

Data File : VD065039.D
Acq On : 31 Jan 2020 17:45
Operator : VA/SY
Sample : L1345-03
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
01-31-C

Quant Time: Feb 03 00:25:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	30066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	44333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	45976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	21080	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	20782	72.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.12%	
35) Dibromofluoromethane	7.92	113	17834	64.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.02%	
50) Toluene-d8	10.34	98	51660	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
62) 4-Bromofluorobenzene	12.64	95	17797	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	

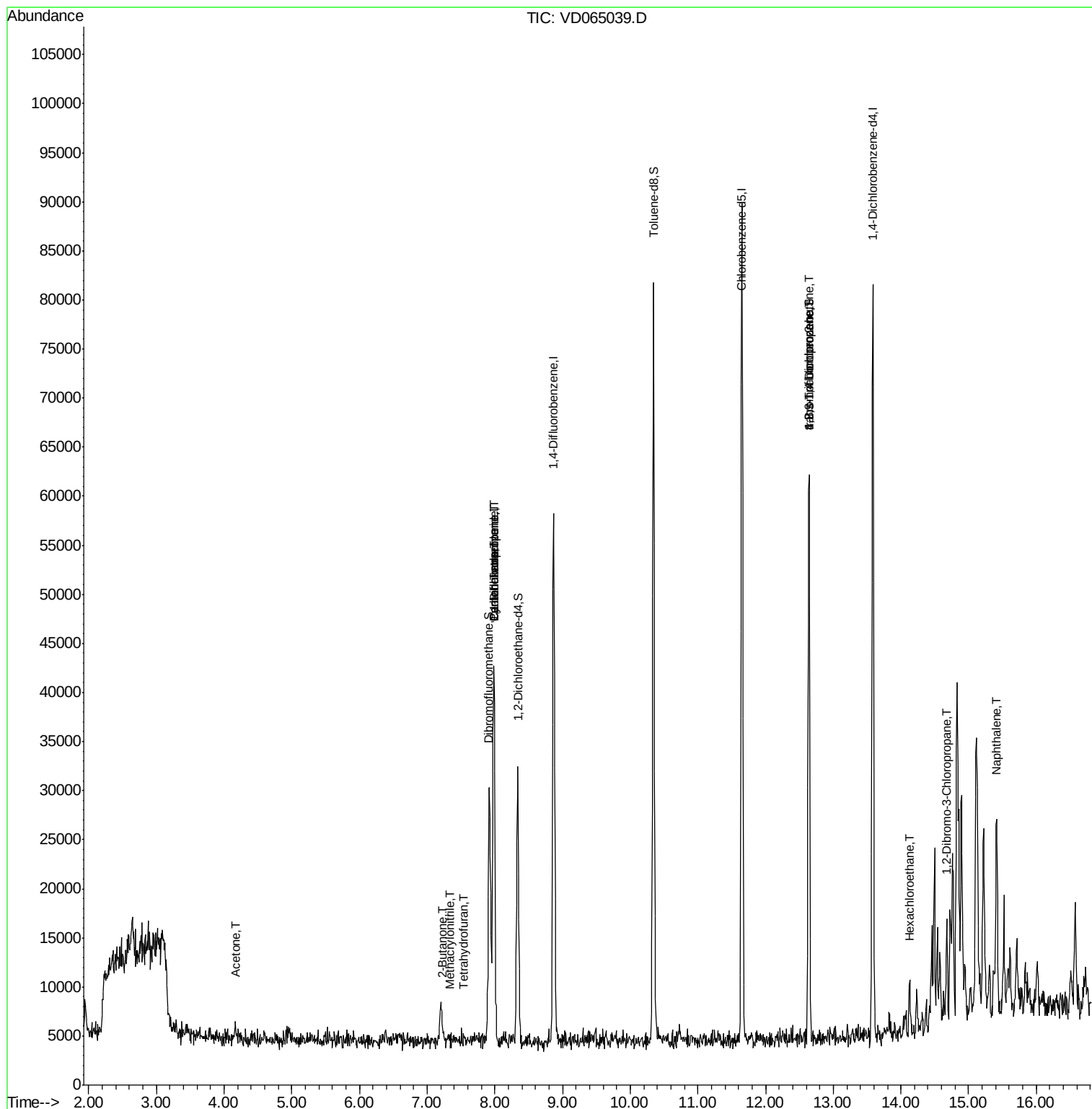
Target Compounds				Qvalue		
16) Acetone	4.17	43	1512	31.710	ug/l #	54
20) Methylene Chloride	4.95	84	278	Below Cal	#	53
25) 2-Butanone	7.23	43	354	4.543	ug/l #	49
29) Tetrahydrofuran	7.54	42	65	1.352	ug/l #	34
31) Cyclohexane	7.99	56	765	1.523	ug/l #	28
36) 1,1-Dichloropropene	7.99	75	2144	5.015	ug/l #	42
38) Carbon Tetrachloride	7.98	117	3033	6.712	ug/l #	14
41) Methacrylonitrile	7.33	41	136	1.430	ug/l #	48
76) 1,2,3-Trichloropropane	12.64	75	9734	55.634	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	9734	118.791	ug/l #	9
90) Hexachloroethane	14.12	117	460	1.797	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.68	75	56	1.445	ug/l #	1
95) Naphthalene	15.41	128	13189	20.571	ug/l #	93

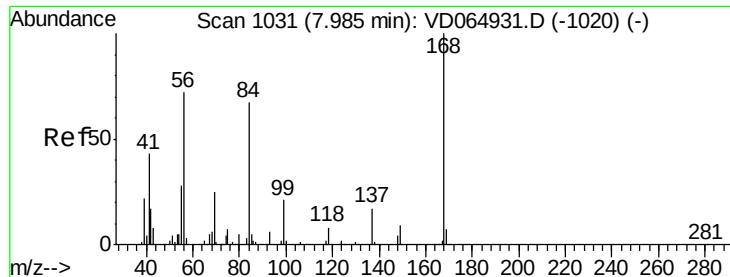
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

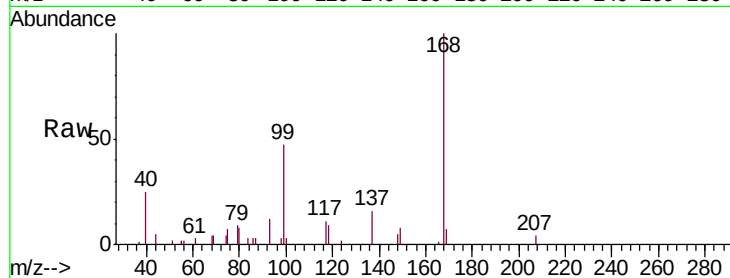
01-31-C

Tgt Ion:168 Resp: 30066

Ion Ratio Lower Upper

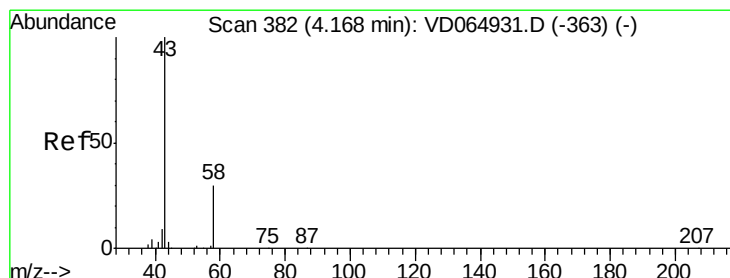
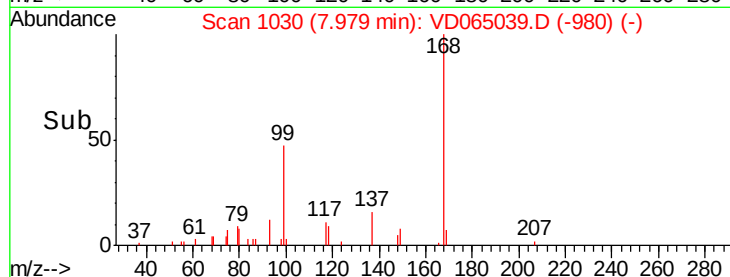
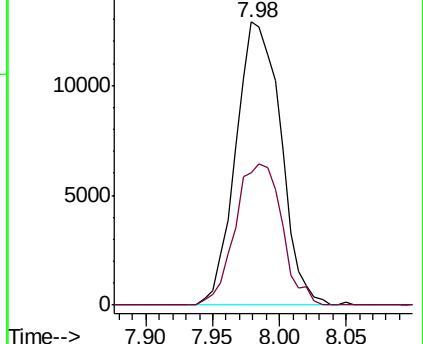
168 100

