

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064181.D
 Acq On : 11 Nov 2019 16:45
 Operator : VA/SY
 Sample : K5760-02
 Misc : 7.50G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:49:10 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	331248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	583845	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	611363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319767	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	236944	86.97	ug/l	0.00
Spiked Amount			Recovery	=	173.94%	
35) Dibromofluoromethane	7.92	113	198545	59.24	ug/l	0.00
Spiked Amount			Recovery	=	118.48%	
50) Toluene-d8	10.34	98	701409	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	
62) 4-Bromofluorobenzene	12.64	95	300606	68.66	ug/l	0.00
Spiked Amount			Recovery	=	137.32%	

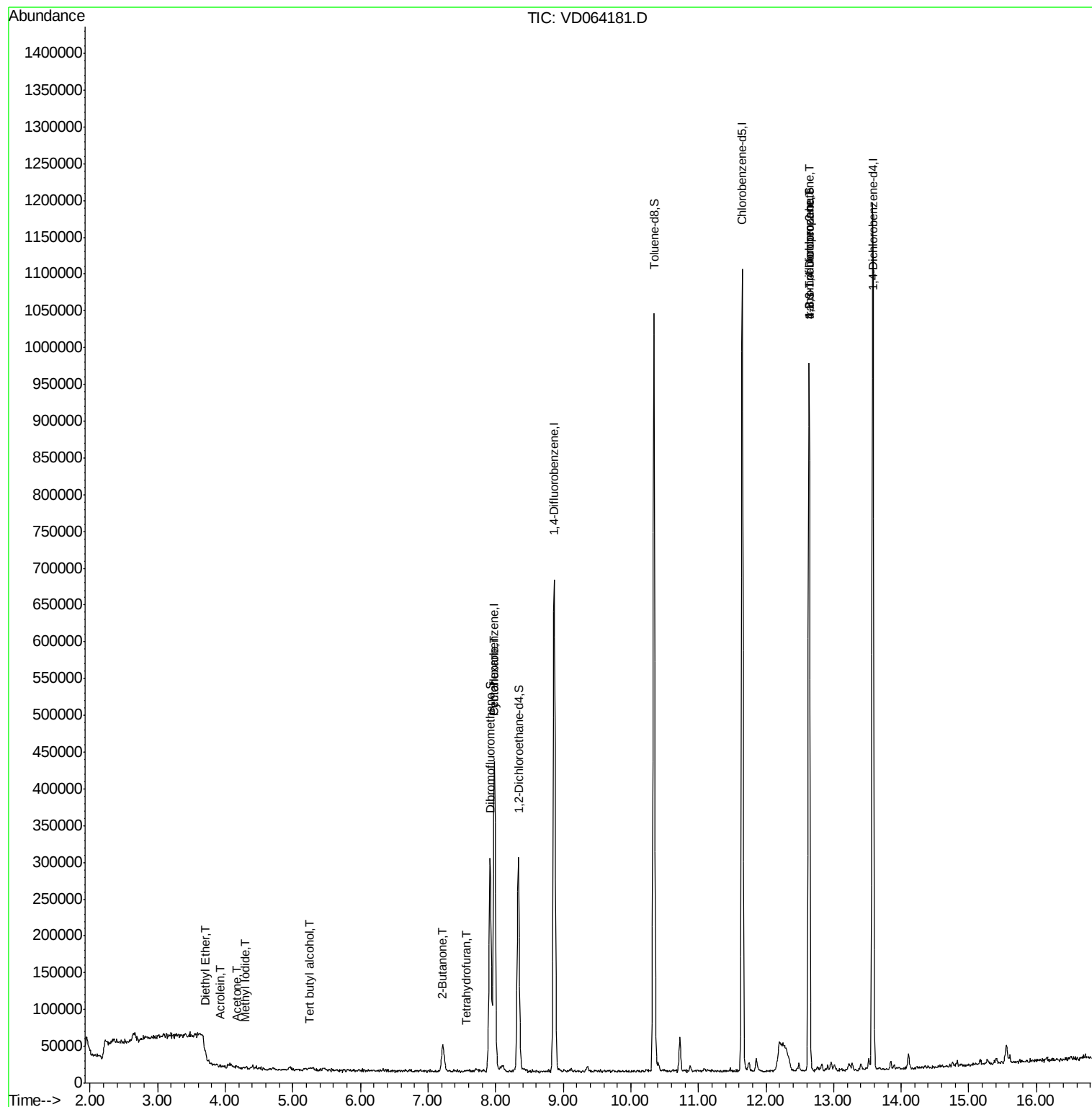
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	3538	2.519	ug/l	91
10) Methyl Iodide	4.30	142	967	2.310	ug/l #	41
11) Tert butyl alcohol	5.25	59	2096	11.015	ug/l #	43
13) Acrolein	3.92	56	415	2.578	ug/l #	37
16) Acetone	4.18	43	4042	6.263	ug/l #	86
25) 2-Butanone	7.22	43	1693	2.030	ug/l #	87
29) Tetrahydrofuran	7.57	42	1388	2.771	ug/l #	57
31) Cyclohexane	7.97	56	9720	1.818	ug/l #	55
76) 1,2,3-Trichloropropane	12.64	75	156640	60.816	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	156640	120.805	ug/l #	10

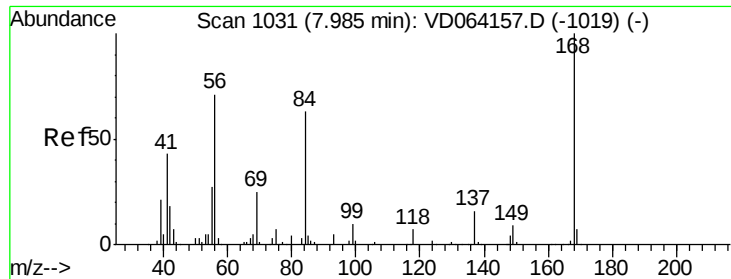
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064181.D

Acq: 11 Nov 2019 16:45

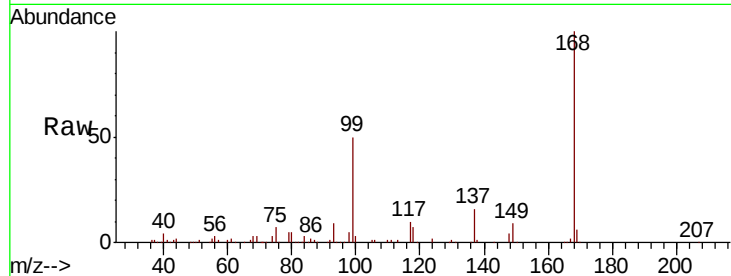
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 331248

