

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065741.D
 Acq On : 14 May 2020 14:28
 Operator : VA/SY
 Sample : L2646-02
 Misc : 6.60G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 06:13:30 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	298441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	456152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	403469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193459	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	125878	52.34	ug/l	0.00
Spiked Amount						
			Recovery	=	104.68%	
35) Dibromofluoromethane	7.92	113	134064	51.88	ug/l	0.00
Spiked Amount						
			Recovery	=	103.76%	
50) Toluene-d8	10.34	98	500286	50.85	ug/l	0.00
Spiked Amount						
			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.64	95	171396	51.44	ug/l	0.00
Spiked Amount						
			Recovery	=	102.88%	

Target Compounds

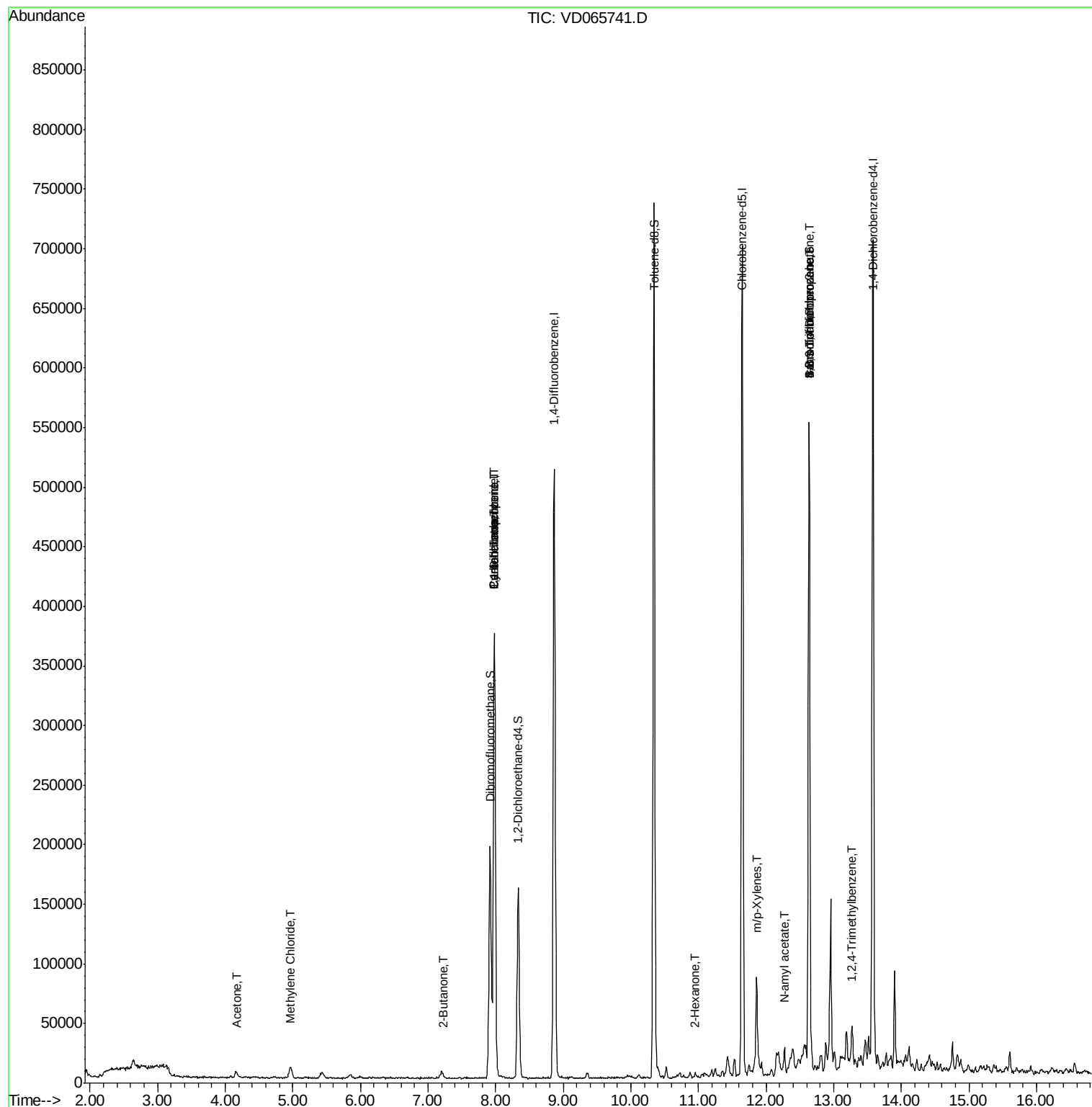
					Qvalue
11) Tert butyl alcohol	5.21	59	237	Below Cal	# 75
13) Acrolein	3.85	56	79	Below Cal	# 1
16) Acetone	4.17	43	9610	19.481	ug/l 95
18) Methyl Acetate	4.71	43	1088	Below Cal	# 63
20) Methylene Chloride	4.97	84	7419	2.666	ug/l # 67
25) 2-Butanone	7.22	43	1990	2.822	ug/l # 85
31) Cyclohexane	7.98	56	6773	1.418	ug/l # 1
36) 1,1-Dichloropropene	7.98	75	20827	5.258	ug/l # 50
38) Carbon Tetrachloride	7.98	117	28052	6.676	ug/l # 16
59) 2-Hexanone	10.96	43	2440	2.226	ug/l # 25
68) m/p-Xylenes	11.86	106	6084	1.175	ug/l 99
71) Bromoform	12.64	173	1669	1.062	ug/l # 1
74) N-amyl acetate	12.27	43	5429	1.800	ug/l # 69
76) 1,2,3-Trichloropropane	12.64	75	84190	58.311	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.64	75	84190	114.398	ug/l # 13
84) 1,2,4-Trimethylbenzene	13.27	105	18400	1.743	ug/l 99

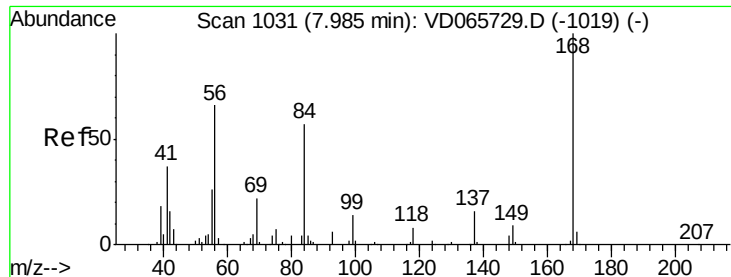
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
Quant Title : SW846 8260
QLast Update : Wed May 13 14:28:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065741.D

Acq: 14 May 2020 14:28

Instrument :

MSVOA_D

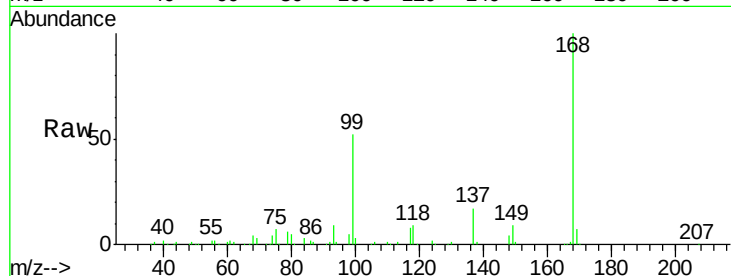
ClientSampleId :

Tot Ion:168 Resp: 298441

Ion Ratio Lower Upper

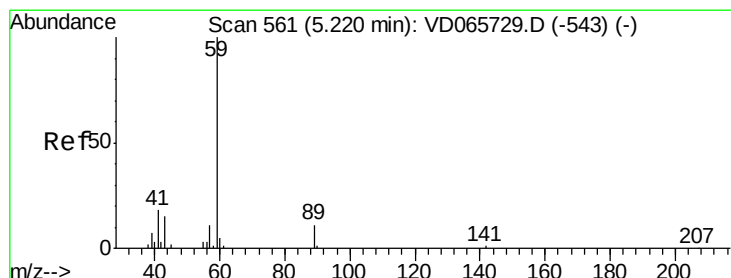
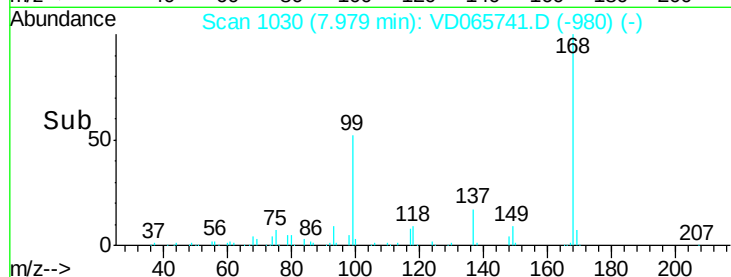
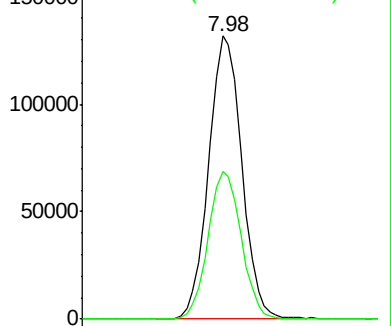
168 100

