

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064322.D
 Acq On : 21 Nov 2019 13:58
 Operator : VA/SY
 Sample : VD1121SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:41:07 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	1043682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1499379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1307992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	646387	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	456370	53.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.34%	
35) Dibromofluoromethane	7.92	113	445820	51.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.60%	
50) Toluene-d8	10.34	98	1727316	53.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.64	95	575779	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	

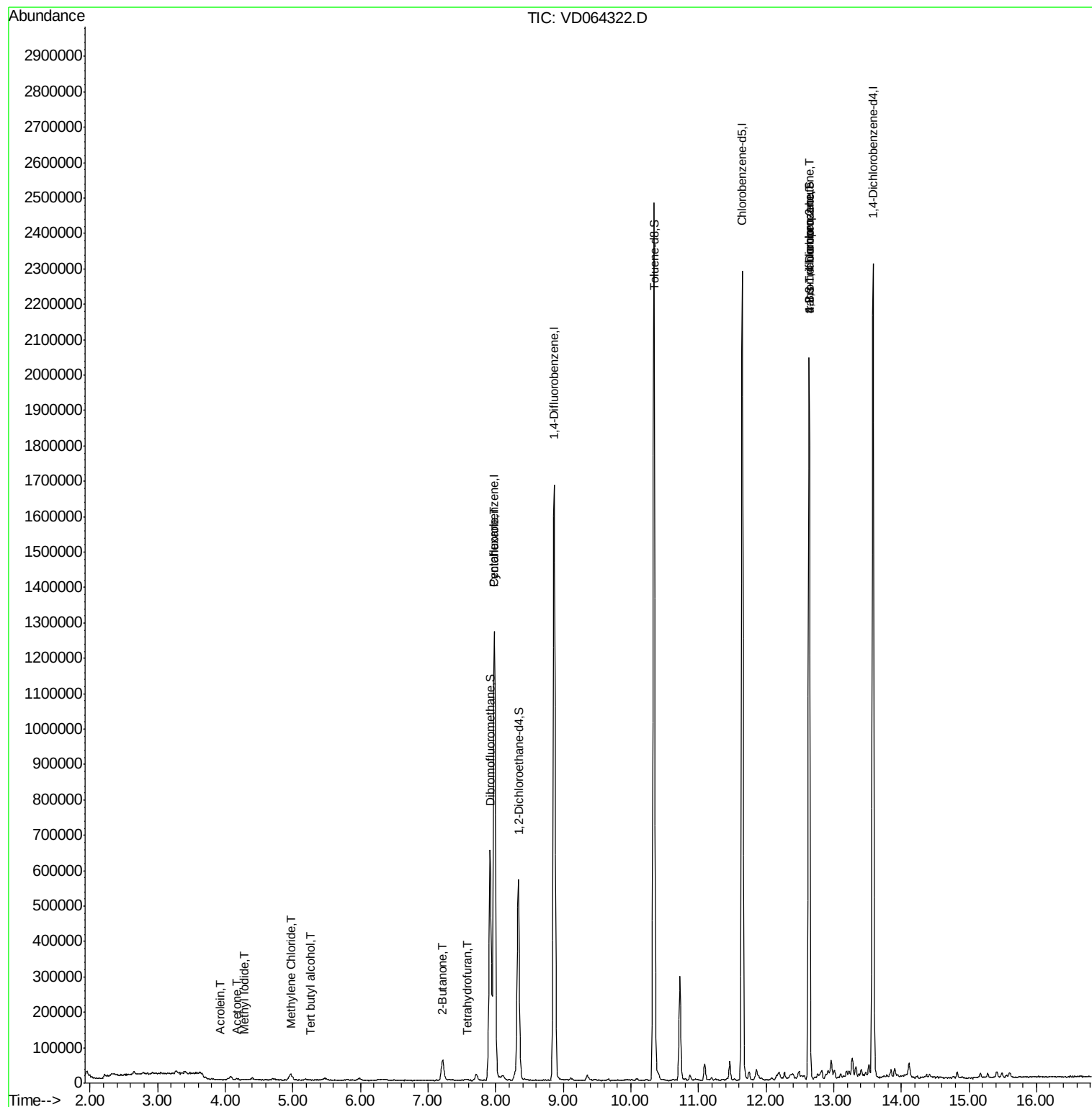
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	1740	2.190	ug/l #	80
11) Tert butyl alcohol	5.25	59	815	1.359	ug/l	99
13) Acrolein	3.92	56	937	1.847	ug/l #	83
16) Acetone	4.17	43	5759	2.832	ug/l	91
20) Methylene Chloride	4.97	84	11574	1.127	ug/l #	92
25) 2-Butanone	7.21	43	2793	1.063	ug/l #	54
29) Tetrahydrofuran	7.58	42	1796	1.138	ug/l #	66
31) Cyclohexane	7.98	56	24832	1.474	ug/l #	43
76) 1,2,3-Trichloropropane	12.64	75	295722	56.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	295722	112.825	ug/l #	10

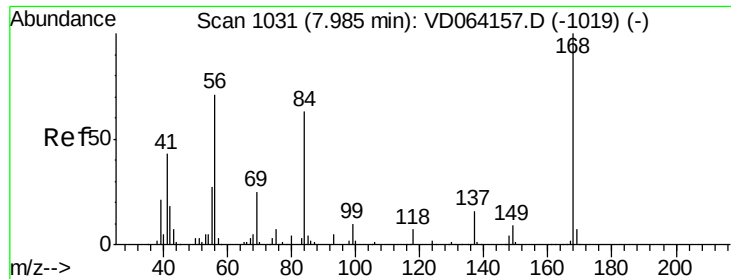
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
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QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064322.D

Acq: 21 Nov 2019 13:58

Instrument :

MSVOA_D

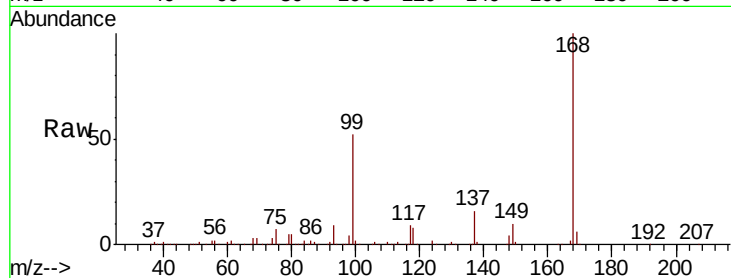
ClientSampleId :

