

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052620\
 Data File : VD065761.D
 Acq On : 26 May 2020 14:50
 Operator : VA/SY
 Sample : L2768-01
 Misc : 6.22G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 27 02:59:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 14:28:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	308276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	493176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	449616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217808	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	153674	61.86	ug/l	0.00
Spiked Amount			Recovery	=	123.72%	
35) Dibromofluoromethane	7.92	113	153267	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
50) Toluene-d8	10.34	98	587335	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
62) 4-Bromofluorobenzene	12.64	95	202046	56.09	ug/l	0.00
Spiked Amount			Recovery	=	112.18%	

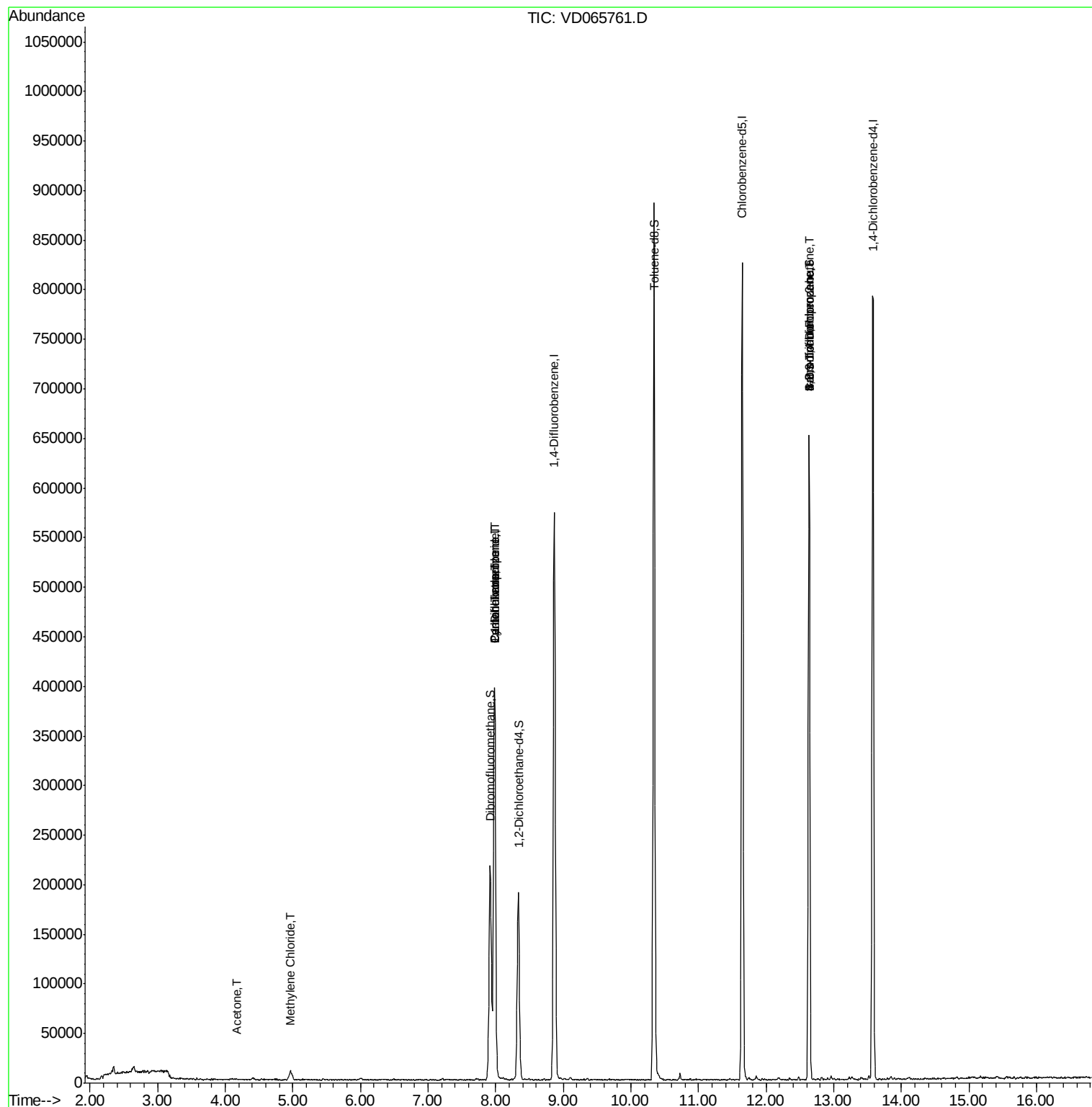
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.46	59	55	Below Cal	#	75
16) Acetone	4.17	43	1103	2.165	ug/l #	45
18) Methyl Acetate	4.73	43	82	Below Cal	#	52
20) Methylene Chloride	4.96	84	6416	2.232	ug/l #	78
31) Cyclohexane	7.98	56	7077	1.434	ug/l #	29
36) 1,1-Dichloropropene	7.98	75	24015	5.607	ug/l #	50
38) Carbon Tetrachloride	7.98	117	30905	6.803	ug/l #	15
71) Bromoform	12.64	173	2533	1.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	105086	64.648	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105086	126.829	ug/l #	13

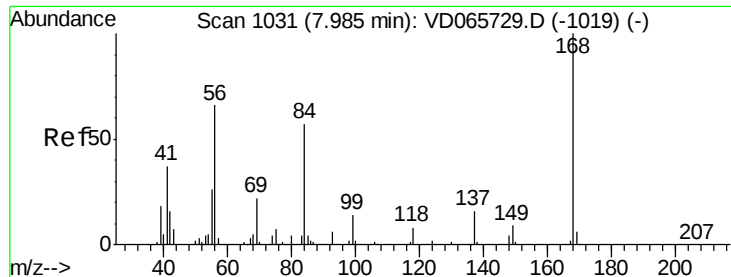
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

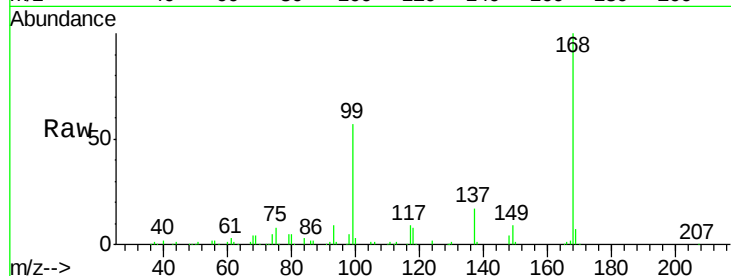
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 308276

