

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064291.D
 Acq On : 19 Nov 2019 15:53
 Operator : VA/SY
 Sample : K5923-02
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:27:10 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	84833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	127344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	116375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	59186	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	45673	65.46	ug/l	0.00
Spiked Amount			Recovery	=	130.92%	
35) Dibromofluoromethane	7.92	113	37803	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	10.34	98	147641	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.64	95	50177	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	

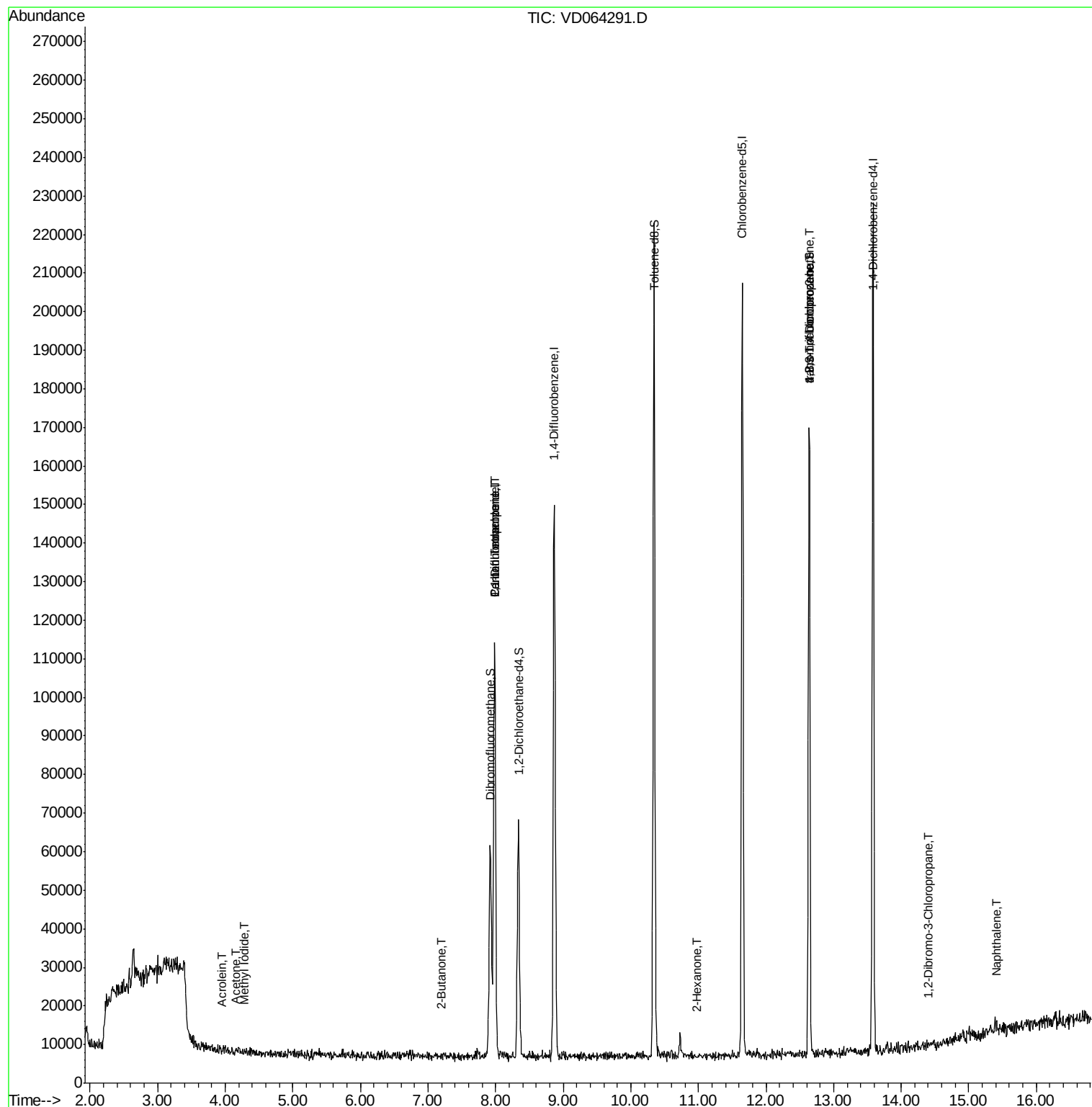
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	59	2.098	ug/l #	41
13) Acrolein	3.94	56	59	1.431	ug/l #	15
16) Acetone	4.16	43	804	4.864	ug/l #	45
25) 2-Butanone	7.20	43	587	2.749	ug/l #	49
36) 1,1-Dichloropropene	7.99	75	5878	5.001	ug/l #	49
38) Carbon Tetrachloride	7.98	117	7511	5.973	ug/l #	16
59) 2-Hexanone	10.98	43	434	1.246	ug/l #	44
76) 1,2,3-Trichloropropane	12.64	75	27364	57.400	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	27364	114.019	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.40	75	142	1.213	ug/l #	1
95) Naphthalene	15.41	128	2206	1.052	ug/l #	82

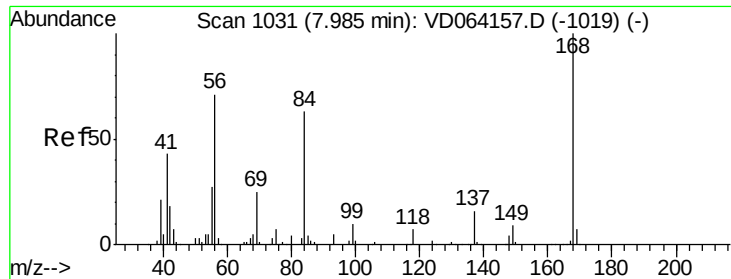
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

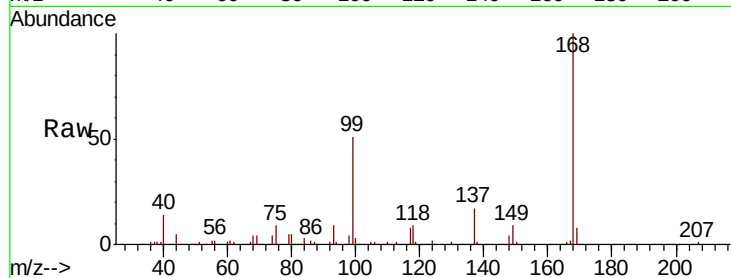
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 84833