99 52.1 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: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD065741.D

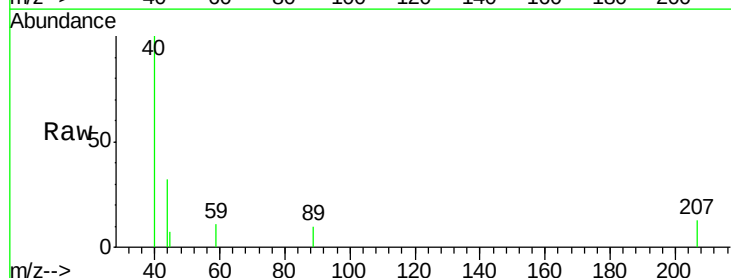
Acq: 14 May 2020 14:28

Tgt Ion: 59 Resp: 237

Ion Ratio Lower Upper

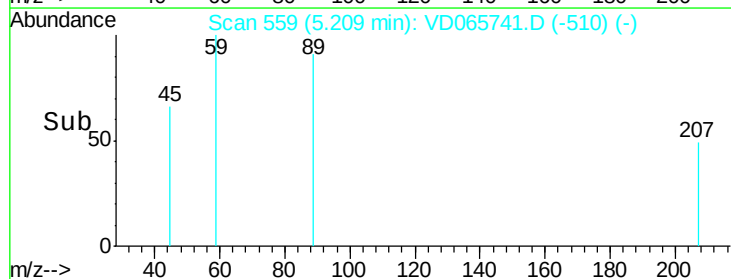
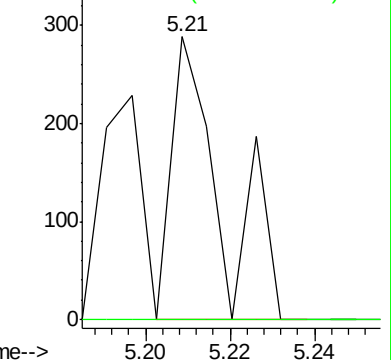
59 100

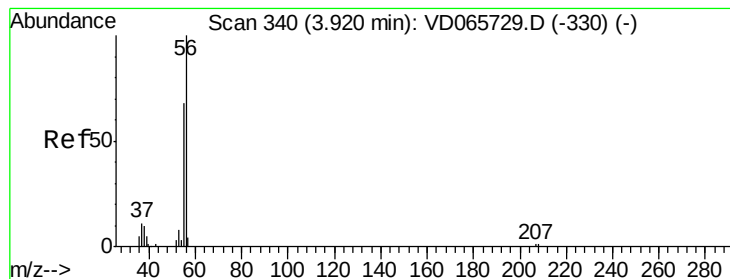
57 0.0 7.4 11.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#13

Acrolein

Concen: Below Cal

RT: 3.85 min Scan# 328

Delta R.T. -0.07 min

Lab File: VD065741.D

Acq: 14 May 2020 14:28

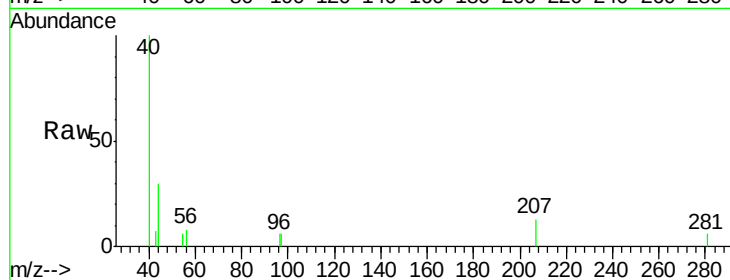
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 79

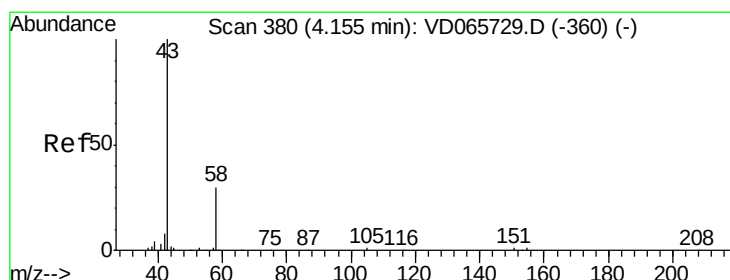
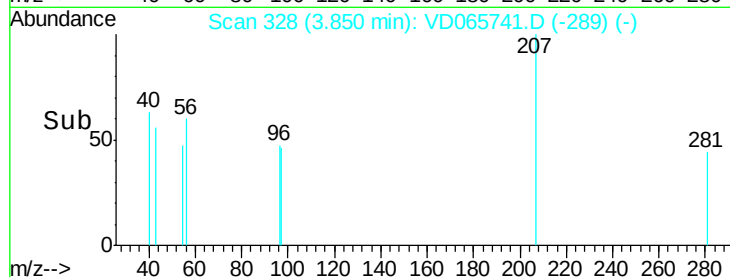
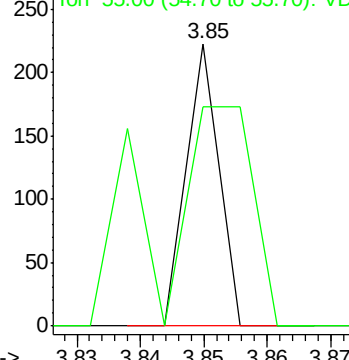
Ion Ratio Lower Upper

56 100

55 224.1 57.8 86.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 19.481 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065741.D

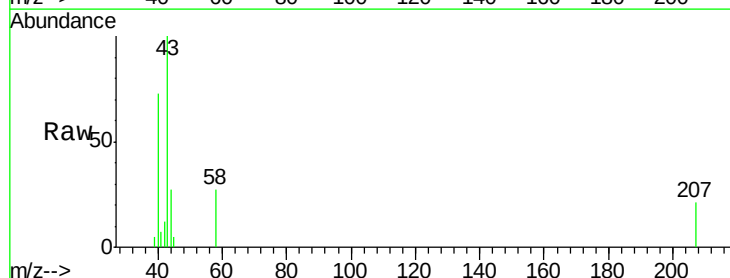
Acq: 14 May 2020 14:28

Tgt Ion: 43 Resp: 9610

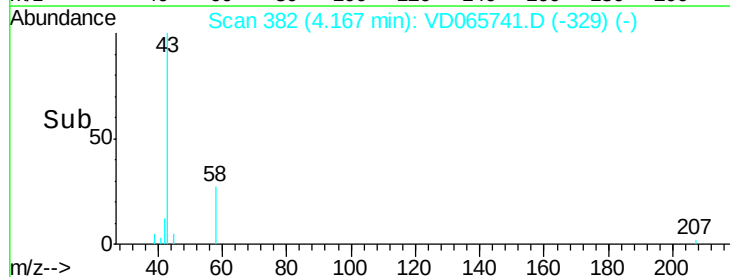
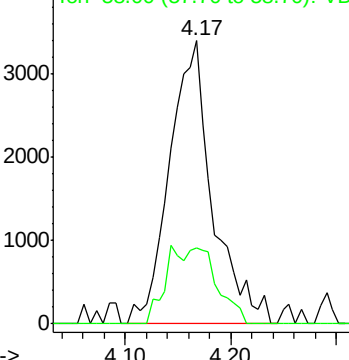
Ion Ratio Lower Upper