Tot Ion:168 Resp: 1043682

Ion Ratio Lower Upper

168 100

99 51.4 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

500000

400000

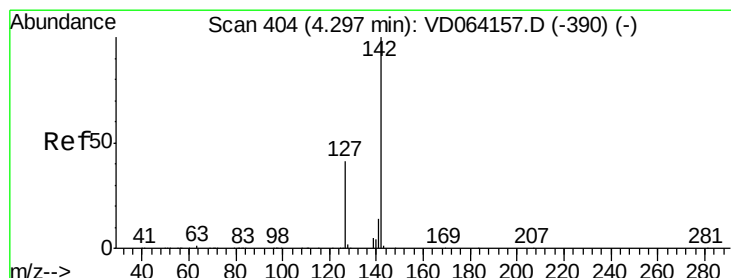
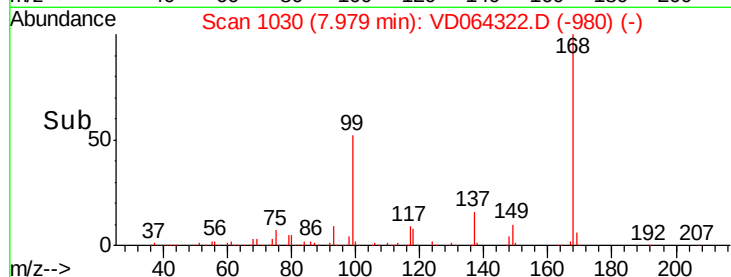
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.190 ug/l

RT: 4.28 min Scan# 401

Delta R.T. -0.02 min

Lab File: VD064322.D

Acq: 21 Nov 2019 13:58

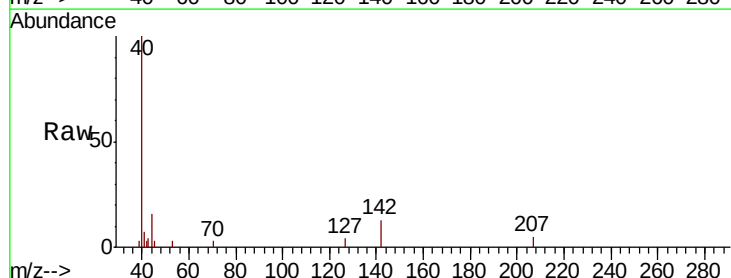
Tgt Ion:142 Resp: 1740

Ion Ratio Lower Upper

142 100

127 30.7 34.4 51.6#

141 4.4 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

1200

1000

800

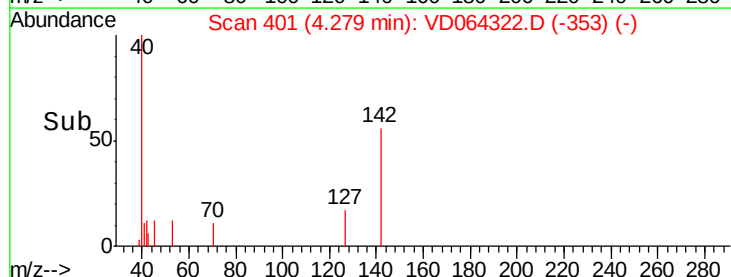
600

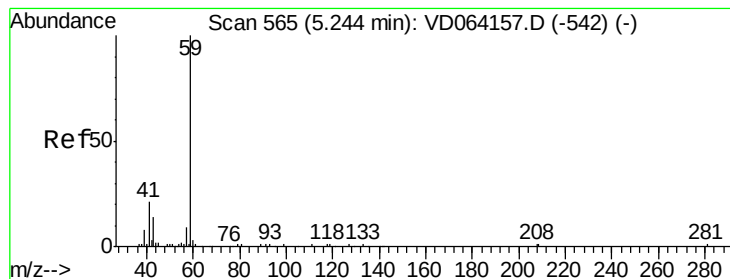
400

200

0

Time-->



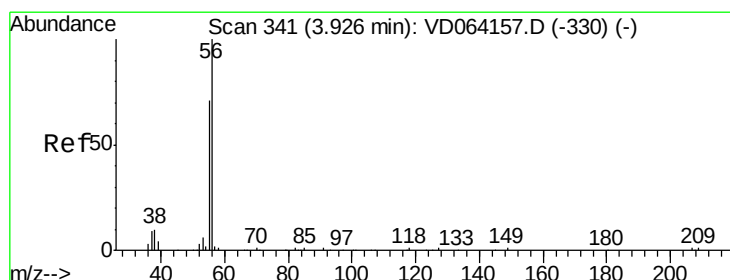
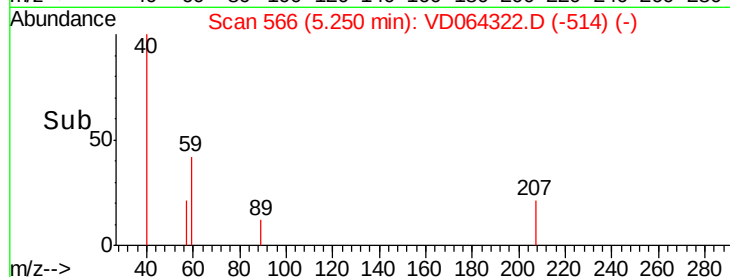
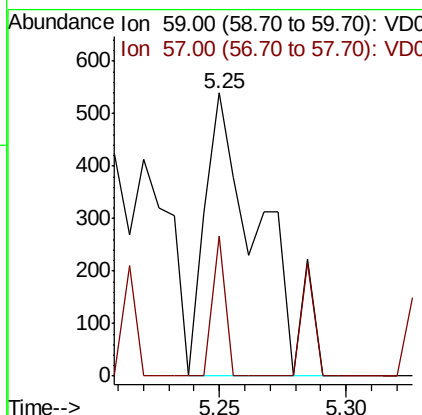
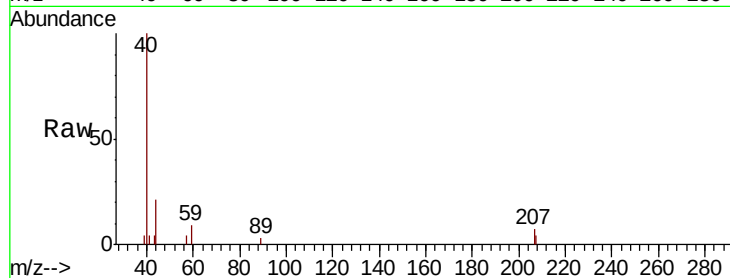


#11

Tert butyl alcohol
 Concen: 1.359 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064322.D
 Acq: 21 Nov 2019 13:58

Instrument :
 MSVOA_D
 ClientSampled :

