

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066034.D
 Acq On : 23 Jul 2020 19:42
 Operator : VA/SY
 Sample : L3374-02
 Misc : 8.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-C2-C3-C2A-C3A

Quant Time: Jul 24 03:09:38 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	7.99	168	309814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	483353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	512910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271564	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	126902	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	7.92	113	146953	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.34	98	579669	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.64	95	230706	60.92	ug/l	0.00
Spiked Amount			Recovery	=	121.84%	

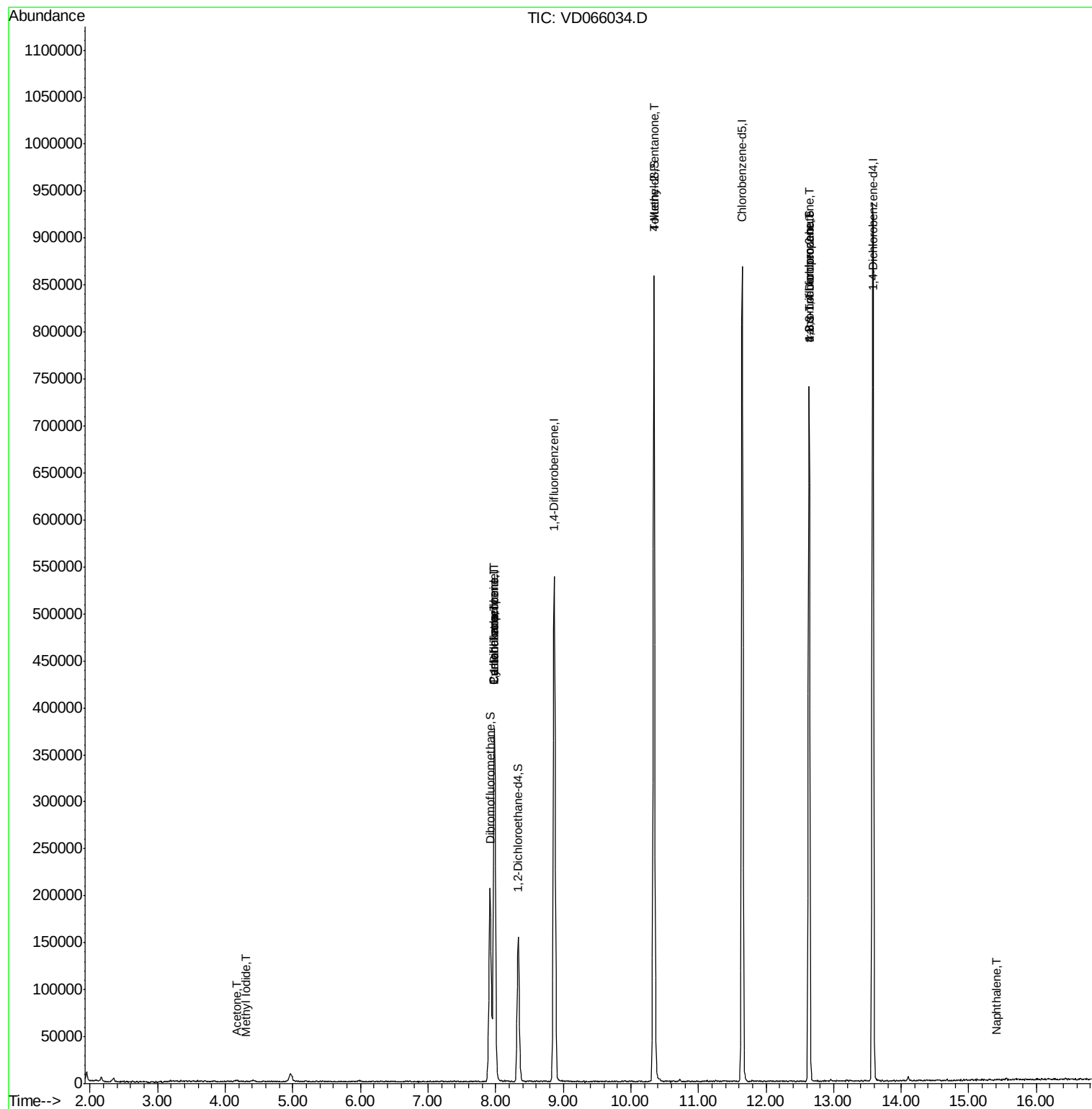
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	55	8.829	ug/l #	42
11) Tert butyl alcohol	5.34	59	67	Below Cal	#	83
16) Acetone	4.17	43	1798	3.524	ug/l #	42
20) Methylene Chloride	4.97	84	6502	Below Cal	#	79
31) Cyclohexane	7.99	56	5645	1.245	ug/l #	14
36) 1,1-Dichloropropene	7.99	75	20338	4.930	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28033	6.263	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2690	1.735	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	116402	56.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	116402	130.629	ug/l #	11
95) Naphthalene	15.41	128	351	3.585	ug/l #	68

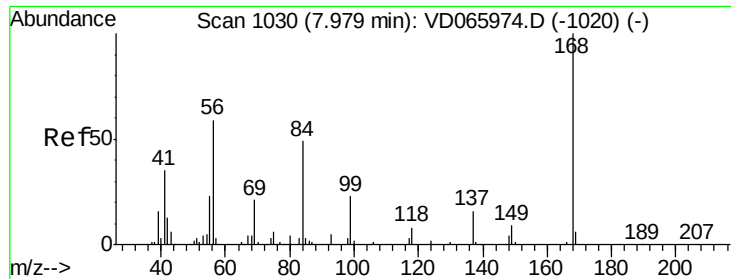
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
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FK-BPM-01-C2-C3-C2A-C3A

