

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066053.D
 Acq On : 24 Jul 2020 17:56
 Operator : VA/SY
 Sample : L3372-02RE
 Misc : 8.42G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

Quant Time: Jul 24 23:55:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	292565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	450315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	260095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	118470	49.77	ug/l	0.00
Spiked Amount						
			Recovery	=	99.54%	
35) Dibromofluoromethane	7.91	113	138302	50.64	ug/l	0.00
Spiked Amount						
			Recovery	=	101.28%	
50) Toluene-d8	10.34	98	549045	53.96	ug/l	0.00
Spiked Amount						
			Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.64	95	222836	63.16	ug/l	0.00
Spiked Amount						
			Recovery	=	126.32%	

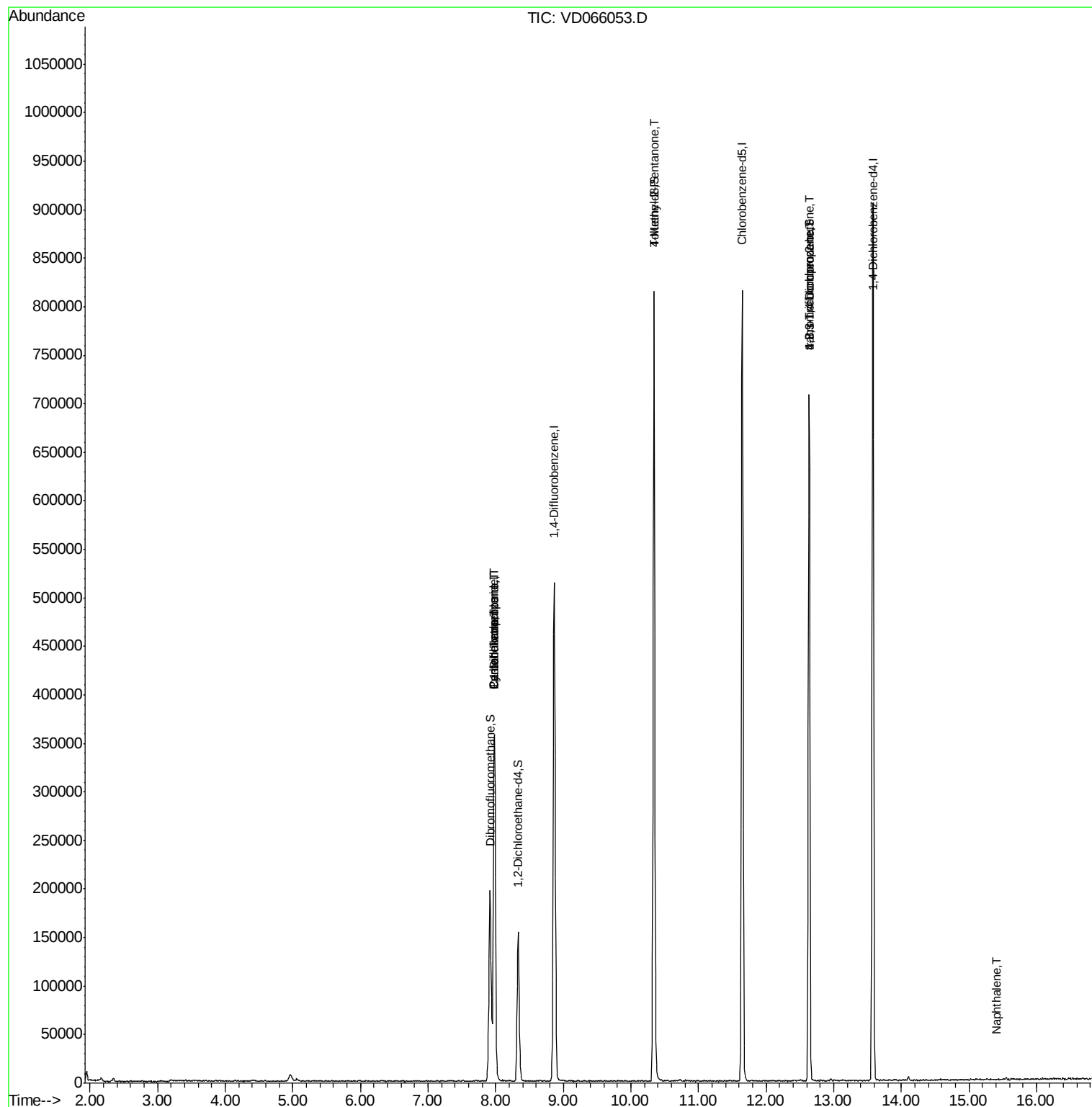
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	129	Below Cal	#	4
11) Tert butyl alcohol	5.24	59	58	Below Cal	#	83
20) Methylene Chloride	4.97	84	5489	Below Cal	#	75
31) Cyclohexane	7.98	56	5588	1.305	ug/l #	12
36) 1,1-Dichloropropene	7.97	75	19206	4.997	ug/l #	49
38) Carbon Tetrachloride	7.98	117	27293	6.545	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2239	1.550	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	110048	56.193	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110048	128.944	ug/l #	11
95) Naphthalene	15.41	128	56	3.553	ug/l #	68

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

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QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066053.D

Acq: 24 Jul 2020 17:56

Instrument :

MSVOA_D

ClientSampleId :