Ion Ratio Lower Upper

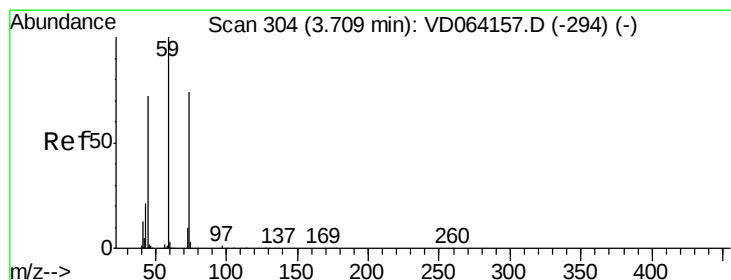
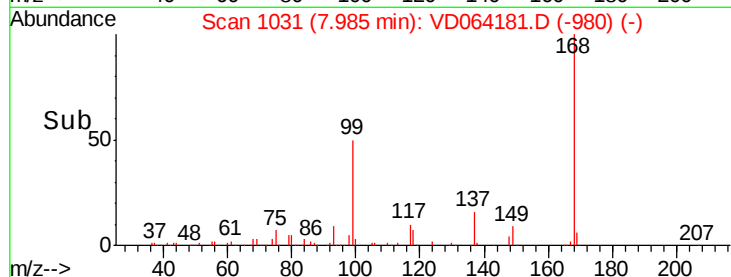
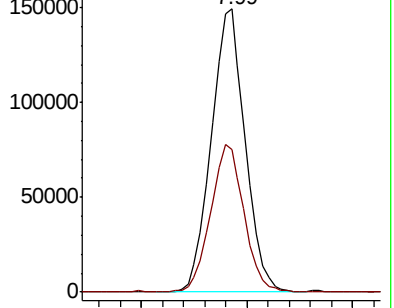
168 100

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): VDC



#8

Diethyl Ether

Concen: 2.519 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064181.D

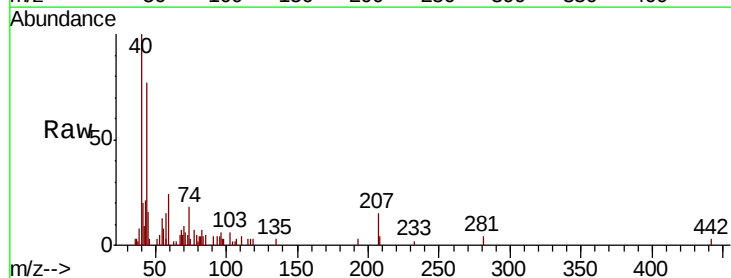
Acq: 11 Nov 2019 16:45

Tgt Ion: 74 Resp: 3538

Ion Ratio Lower Upper

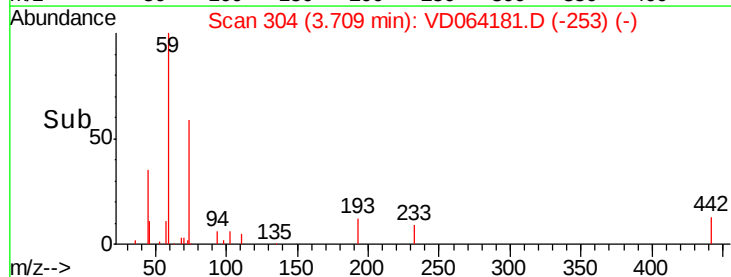
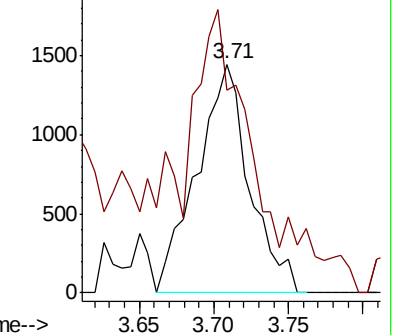
74 100

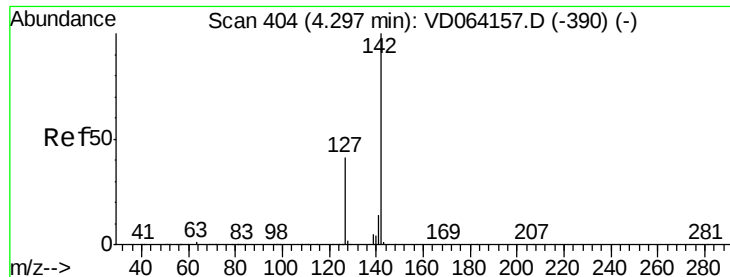
45 87.3 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

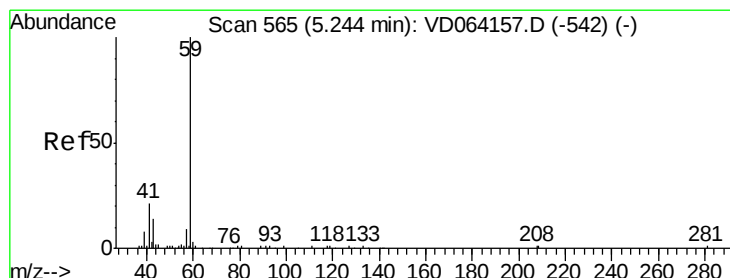
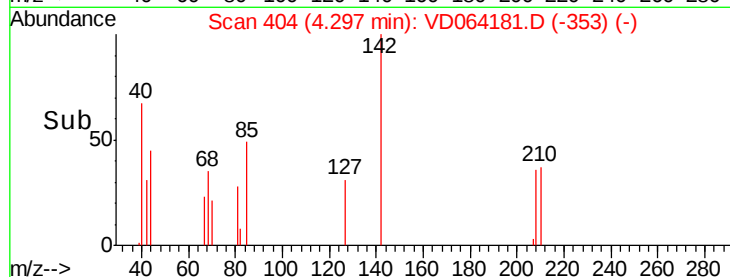
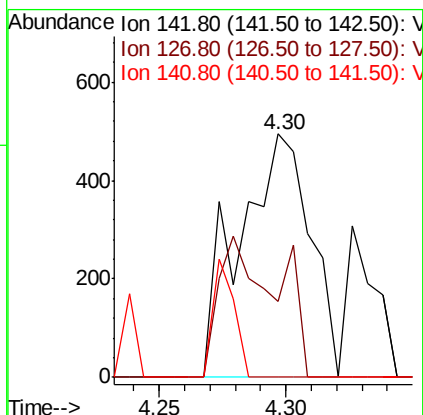
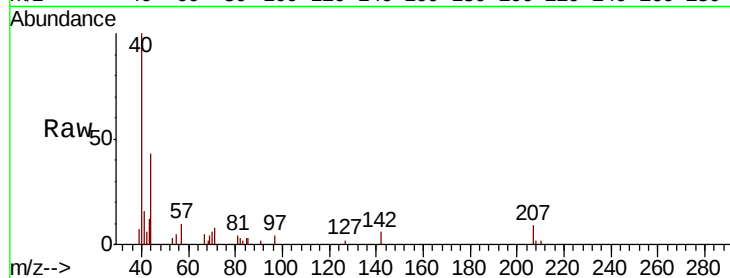




