

Data File : VD064170.D
Acq On : 08 Nov 2019 22:34
Operator : VA/SY
Sample : K5722-12RE
Misc : 5.78G/5.00ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
1-BRE

Quant Time: Nov 09 01:50:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 08 16:20:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	465800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	749950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	759429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	401373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	255738	66.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.52%	
35) Dibromofluoromethane	7.92	113	243991	56.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.36%	
50) Toluene-d8	10.34	98	900087	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
62) 4-Bromofluorobenzene	12.64	95	367939	65.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.84%	

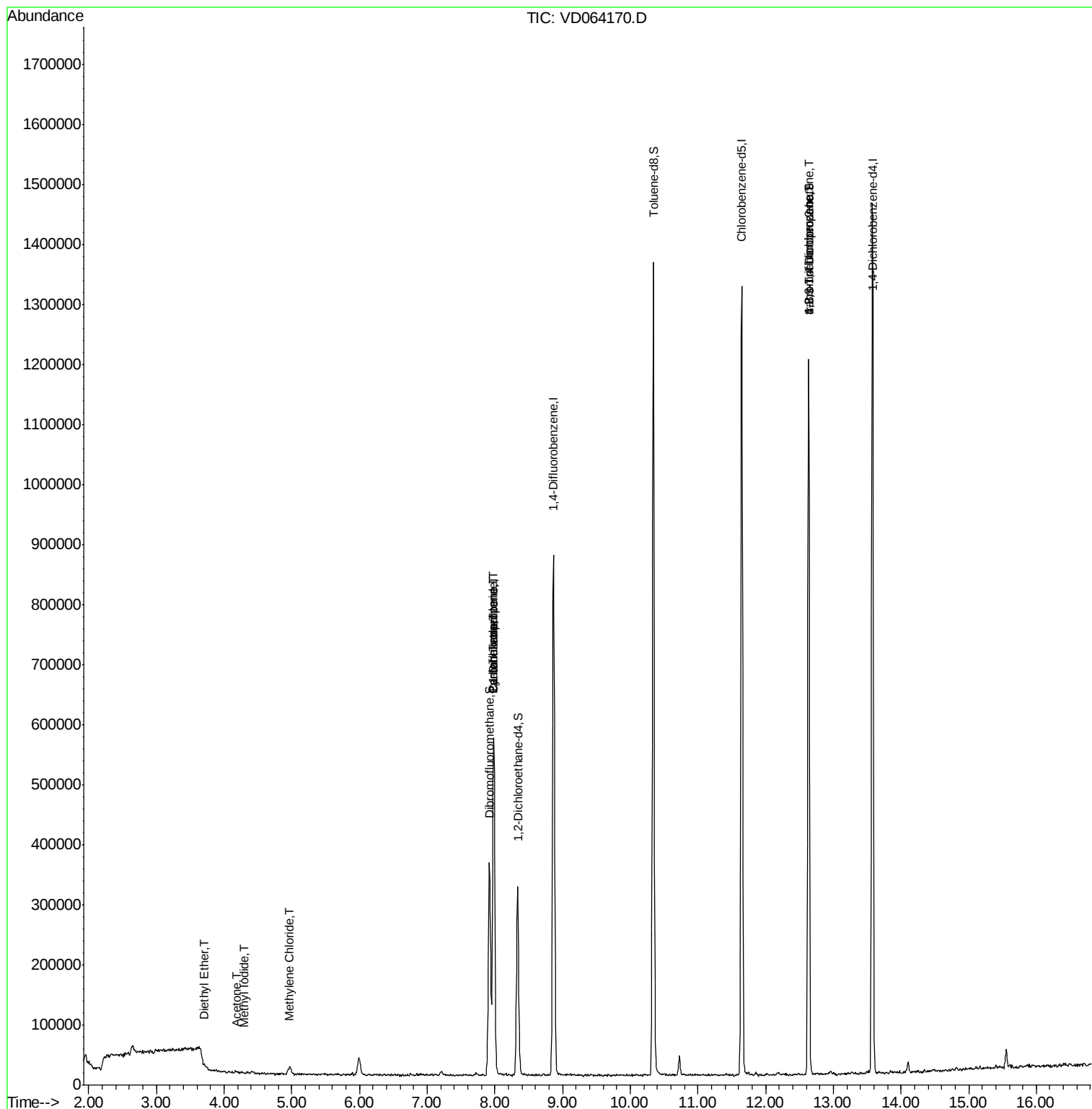
Target Compounds				Qvalue		
8) Diethyl Ether	3.71	74	2543	1.287	ug/l	82
10) Methyl Iodide	4.29	142	264	2.085	ug/l #	41
16) Acetone	4.18	43	3602	3.969	ug/l #	51
20) Methylene Chloride	4.97	84	10111	2.206	ug/l	86
31) Cyclohexane	7.98	56	10549	1.403	ug/l #	4
36) 1,1-Dichloropropene	7.98	75	31443	4.543	ug/l #	50
38) Carbon Tetrachloride	7.98	117	43448	5.867	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	191296	59.171	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	191296	117.537	ug/l #	10

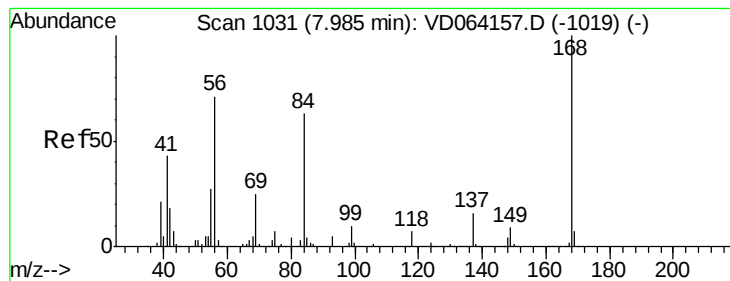
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064170.D

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MSVOA_D

ClientSampleId :

