

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051420\
 Data File : VD065743.D
 Acq On : 14 May 2020 15:22
 Operator : VA/SY
 Sample : L2644-08
 Misc : 7.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 15 06:17:59 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	7.99	168	272871	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	410837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	357153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	160840	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	123954	56.37	ug/l	0.00
Spiked Amount			Recovery	=	112.74%	
35) Dibromofluoromethane	7.92	113	129495	55.64	ug/l	0.00
Spiked Amount			Recovery	=	111.28%	
50) Toluene-d8	10.34	98	471961	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.64	95	153304	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	

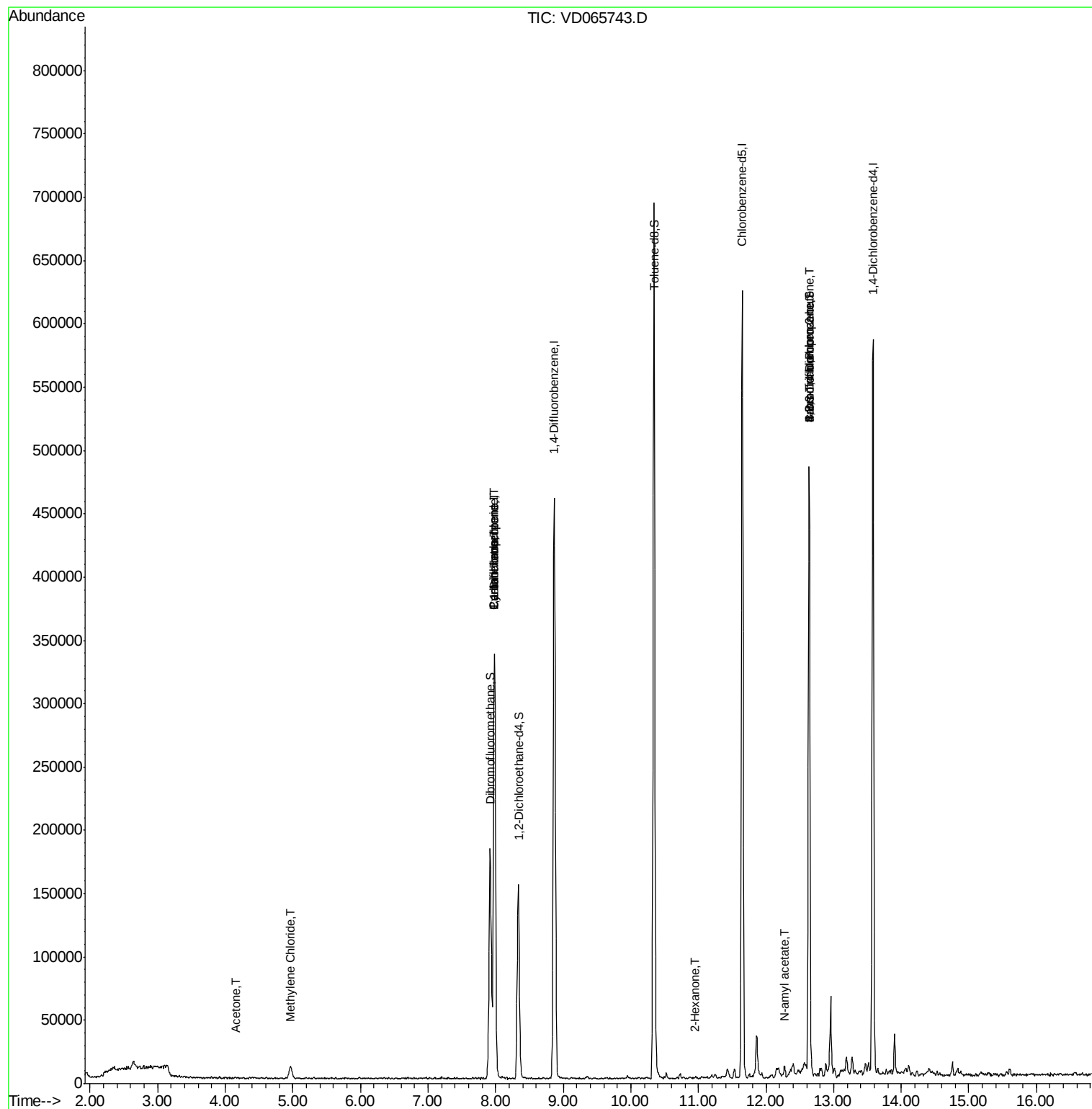
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	1354	3.002	ug/l #	45
18) Methyl Acetate	4.71	43	85	Below Cal	#	52
20) Methylene Chloride	4.96	84	7017	2.758	ug/l #	88
31) Cyclohexane	7.99	56	5670	1.298	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	18181	5.096	ug/l #	49
38) Carbon Tetrachloride	7.98	117	24887	6.576	ug/l #	16
59) 2-Hexanone	10.96	43	1206	1.222	ug/l #	25
71) Bromoform	12.64	173	1423	1.023	ug/l #	1
74) N-amyl acetate	12.28	43	3076	1.227	ug/l #	59
76) 1,2,3-Trichloropropane	12.64	75	79075	65.876	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	79075	129.239	ug/l #	13

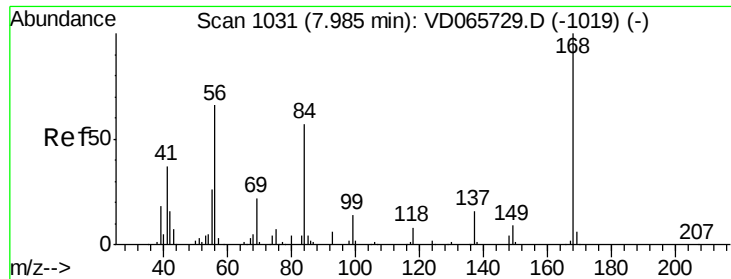
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065743.D