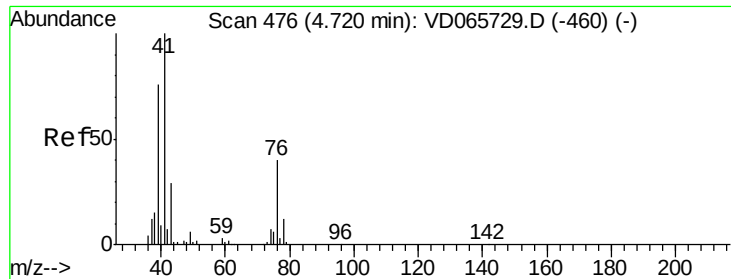
43 100

58 27.0 23.7 35.5



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

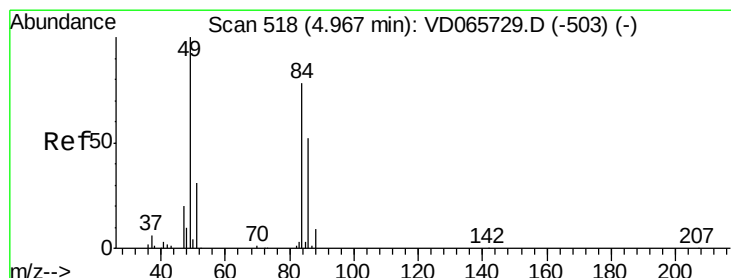
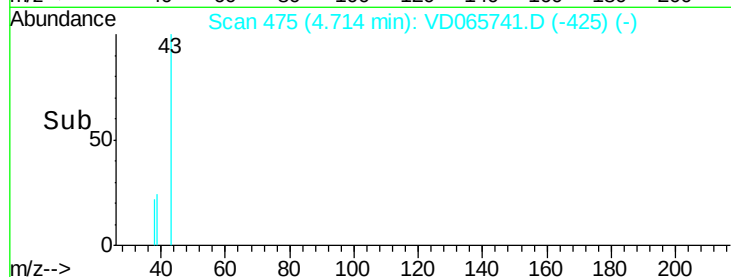
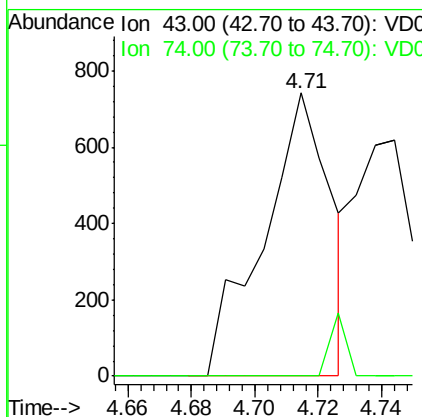
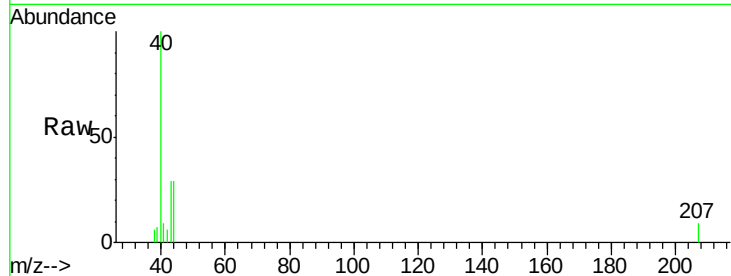




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

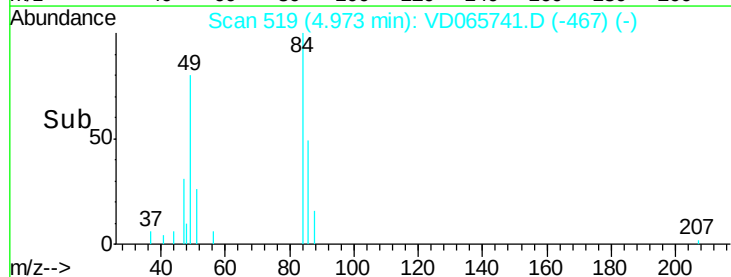
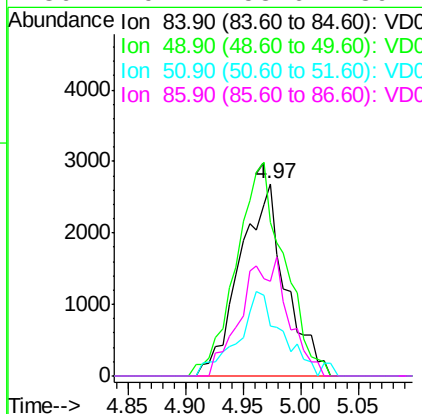
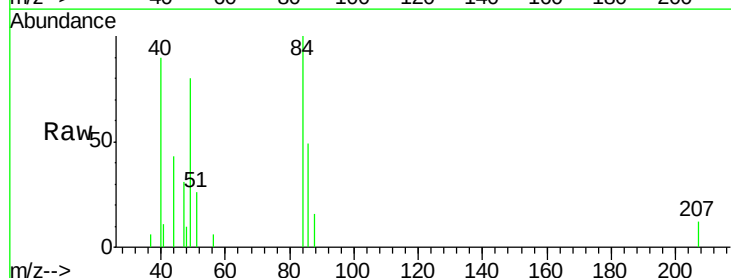
Instrument :
MSVOA_D
ClientSampleId :

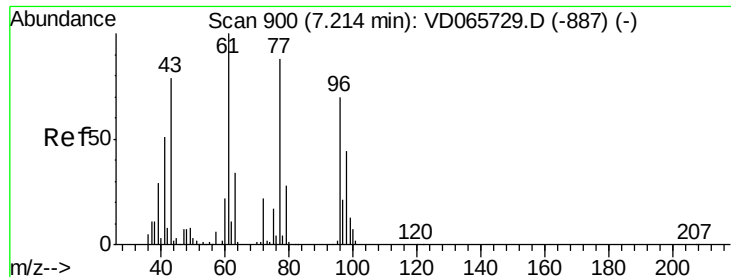
Tot Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
74 5.4 18.6 27.8#



#20
Methylene Chloride
Concen: 2.666 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Tgt Ion: 84 Resp: 7419
Ion Ratio Lower Upper
84 100
49 79.8 102.9 154.3#
51 25.7 31.5 47.3#
86 49.4 53.6 80.4#

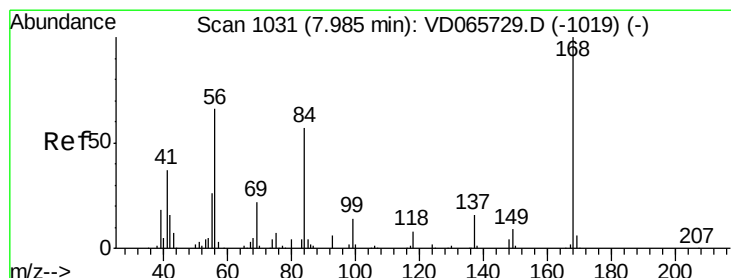
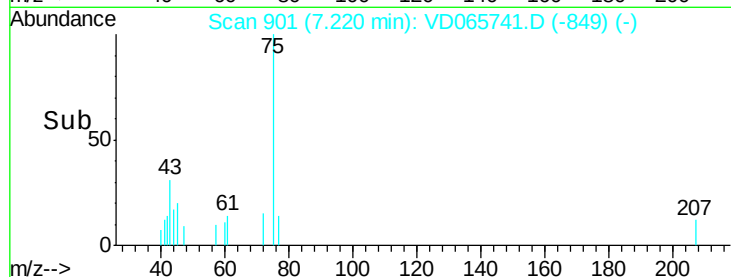
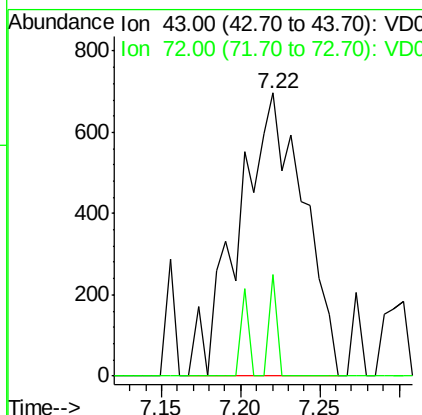
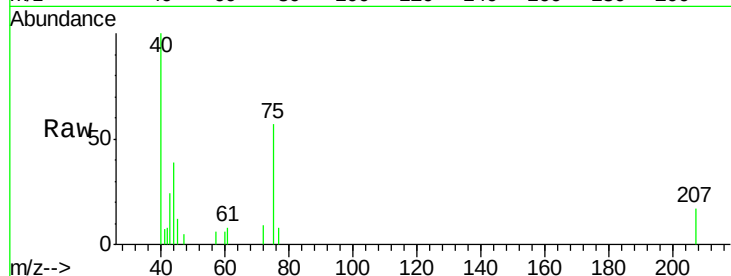




#25
2-Butanone
Concen: 2.822 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