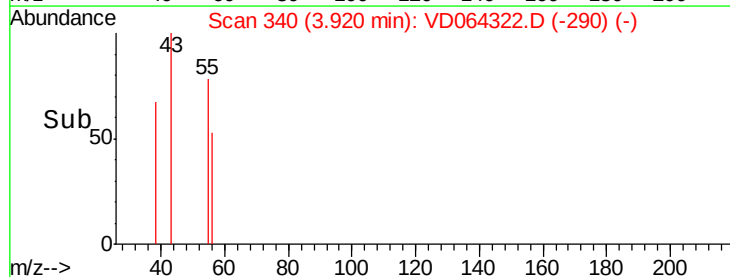
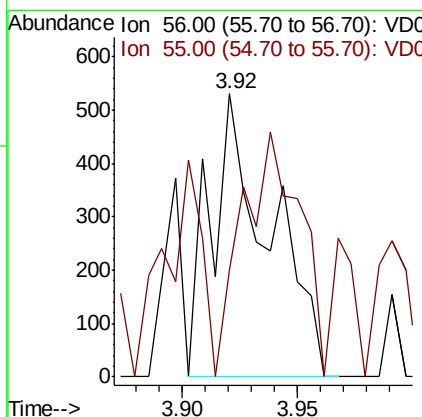
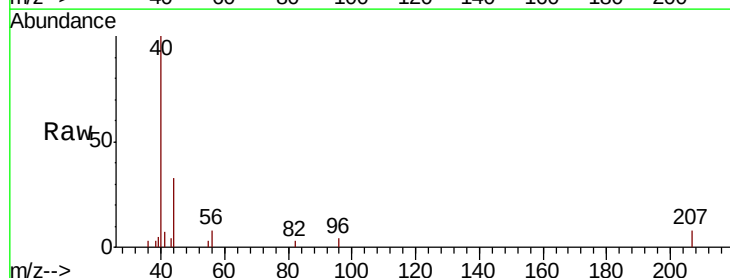
Tot Ion: 59 Resp: 815
 Ion Ratio Lower Upper
 59 100
 57 11.5 9.4 14.2

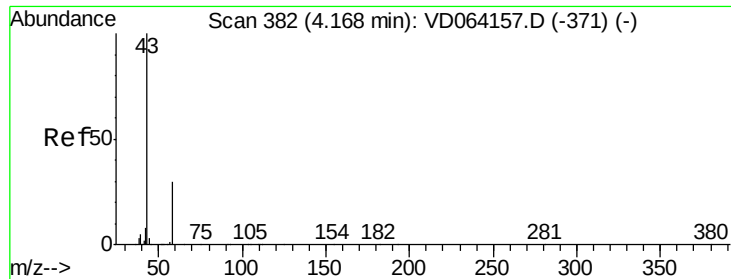


#13

Acrolein
 Concen: 1.847 ug/l
 RT: 3.92 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VD064322.D
 Acq: 21 Nov 2019 13:58

Tgt Ion: 56 Resp: 937
 Ion Ratio Lower Upper
 56 100
 55 84.3 56.1 84.1#

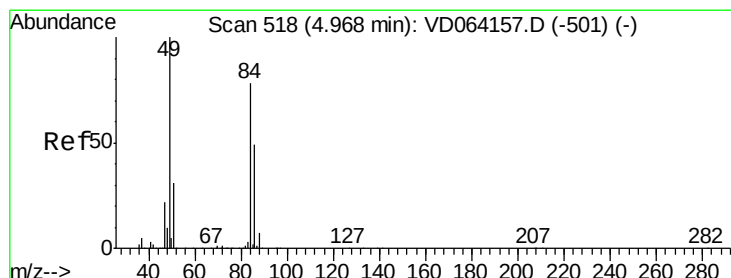
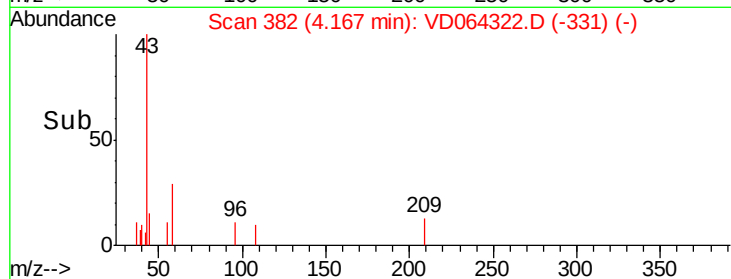
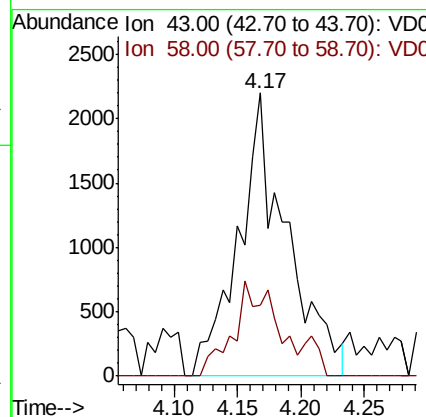
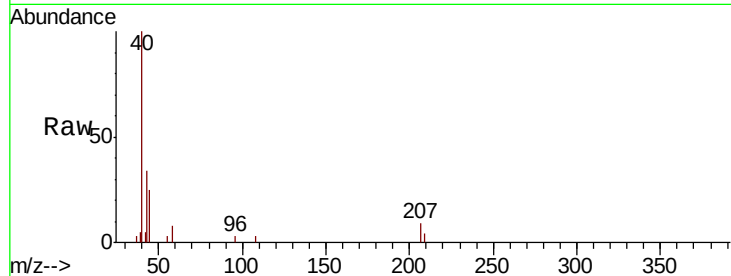




