

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064203.D
 Acq On : 12 Nov 2019 18:31
 Operator : VA/SY
 Sample : K5760-12RE
 Misc : 5.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 13 04:12:53 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	7.99	168	850986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1238450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1231545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	553469	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	335995	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
35) Dibromofluoromethane	7.92	113	367426	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	10.34	98	1490567	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
62) 4-Bromofluorobenzene	12.64	95	540749	58.23	ug/l	0.00
Spiked Amount			Recovery	=	116.46%	

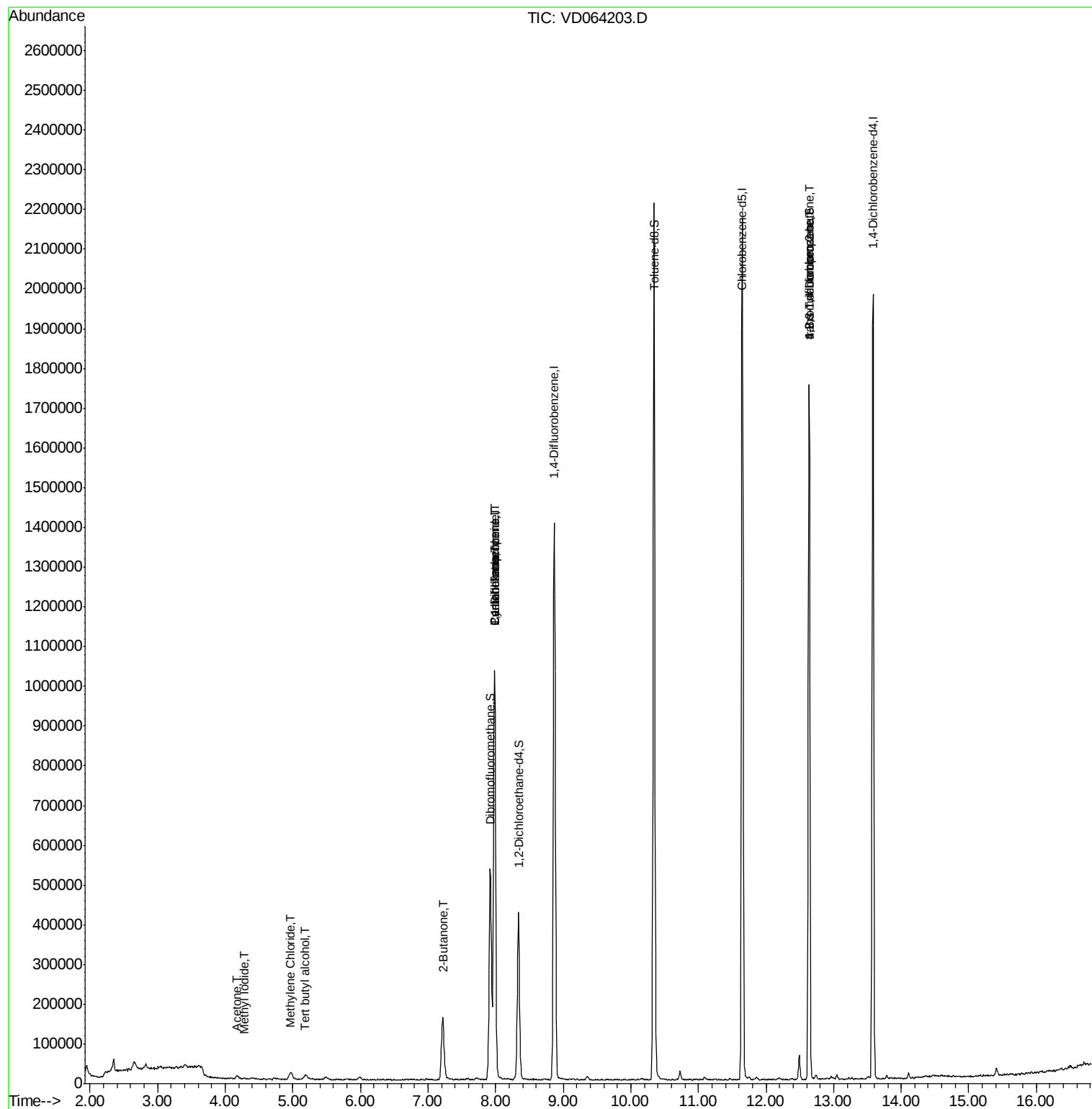
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	435	2.080	ug/l #	59
11) Tert butyl alcohol	5.18	59	10138	20.739	ug/l #	78
16) Acetone	4.17	43	14712	8.873	ug/l #	86
20) Methylene Chloride	4.96	84	13150	1.570	ug/l	89
25) 2-Butanone	7.22	43	9255	4.321	ug/l #	80
31) Cyclohexane	7.99	56	18927	1.378	ug/l #	25
36) 1,1-Dichloropropene	7.99	75	59665	5.220	ug/l #	48
38) Carbon Tetrachloride	7.98	117	77299	6.320	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	277835	62.322	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	277835	123.797	ug/l #	10

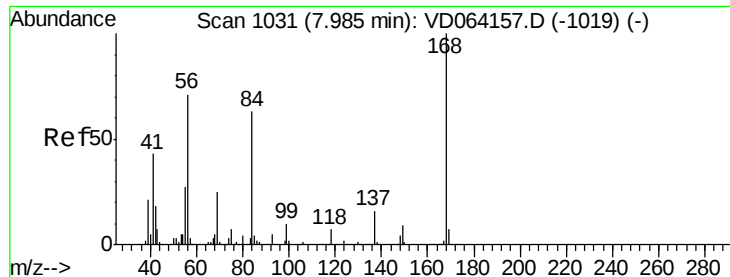
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111219\
Data File : VD064203.D
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Quant Time: Nov 13 04:12:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

Instrument :

MSVOA_D

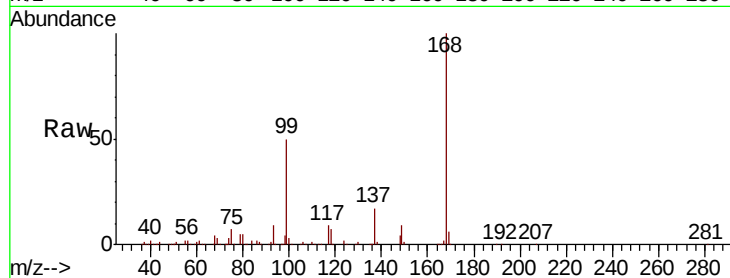
ClientSampleId :