#10
Methyl Iodide
Concen: 2.310 ug/l
RT: 4.30 min Scan# 404
Delta R.T. 0.00 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

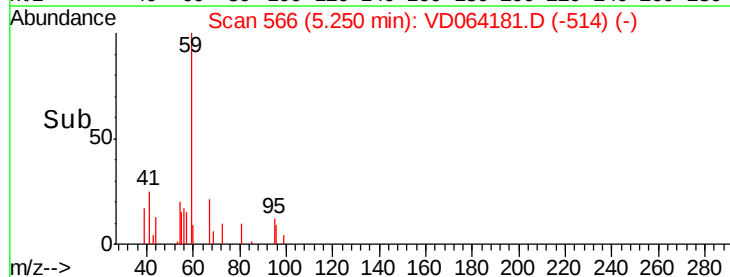
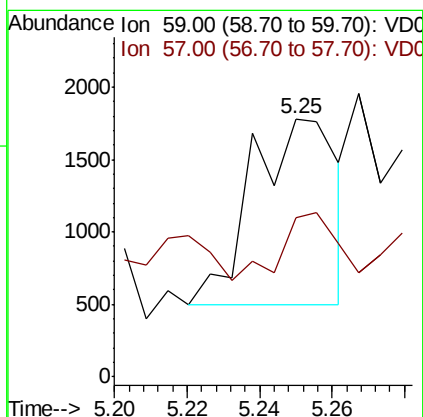
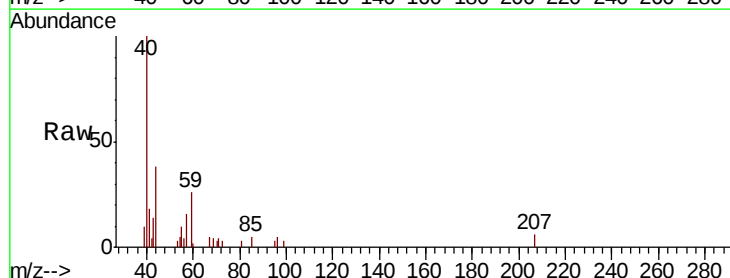
Instrument :
MSVOA_D
ClientSampled :

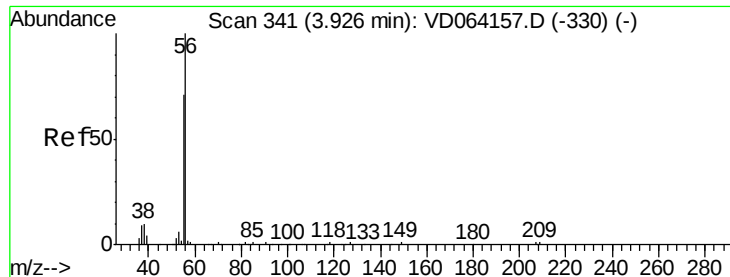
Tot Ion:142 Resp: 967
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 11.015 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

Tgt Ion: 59 Resp: 2096
Ion Ratio Lower Upper
59 100
57 33.8 9.4 14.2#





#13

Acrolein

Concen: 2.578 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064181.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA_D

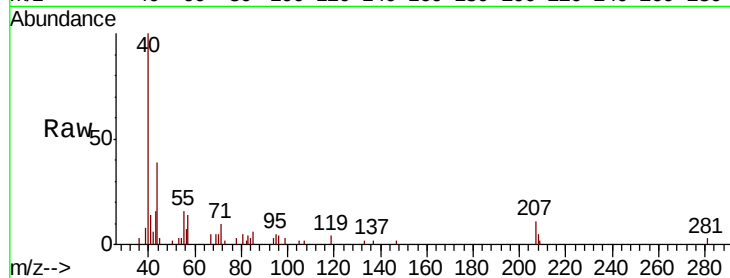
ClientSampleId :

Tot Ion: 56 Resp: 415

Ion Ratio Lower Upper

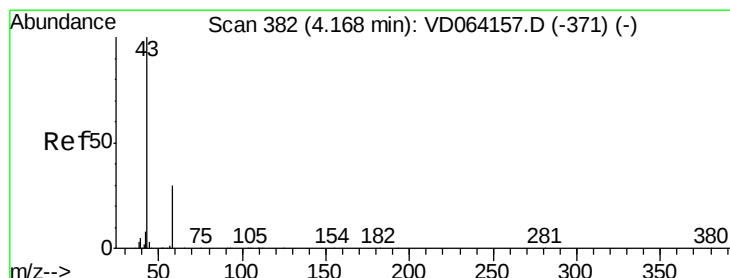
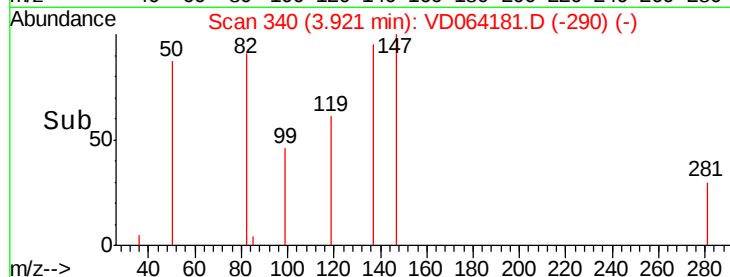
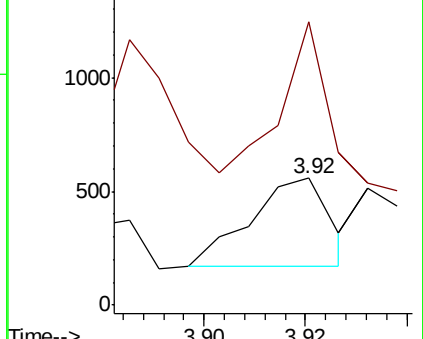
56 100

55 121.7 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 6.263 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064181.D