Acq: 14 May 2020 15:22

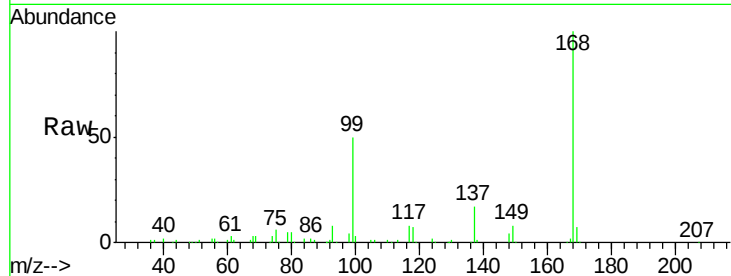
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 272871

Ion Ratio Lower Upper

168 100

99 49.6 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

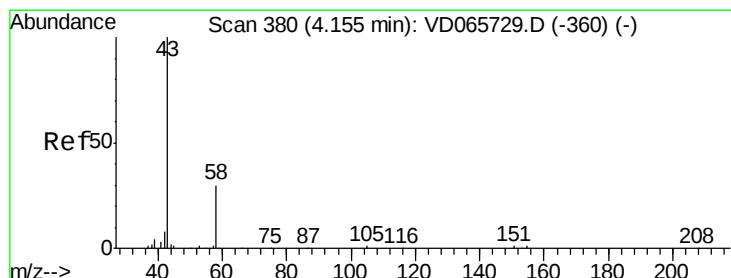
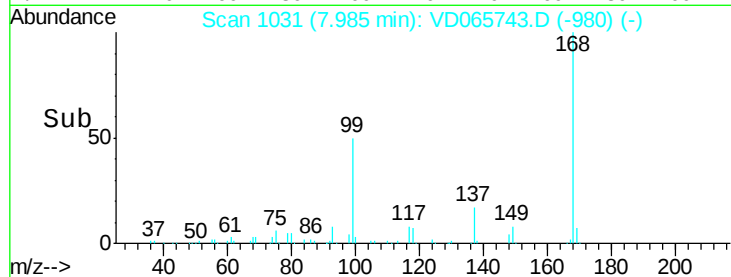
7.99