Tot Ion:168 Resp: 850986

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

7.99

400000

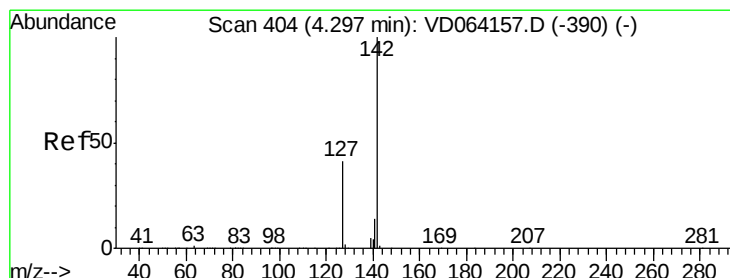
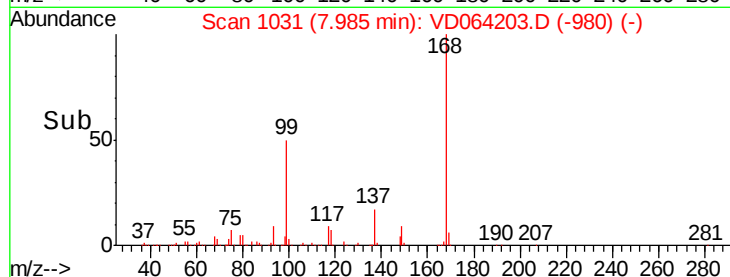
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.080 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

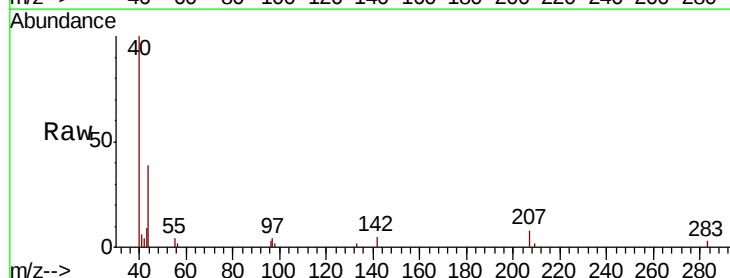
Tgt Ion:142 Resp: 435

Ion Ratio Lower Upper

142 100

127 15.2 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

4.29

400

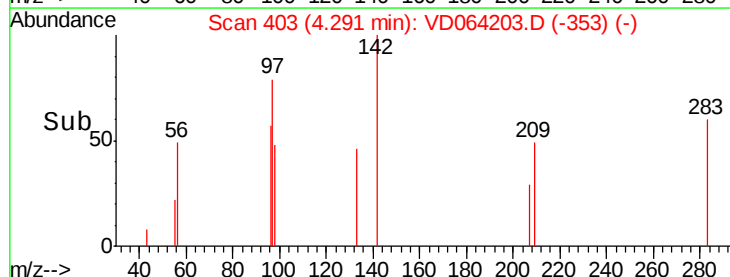
300

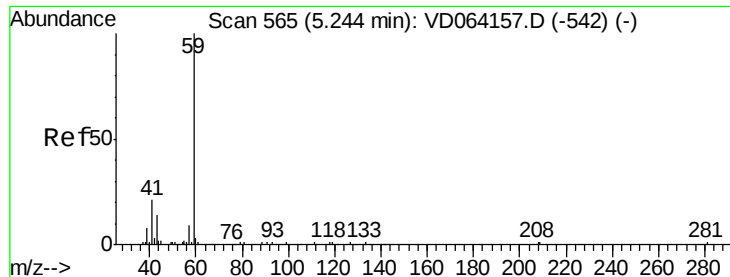
200

100

0

Time-->

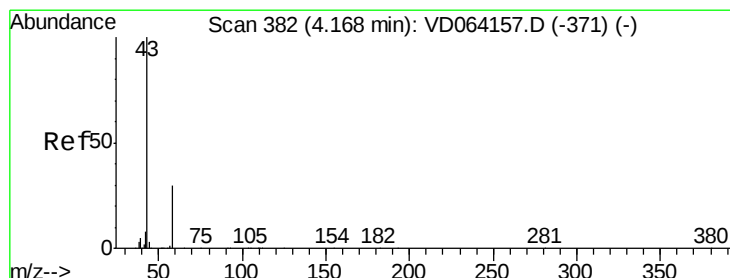
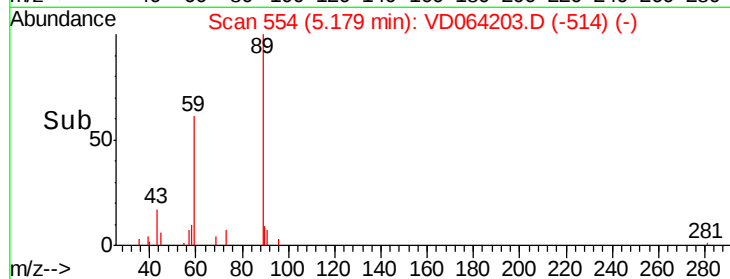
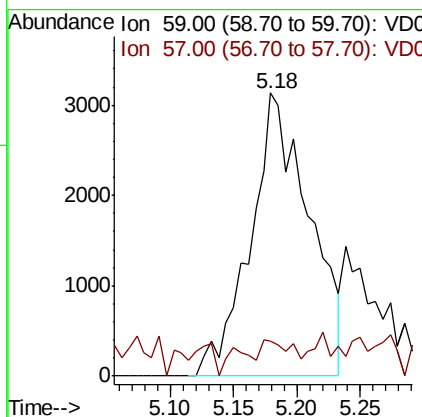
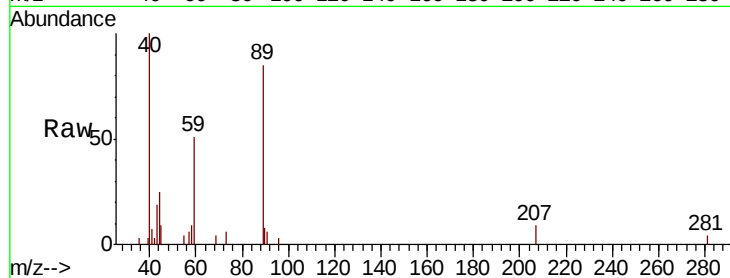