Quant Time: Jul 24 03:09:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

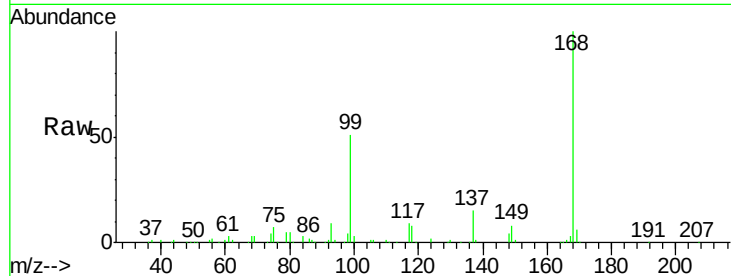
FK-BPM-01-C2-C3-C2A-C3A

Tot Ion:168 Resp: 309814

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

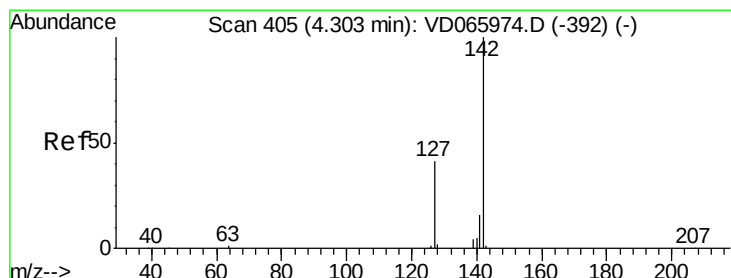
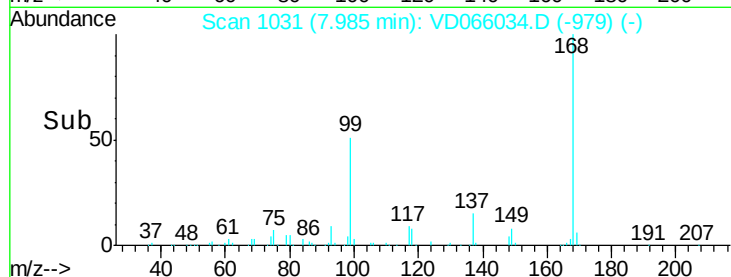
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 8.829 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

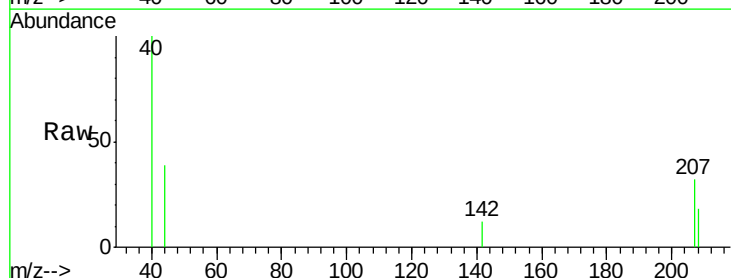
Tgt Ion:142 Resp: 55

Ion Ratio Lower Upper

142 100

127 0.0 32.9 49.3#

141 0.0 11.8 17.6#



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

4.30

200

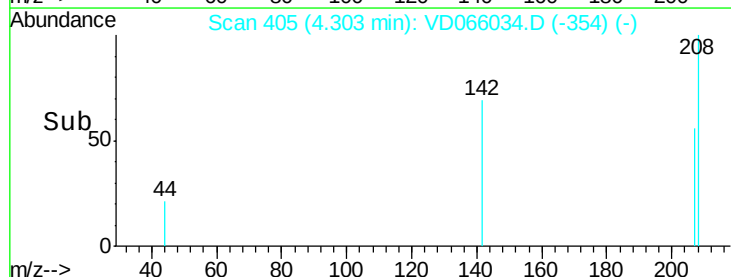
150

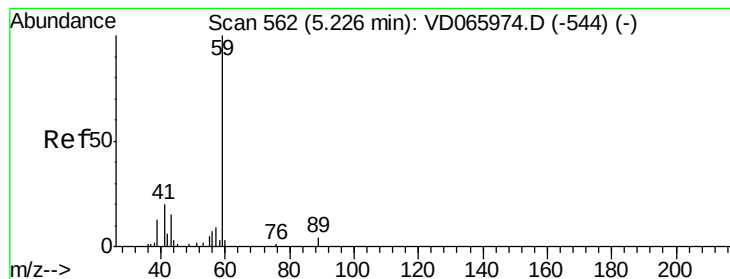
100

50

0

Time-->



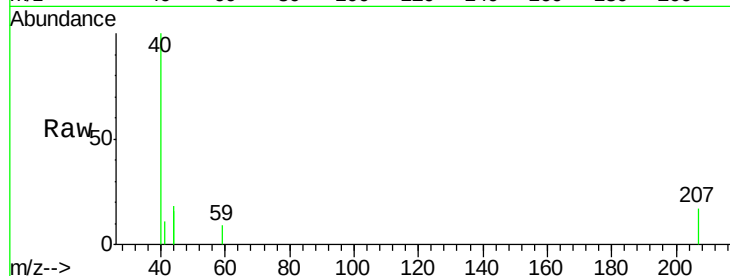


#11

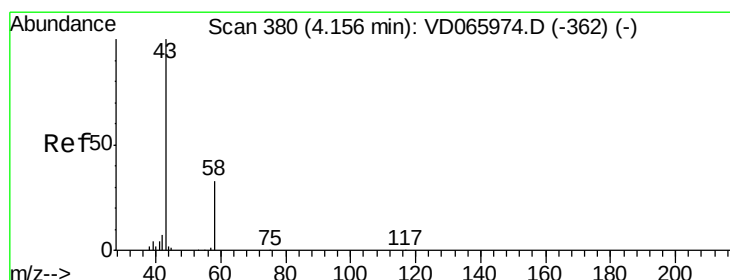
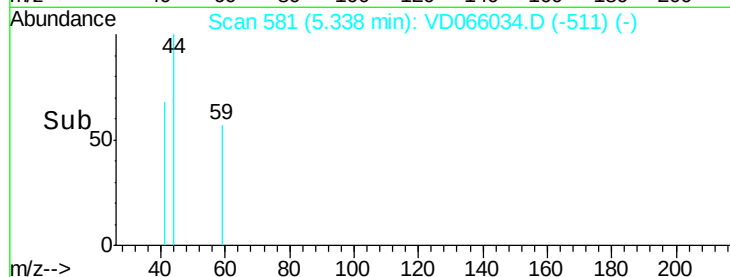
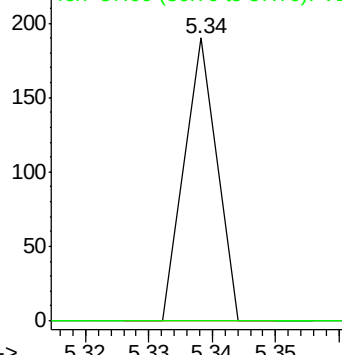
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.34 min Scan# 581
 Delta R.T. 0.11 min
 Lab File: VD066034.D
 Acq: 23 Jul 2020 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-C2-C3-C2A-C3A