Ion Ratio Lower Upper

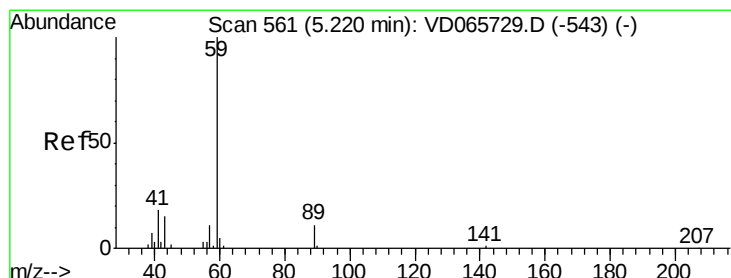
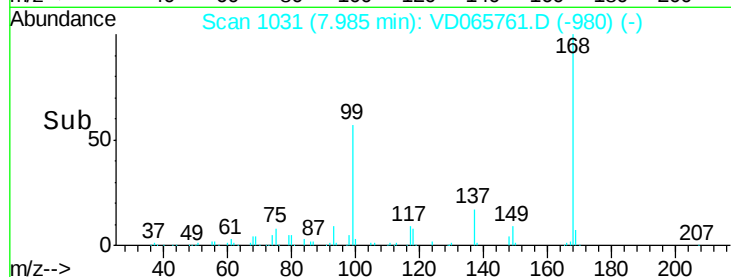
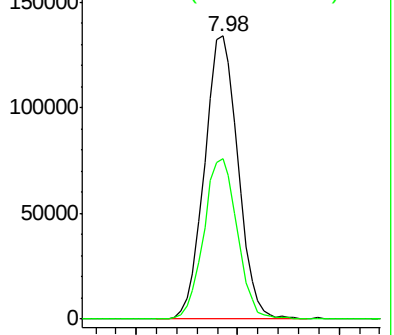
168 100

99 56.7 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.46 min Scan# 602

Delta R.T. 0.24 min

Lab File: VD065761.D

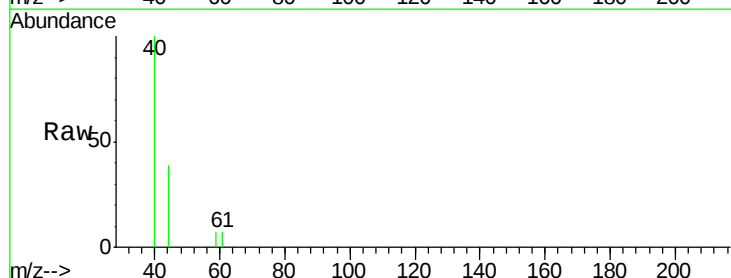
Acq: 26 May 2020 14:50

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

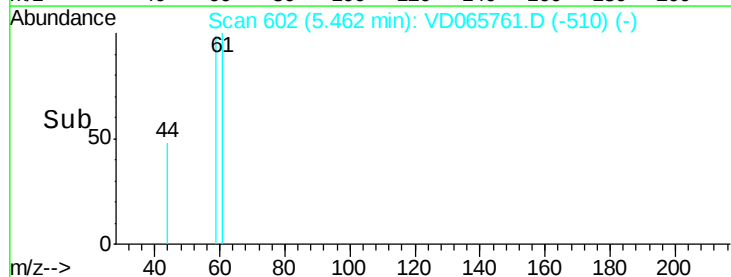
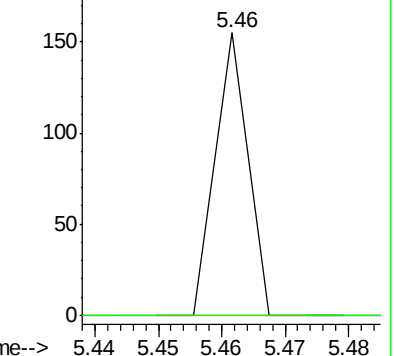
59 100

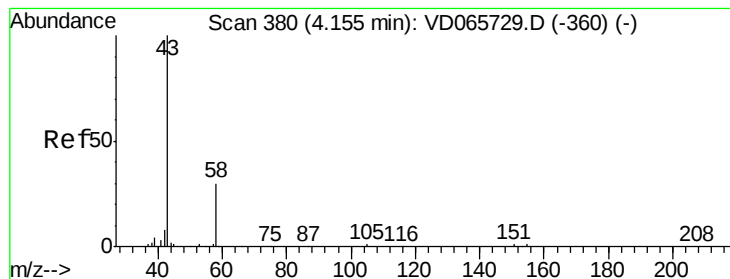
57 0.0 7.4 11.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.165 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

Instrument :

MSVOA_D

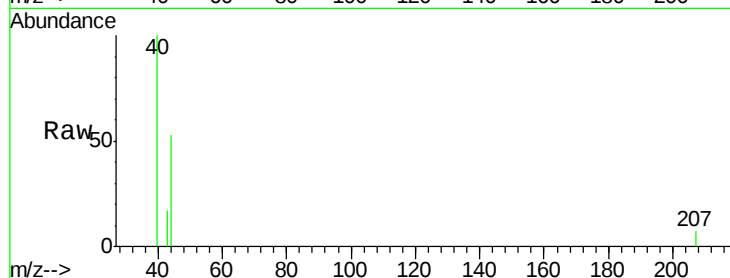
ClientSampleId :

Tot Ion: 43 Resp: 1103

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



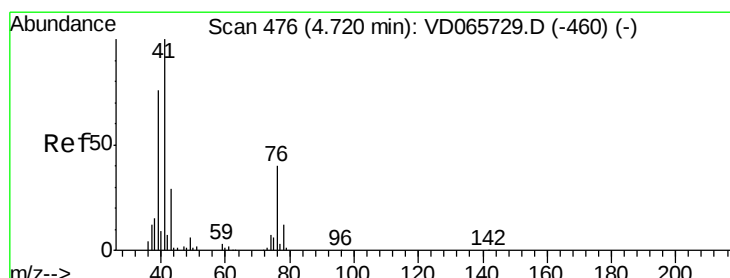
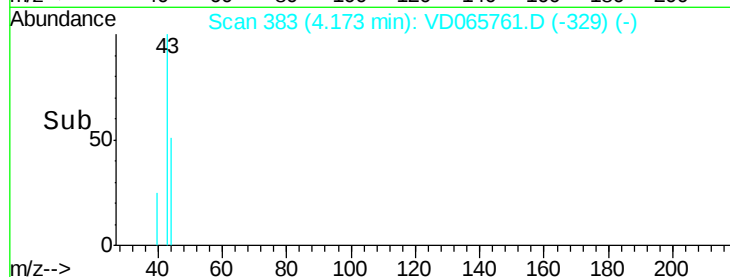
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