#11
Tert butyl alcohol
Concen: 20.739 ug/l
RT: 5.18 min Scan# 554
Delta R.T. -0.06 min
Lab File: VD064203.D
Acq: 12 Nov 2019 18:31

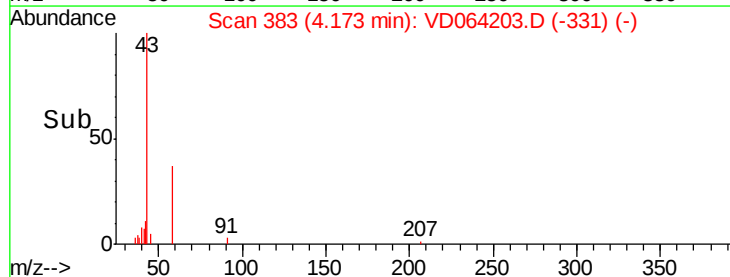
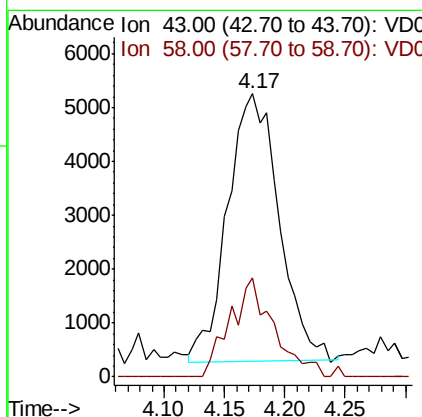
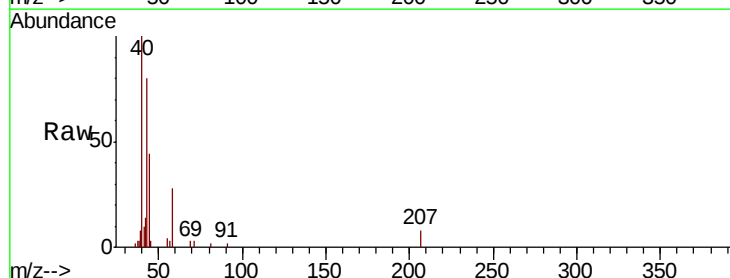
Instrument :
MSVOA_D
ClientSampled :

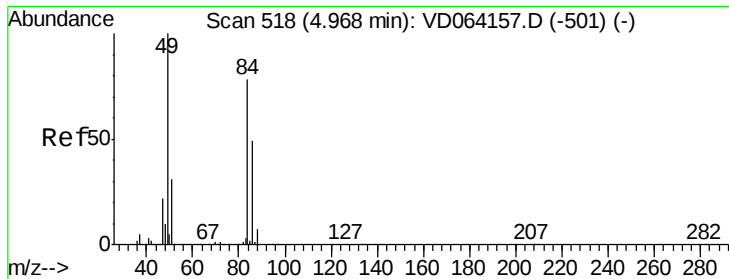
Tot Ion: 59 Resp: 10138
Ion Ratio Lower Upper
59 100
57 3.1 9.4 14.2#



#16
Acetone
Concen: 8.873 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD064203.D
Acq: 12 Nov 2019 18:31

Tgt Ion: 43 Resp: 14712
Ion Ratio Lower Upper
43 100
58 37.8 24.1 36.1#





#20

Methylene Chloride

Concen: 1.570 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 13150

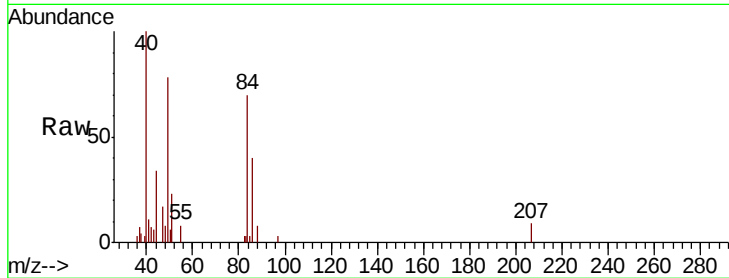
Ion	Ratio	Lower	Upper
84	100		
49	112.4	102.1	153.1
51	32.5	32.2	48.2
86	57.4	49.9	74.9

84 100

49 112.4 102.1 153.1

51 32.5 32.2 48.2

86 57.4 49.9 74.9



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

8000

6000

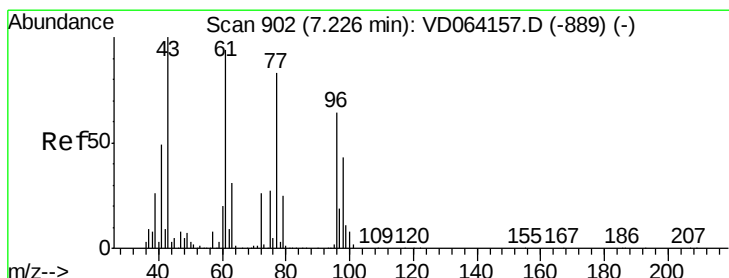
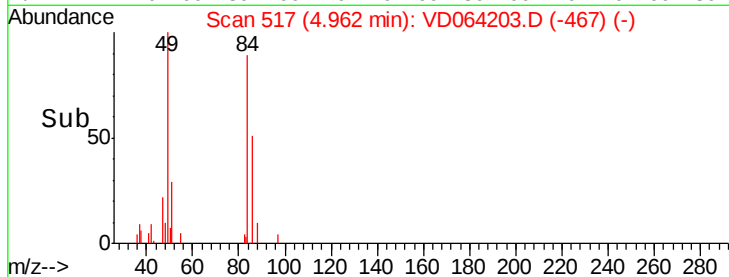
4000

