

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064182.D
 Acq On : 11 Nov 2019 17:14
 Operator : VA/SY
 Sample : K5760-07
 Misc : 5.90G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:49:22 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	540565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	912778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	906411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	440201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	296763	66.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.50%	
35) Dibromofluoromethane	7.91	113	293596	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
50) Toluene-d8	10.34	98	1104569	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	
62) 4-Bromofluorobenzene	12.64	95	423566	61.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.76%	

Target Compounds

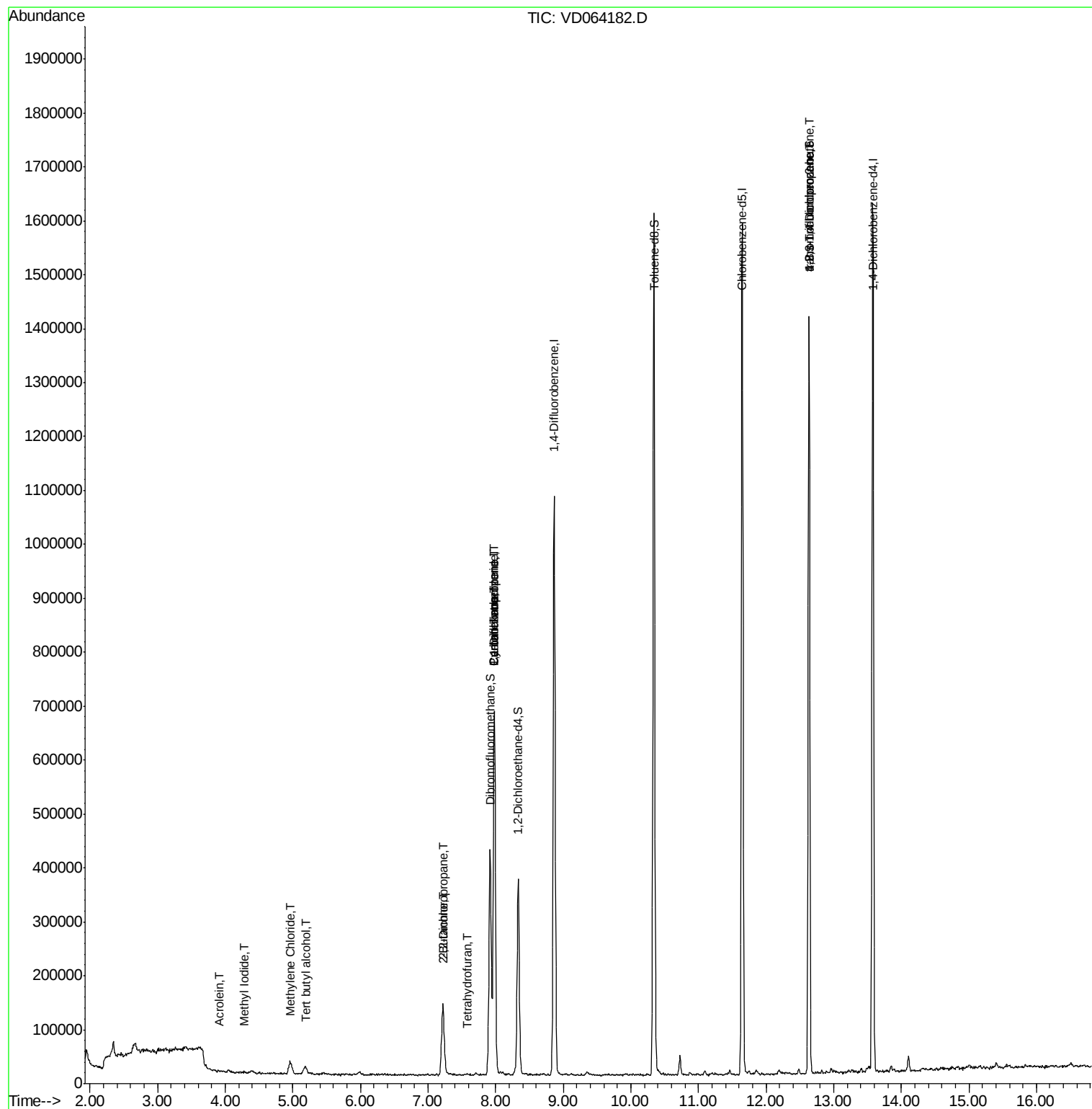
					Qvalue	
10) Methyl Iodide	4.27	142	663	2.148	ug/l #	76
11) Tert butyl alcohol	5.19	59	13308	42.857	ug/l #	86
13) Acrolein	3.90	56	430	1.637	ug/l	92
20) Methylene Chloride	4.96	84	17260	3.244	ug/l	93
25) 2-Butanone	7.23	43	8708	6.400	ug/l #	78
26) 2,2-Dichloropropane	7.21	77	9623	1.134	ug/l #	54
29) Tetrahydrofuran	7.58	42	1955	2.391	ug/l #	66
31) Cyclohexane	7.98	56	13026	1.493	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	38622	4.585	ug/l #	51
38) Carbon Tetrachloride	7.98	117	50489	5.601	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	223709	63.093	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	223709	125.328	ug/l #	10

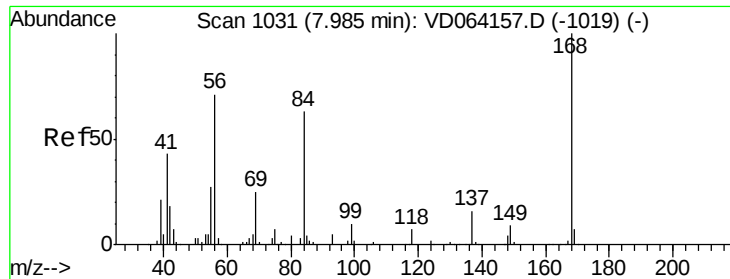
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 02:43:24 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064182.D

Acq: 11 Nov 2019 17:14

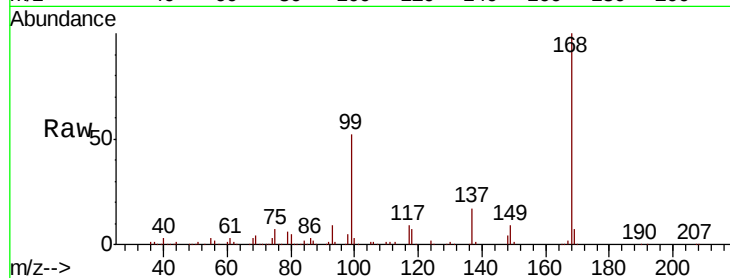
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 540565

