

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064607.D
 Acq On : 26 Dec 2019 18:59
 Operator : VA/SY
 Sample : K6437-06
 Misc : 7.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:41:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	498718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	786299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	726480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	349381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	221876	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	7.92	113	243779	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.34	98	941024	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.64	95	306407	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

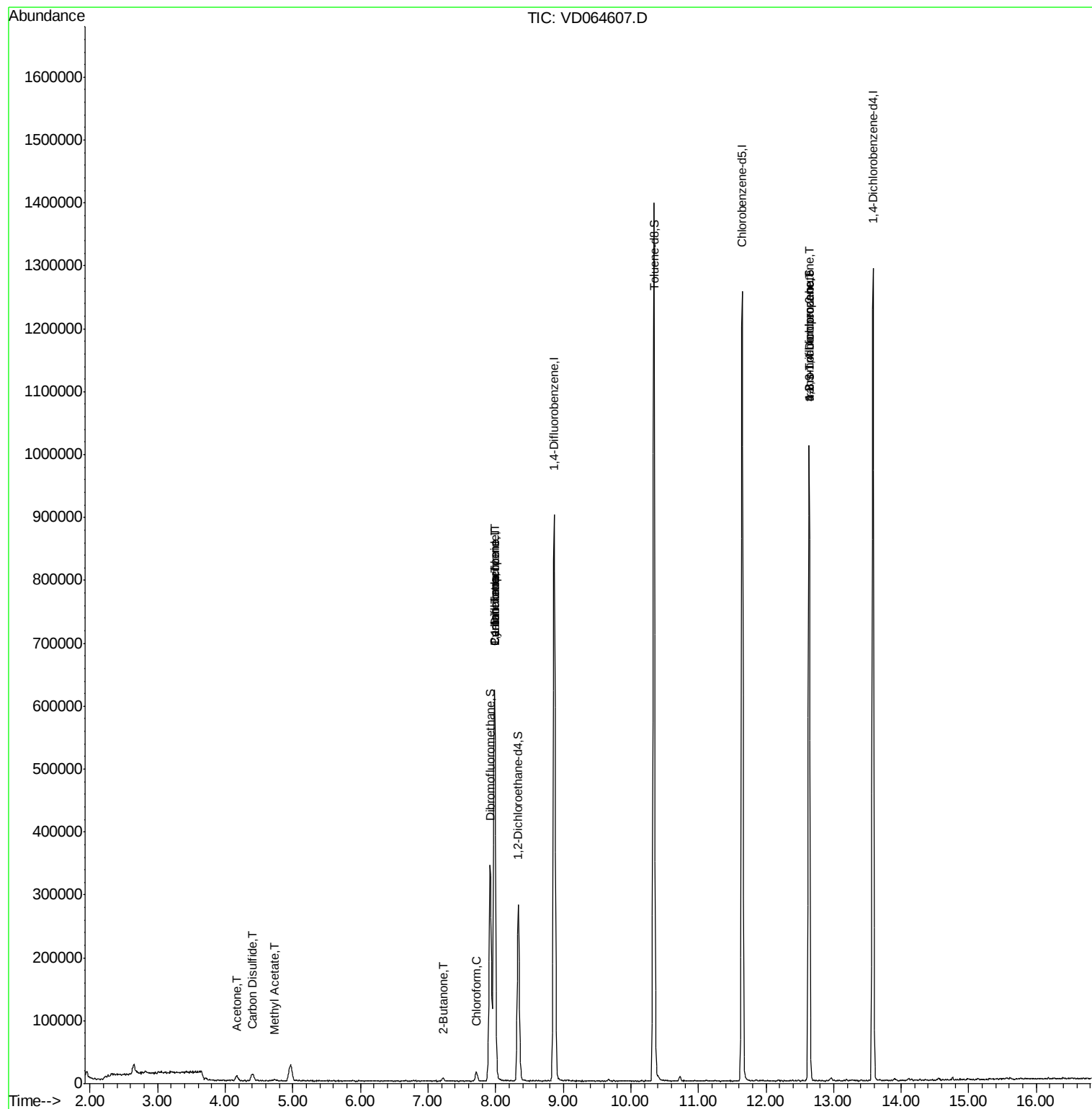
					Qvalue	
16) Acetone	4.17	43	13125	16.698	ug/l	90
17) Carbon Disulfide	4.40	76	24277	1.711	ug/l #	93
18) Methyl Acetate	4.73	43	3692	1.491	ug/l #	82
20) Methylene Chloride	4.97	84	21399	Below Cal		91
25) 2-Butanone	7.23	43	2380	1.969	ug/l	95
30) Chloroform	7.71	83	13277	1.545	ug/l	88
31) Cyclohexane	7.98	56	10355	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	37298	4.928	ug/l #	50
38) Carbon Tetrachloride	7.98	117	45708	5.664	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	162640	58.950	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162640	123.293	ug/l #	10

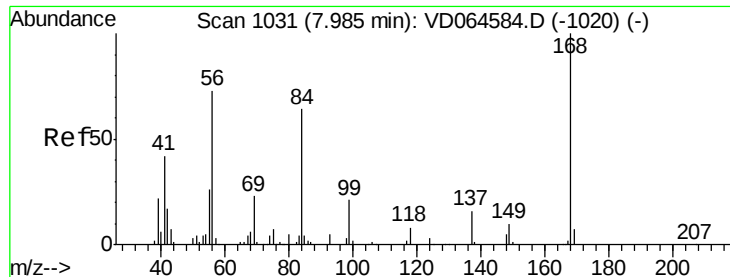
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
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ClientSampleId :

Quant Time: Dec 27 01:41:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

Instrument :

MSVOA_D

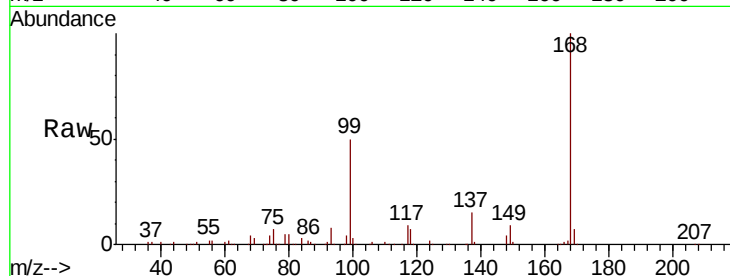
ClientSampleId :