Tot Ion: 59 Resp: 67
 Ion Ratio Lower Upper
 59 100
 57 0.0 4.5 6.7#



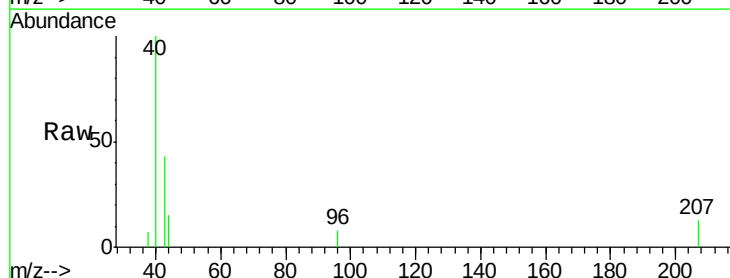
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



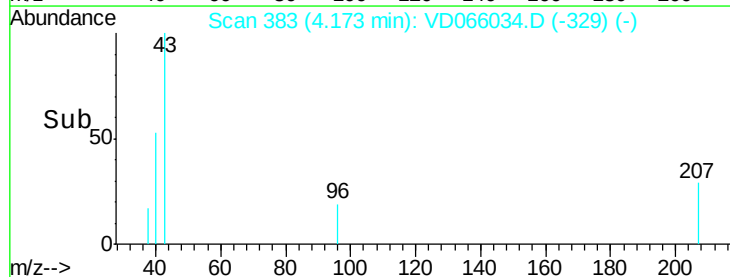
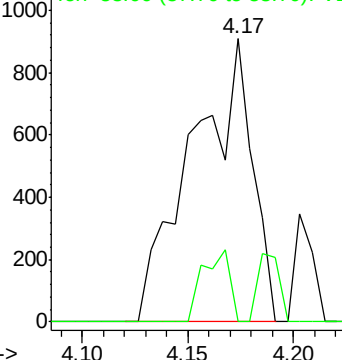
#16

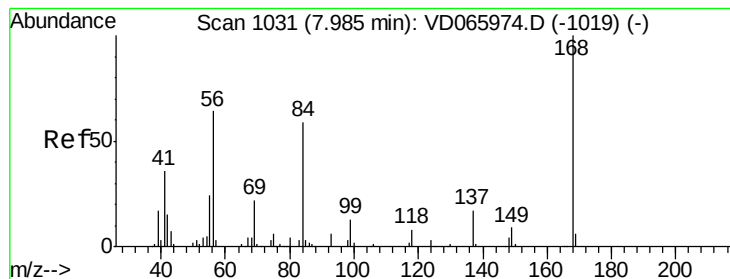
Acetone
 Concen: 3.524 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066034.D
 Acq: 23 Jul 2020 19:42

Tgt Ion: 43 Resp: 1798
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC





#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-C2-C3-C2A-C3A

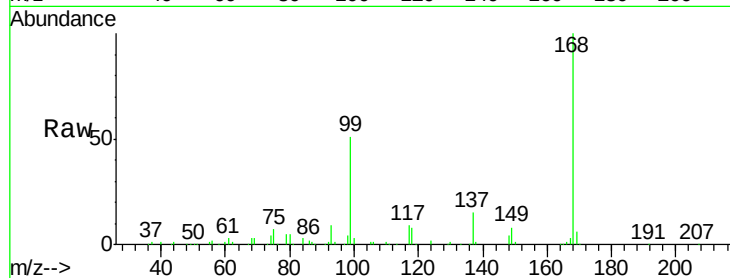
Tot Ion: 56 Resp: 5645

Ion Ratio Lower Upper

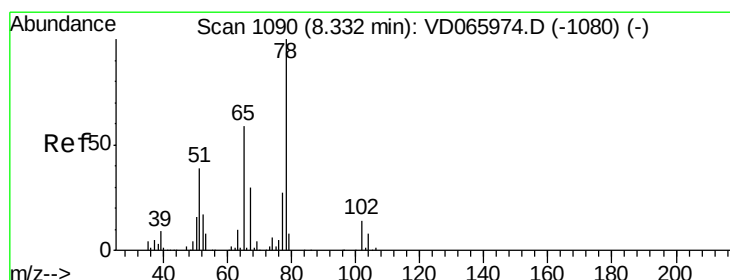
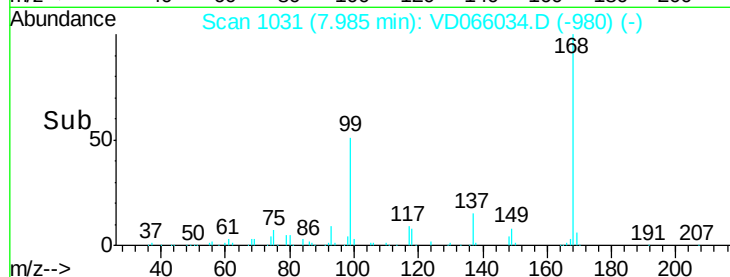
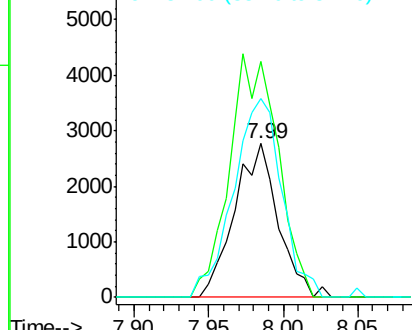
56 100

69 153.6 28.0 42.0#

84 129.6 72.6 109.0#



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: 50.339 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066034.D

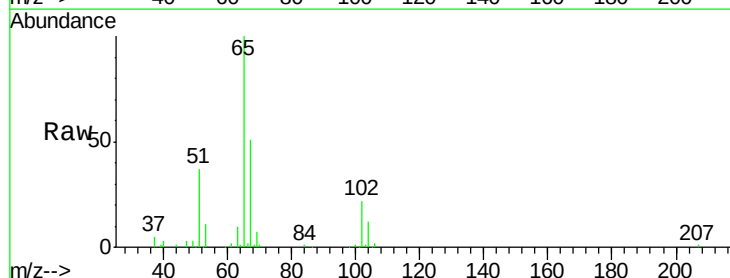
Acq: 23 Jul 2020 19:42

Tgt Ion: 65 Resp: 126902

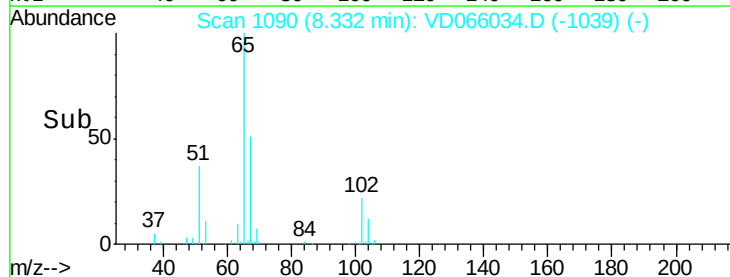
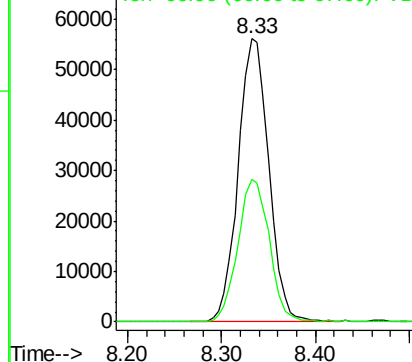
Ion Ratio Lower Upper

