

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064270.D
 Acq On : 18 Nov 2019 17:55
 Operator : VA/SY
 Sample : K5839-06RE
 Misc : 5.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 19 04:39:29 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	514116	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	780210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	720533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	373708	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	293411	69.39	ug/l	0.00
Spiked Amount			Recovery	=	138.78%	
35) Dibromofluoromethane	7.92	113	252739	56.43	ug/l	0.00
Spiked Amount			Recovery	=	112.86%	
50) Toluene-d8	10.34	98	921460	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.64	95	325164	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	

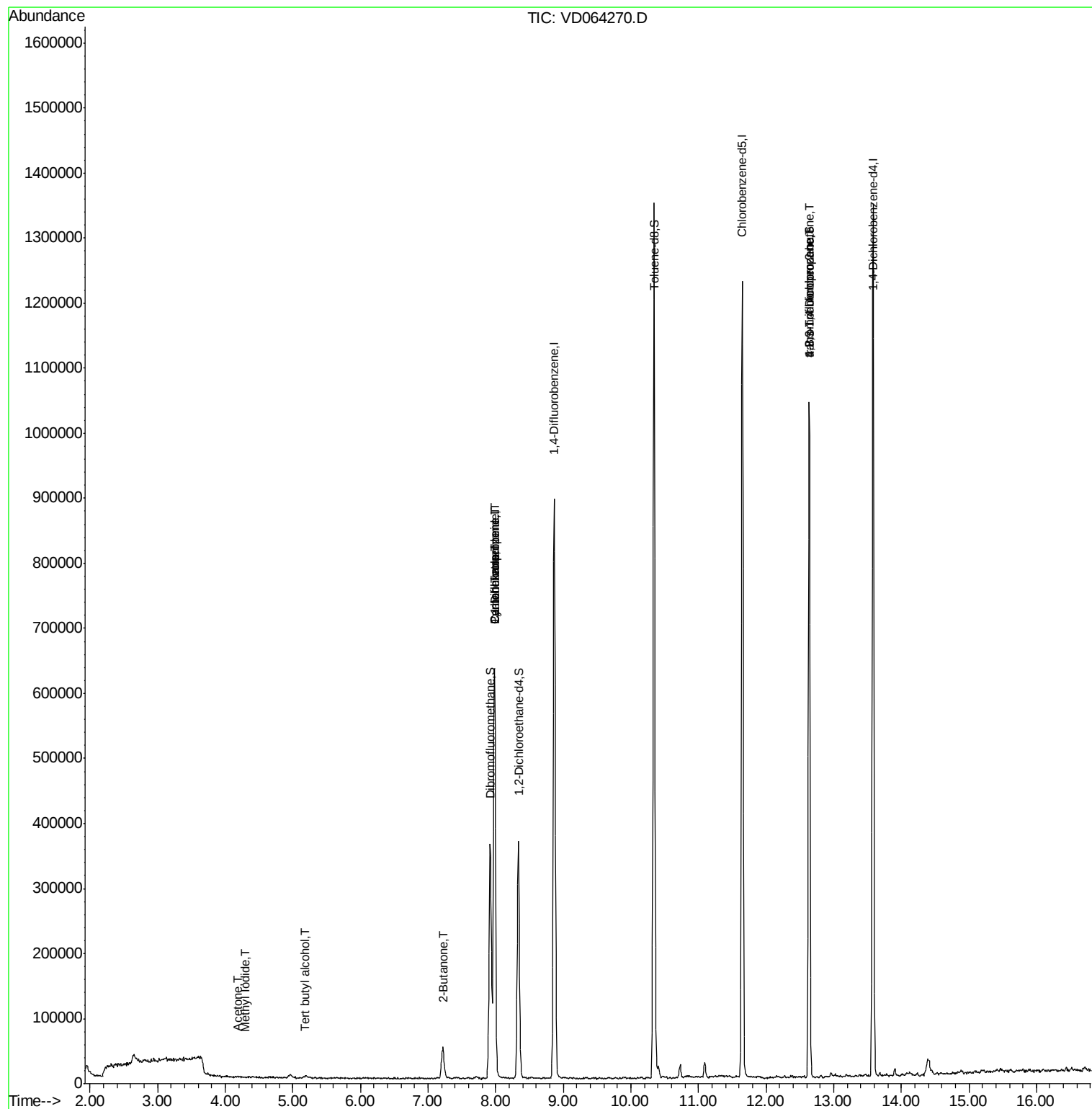
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	65	2.043	ug/l #	41
11) Tert butyl alcohol	5.18	59	2971	10.060	ug/l #	82
16) Acetone	4.17	43	2740	2.735	ug/l #	81
25) 2-Butanone	7.21	43	4069	3.144	ug/l #	82
31) Cyclohexane	7.98	56	9630	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	34644	4.811	ug/l #	49
38) Carbon Tetrachloride	7.98	117	45878	5.954	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	170607	56.678	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	170607	112.585	ug/l #	10

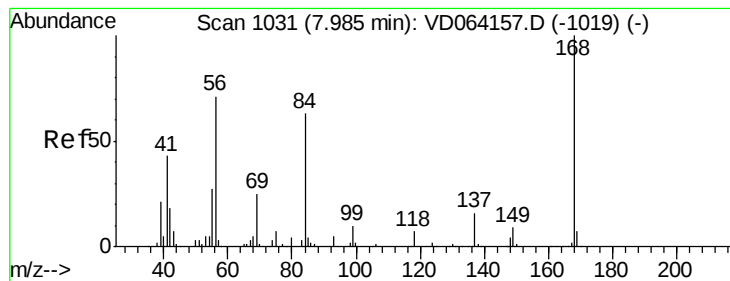
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 02:43:24 2019
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: VD064270.D

Acq: 18 Nov 2019 17:55

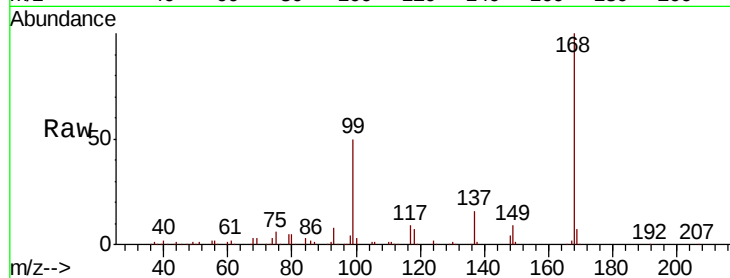
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 514116