Ion Ratio Lower Upper

168 100

99 51.9 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

250000

200000

150000

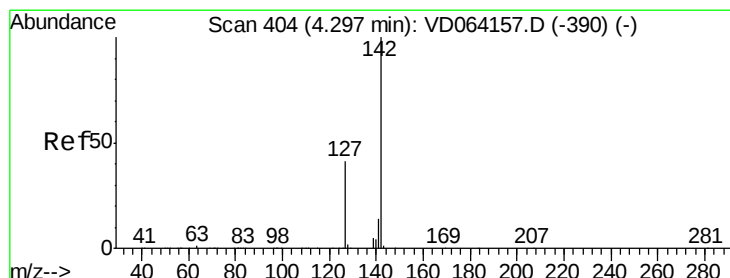
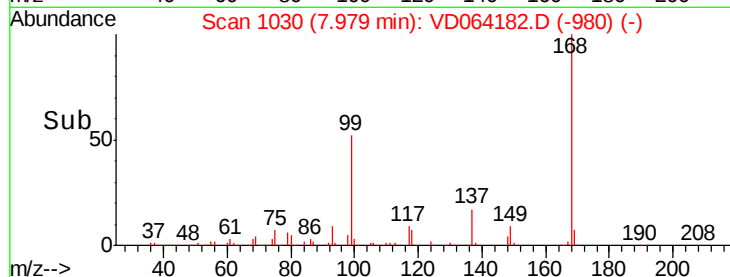
100000

50000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.148 ug/l

RT: 4.27 min Scan# 400

Delta R.T. -0.02 min

Lab File: VD064182.D

Acq: 11 Nov 2019 17:14

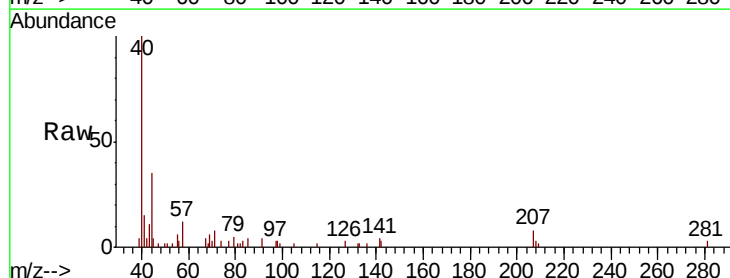
Tgt Ion:142 Resp: 663

Ion Ratio Lower Upper

142 100

127 56.0 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

4.27

600

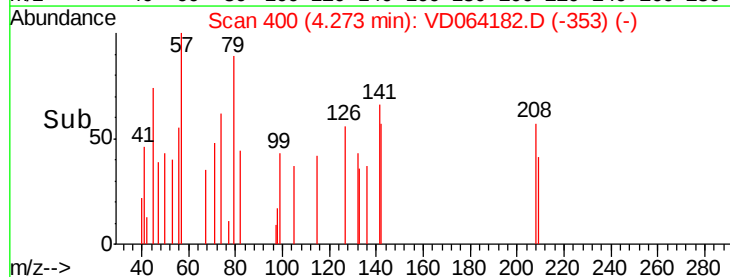
400

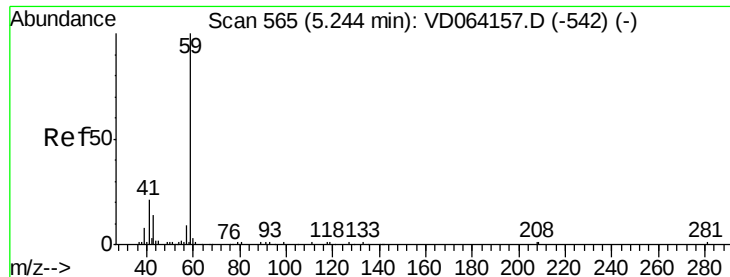
200

0

4.24 4.26 4.28

Time-->

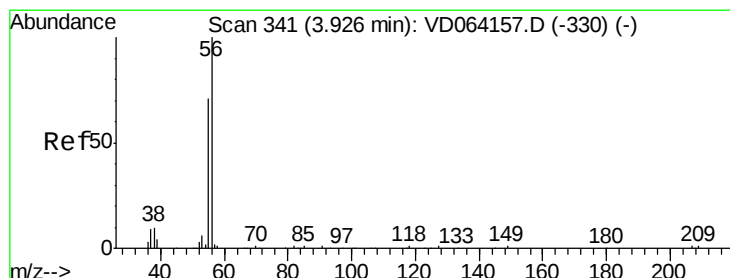
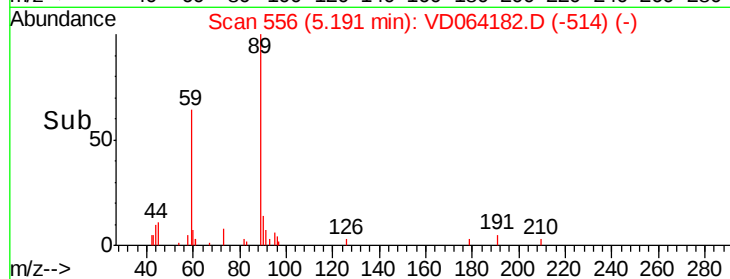
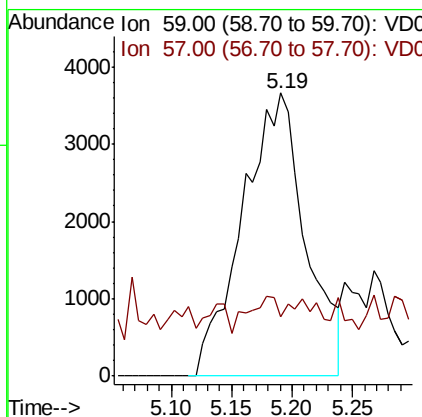
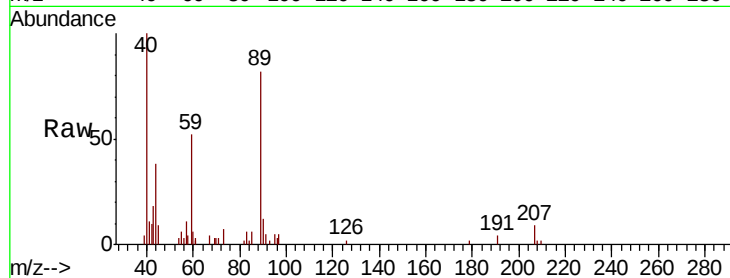




#11
Tert butyl alcohol
Concen: 42.857 ug/l
RT: 5.19 min Scan# 556
Delta R.T. -0.05 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

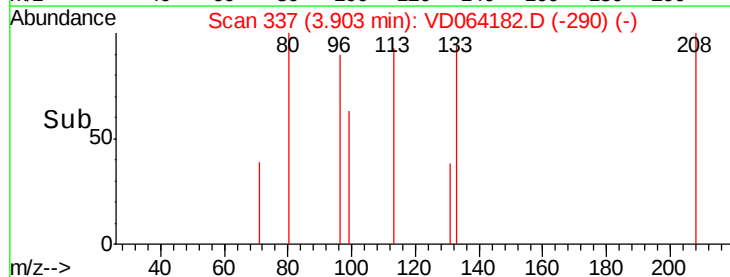
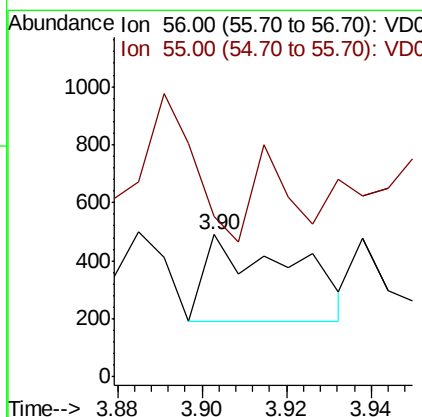
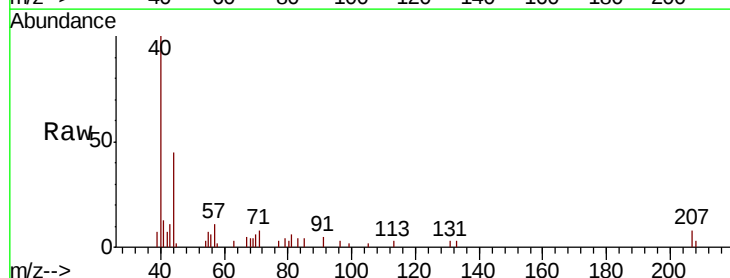
Instrument :
MSVOA_D
ClientSampleId :