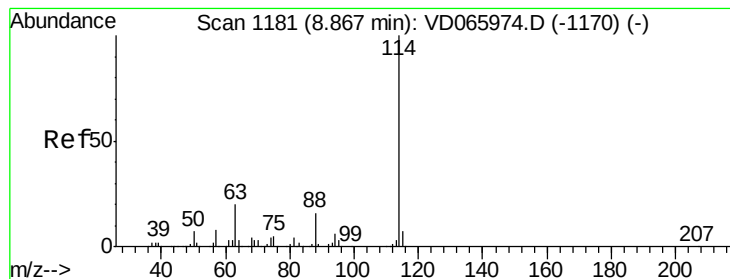
65 100

67 51.6 0.0 105.0



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: VD066034.D

Acq: 23 Jul 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-C2-C3-C2A-C3A

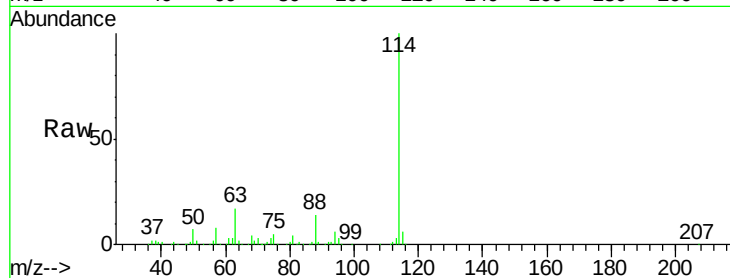
Tot Ion:114 Resp: 483353

Ion Ratio Lower Upper

114 100

63 16.8 0.0 39.6

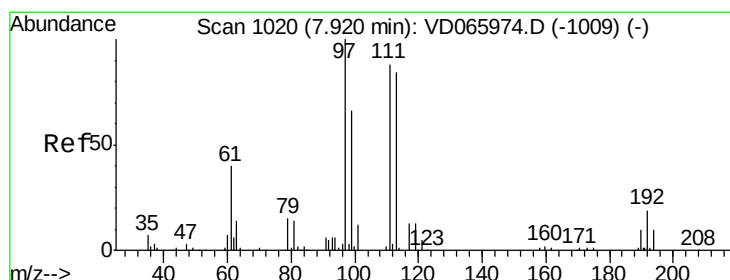
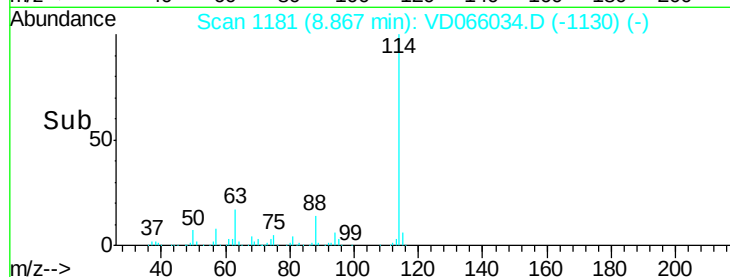
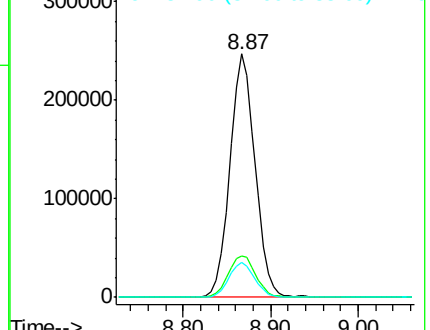
88 14.2 0.0 31.2



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: 50.126 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

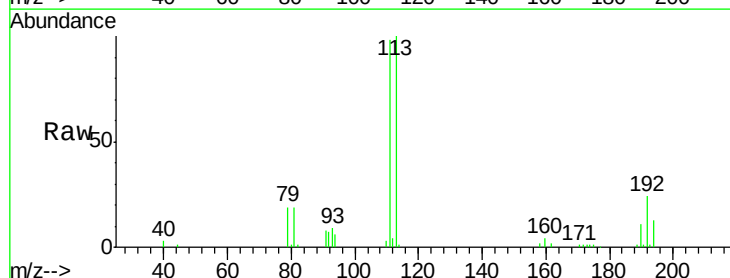
Tgt Ion:113 Resp: 146953

Ion Ratio Lower Upper

113 100

111 101.7 83.2 124.8

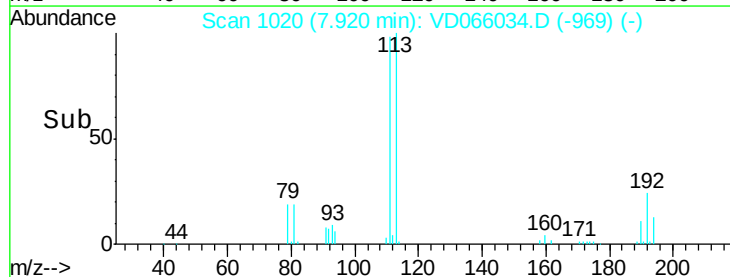
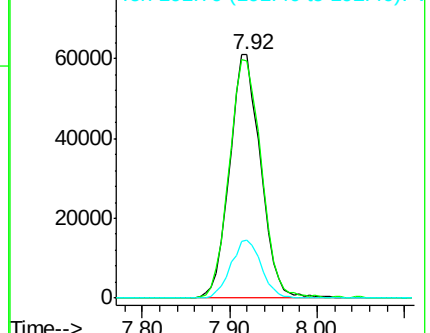
192 23.3 18.7 28.1