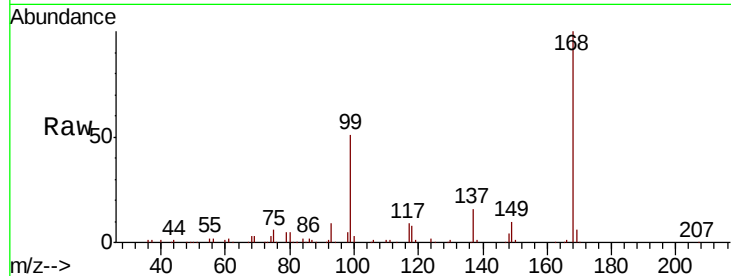
FK-BPM-04-011-ABCD

Tot Ion:168 Resp: 292565

Ion Ratio Lower Upper

168 100

99 50.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

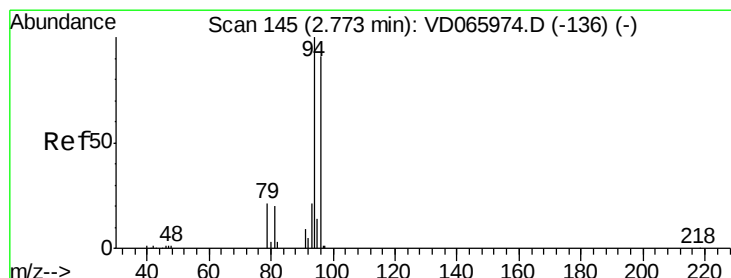
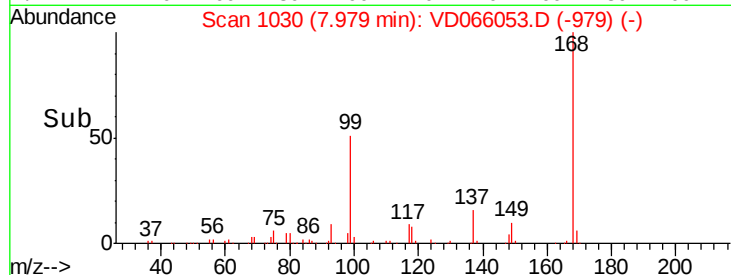
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066053.D

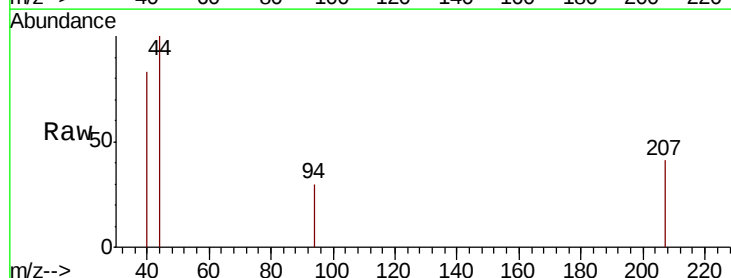
Acq: 24 Jul 2020 17:56

Tgt Ion: 94 Resp: 129

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

200

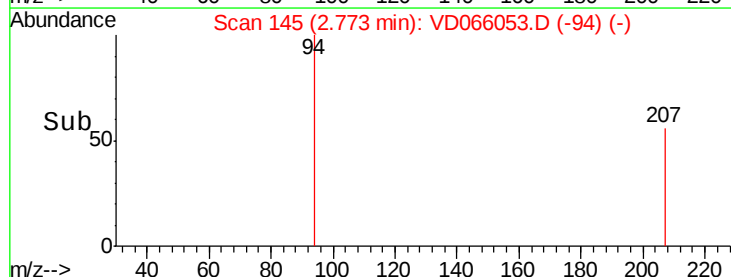
150

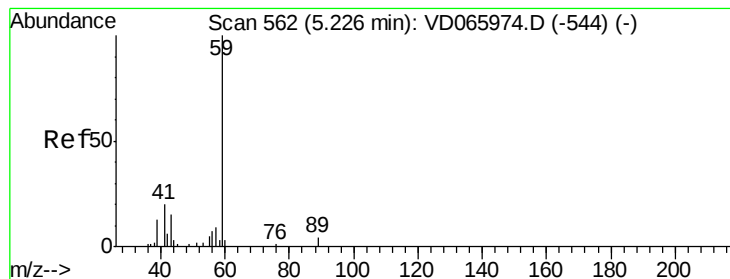
100

50

0

Time-->



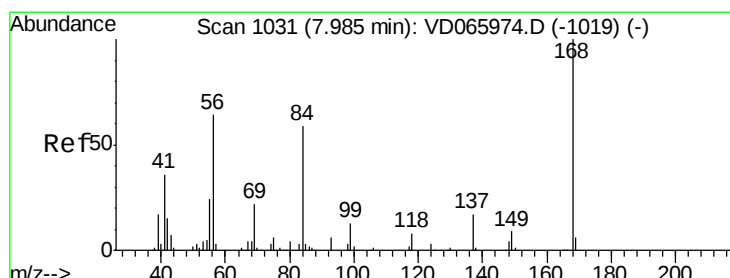
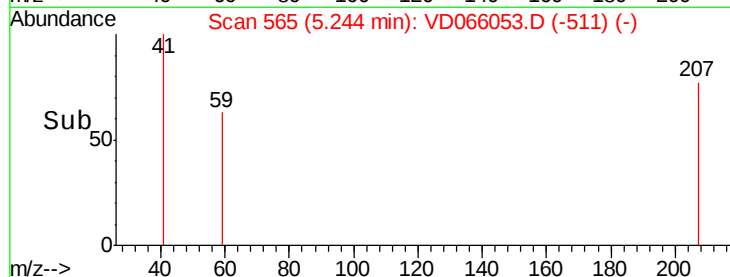
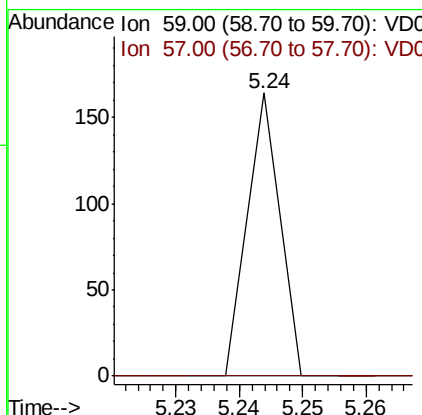
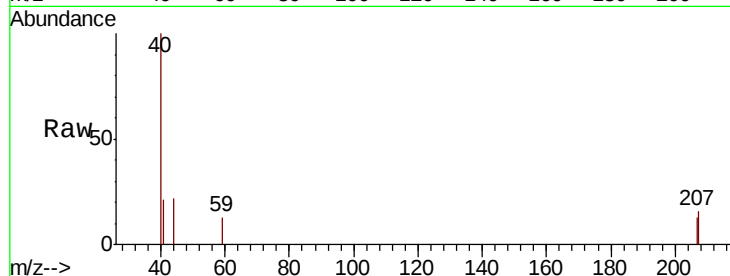


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. 0.02 min
 Lab File: VD066053.D
 Acq: 24 Jul 2020 17:56