Tot Ion:168 Resp: 498718

Ion Ratio Lower Upper

168 100

99 49.5 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

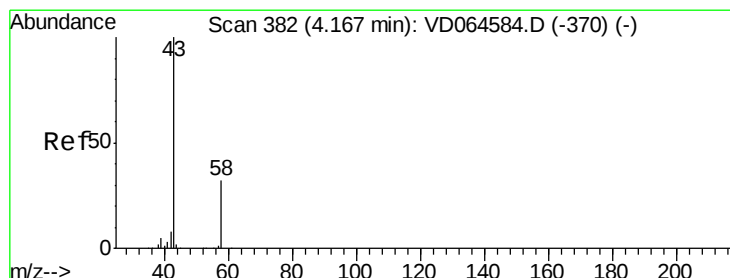
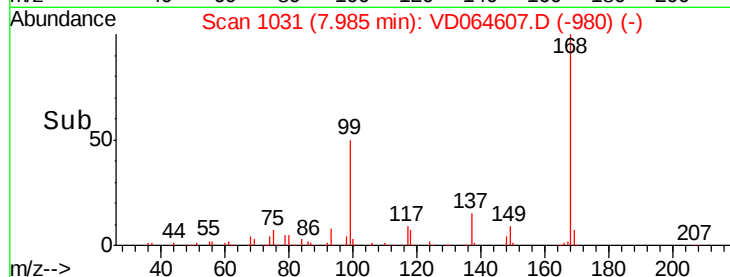
0

7.90

8.00

8.10

Time-->



#16

Acetone

Concen: 16.698 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064607.D

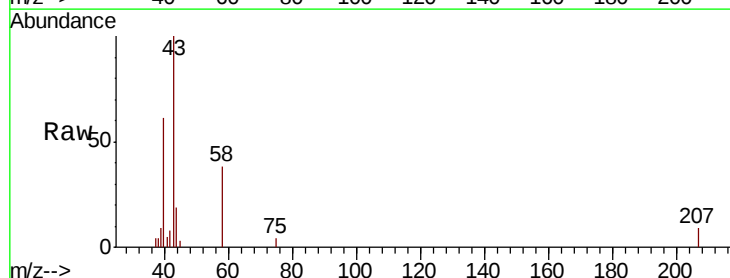
Acq: 26 Dec 2019 18:59

Tgt Ion: 43 Resp: 13125

Ion Ratio Lower Upper

43 100

58 37.9 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

5000

4000

3000

2000

1000

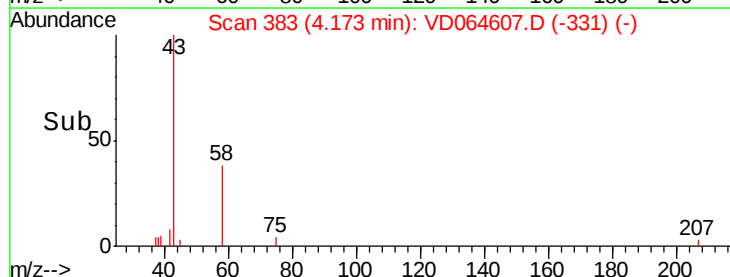
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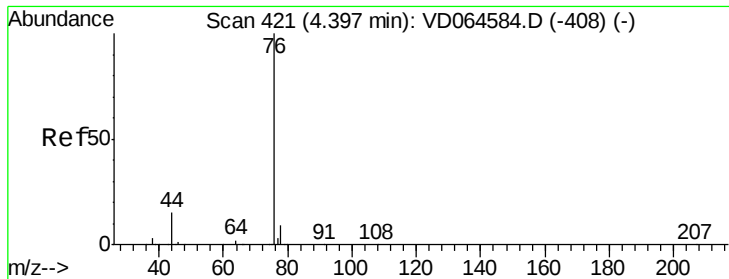
4.10

4.20

4.30

Time-->

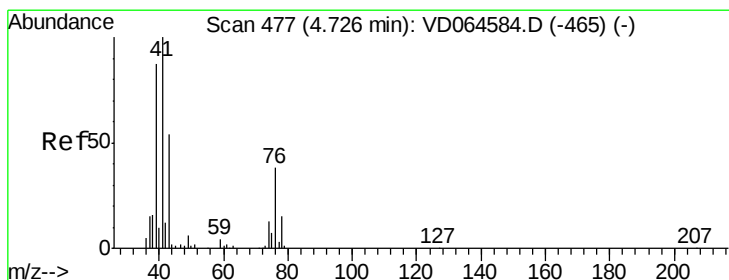
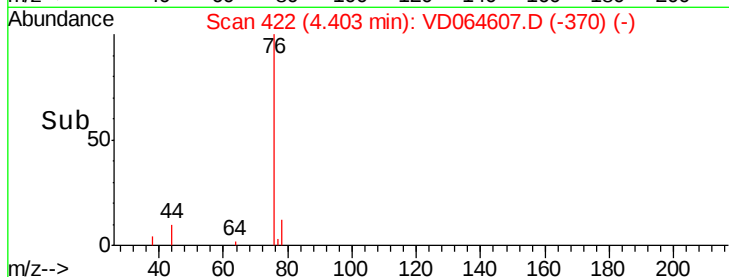
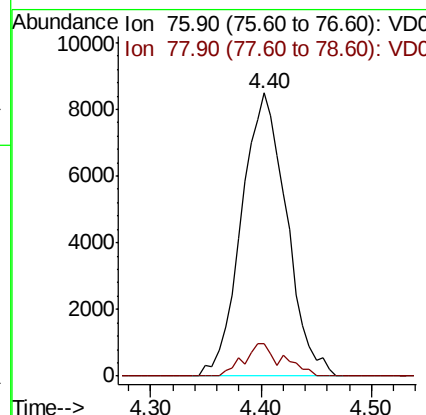
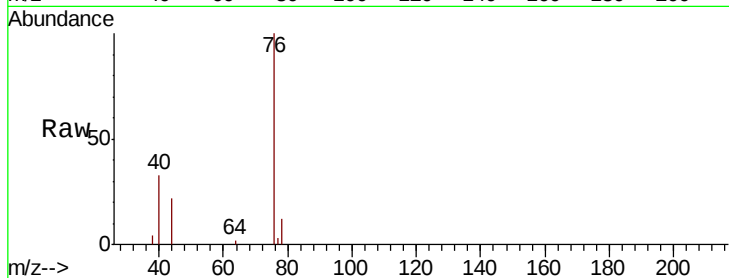




