

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064597.D
 Acq On : 26 Dec 2019 14:12
 Operator : VA/SY
 Sample : K6436-01
 Misc : 5.32G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 01:40:07 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	487445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	788380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	808996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	406902	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	207059	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
35) Dibromofluoromethane	7.92	113	213029	44.04	ug/l	0.00
Spiked Amount			Recovery	=	88.08%	
50) Toluene-d8	10.34	98	961130	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.64	95	364275	62.19	ug/l	0.00
Spiked Amount			Recovery	=	124.38%	

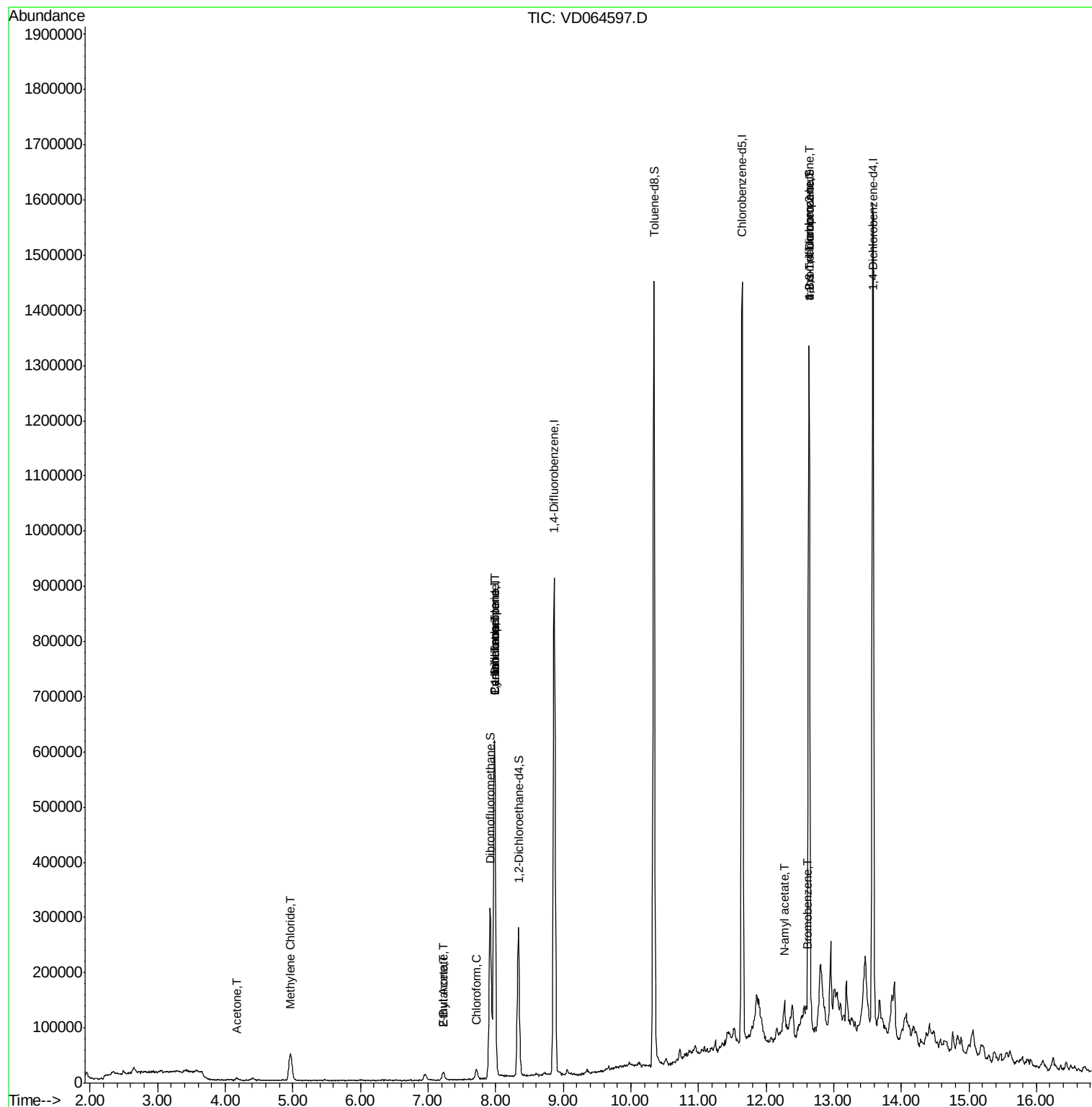
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	6452	10.466	ug/l #	72
20) Methylene Chloride	4.97	84	38545	4.302	ug/l	93
25) 2-Butanone	7.23	43	22205	18.794	ug/l	97
30) Chloroform	7.71	83	17041	2.029	ug/l	97
31) Cyclohexane	7.98	56	11519	1.437	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	35247	4.645	ug/l #	51
37) Ethyl Acetate	7.23	43	22205	7.449	ug/l #	71
38) Carbon Tetrachloride	7.98	117	45281	5.596	ug/l #	14
74) N-amyl acetate	12.27	43	12647	2.035	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	190311	59.229	ug/l #	100
77) Bromobenzene	12.60	156	14203	1.988	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.64	75	190311	123.875	ug/l #	10

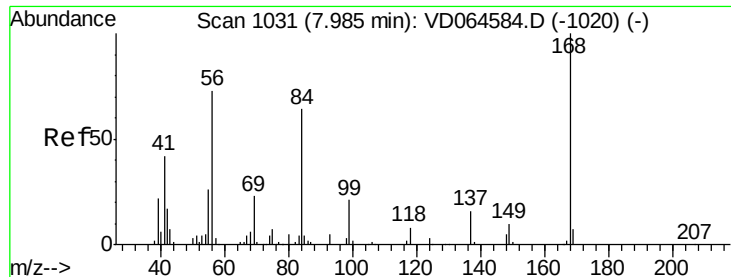
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122619\
Data File : VD064597.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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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: VD064597.D

Acq: 26 Dec 2019 14:12

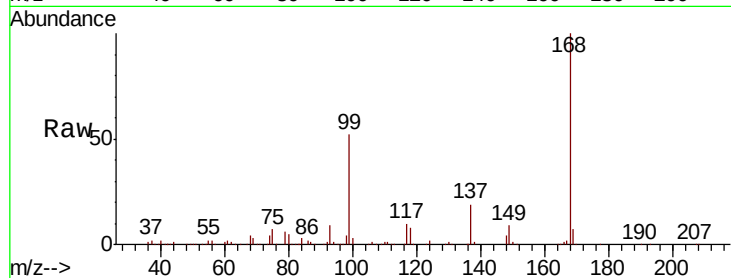
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 487445