4.15 4.20

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065761.D

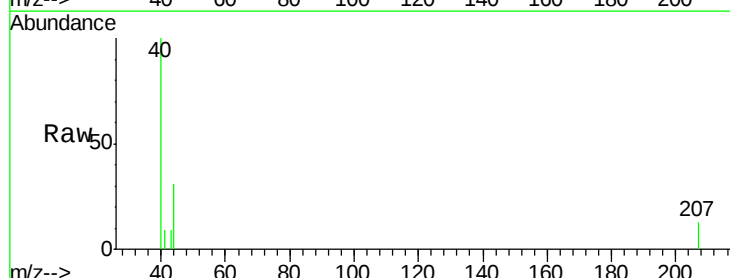
Acq: 26 May 2020 14:50

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



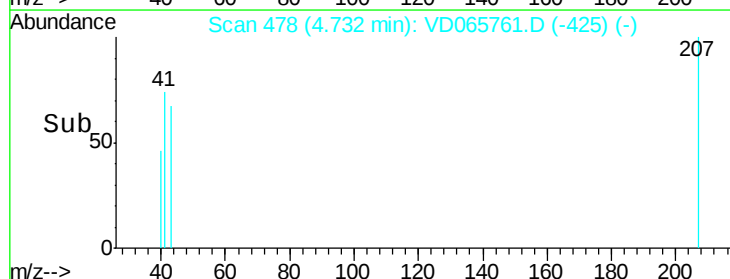
Abundance Ion 43.00 (42.70 to 43.70): VDC

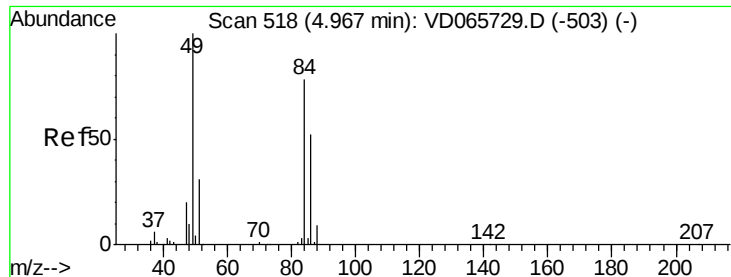
Ion 74.00 (73.70 to 74.70): VDC

4.73

4.72 4.74

Time-->

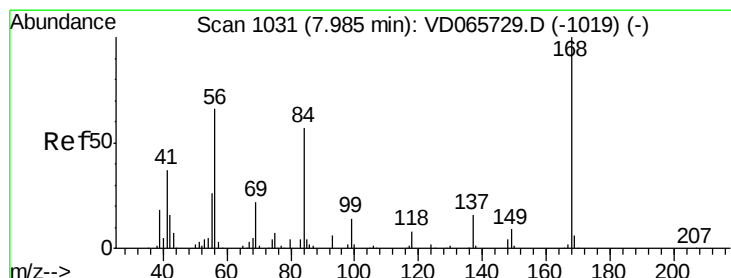
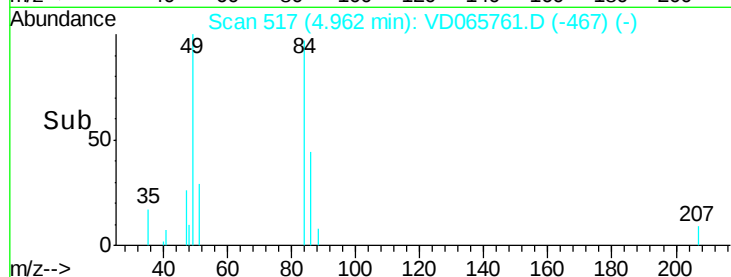
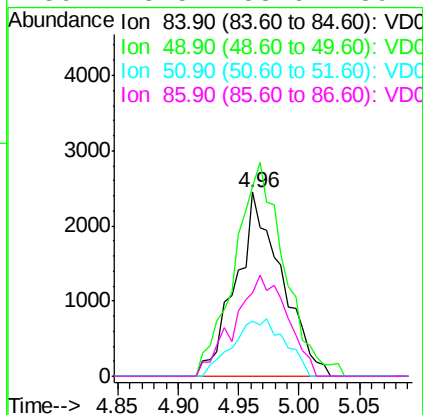
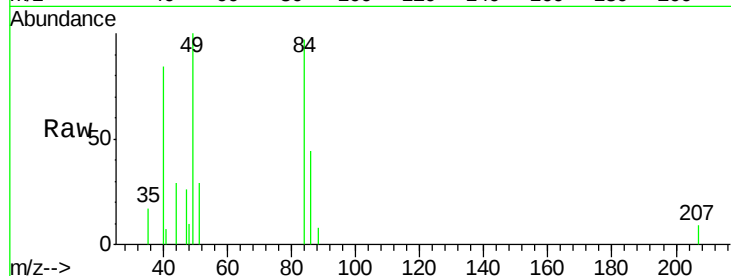




#20
Methvlene Chloride
Concen: 2.232 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065761.D
Acq: 26 May 2020 14:50

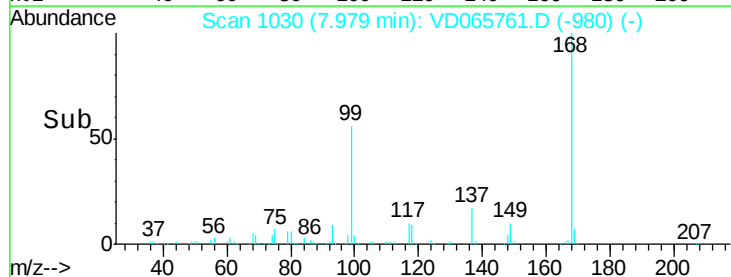
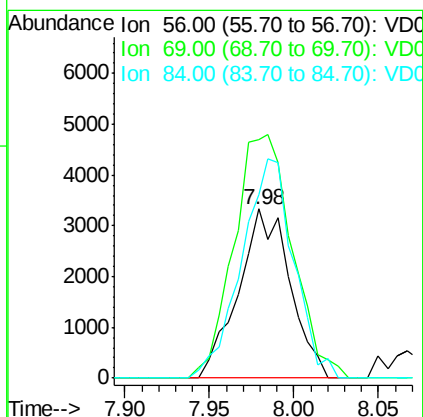
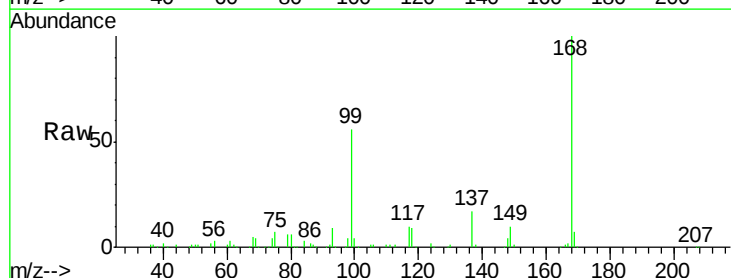
Instrument :
MSVOA_D
ClientSampleId :