#17
Carbon Disulfide
Concen: 1.711 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064607.D
Acq: 26 Dec 2019 18:59

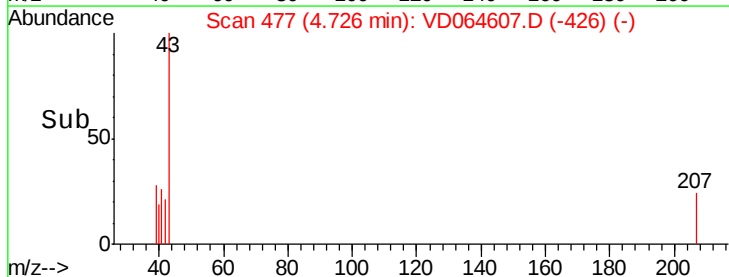
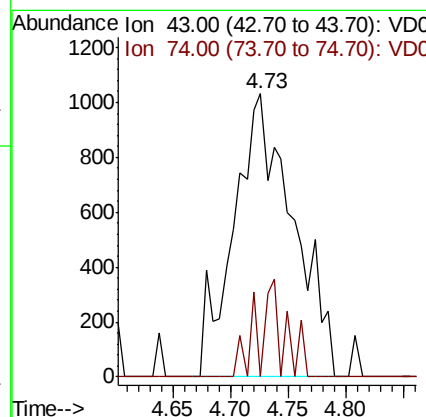
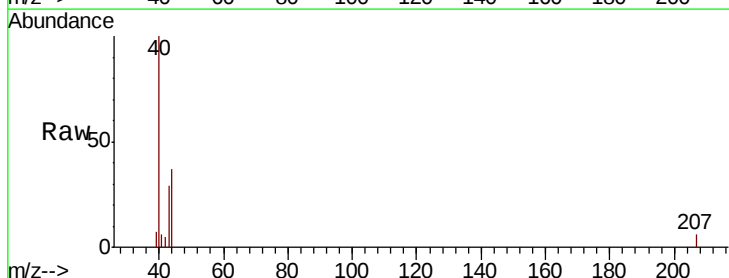
Instrument :
MSVOA_D
ClientSampleId :

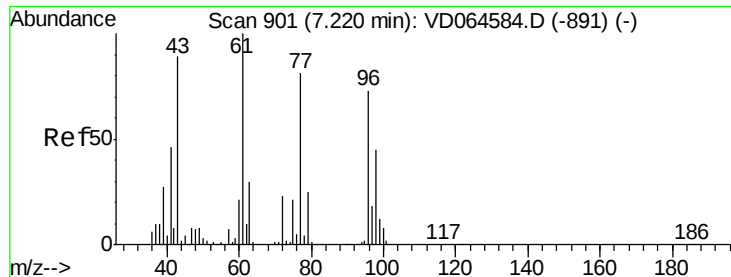
Tot Ion: 76 Resp: 24277
Ion Ratio Lower Upper
76 100
78 11.6 7.3 10.9#



#18
Methyl Acetate
Concen: 1.491 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064607.D
Acq: 26 Dec 2019 18:59

Tgt Ion: 43 Resp: 3692
Ion Ratio Lower Upper
43 100
74 15.1 19.2 28.8#





#25

2-Butanone

Concen: 1.969 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

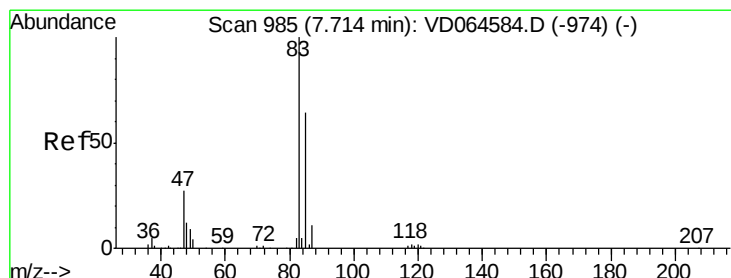
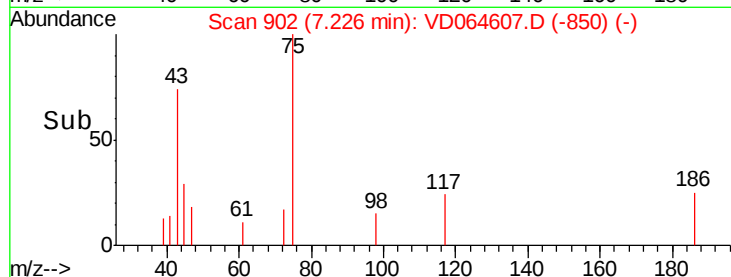
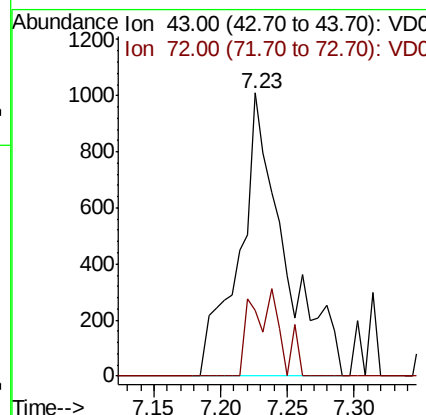
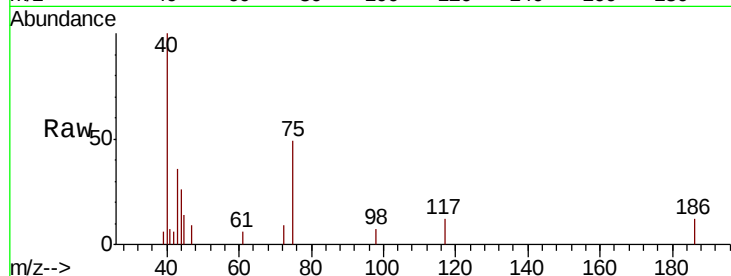
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2380