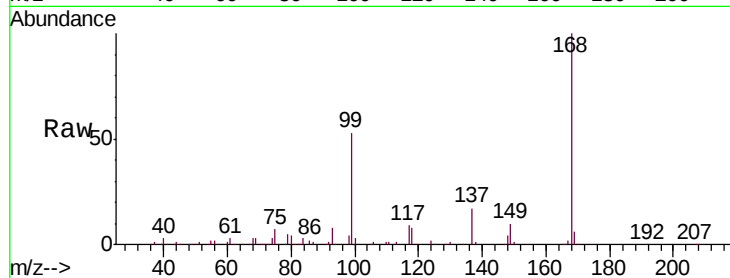
1-BRE

Tgt Ion:168 Resp: 465800

Ion Ratio Lower Upper

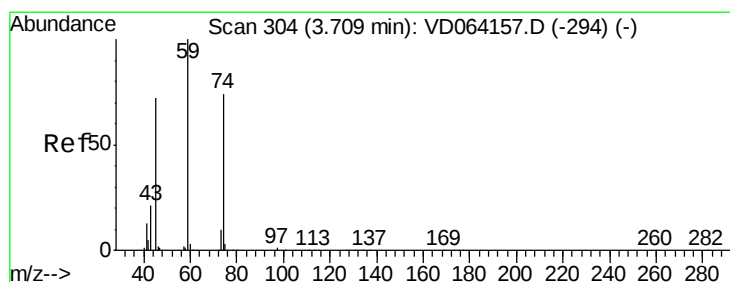
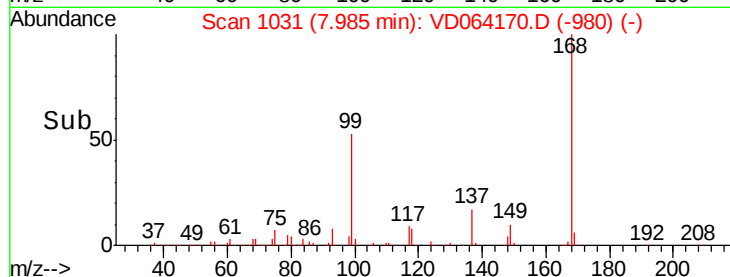
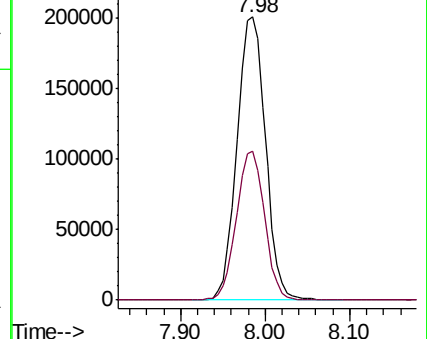
168 100

99 52.8 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: 1.287 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD064170.D

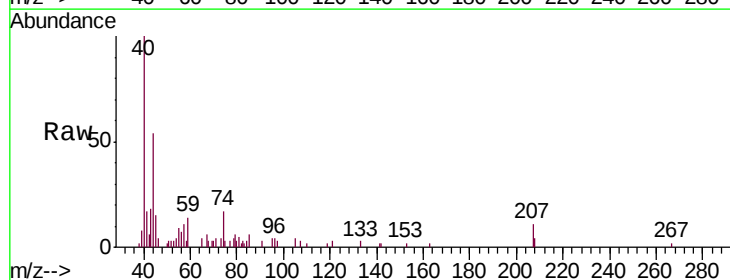
Acq: 08 Nov 2019 22:34

Tgt Ion: 74 Resp: 2543

Ion Ratio Lower Upper

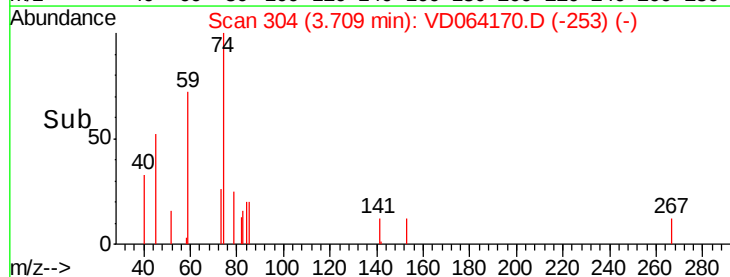
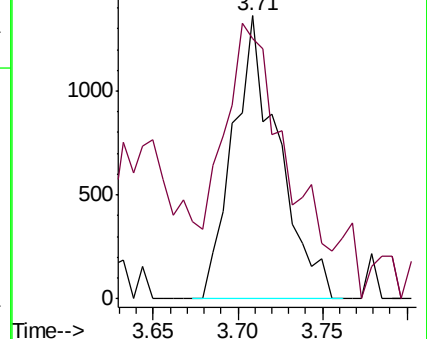
74 100

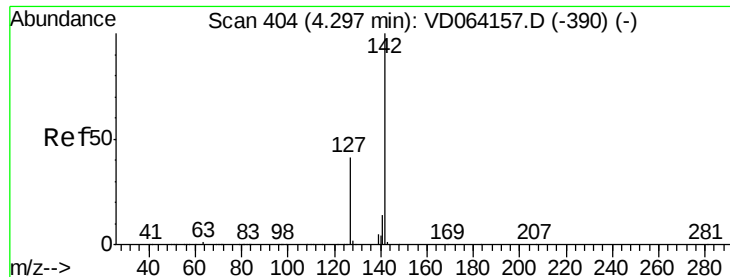
45 113.8 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

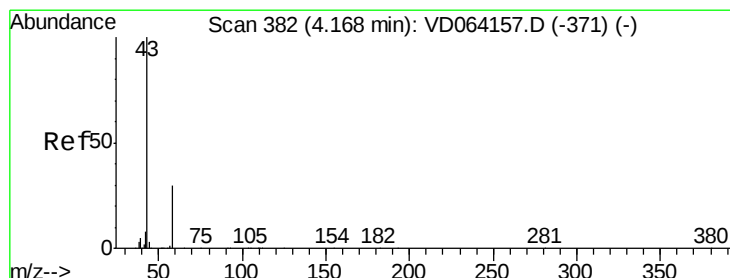
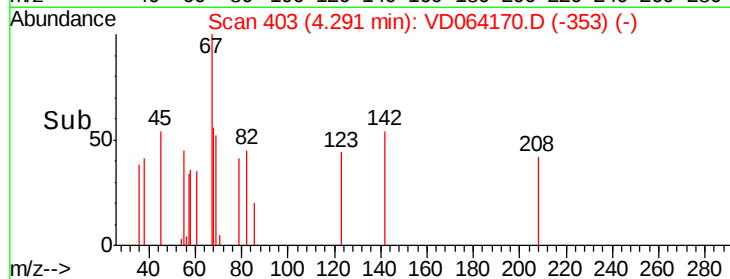
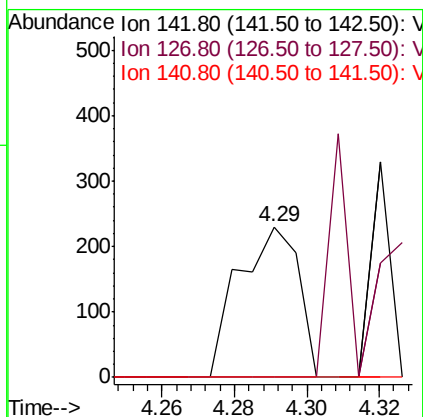
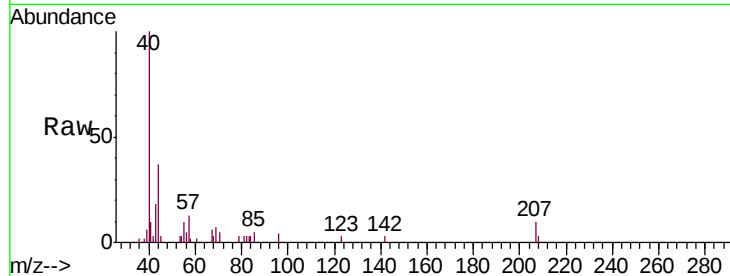