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

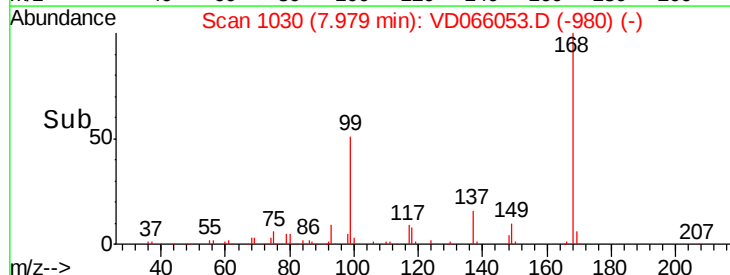
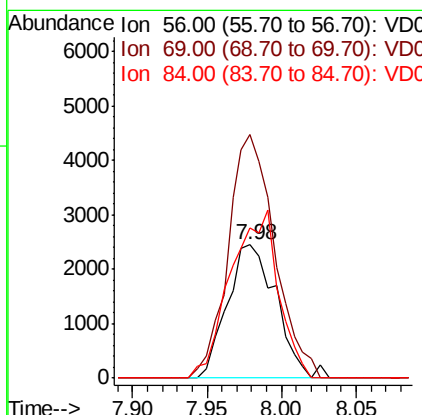
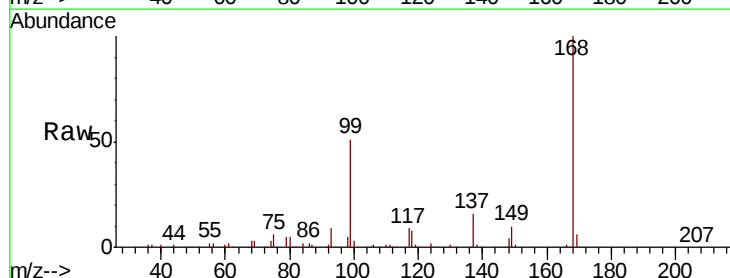
Tot Ion: 59 Resp: 58
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#

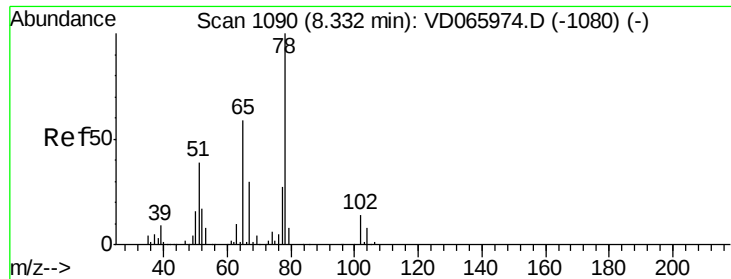


#31

Cyclohexane
 Concen: 1.305 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VD066053.D
 Acq: 24 Jul 2020 17:56

Tgt Ion: 56 Resp: 5588
 Ion Ratio Lower Upper
 56 100
 69 183.1 28.0 42.0#
 84 112.7 72.6 109.0#

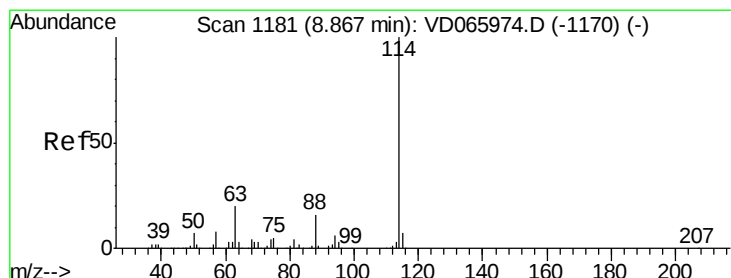
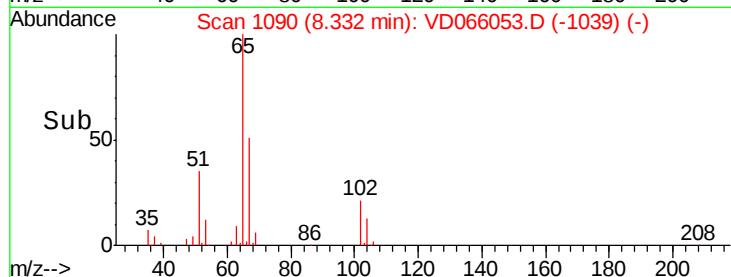
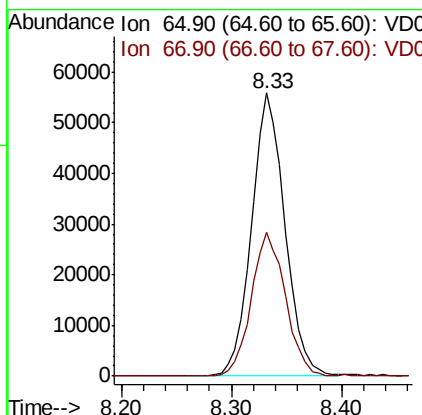
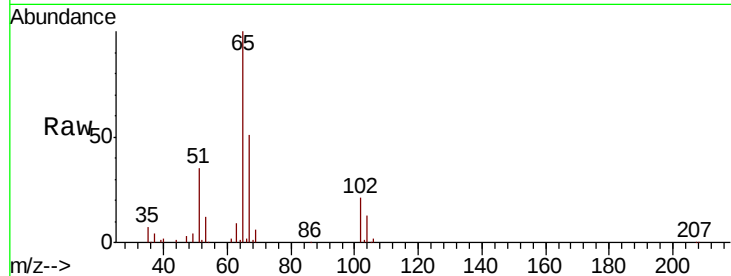




#33
 1,2-Dichloroethane-d4
 Concen: 49.765 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066053.D
 Acq: 24 Jul 2020 17:56