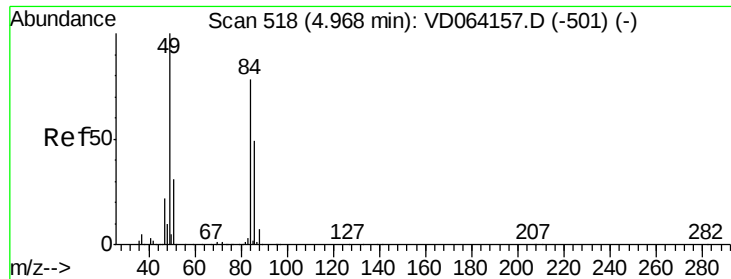
Tot Ion: 59 Resp: 13308
Ion Ratio Lower Upper
59 100
57 6.3 9.4 14.2#



#13
Acrolein
Concen: 1.637 ug/l
RT: 3.90 min Scan# 337
Delta R.T. -0.02 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

Tgt Ion: 56 Resp: 430
Ion Ratio Lower Upper
56 100
55 76.7 56.1 84.1

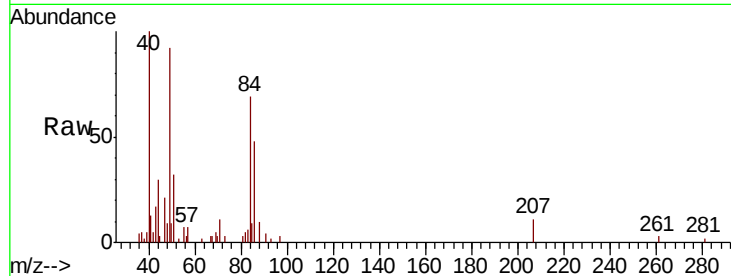




#20
Methylene Chloride
Concen: 3.244 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	84	Resp	17260
Ion Ratio	Lower	Upper	
84	100		
49	133.2	102.1	153.1
51	46.3	32.2	48.2
86	68.9	49.9	74.9



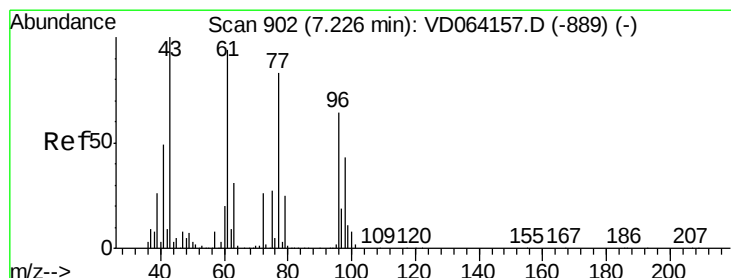
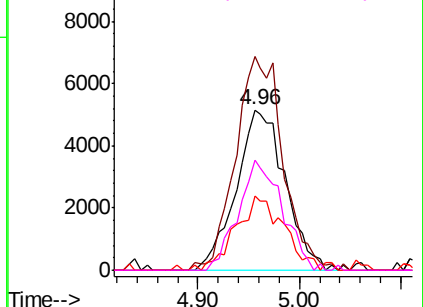
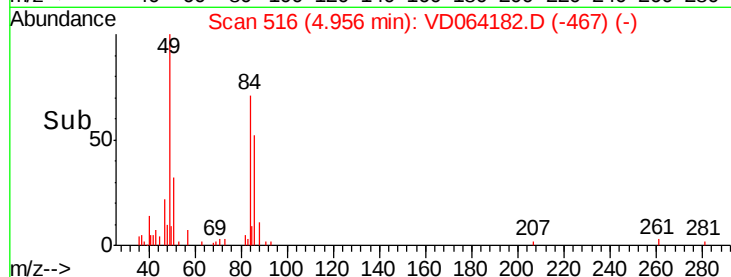
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

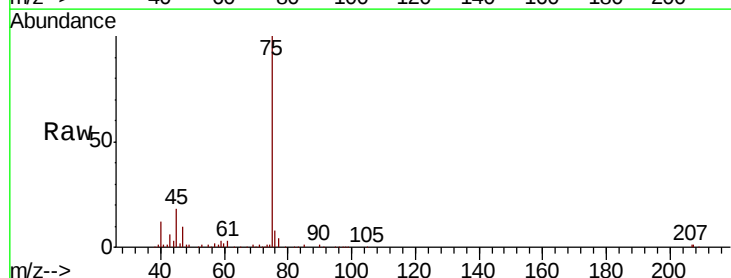
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 6.400 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

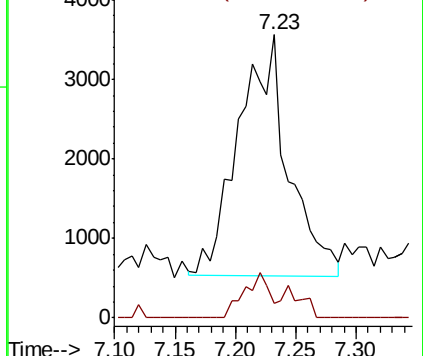
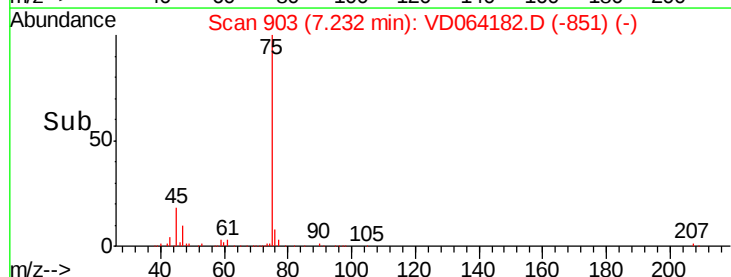
Tgt Ion	43	Resp	8708
Ion Ratio	Lower	Upper	
43	100		
72	14.4	20.6	30.8#