Ion Ratio Lower Upper

43 100

72 23.5 20.7 31.1



#30

Chloroform

Concen: 1.545 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064607.D

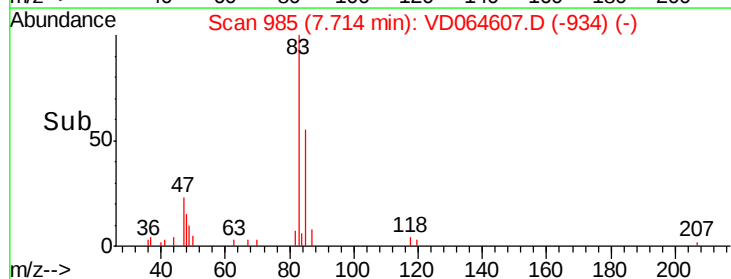
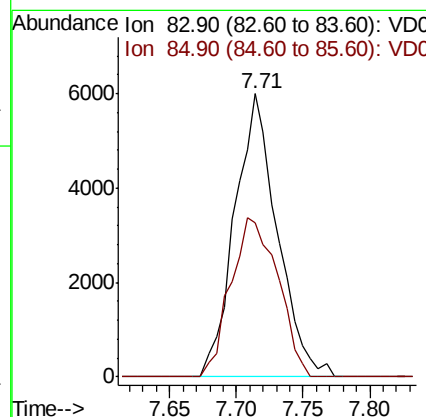
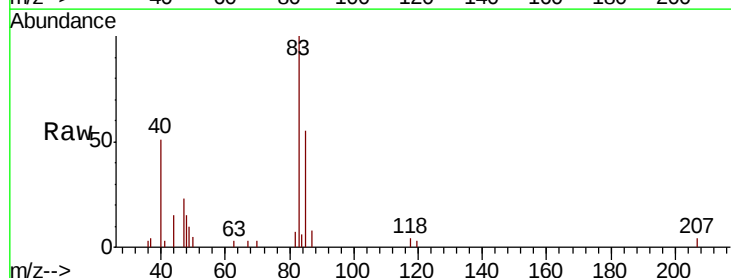
Acq: 26 Dec 2019 18:59

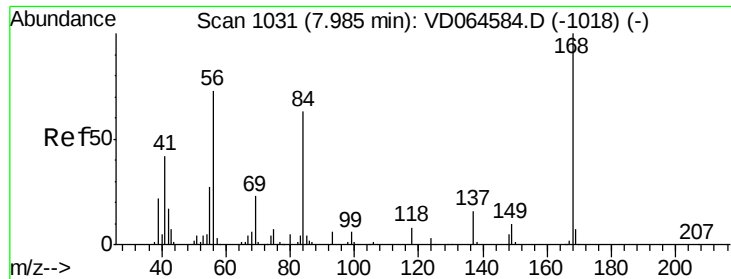
Tgt Ion: 83 Resp: 13277

Ion Ratio Lower Upper

83 100

85 54.6 51.1 76.7

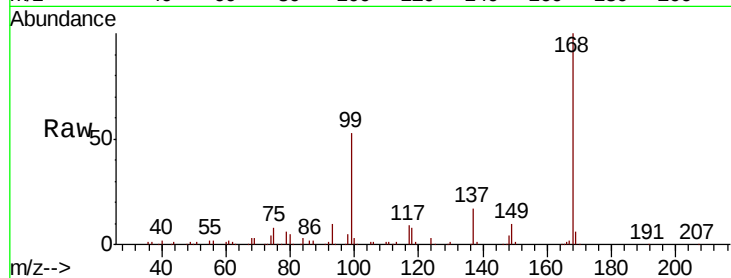




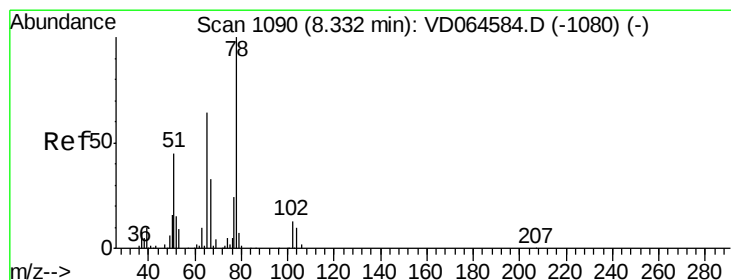
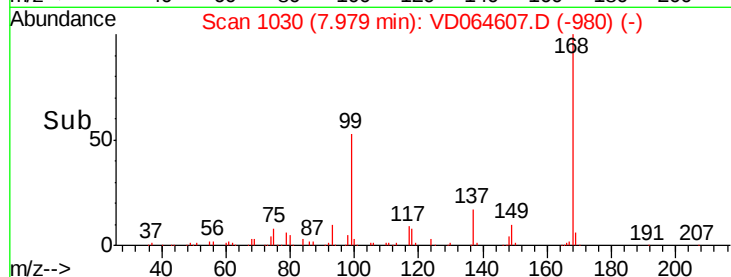
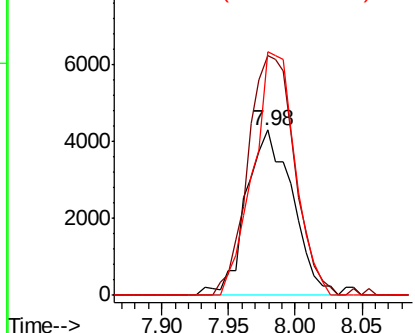
#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064607.D
Acq: 26 Dec 2019 18:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 10355
Ion Ratio Lower Upper
56 100
69 145.2 24.7 37.1#
84 147.4 69.4 104.2#

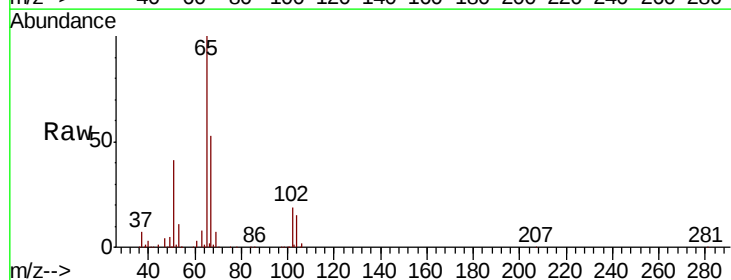


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

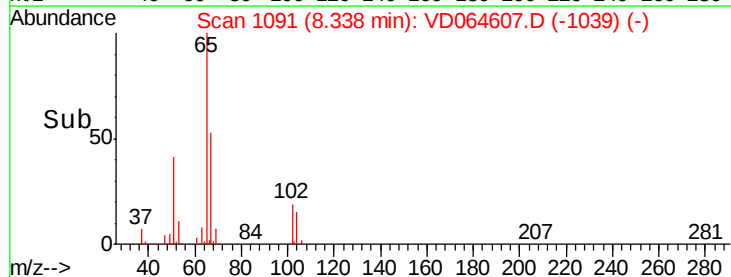
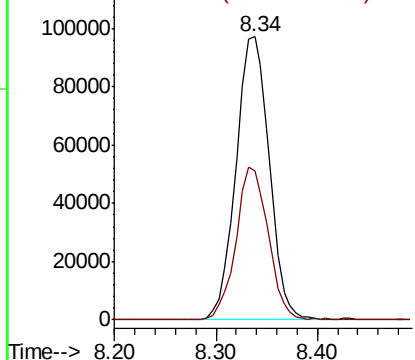