100000

50000

0

Time-->



#16

Acetone

Concen: 3.002 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065743.D

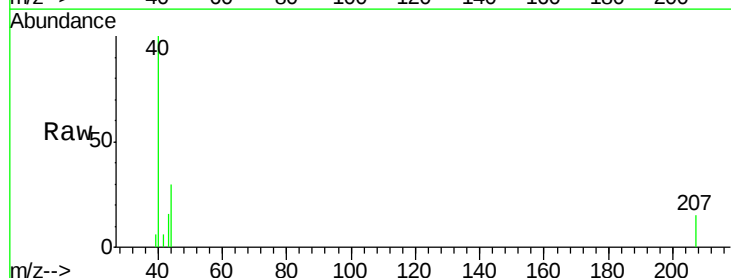
Acq: 14 May 2020 15:22

Tgt Ion: 43 Resp: 1354

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

4.16

500

400

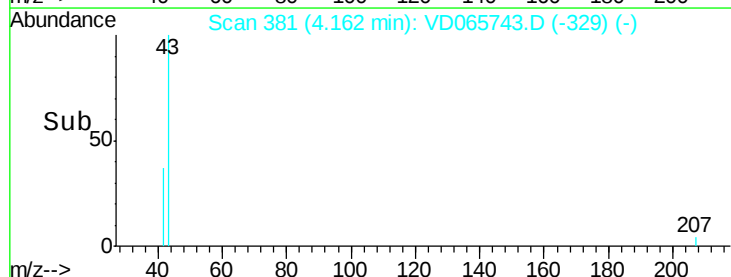
300

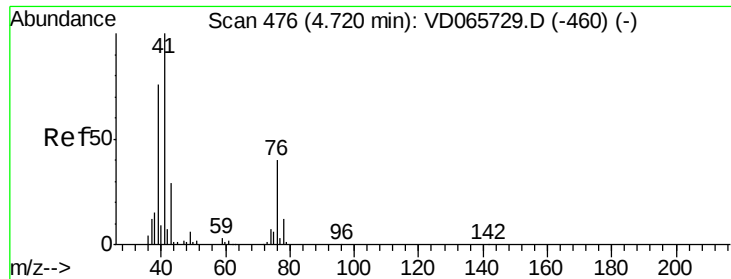
200

100

0

Time-->

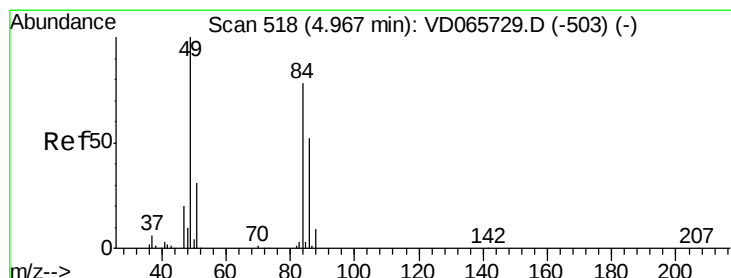
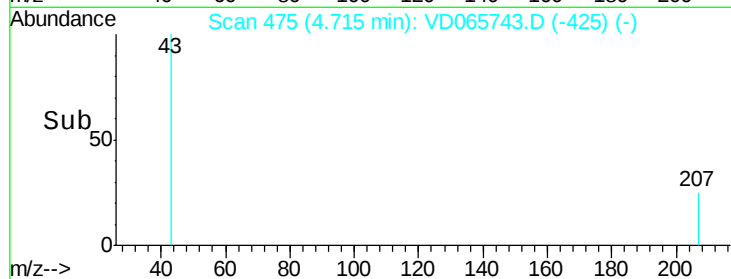
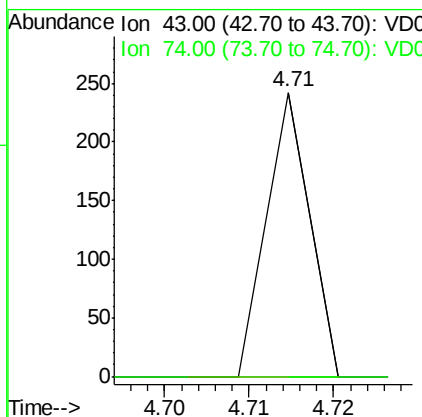
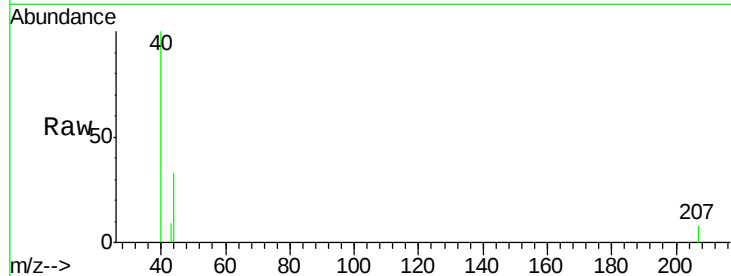




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

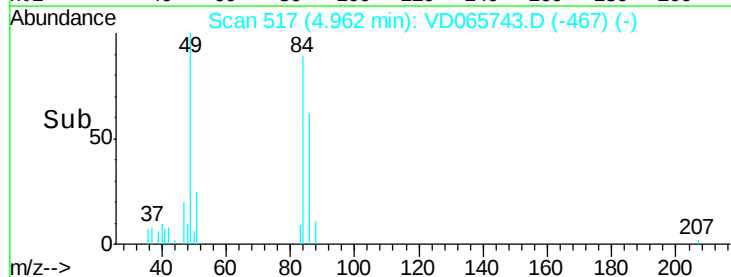
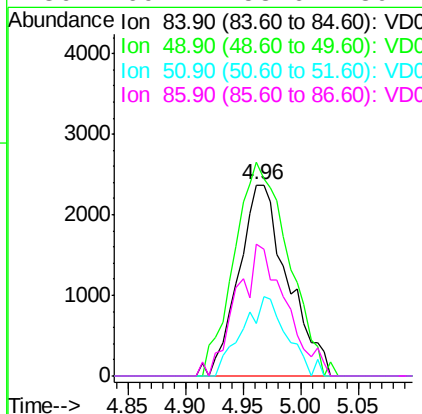
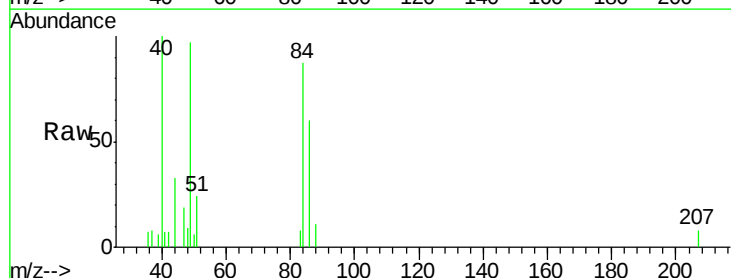
Instrument :
MSVOA_D
ClientSampleId :

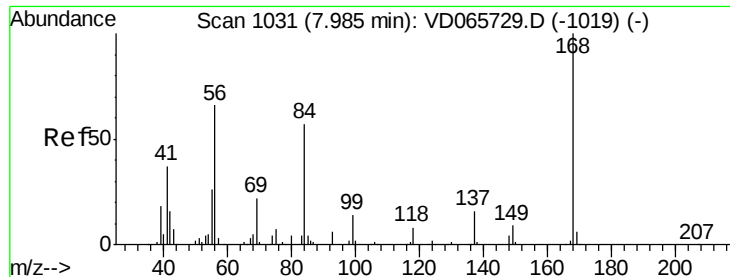
Tot Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: 2.758 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

Tgt Ion: 84 Resp: 7017
Ion Ratio Lower Upper
84 100
49 112.0 102.9 154.3
51 27.7 31.5 47.3#
86 69.1 53.6 80.4