Ion Ratio Lower Upper

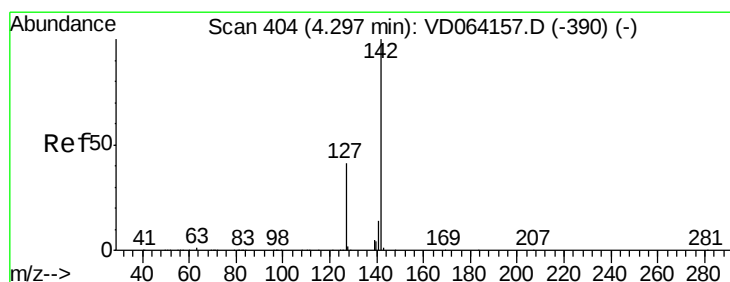
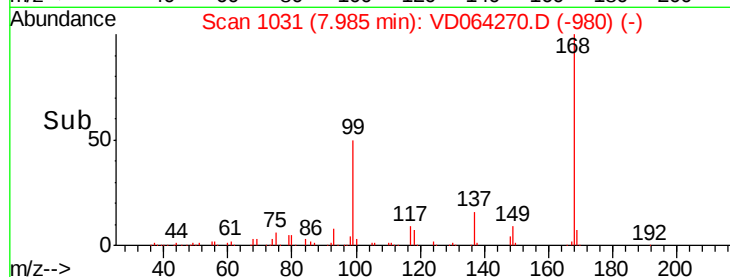
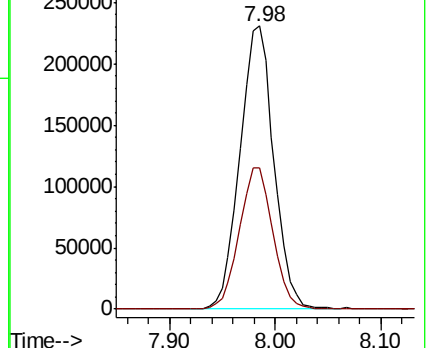
168 100

99 50.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.043 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064270.D

Acq: 18 Nov 2019 17:55

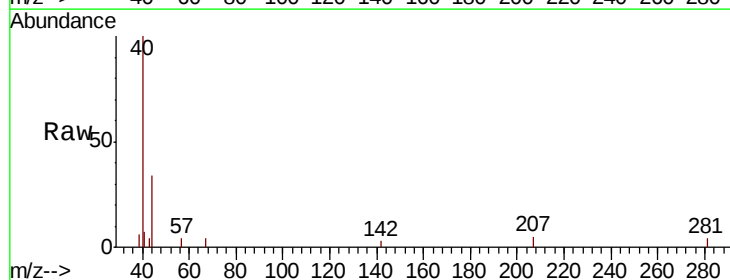
Tgt Ion:142 Resp: 65

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

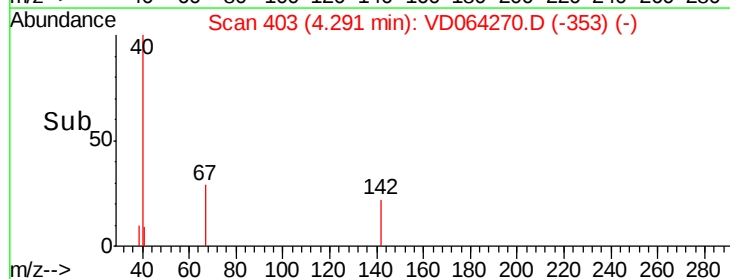
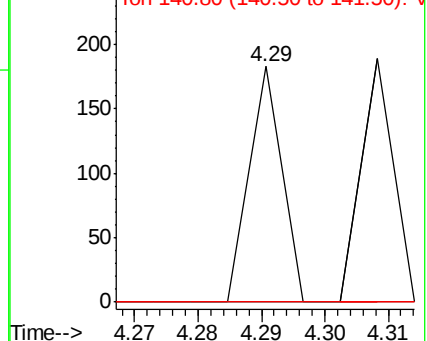
141 0.0 11.2 16.8#

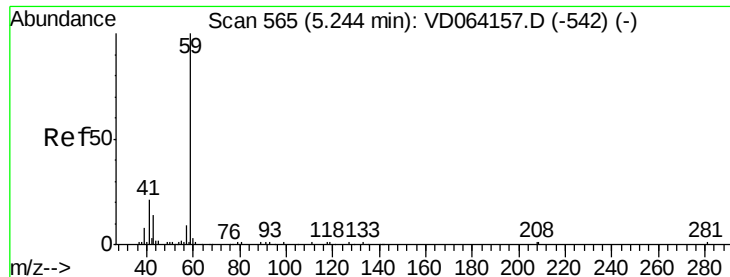


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

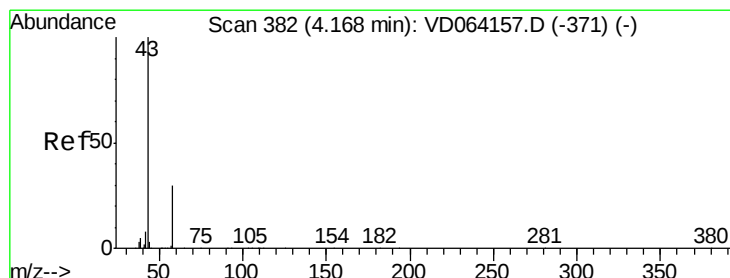
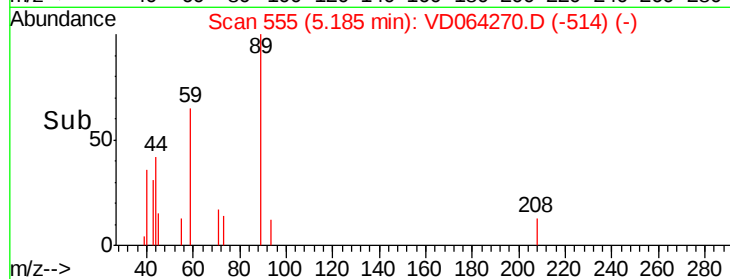
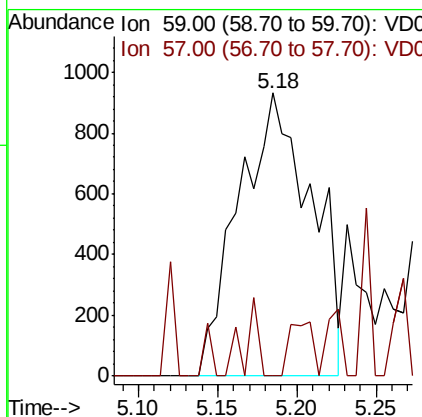
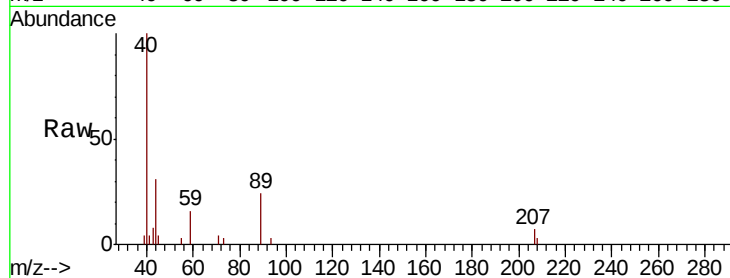