Ion Ratio Lower Upper

168 100

99 51.9 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

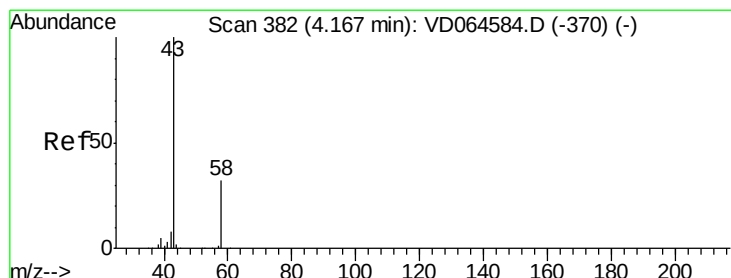
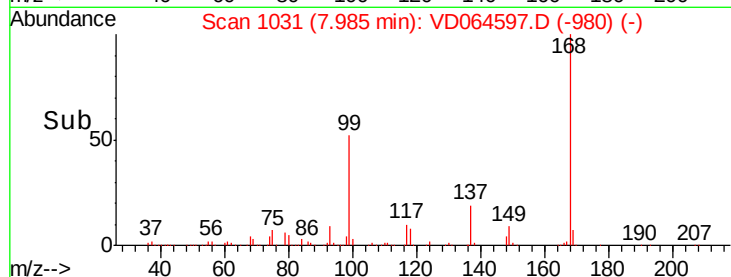
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 10.466 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064597.D

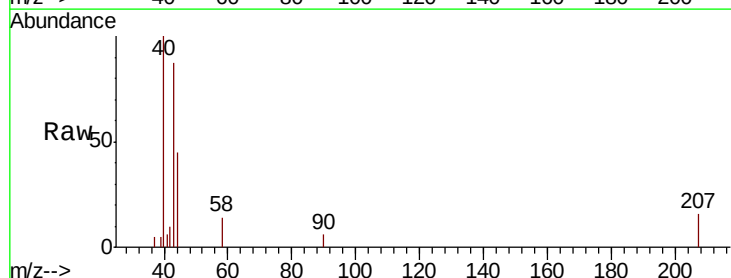
Acq: 26 Dec 2019 14:12

Tgt Ion: 43 Resp: 6452

Ion Ratio Lower Upper

43 100

58 16.6 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

3000

2500

2000

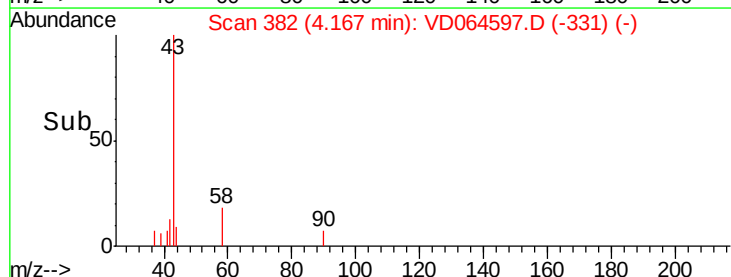
1500

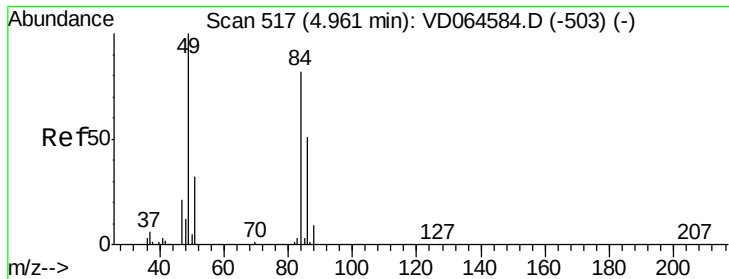
1000

500

0

Time-->

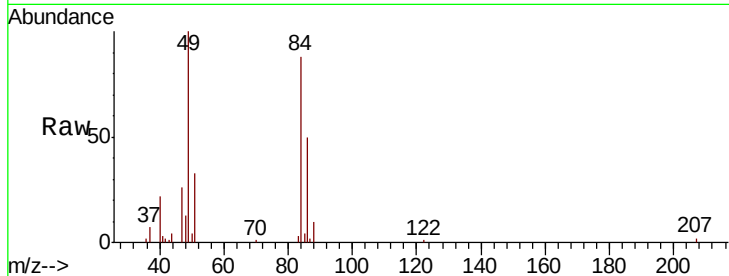




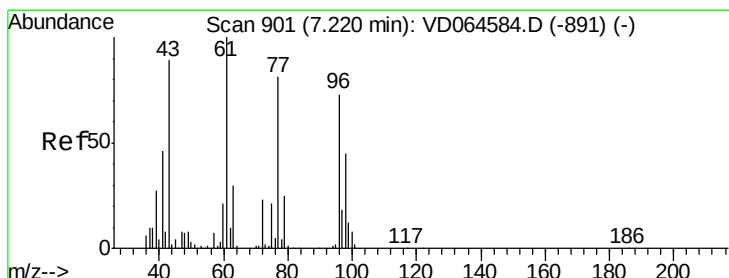
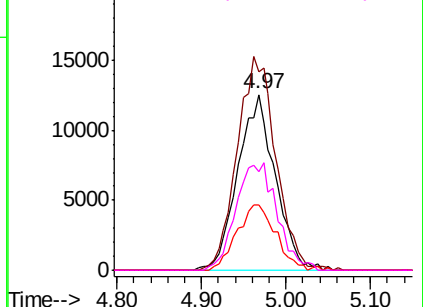
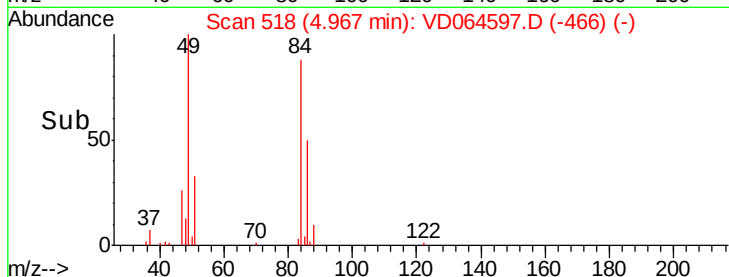
#20
Methylene Chloride
Concen: 4.302 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 38545
Ion Ratio Lower Upper
84 100
49 113.0 97.2 145.8
51 37.5 31.4 47.0
86 56.2 49.3 73.9

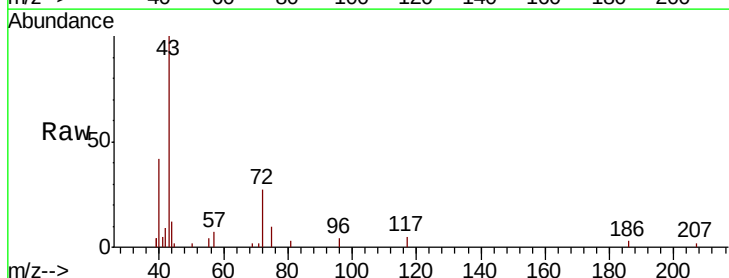


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

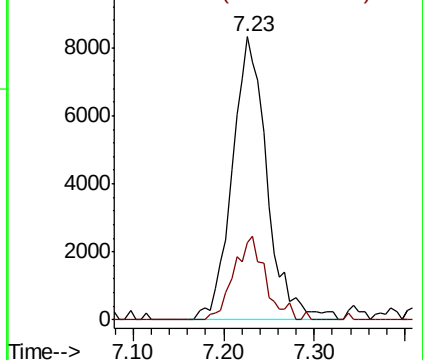
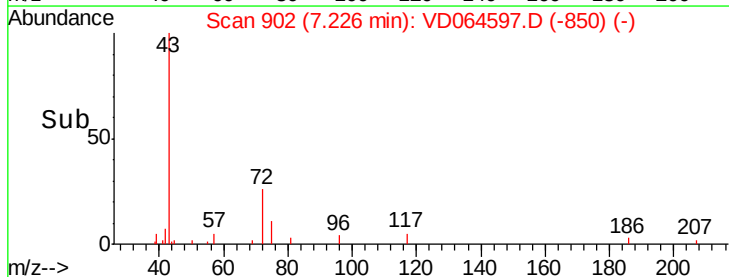