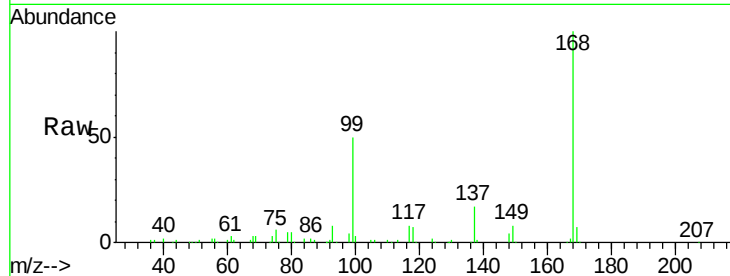




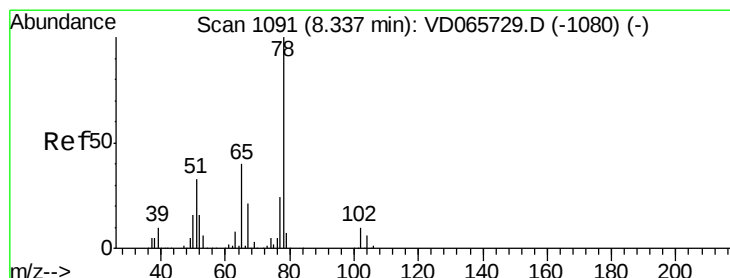
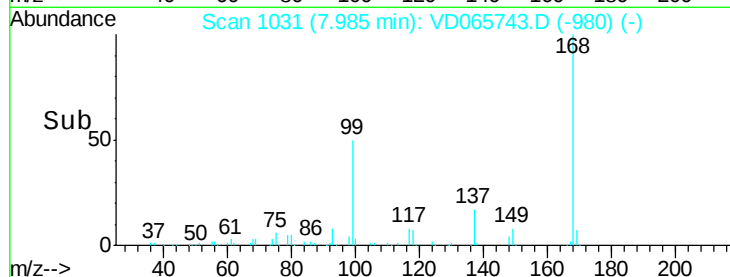
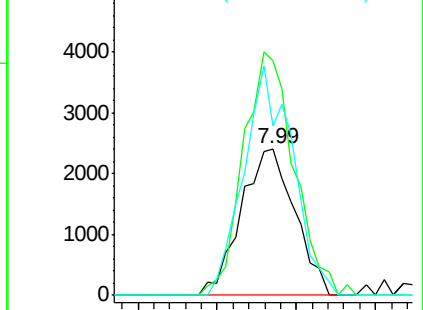
#31
Cyclohexane
Concen: 1.298 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 5670
Ion Ratio Lower Upper
56 100
69 160.4 25.9 38.9#
84 115.2 69.1 103.7#

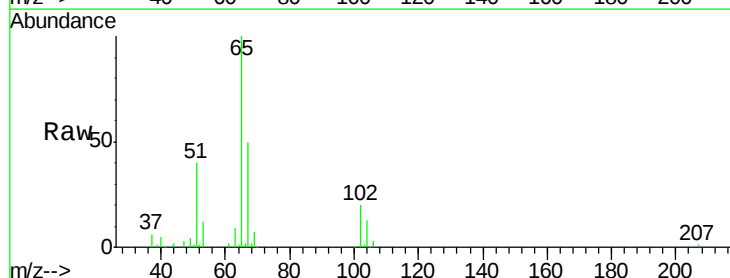


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

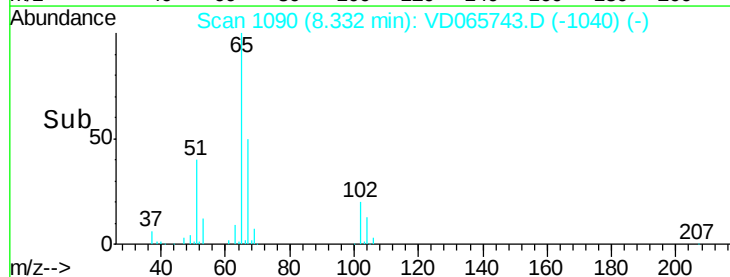
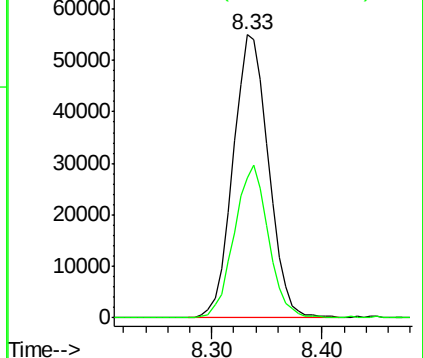


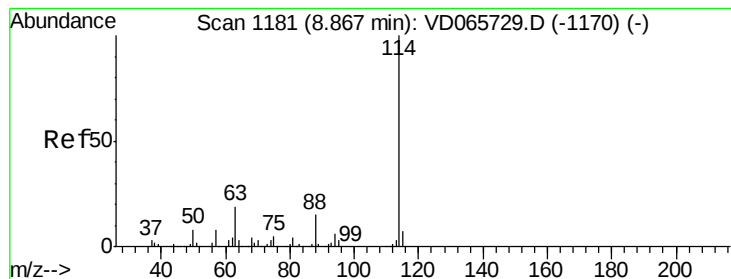
#33
1,2-Dichloroethane-d4
Concen: 56.370 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

Tgt Ion: 65 Resp: 123954
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.2



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: VD065743.D

Acq: 14 May 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

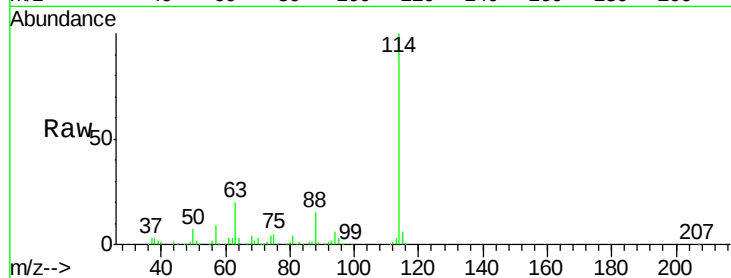
Tot Ion:114 Resp: 410837

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.2

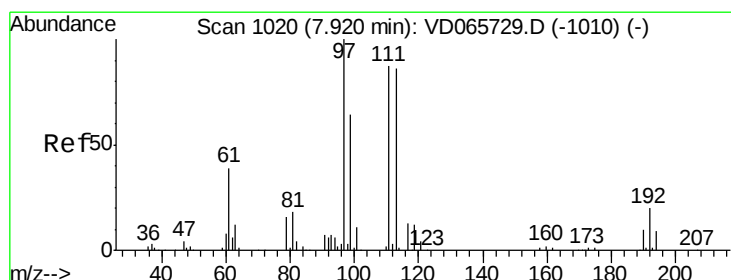
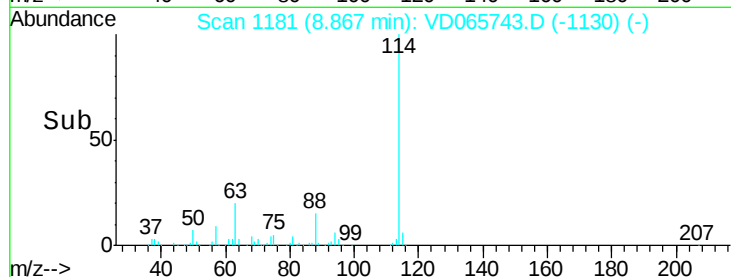
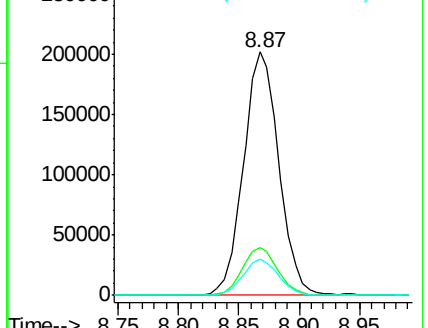
88 14.7 0.0 30.2