#11
Tert butyl alcohol
Concen: 10.060 ug/l
RT: 5.18 min Scan# 555
Delta R.T. -0.06 min
Lab File: VD064270.D
Acq: 18 Nov 2019 17:55

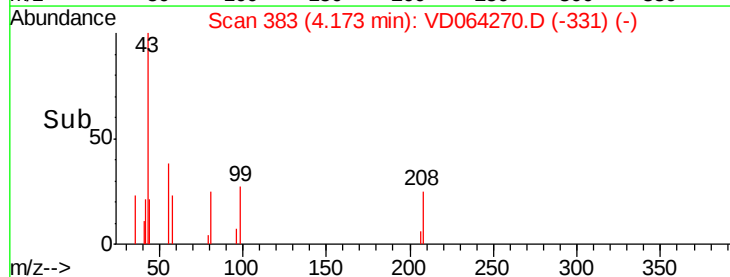
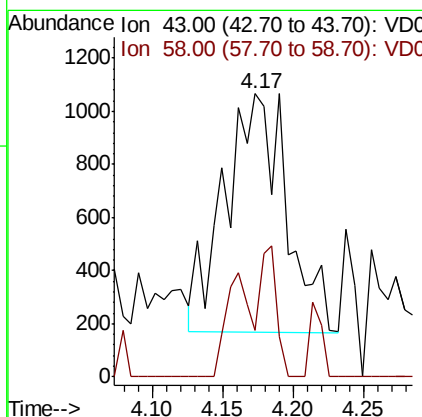
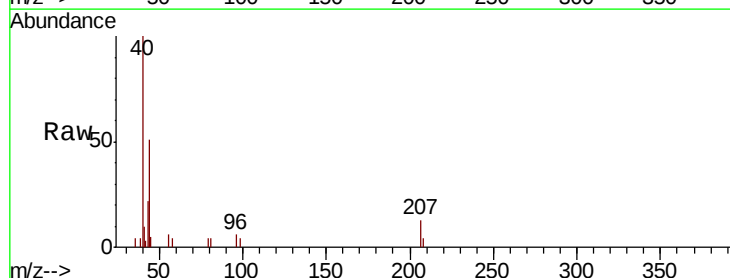
Instrument :
MSVOA_D
ClientSampled :

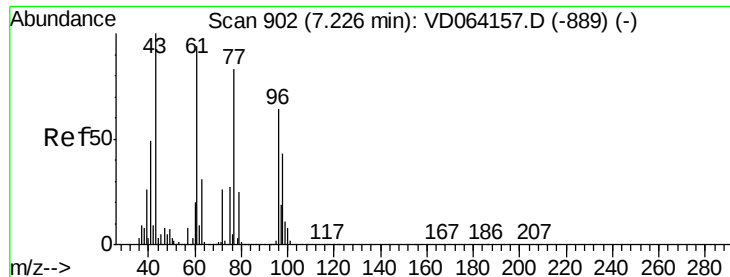
Tot Ion: 59 Resp: 2971
Ion Ratio Lower Upper
59 100
57 5.0 9.4 14.2#



#16
Acetone
Concen: 2.735 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.01 min
Lab File: VD064270.D
Acq: 18 Nov 2019 17:55

Tgt Ion: 43 Resp: 2740
Ion Ratio Lower Upper
43 100
58 19.7 24.1 36.1#





#25

2-Butanone

Concen: 3.144 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064270.D

Acq: 18 Nov 2019 17:55

Instrument :

MSVOA_D

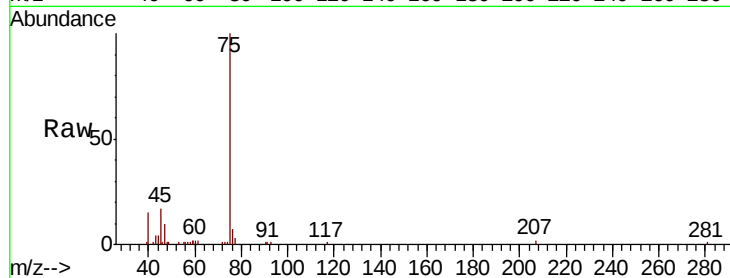
ClientSampled :

Tot Ion: 43 Resp: 4069

Ion Ratio Lower Upper

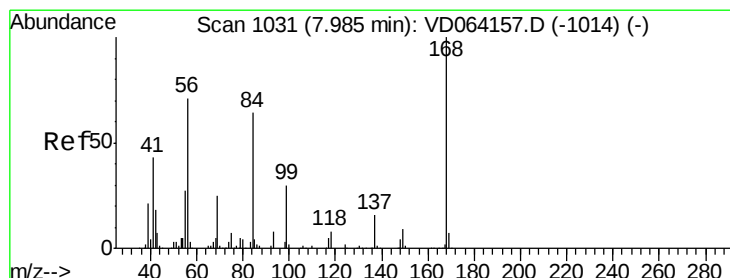
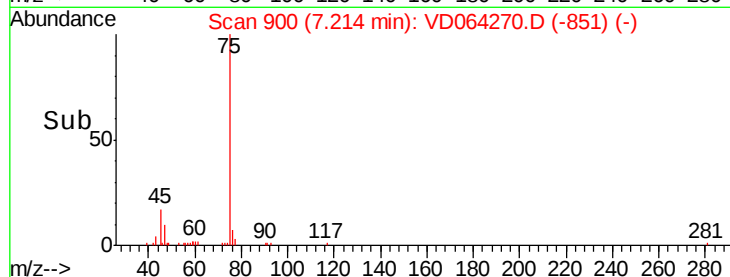
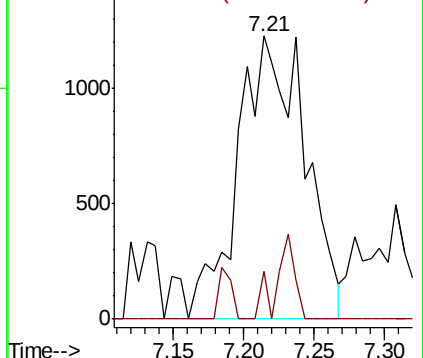
43 100