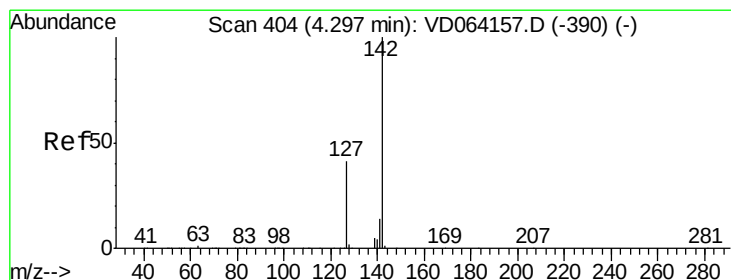
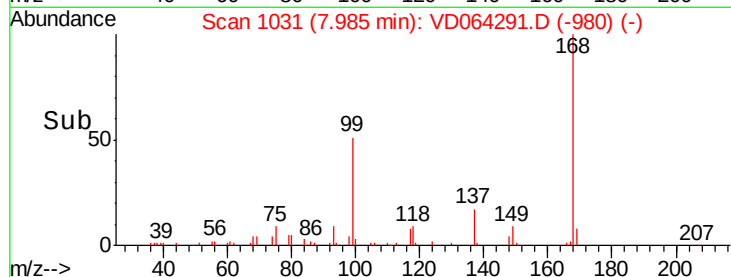
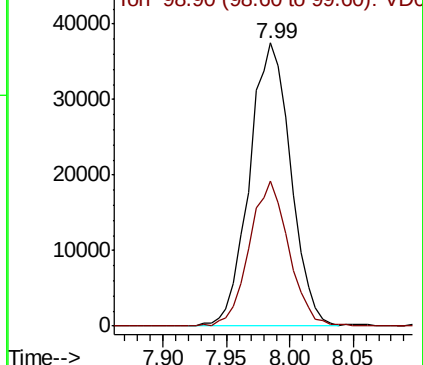
Ion Ratio Lower Upper

168 100

99 51.2 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: 2.098 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

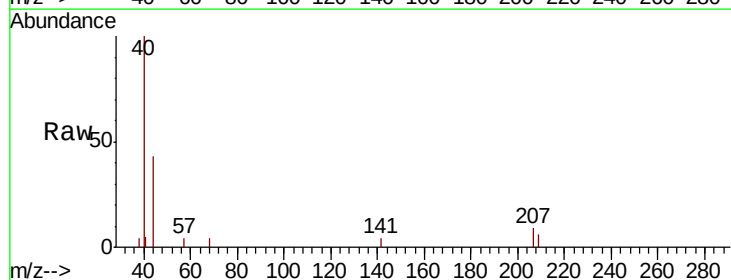
Tgt Ion:142 Resp: 59

Ion Ratio Lower Upper

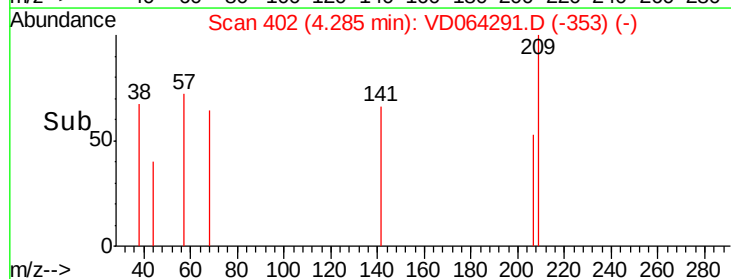
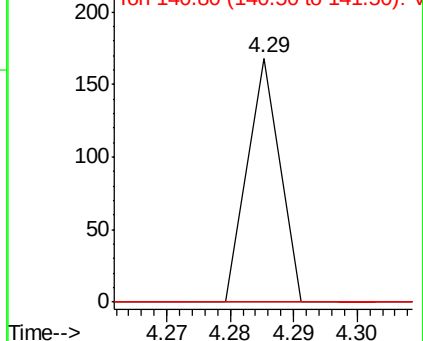
142 100

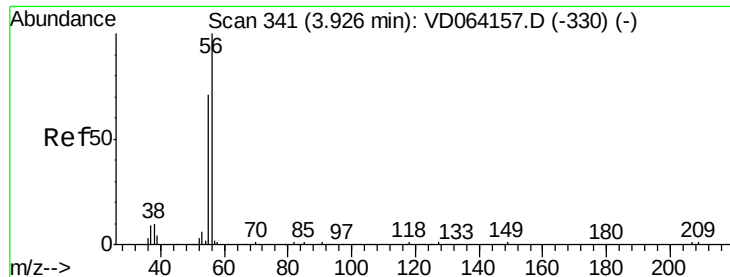
127 0.0 34.4 51.6#

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





#13

Acrolein

Concen: 1.431 ug/l

RT: 3.94 min Scan# 344

Delta R.T. 0.02 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

Instrument :

MSVOA_D

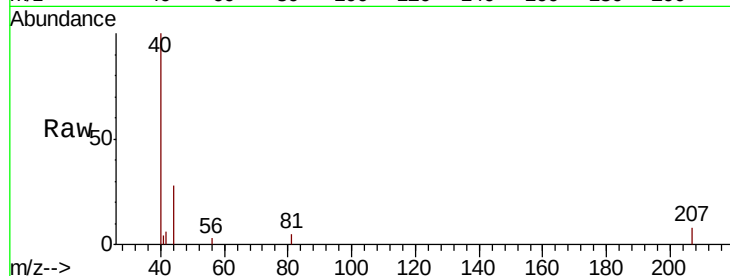
ClientSampleId :

Tot Ion: 56 Resp: 59

Ion Ratio Lower Upper

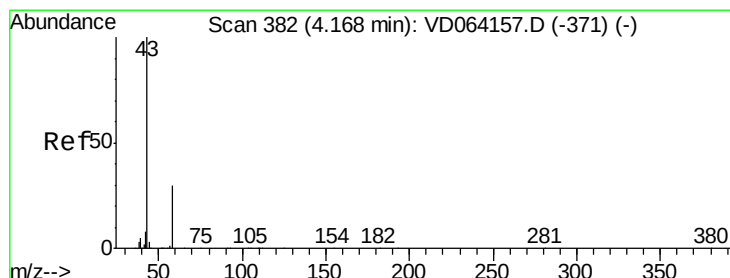
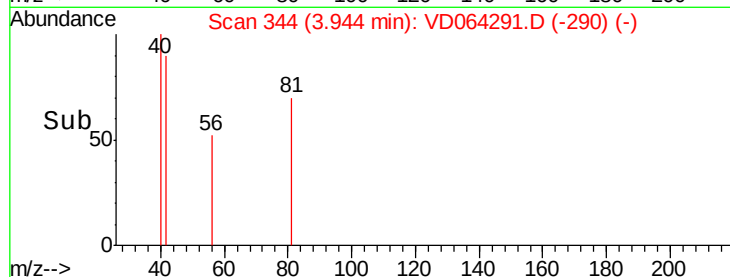
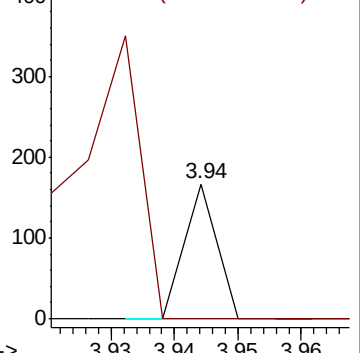
56 100

55 0.0 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: 4.864 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064291.D