#16
Acetone
Concen: 2.832 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

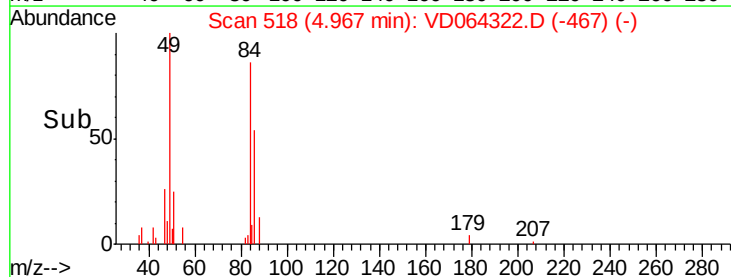
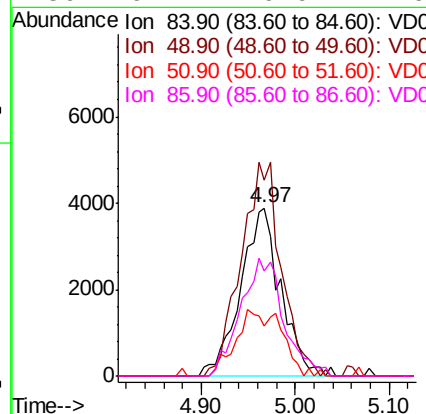
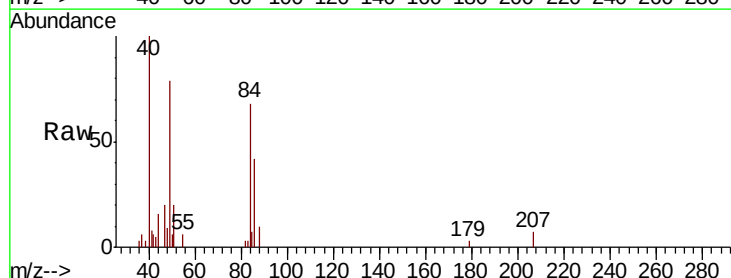
Instrument :
MSVOA_D
ClientSampleId :

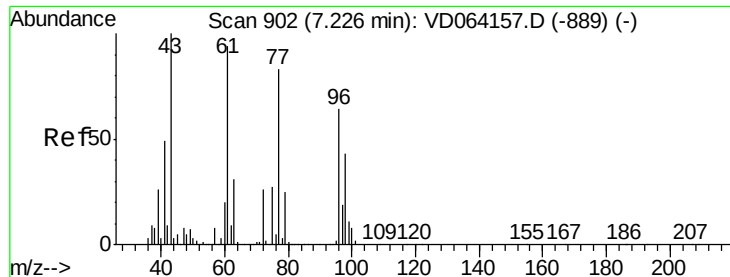
Tot Ion: 43 Resp: 5759
Ion Ratio Lower Upper
43 100
58 25.1 24.1 36.1



#20
Methylene Chloride
Concen: 1.127 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

Tgt Ion: 84 Resp: 11574
Ion Ratio Lower Upper
84 100
49 116.6 102.1 153.1
51 29.7 32.2 48.2#
86 62.4 49.9 74.9





#25

2-Butanone

Concen: 1.063 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064322.D

Acq: 21 Nov 2019 13:58

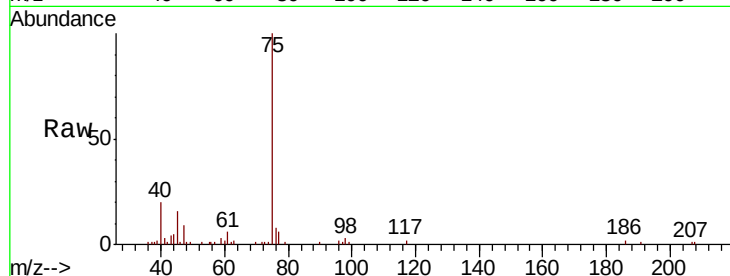
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2793

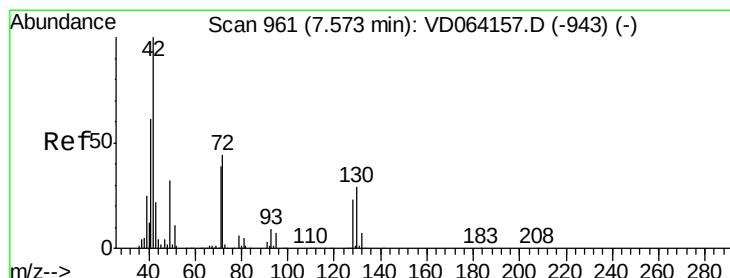
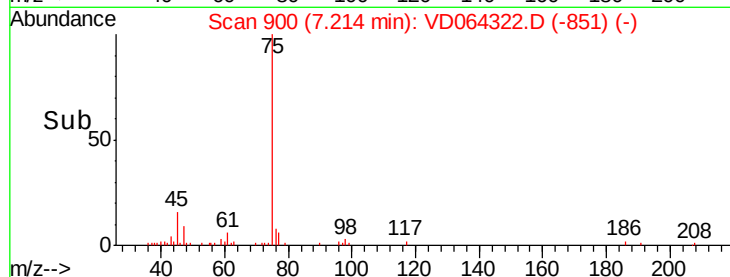
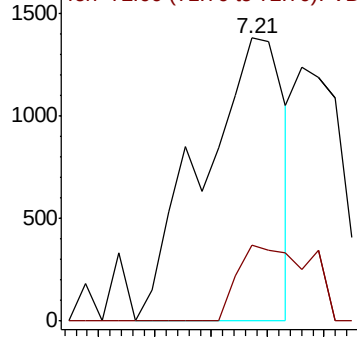
Ion Ratio Lower Upper

43 100

72 49.1 20.6 30.8#



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



#29

Tetrahydrofuran

Concen: 1.138 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD064322.D

Acq: 21 Nov 2019 13:58

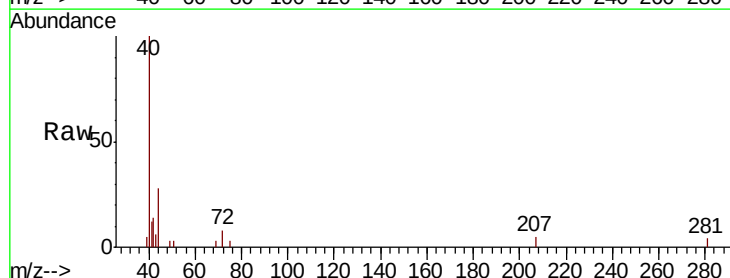
Tgt Ion: 42 Resp: 1796

Ion Ratio Lower Upper

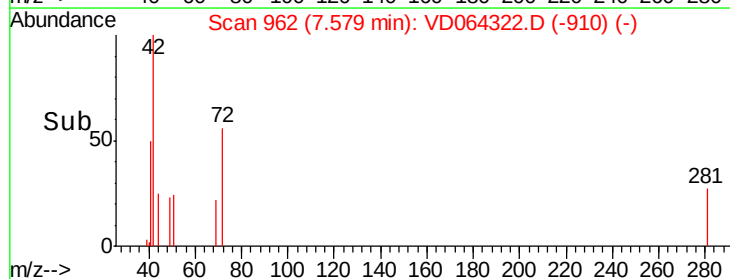
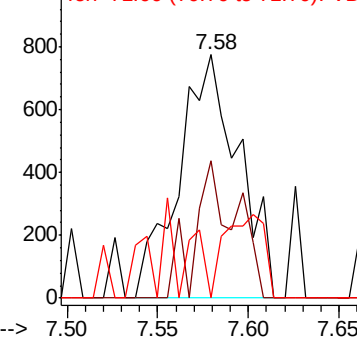
42 100