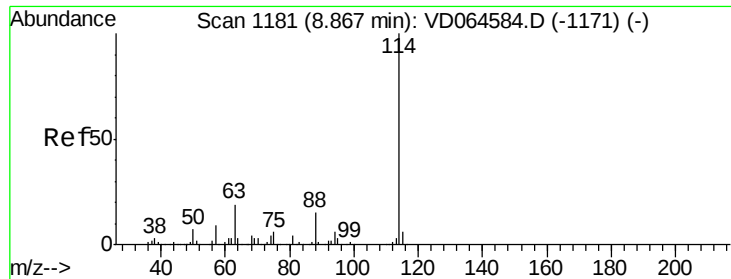
#33
1,2-Dichloroethane-d4
Concen: 50.453 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064607.D
Acq: 26 Dec 2019 18:59

Tgt Ion: 65 Resp: 221876
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

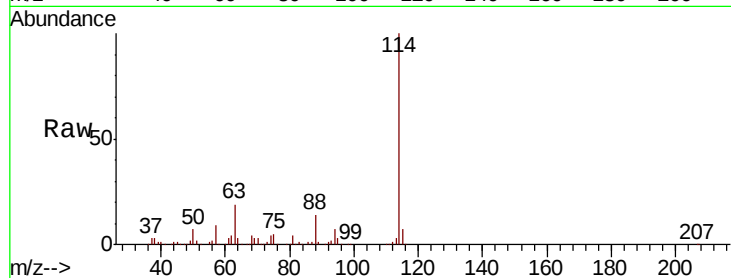




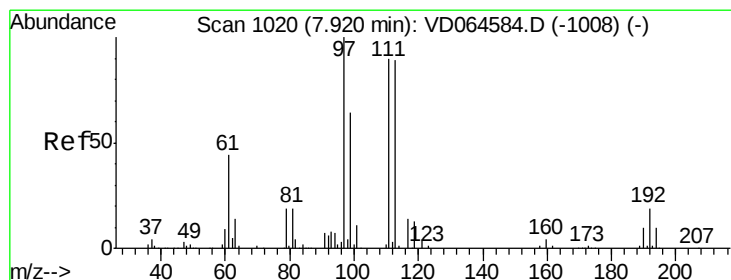
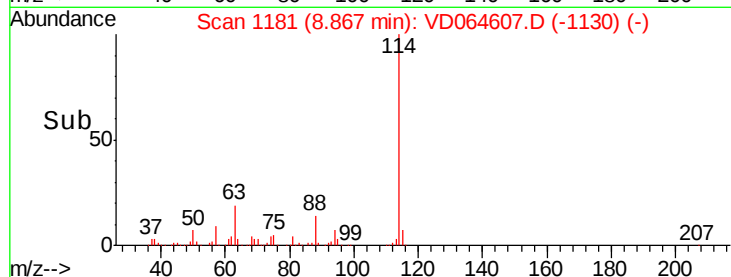
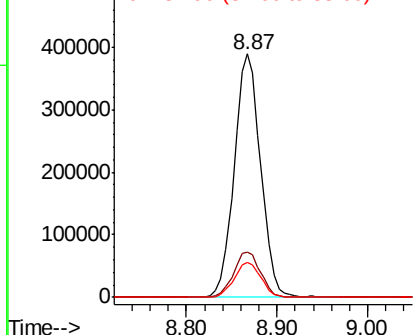
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064607.D
 Acq: 26 Dec 2019 18:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	38.0
88	14.3	0.0	29.2

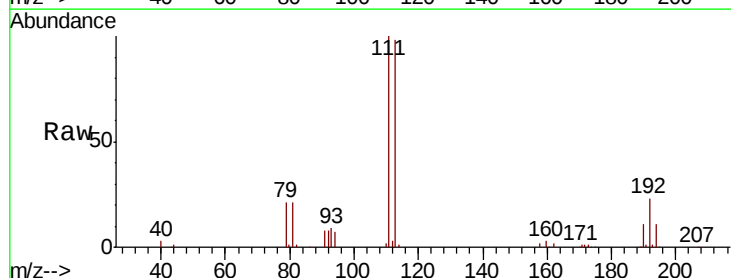


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

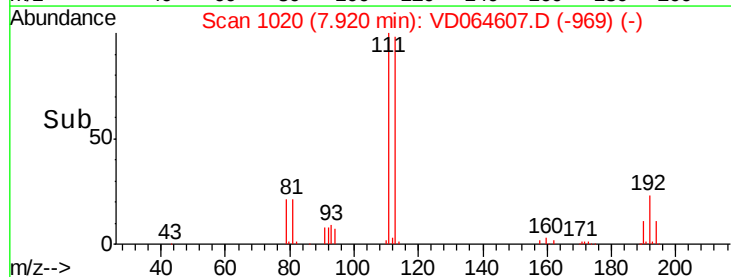
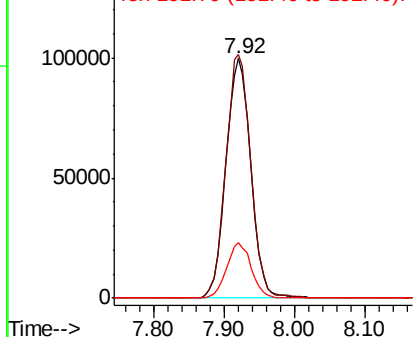


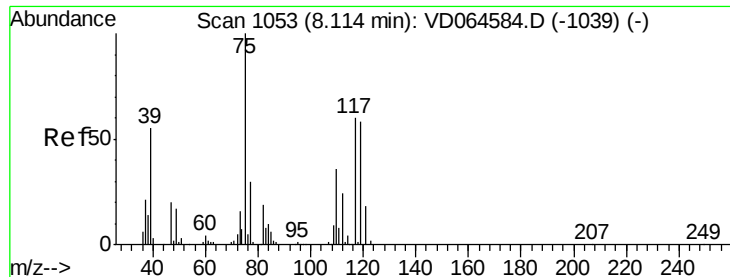
#35
 Dibromofluoromethane
 Concen: 50.534 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064607.D
 Acq: 26 Dec 2019 18:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.6	121.0
192	22.7	17.9	26.9