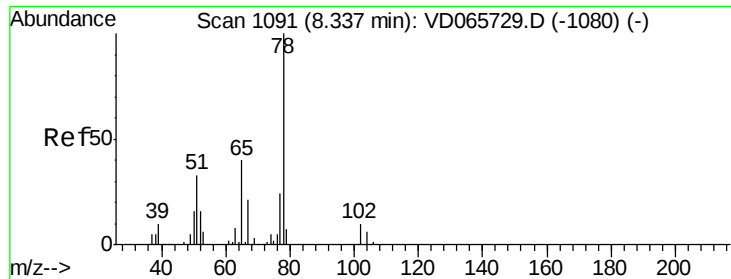
Tot Ion: 84 Resp: 6416
Ion Ratio Lower Upper
84 100
49 103.1 102.9 154.3
51 30.2 31.5 47.3#
86 45.5 53.6 80.4#



#31
Cyclohexane
Concen: 1.434 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065761.D
Acq: 26 May 2020 14:50

Tgt Ion: 56 Resp: 7077
Ion Ratio Lower Upper
56 100
69 141.5 25.9 38.9#
84 108.8 69.1 103.7#

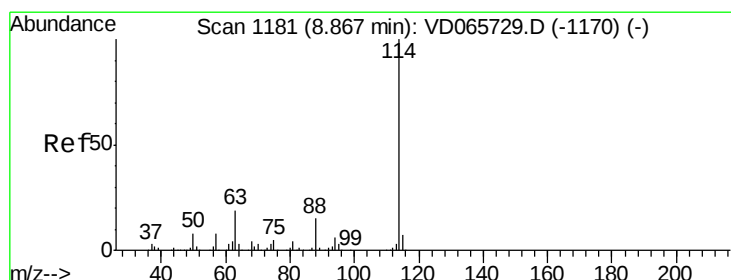
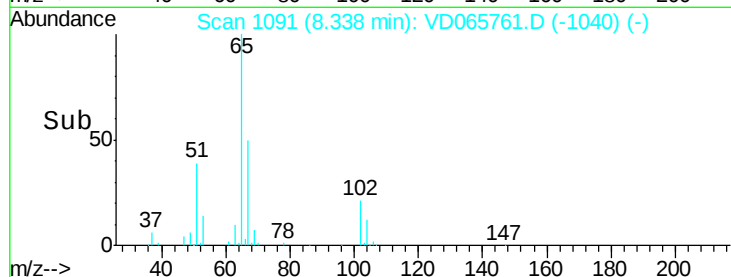
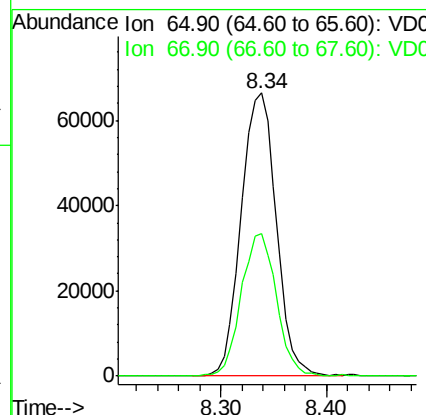
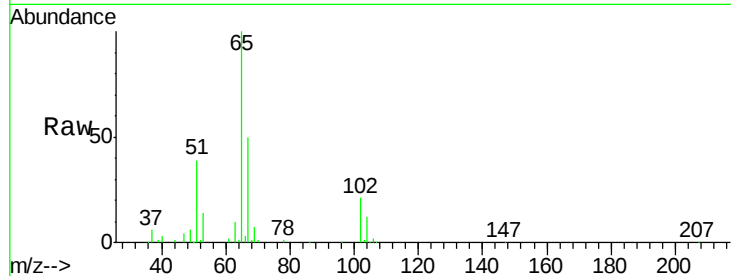




#33
 1,2-Dichloroethane-d4
 Concen: 61.859 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065761.D
 Acq: 26 May 2020 14:50

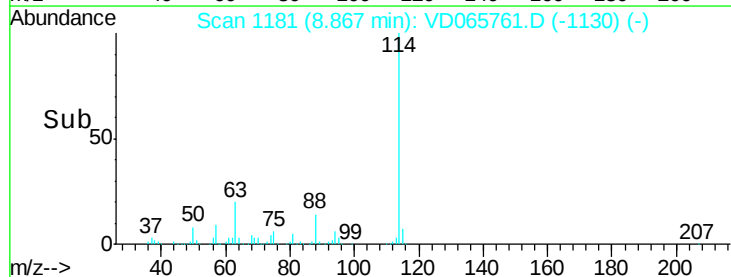
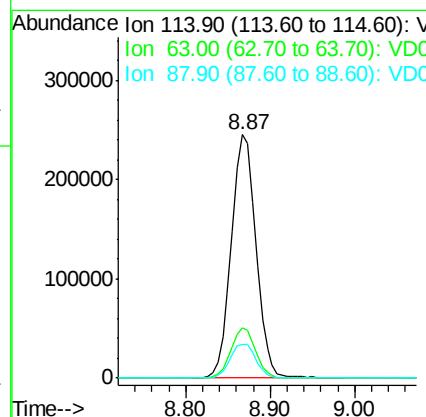
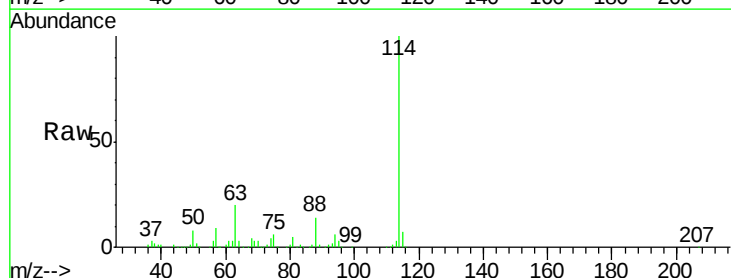
Instrument :
 MSVOA_D
 ClientSampleId :