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: 55.637 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065743.D

Acq: 14 May 2020 15:22

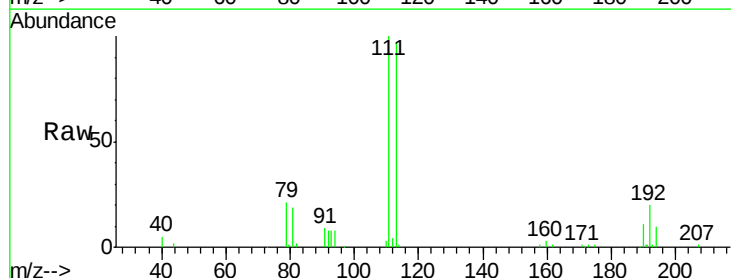
Tgt Ion:113 Resp: 129495

Ion Ratio Lower Upper

113 100

111 100.8 81.1 121.7

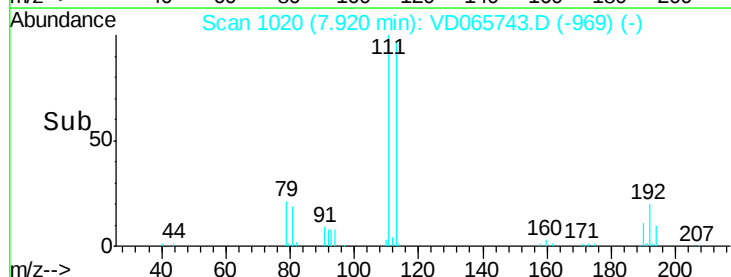
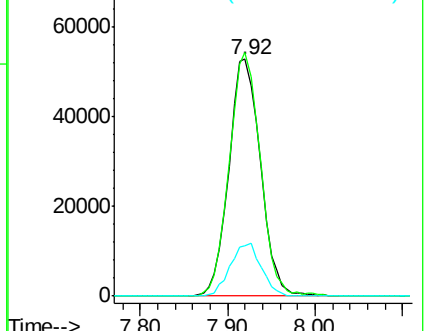
192 21.8 17.6 26.4

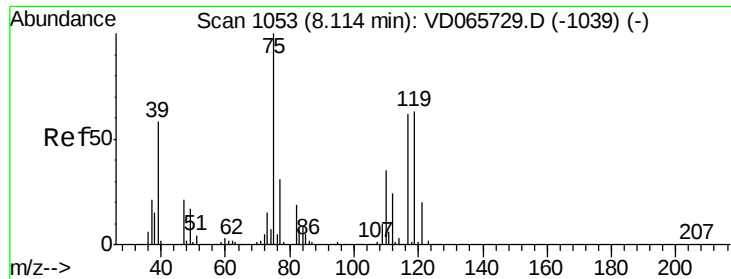


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

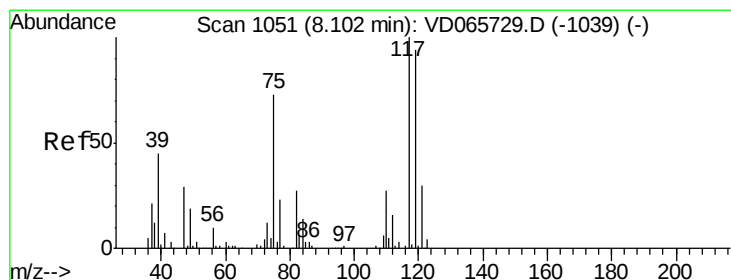
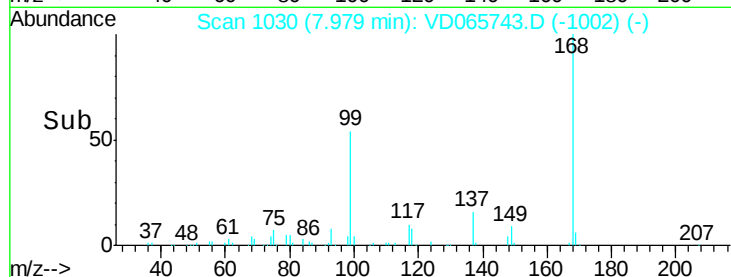
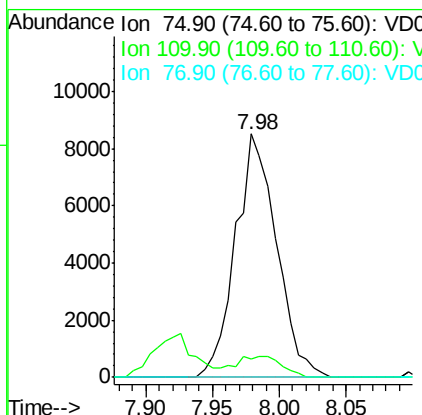
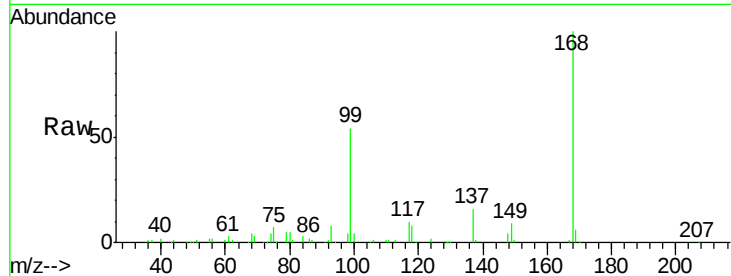