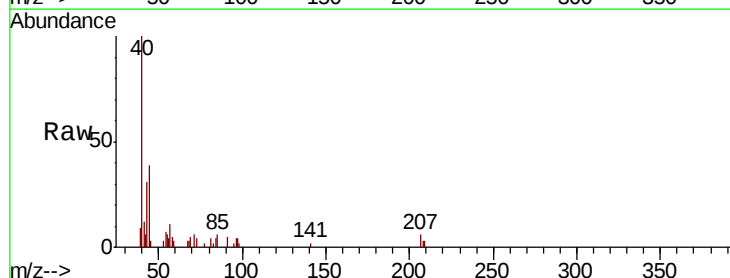
Acq: 11 Nov 2019 16:45

Tgt Ion: 43 Resp: 4042

Ion Ratio Lower Upper

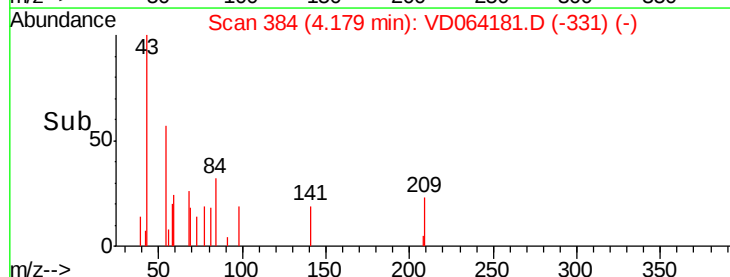
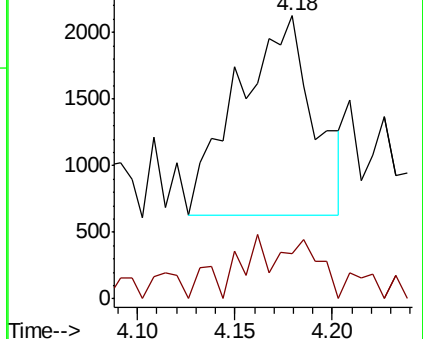
43 100

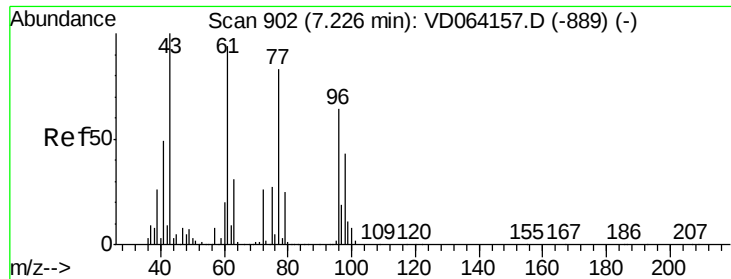
58 22.6 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

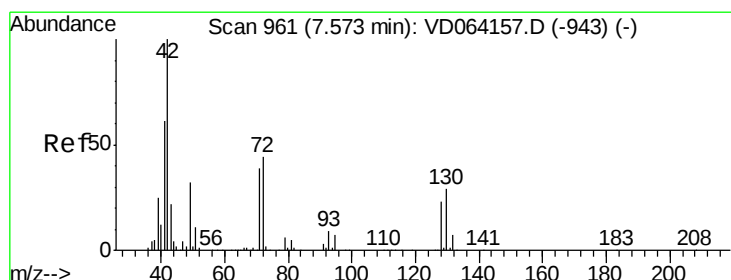
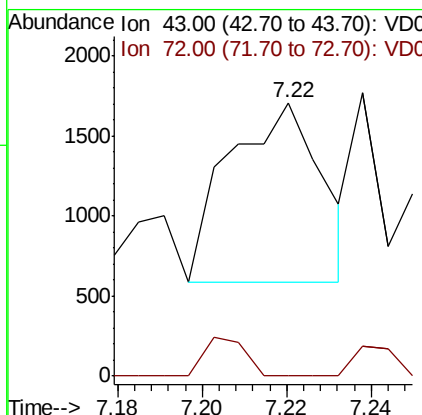
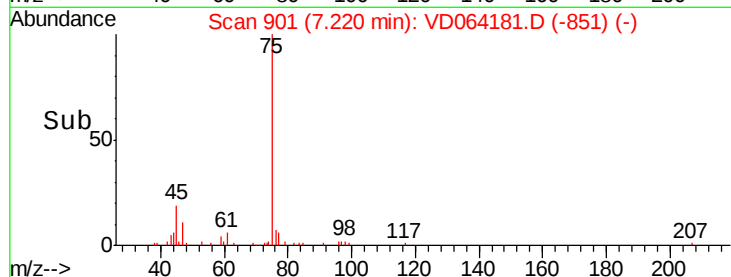
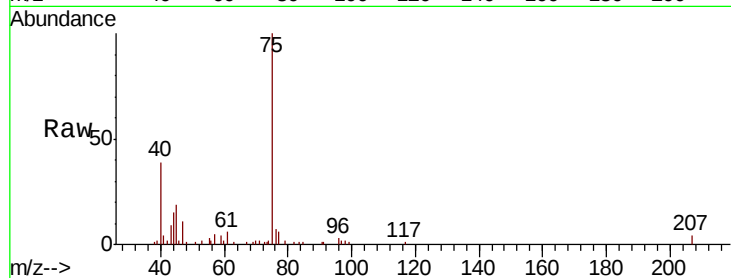




#25
2-Butanone
Concen: 2.030 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

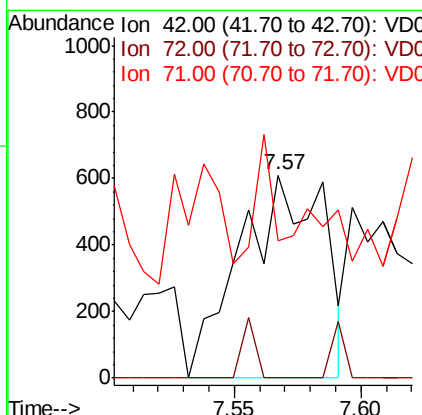
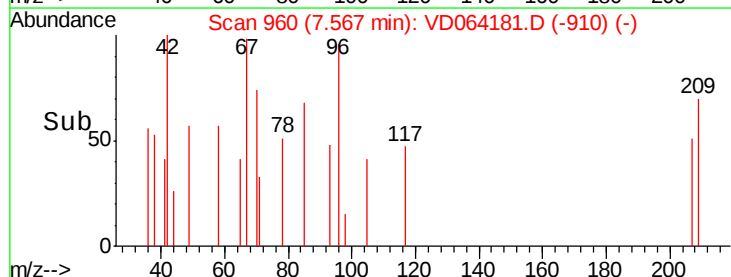
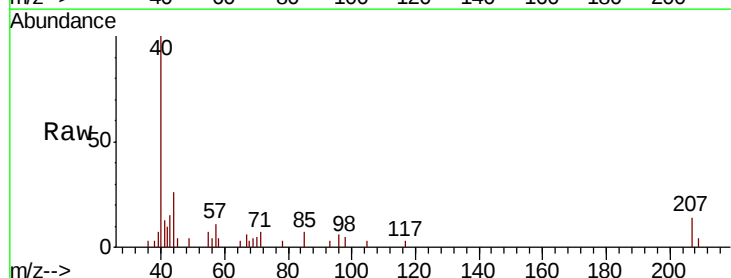
Instrument :
MSVOA_D
ClientSampled :