#10
Methyl Iodide
Concen: 2.085 ug/l
RT: 4.29 min Scan# 403
Delta R.T. -0.01 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

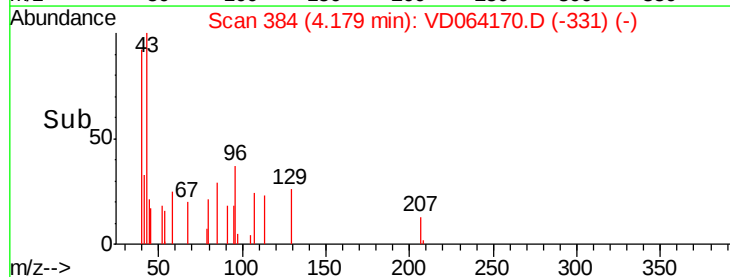
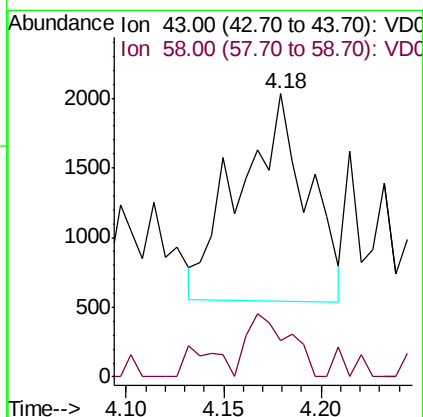
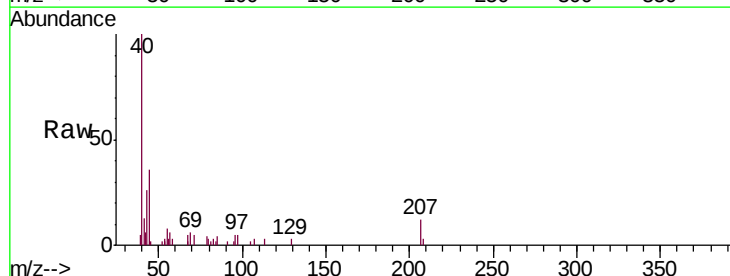
Instrument :
MSVOA_D
ClientSampled :
1-BRE

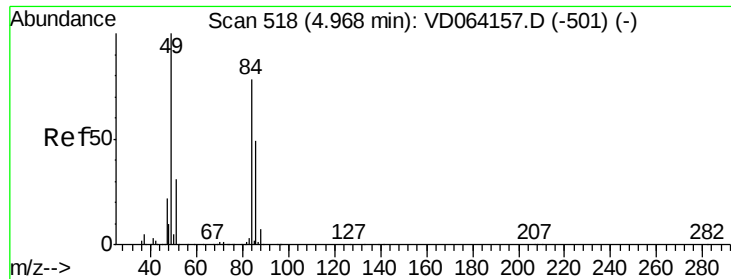
Tgt Ion:142 Resp: 264
Ion Ratio Lower Upper
142 100
127 0.0 34.4 51.6#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 3.969 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

Tgt Ion: 43 Resp: 3602
Ion Ratio Lower Upper
43 100
58 3.7 24.1 36.1#

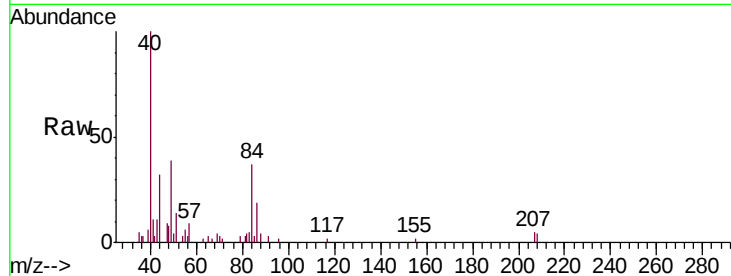




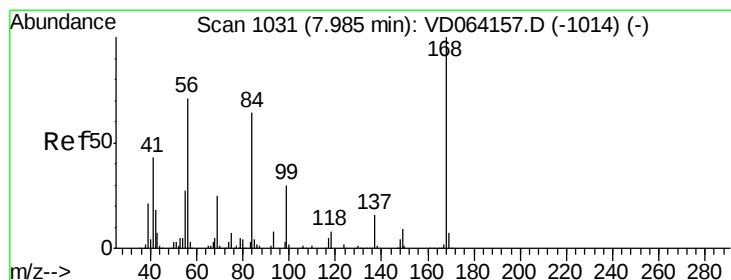
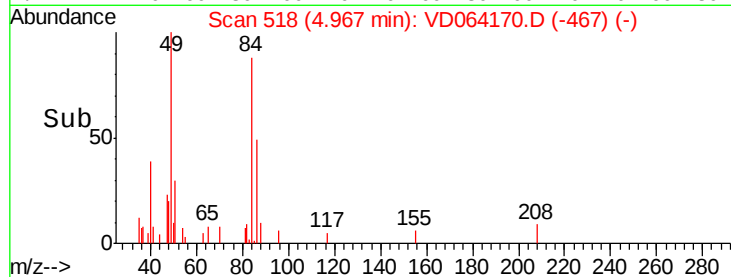
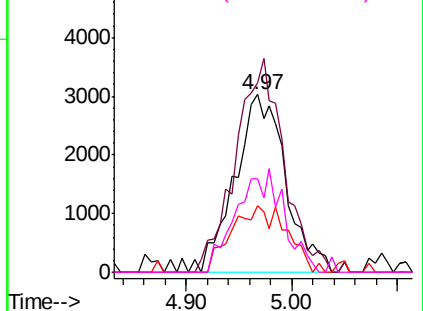
#20
Methylene Chloride
Concen: 2.206 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