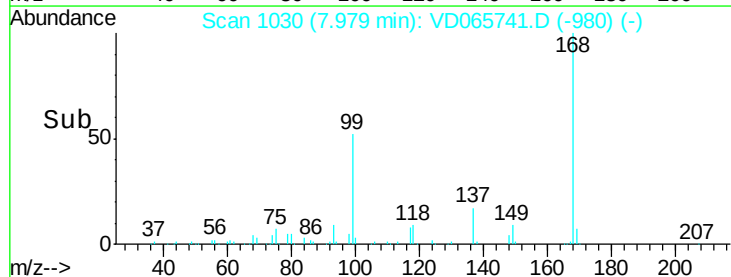
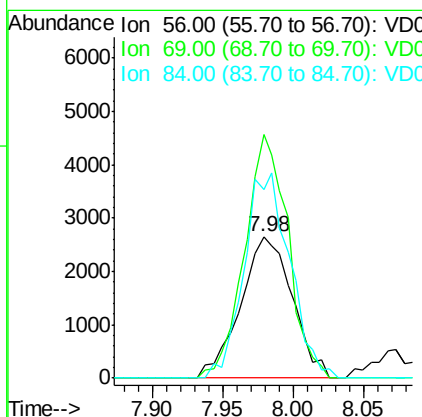
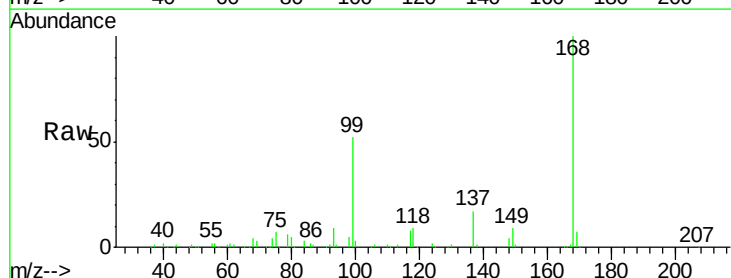
Instrument :
MSVOA_D
ClientSampleId :

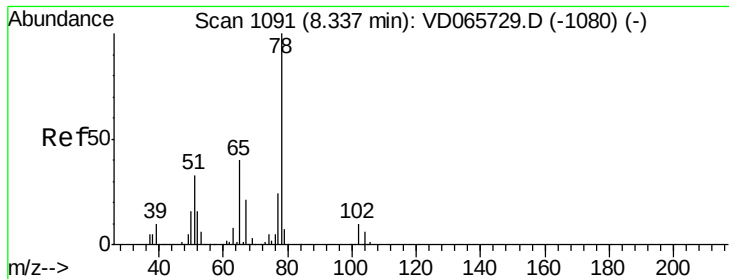
Tot Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
72 36.0 22.3 33.5#



#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Tgt Ion: 56 Resp: 6773
Ion Ratio Lower Upper
56 100
69 171.7 25.9 38.9#
84 133.3 69.1 103.7#

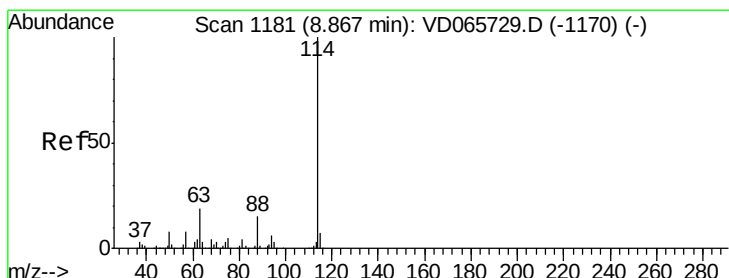
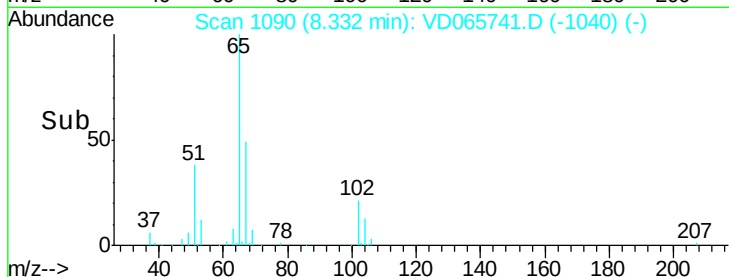
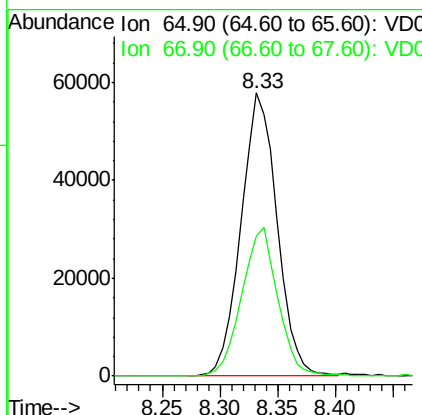
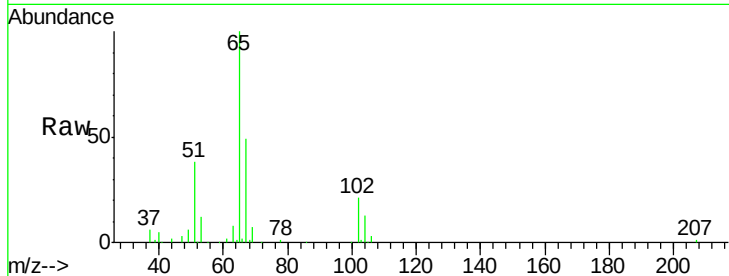




#33
 1,2-Dichloroethane-d4
 Concen: 52.340 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065741.D
 Acq: 14 May 2020 14:28

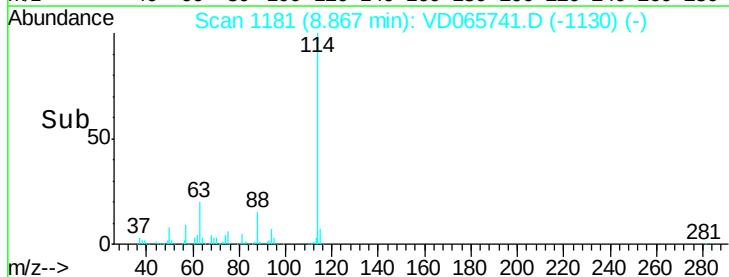
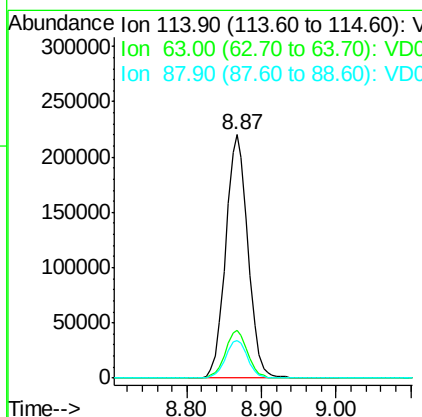
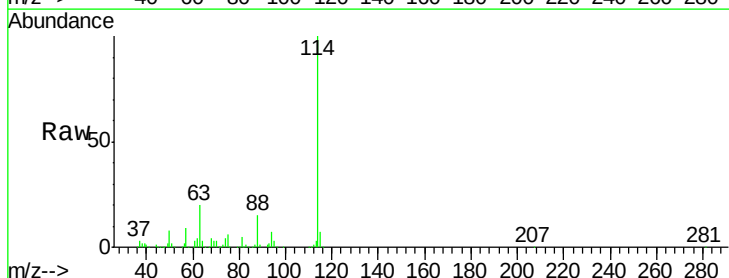
Instrument :
 MSVOA_D
 ClientSampleId :

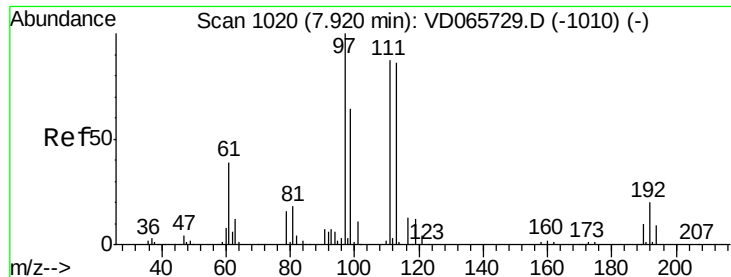
Tot Ion: 65 Resp: 125878
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065741.D
 Acq: 14 May 2020 14:28

Tgt Ion: 114 Resp: 456152
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 37.2
 88 15.3 0.0 30.2