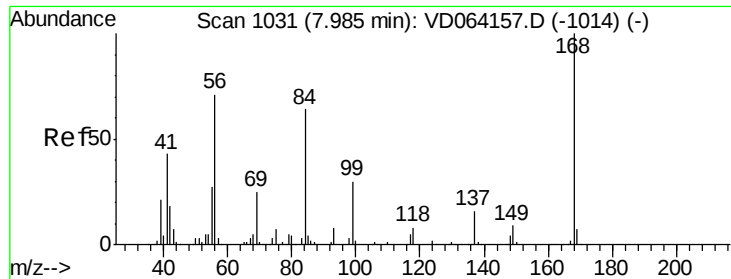
Tot Ion: 43 Resp: 1693
Ion Ratio Lower Upper
43 100
72 18.9 20.6 30.8#



#29
Tetrahydrofuran
Concen: 2.771 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

Tgt Ion: 42 Resp: 1388
Ion Ratio Lower Upper
42 100
72 4.7 33.4 50.2#
71 22.5 31.0 46.4#

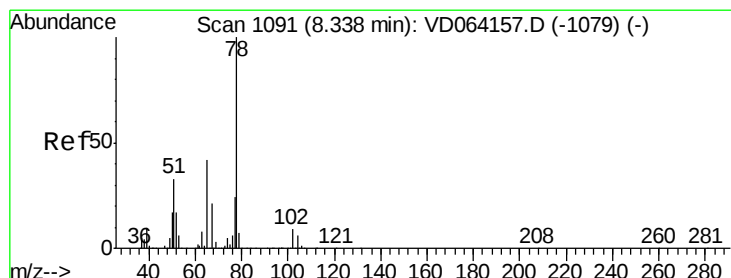
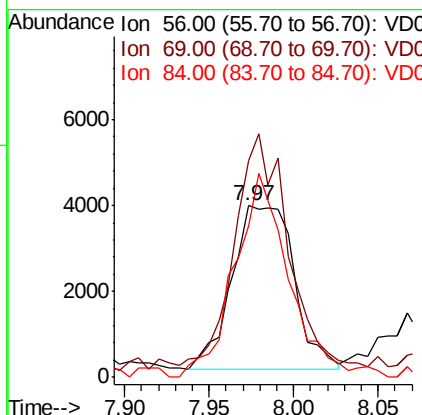
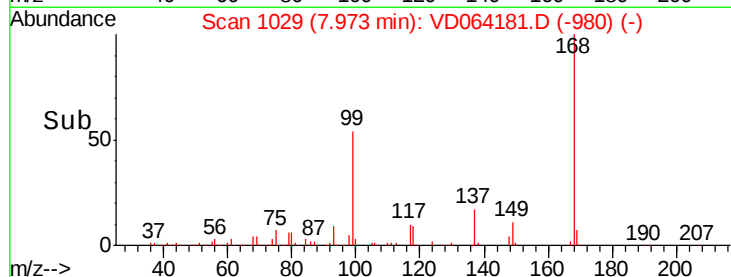
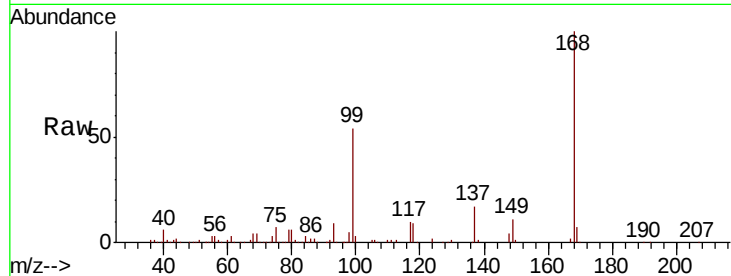




#31
Cyclohexane
Concen: 1.818 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

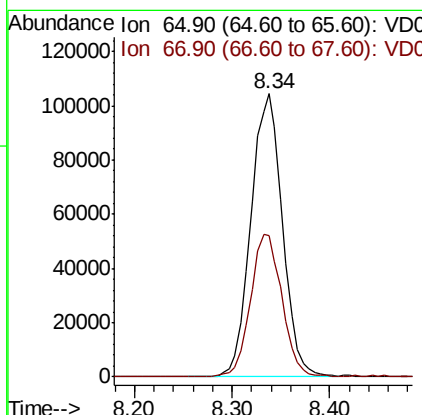
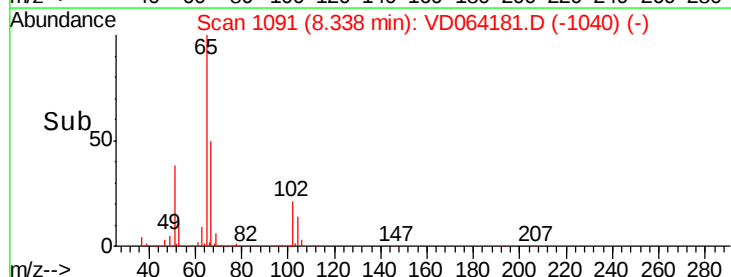
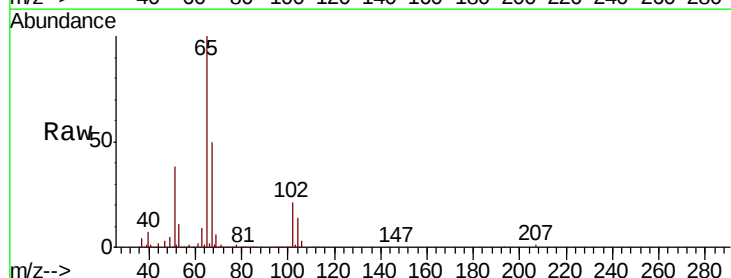
Instrument :
MSVOA_D
ClientSampleId :

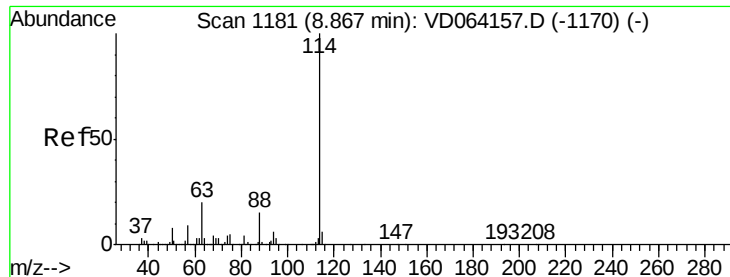
Tot Ion: 56 Resp: 9720
Ion Ratio Lower Upper
56 100
69 121.9 28.2 42.4#
84 85.9 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 86.974 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