Instrument :
MSVOA_D
ClientSampled :
1-BRE

Tgt Ion:	84	Resp:	10111
Ion	Ratio	Lower	Upper
84	100		
49	106.8	102.1	153.1
51	37.4	32.2	48.2
86	52.6	49.9	74.9

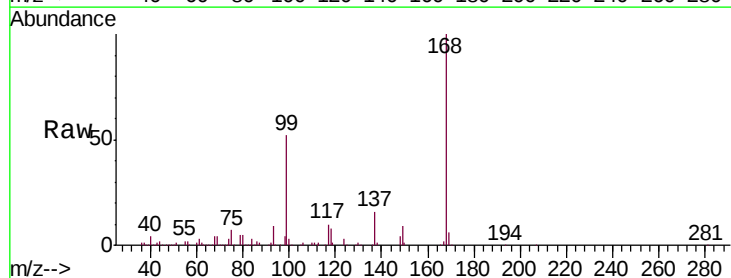


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

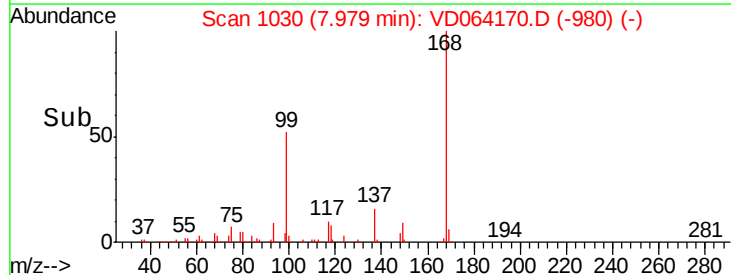
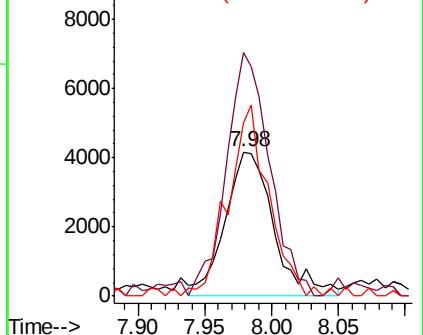


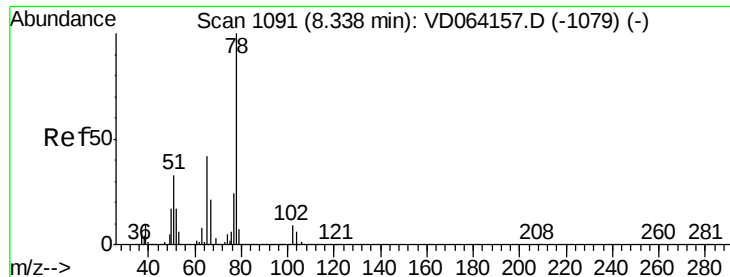
#31
Cyclohexane
Concen: 1.403 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

Tgt Ion:	56	Resp:	10549
Ion	Ratio	Lower	Upper
56	100		
69	177.0	28.2	42.4#
84	125.5	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: 66.756 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064170.D

Acq: 08 Nov 2019 22:34

Instrument :

MSVOA_D

ClientSampled :

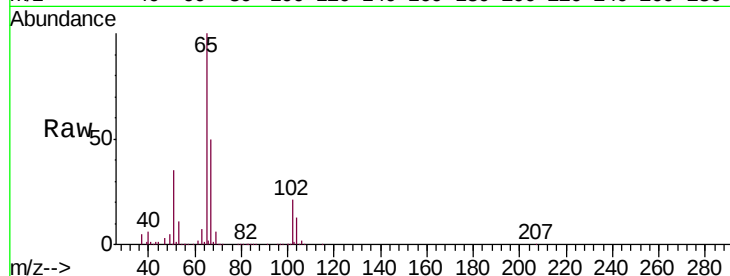
1-BRE

Tgt Ion: 65 Resp: 255738

Ion Ratio Lower Upper

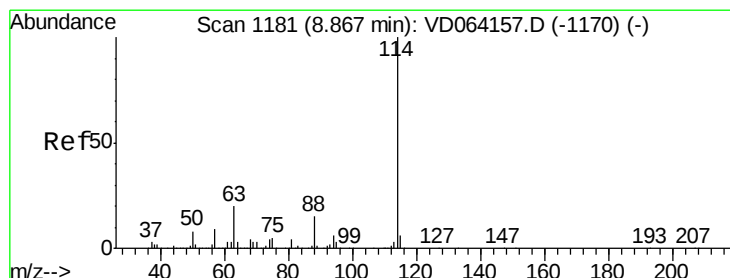
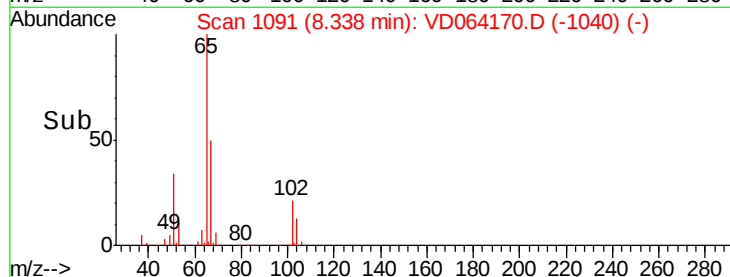
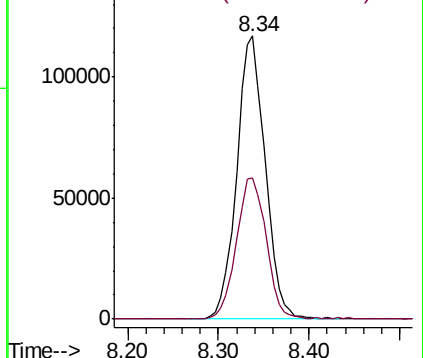
65 100