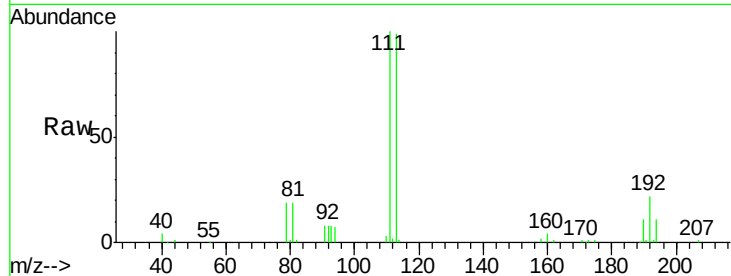




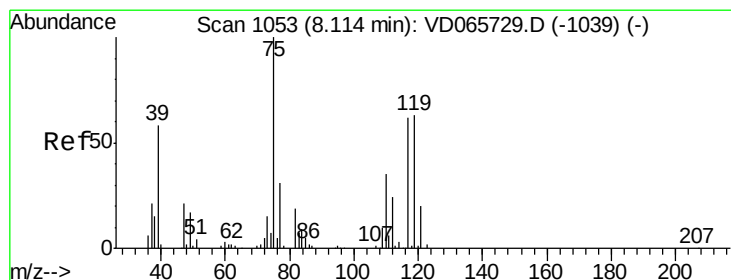
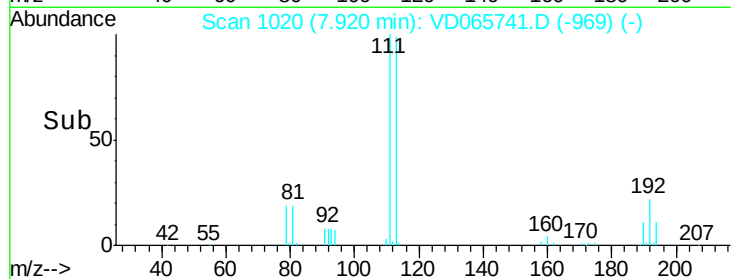
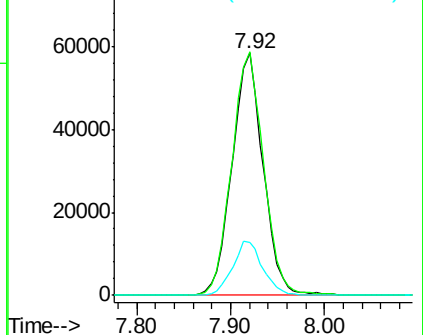
#35
Dibromofluoromethane
Concen: 51.878 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 134064
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 21.8 17.6 26.4

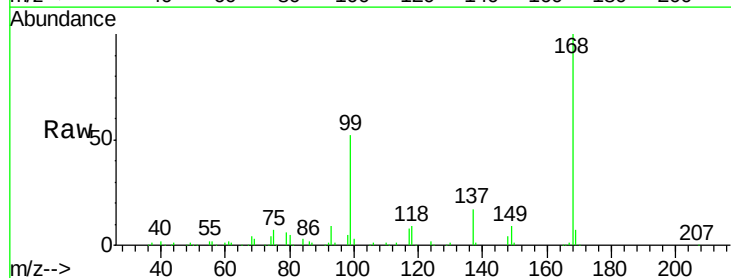


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

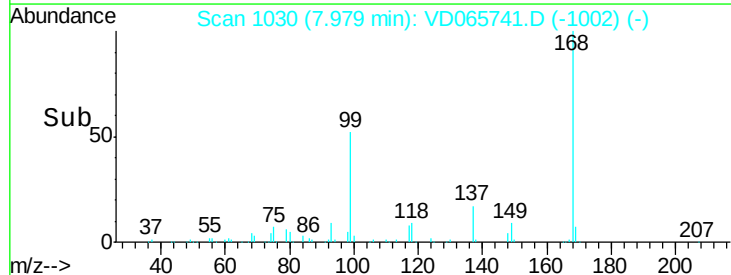
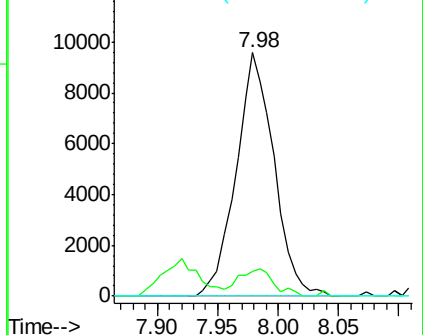


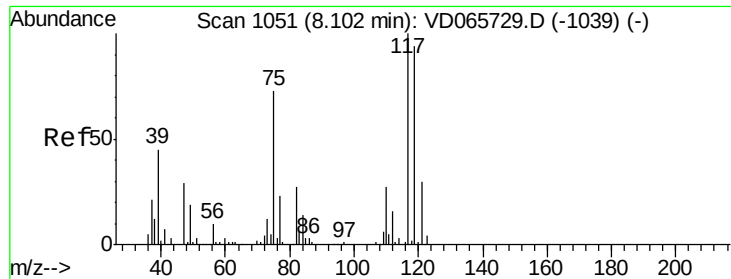
#36
1,1-Dichloropropene
Concen: 5.258 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.13 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Tgt Ion: 75 Resp: 20827
Ion Ratio Lower Upper
75 100
110 10.5 18.4 55.2#
77 0.0 24.6 37.0#



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

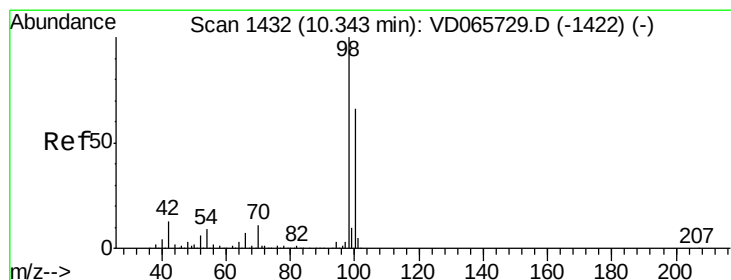
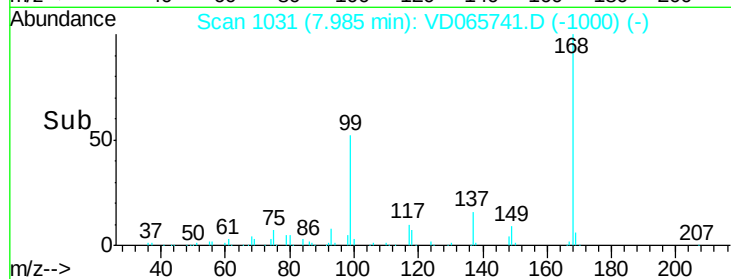
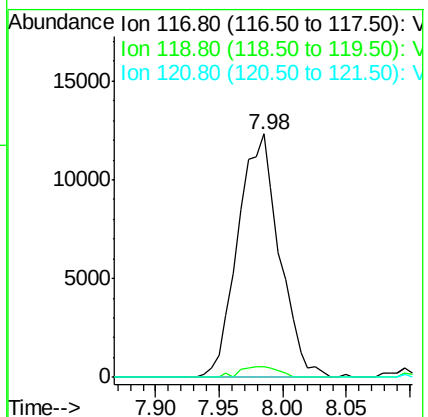
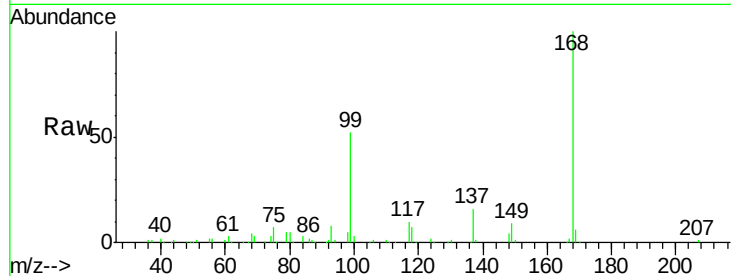




#38
Carbon Tetrachloride
Concen: 6.676 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

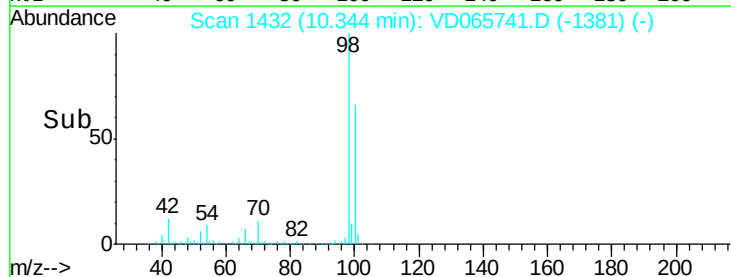
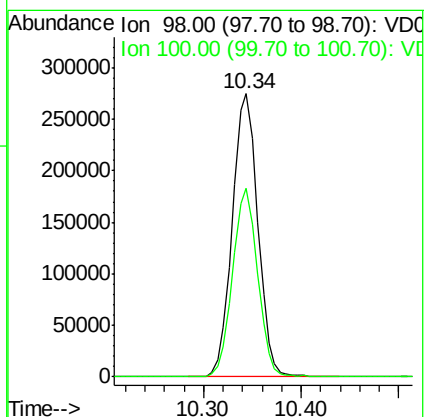
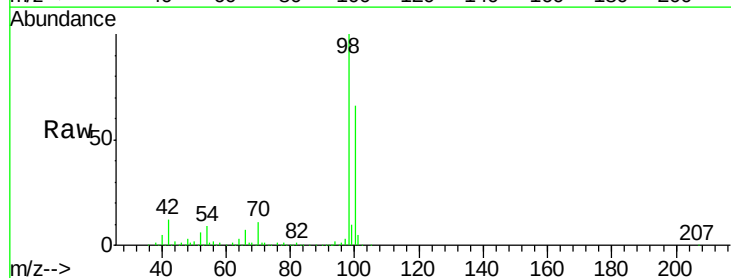
Instrument :
MSVOA_D
ClientSampleId :