99 46.6 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 31.710 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065039.D

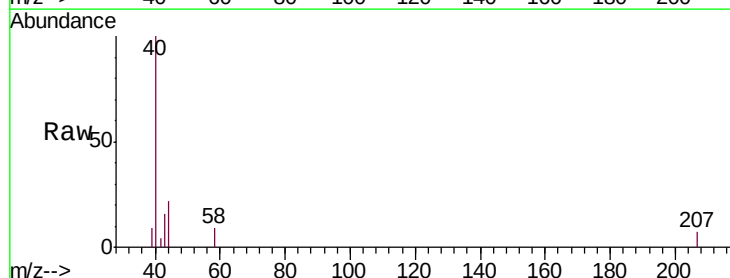
Acq: 31 Jan 2020 17:45

Tgt Ion: 43 Resp: 1512

Ion Ratio Lower Upper

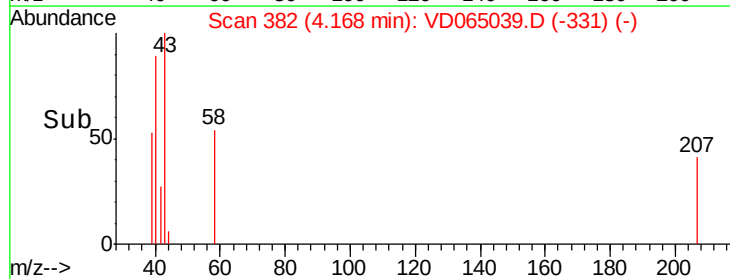
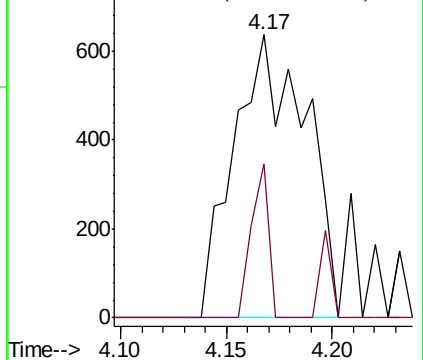
43 100

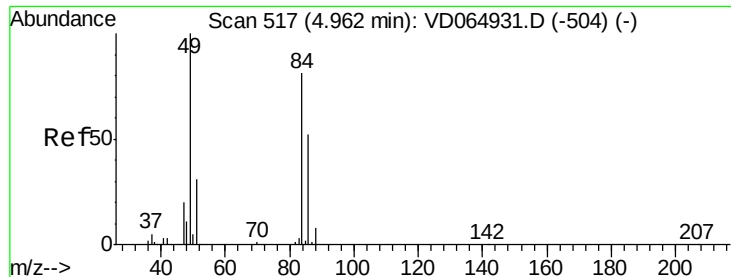
58 54.5 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

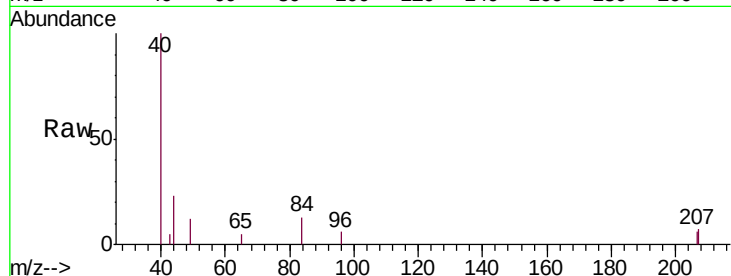




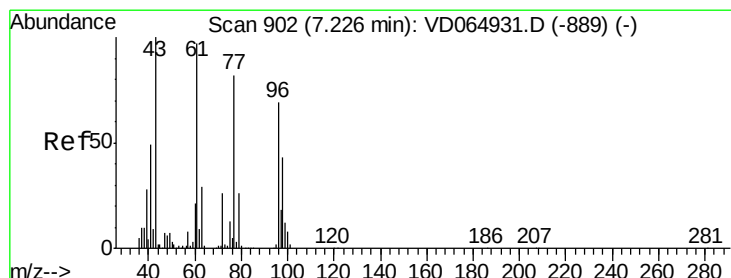
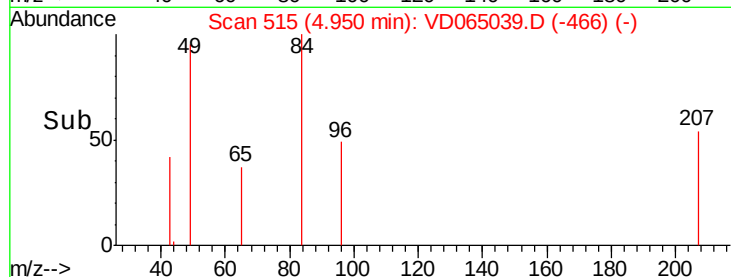
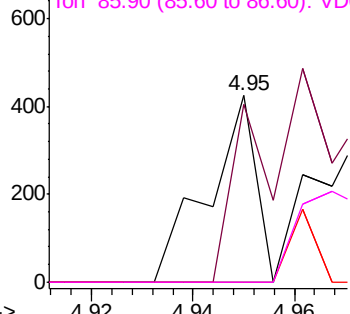
#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

Instrument :
MSVOA_D
ClientSampled :
01-31-C

Tgt Ion: 84 Resp: 278
Ion Ratio Lower Upper
84 100
49 95.3 98.4 147.6#
51 0.0 30.8 46.2#
86 0.0 51.0 76.6#

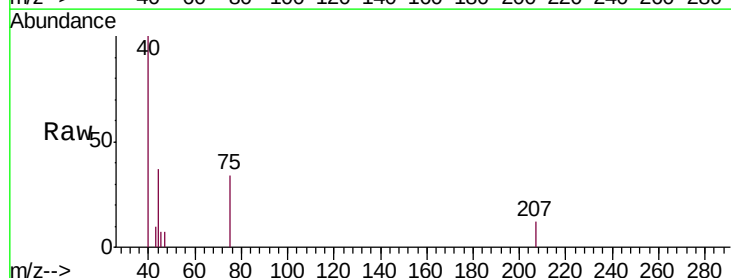


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

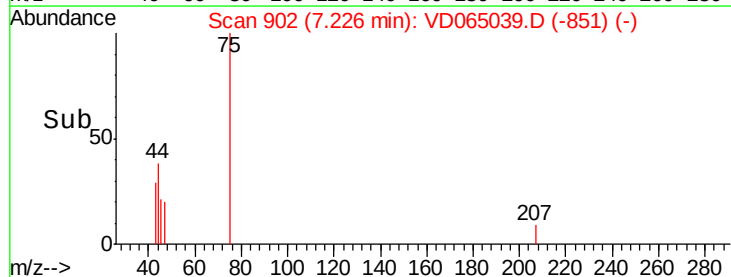
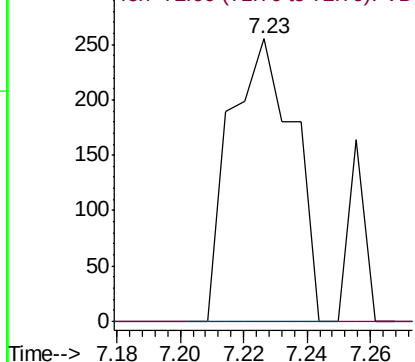


