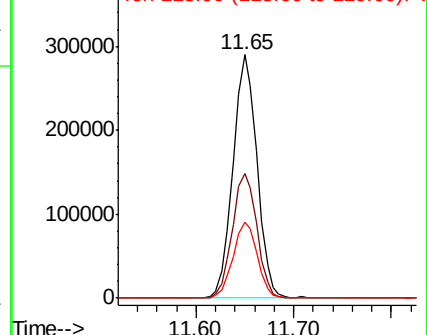
119 31.3 25.6 38.4

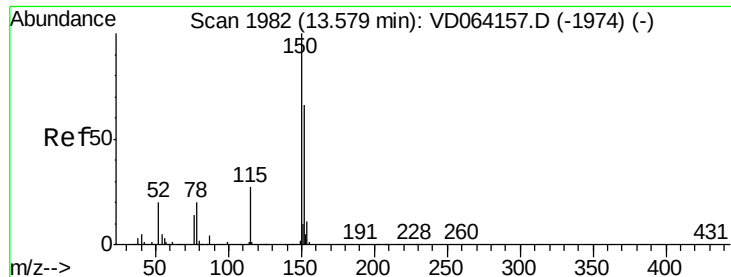


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064359.D

Acq: 25 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

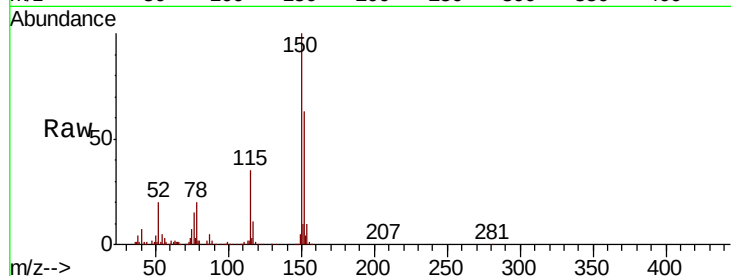
Tot Ion:152 Resp: 242671

Ion Ratio Lower Upper

152 100

115 54.8 27.4 82.2

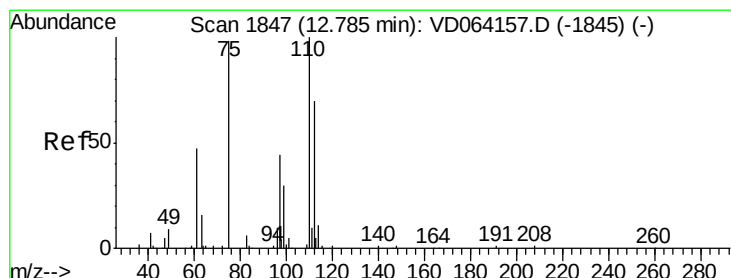
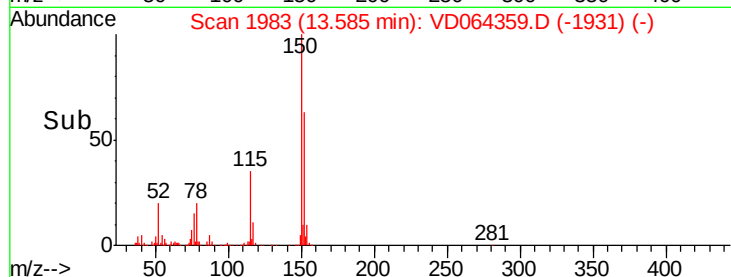
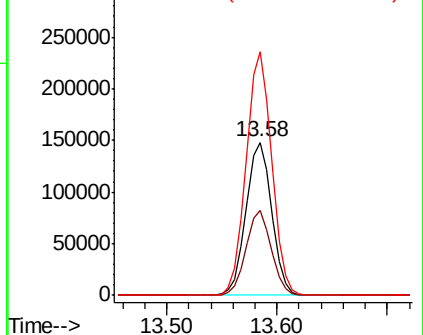
150 158.2 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 57.382 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064359.D

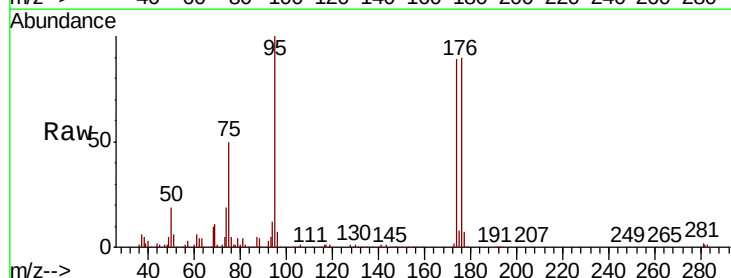
Acq: 25 Nov 2019 14:35

Tgt Ion: 75 Resp: 112162

Ion Ratio Lower Upper

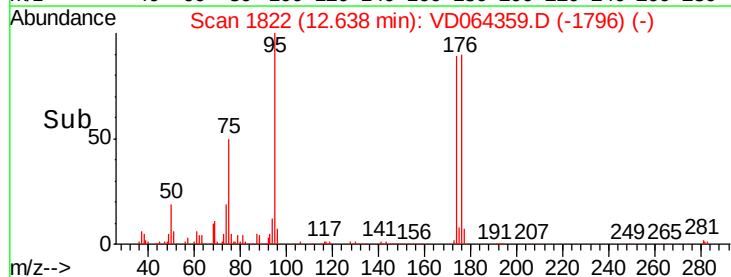
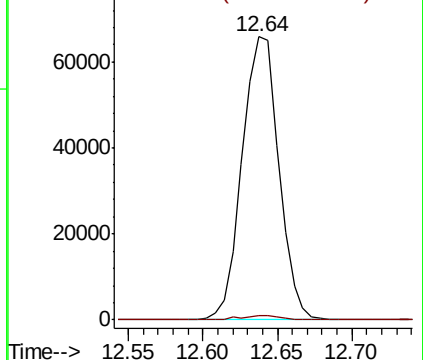
75 100

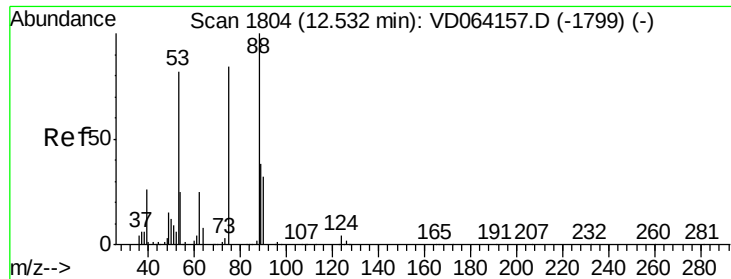
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.984 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064359.D

Acq: 25 Nov 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

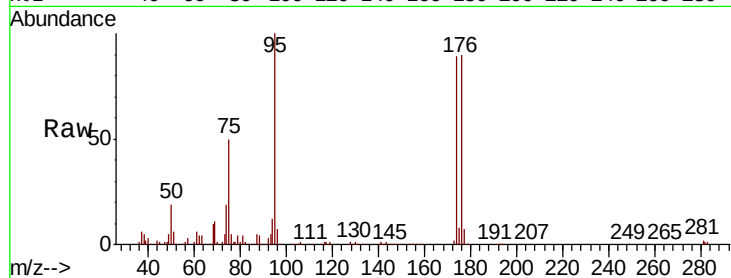
Tot Ion: 75 Resp: 112162

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