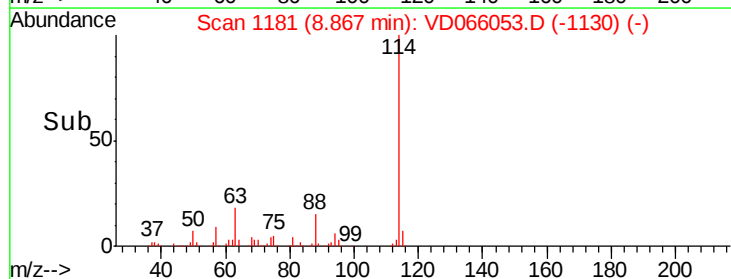
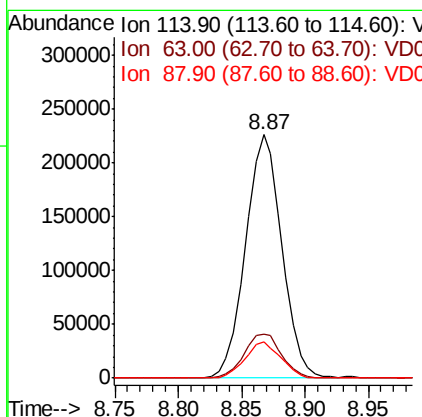
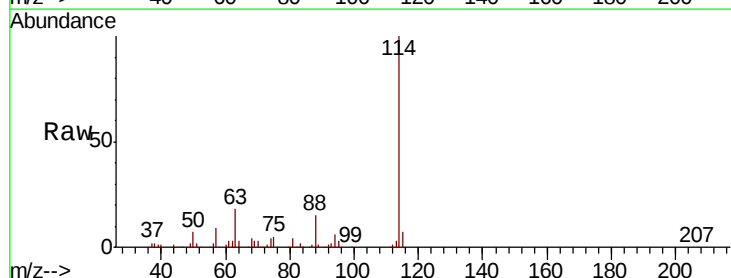
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

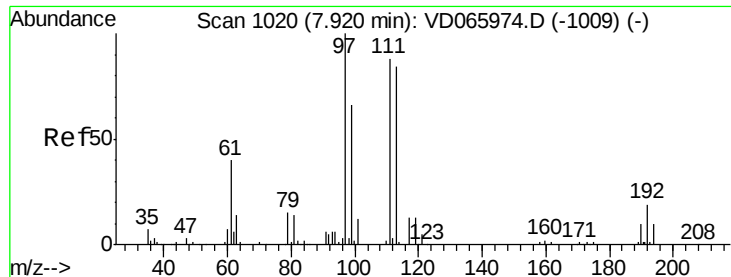
Tot Ion: 65 Resp: 118470
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066053.D
 Acq: 24 Jul 2020 17:56

Tgt Ion: 114 Resp: 450315
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 39.6
 88 15.0 0.0 31.2

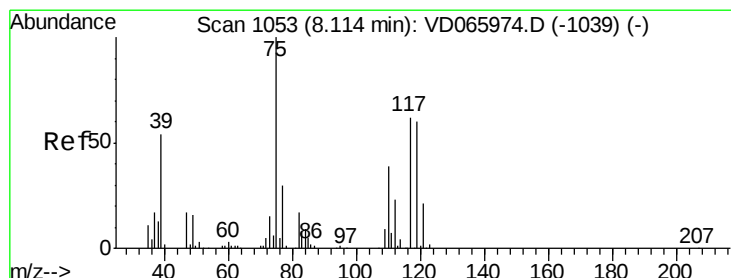
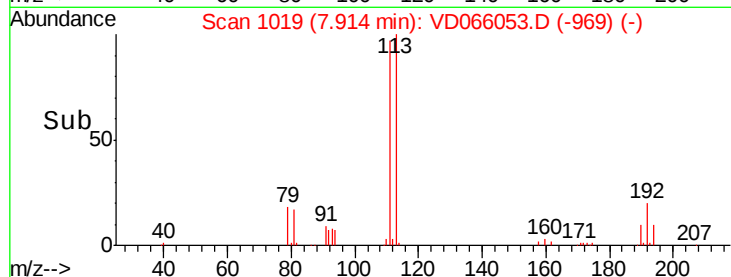
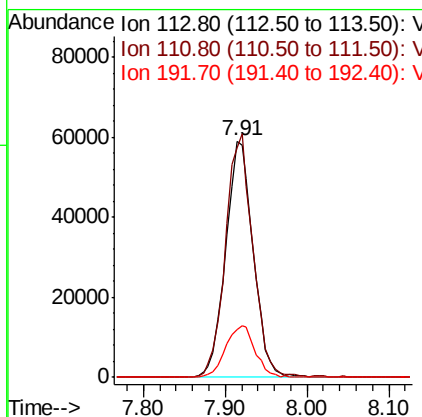
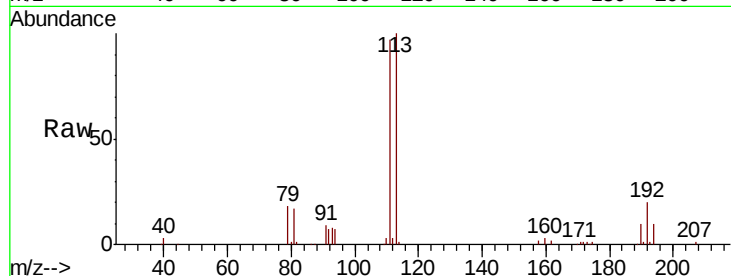




#35
 Dibromofluoromethane
 Concen: 50.636 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066053.D
 Acq: 24 Jul 2020 17:56

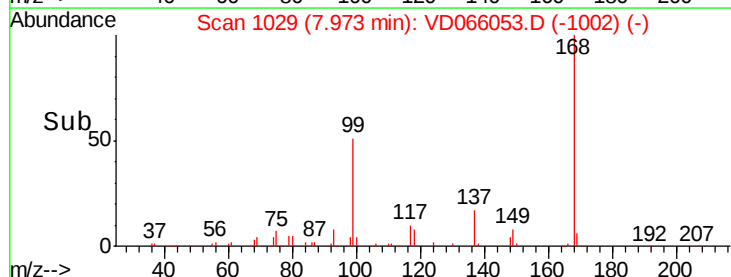
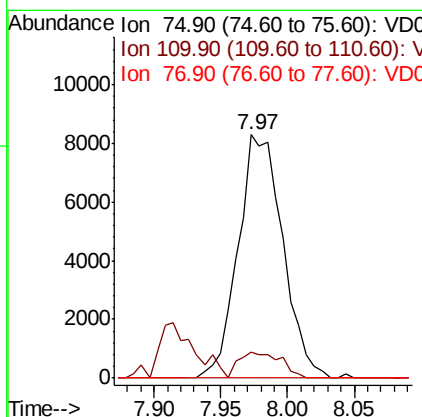
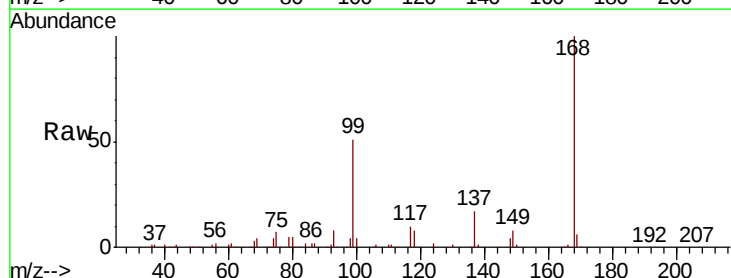
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-011-ABCD