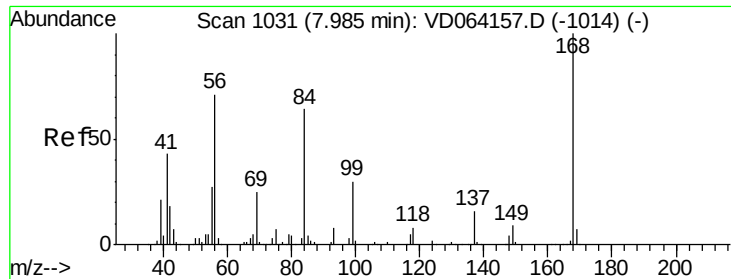
72 38.1 33.4 50.2

71 0.0 31.0 46.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

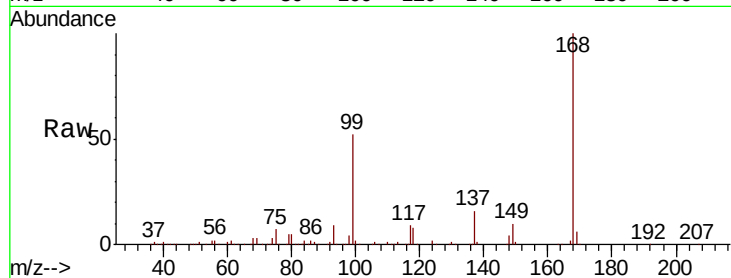




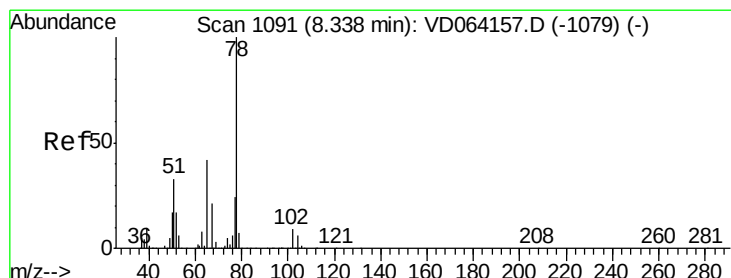
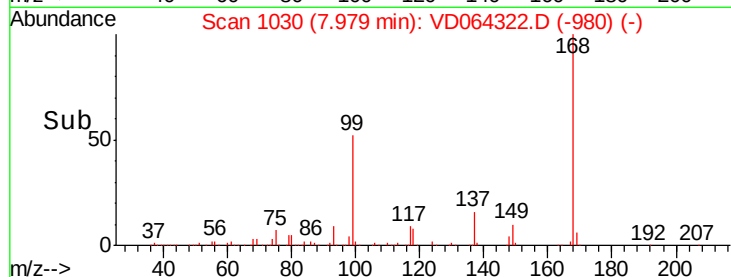
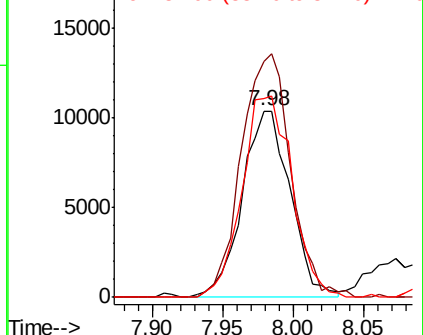
#31
Cyclohexane
Concen: 1.474 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 24832
Ion Ratio Lower Upper
56 100
69 126.5 28.2 42.4#
84 106.4 71.8 107.6

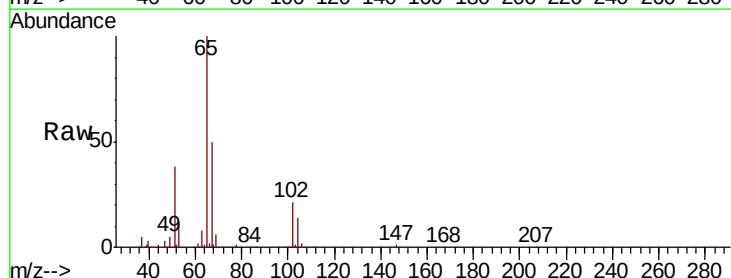


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

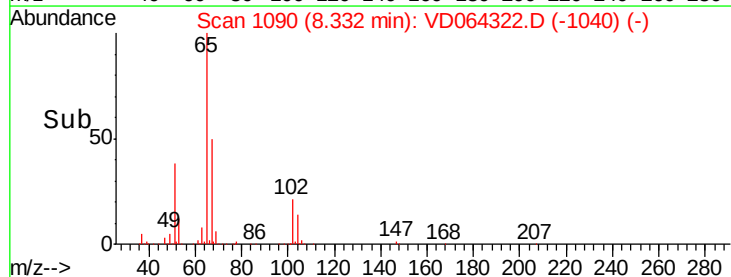
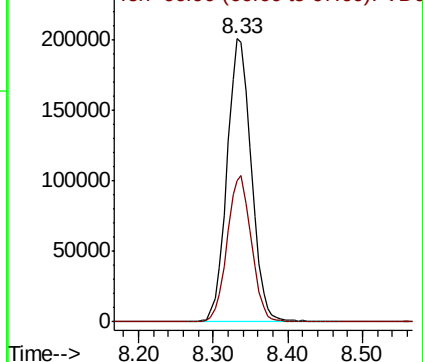


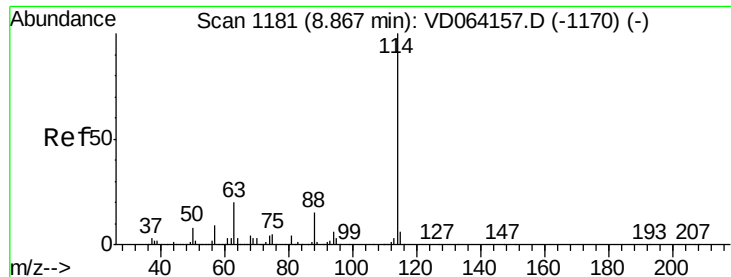
#33
1,2-Dichloroethane-d4
Concen: 53.167 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