Tgt Ion: 65 Resp: 236944
Ion Ratio Lower Upper
65 100
67 50.5 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: VD064181.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA_D

ClientSampleId :

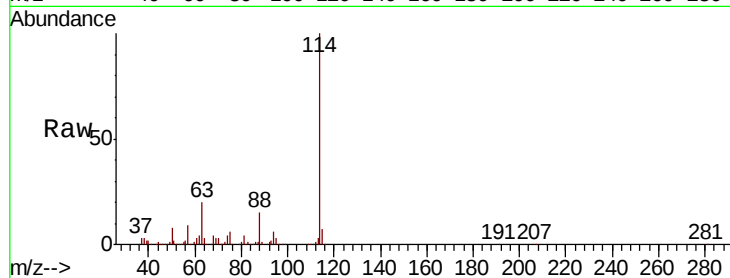
Tot Ion:114 Resp: 583845

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

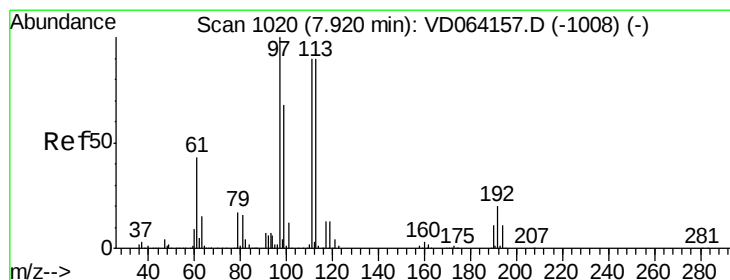
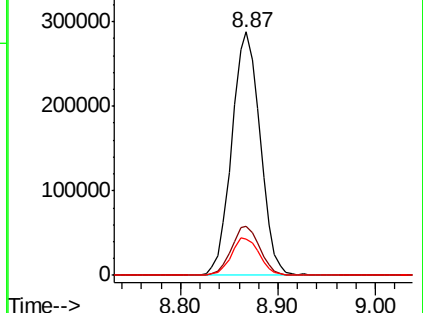
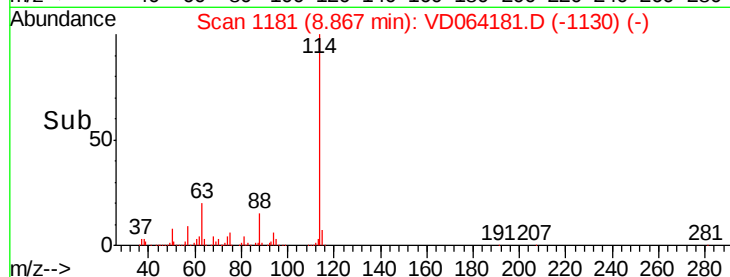
88 14.9 0.0 30.2



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: 59.243 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064181.D

Acq: 11 Nov 2019 16:45

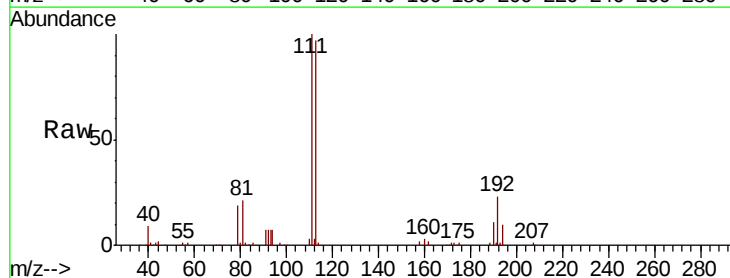
Tgt Ion:113 Resp: 198545

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

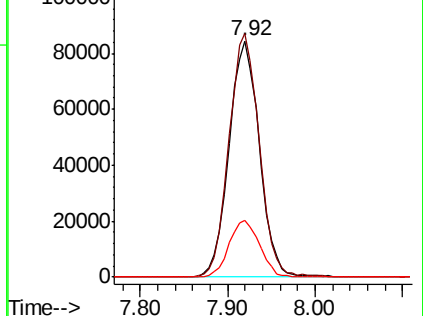
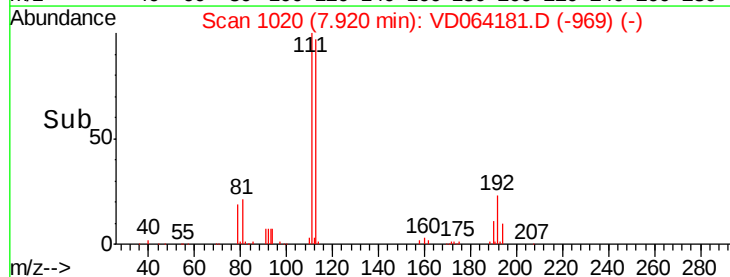
192 24.2 18.8 28.2