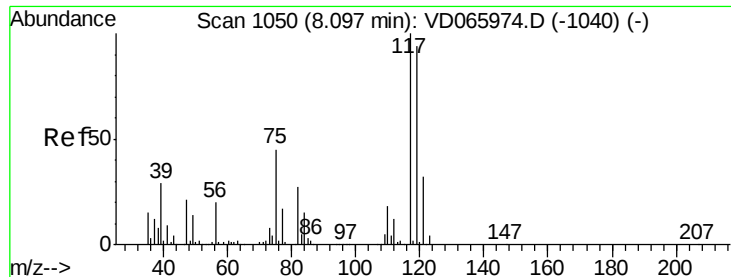
Tot Ion:113 Resp: 138302
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.2 124.8
 192 23.3 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.997 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066053.D
 Acq: 24 Jul 2020 17:56

Tgt Ion: 75 Resp: 19206
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.5 58.5#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.545 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066053.D

Acq: 24 Jul 2020 17:56

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-011-ABCD

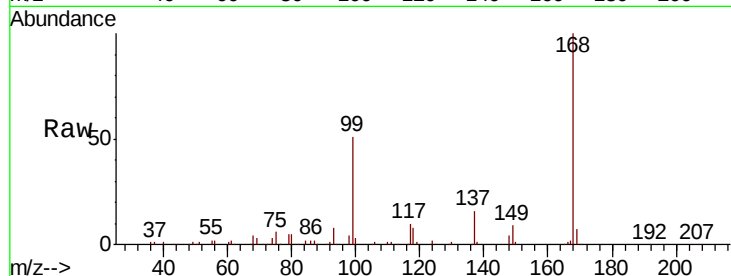
Tot Ion:117 Resp: 27293

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

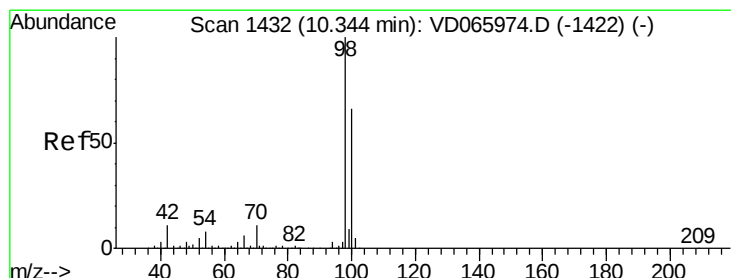
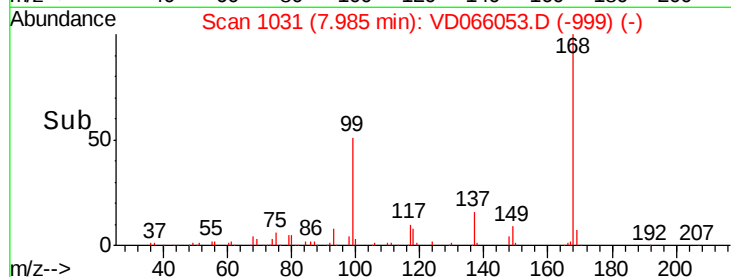
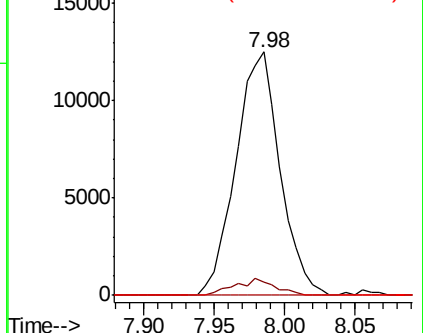
121 0.0 25.5 38.3#



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: 53.961 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066053.D

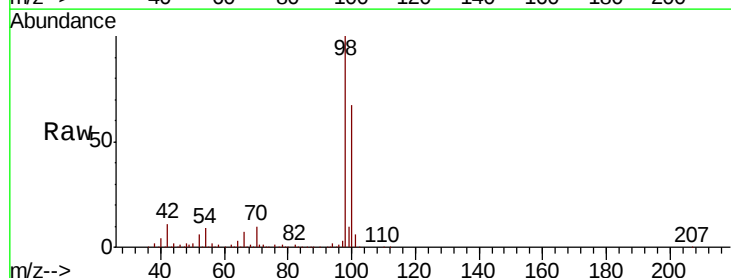
Acq: 24 Jul 2020 17:56

Tgt Ion: 98 Resp: 549045

Ion Ratio Lower Upper

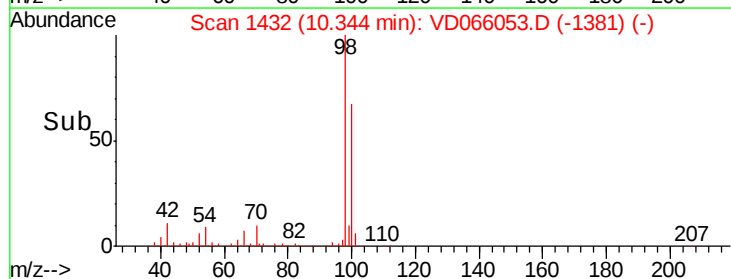
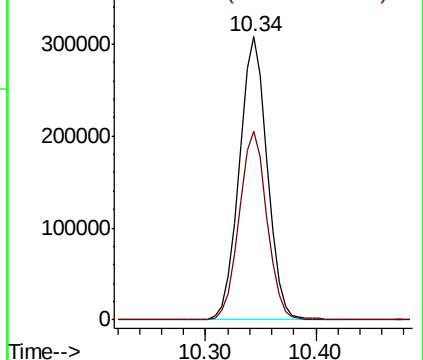
98 100