Tgt Ion: 65 Resp: 456370
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4



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

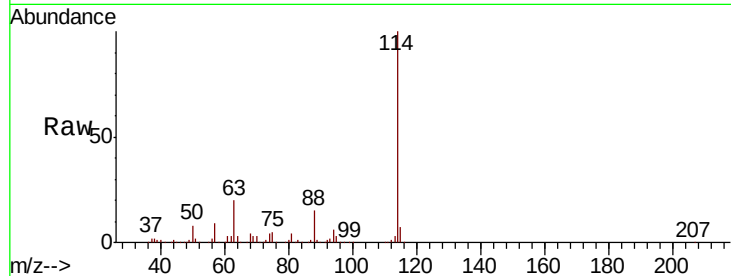




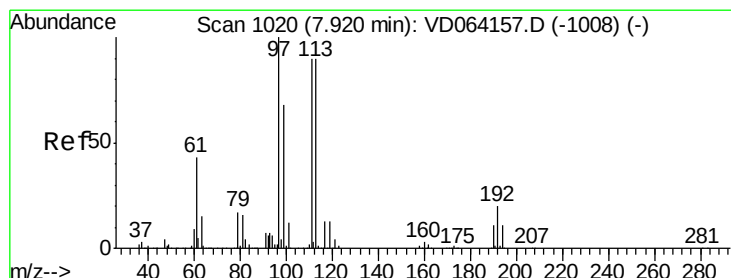
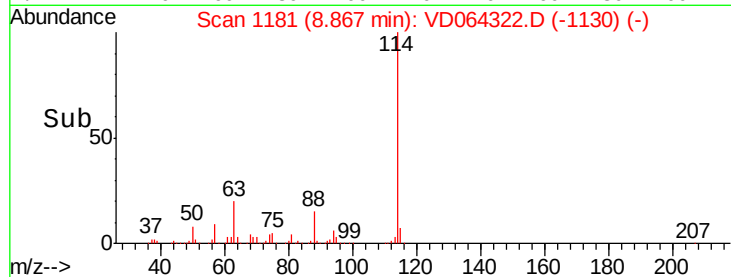
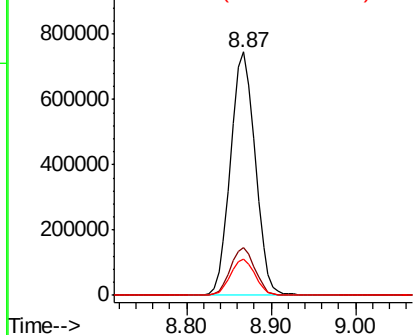
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064322.D
 Acq: 21 Nov 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1499379
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 14.8 0.0 30.2

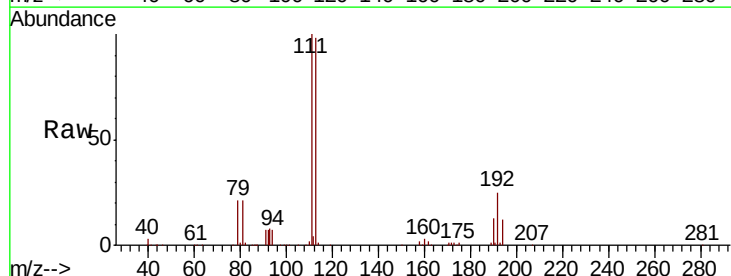


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

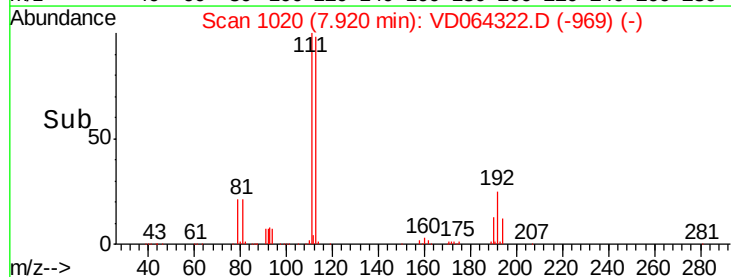
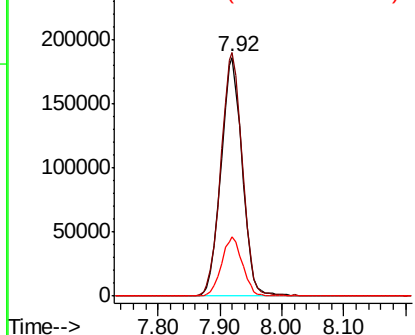


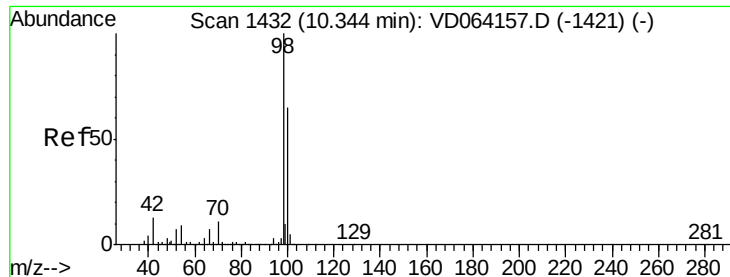
#35
 Dibromofluoromethane
 Concen: 51.799 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064322.D
 Acq: 21 Nov 2019 13:58

Tgt Ion:113 Resp: 445820
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 24.5 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

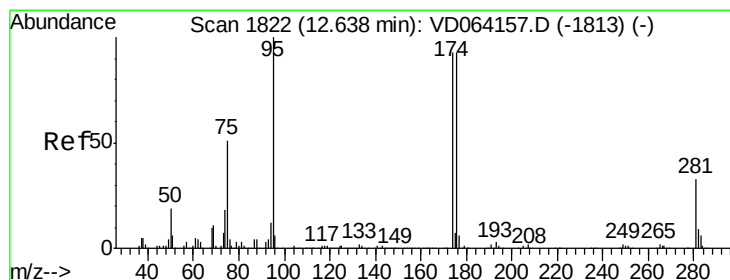
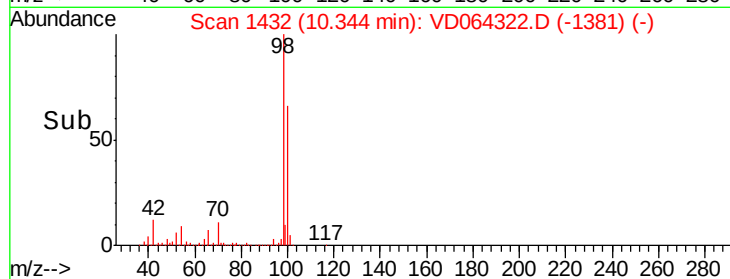
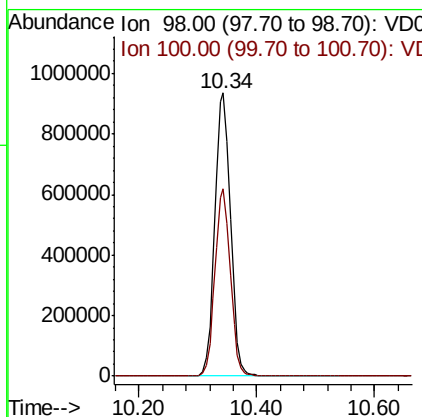
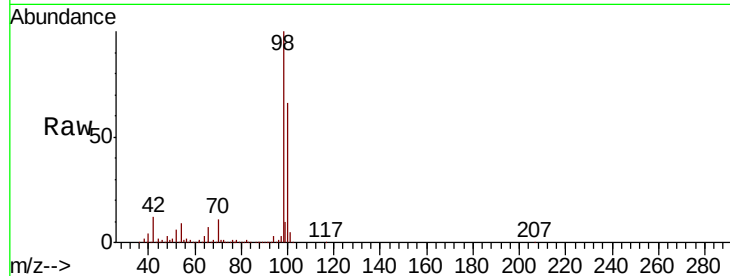