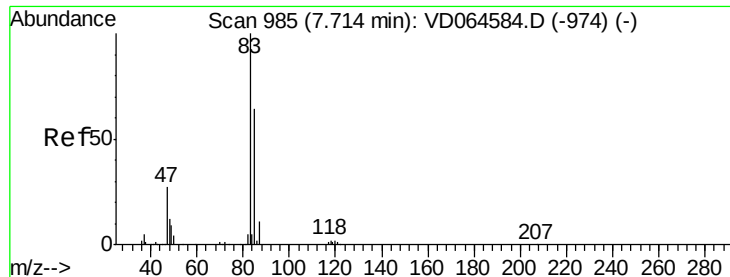
#25
2-Butanone
Concen: 18.794 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

Tgt Ion: 43 Resp: 22205
Ion Ratio Lower Upper
43 100
72 27.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

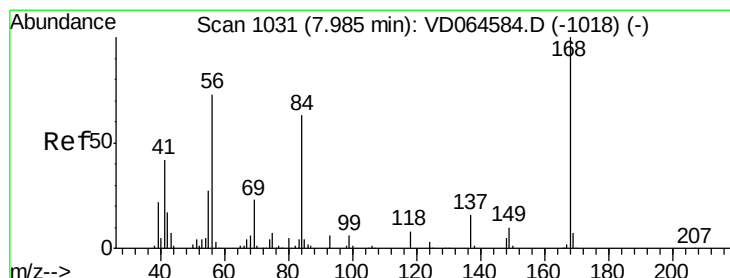
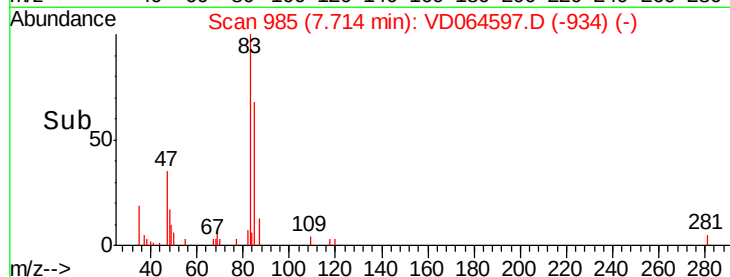
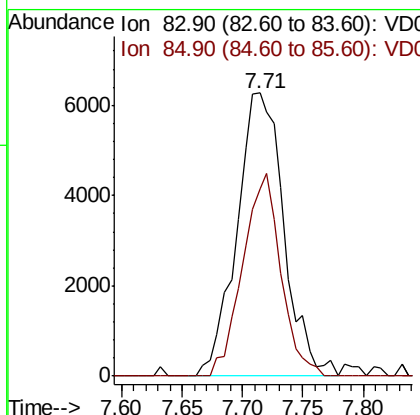
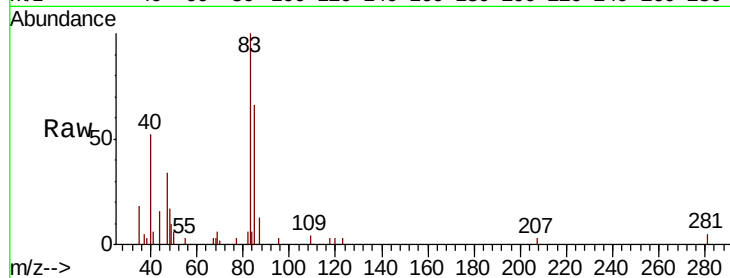




#30
Chloroform
Concen: 2.029 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

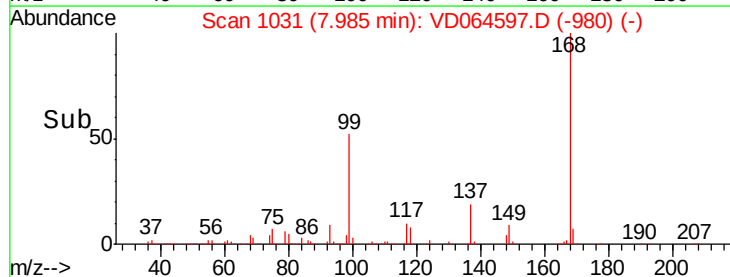
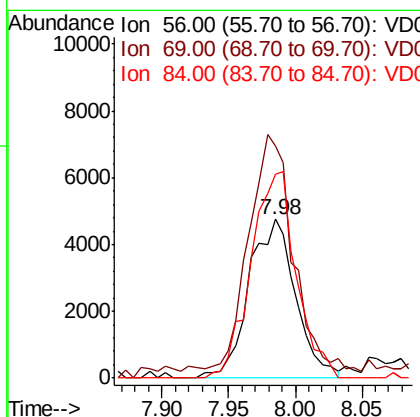
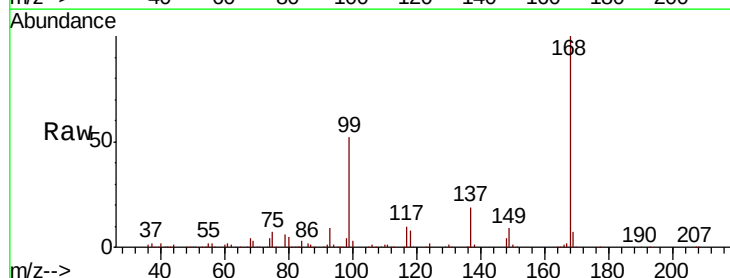
Instrument :
MSVOA_D
ClientSampleId :

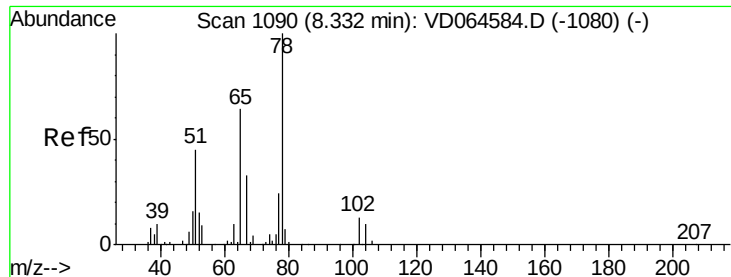
Tot Ion: 83 Resp: 17041
Ion Ratio Lower Upper
83 100
85 66.0 51.1 76.7



#31
Cyclohexane
Concen: 1.437 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

Tgt Ion: 56 Resp: 11519
Ion Ratio Lower Upper
56 100
69 138.3 24.7 37.1#
84 128.7 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 48.173 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064597.D

Acq: 26 Dec 2019 14:12

Instrument :