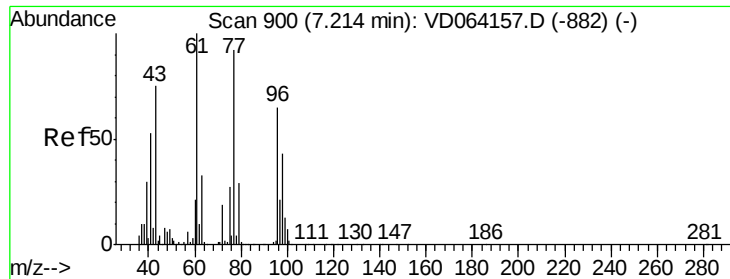


Abundance

Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

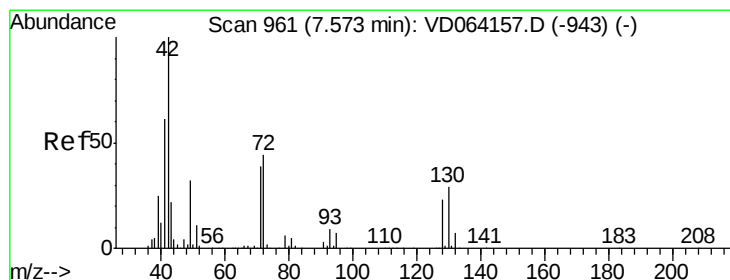
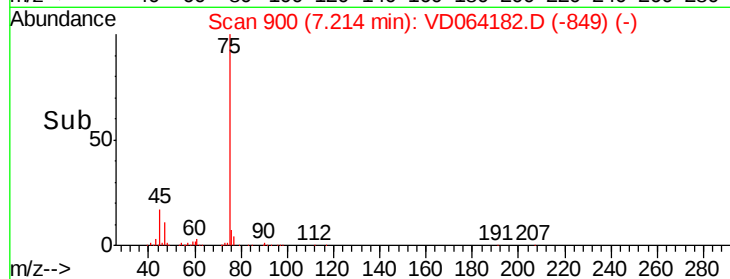
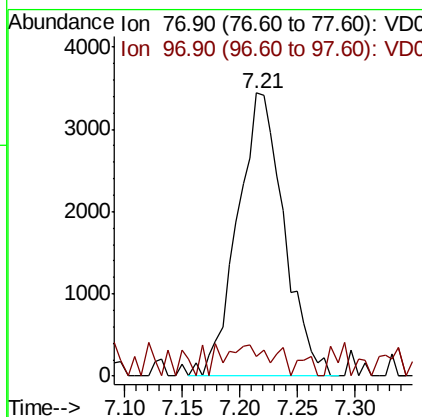
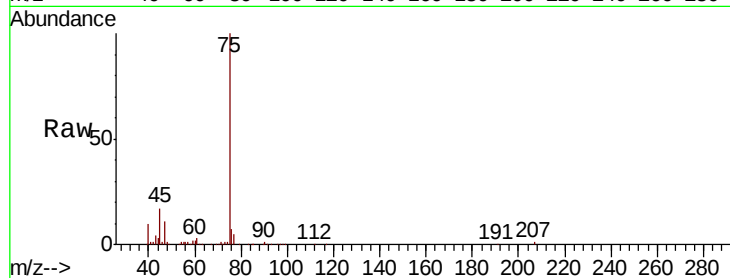




#26
 2,2-Dichloropropane
 Concen: 1.134 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064182.D
 Acq: 11 Nov 2019 17:14

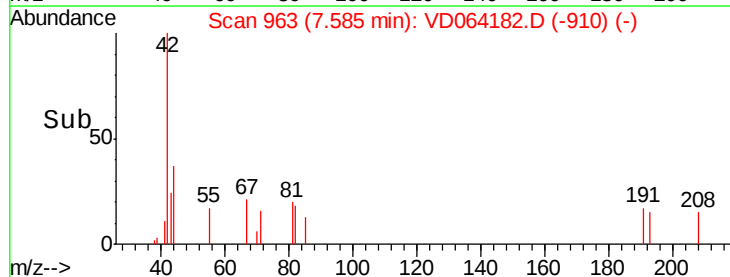
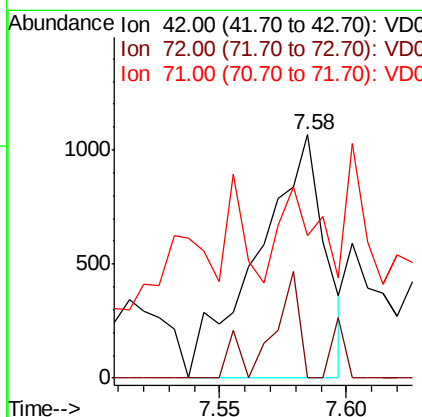
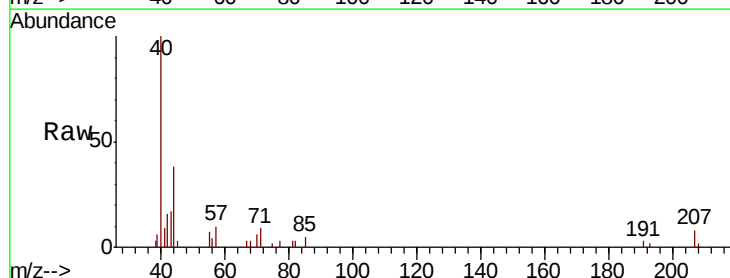
Instrument :
 MSVOA_D
 ClientSampleId :

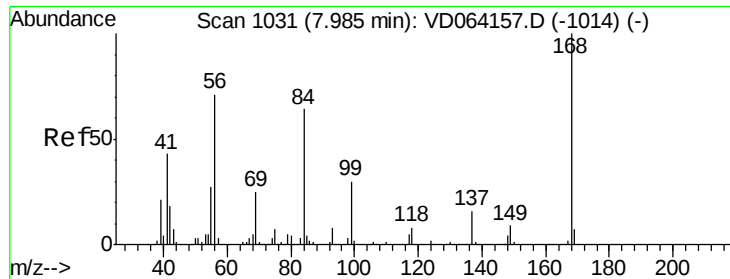
Tot Ion: 77 Resp: 9623
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.1 33.3#



#29
 Tetrahydrofuran
 Concen: 2.391 ug/l
 RT: 7.58 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD064182.D
 Acq: 11 Nov 2019 17:14

Tgt Ion: 42 Resp: 1955
 Ion Ratio Lower Upper
 42 100
 72 14.9 33.4 50.2#
 71 23.6 31.0 46.4#

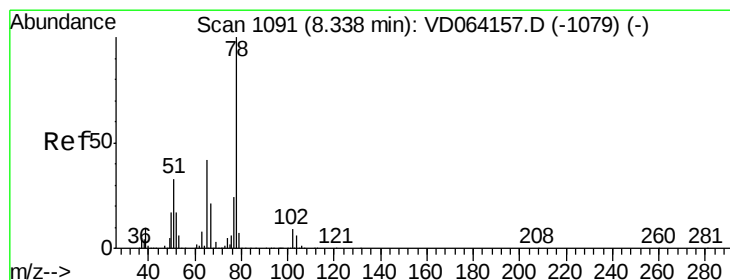
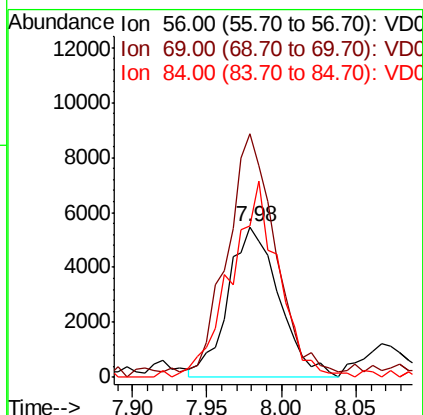
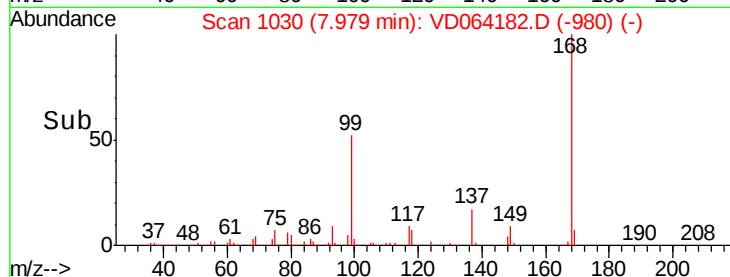
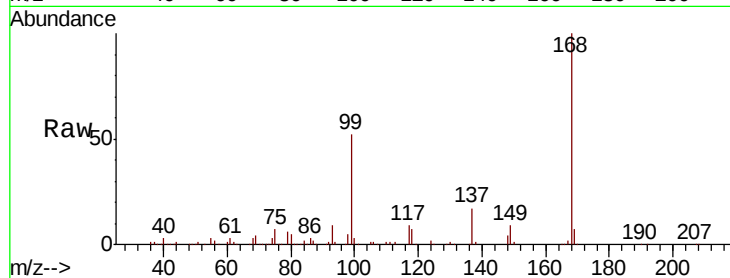