#36
 1,1-Dichloropropene
 Concen: 5.096 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD065743.D
 Acq: 14 May 2020 15:22

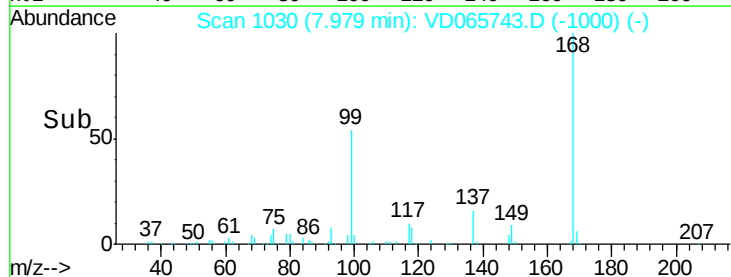
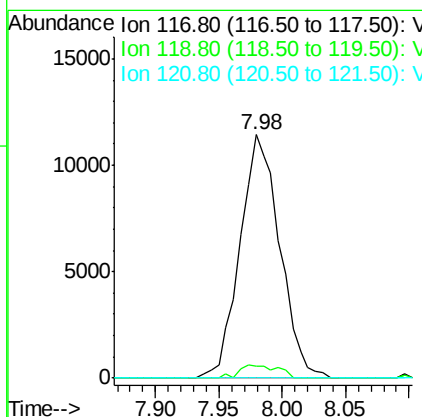
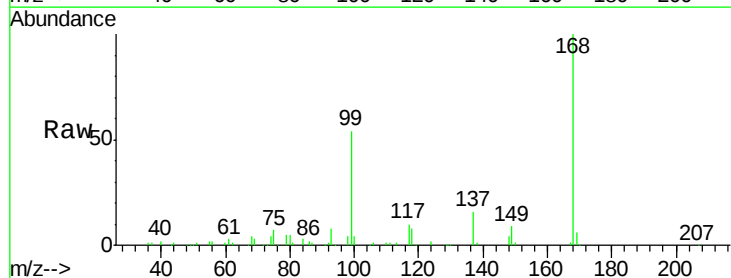
Instrument :
 MSVOA_D
 ClientSampled :

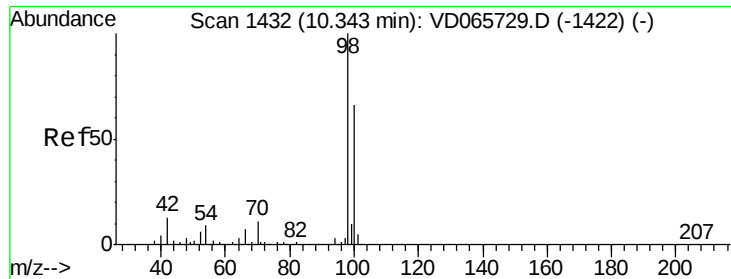
Tot Ion	75	Resp	18181
Ion Ratio	Lower	Upper	
75	100		
110	9.6	18.4	55.2#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.576 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065743.D
 Acq: 14 May 2020 15:22

Tgt Ion	117	Resp	24887
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.8	75.6	113.4#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 53.262 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065743.D

Acq: 14 May 2020 15:22

Instrument :

MSVOA_D

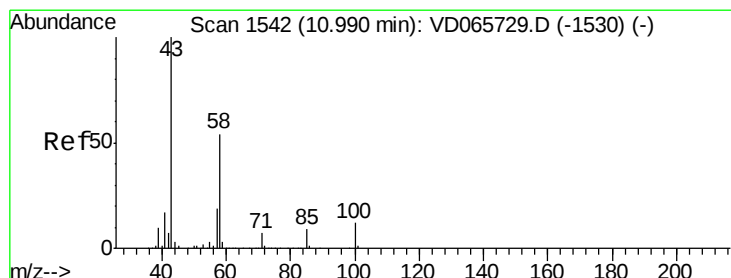
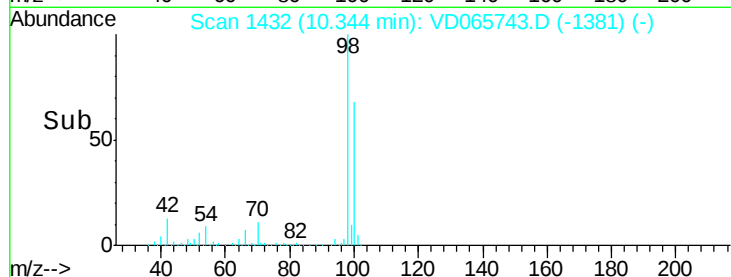
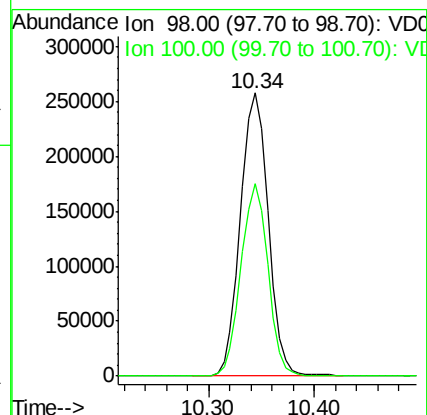
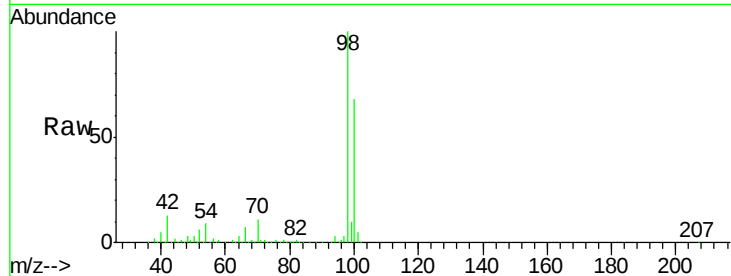
ClientSampled :