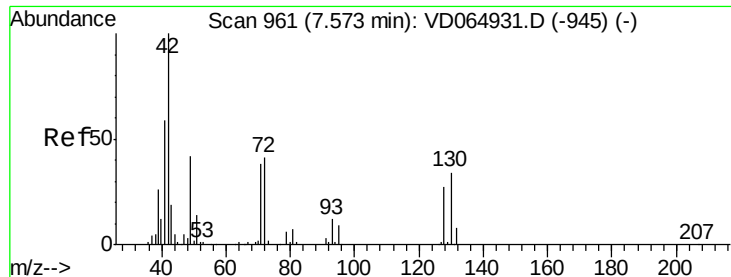
#25
2-Butanone
Concen: 4.543 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

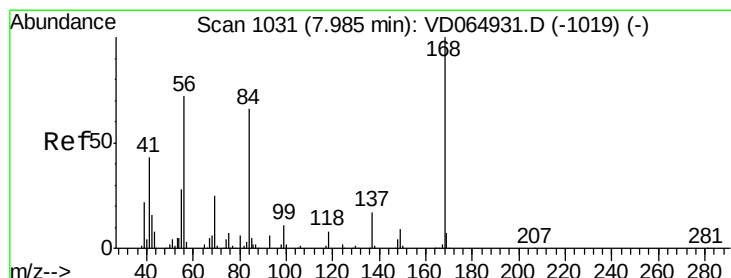
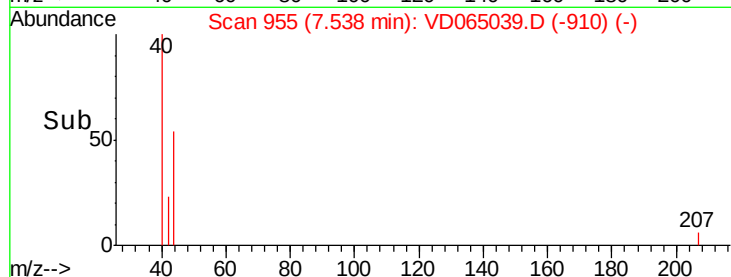
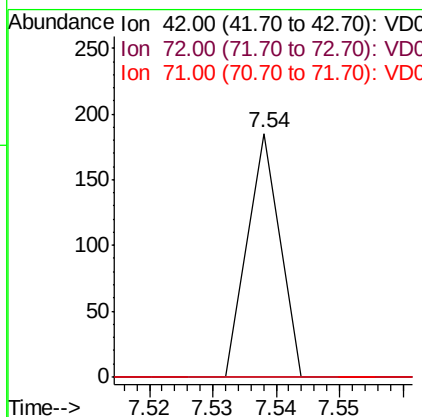
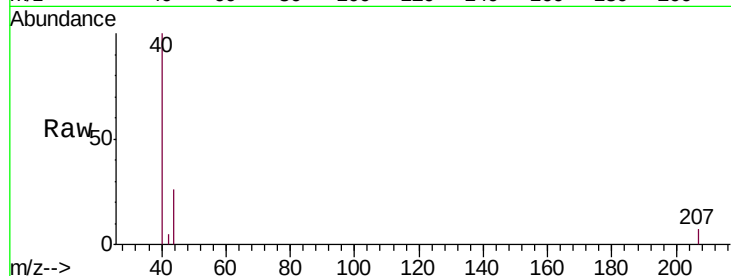




#29
Tetrahydrofuran
Concen: 1.352 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.04 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

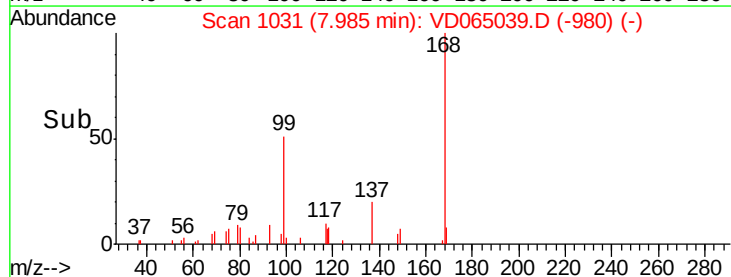
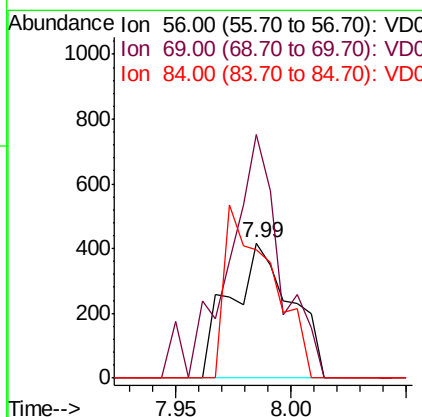
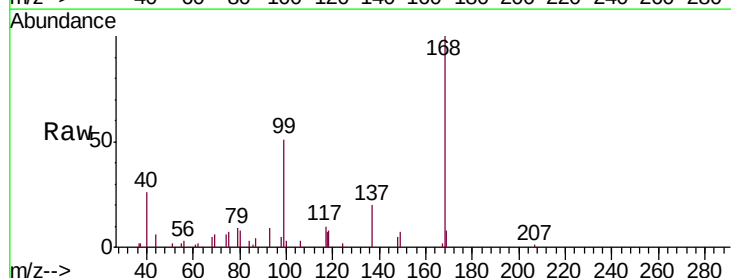
Instrument :
MSVOA_D
ClientSampleId :
01-31-C

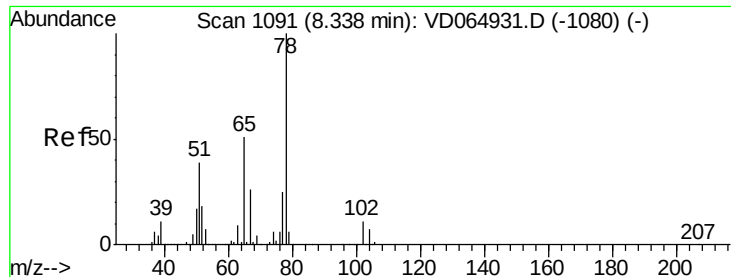
Tgt Ion: 42 Resp: 65
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#



#31
Cyclohexane
Concen: 1.523 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

Tgt Ion: 56 Resp: 765
Ion Ratio Lower Upper
56 100
69 179.9 27.9 41.9#
84 95.0 72.8 109.2