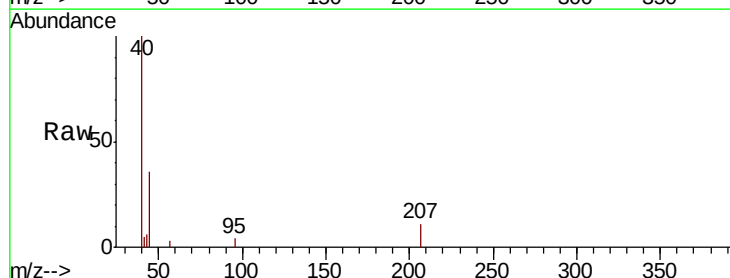
Acq: 19 Nov 2019 15:53

Tgt Ion: 43 Resp: 804

Ion Ratio Lower Upper

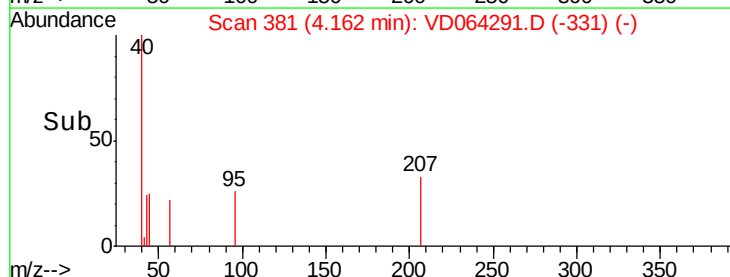
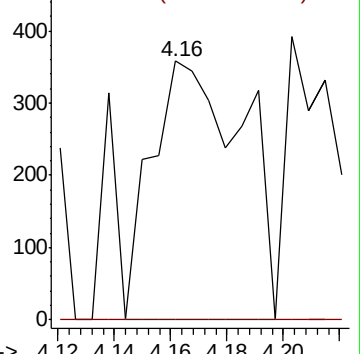
43 100

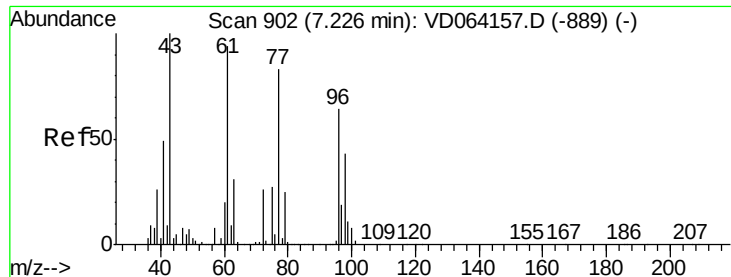
58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

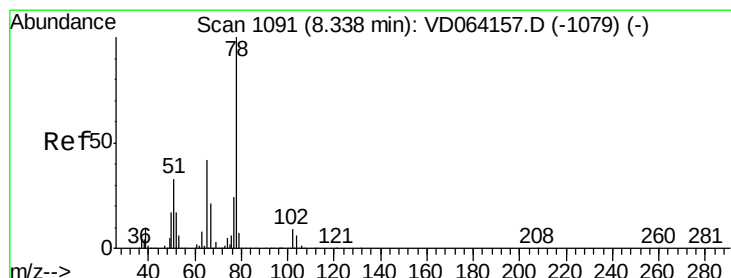
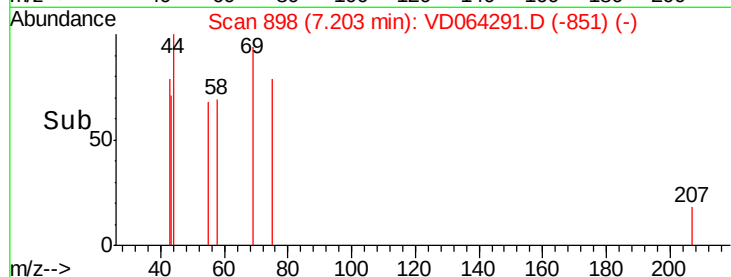
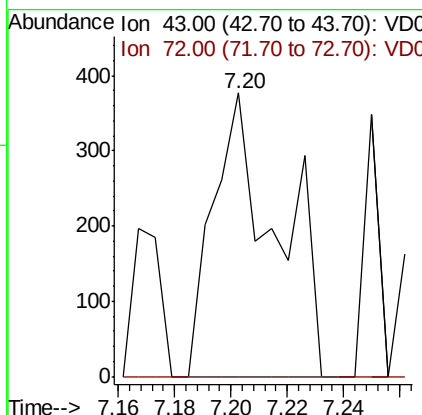
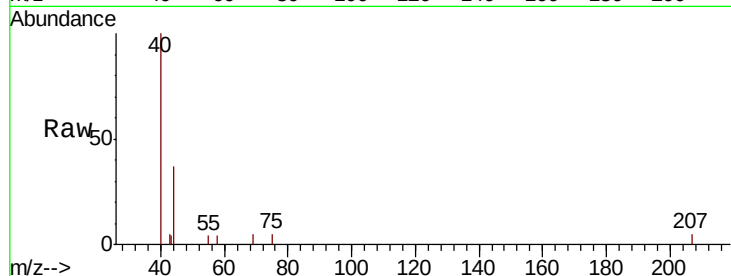




#25
2-Butanone
Concen: 2.749 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.02 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

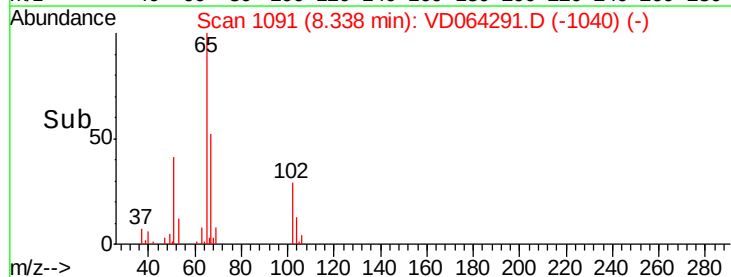
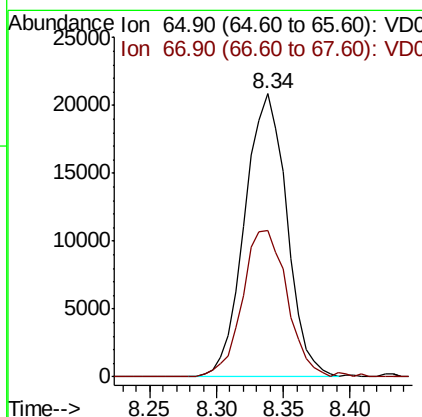
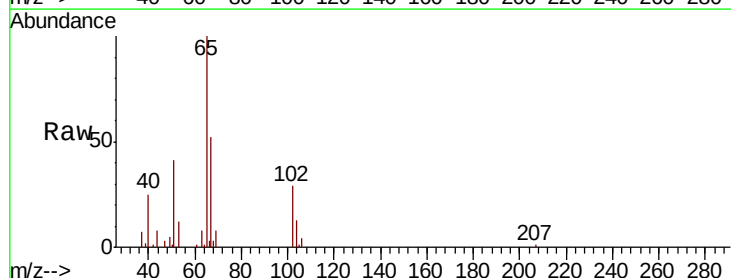
Instrument :
MSVOA_D
ClientSampled :