67 52.4 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: VD064170.D

Acq: 08 Nov 2019 22:34

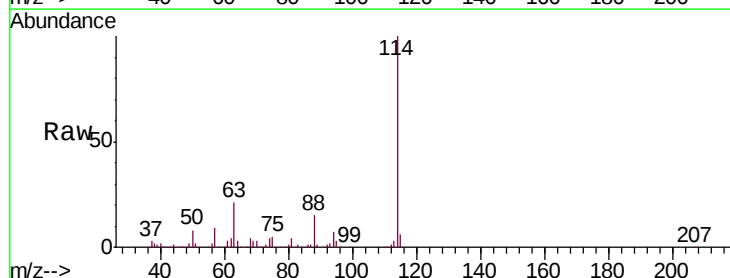
Tgt Ion: 114 Resp: 749950

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

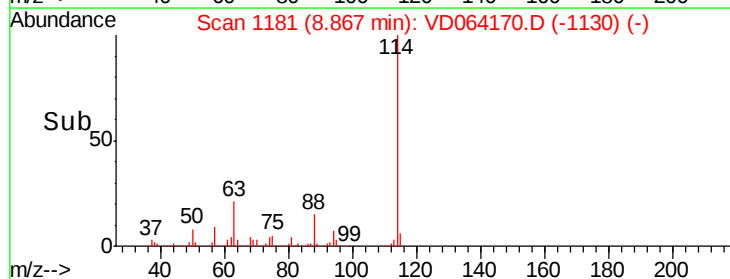
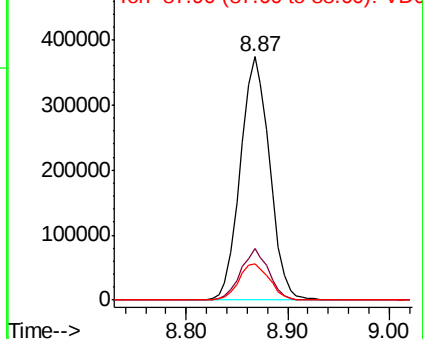
88 14.8 0.0 30.2

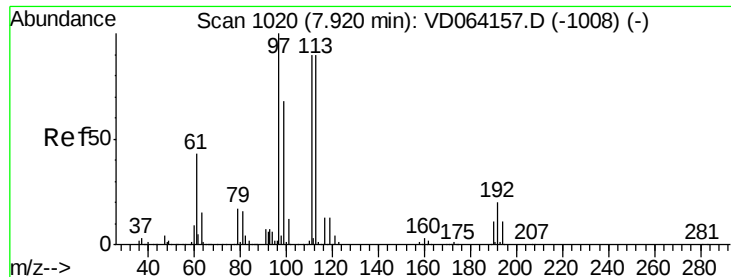


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

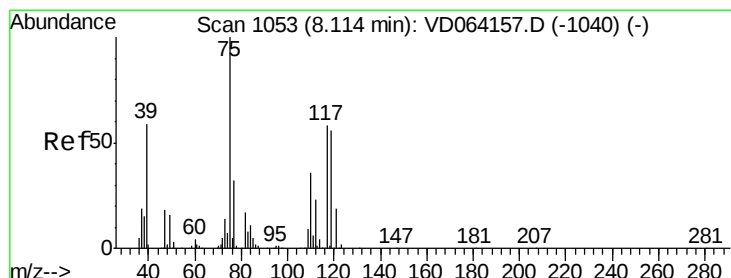
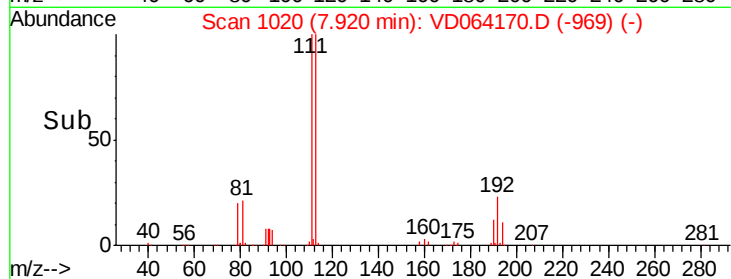
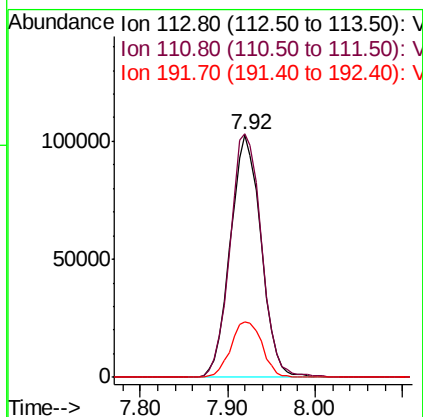
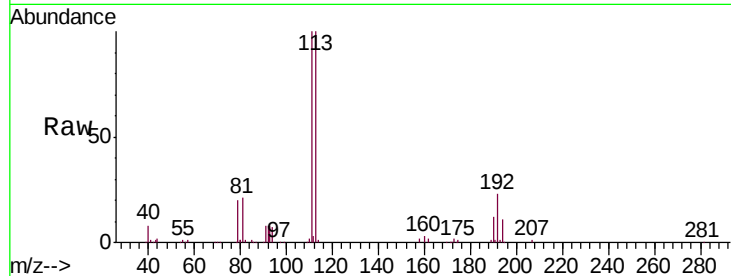




#35
 Dibromofluoromethane
 Concen: 56.678 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064170.D
 Acq: 08 Nov 2019 22:34