2000

0

4.96

Time-->



#25

2-Butanone

Concen: 4.321 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064203.D

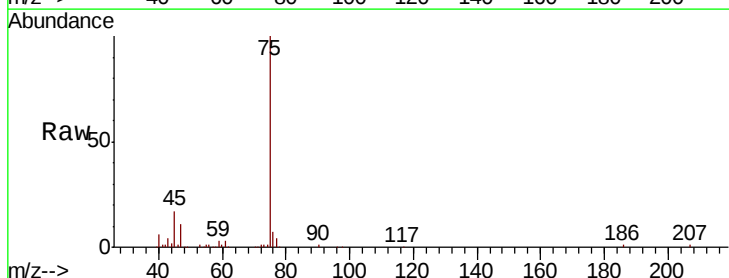
Acq: 12 Nov 2019 18:31

Tgt Ion: 43 Resp: 9255

Ion	Ratio	Lower	Upper
43	100		
72	15.5	20.6	30.8#

43 100

72 15.5 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

4000

3000

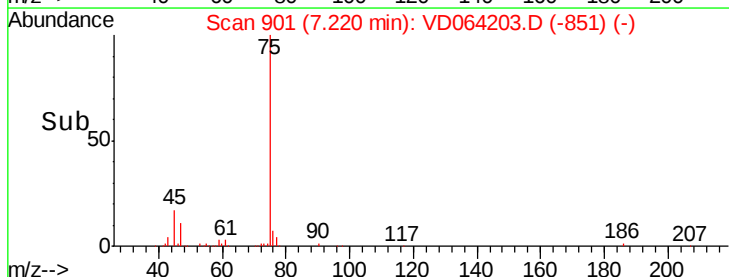
2000

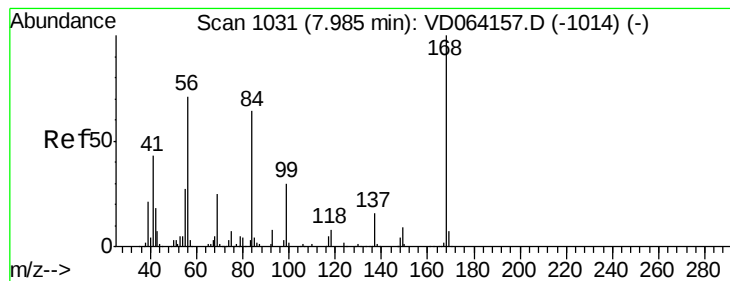
1000

0

7.22

Time-->





#31

Cyclohexane

Concen: 1.378 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

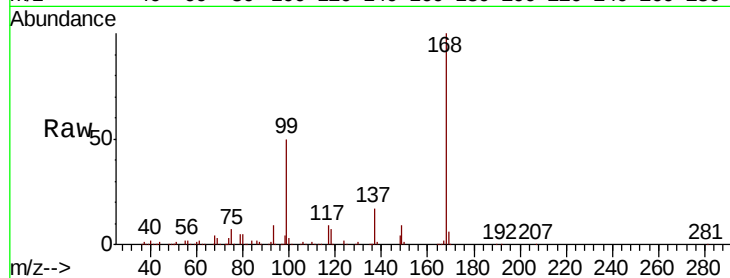
Tot Ion: 56 Resp: 18927

Ion Ratio Lower Upper

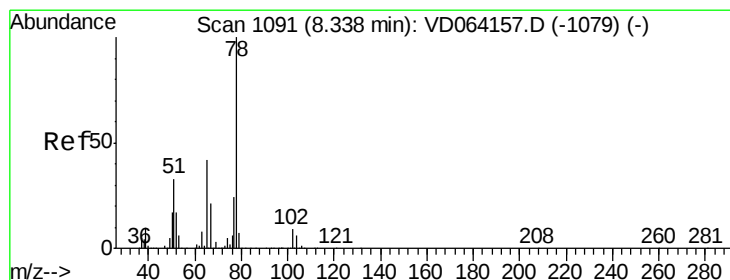
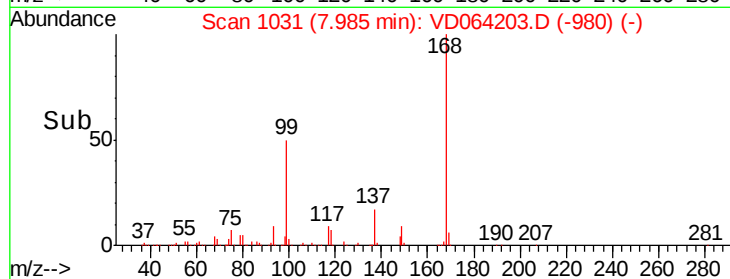
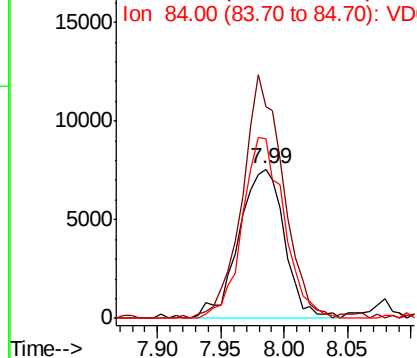
56 100

69 142.3 28.2 42.4#

84 120.1 71.8 107.6#



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: 48.007 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064203.D

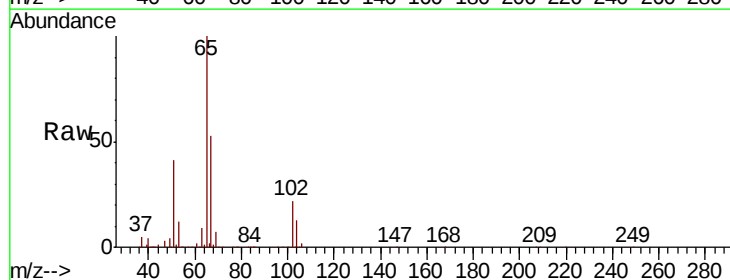
Acq: 12 Nov 2019 18:31

Tgt Ion: 65 Resp: 335995

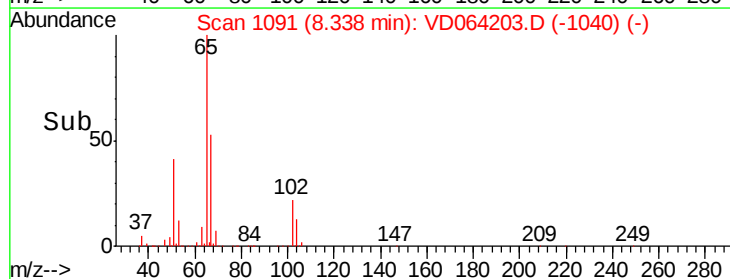
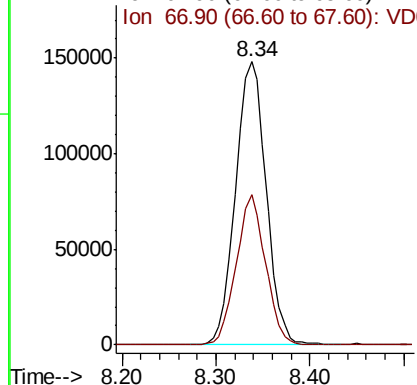
Ion Ratio Lower Upper