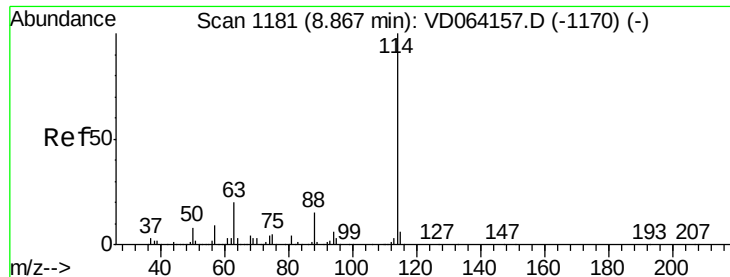
Tot Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



#33
1,2-Dichloroethane-d4
Concen: 65.462 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

Tgt Ion: 65 Resp: 45673
Ion Ratio Lower Upper
65 100
67 54.5 0.0 104.4

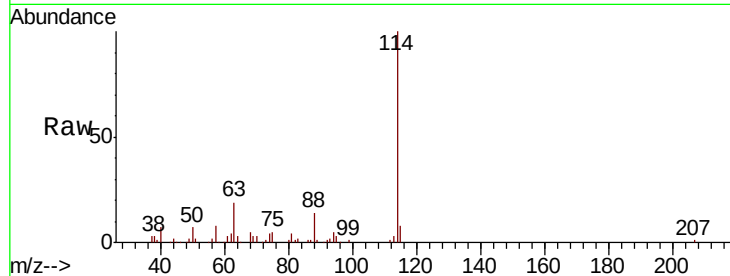




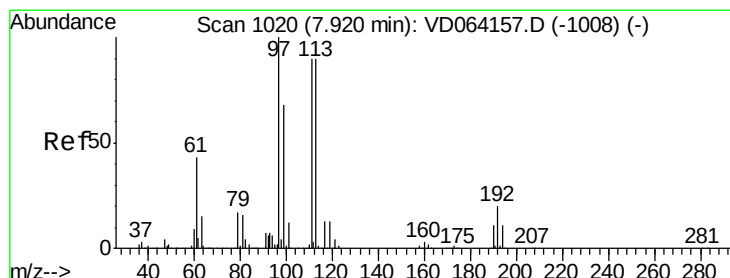
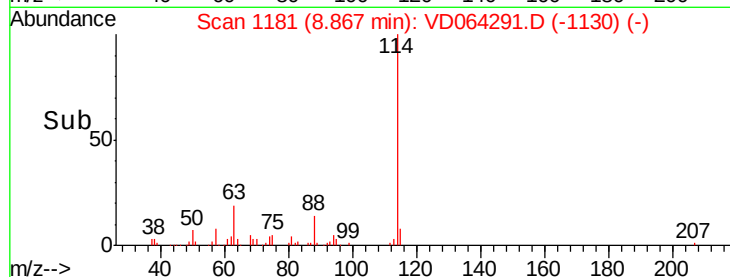
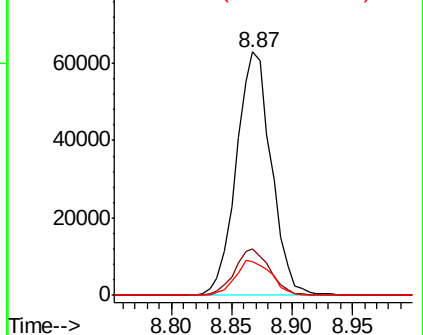
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064291.D
 Acq: 19 Nov 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	40.0
88	14.1	0.0	30.2

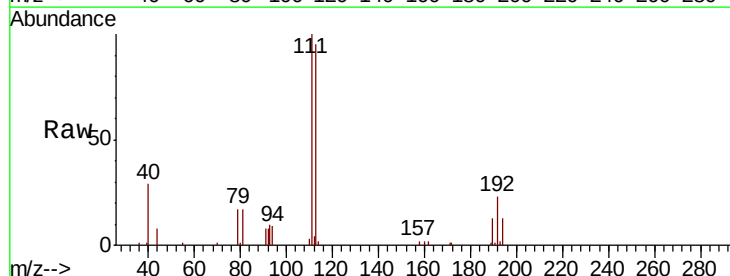


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

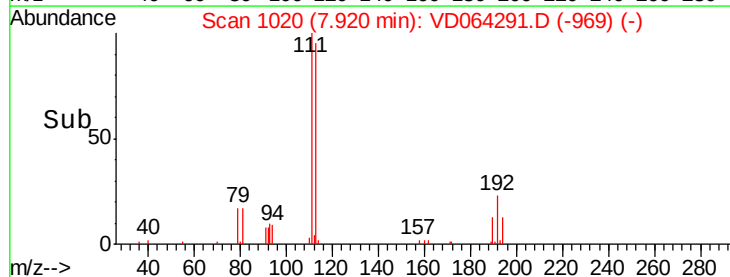
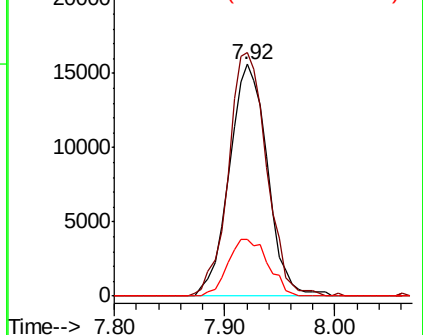


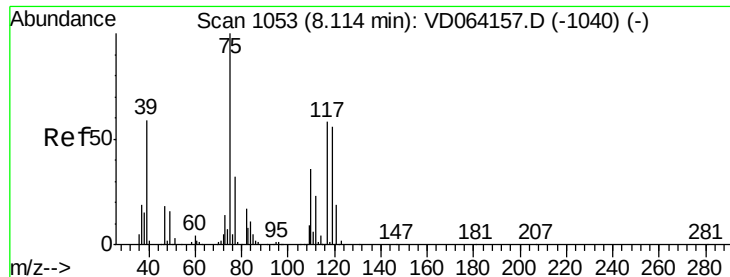
#35
 Dibromofluoromethane
 Concen: 51.716 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064291.D
 Acq: 19 Nov 2019 15:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.5	122.3
192	25.9	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: 5.001 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