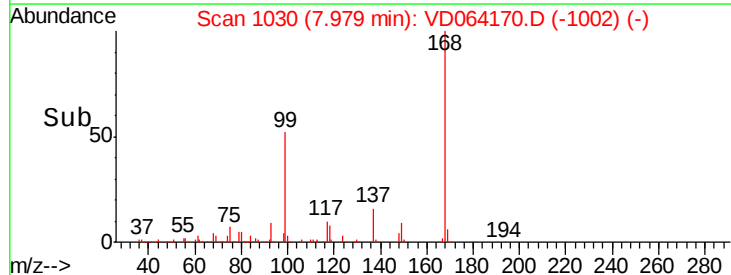
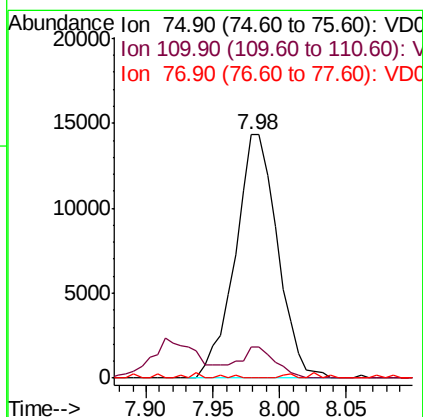
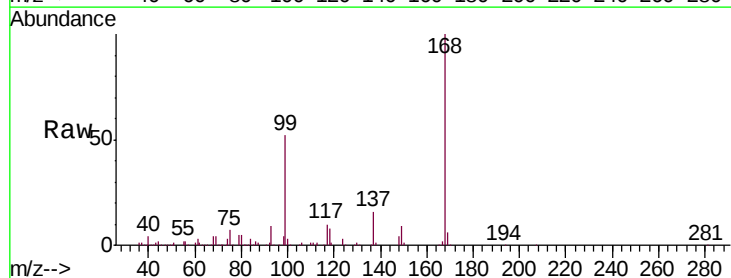
Instrument :
 MSVOA_D
 ClientSampled :
 1-BRE

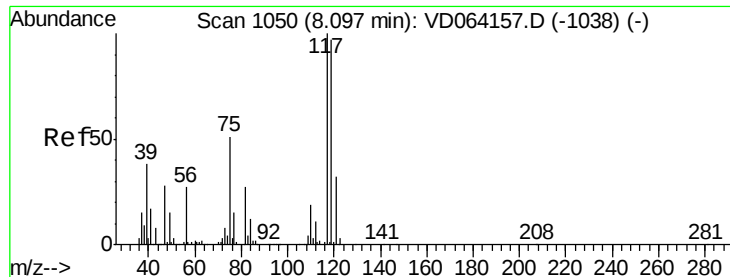
Tgt Ion:113 Resp: 243991
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 23.5 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 4.543 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064170.D
 Acq: 08 Nov 2019 22:34

Tgt Ion: 75 Resp: 31443
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.3 54.9#
 77 0.4 25.0 37.6#

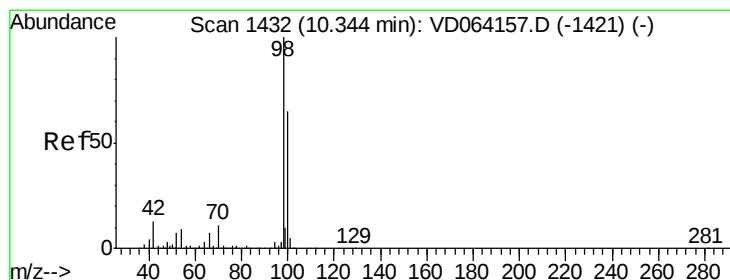
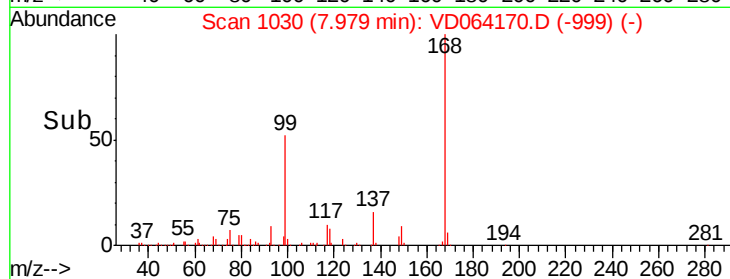
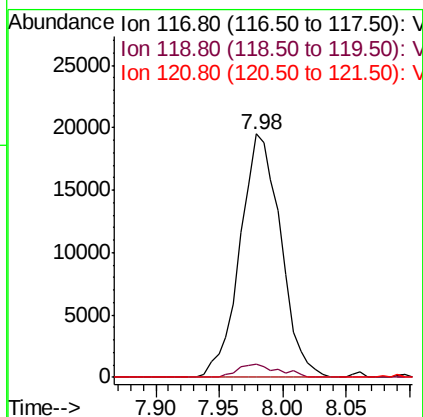
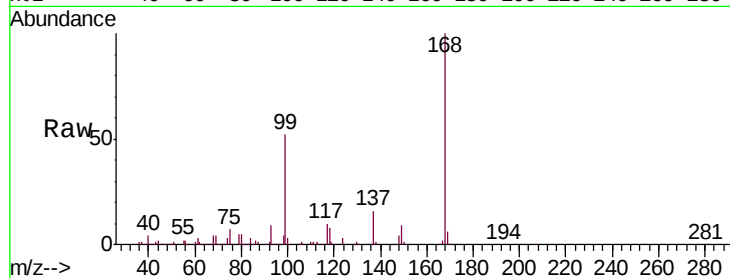




#38
Carbon Tetrachloride
Concen: 5.867 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

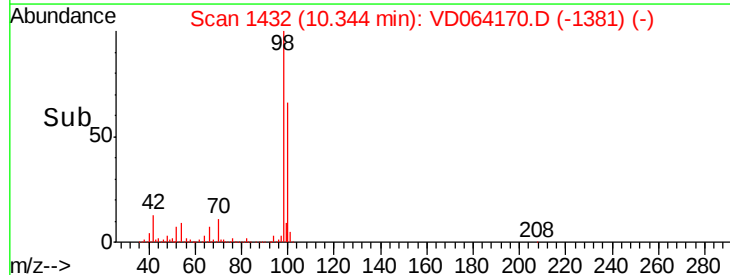
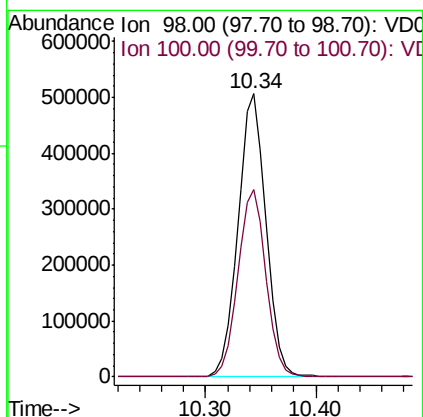
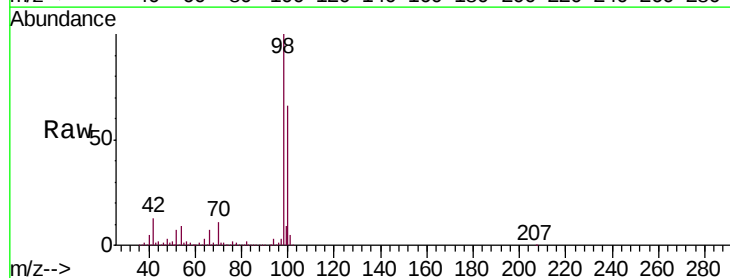
Instrument :
MSVOA_D
ClientSampled :
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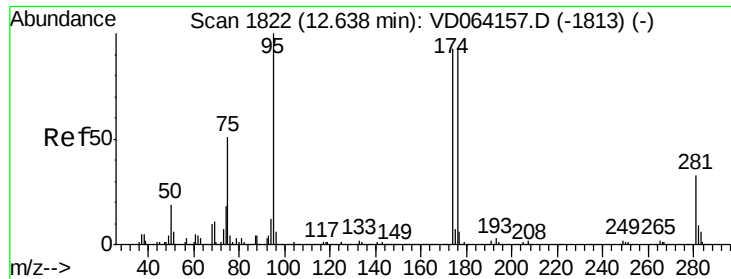
Tgt Ion:117 Resp: 43448
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 55.425 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