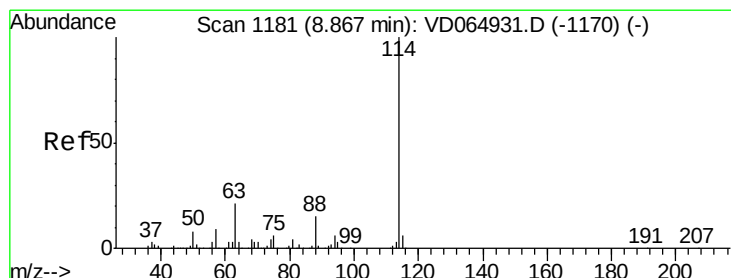
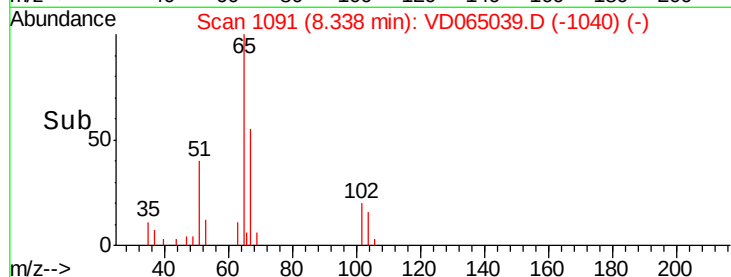
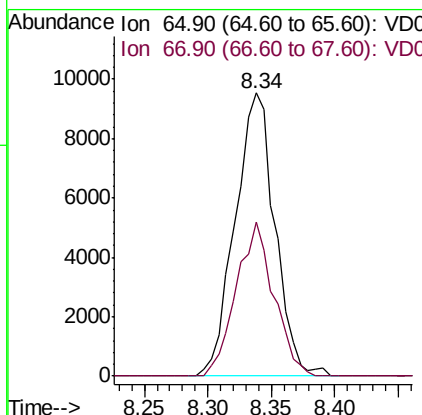
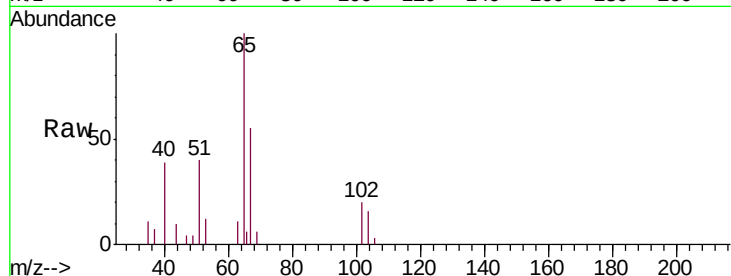




#33
 1,2-Dichloroethane-d4
 Concen: 72.060 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065039.D
 Acq: 31 Jan 2020 17:45

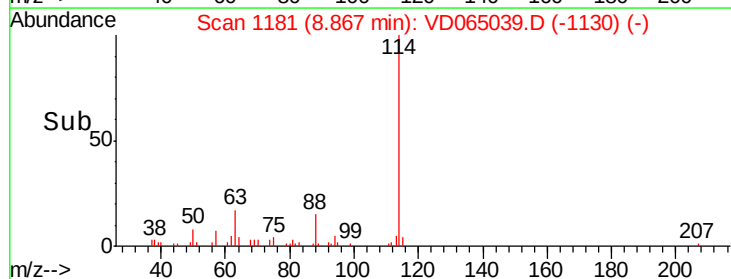
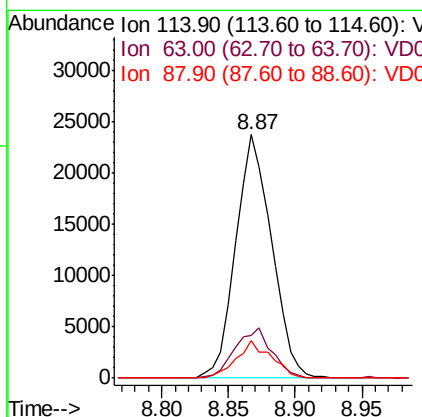
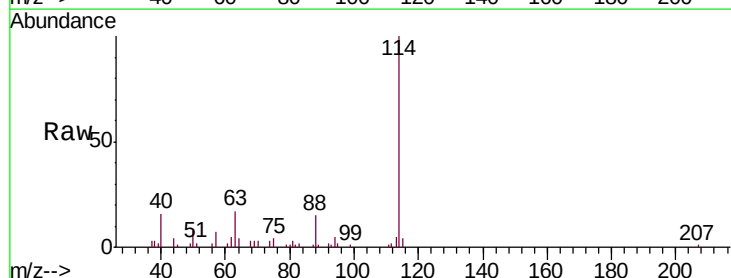
Instrument :
 MSVOA_D
 ClientSampleId :
 01-31-C

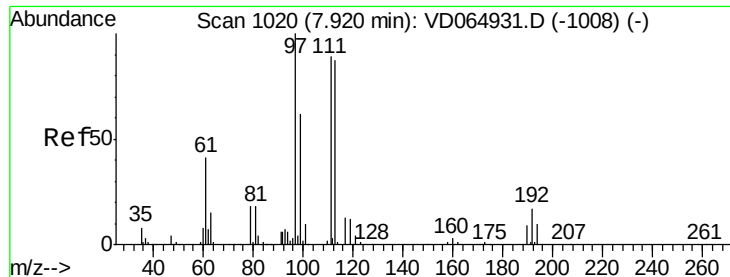
Tgt Ion: 65 Resp: 20782
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065039.D
 Acq: 31 Jan 2020 17:45

Tgt Ion: 114 Resp: 44333
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 42.0
 88 15.3 0.0 29.4

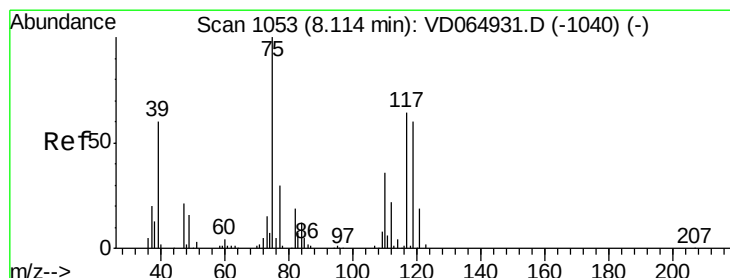
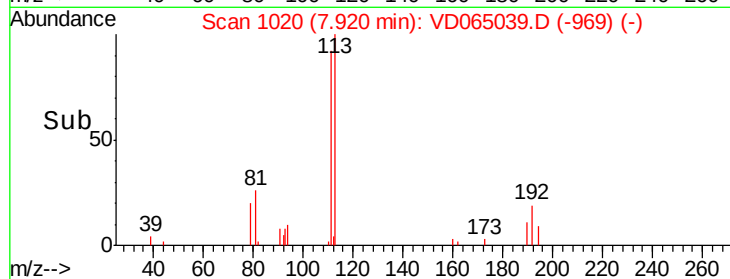
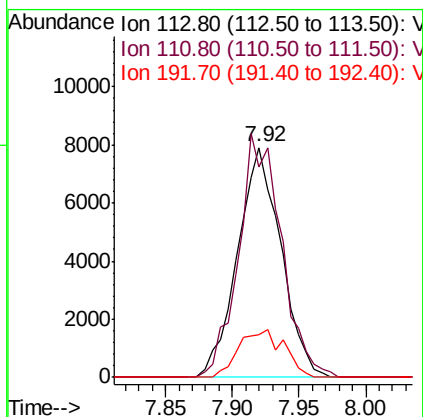
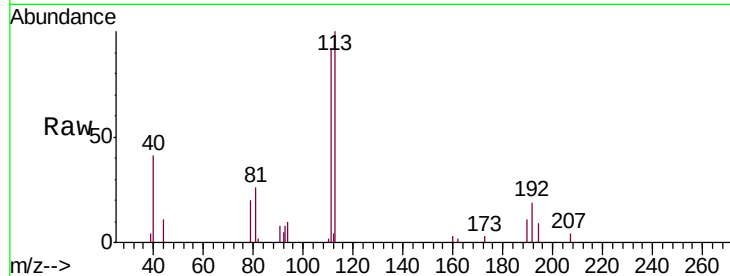




#35
 Dibromofluoromethane
 Concen: 64.014 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065039.D
 Acq: 31 Jan 2020 17:45