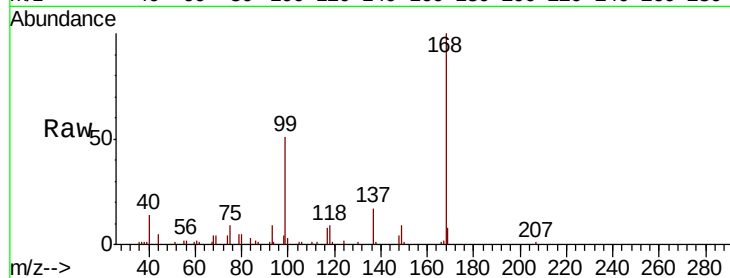
Tot Ion: 75 Resp: 5878

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.9#

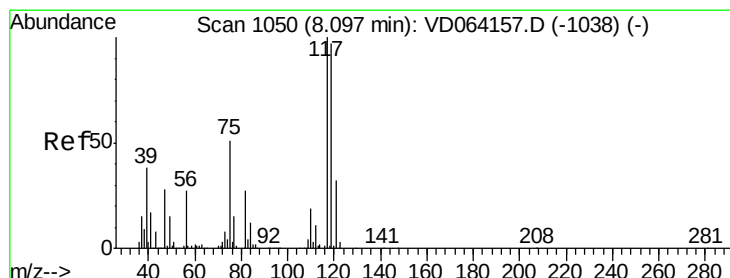
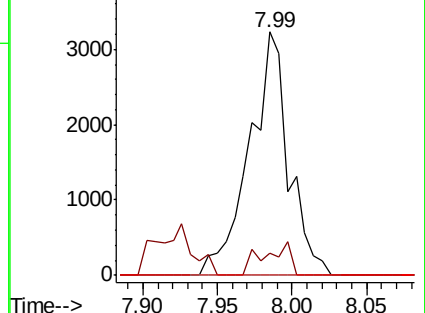
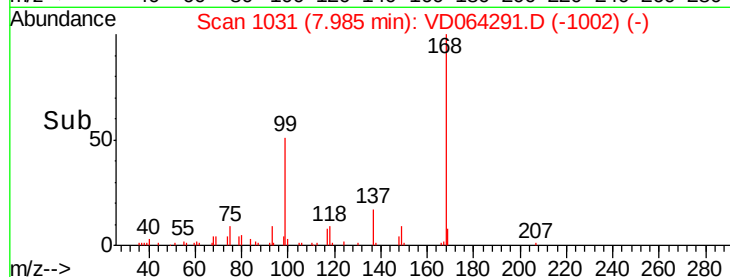
77 0.0 25.0 37.6#



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: 5.973 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

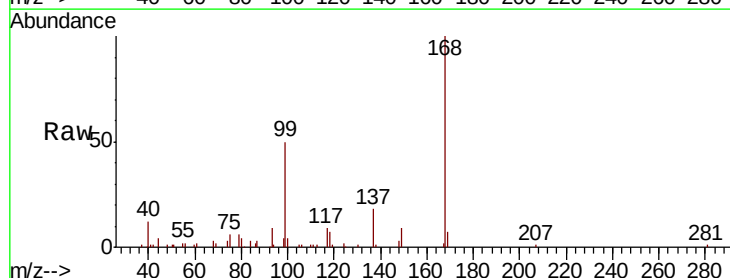
Tgt Ion: 117 Resp: 7511

Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

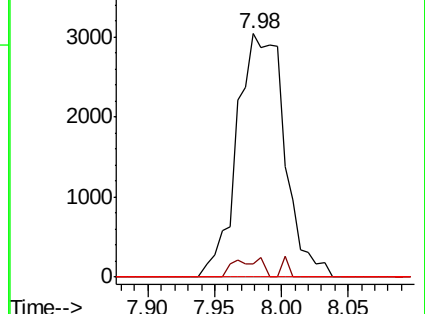
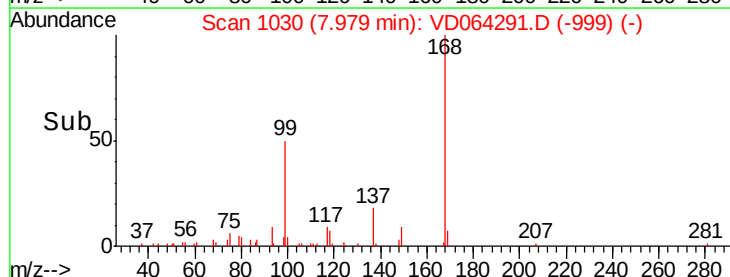
121 0.0 25.5 38.3#

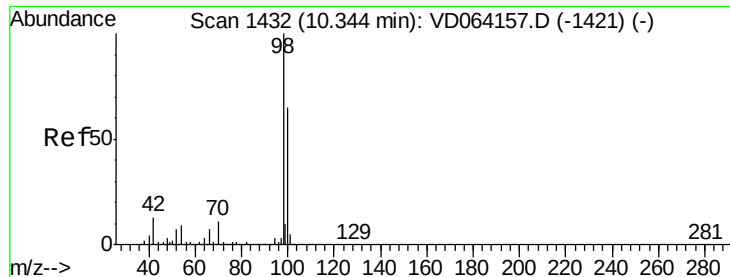


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

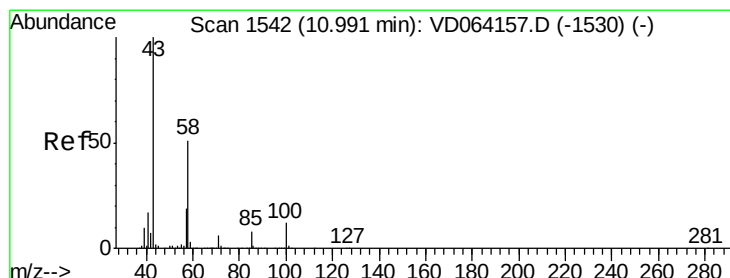
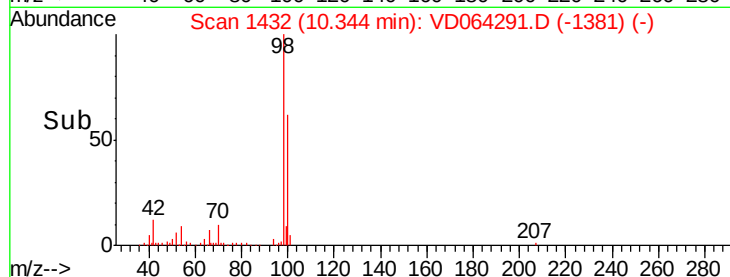
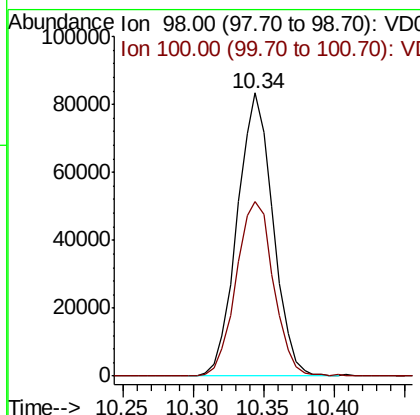
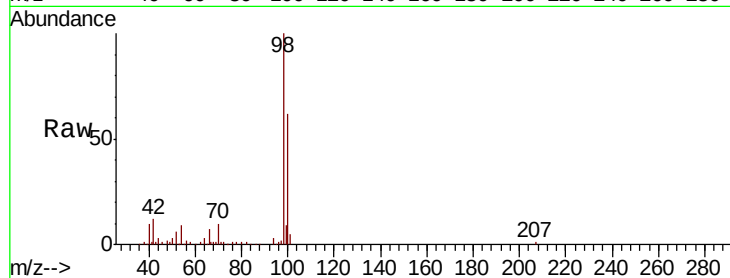