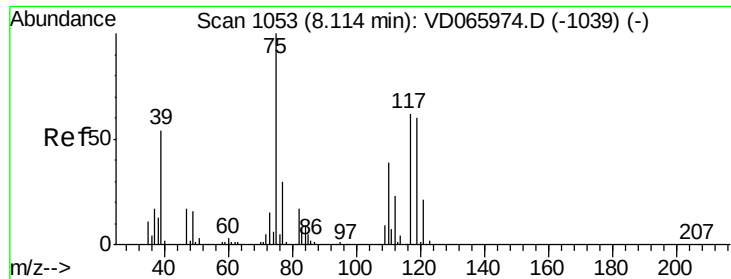


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

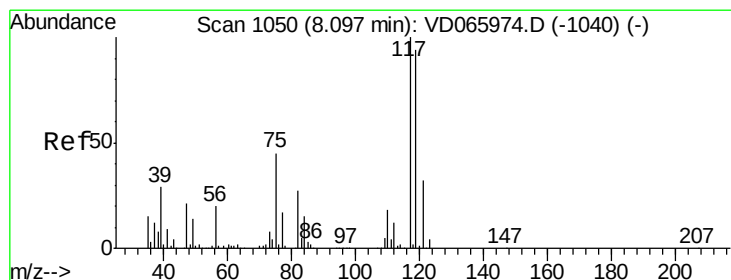
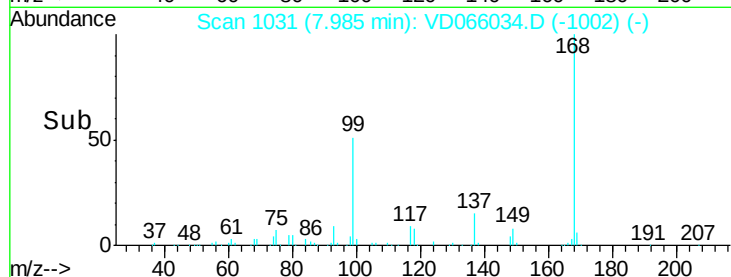
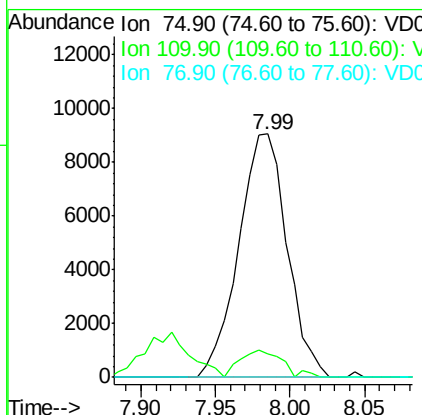
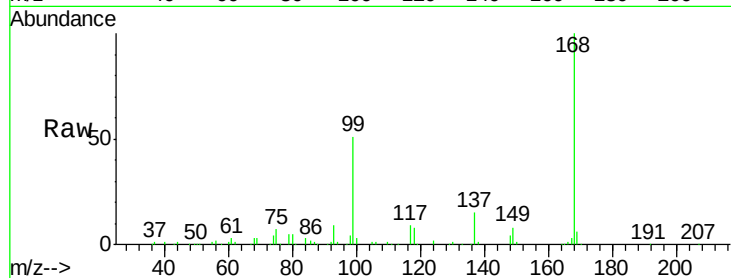




#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066034.D
 Acq: 23 Jul 2020 19:42

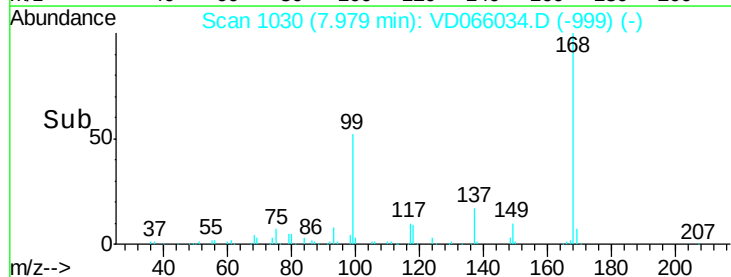
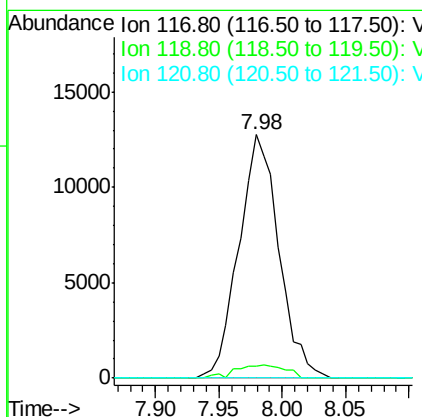
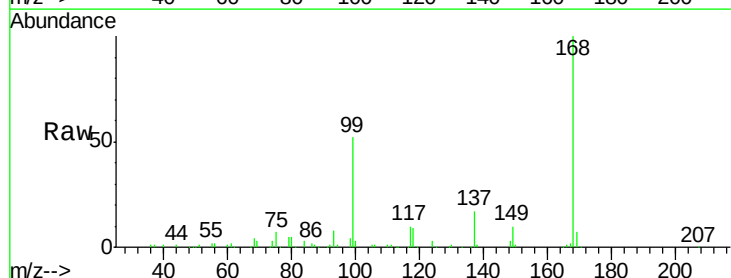
Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-C2-C3-C2A-C3A

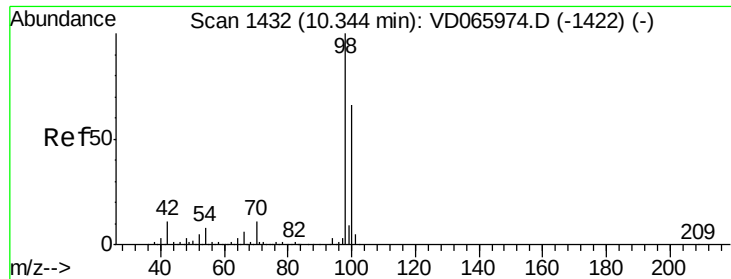
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.263 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066034.D
 Acq: 23 Jul 2020 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.0	112.6#
121	0.0	25.5	38.3#