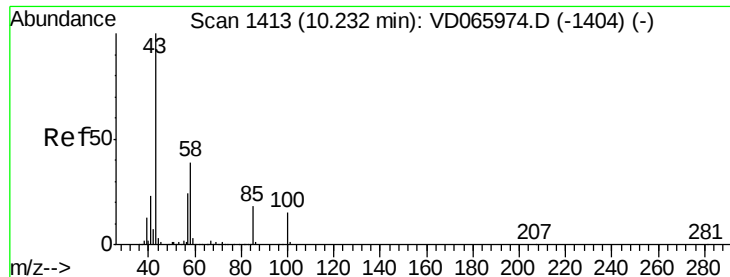
100 66.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.550 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066053.D

Acq: 24 Jul 2020 17:56

Instrument :

MSVOA_D

ClientSampleId :

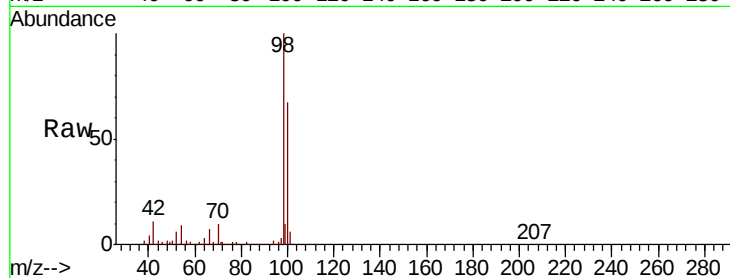
FK-BPM-04-011-ABCD

Tot Ion: 43 Resp: 2239

Ion Ratio Lower Upper

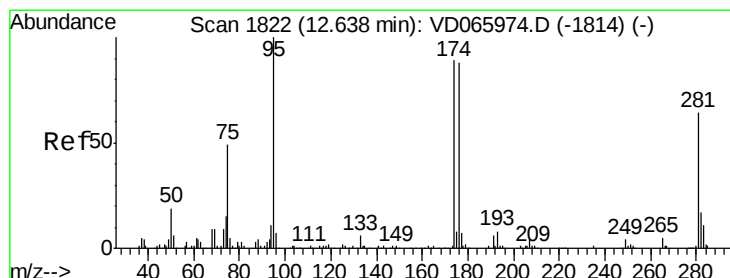
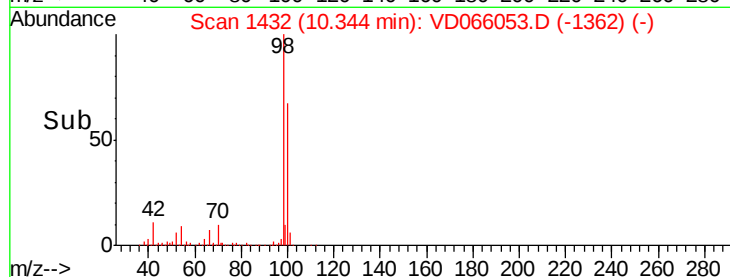
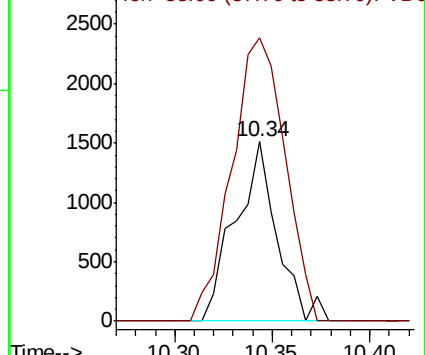
43 100

58 201.4 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 63.162 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066053.D

Acq: 24 Jul 2020 17:56

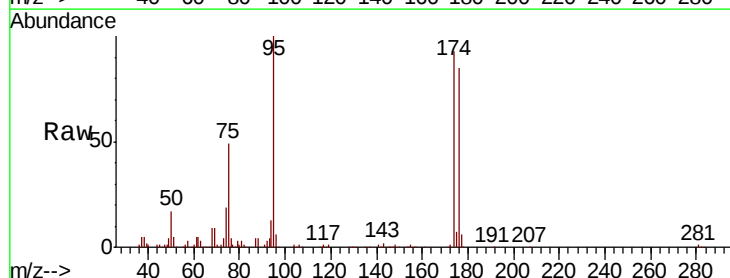
Tgt Ion: 95 Resp: 222836

Ion Ratio Lower Upper

95 100

174 93.1 0.0 178.8

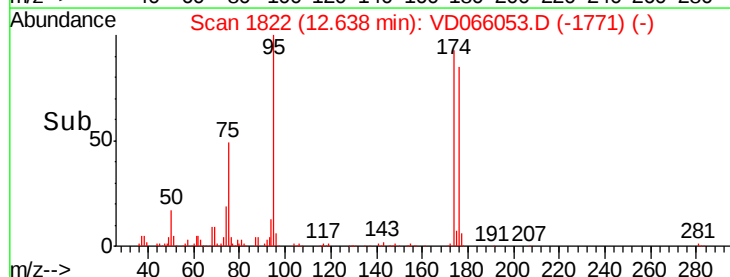
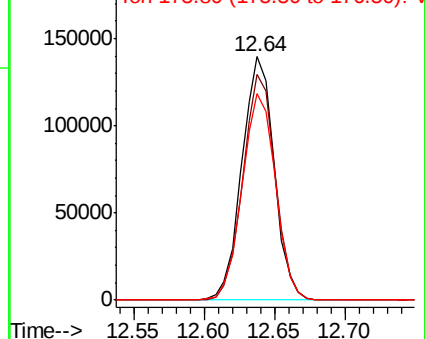
176 88.0 0.0 172.6