#50
Toluene-d8
Concen: 53.541 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

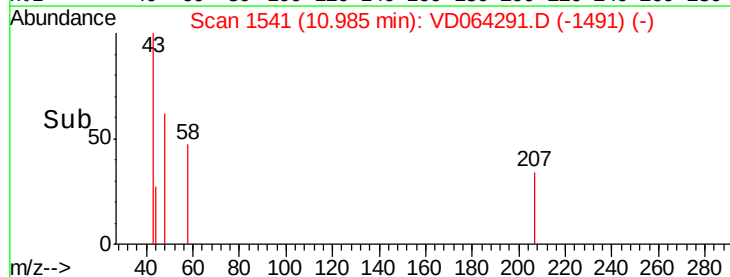
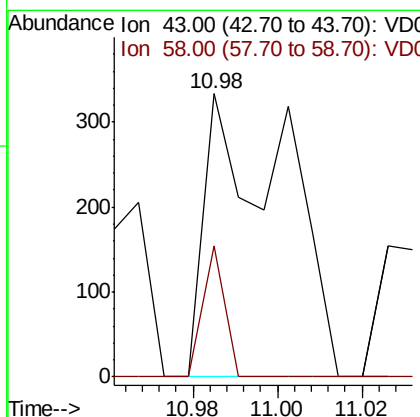
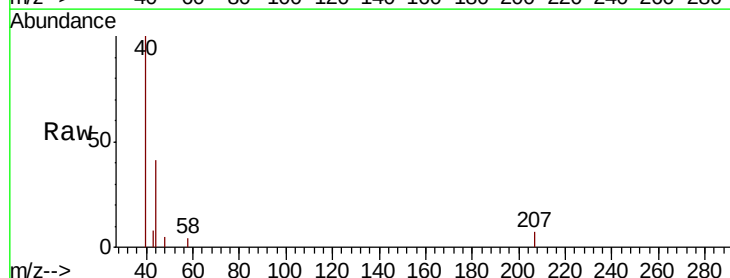
Instrument :
MSVOA_D
ClientSampled :

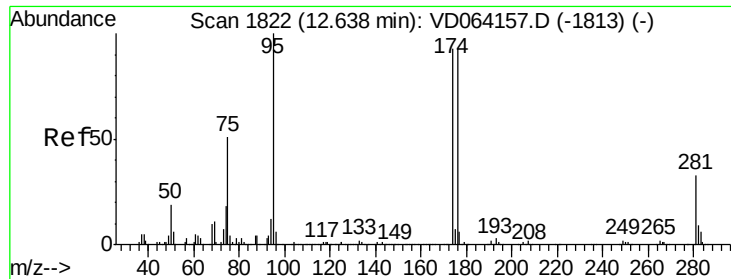
Tot Ion: 98 Resp: 147641
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#59
2-Hexanone
Concen: 1.246 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
58 12.7 25.9 77.7#

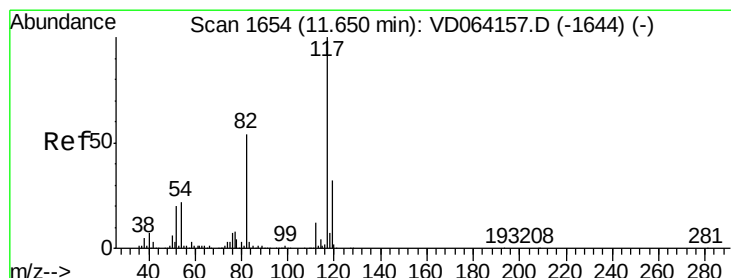
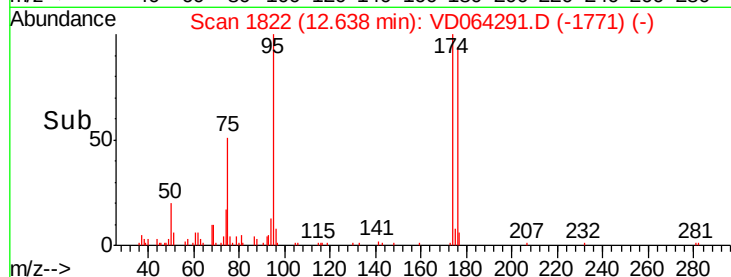
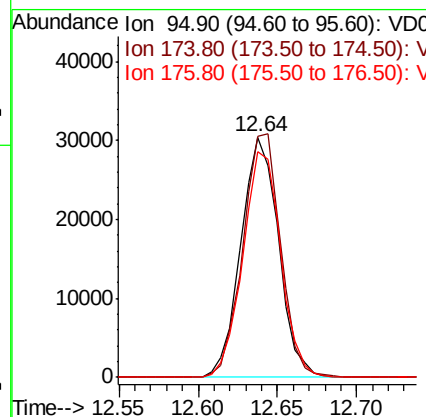
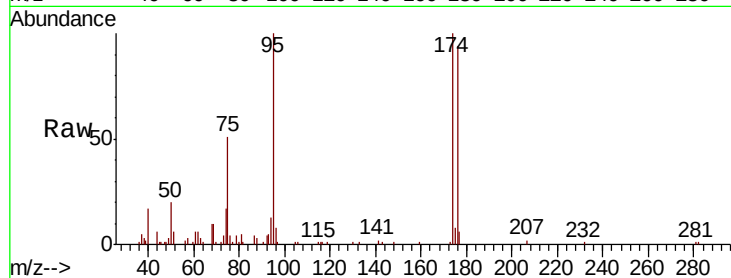




#62
4-Bromofluorobenzene
Concen: 52.544 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

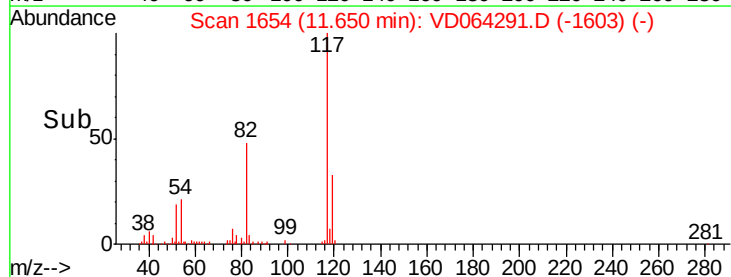
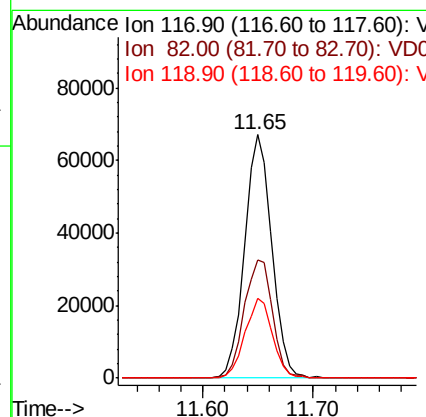
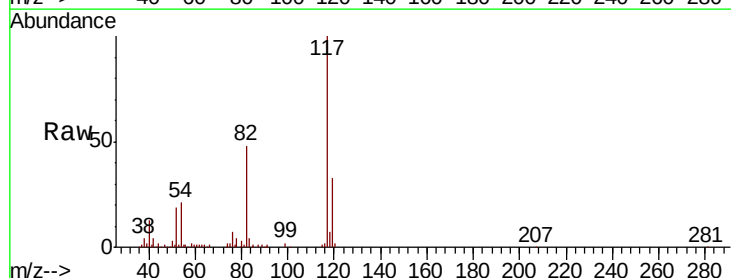
Instrument :
MSVOA_D
ClientSampleId :