72 16.7 20.6 30.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064270.D

Acq: 18 Nov 2019 17:55

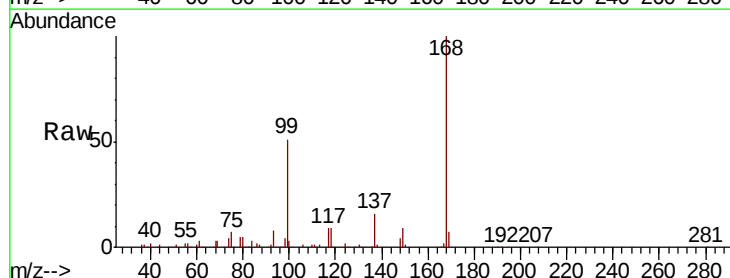
Tgt Ion: 56 Resp: 9630

Ion Ratio Lower Upper

56 100

69 157.9 28.2 42.4#

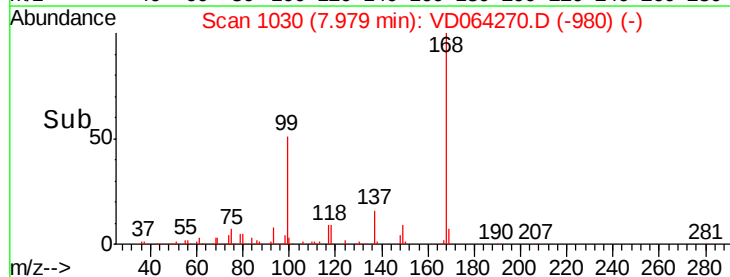
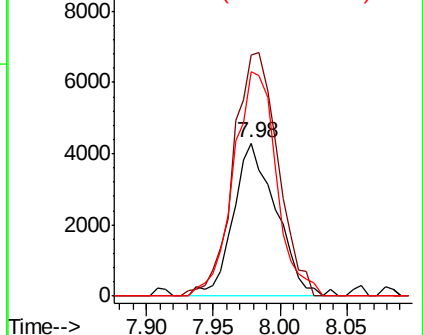
84 147.1 71.8 107.6#

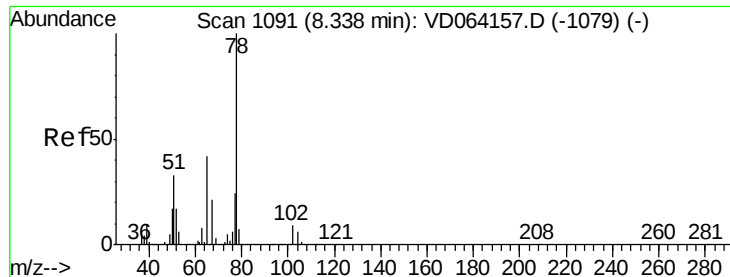


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

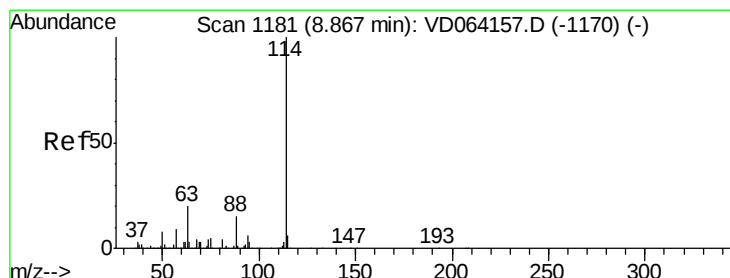
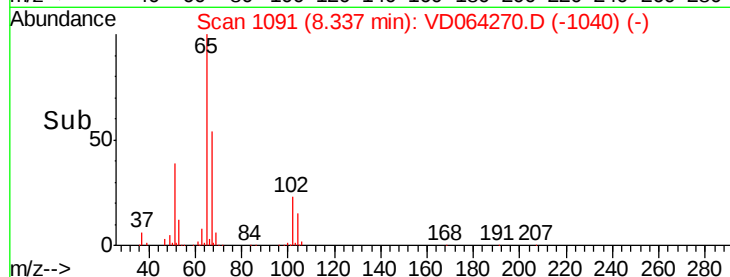
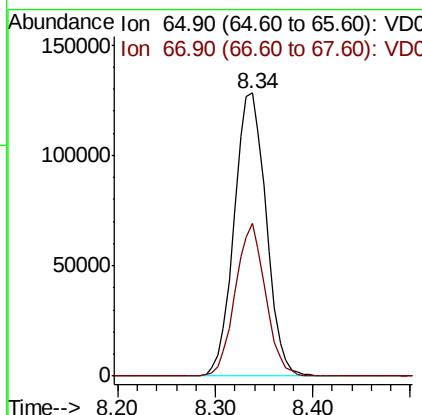
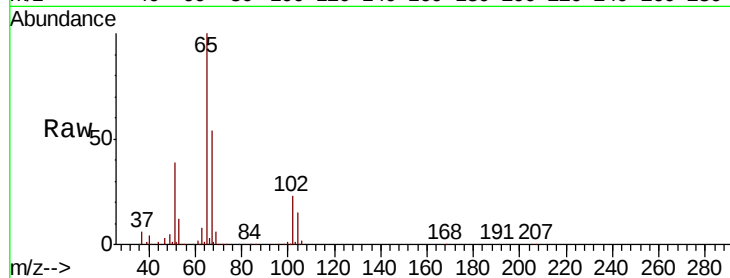




#33
 1,2-Dichloroethane-d4
 Concen: 69.392 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064270.D
 Acq: 18 Nov 2019 17:55