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.928 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

Instrument :
MSVOA_D
ClientSampleId :

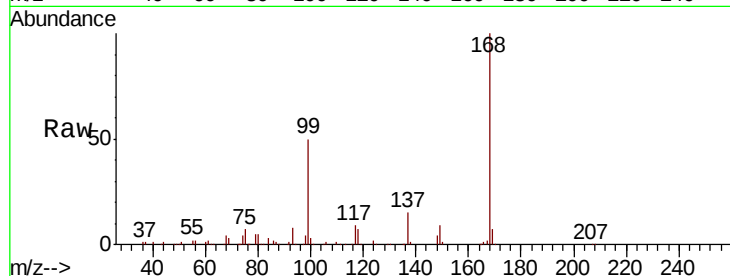
Tot Ion: 75 Resp: 37298

Ion Ratio Lower Upper

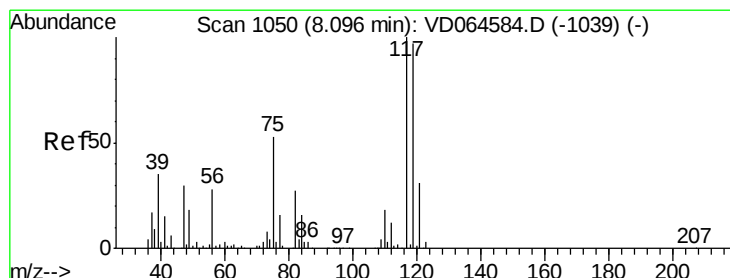
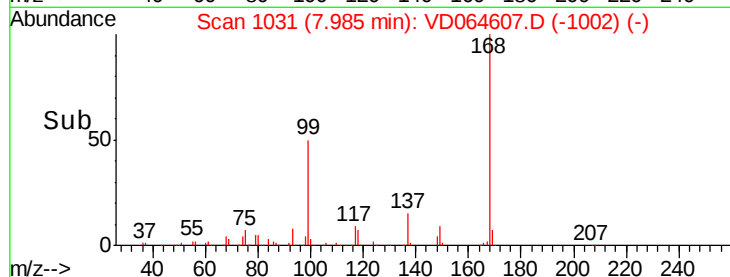
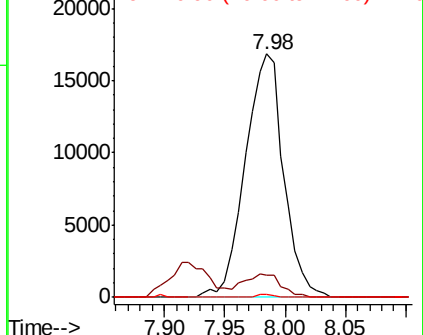
75 100

110 9.4 18.1 54.1#

77 0.5 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VD064607.D (-999) (-)
Ion 109.90 (109.60 to 110.60): VD064607.D (-999) (-)
Ion 76.90 (76.60 to 77.60): VD064607.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 5.664 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

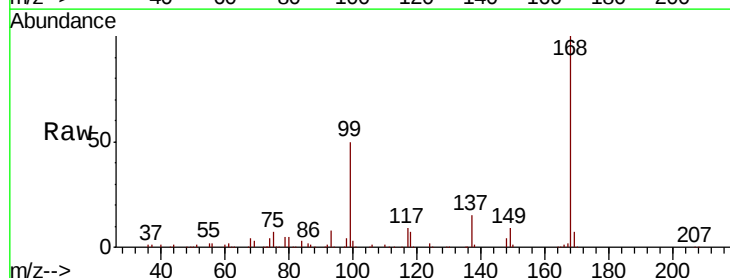
Tgt Ion: 117 Resp: 45708

Ion Ratio Lower Upper

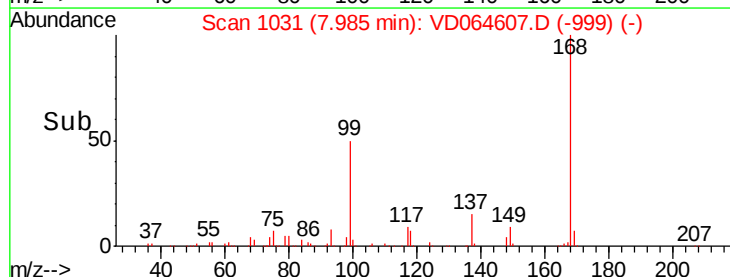
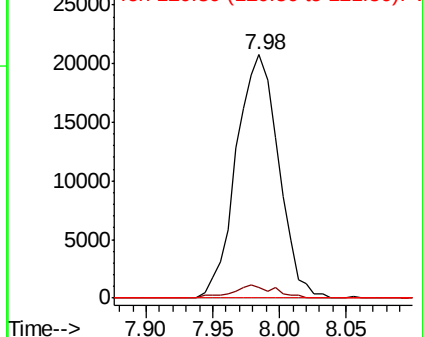
117 100

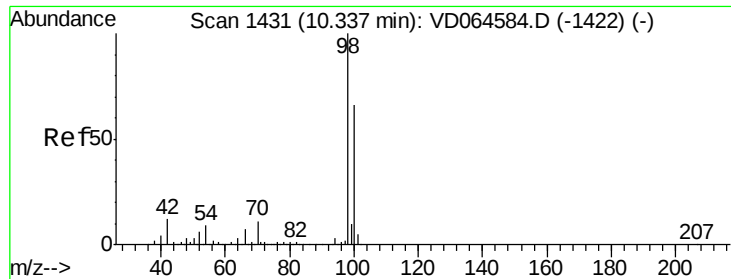
119 4.4 77.3 115.9#

121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): VD064607.D (-999) (-)
Ion 118.80 (118.50 to 119.50): VD064607.D (-999) (-)
Ion 120.80 (120.50 to 121.50): VD064607.D (-999) (-)





#50

Toluene-d8

Concen: 50.933 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

Instrument :