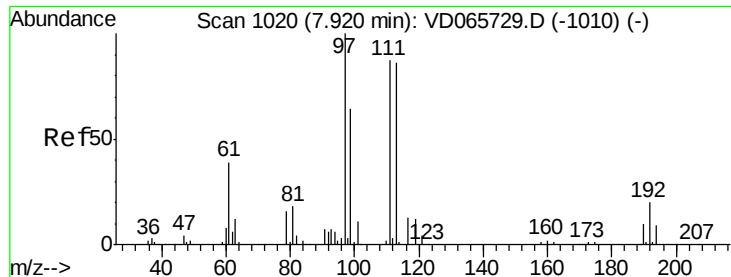
Tot Ion: 65 Resp: 153674
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065761.D
 Acq: 26 May 2020 14:50

Tgt Ion: 114 Resp: 493176
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 37.2
 88 14.0 0.0 30.2

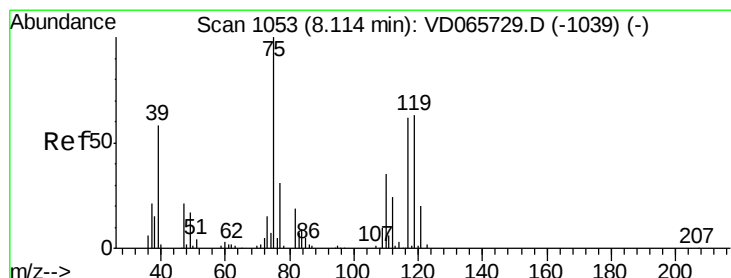
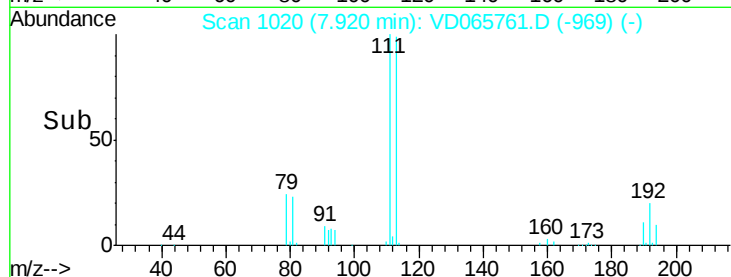
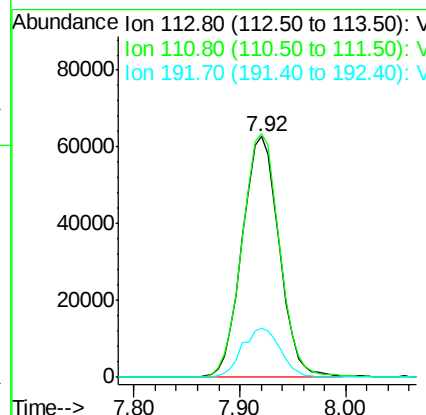
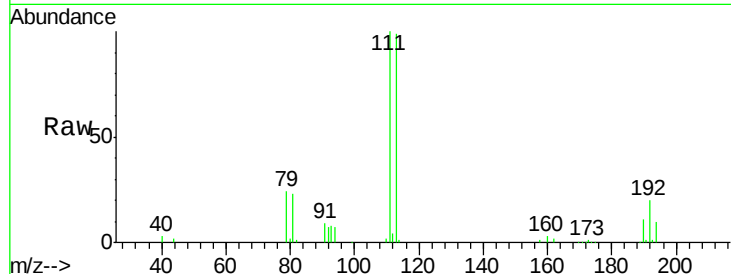




#35
 Dibromofluoromethane
 Concen: 54.856 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065761.D
 Acq: 26 May 2020 14:50

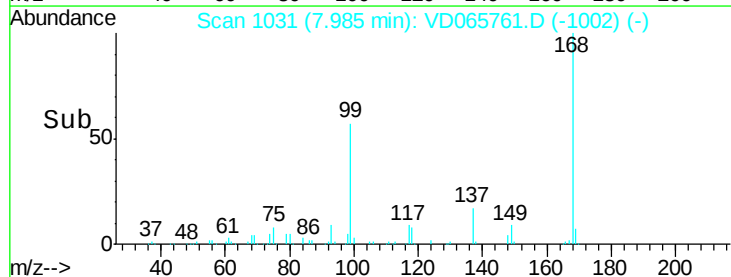
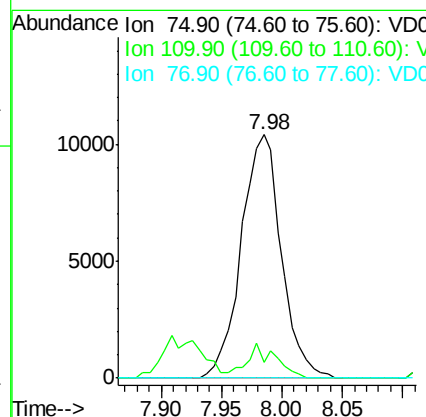
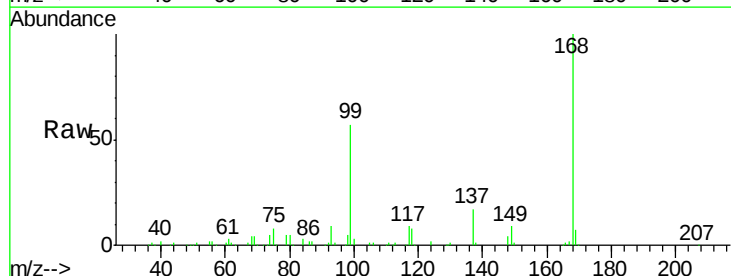
Instrument :
 MSVOA_D
 ClientSampleId :

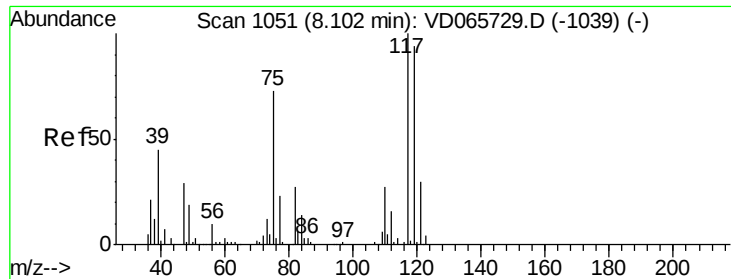
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	21.0	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 5.607 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065761.D
 Acq: 26 May 2020 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.4	55.2#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.803 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