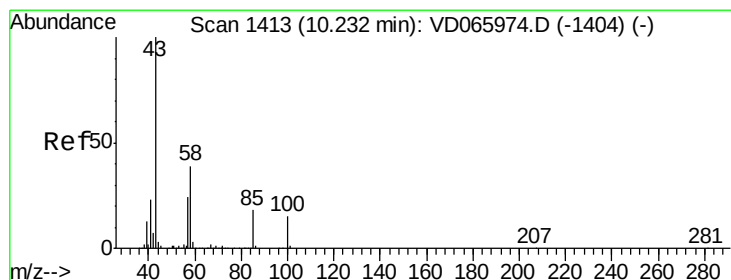
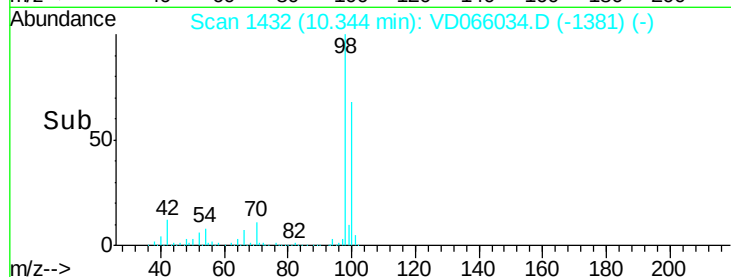
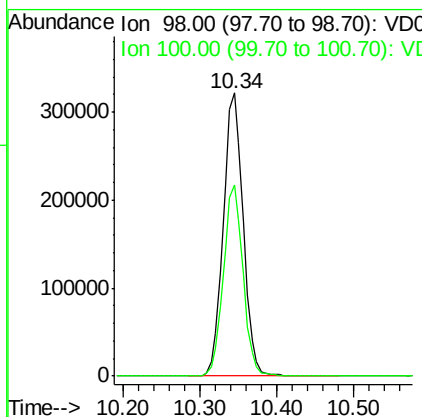
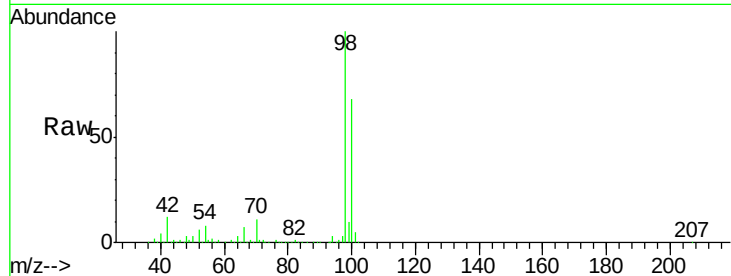




#50
Toluene-d8
Concen: 53.077 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066034.D
Acq: 23 Jul 2020 19:42

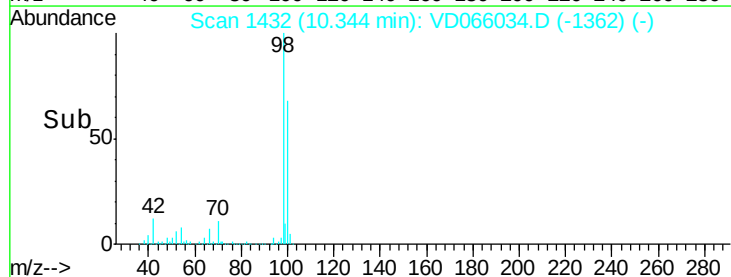
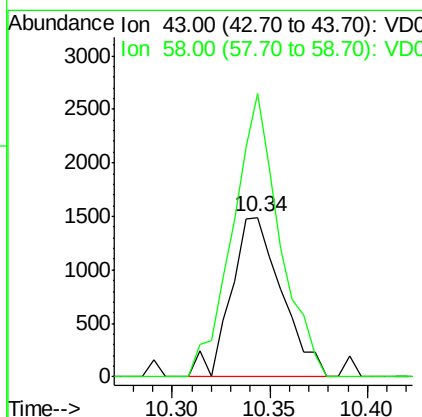
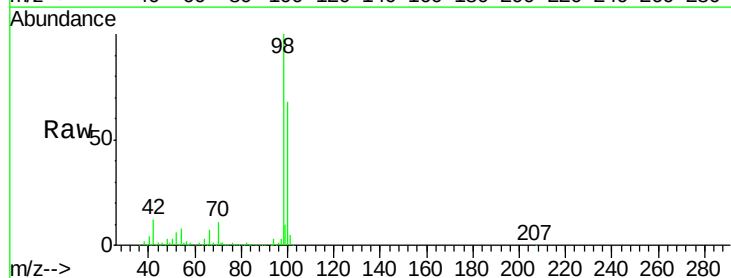
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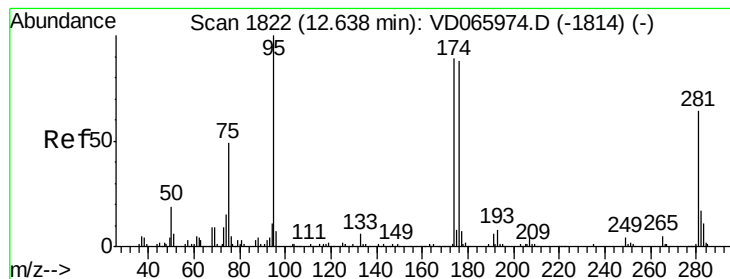
Tot Ion: 98 Resp: 579669
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.735 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD066034.D
Acq: 23 Jul 2020 19:42

Tgt Ion: 43 Resp: 2690
Ion Ratio Lower Upper
43 100
58 164.1 31.3 46.9#





#62

4-Bromofluorobenzene

Concen: 60.923 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-C2-C3-C2A-C3A