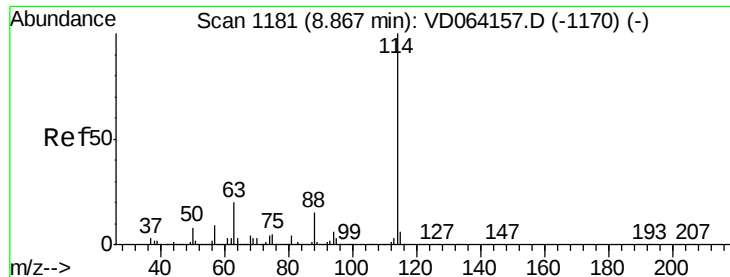
65 100

67 50.3 0.0 104.4



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

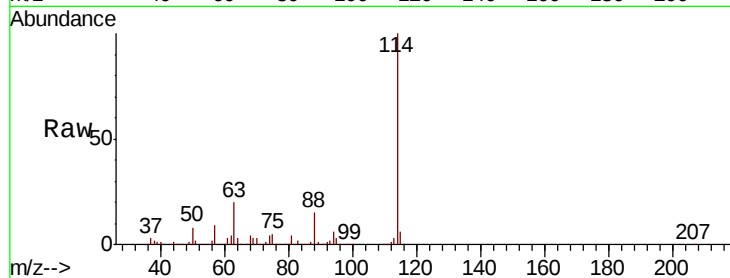




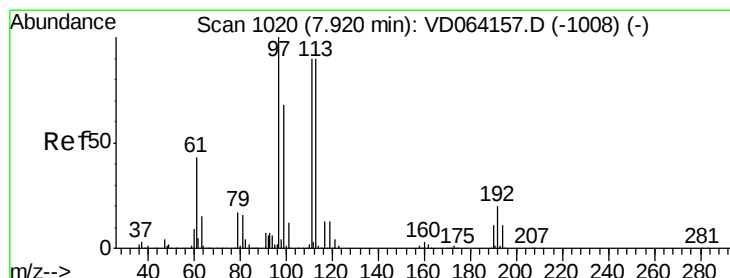
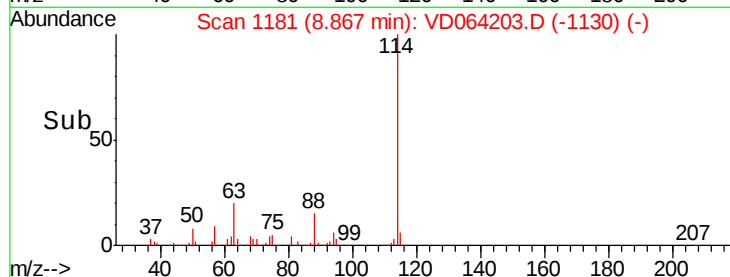
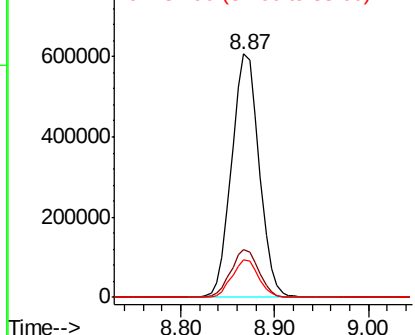
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064203.D
 Acq: 12 Nov 2019 18:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1238450
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.3 0.0 30.2

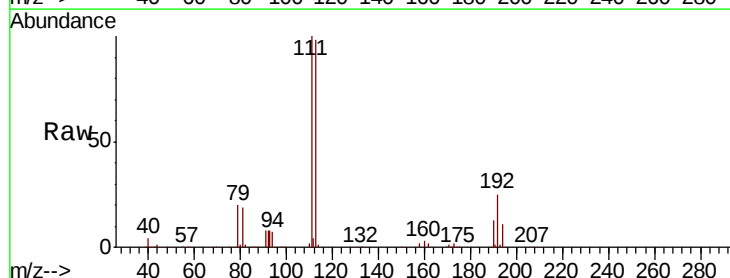


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

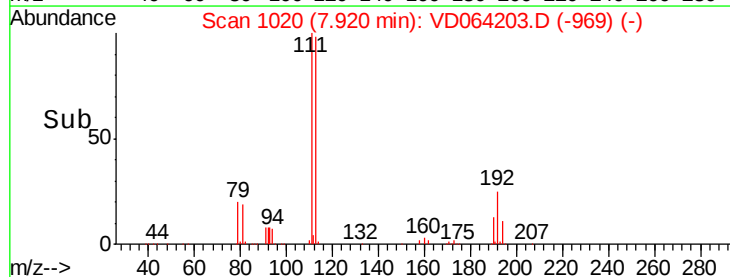
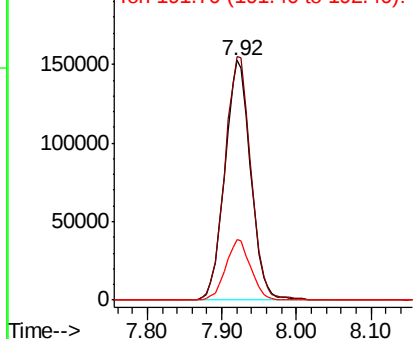


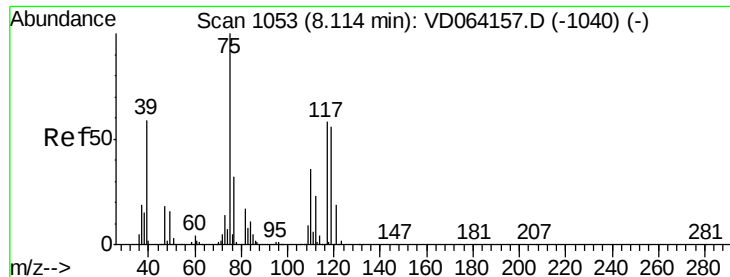
#35
 Dibromofluoromethane
 Concen: 51.685 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064203.D
 Acq: 12 Nov 2019 18:31

Tgt Ion:113 Resp: 367426
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.5 122.3
 192 24.4 18.8 28.2



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: 5.220 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

Instrument :

MSVOA_D

ClientSampleId :