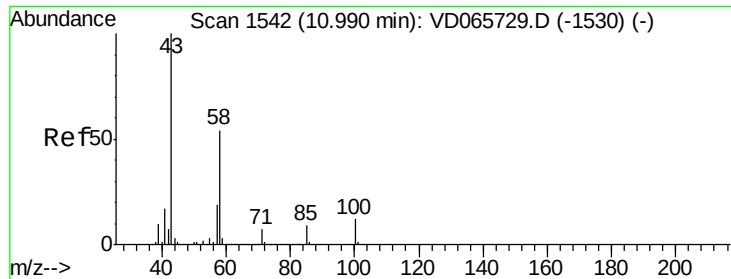
Tot Ion:117 Resp: 28052
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.850 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Tgt Ion: 98 Resp: 500286
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7





#59

2-Hexanone

Concen: 2.226 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.03 min

Lab File: VD065741.D

Acq: 14 May 2020 14:28

Instrument :

MSVOA_D

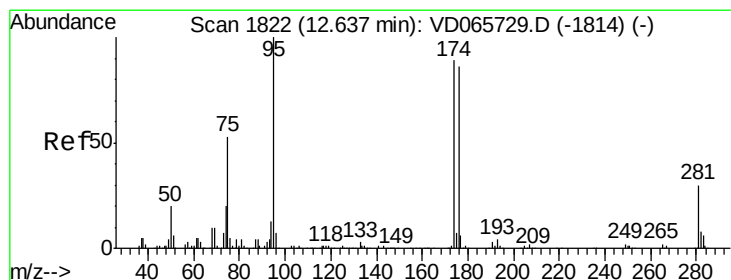
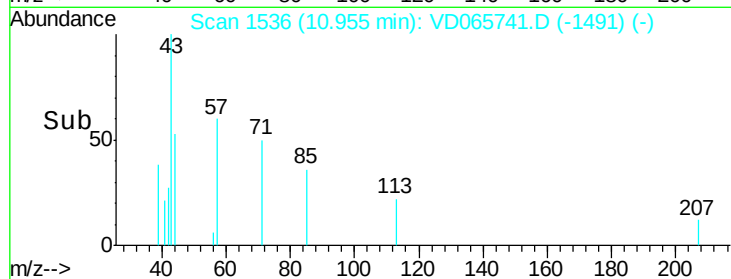
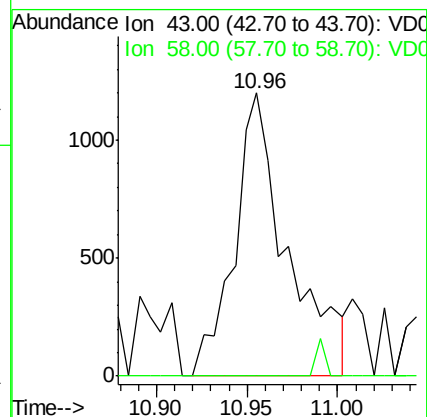
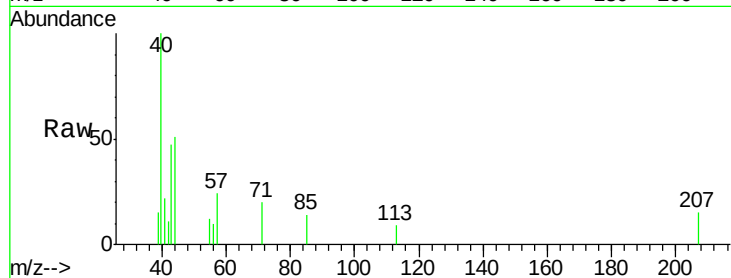
ClientSampled :

Tot Ion: 43 Resp: 2440

Ion Ratio Lower Upper

43 100

58 0.0 26.7 80.1#



#62

4-Bromofluorobenzene

Concen: 51.441 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065741.D

Acq: 14 May 2020 14:28

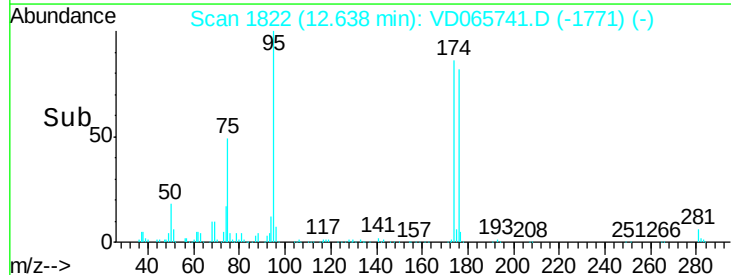
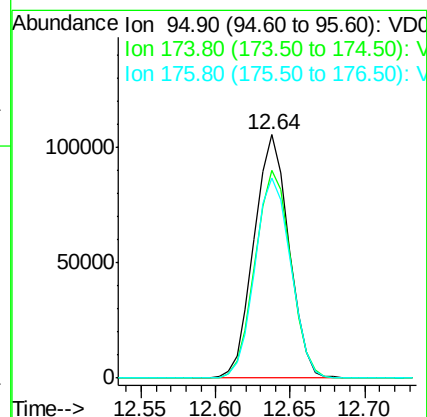
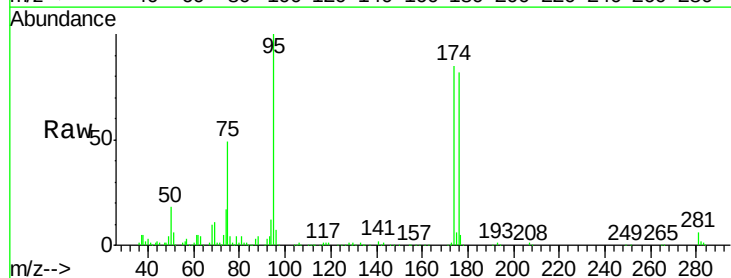
Tgt Ion: 95 Resp: 171396

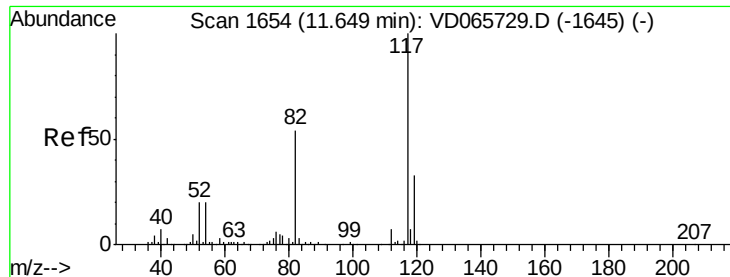
Ion Ratio Lower Upper

95 100

174 86.7 0.0 179.4

176 84.2 0.0 174.0

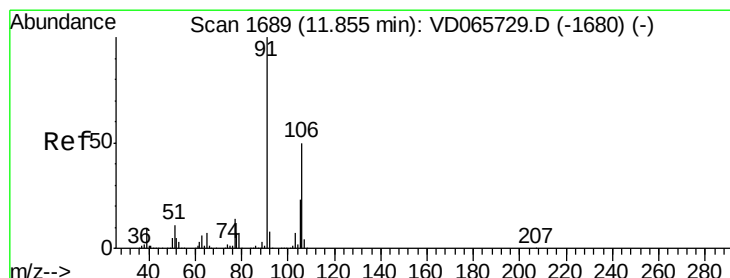
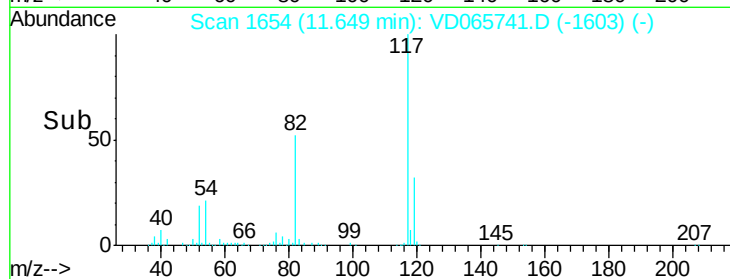
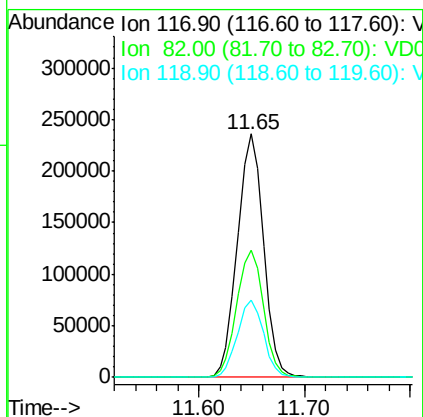
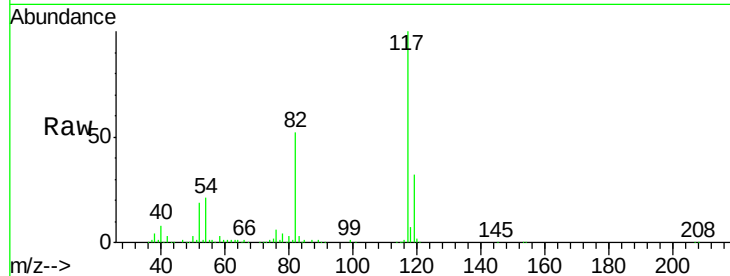