MSVOA_D

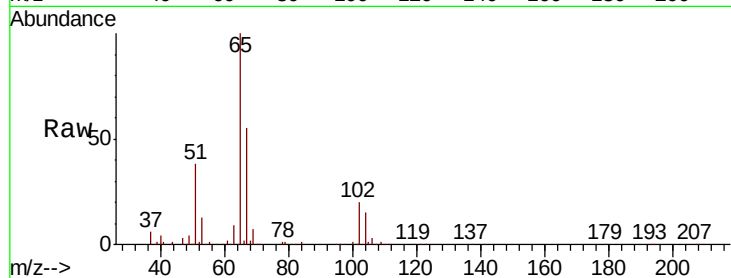
ClientSampleId :

Tot Ion: 65 Resp: 207059

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

60000

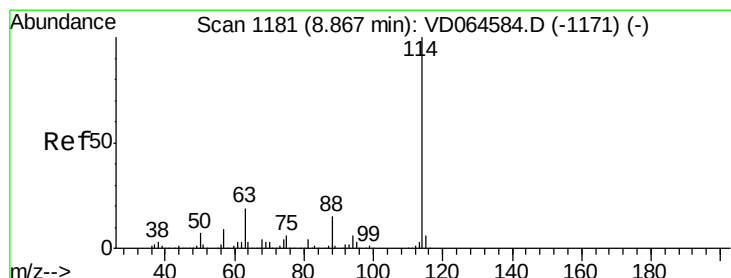
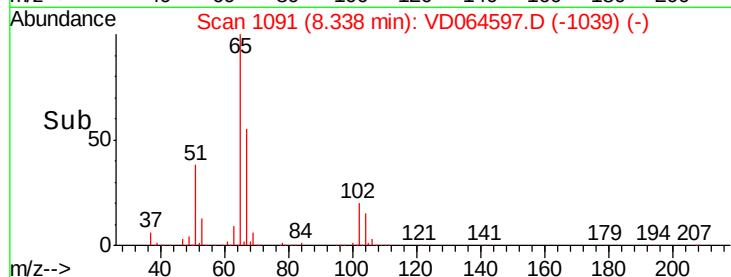
40000

20000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064597.D

Acq: 26 Dec 2019 14:12

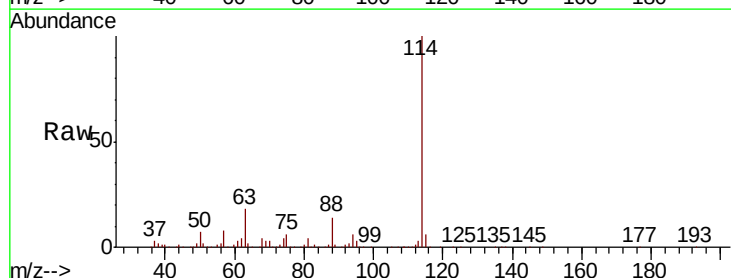
Tgt Ion: 114 Resp: 788380

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.0

88 14.4 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

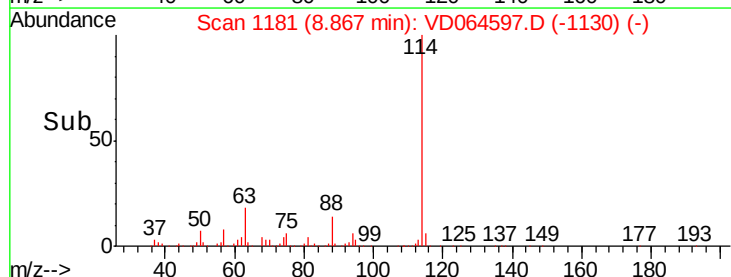
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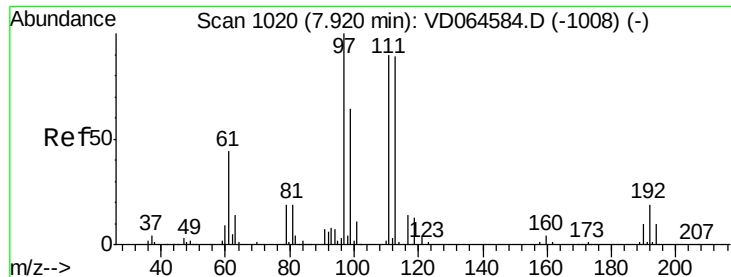
100000

0

8.80 8.90 9.00

Time-->

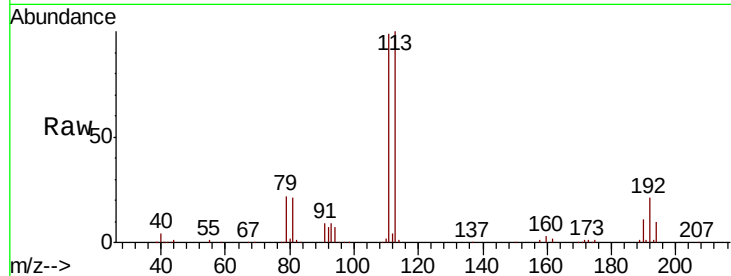




#35
 Dibromofluoromethane
 Concen: 44.043 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064597.D
 Acq: 26 Dec 2019 14:12

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.6	121.0
192	22.8	17.9	26.9

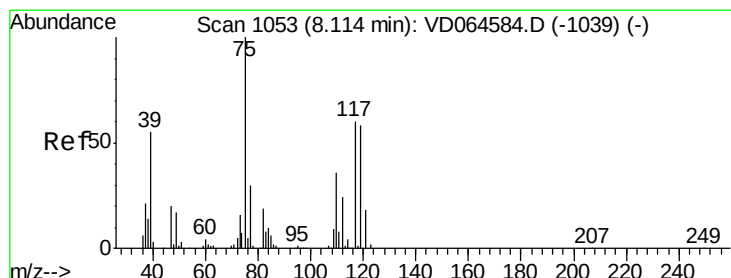
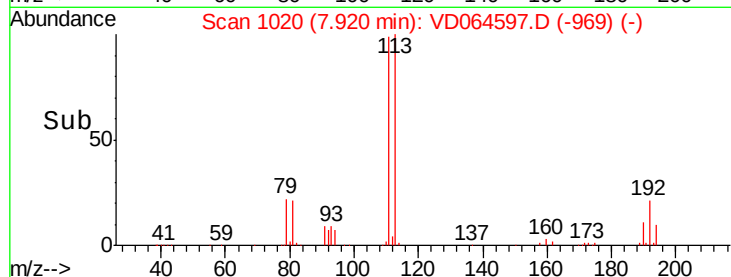
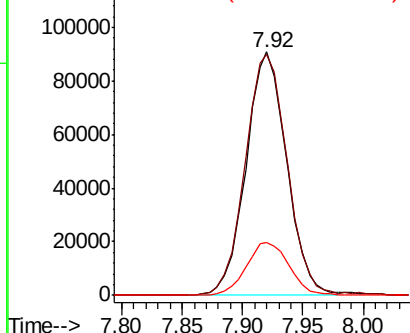