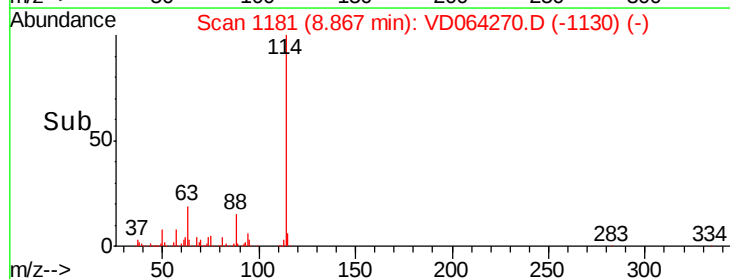
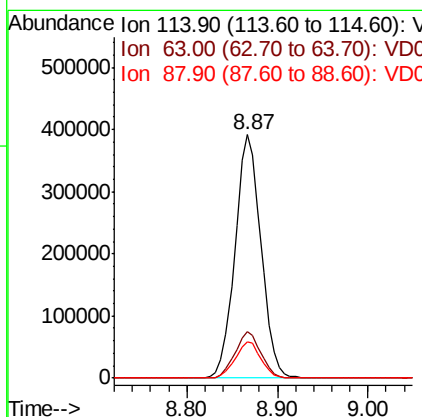
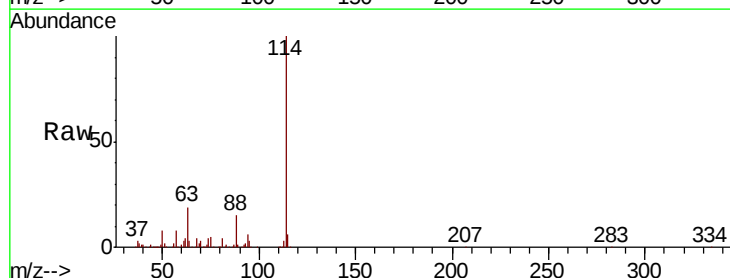
Instrument :
 MSVOA_D
 ClientSampled :

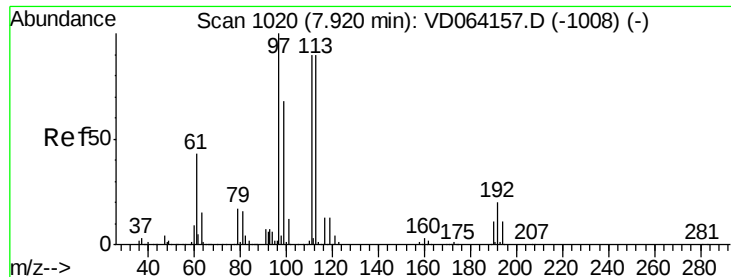
Tot Ion: 65 Resp: 293411
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064270.D
 Acq: 18 Nov 2019 17:55

Tgt Ion: 114 Resp: 780210
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 15.0 0.0 30.2

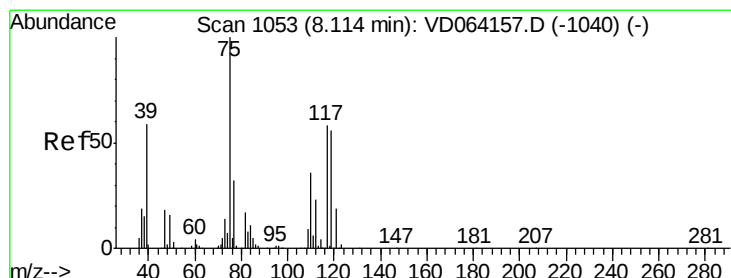
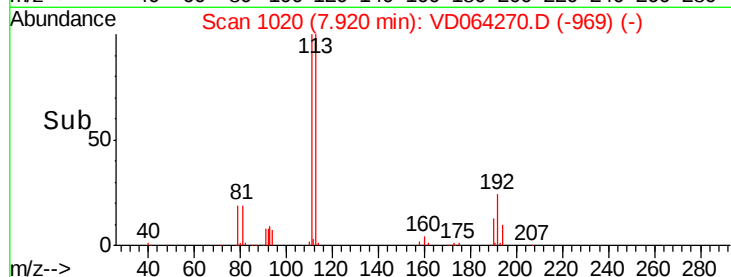
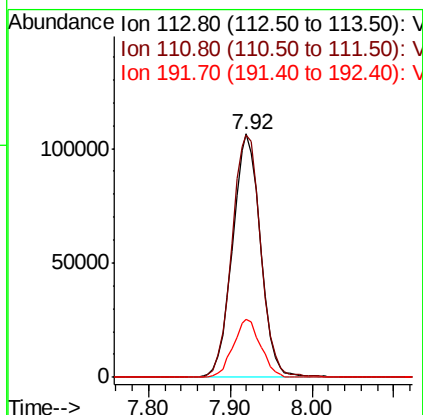
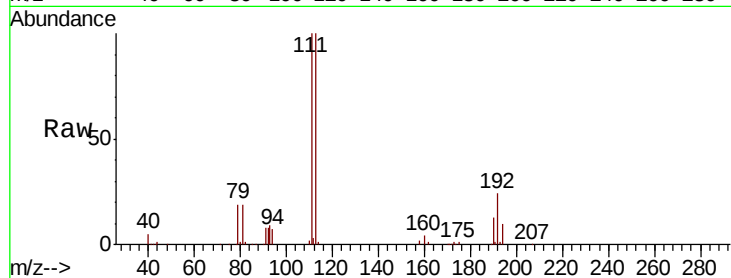




#35
 Dibromofluoromethane
 Concen: 56.433 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064270.D
 Acq: 18 Nov 2019 17:55

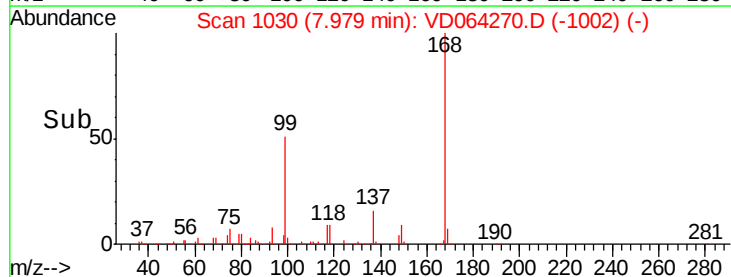
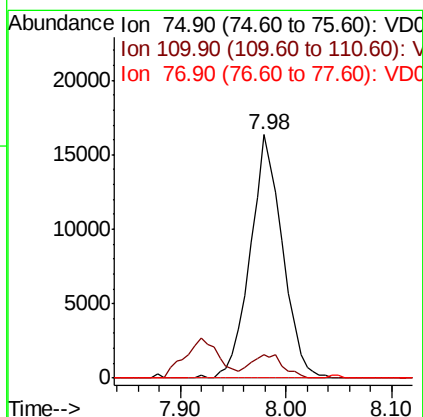
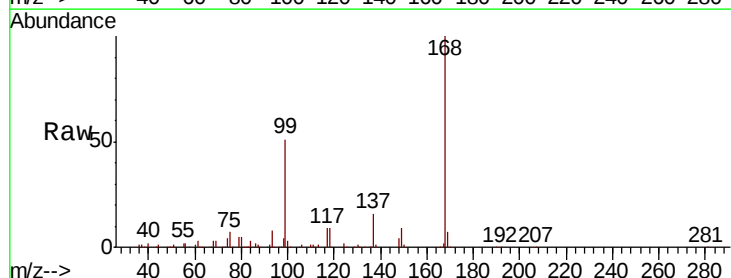
Instrument :
 MSVOA_D
 ClientSampleId :