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

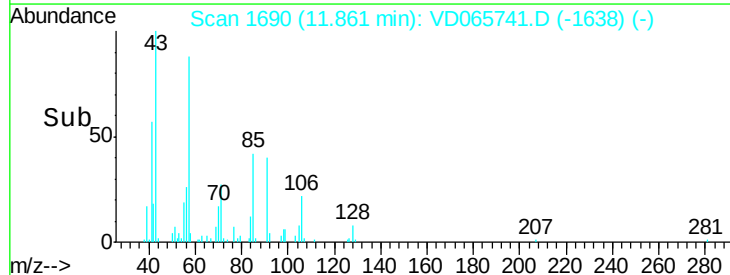
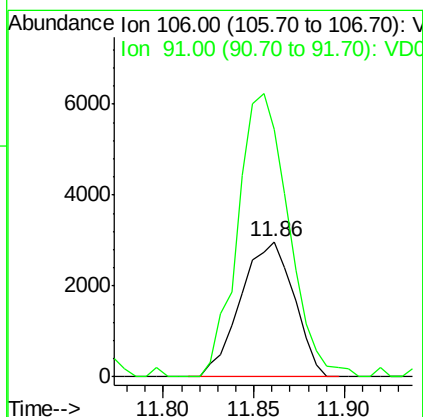
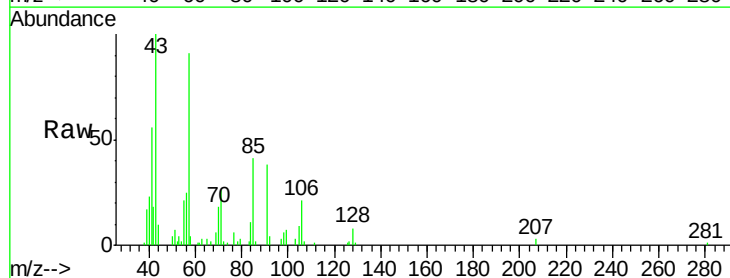
Instrument :
MSVOA_D
ClientSampleId :

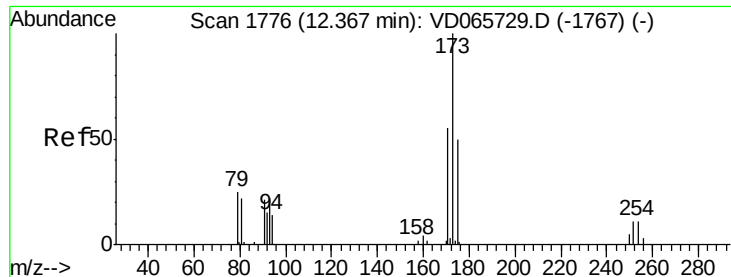
Tot Ion:117 Resp: 403469
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.6
119 31.6 26.6 40.0



#68
m/p-Xylenes
Concen: 1.175 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Tgt Ion:106 Resp: 6084
Ion Ratio Lower Upper
106 100
91 199.8 158.7 238.1





#71

Bromoform

Concen: 1.062 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065741.D

Acq: 14 May 2020 14:28

Instrument :

MSVOA_D

ClientSampleId :

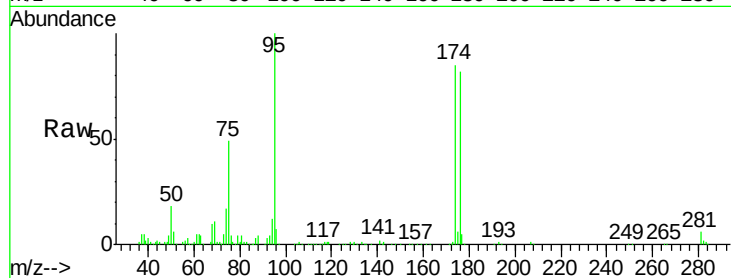
Tot Ion:173 Resp: 1669

Ion Ratio Lower Upper

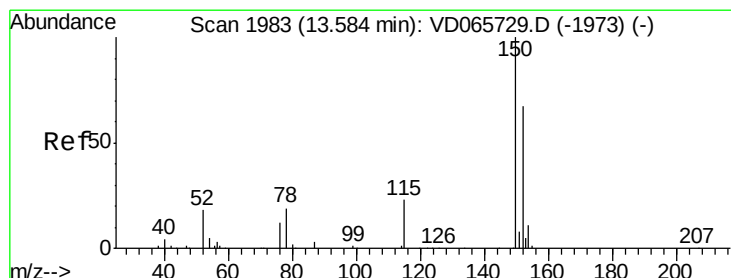
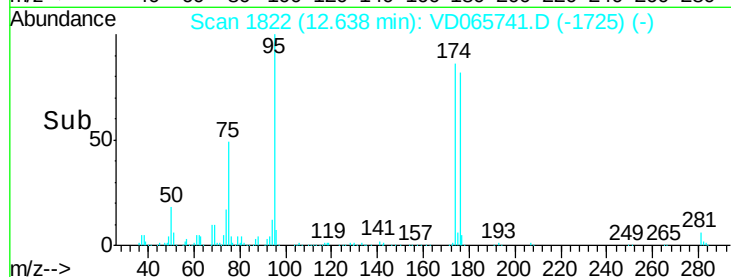
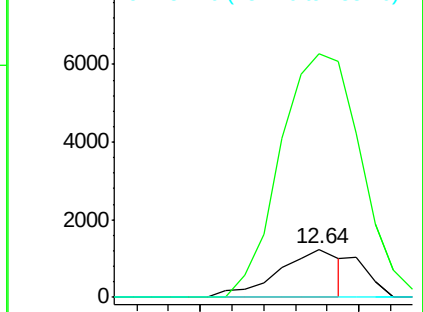
173 100

175 515.7 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: VD065741.D

Acq: 14 May 2020 14:28

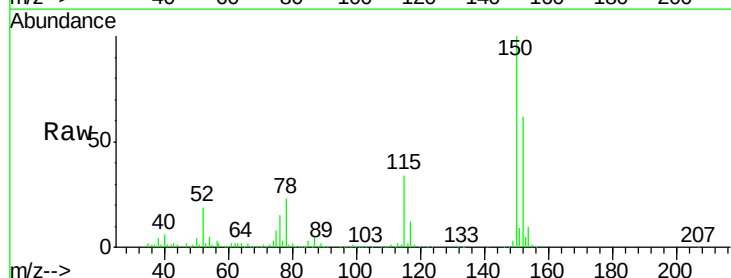
Tgt Ion:152 Resp: 193459

Ion Ratio Lower Upper

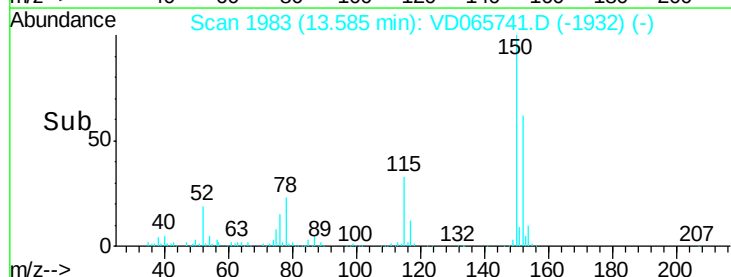
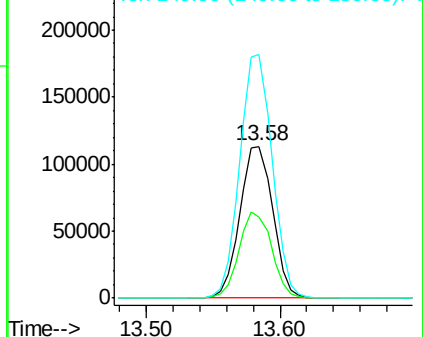
152 100