Abundance

Ion 112.80 (112.50 to 113.50): V

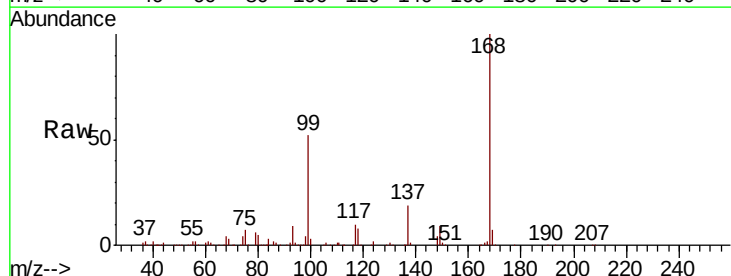
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064597.D
 Acq: 26 Dec 2019 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.1#
77	0.2	24.2	36.4#

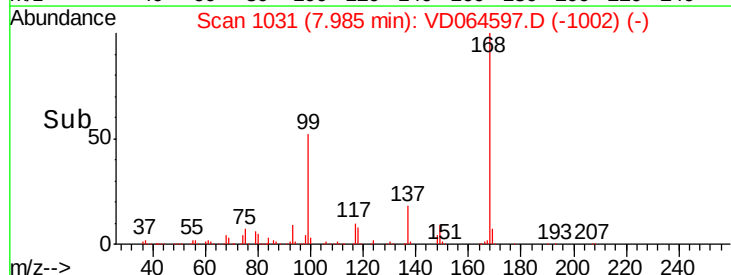
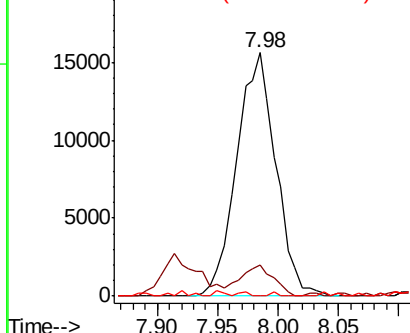


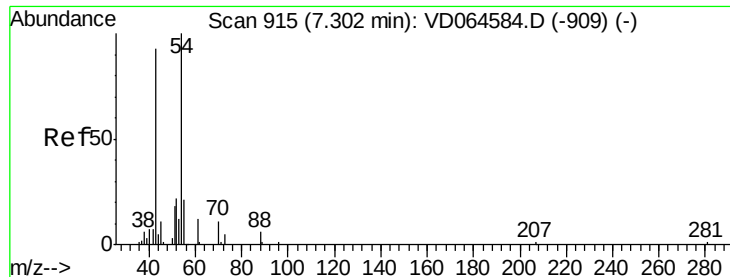
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

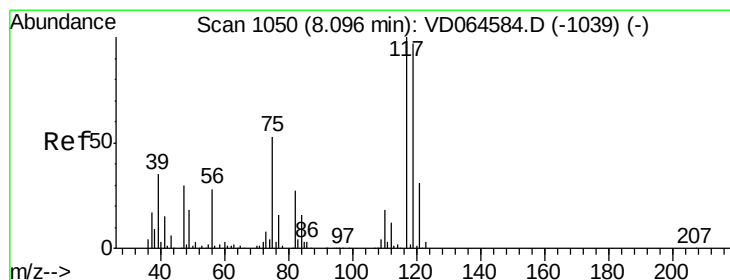
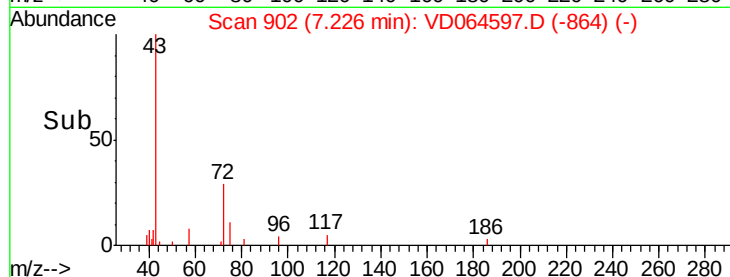
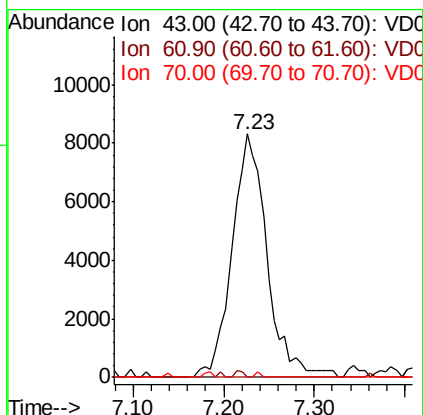
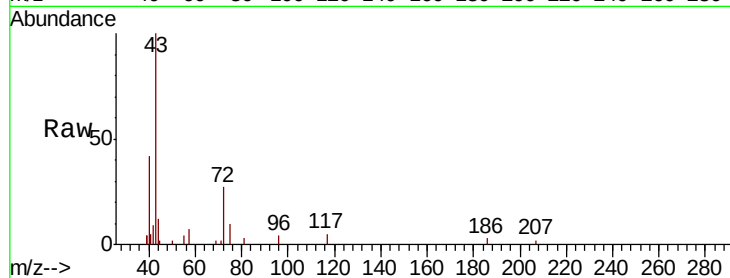




#37
Ethyl Acetate
Concen: 7.449 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.08 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

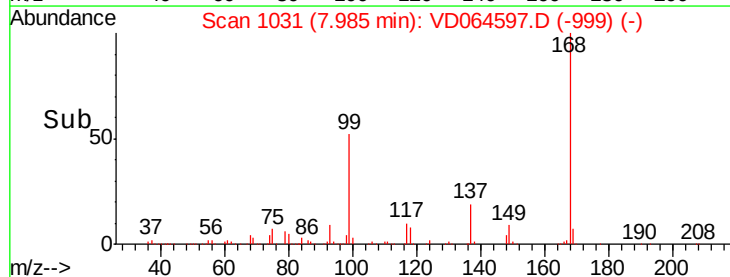
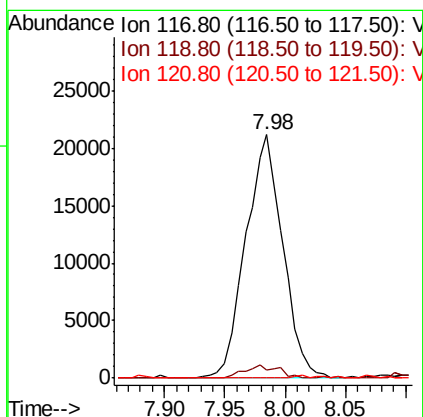
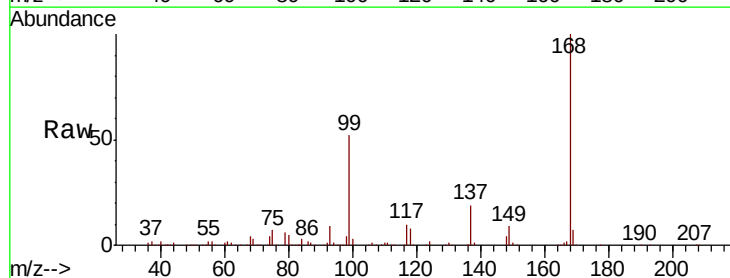
Instrument :
MSVOA_D
ClientSampled :