#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

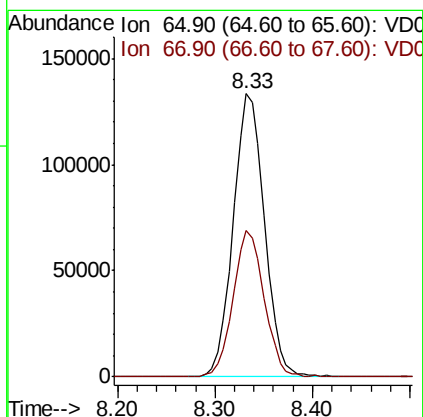
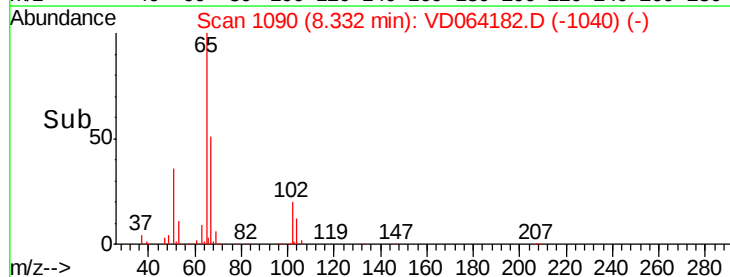
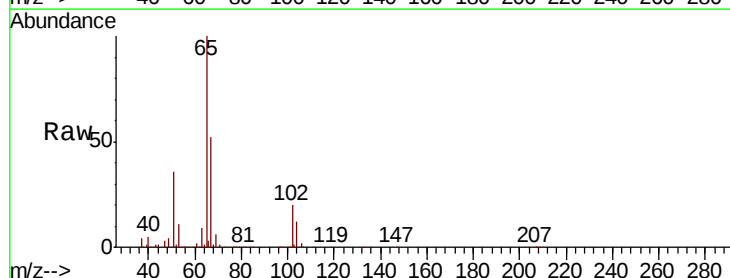
Instrument :
MSVOA_D
ClientSampled :

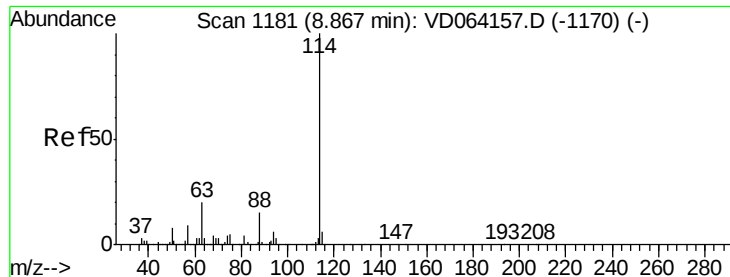
Tot Ion: 56 Resp: 13026
Ion Ratio Lower Upper
56 100
69 158.4 28.2 42.4#
84 97.6 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 66.751 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

Tgt Ion: 65 Resp: 296763
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4

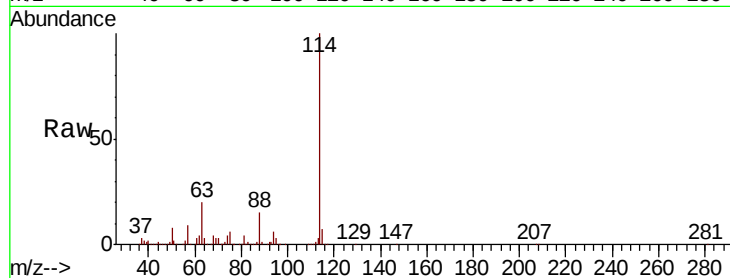




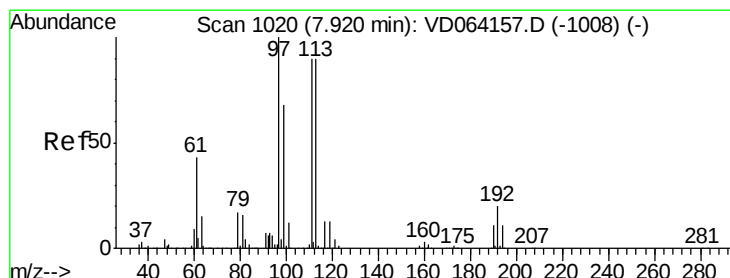
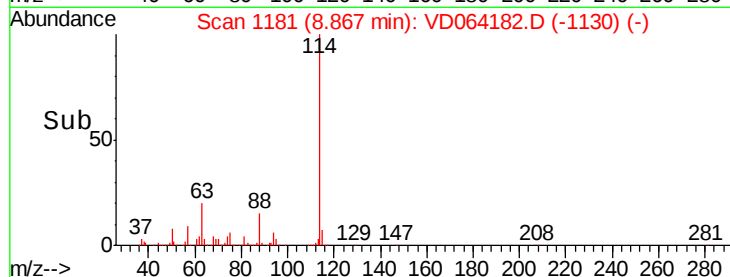
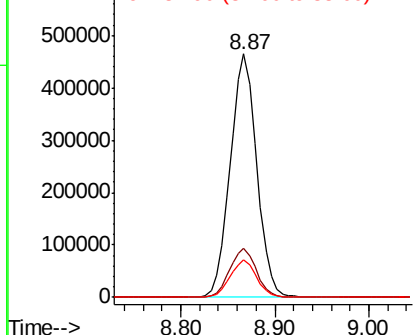
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064182.D
 Acq: 11 Nov 2019 17:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 912778
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.2 0.0 30.2