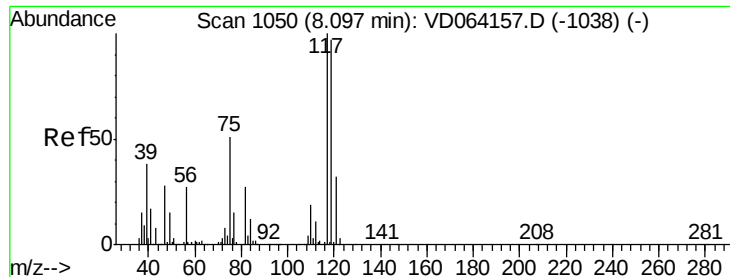
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	23.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.811 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064270.D
 Acq: 18 Nov 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.3	54.9#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064270.D

Acq: 18 Nov 2019 17:55

Instrument :

MSVOA_D

ClientSampled :

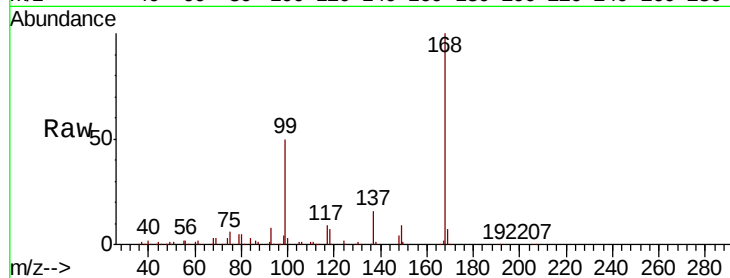
Tot Ion:117 Resp: 45878

Ion Ratio Lower Upper

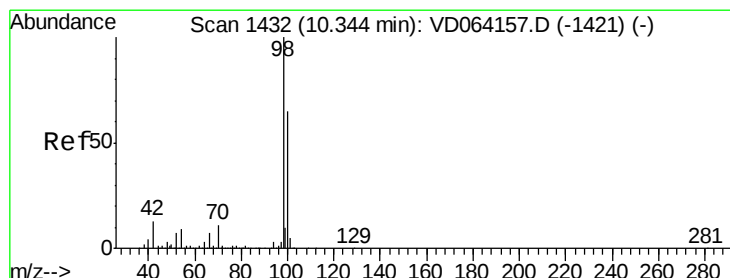
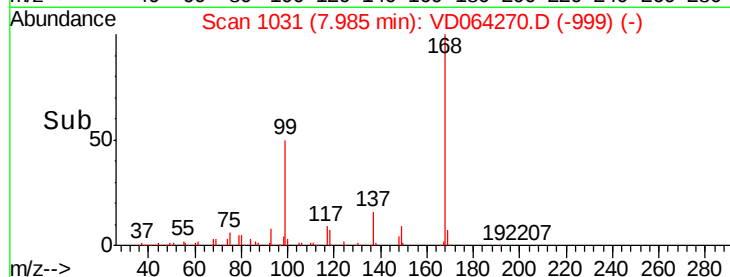
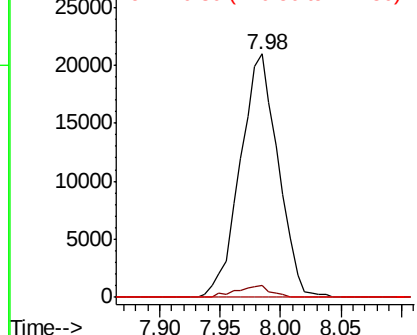
117 100

119 4.9 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: 54.541 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064270.D

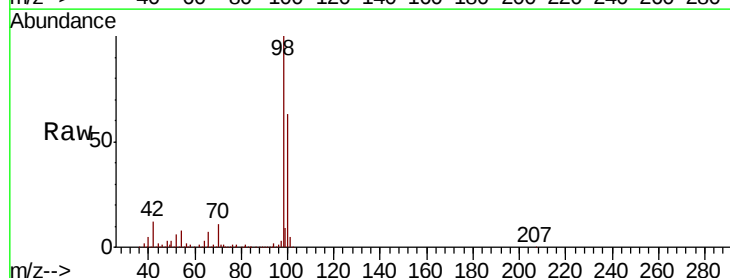
Acq: 18 Nov 2019 17:55

Tgt Ion: 98 Resp: 921460

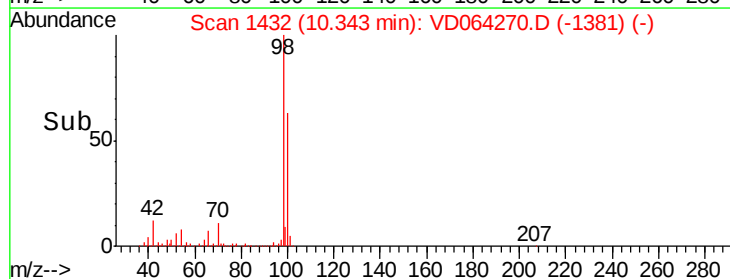
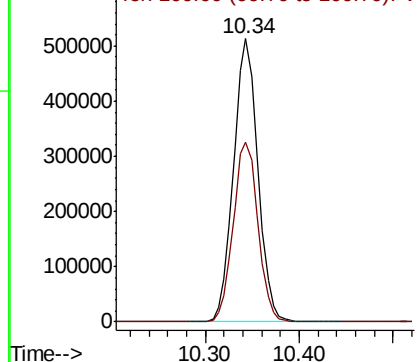
Ion Ratio Lower Upper