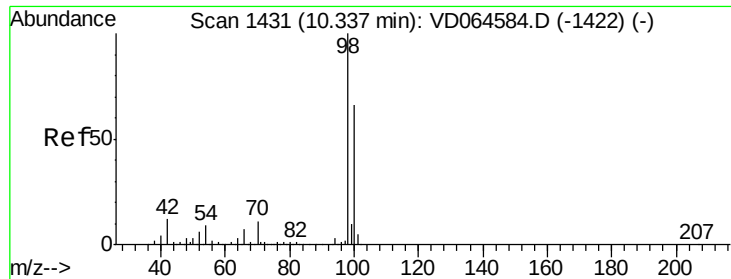
Tot Ion: 43 Resp: 22205
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.3 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 5.596 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

Tgt Ion: 117 Resp: 45281
Ion Ratio Lower Upper
117 100
119 3.5 77.3 115.9#
121 0.0 25.0 37.6#

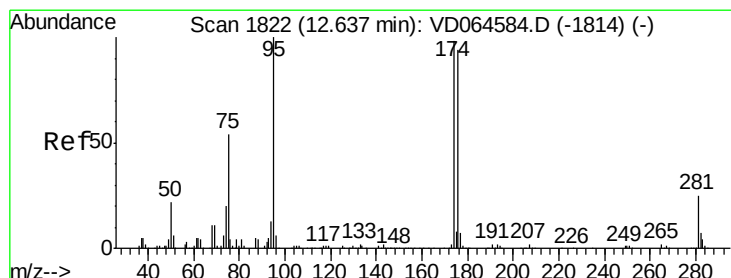
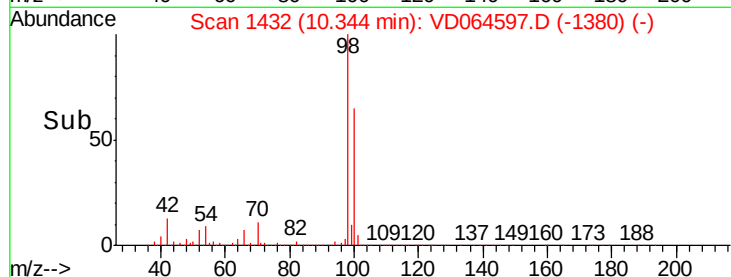
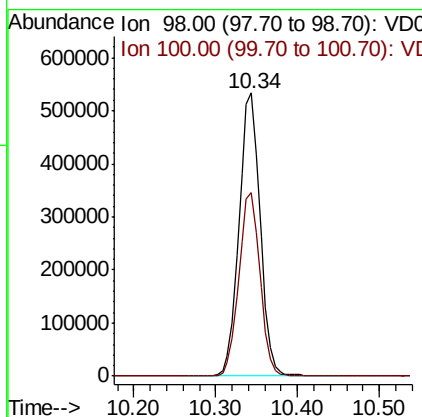
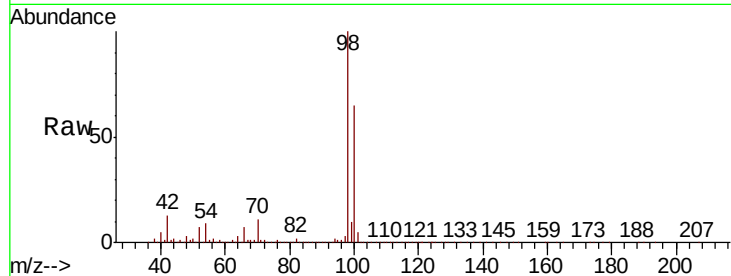




#50
Toluene-d8
Concen: 51.884 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

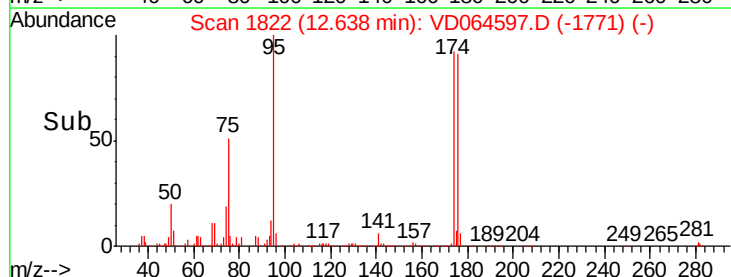
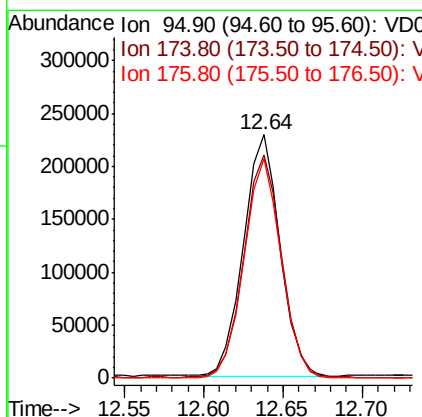
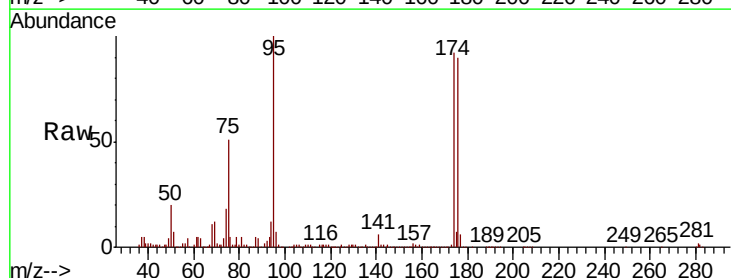
Instrument :
MSVOA_D
ClientSampleId :

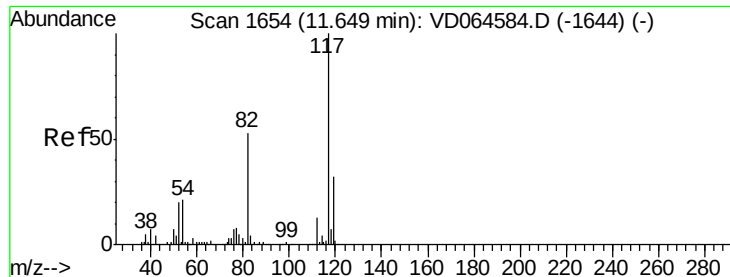
Tot Ion: 98 Resp: 961130
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 62.188 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

Tgt Ion: 95 Resp: 364275
Ion Ratio Lower Upper
95 100
174 96.5 0.0 193.2
176 92.4 0.0 184.2