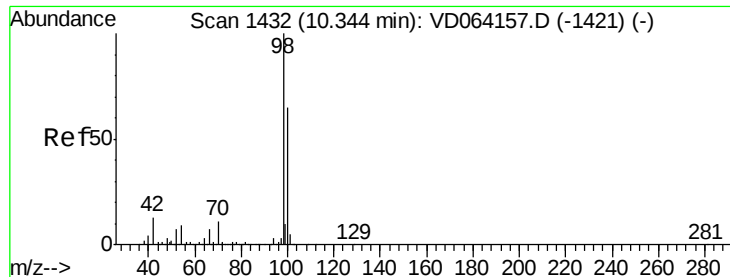


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

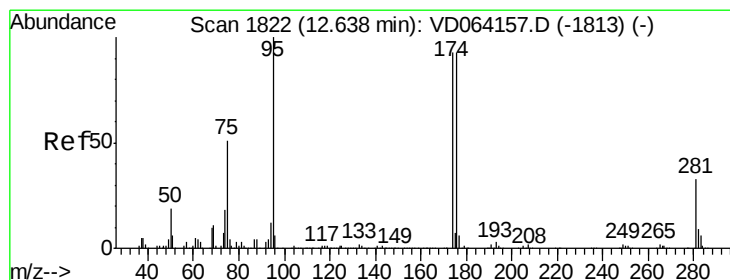
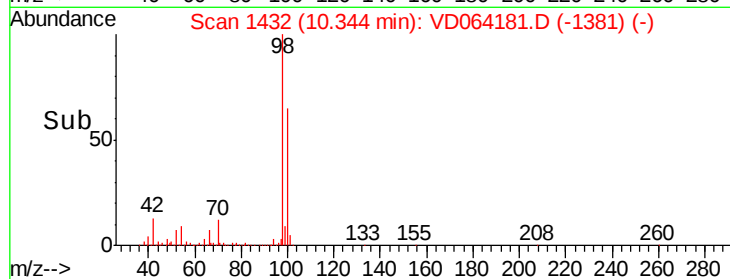
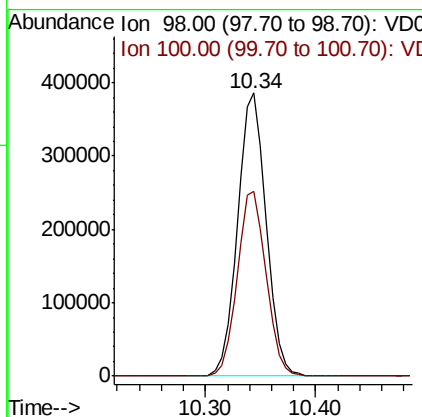
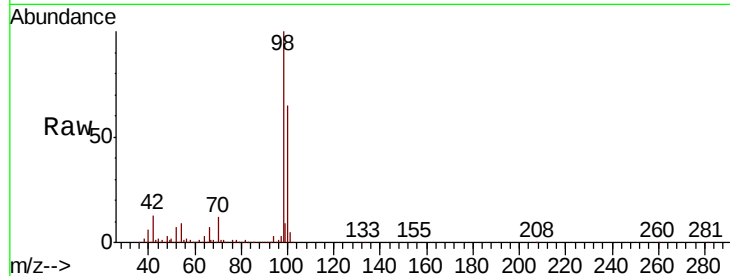




#50
Toluene-d8
Concen: 55.479 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

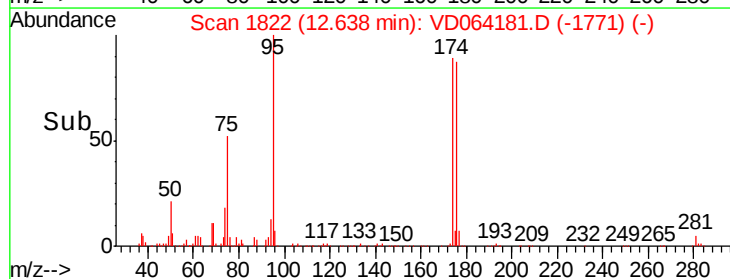
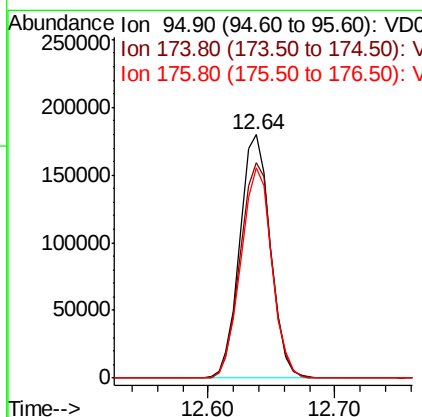
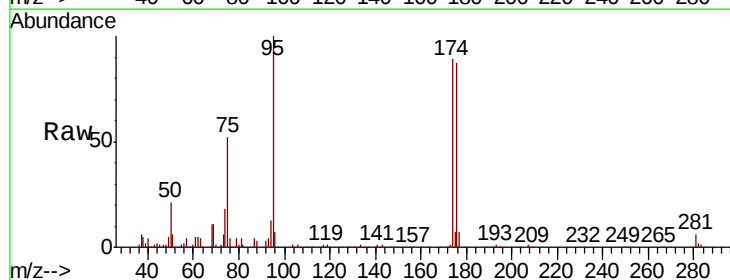
Instrument :
MSVOA_D
ClientSampleId :

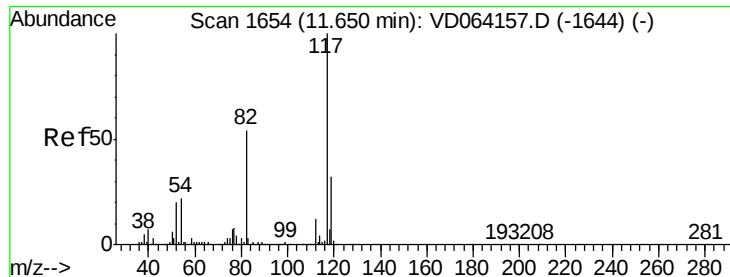
Tot Ion: 98 Resp: 701409
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 68.658 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

Tgt Ion: 95 Resp: 300606
Ion Ratio Lower Upper
95 100
174 91.6 0.0 183.6
176 87.8 0.0 180.2

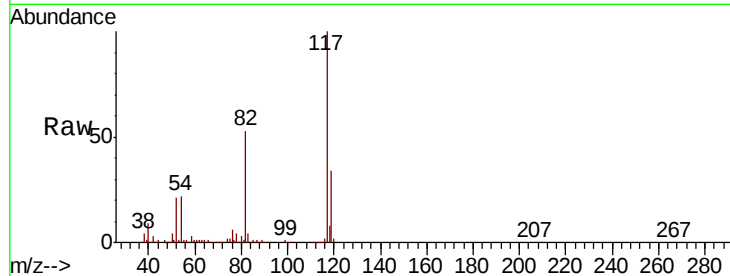




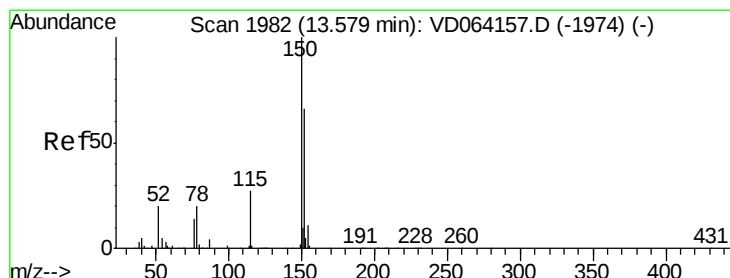
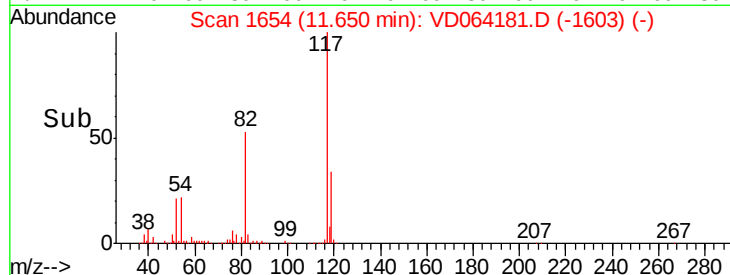
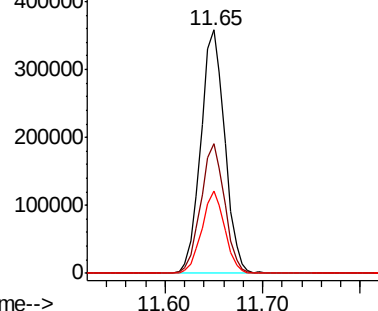
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 611363
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 33.6 25.6 38.4