Tot Ion: 98 Resp: 471961

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7



#59

2-Hexanone

Concen: 1.222 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. -0.03 min

Lab File: VD065743.D

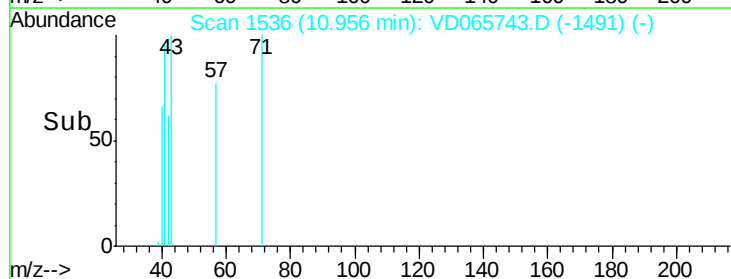
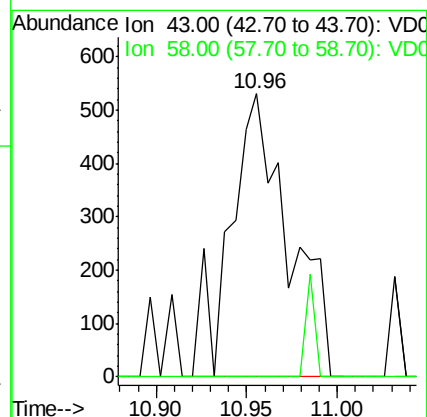
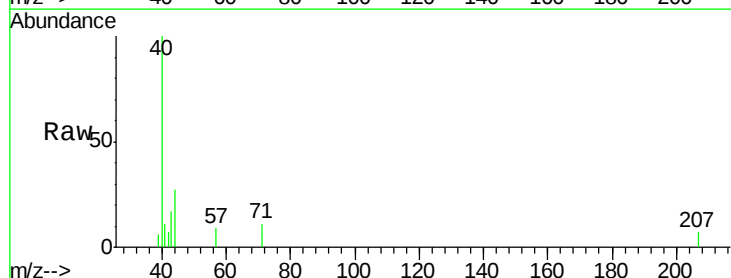
Acq: 14 May 2020 15:22

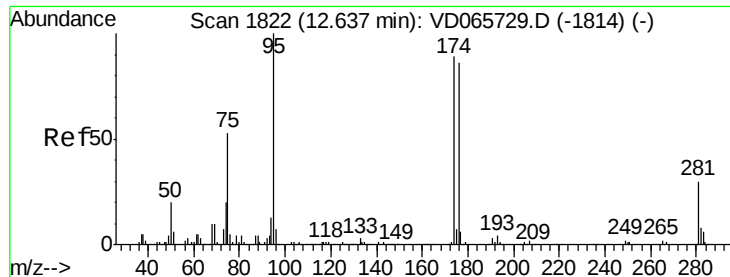
Tgt Ion: 43 Resp: 1206

Ion Ratio Lower Upper

43 100

58 0.0 26.7 80.1#

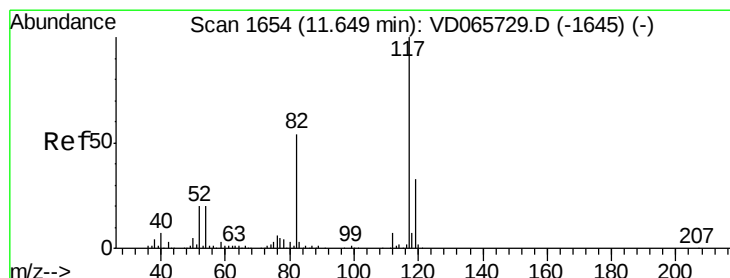
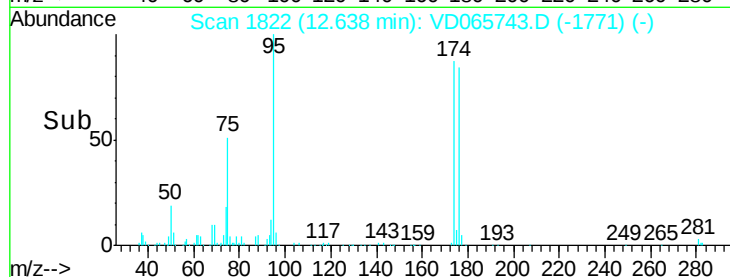
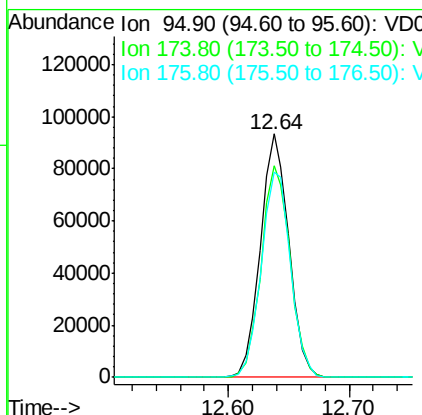
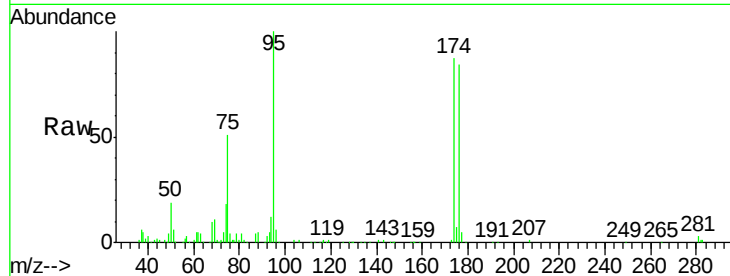