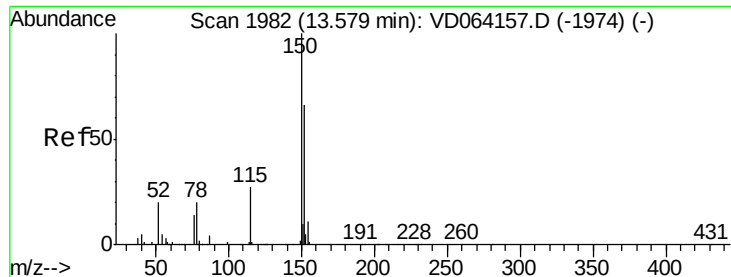
Tot Ion: 95 Resp: 50177
Ion Ratio Lower Upper
95 100
174 101.3 0.0 183.6
176 94.7 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064291.D
Acq: 19 Nov 2019 15:53

Tgt Ion: 117 Resp: 116375
Ion Ratio Lower Upper
117 100
82 48.4 42.8 64.2
119 32.7 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: VD064291.D

Acq: 19 Nov 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

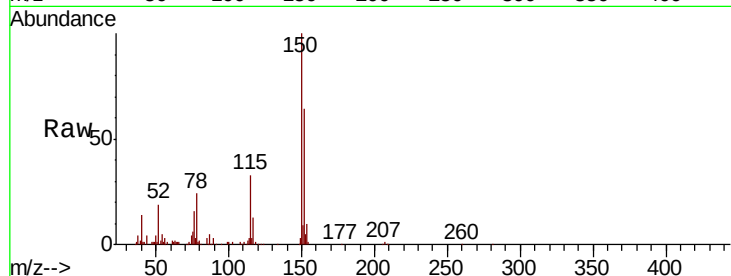
Tot Ion:152 Resp: 59186

Ion Ratio Lower Upper

152 100

115 55.1 27.4 82.2

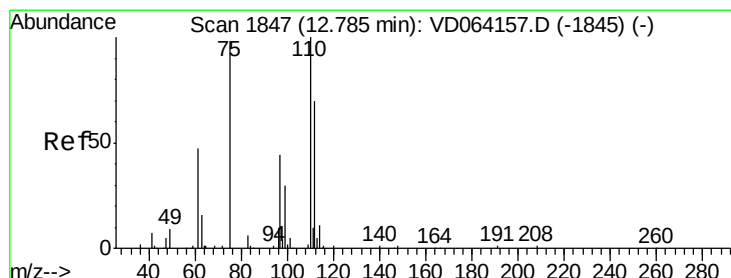
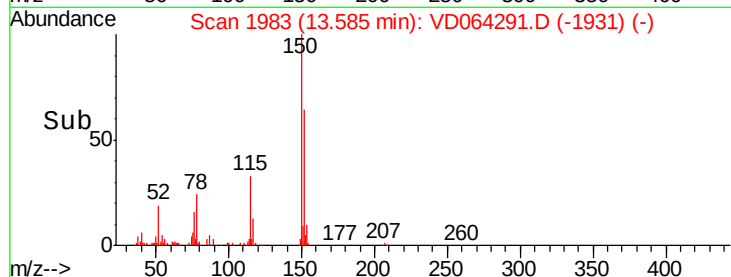
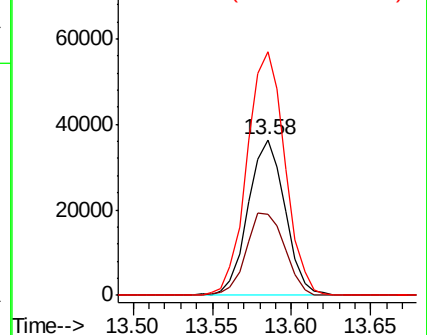
150 160.1 0.0 351.6



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: 57.400 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.14 min

Lab File: VD064291.D

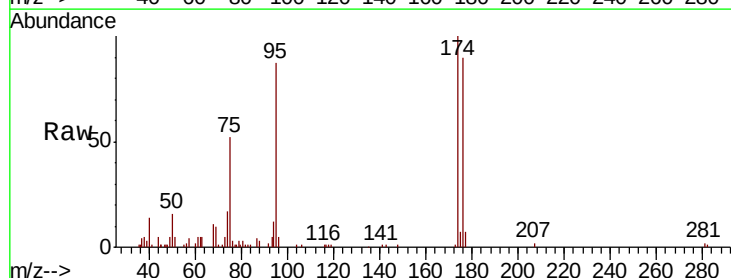
Acq: 19 Nov 2019 15:53

Tgt Ion: 75 Resp: 27364

Ion Ratio Lower Upper

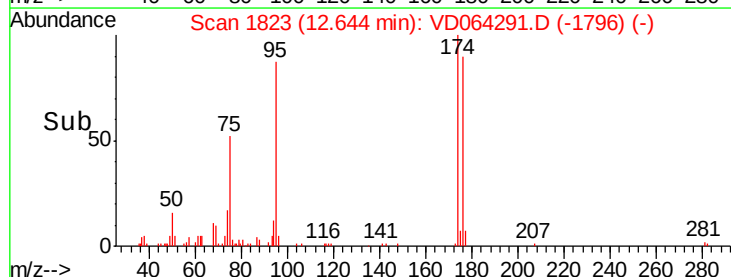
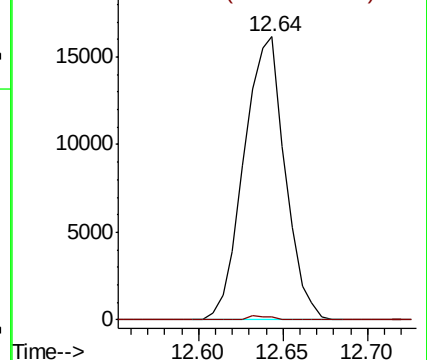
75 100