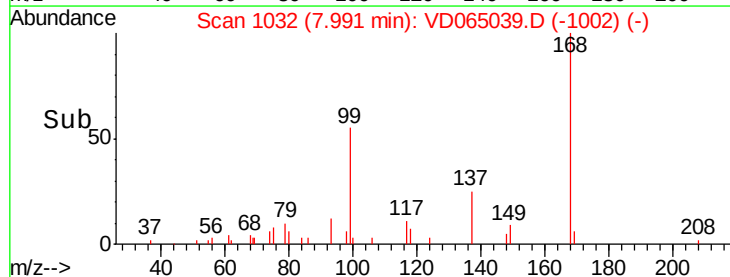
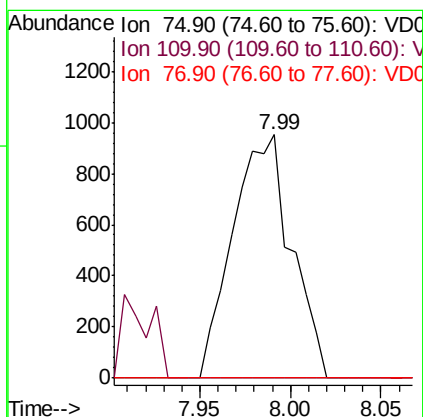
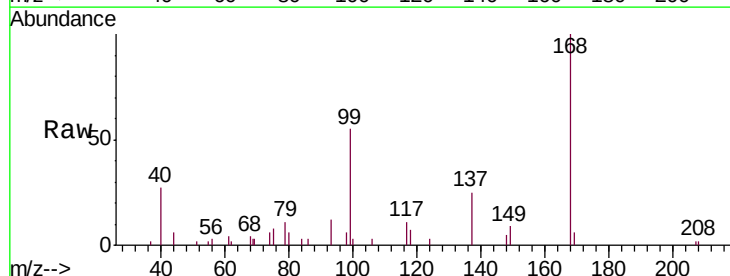
Instrument :
 MSVOA_D
 ClientSampled :
 01-31-C

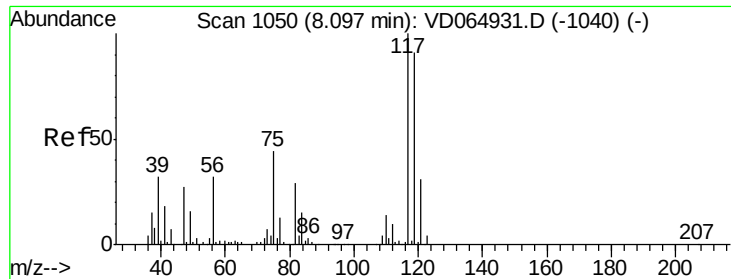
Tgt Ion: 113 Resp: 17834
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.4 123.6
 192 21.7 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 5.015 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD065039.D
 Acq: 31 Jan 2020 17:45

Tgt Ion: 75 Resp: 2144
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.3 52.0#
 77 0.0 24.7 37.1#

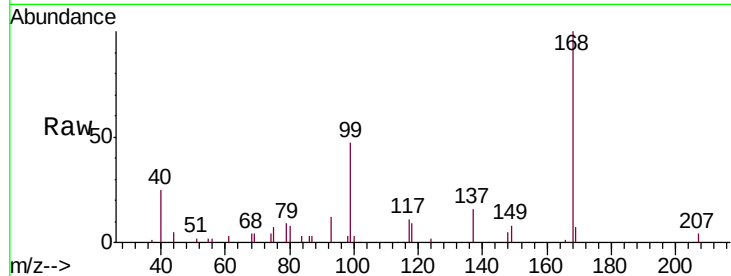




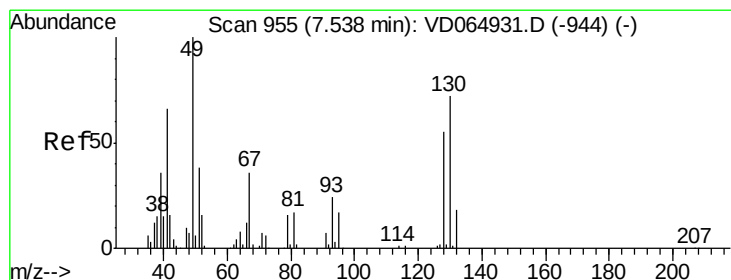
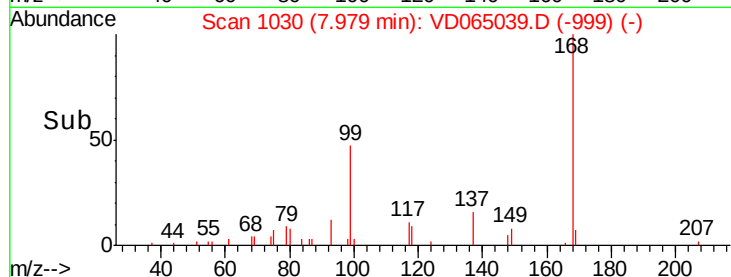
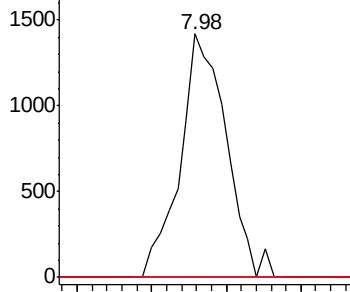
#38
Carbon Tetrachloride
Concen: 6.712 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

Instrument :
MSVOA_D
ClientSampleId :
01-31-C

Tgt Ion: 117 Resp: 3033
Ion Ratio Lower Upper
117 100
119 0.0 73.2 109.8#
121 0.0 24.4 36.6#

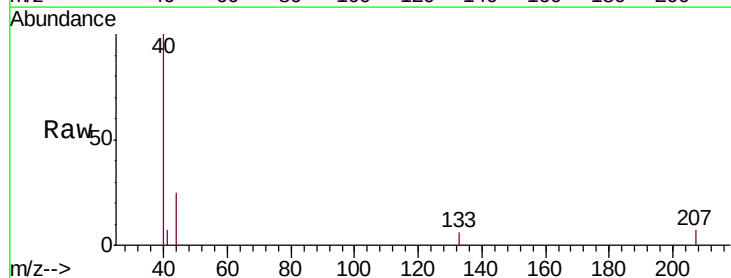


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

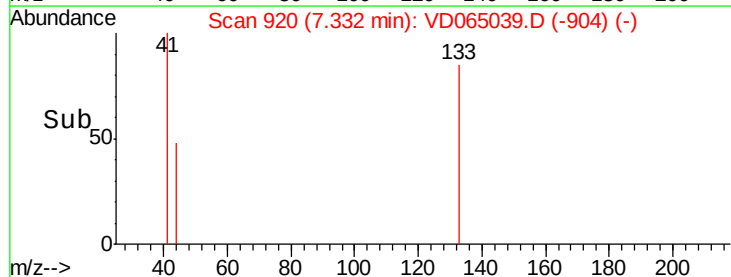
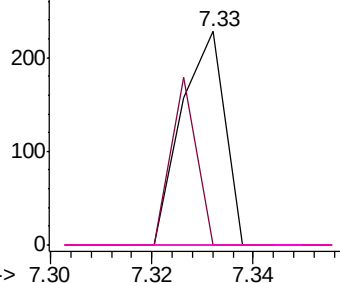


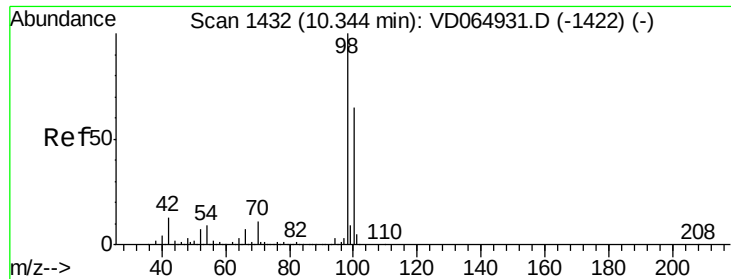
#41
Methacrylonitrile
Concen: 1.430 ug/l
RT: 7.33 min Scan# 920
Delta R.T. -0.21 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