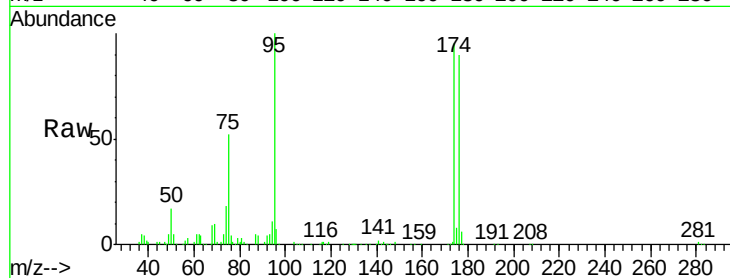
Tot Ion: 95 Resp: 230706

Ion Ratio Lower Upper

95 100

174 95.2 0.0 178.8

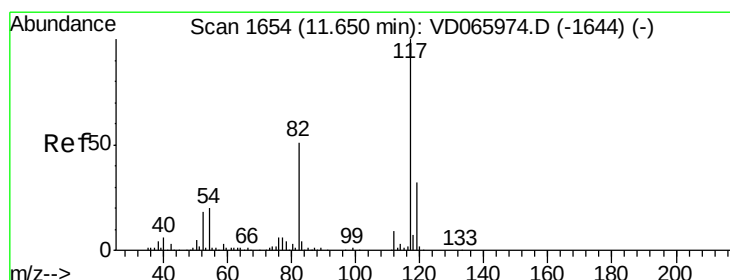
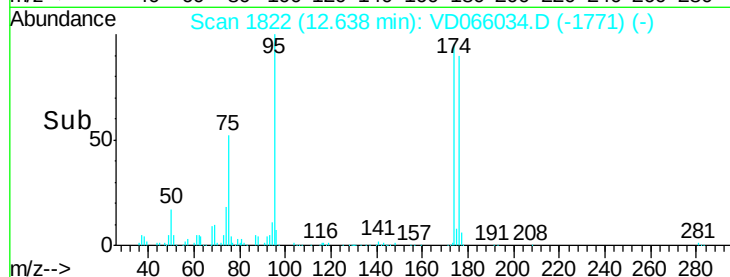
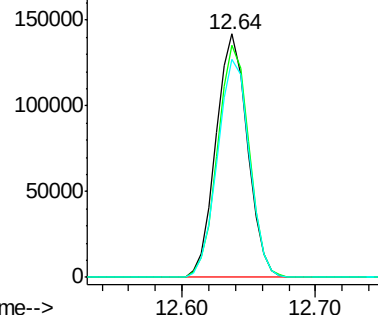
176 90.8 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VD065974.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD065974.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD065974.D (-1814) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

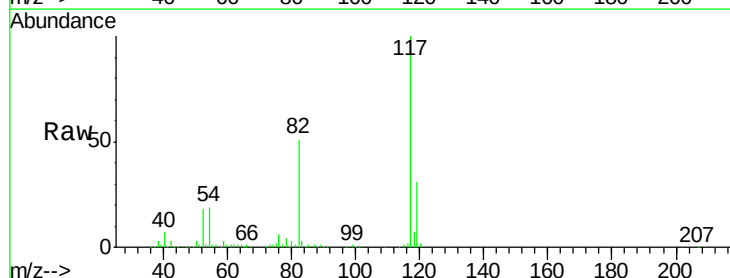
Tgt Ion: 117 Resp: 512910

Ion Ratio Lower Upper

117 100

82 50.5 41.1 61.7

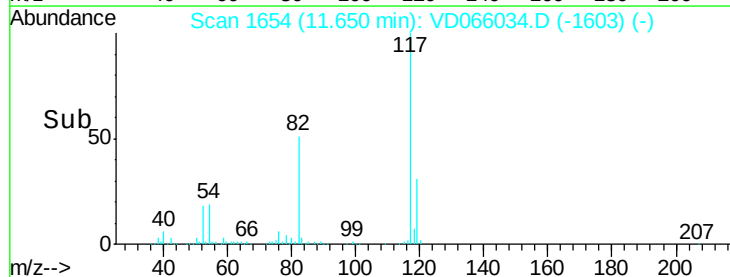
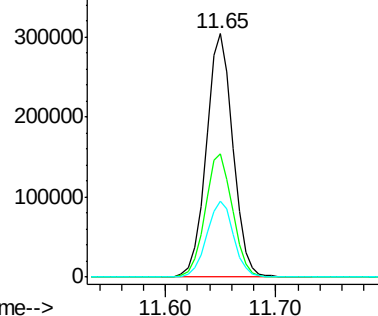
119 31.4 25.9 38.9

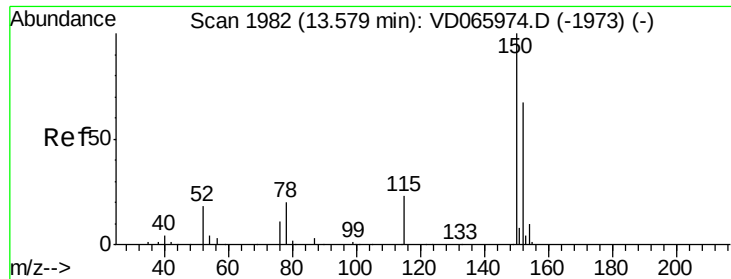


Abundance Ion 116.90 (116.60 to 117.60): VD065974.D (-1644) (-)

Ion 82.00 (81.70 to 82.70): VD065974.D (-1644) (-)

Ion 118.90 (118.60 to 119.60): VD065974.D (-1644) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-C2-C3-C2A-C3A

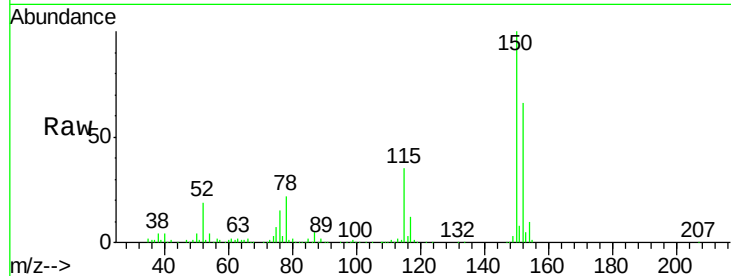
Tot Ion:152 Resp: 271564

Ion Ratio Lower Upper

152 100

115 55.8 27.9 83.7

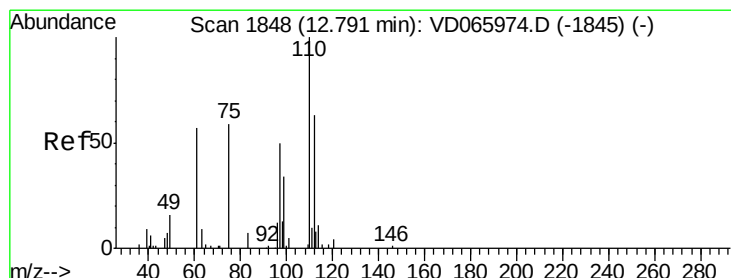
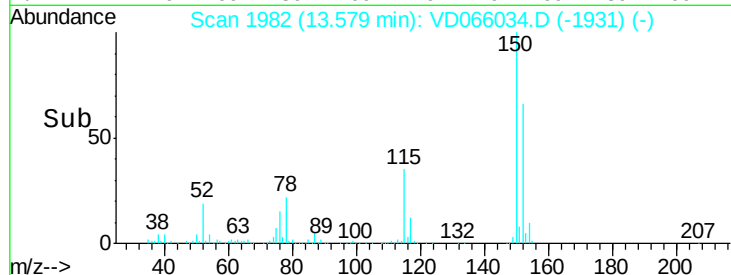
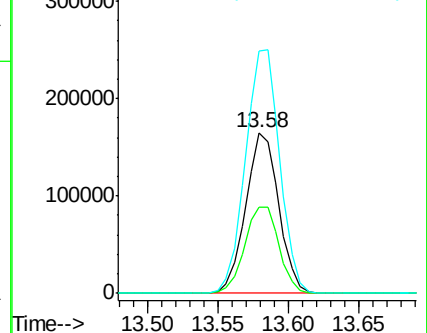
150 156.8 0.0 348.2