#50
Toluene-d8
Concen: 53.200 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

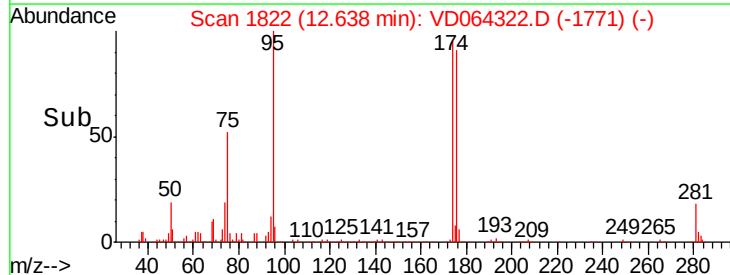
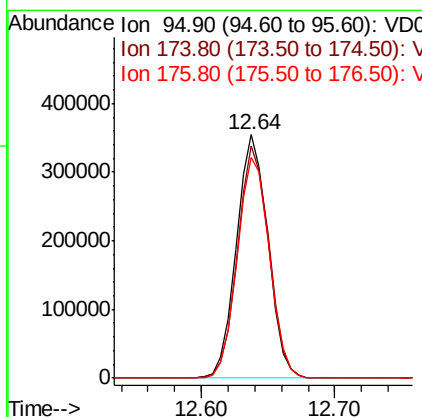
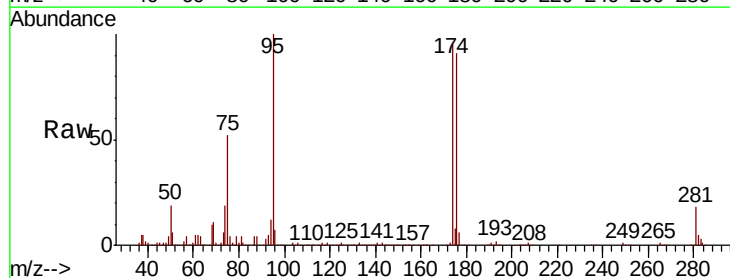
Instrument :
MSVOA_D
ClientSampleId :

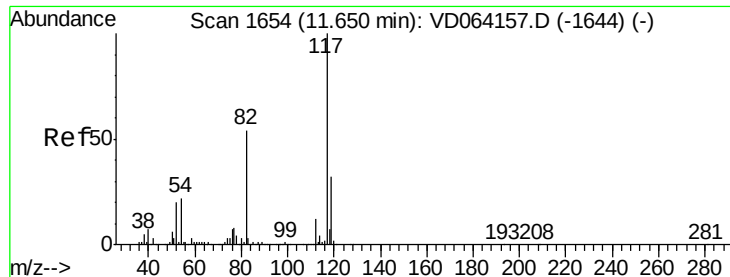
Tot Ion: 98 Resp: 1727316
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.208 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

Tgt Ion: 95 Resp: 575779
Ion Ratio Lower Upper
95 100
174 95.8 0.0 183.6
176 92.8 0.0 180.2

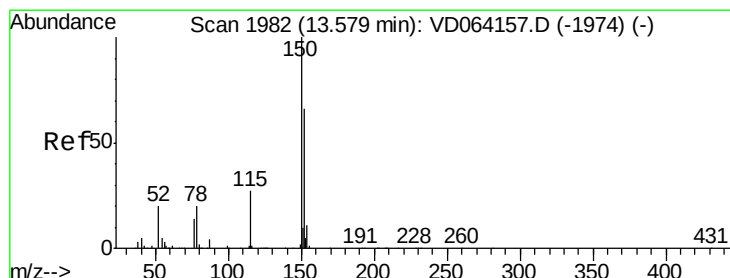
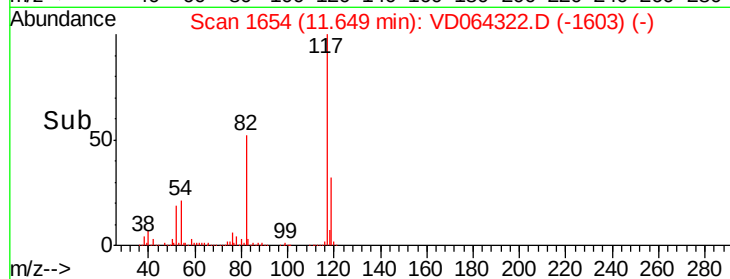
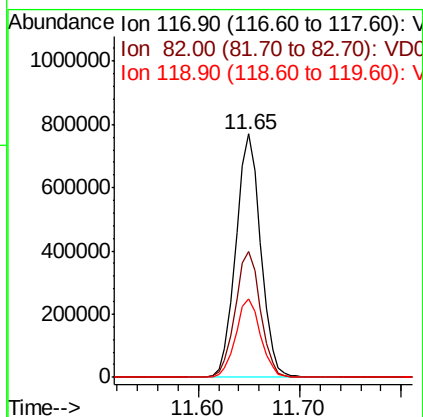
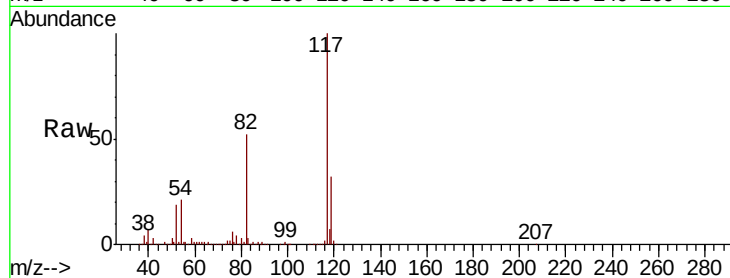