MSVOA_D

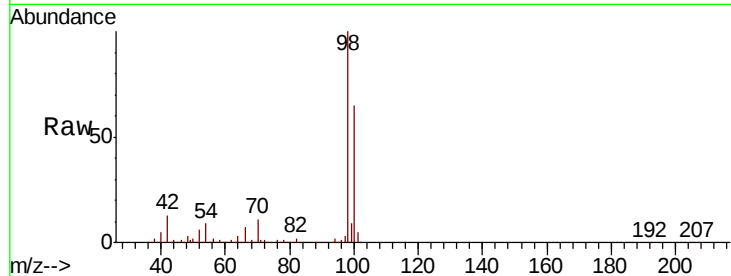
ClientSampleId :

Tot Ion: 98 Resp: 941024

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VD064584.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD064584.D (-1422) (-)

10.34

600000

500000

400000

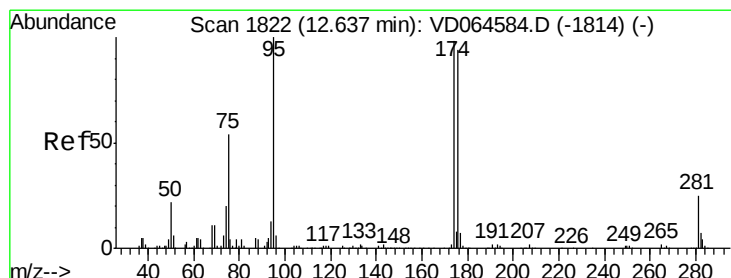
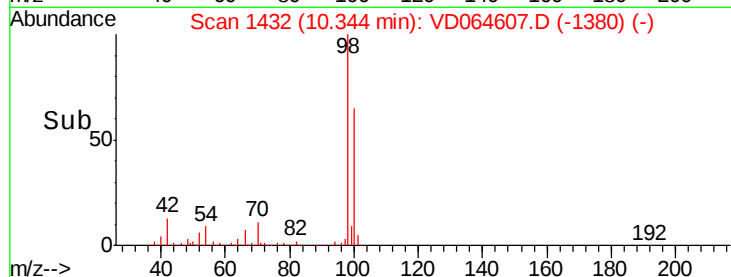
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 52.447 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

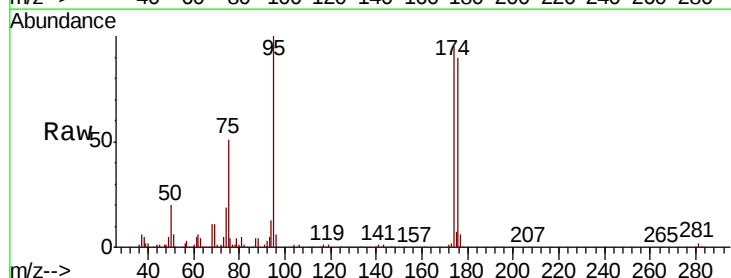
Tgt Ion: 95 Resp: 306407

Ion Ratio Lower Upper

95 100

174 93.8 0.0 193.2

176 90.7 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VD064584.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD064584.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD064584.D (-1814) (-)

250000

200000

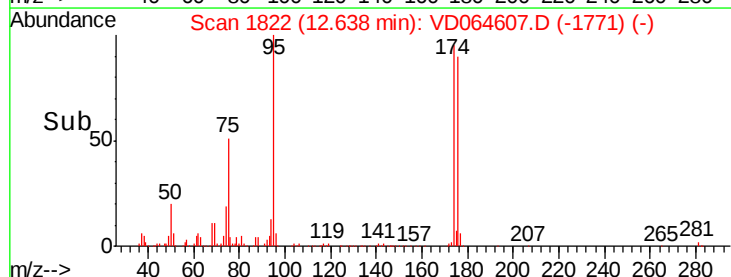
150000

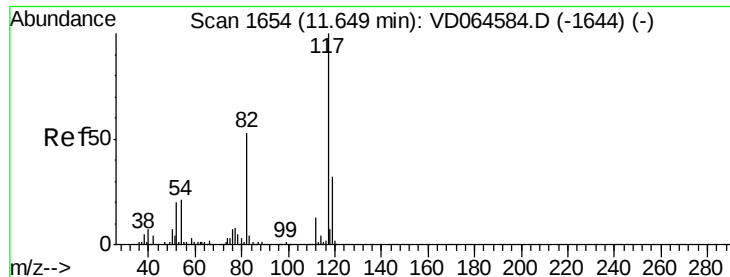
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

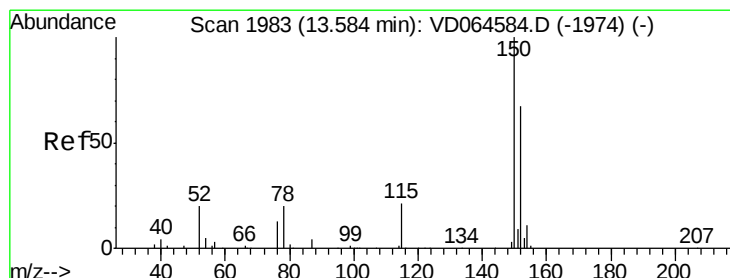
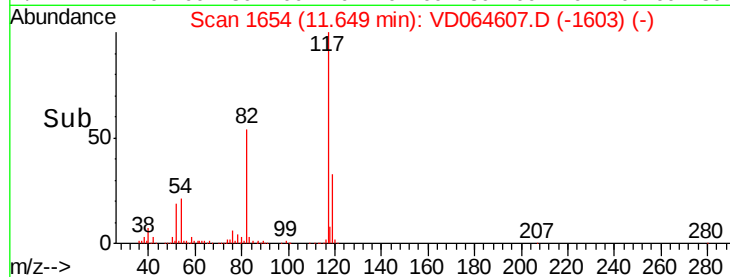
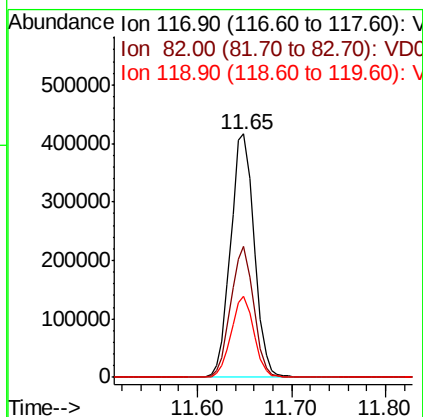
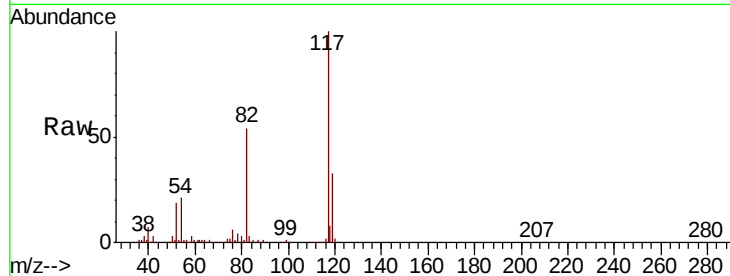