Tgt Ion: 41 Resp: 136
Ion Ratio Lower Upper
41 100
39 46.3 49.3 73.9#
67 0.0 51.0 76.6#
52 0.0 22.3 33.5#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC





#50

Toluene-d8

Concen: 48.044 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

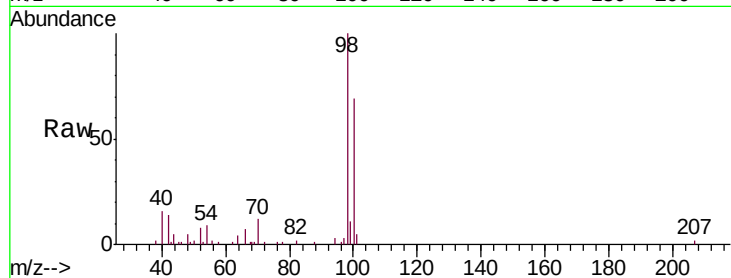
01-31-C

Tgt Ion: 98 Resp: 51660

Ion Ratio Lower Upper

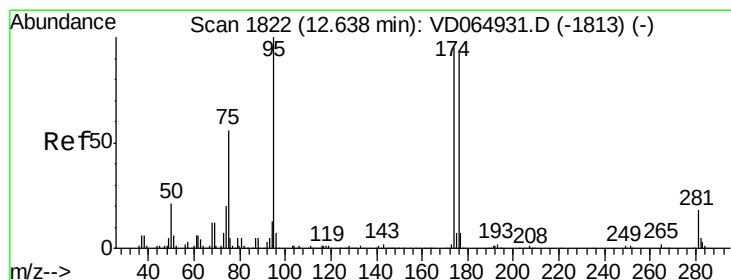
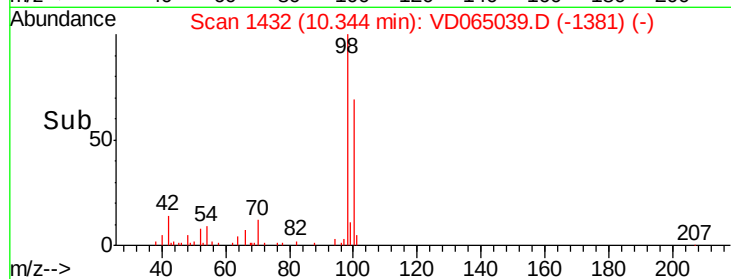
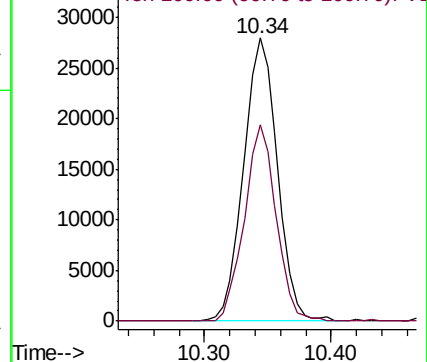
98 100

100 65.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 54.085 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

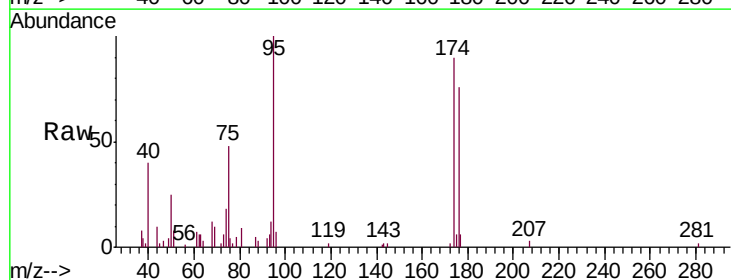
Tgt Ion: 95 Resp: 17797

Ion Ratio Lower Upper

95 100

174 97.6 0.0 186.8

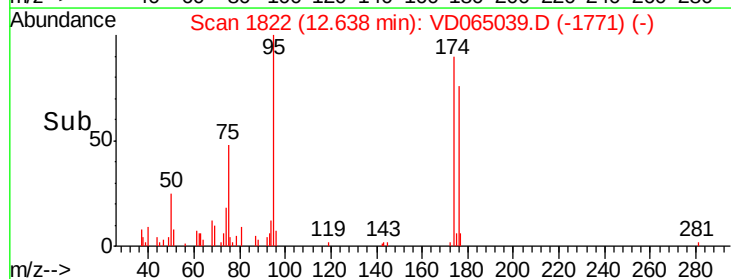
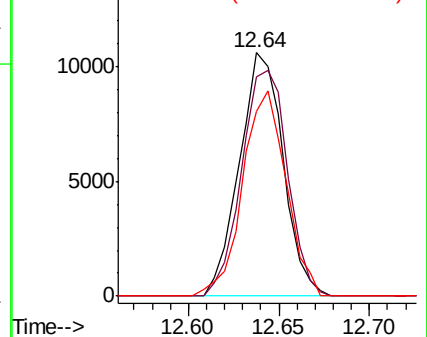
176 83.9 0.0 183.4

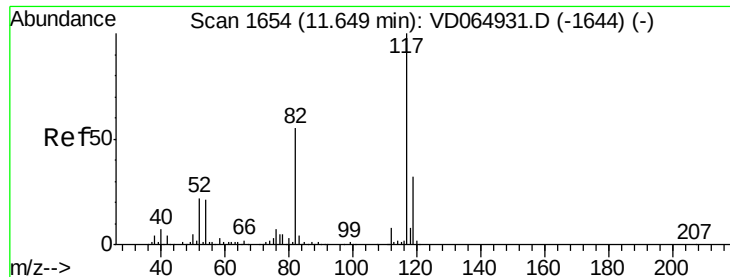


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

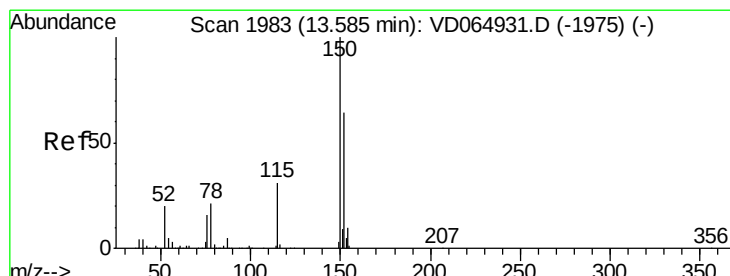
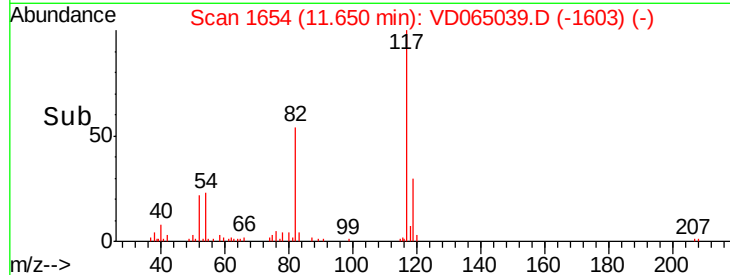
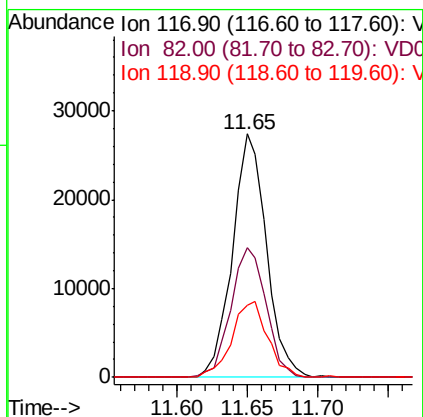
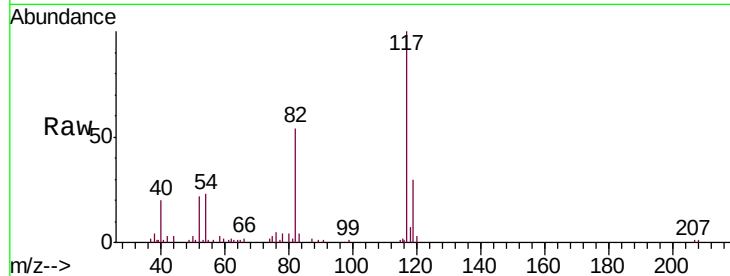