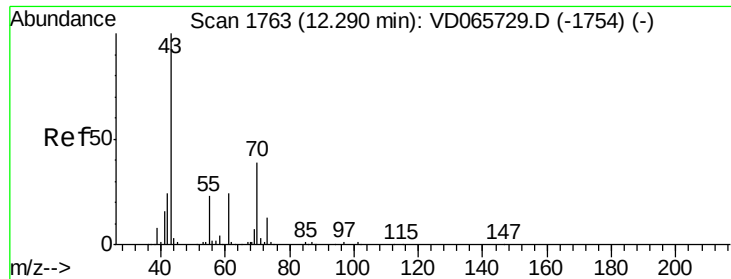
115 56.3 28.1 84.3

150 158.2 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





#74

N-amvl acetate

Concen: 1.800 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD065741.D

Acq: 14 May 2020 14:28

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 5429

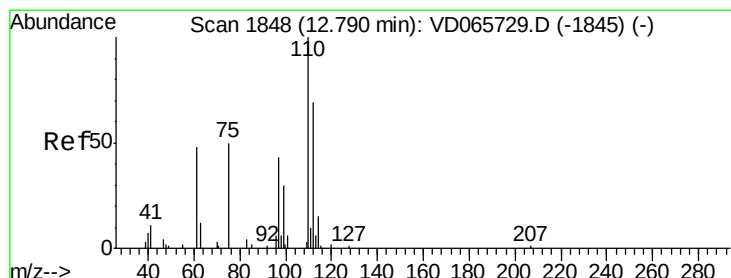
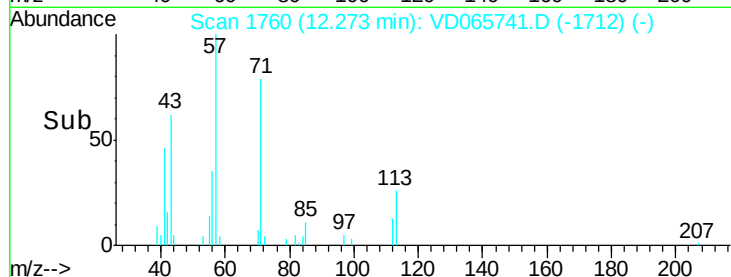
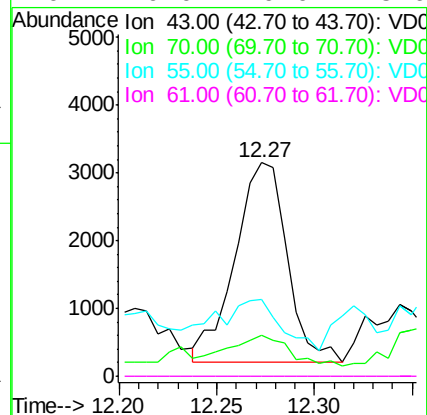
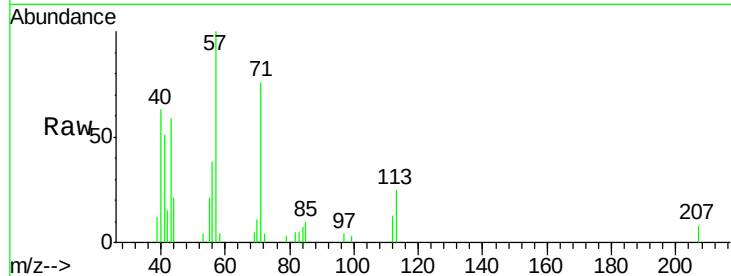
Ion Ratio Lower Upper

43 100

70 17.2 31.8 47.6#

55 21.3 17.9 26.9

61 0.0 19.0 28.6#



#76

1,2,3-Trichloropropane

Concen: 58.311 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065741.D

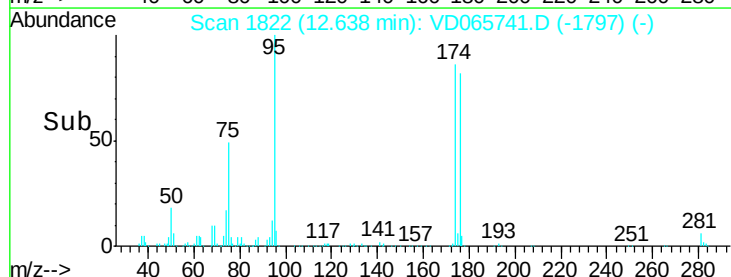
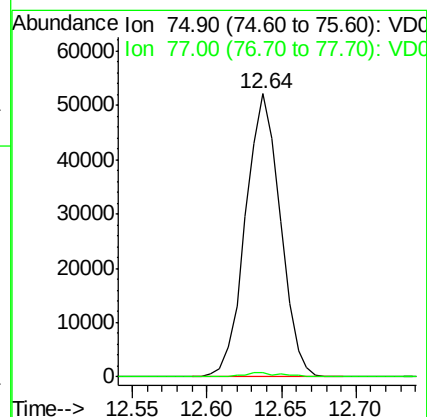
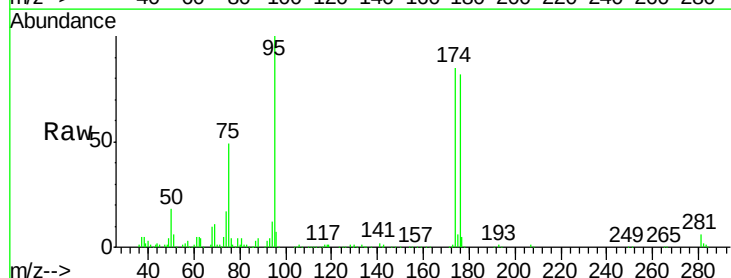
Acq: 14 May 2020 14:28

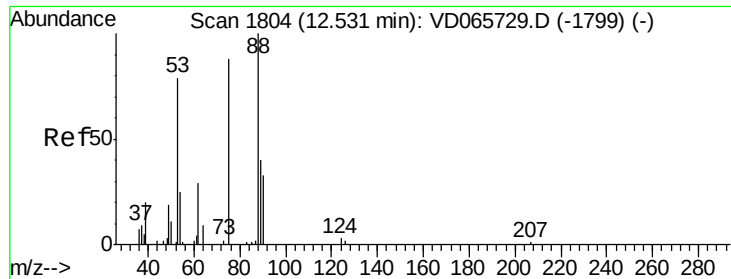
Tgt Ion: 75 Resp: 84190

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

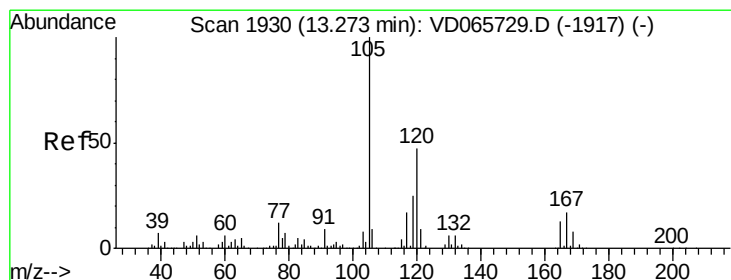
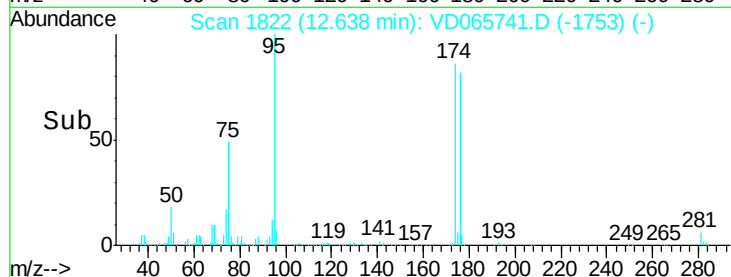
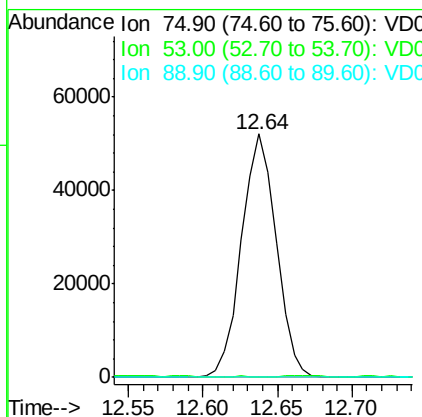
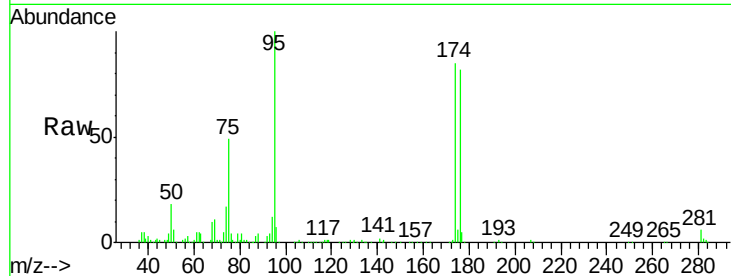




#81
trans-1,4-Dichloro-2-butene
Concen: 114.398 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 84190
Ion Ratio Lower Upper
75 100
53 0.1 72.6 109.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.743 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065741.D
Acq: 14 May 2020 14:28

Tgt Ion: 105 Resp: 18400
Ion Ratio Lower Upper
105 100
120 47.7 23.6 70.8