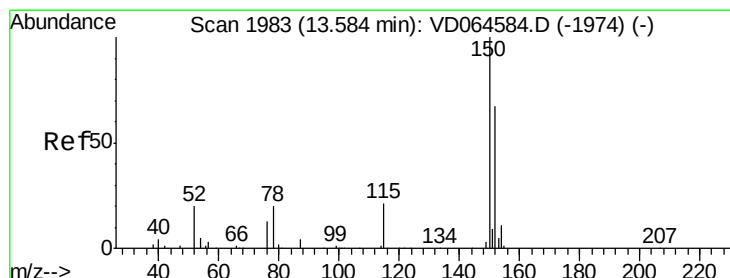
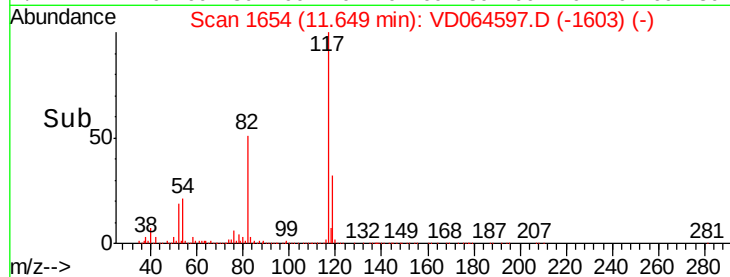
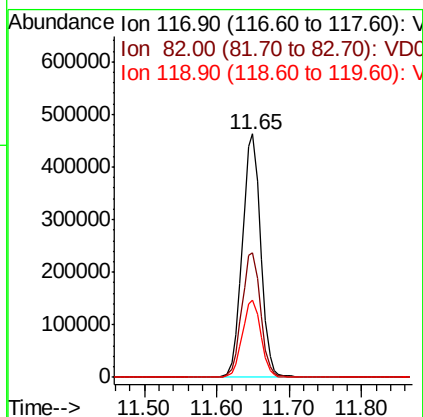
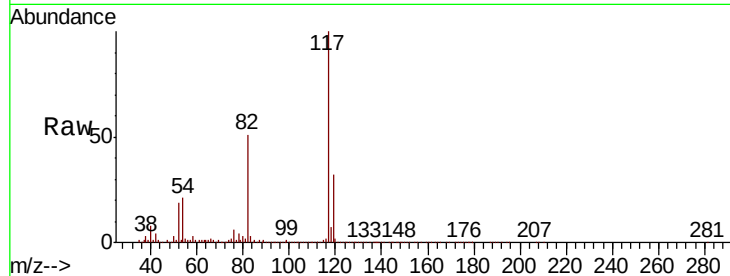




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

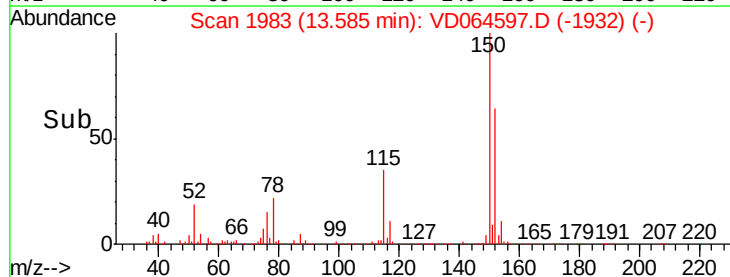
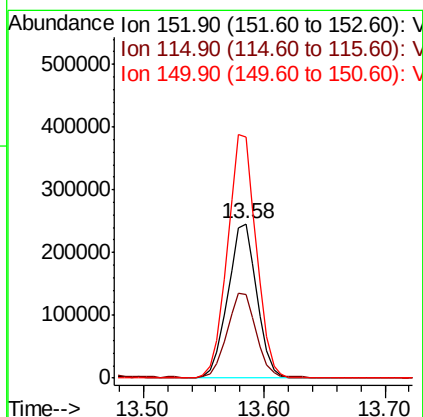
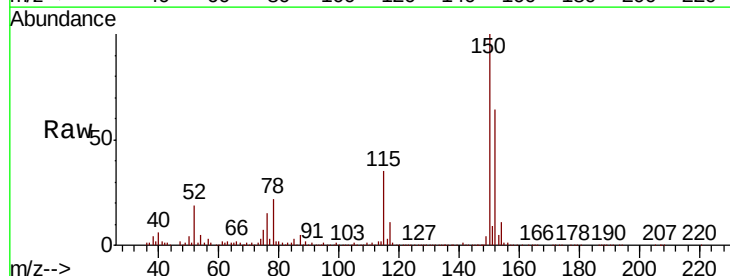
Instrument :
MSVOA_D
ClientSampleId :

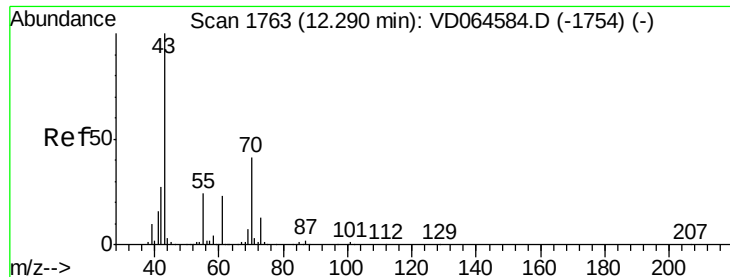
Tot Ion:117 Resp: 808996
Ion Ratio Lower Upper
117 100
82 51.0 42.2 63.4
119 31.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064597.D
Acq: 26 Dec 2019 14:12

Tgt Ion:152 Resp: 406902
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 157.0 0.0 351.4





#74

N-amvl acetate

Concen: 2.035 ug/l

RT: 12.27 min Scan# 1759

Delta R.T. -0.02 min

Lab File: VD064597.D

Acq: 26 Dec 2019 14:12

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 12647

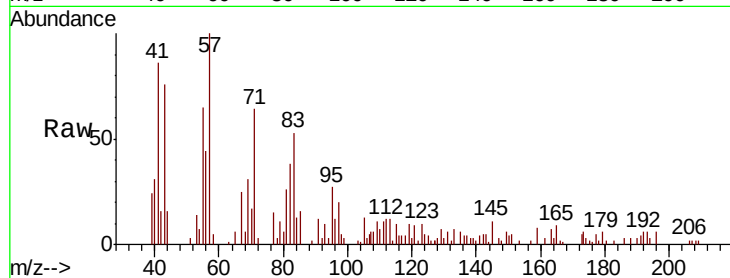
Ion Ratio Lower Upper

43 100

70 7.7 33.4 50.0#

55 87.1 19.4 29.0#

61 0.0 18.3 27.5#

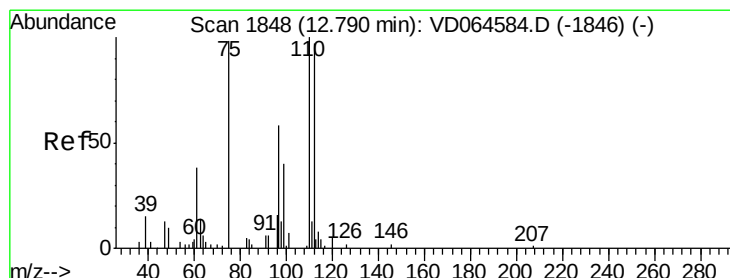
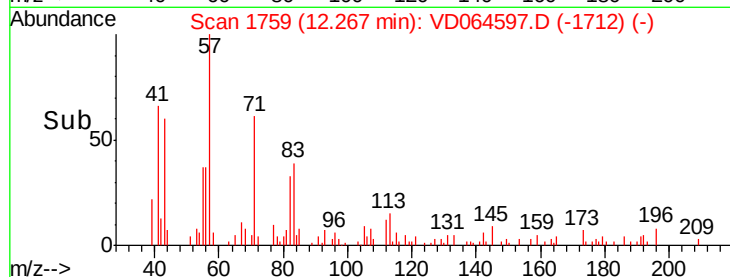
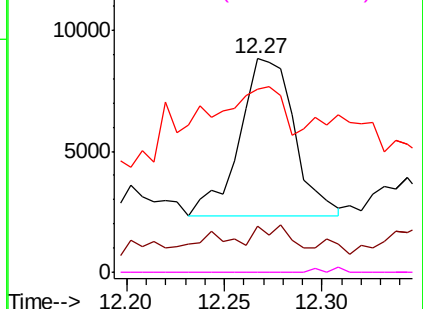