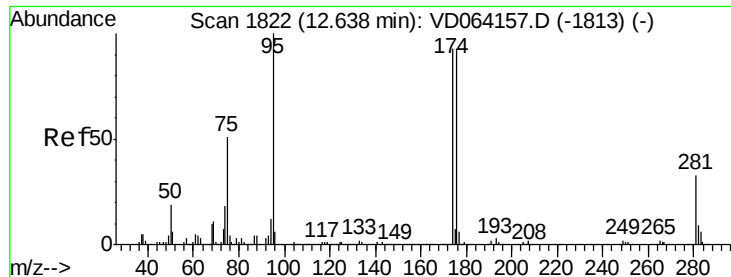
98 100

100 64.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

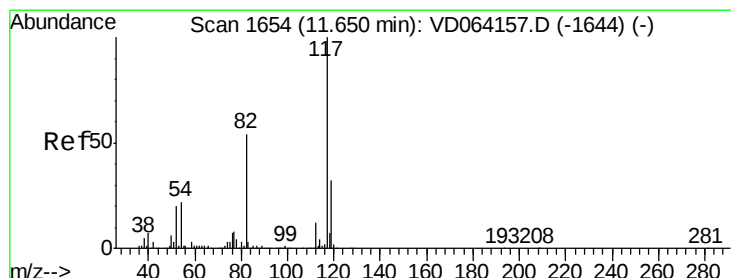
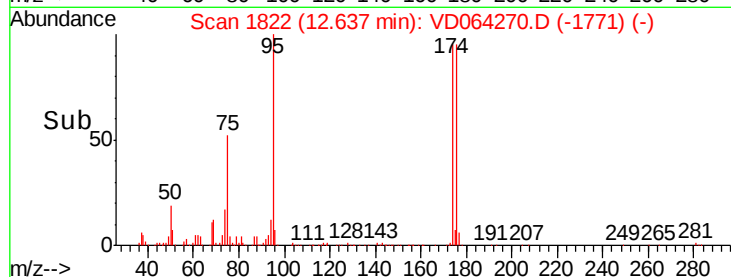
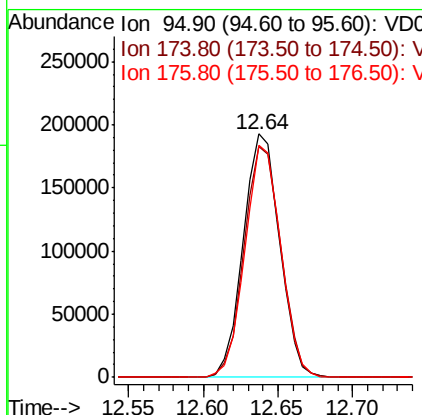
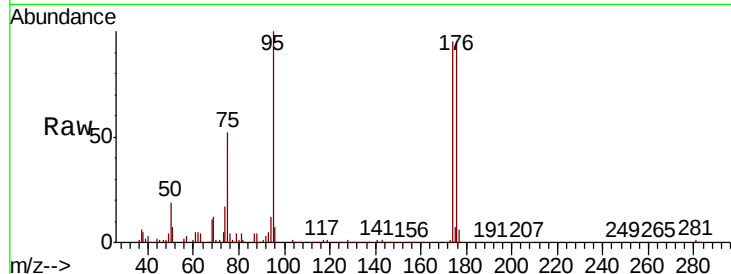




#62
4-Bromofluorobenzene
Concen: 55.576 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064270.D
Acq: 18 Nov 2019 17:55

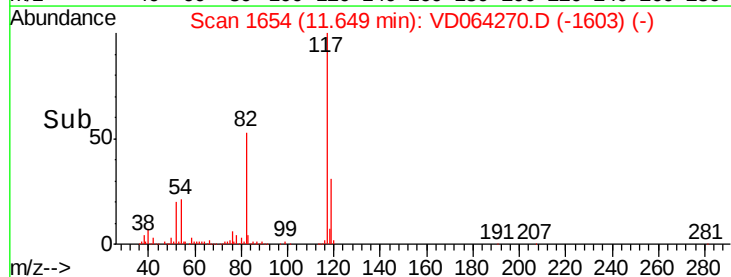
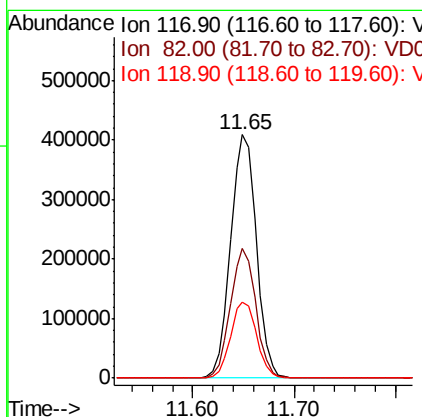
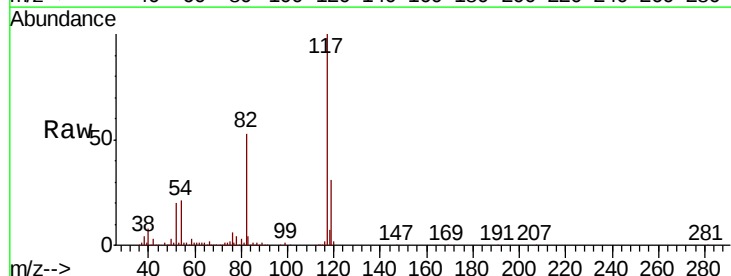
Instrument :
MSVOA_D
ClientSampleId :

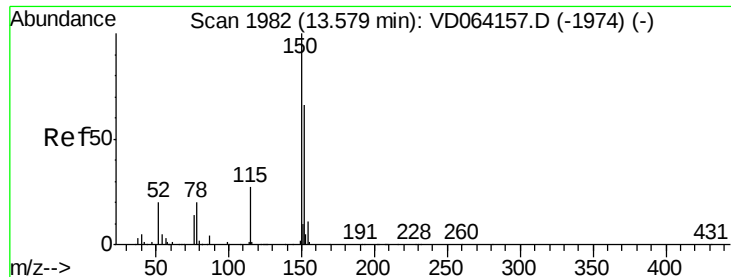
Tot Ion: 95 Resp: 325164
Ion Ratio Lower Upper
95 100
174 95.9 0.0 183.6
176 93.6 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064270.D
Acq: 18 Nov 2019 17:55

Tgt Ion: 117 Resp: 720533
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 30.9 25.6 38.4