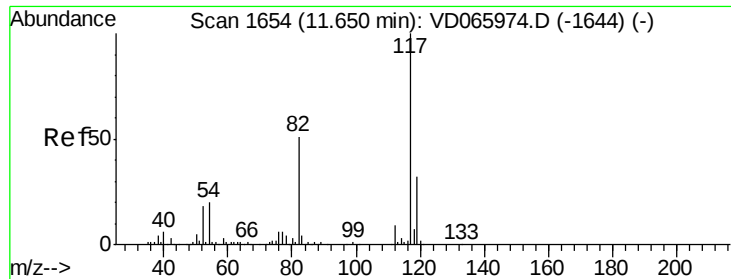


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

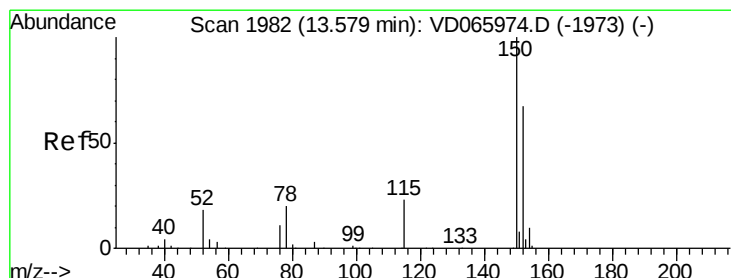
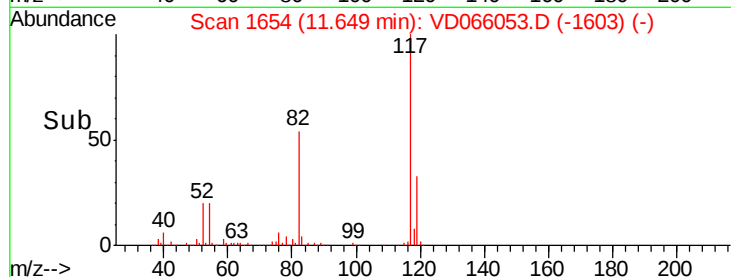
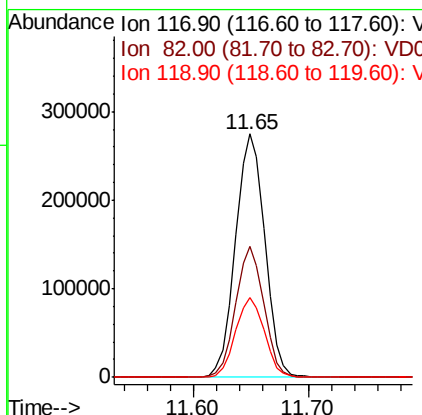
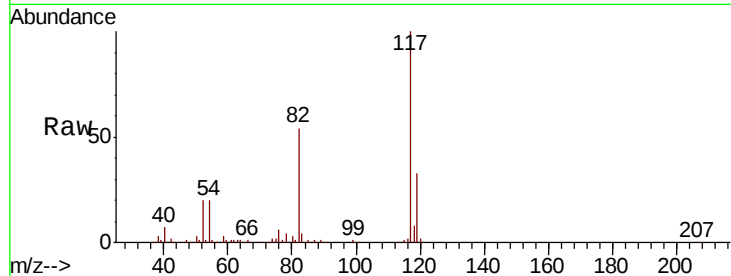




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066053.D
Acq: 24 Jul 2020 17:56

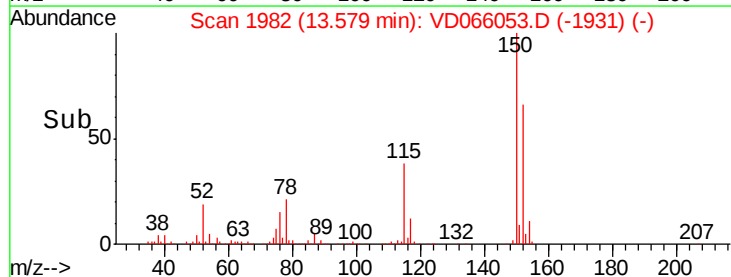
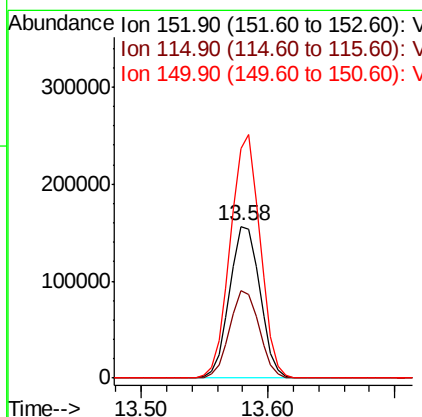
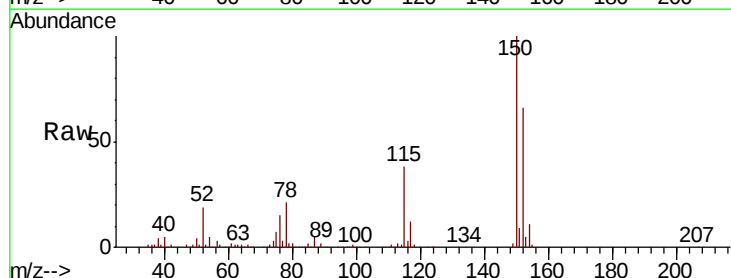
Instrument :
MSVOA_D
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FK-BPM-04-011-ABCD

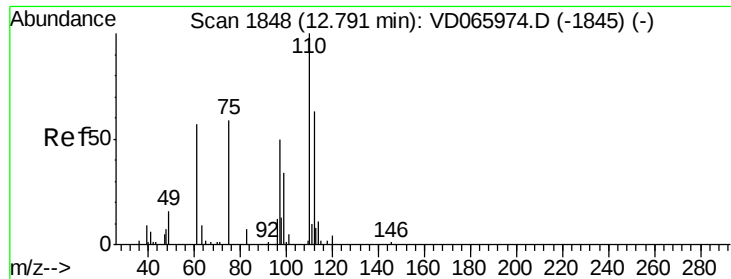
Tot Ion:117 Resp: 483755
Ion Ratio Lower Upper
117 100
82 53.8 41.1 61.7
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066053.D
Acq: 24 Jul 2020 17:56

Tgt Ion:152 Resp: 260095
Ion Ratio Lower Upper
152 100
115 56.1 27.9 83.7
150 156.5 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 56.193 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066053.D

Acq: 24 Jul 2020 17:56

Instrument :

MSVOA_D

ClientSampleId :