Tgt Ion: 98 Resp: 900087
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8

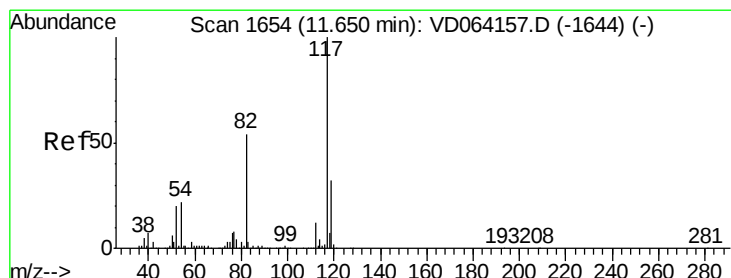
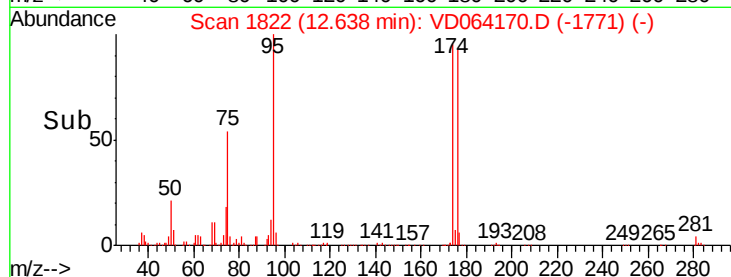
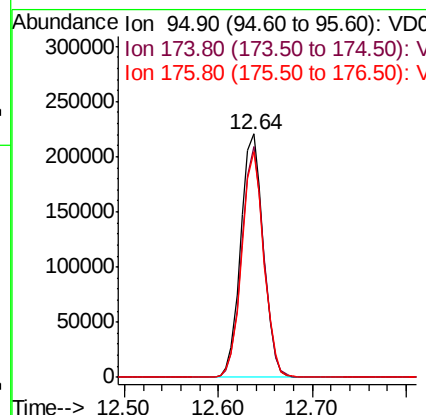
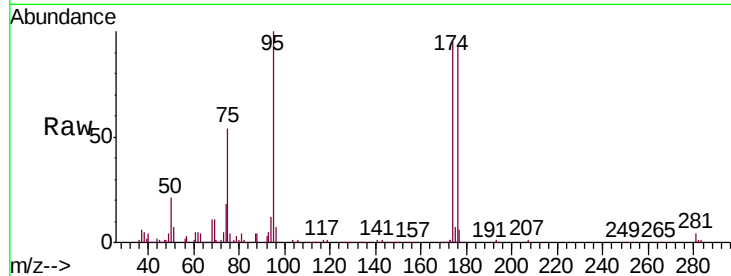




#62
4-Bromofluorobenzene
Concen: 65.424 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

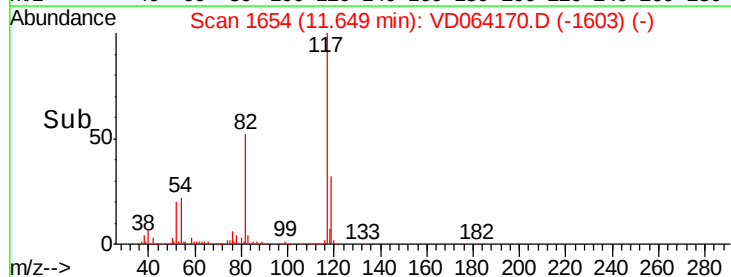
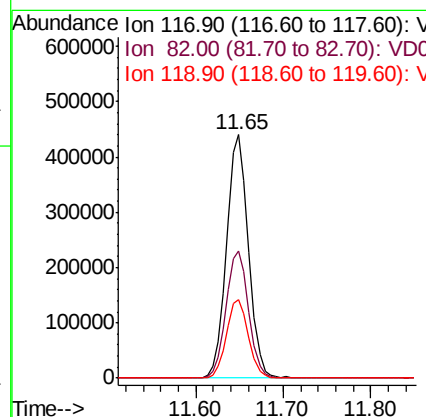
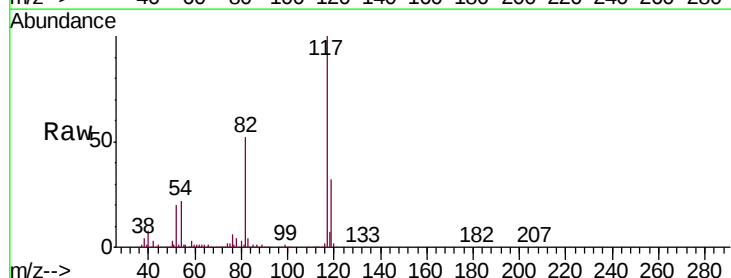
Instrument :
MSVOA_D
ClientSampleId :
1-BRE