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064607.D
Acq: 26 Dec 2019 18:59

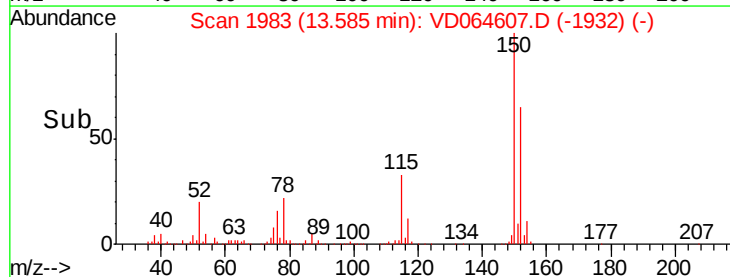
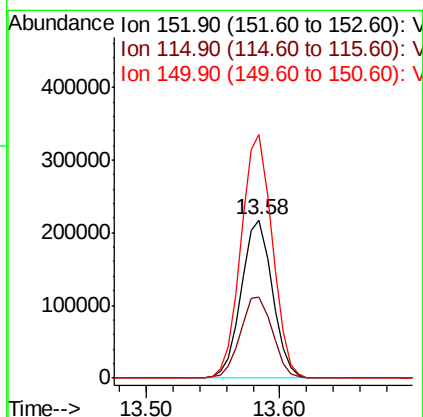
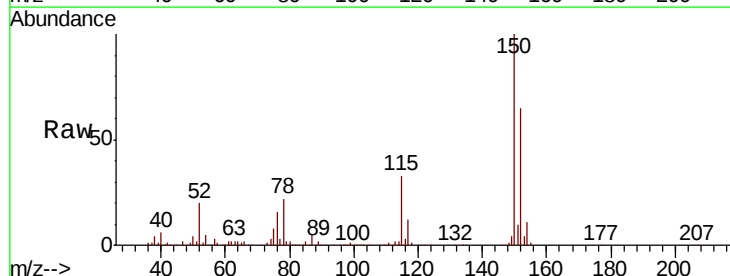
Instrument :
MSVOA_D
ClientSampled :

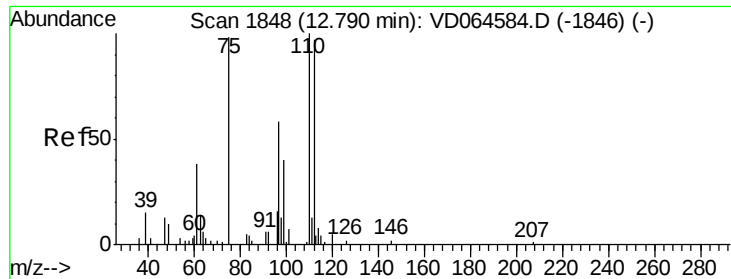
Tot Ion:117 Resp: 726480
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 33.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064607.D
Acq: 26 Dec 2019 18:59

Tgt Ion:152 Resp: 349381
Ion Ratio Lower Upper
152 100
115 53.2 27.8 83.4
150 155.2 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 58.950 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

Instrument :

MSVOA_D

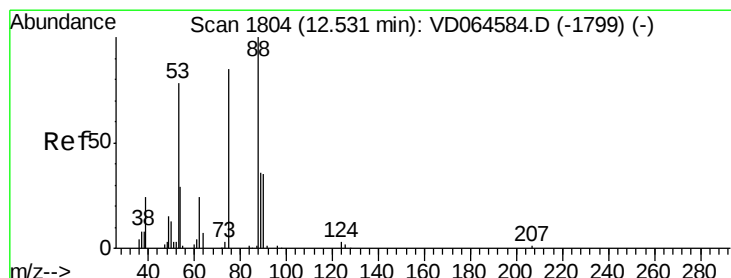
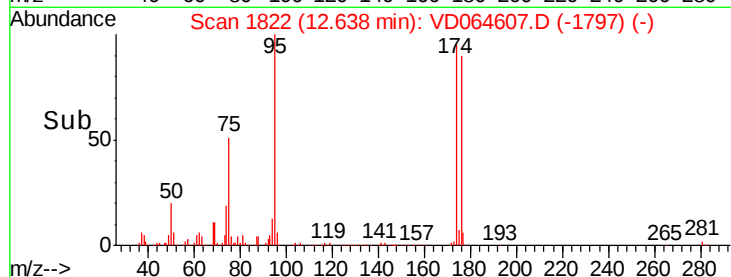
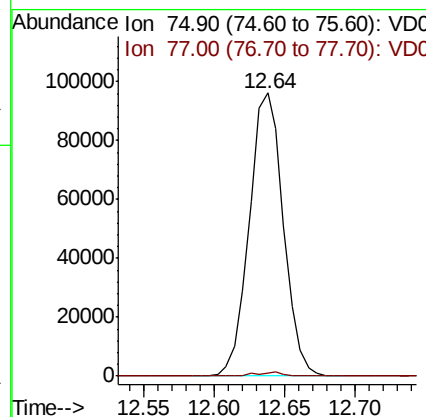
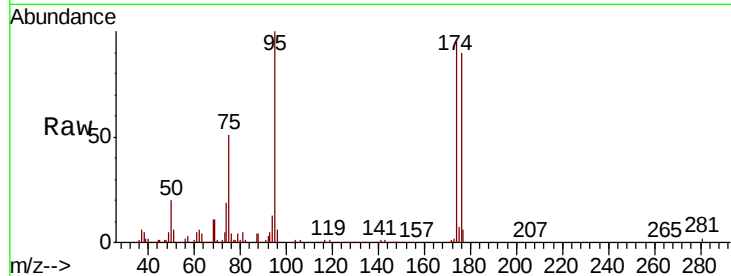
ClientSampled :

Tot Ion: 75 Resp: 162640

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.293 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064607.D

Acq: 26 Dec 2019 18:59

Tgt Ion: 75 Resp: 162640

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#