Instrument :

MSVOA_D

ClientSampleId :

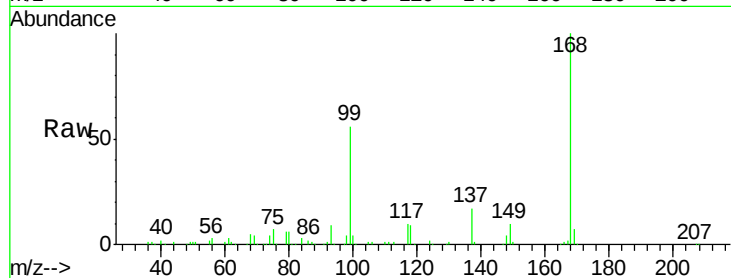
Tot Ion:117 Resp: 30905

Ion Ratio Lower Upper

117 100

119 2.8 75.6 113.4#

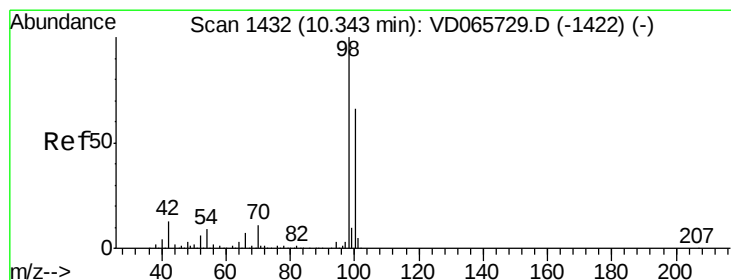
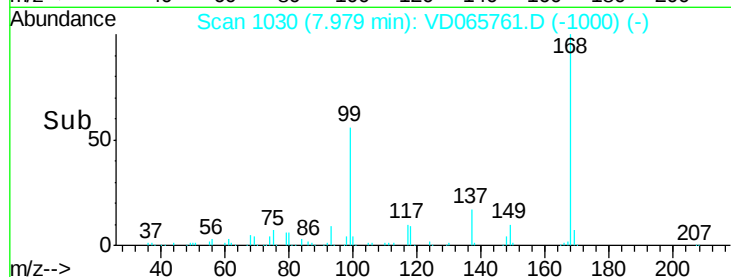
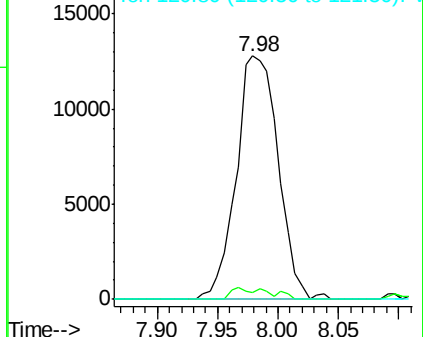
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 55.216 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065761.D

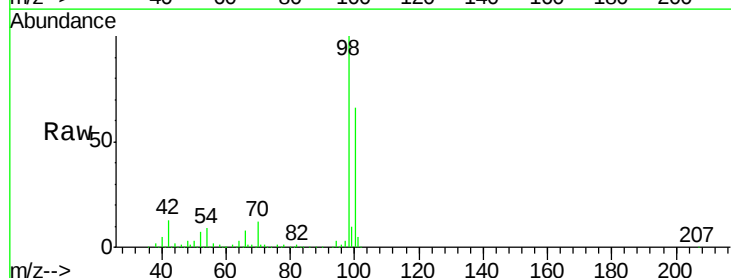
Acq: 26 May 2020 14:50

Tgt Ion: 98 Resp: 587335

Ion Ratio Lower Upper

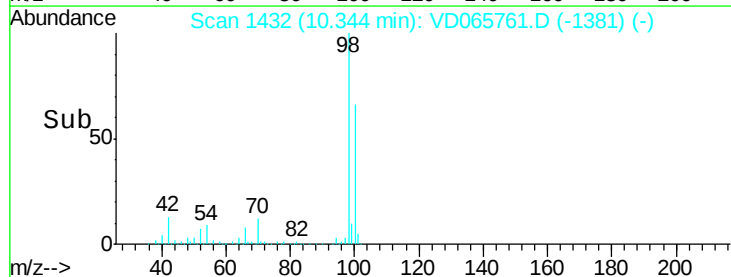
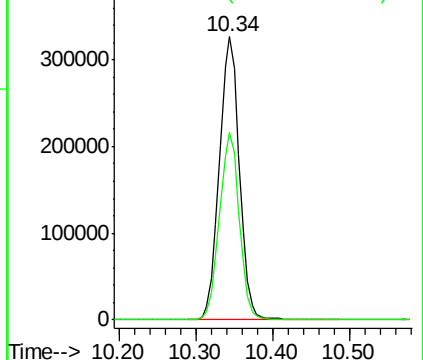
98 100

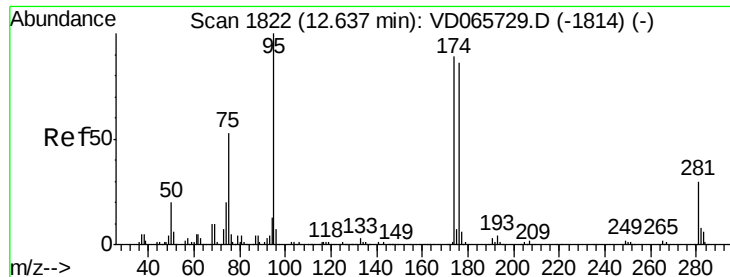
100 65.6 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 56.087 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

Instrument :

MSVOA_D

ClientSampleId :