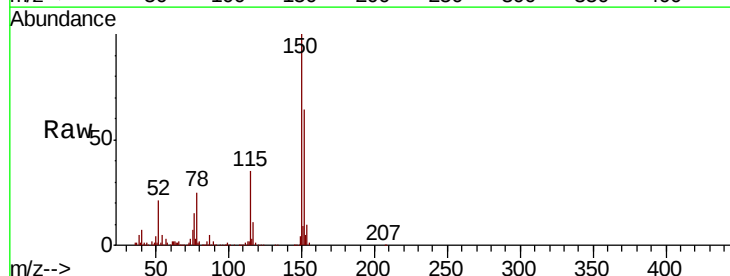


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

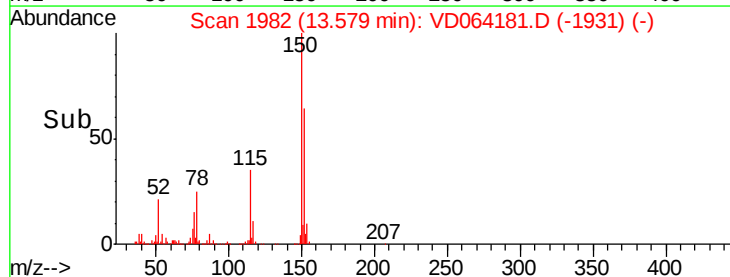
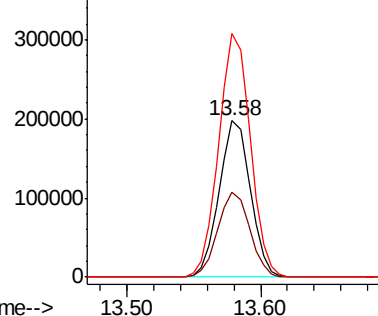


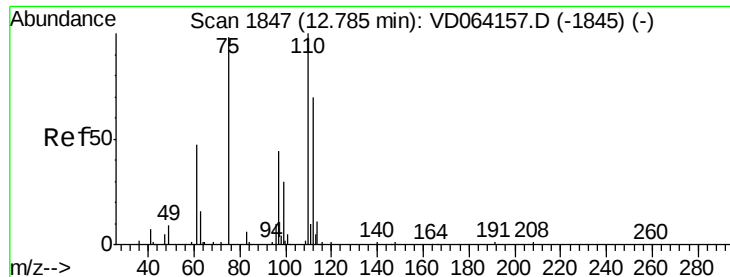
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064181.D
Acq: 11 Nov 2019 16:45

Tgt Ion:152 Resp: 319767
Ion Ratio Lower Upper
152 100
115 55.3 27.4 82.2
150 157.3 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: 60.816 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064181.D

Acq: 11 Nov 2019 16:45

Instrument :

MSVOA_D

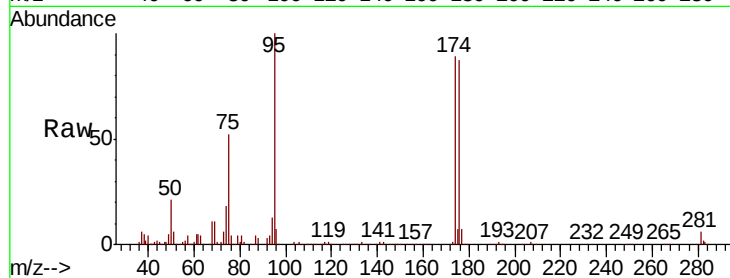
ClientSampleId :

Tot Ion: 75 Resp: 156640

Ion Ratio Lower Upper

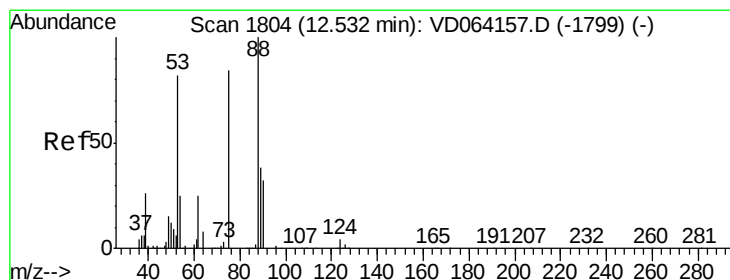
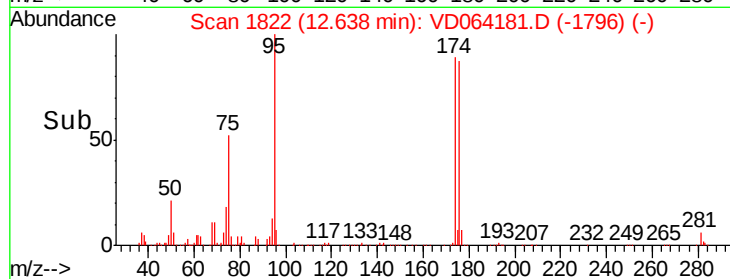
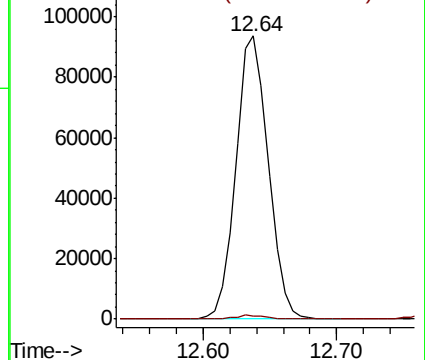
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 120.805 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064181.D

Acq: 11 Nov 2019 16:45

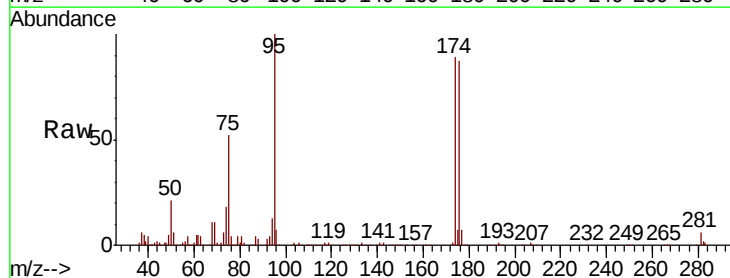
Tgt Ion: 75 Resp: 156640

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