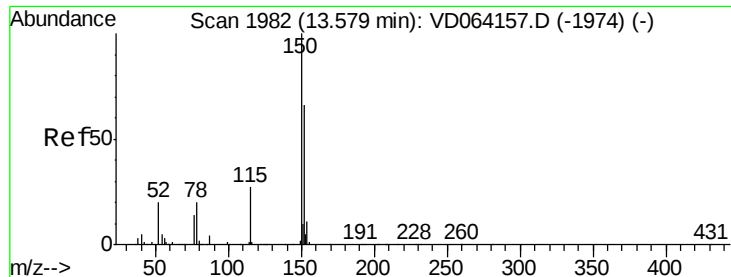
Tgt Ion: 95 Resp: 367939
Ion Ratio Lower Upper
95 100
174 92.2 0.0 183.6
176 90.3 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064170.D
Acq: 08 Nov 2019 22:34

Tgt Ion: 117 Resp: 759429
Ion Ratio Lower Upper
117 100
82 52.1 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: VD064170.D

Acq: 08 Nov 2019 22:34

Instrument :

MSVOA_D

ClientSampleId :

1-BRE

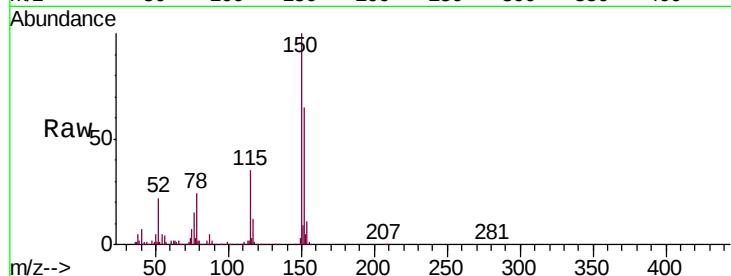
Tgt Ion: 152 Resp: 401373

Ion Ratio Lower Upper

152 100

115 54.1 27.4 82.2

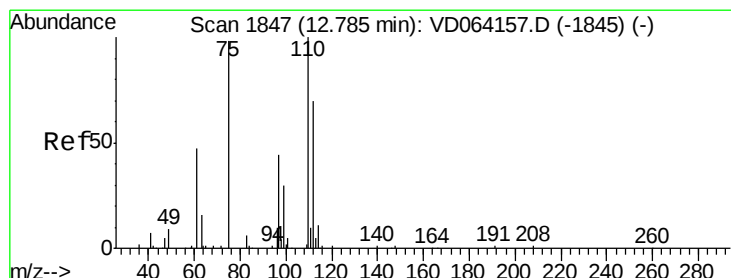
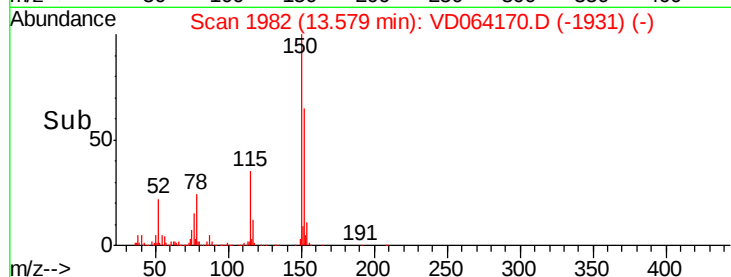
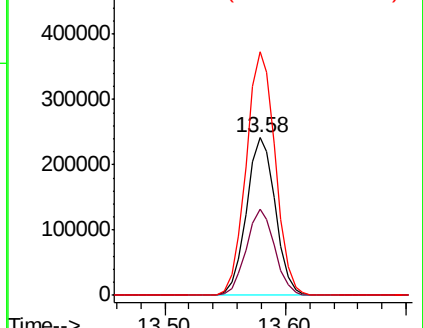
150 155.9 0.0 351.6



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: 59.171 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064170.D

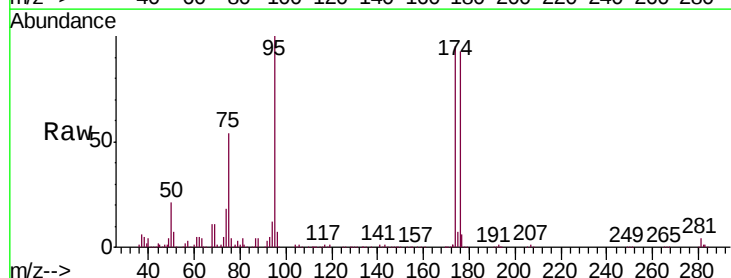
Acq: 08 Nov 2019 22:34

Tgt Ion: 75 Resp: 191296

Ion Ratio Lower Upper

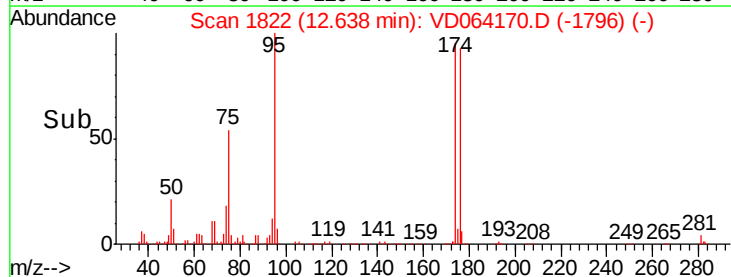
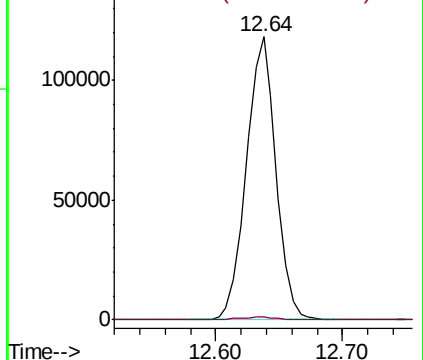
75 100

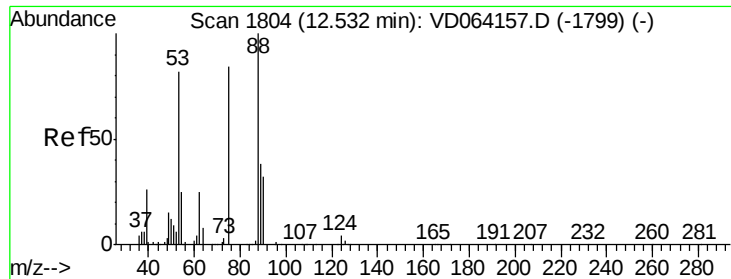
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 117.537 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064170.D

Acq: 08 Nov 2019 22:34

Instrument :

MSVOA_D

ClientSampleId :

1-BRE

Tgt Ion: 75 Resp: 191296

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