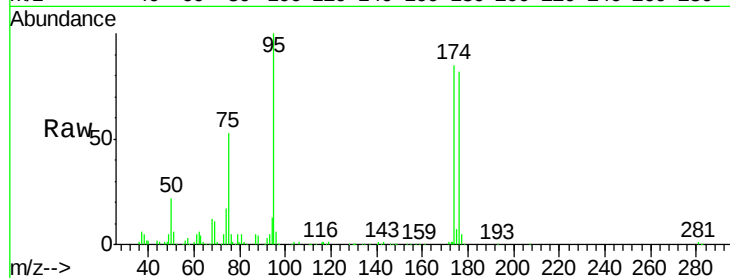
Tot Ion: 95 Resp: 202046

Ion Ratio Lower Upper

95 100

174 84.9 0.0 179.4

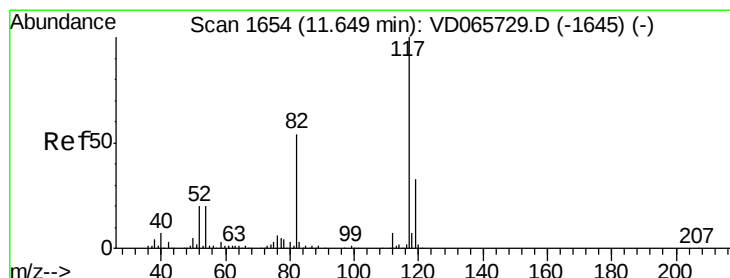
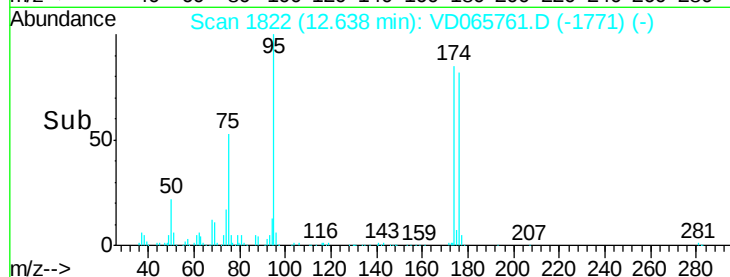
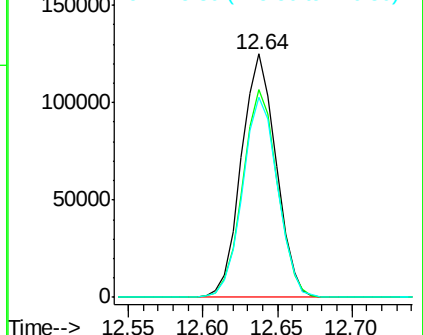
176 82.7 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD065761.D

Acq: 26 May 2020 14:50

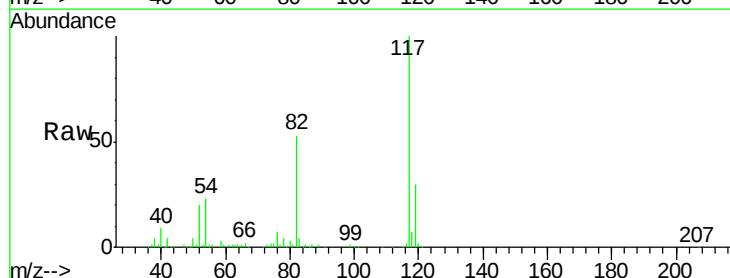
Tgt Ion: 117 Resp: 449616

Ion Ratio Lower Upper

117 100

82 53.2 43.0 64.6

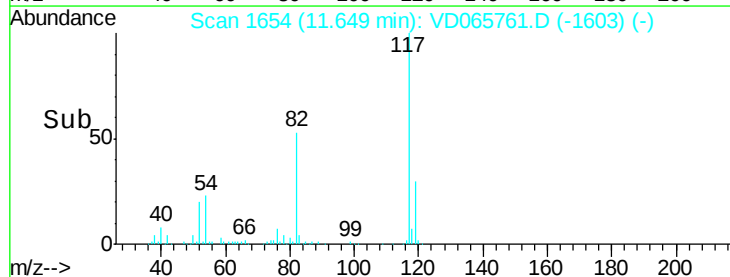
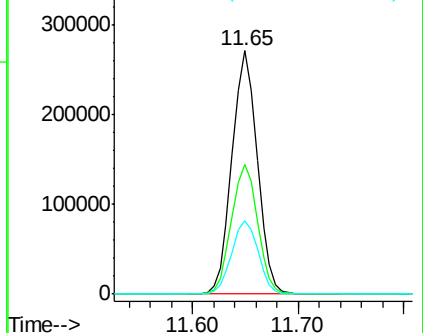
119 30.4 26.6 40.0

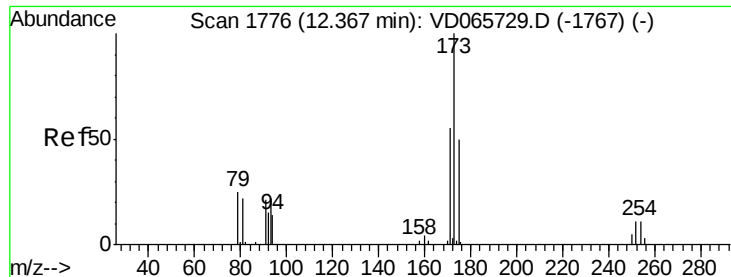


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.447 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

Instrument :

MSVOA_D

ClientSampleId :

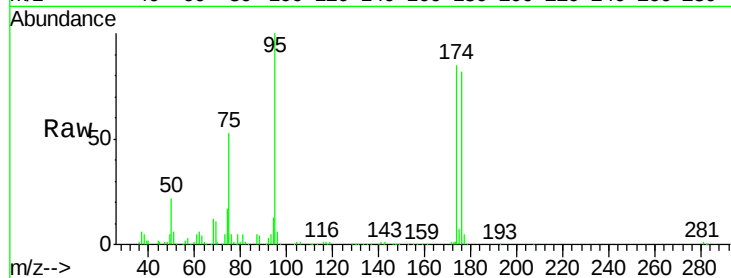
Tot Ion:173 Resp: 2533

Ion Ratio Lower Upper

173 100

175 399.6 24.6 73.6#

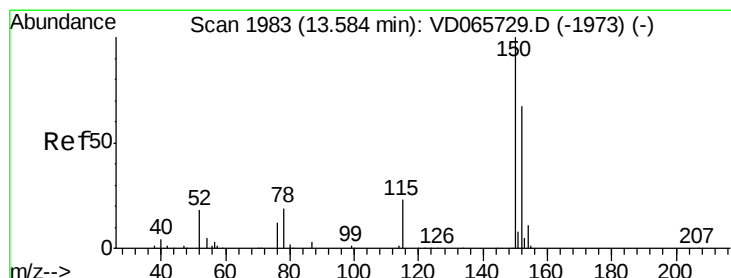
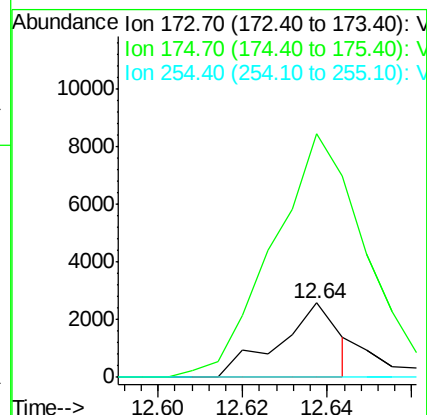
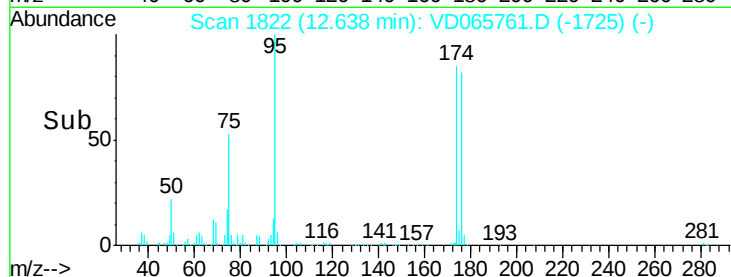
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