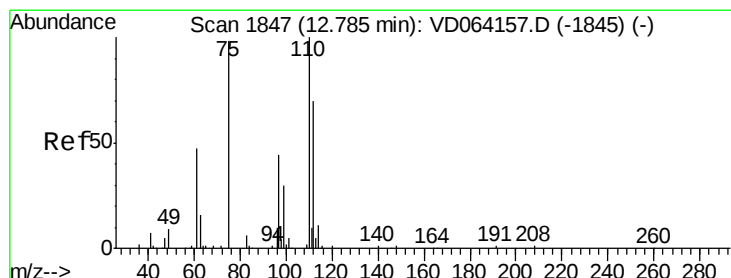
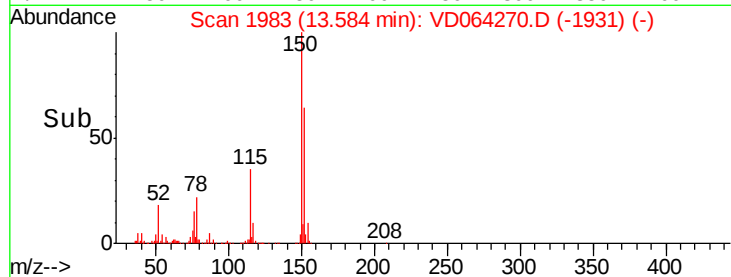
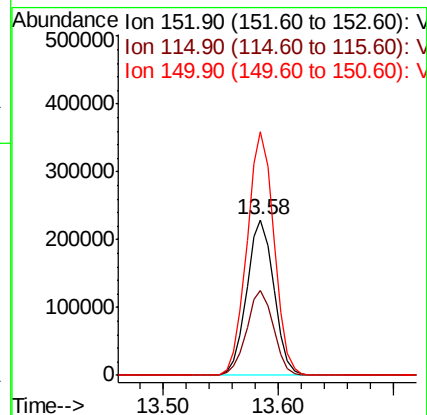
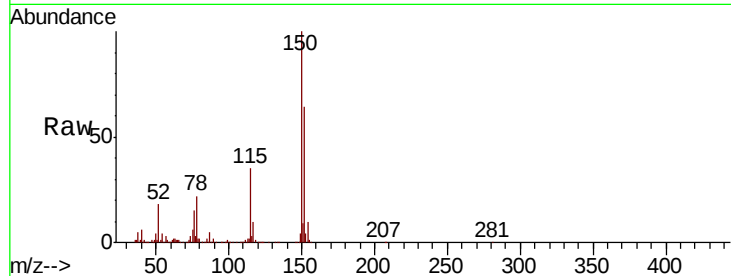


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064270.D
Acq: 18 Nov 2019 17:55

Instrument :
MSVOA_D
ClientSampleId :

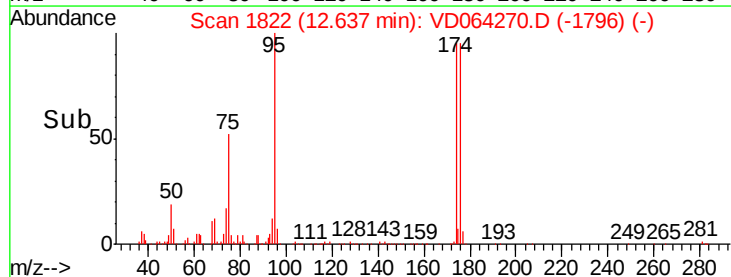
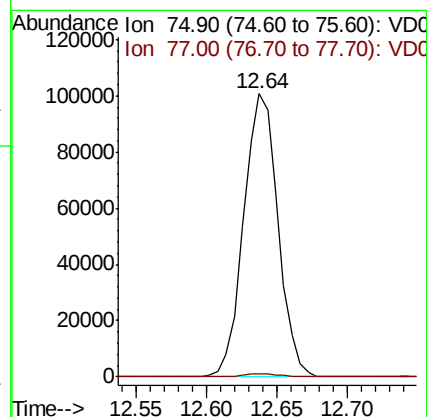
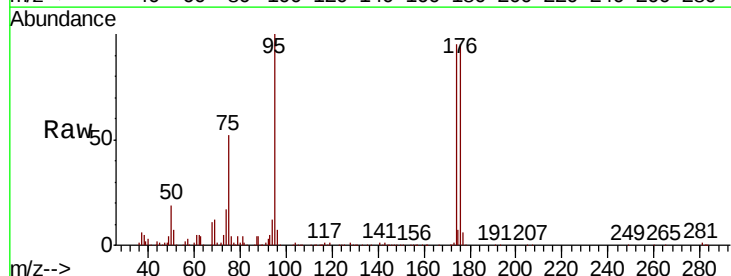
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.4	82.2
150	156.2	0.0	351.6

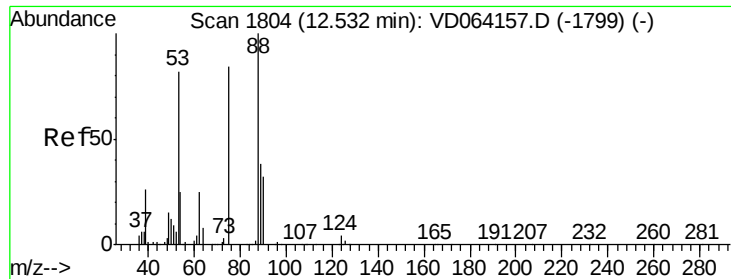


#76

1,2,3-Trichloropropane
Concen: 56.678 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064270.D
Acq: 18 Nov 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 112.585 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064270.D

Acq: 18 Nov 2019 17:55

Instrument :

MSVOA_D

ClientSampleId :

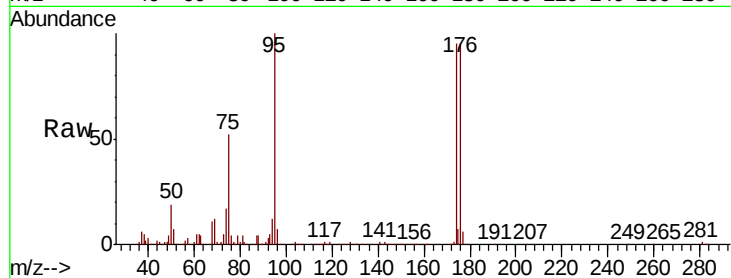
Tot Ion: 75 Resp: 170607

Ion Ratio Lower Upper

75 100

53 0.0 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