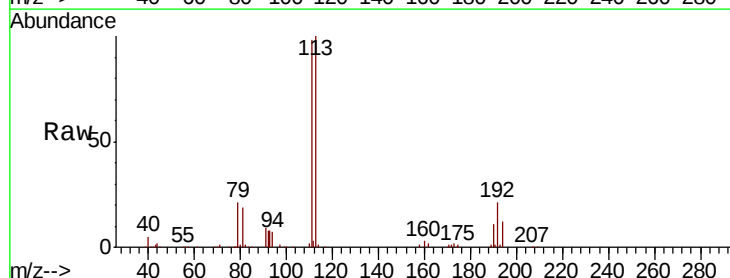


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

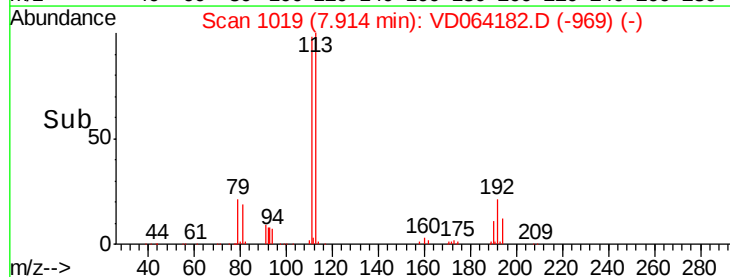
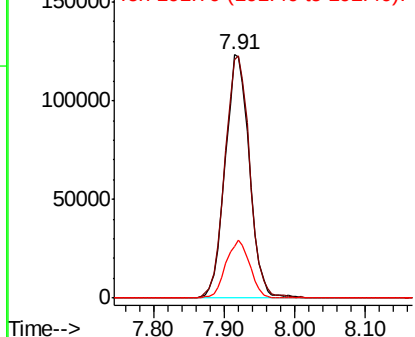


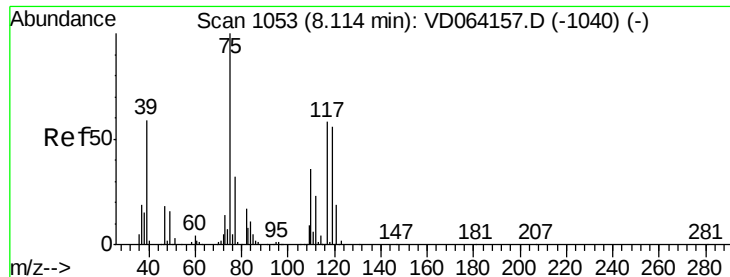
#35
 Dibromofluoromethane
 Concen: 56.035 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064182.D
 Acq: 11 Nov 2019 17:14

Tgt Ion:113 Resp: 293596
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.5 122.3
 192 23.6 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: 4.585 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064182.D

Acq: 11 Nov 2019 17:14

Instrument :

MSVOA_D

ClientSampled :

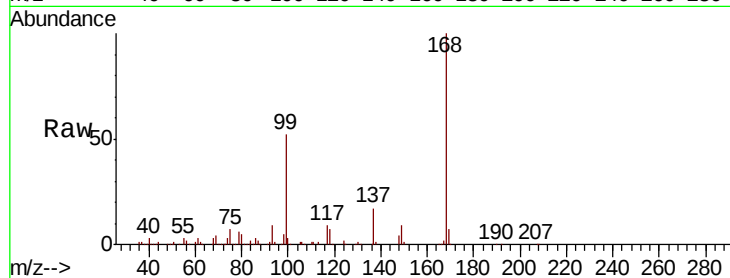
Tot Ion: 75 Resp: 38622

Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.9#

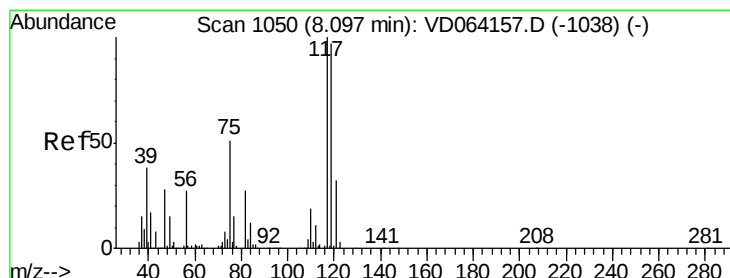
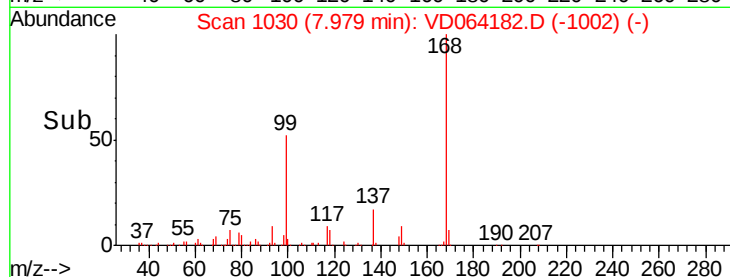
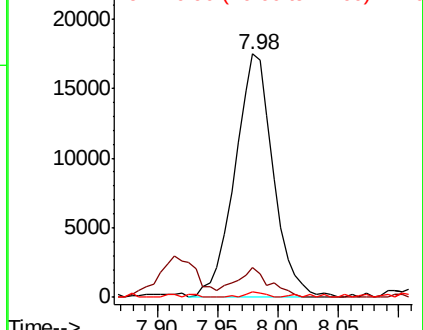
77 1.1 25.0 37.6#



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: 5.601 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064182.D

Acq: 11 Nov 2019 17:14

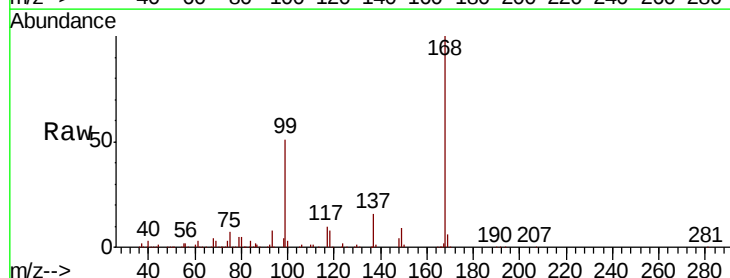
Tgt Ion: 117 Resp: 50489

Ion Ratio Lower Upper

117 100

119 4.3 77.2 115.8#

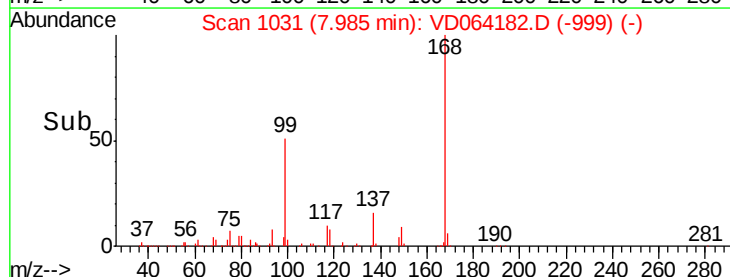
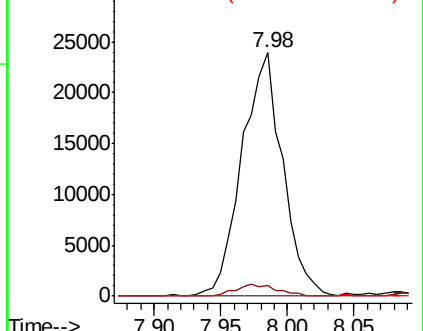
121 0.0 25.5 38.3#