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: 56.928 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066034.D

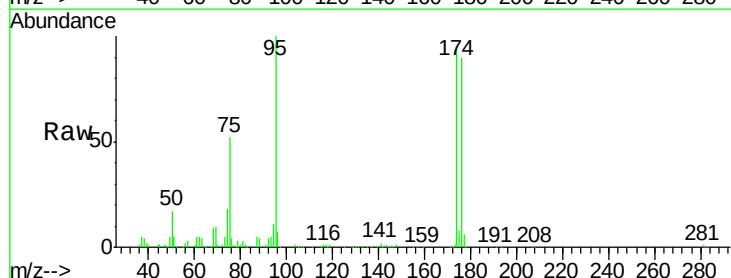
Acq: 23 Jul 2020 19:42

Tgt Ion: 75 Resp: 116402

Ion Ratio Lower Upper

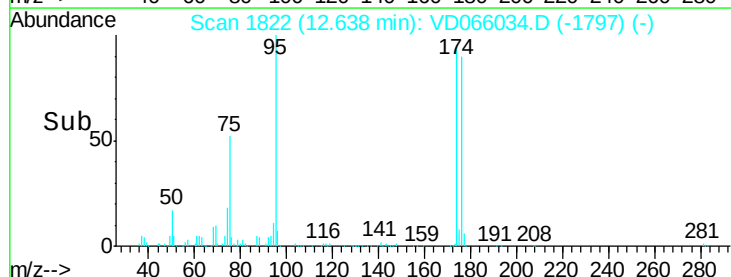
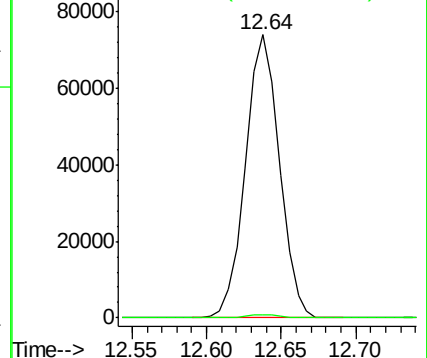
75 100

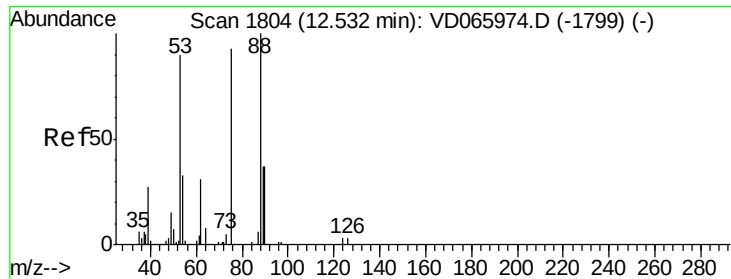
77 1.1 0.0 0.0#



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: 130.629 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-C2-C3-C2A-C3A

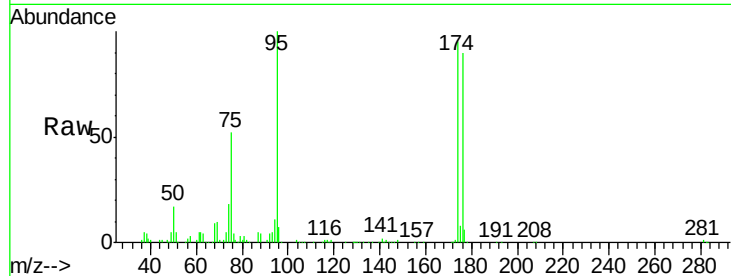
Tot Ion: 75 Resp: 116402

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

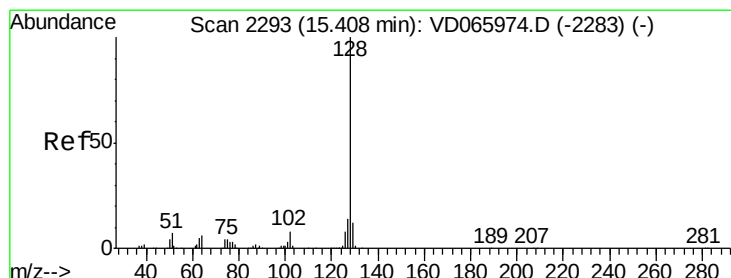
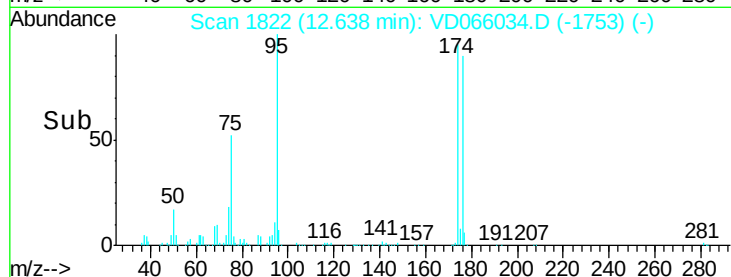
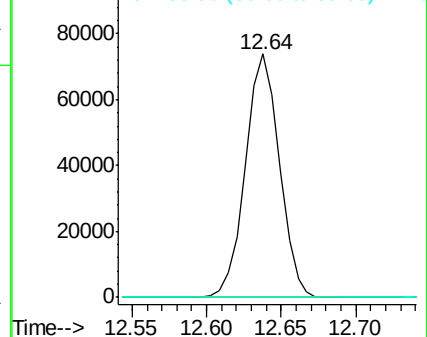
89 0.0 37.0 55.4#



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



#95

Naphthalene

Concen: 3.585 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066034.D

Acq: 23 Jul 2020 19:42

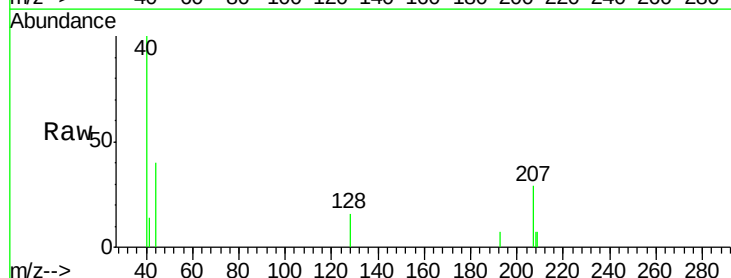
Tgt Ion: 128 Resp: 351

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