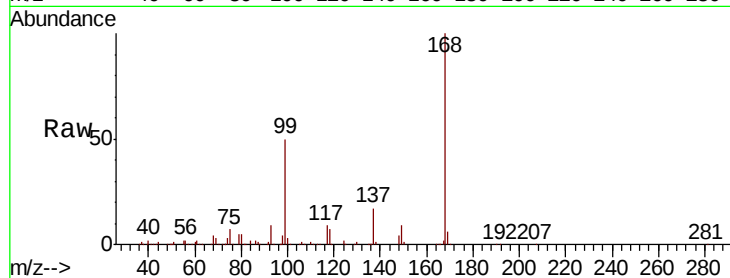
Tot Ion: 75 Resp: 59665

Ion Ratio Lower Upper

75 100

110 8.2 18.3 54.9#

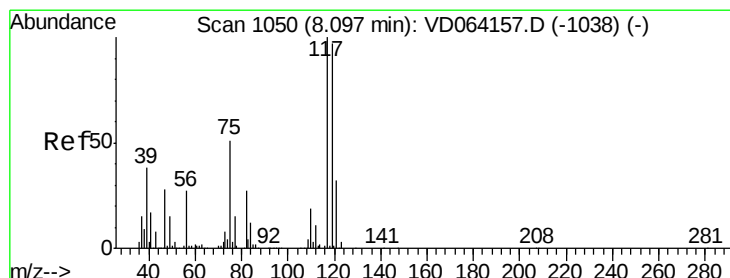
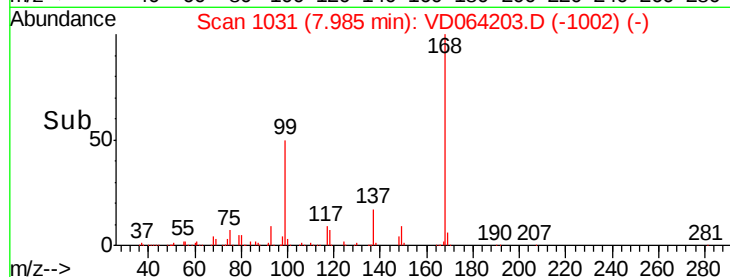
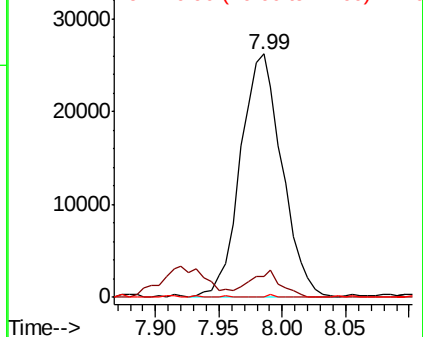
77 0.2 25.0 37.6#



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



#38

Carbon Tetrachloride

Concen: 6.320 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

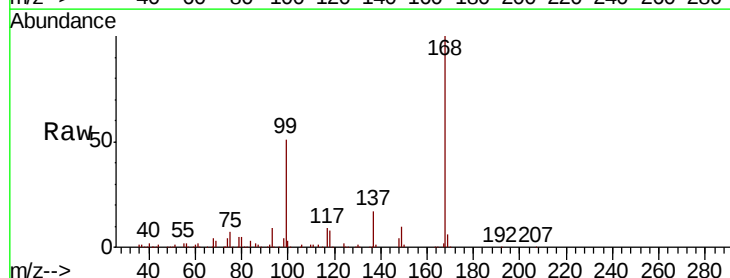
Tgt Ion: 117 Resp: 77299

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

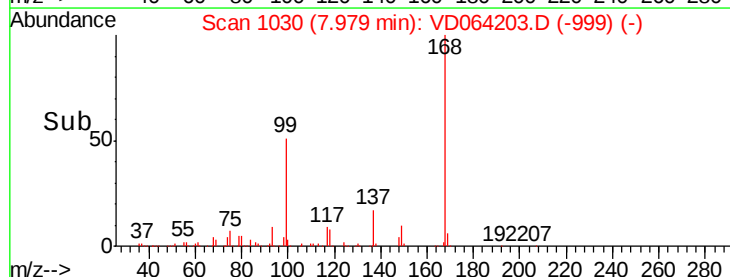
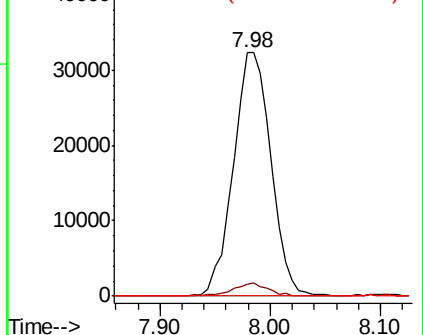
121 0.0 25.5 38.3#