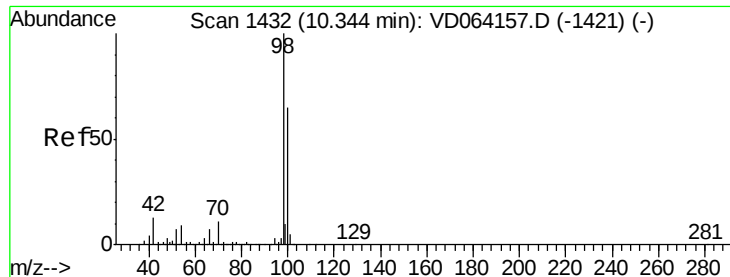


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

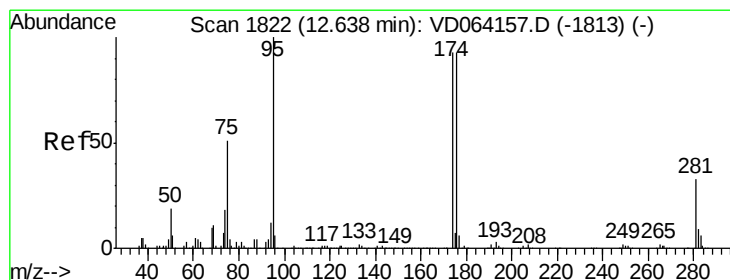
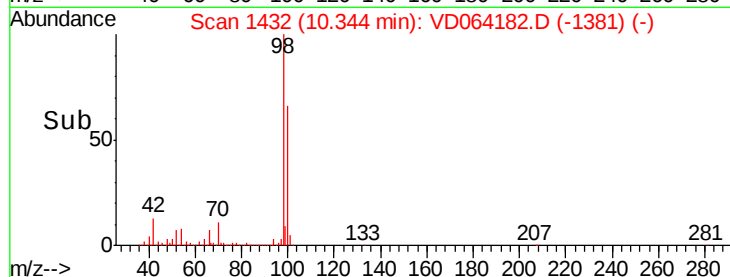
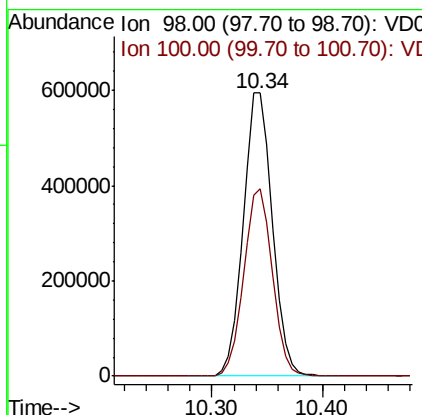
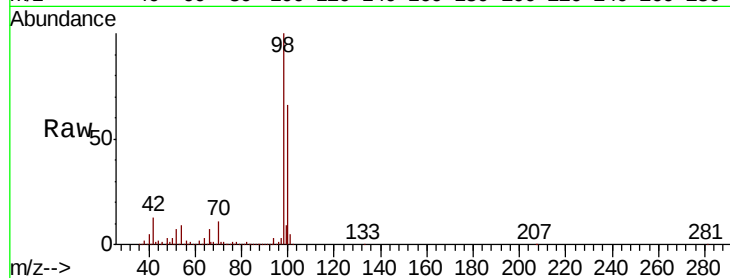




#50
Toluene-d8
Concen: 55.883 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

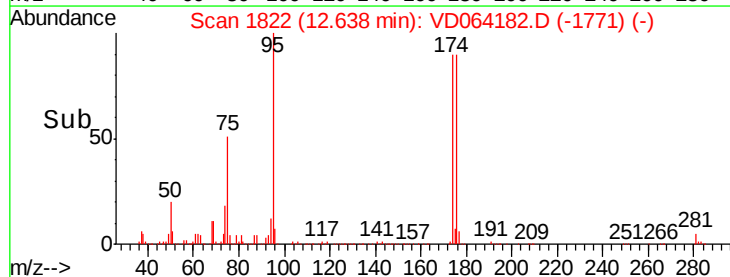
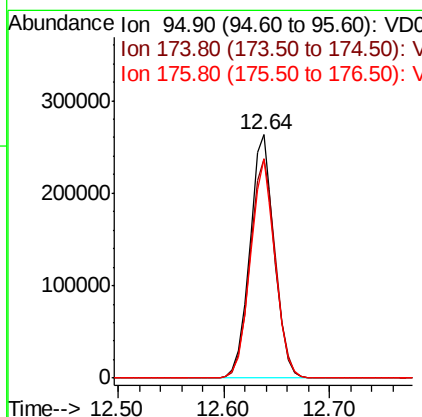
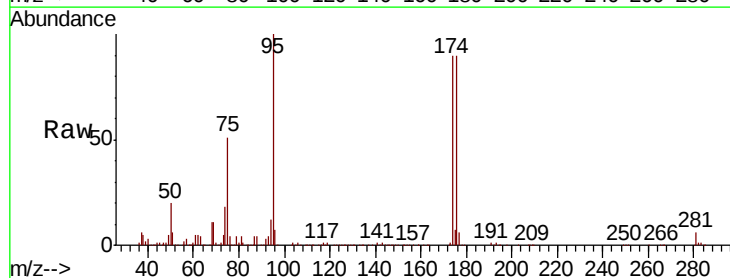
Instrument :
MSVOA_D
ClientSampleId :

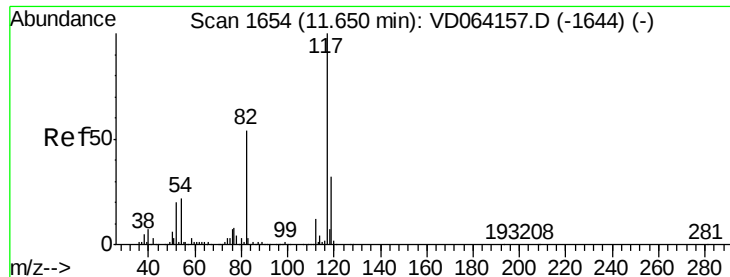
Tot Ion: 98 Resp: 1104569
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 61.880 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

Tgt Ion: 95 Resp: 423566
Ion Ratio Lower Upper
95 100
174 93.5 0.0 183.6
176 90.2 0.0 180.2

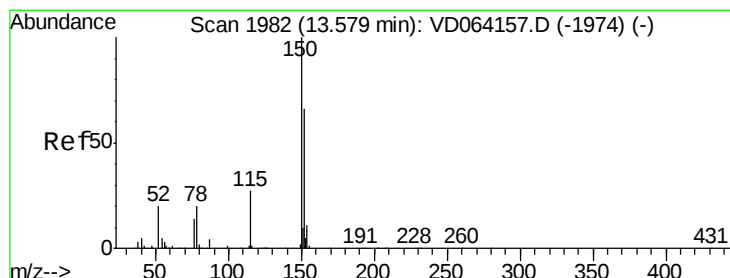
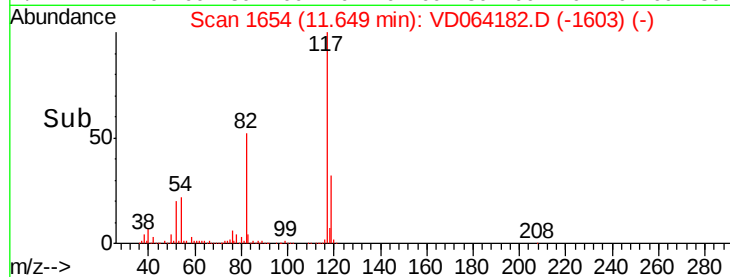
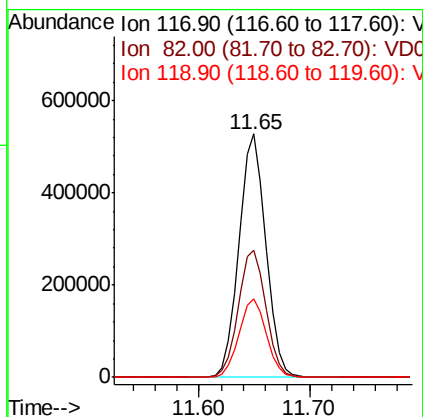
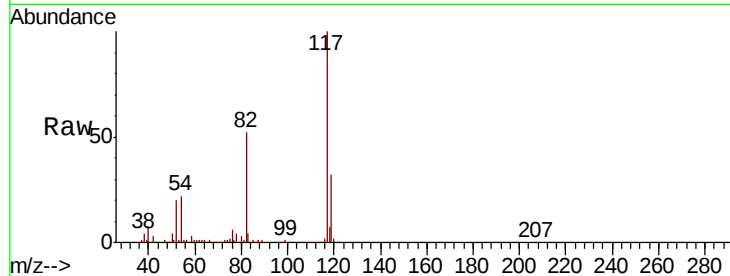