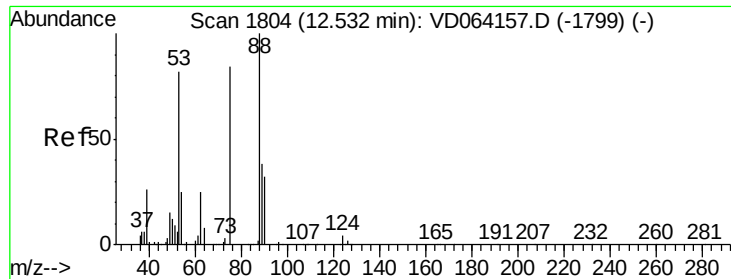
77 0.8 0.0 0.0#



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: 114.019 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

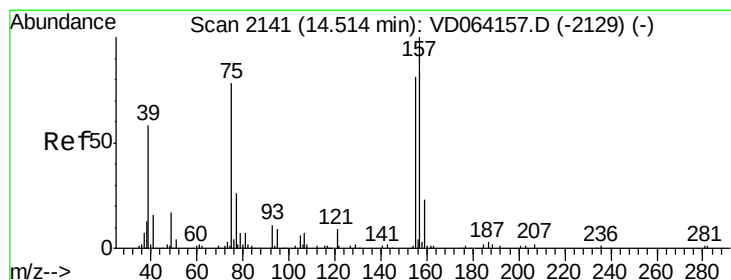
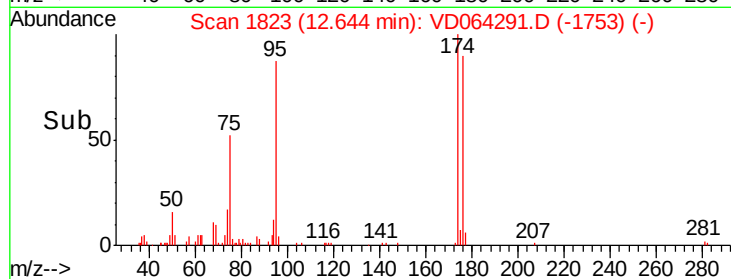
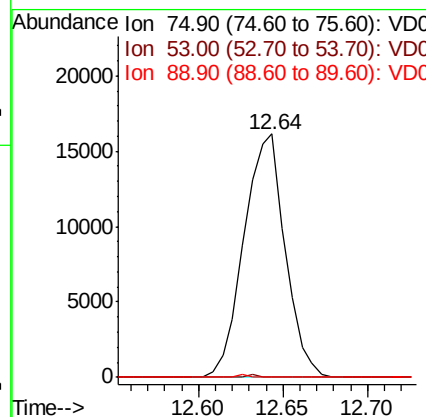
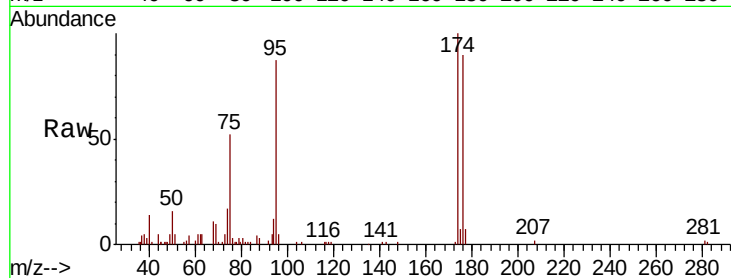
Tot Ion: 75 Resp: 27364

Ion Ratio Lower Upper

75 100

53 0.2 79.4 119.0#

89 0.3 36.6 55.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.213 ug/l

RT: 14.40 min Scan# 2121

Delta R.T. -0.12 min

Lab File: VD064291.D

Acq: 19 Nov 2019 15:53

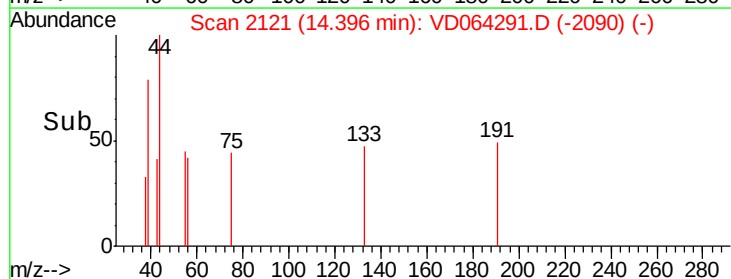
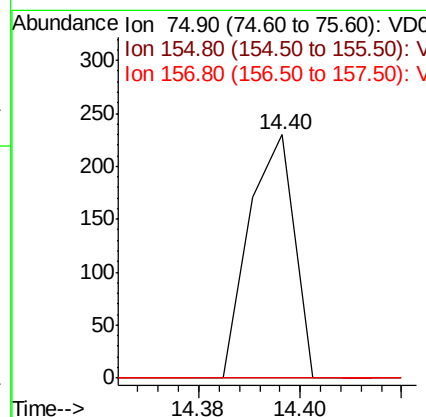
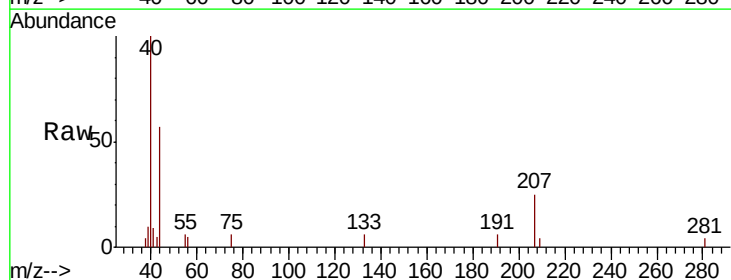
Tgt Ion: 75 Resp: 142

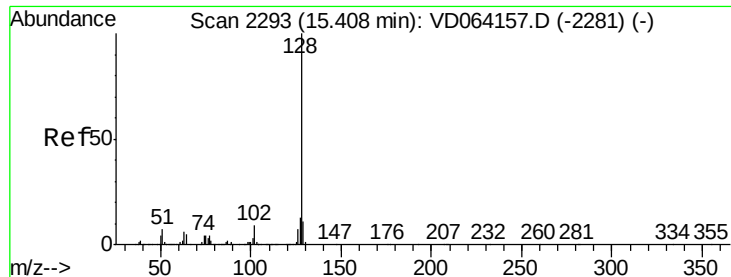
Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.0#

157 0.0 61.5 184.4#

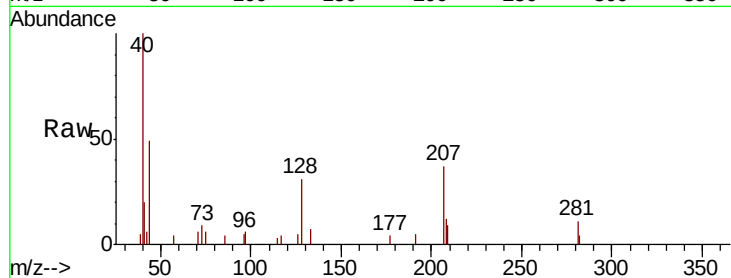




#95
 Naphthalene
 Concen: 1.052 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD064291.D
 Acq: 19 Nov 2019 15:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.5	10.5	15.7#
129	0.0	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