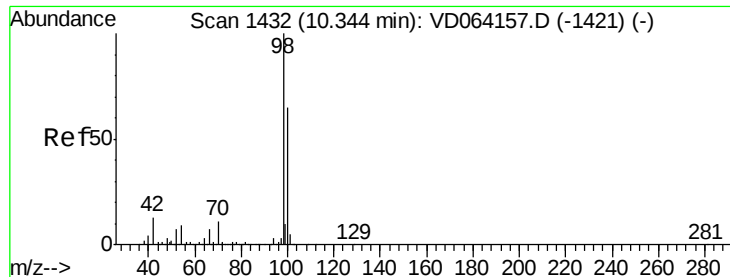


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

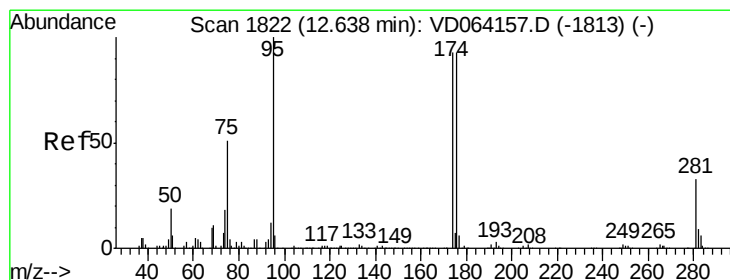
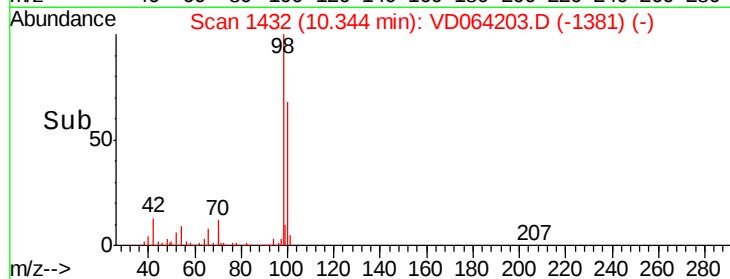
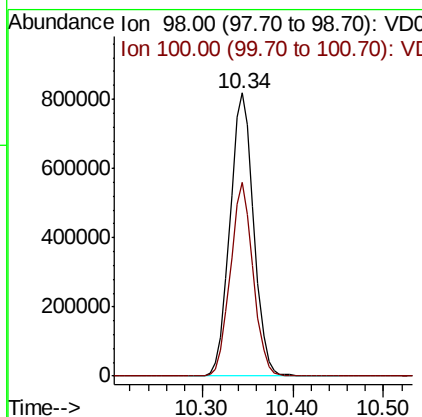
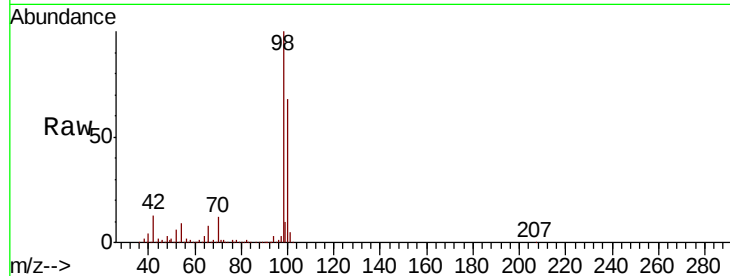




#50
Toluene-d8
Concen: 55.581 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064203.D
Acq: 12 Nov 2019 18:31

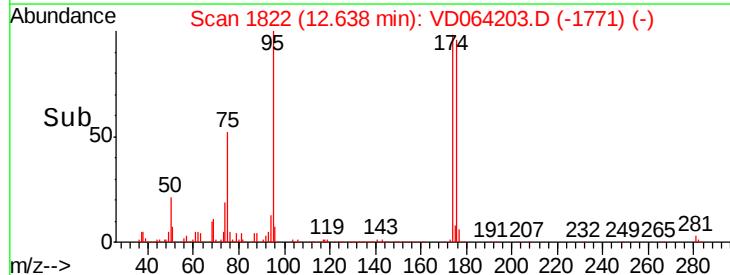
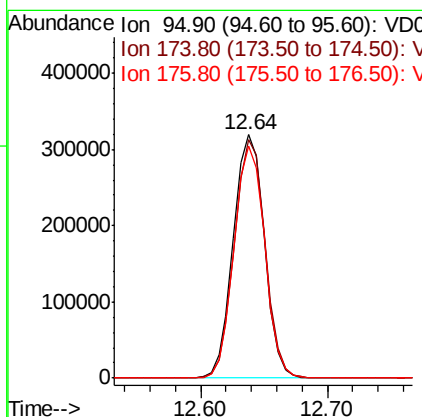
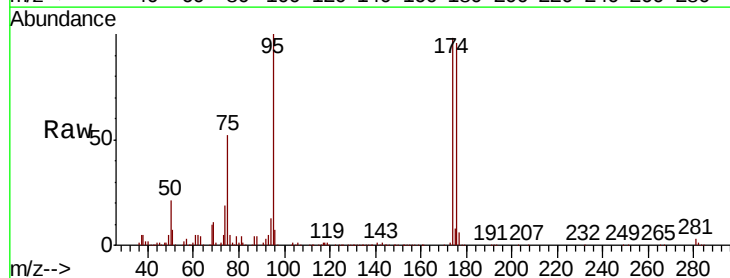
Instrument :
MSVOA_D
ClientSampleId :

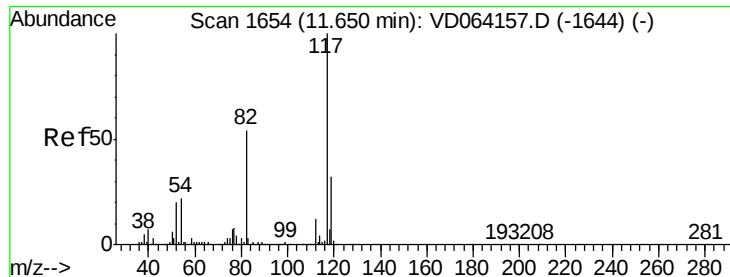
Tot Ion: 98 Resp: 1490567
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 58.225 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064203.D
Acq: 12 Nov 2019 18:31

Tgt Ion: 95 Resp: 540749
Ion Ratio Lower Upper
95 100
174 97.0 0.0 183.6
176 94.5 0.0 180.2

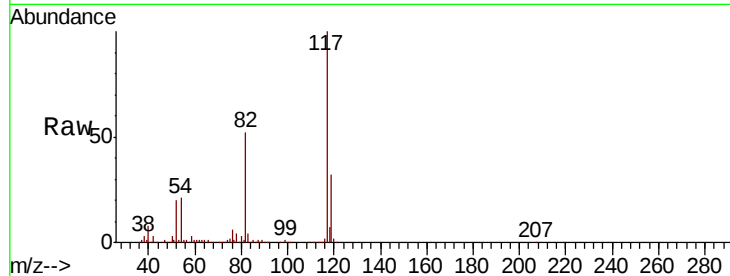




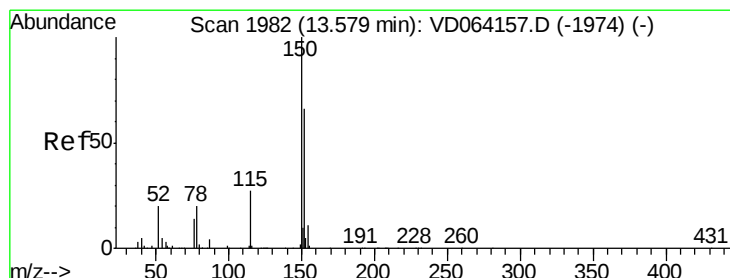
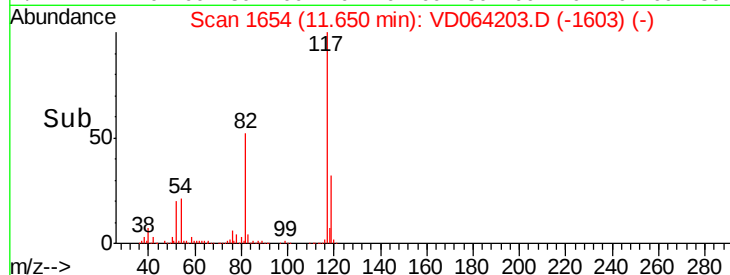
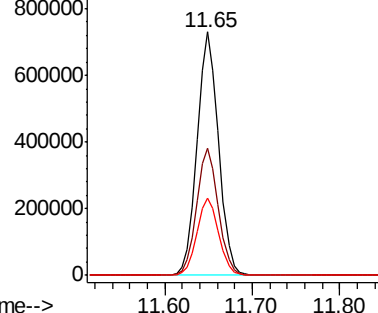
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064203.D
Acq: 12 Nov 2019 18:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1231545
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 31.7 25.6 38.4