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

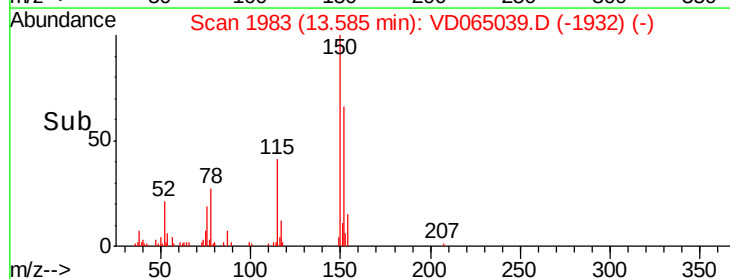
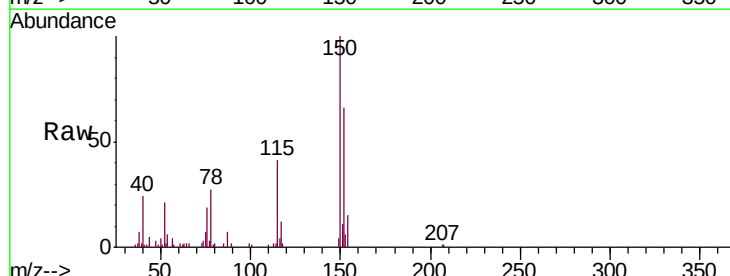
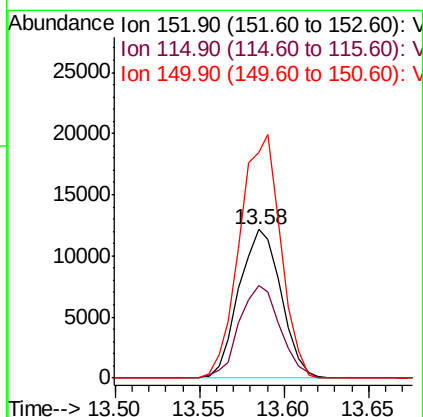
Instrument :
MSVOA_D
ClientSampleId :
01-31-C

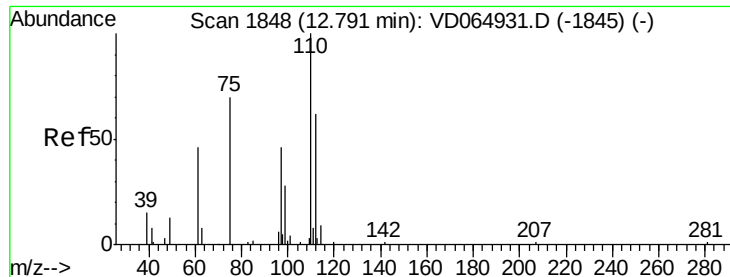
Tgt Ion:117 Resp: 45976
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 29.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065039.D
Acq: 31 Jan 2020 17:45

Tgt Ion:152 Resp: 21080
Ion Ratio Lower Upper
152 100
115 60.3 28.1 84.4
150 158.8 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 55.634 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

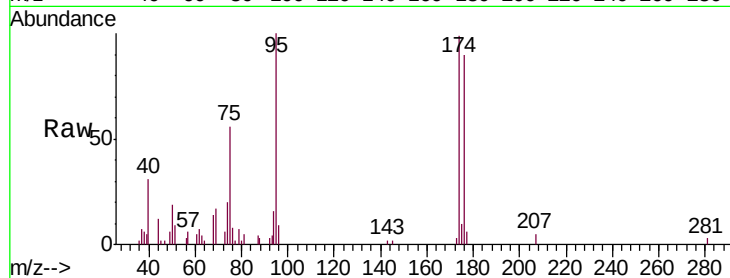
01-31-C

Tgt Ion: 75 Resp: 9734

Ion Ratio Lower Upper

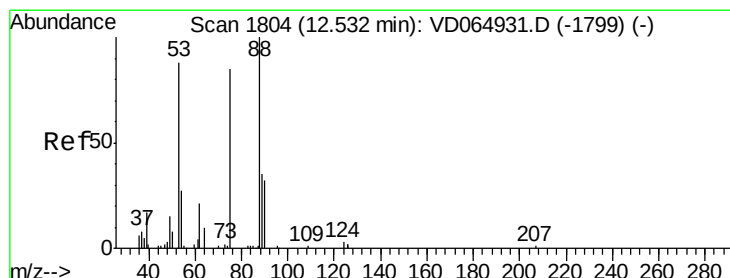
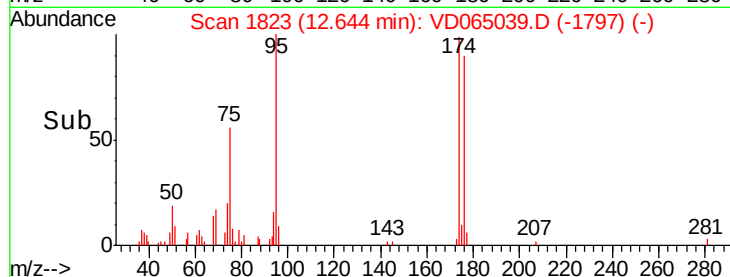
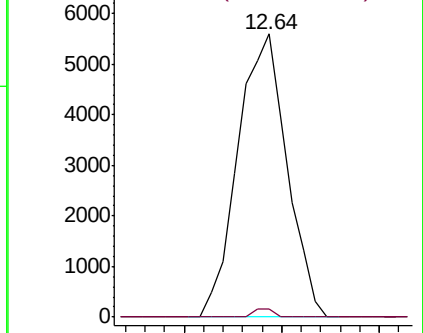
75 100

77 1.2 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: 118.791 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

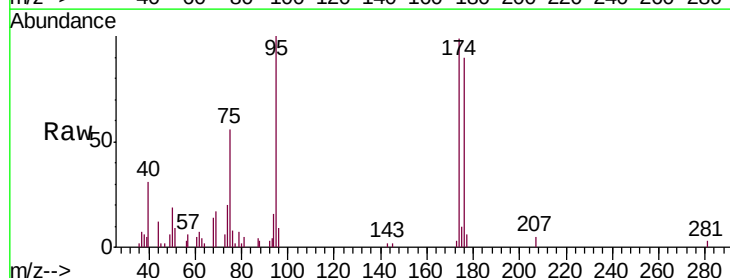
Tgt Ion: 75 Resp: 9734

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

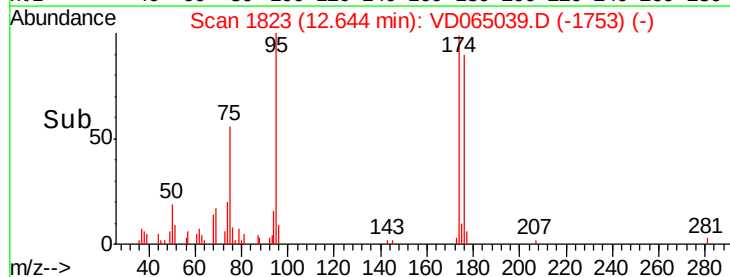
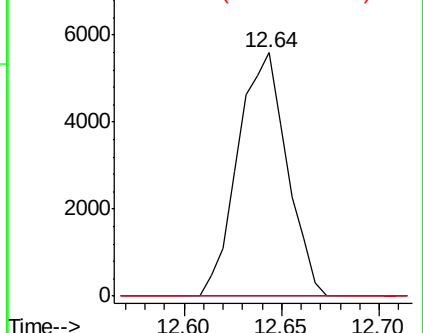
89 0.0 36.2 54.4#