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

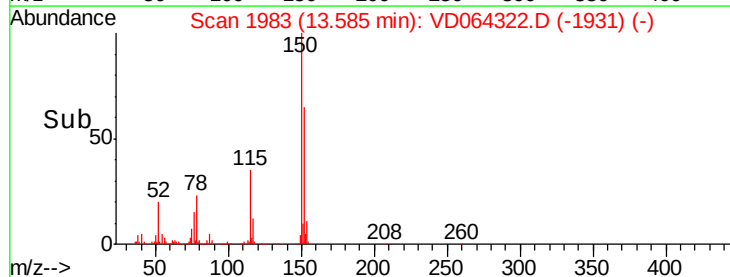
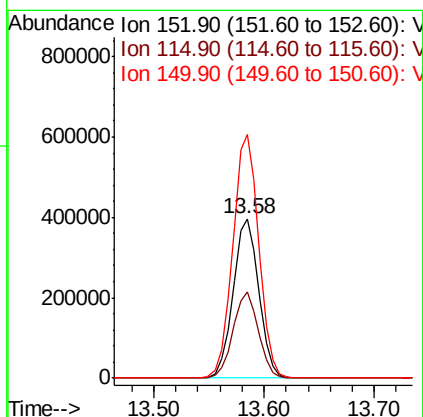
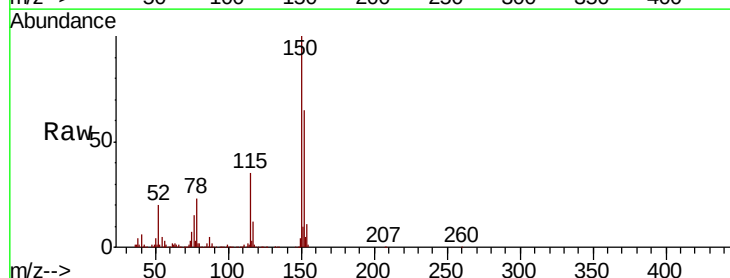
Instrument :
MSVOA_D
ClientSampleId :

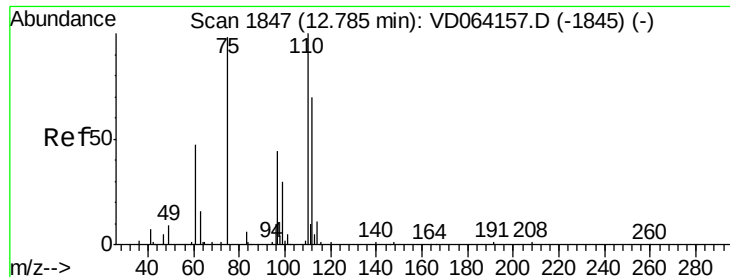
Tot Ion:117 Resp: 1307992
Ion Ratio Lower Upper
117 100
82 51.5 42.8 64.2
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064322.D
Acq: 21 Nov 2019 13:58

Tgt Ion:152 Resp: 646387
Ion Ratio Lower Upper
152 100
115 53.6 27.4 82.2
150 154.2 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 56.799 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064322.D

Acq: 21 Nov 2019 13:58

Instrument :

MSVOA_D

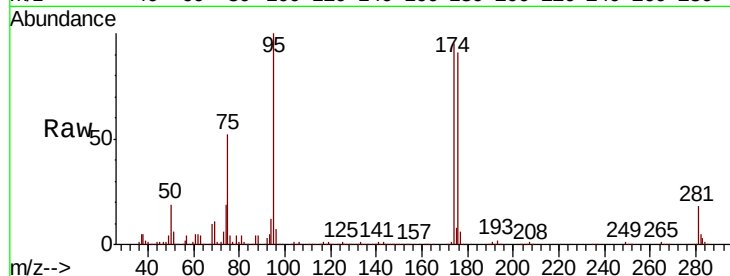
ClientSampled :

Tot Ion: 75 Resp: 295722

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

200000

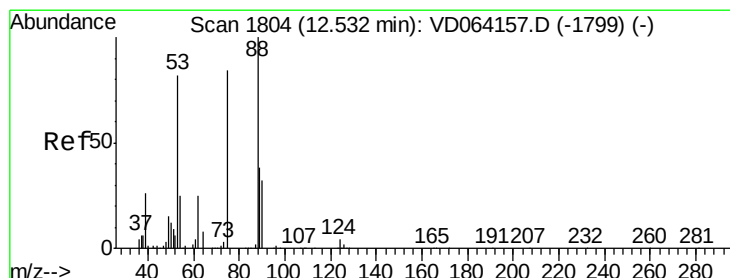
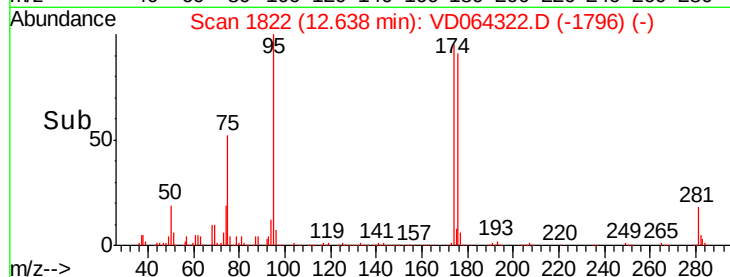
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.825 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064322.D

Acq: 21 Nov 2019 13:58

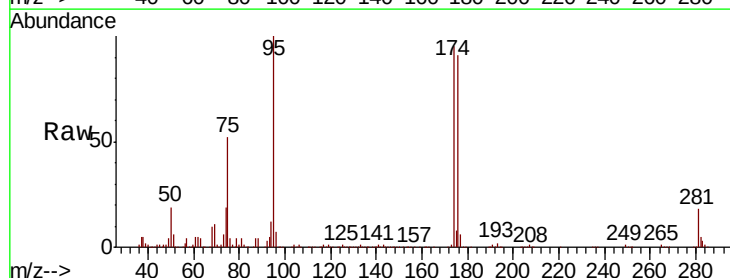
Tgt Ion: 75 Resp: 295722

Ion Ratio Lower Upper

75 100

53 0.1 79.4 119.0#

89 0.1 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

250000

200000

150000

100000

50000

0

Time-->