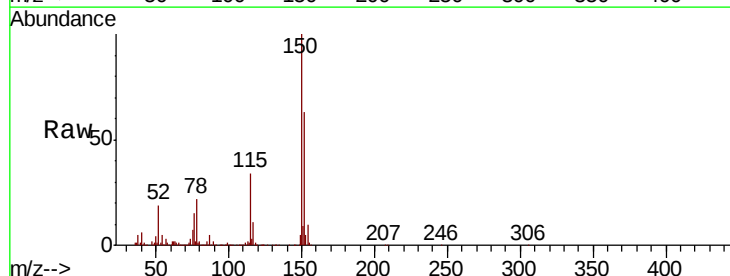


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

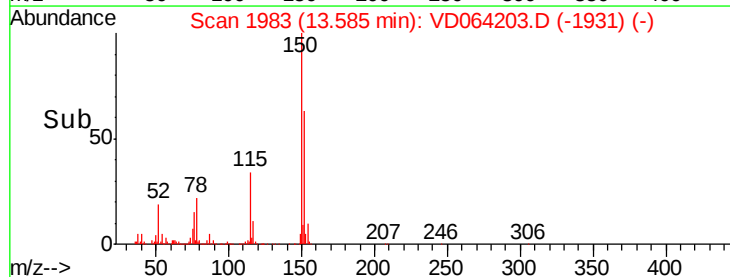
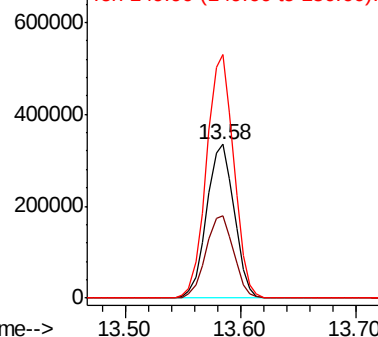


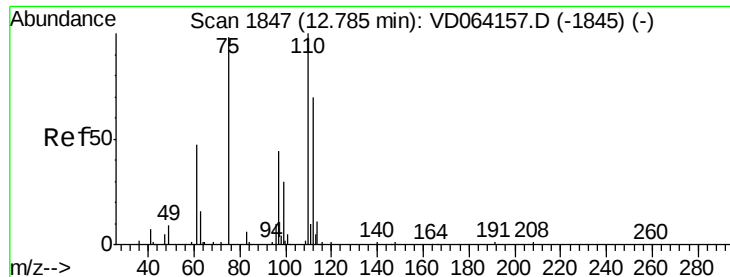
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064203.D
Acq: 12 Nov 2019 18:31

Tgt Ion:152 Resp: 553469
Ion Ratio Lower Upper
152 100
115 53.9 27.4 82.2
150 156.4 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: 62.322 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

Instrument :

MSVOA_D

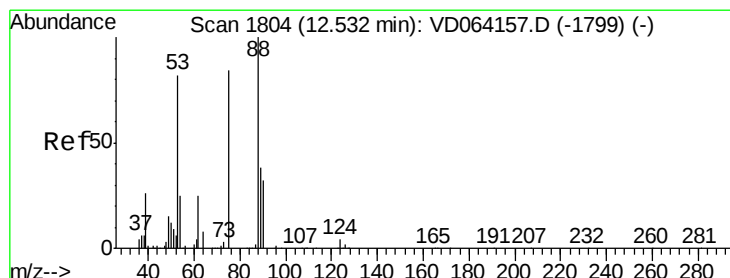
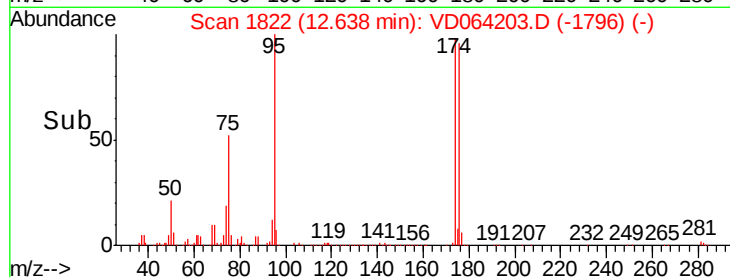
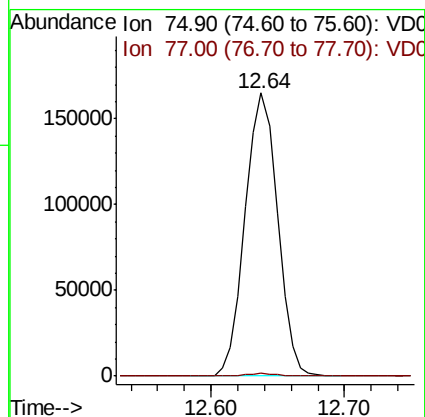
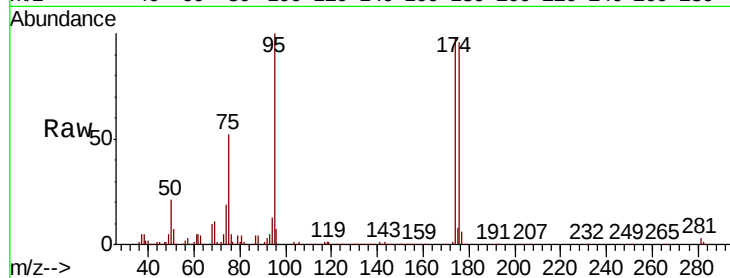
ClientSampleId :

Tot Ion: 75 Resp: 277835

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.797 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064203.D

Acq: 12 Nov 2019 18:31

Tgt Ion: 75 Resp: 277835

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