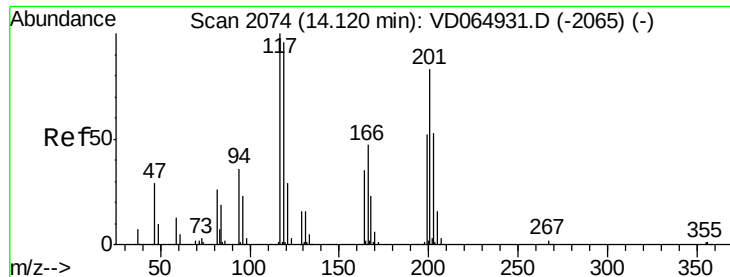


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#90

Hexachloroethane

Concen: 1.797 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

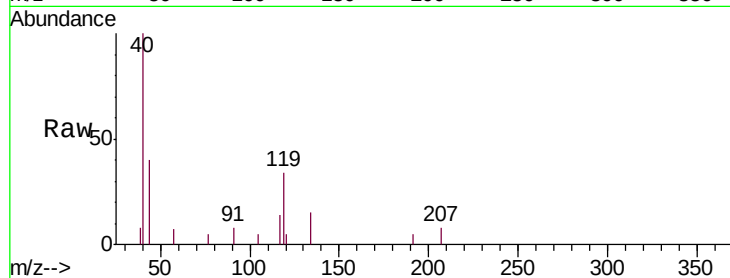
01-31-C

Tgt Ion: 117 Resp: 460

Ion Ratio Lower Upper

117 100

201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.12

600

500

400

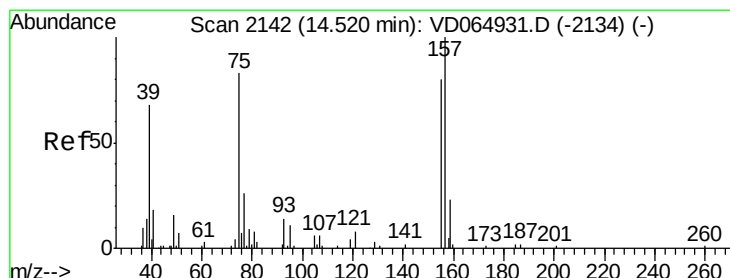
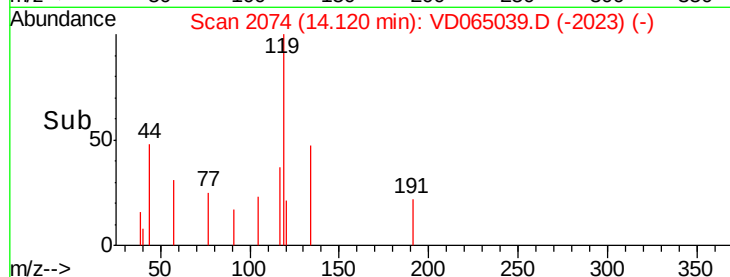
300

200

100

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.445 ug/l

RT: 14.68 min Scan# 2169

Delta R.T. 0.16 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

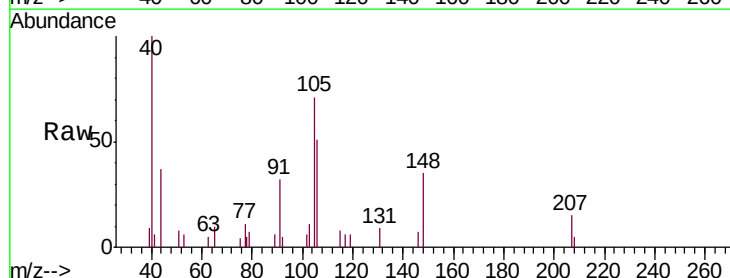
Tgt Ion: 75 Resp: 56

Ion Ratio Lower Upper

75 100

155 0.0 44.9 134.7#

157 0.0 58.9 176.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.68

200

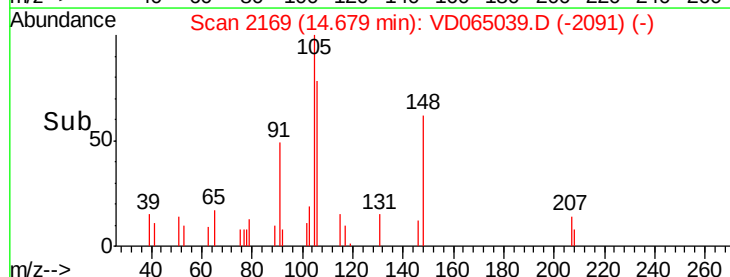
150

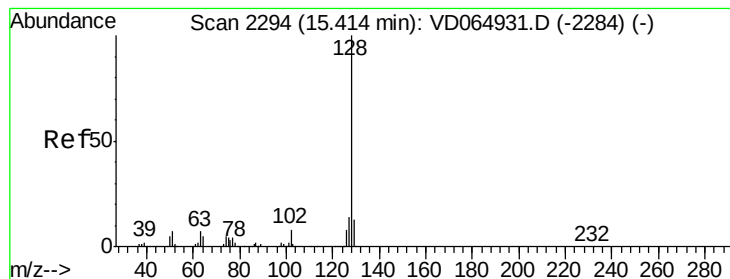
100

50

0

Time-->





#95

Naphthalene

Concen: 20.571 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065039.D

Acq: 31 Jan 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

01-31-C

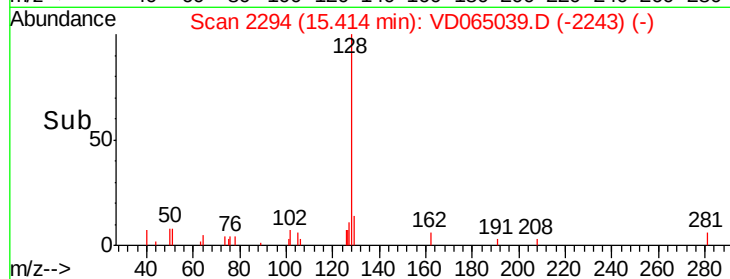
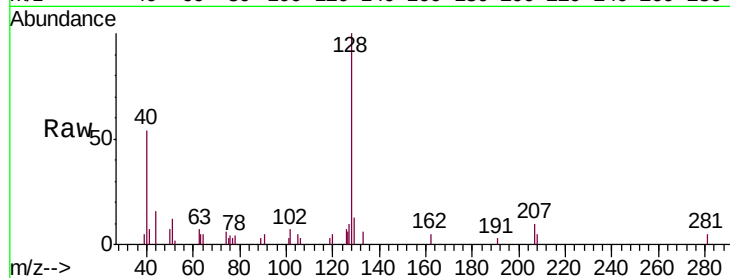
Tgt Ion:128 Resp: 13189

Ion Ratio Lower Upper

128 100

127 16.2 10.6 15.8#

129 14.2 9.3 13.9#



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