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 59.229 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064597.D

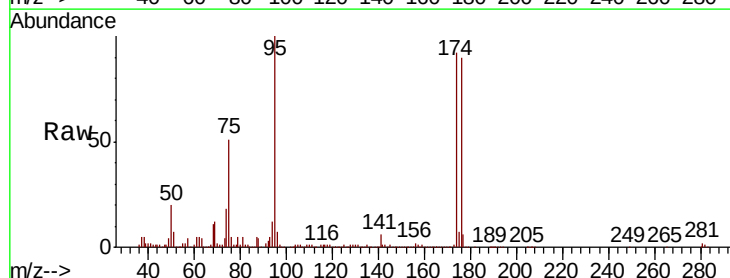
Acq: 26 Dec 2019 14:12

Tgt Ion: 75 Resp: 190311

Ion Ratio Lower Upper

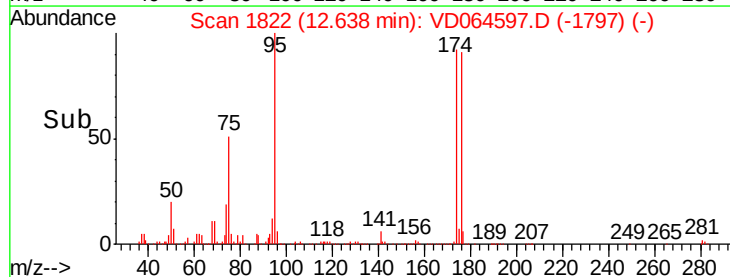
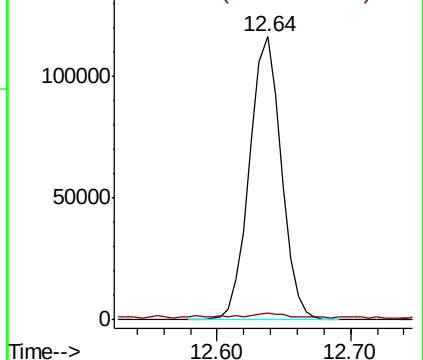
75 100

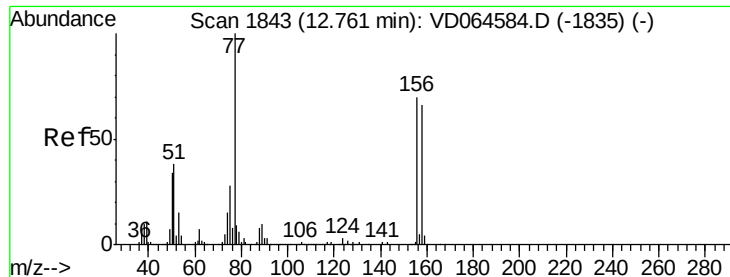
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 1.988 ug/l

RT: 12.60 min Scan# 1816

Delta R.T. -0.16 min

Lab File: VD064597.D

Acq: 26 Dec 2019 14:12

Instrument :

MSVOA_D

ClientSampleId :

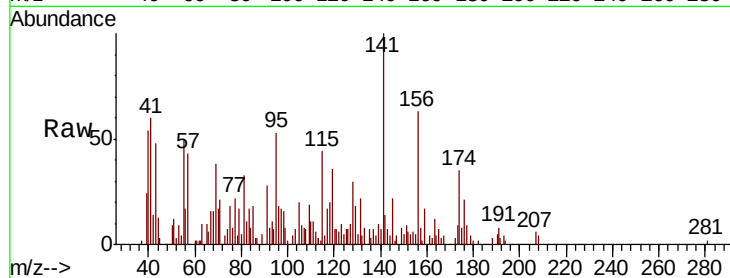
Tot Ion:156 Resp: 14203

Ion Ratio Lower Upper

156 100

77 2.8 80.9 242.7#

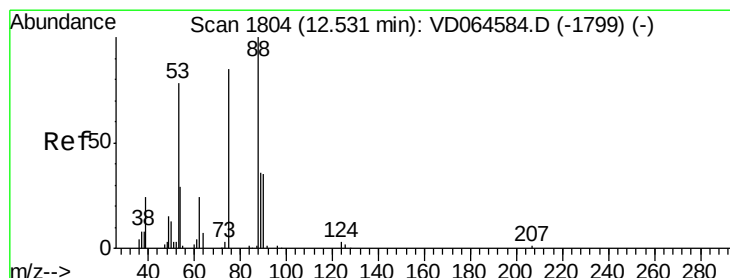
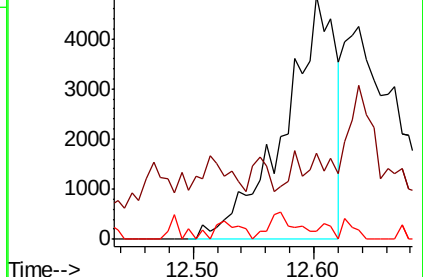
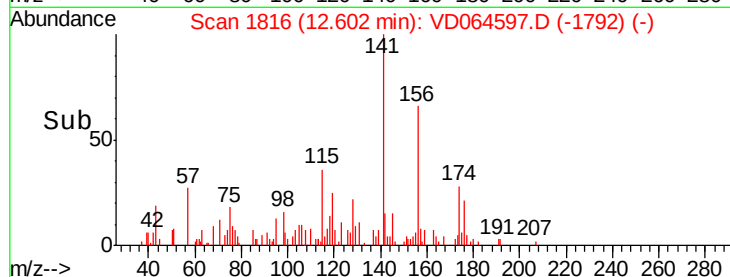
158 1.4 48.0 144.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 123.875 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064597.D

Acq: 26 Dec 2019 14:12

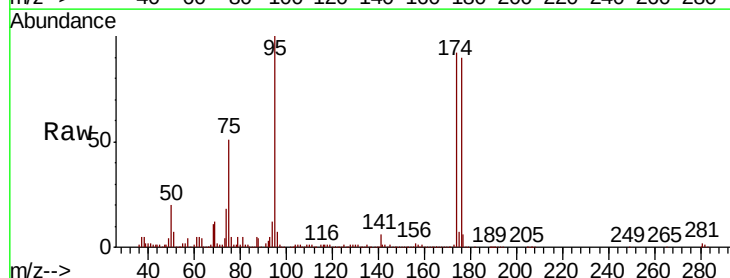
Tgt Ion: 75 Resp: 190311

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.7 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