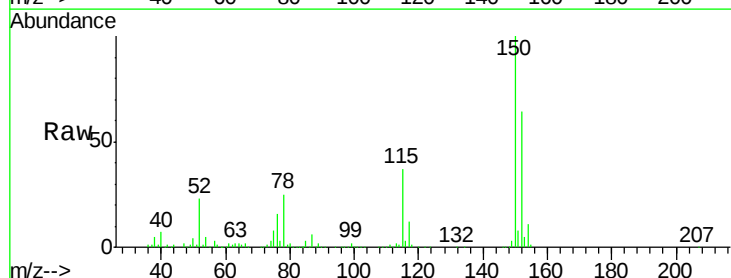
Tgt Ion:152 Resp: 217808

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.3

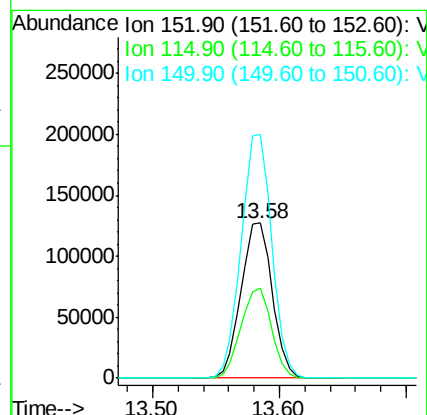
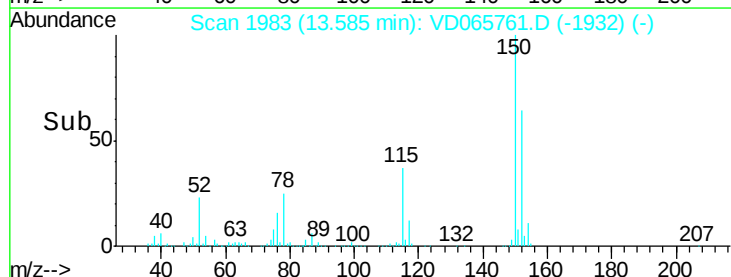
150 153.9 0.0 343.2

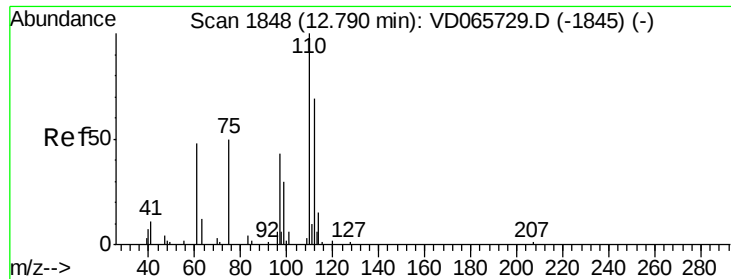


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 64.648 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

Instrument :

MSVOA_D

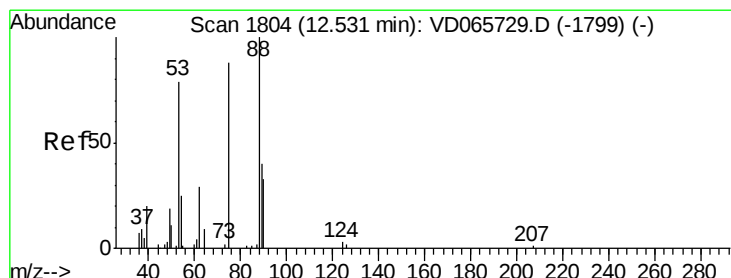
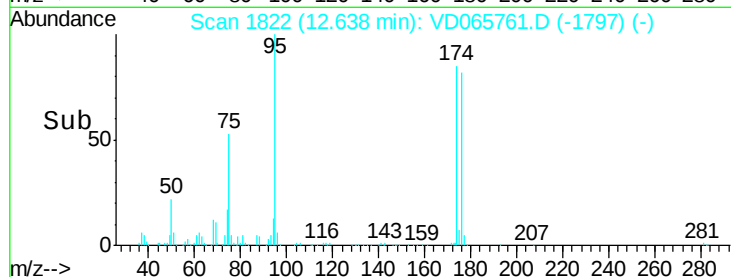
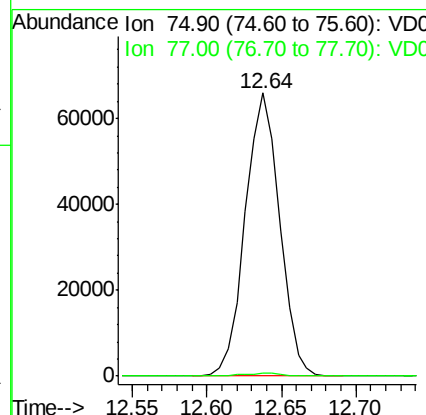
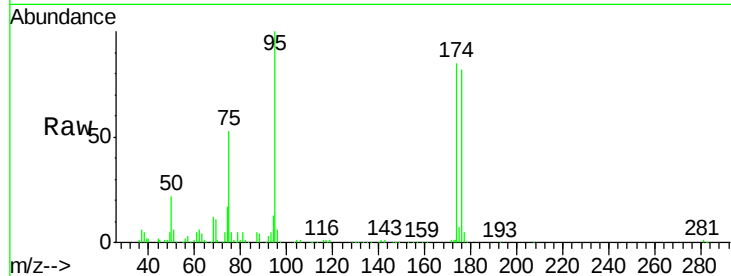
ClientSampleId :

Tot Ion: 75 Resp: 105086

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.829 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065761.D

Acq: 26 May 2020 14:50

Tgt Ion: 75 Resp: 105086

Ion Ratio Lower Upper

75 100

53 0.0 72.6 109.0#

89 0.1 37.0 55.4#