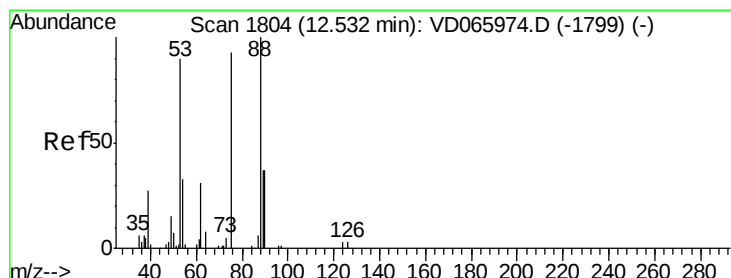
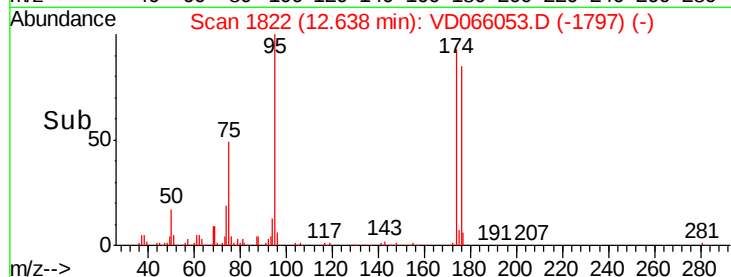
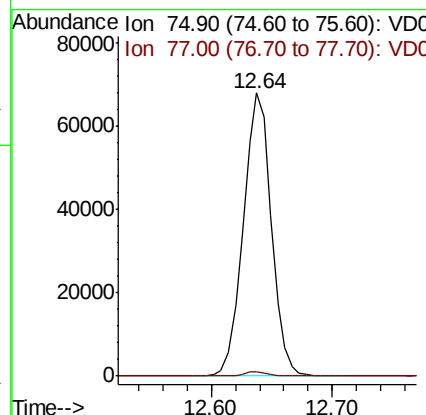
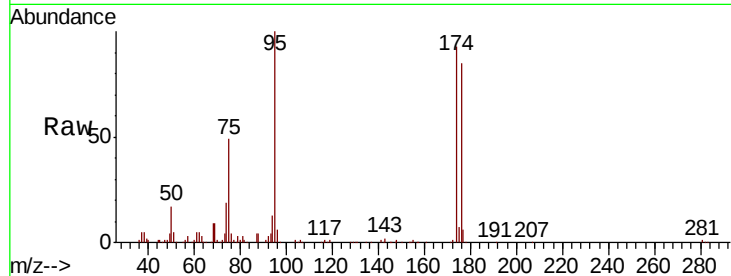
FK-BPM-04-011-ABCD

Tot Ion: 75 Resp: 110048

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.944 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066053.D

Acq: 24 Jul 2020 17:56

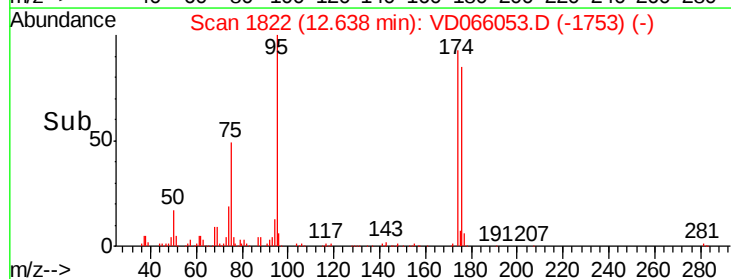
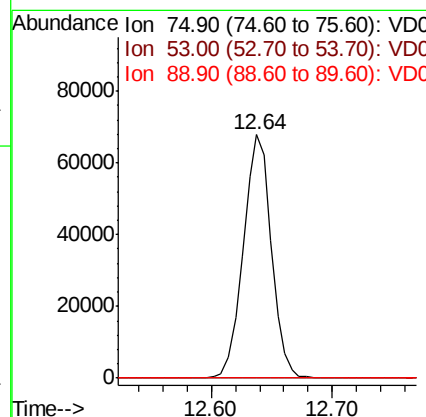
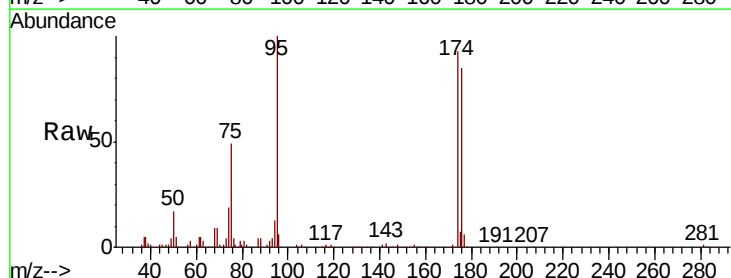
Tgt Ion: 75 Resp: 110048

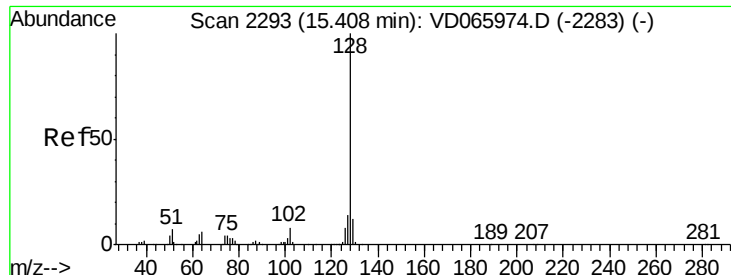
Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.553 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066053.D

Acq: 24 Jul 2020 17:56

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-011-ABCD

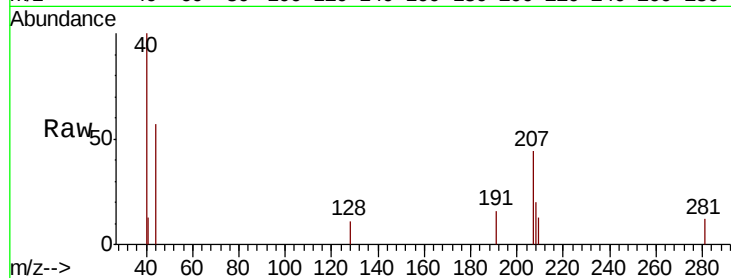
Tot Ion:128 Resp: 56

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#



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