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

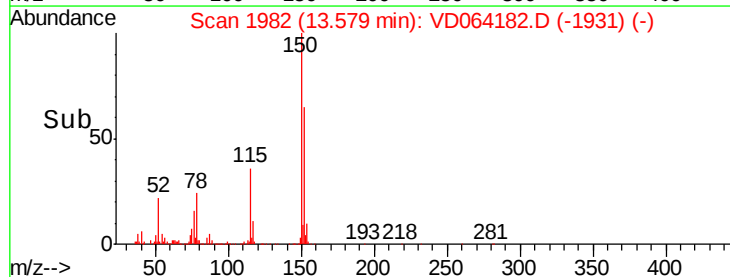
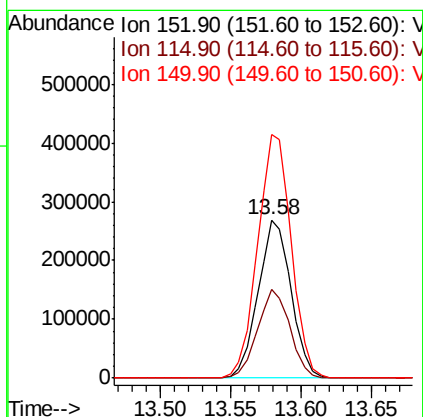
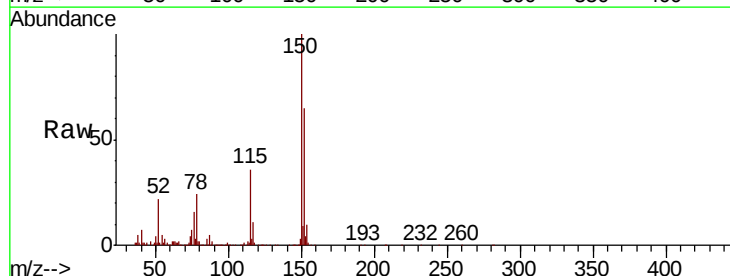
Instrument :
MSVOA_D
ClientSampleId :

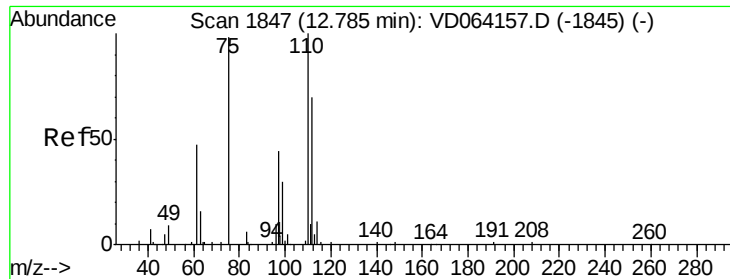
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.8	64.2
119	32.2	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD064182.D
Acq: 11 Nov 2019 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.4	82.2
150	157.3	0.0	351.6





#76

1,2,3-Trichloropropane

Concen: 63.093 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064182.D

Acq: 11 Nov 2019 17:14

Instrument :

MSVOA_D

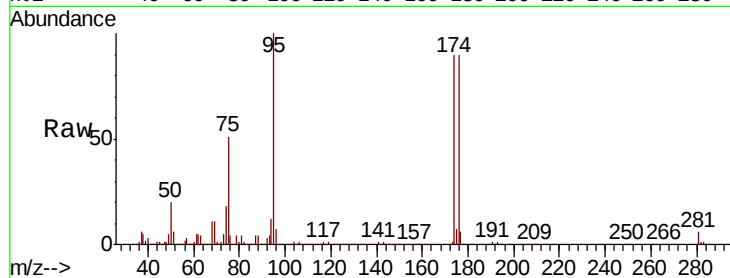
ClientSampleId :

Tot Ion: 75 Resp: 223709

Ion Ratio Lower Upper

75 100

77 1.3 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

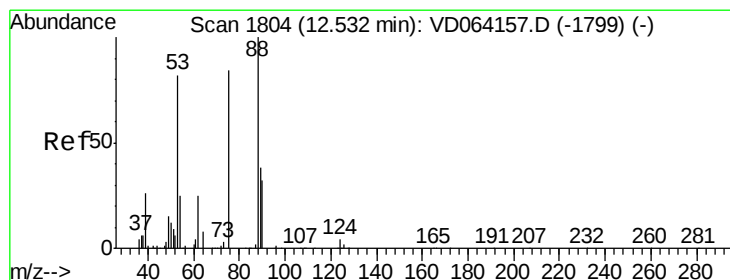
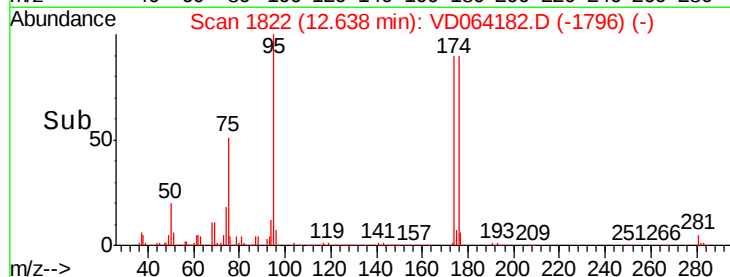
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 125.328 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064182.D

Acq: 11 Nov 2019 17:14

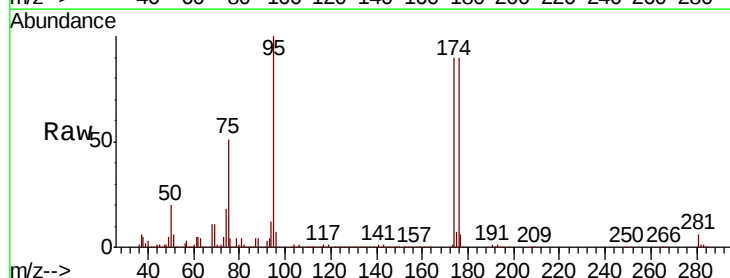
Tgt Ion: 75 Resp: 223709

Ion Ratio Lower Upper

75 100

53 0.1 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

12.64

150000

100000

50000

0

Time-->