#62
4-Bromofluorobenzene
Concen: 51.086 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

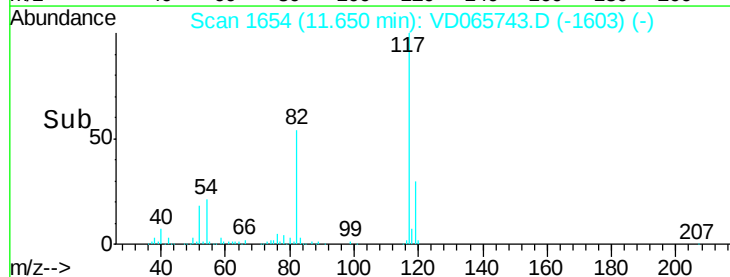
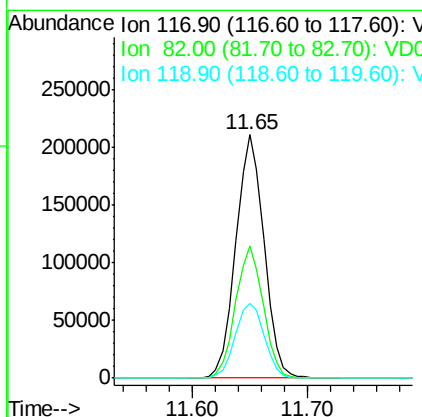
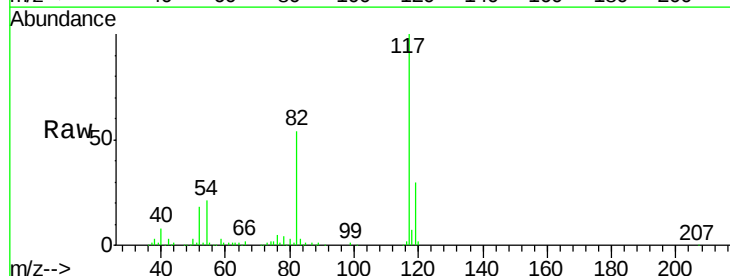
Instrument :
MSVOA_D
ClientSampleId :

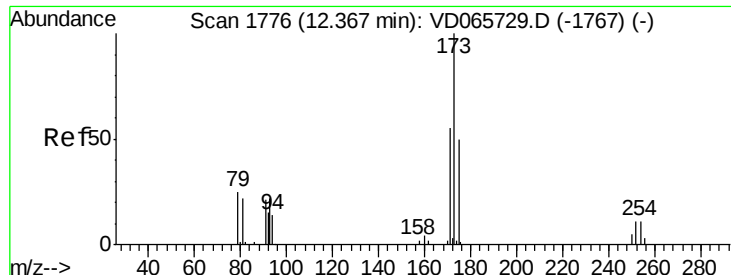
Tot Ion: 95 Resp: 153304
Ion Ratio Lower Upper
95 100
174 88.2 0.0 179.4
176 86.7 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

Tgt Ion: 117 Resp: 357153
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.6
119 30.5 26.6 40.0

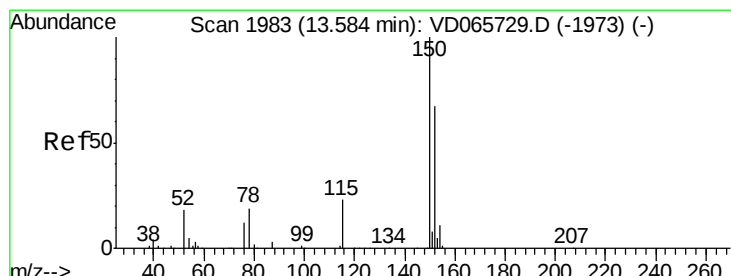
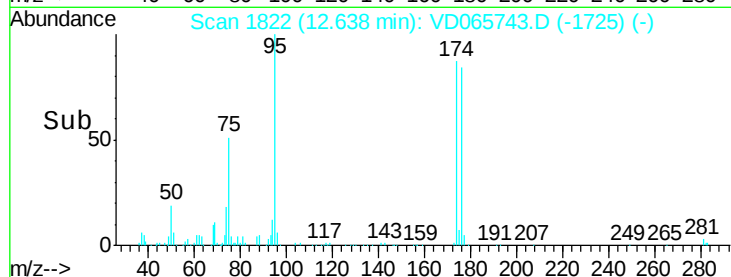
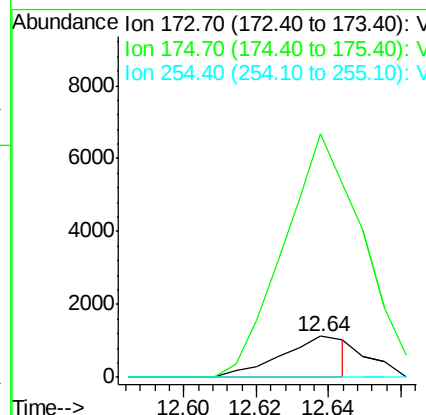
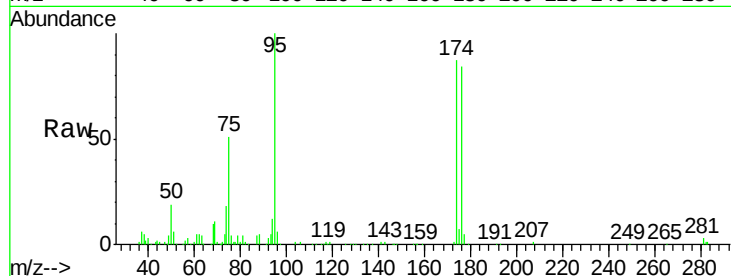




#71
Bromoform
Concen: 1.023 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

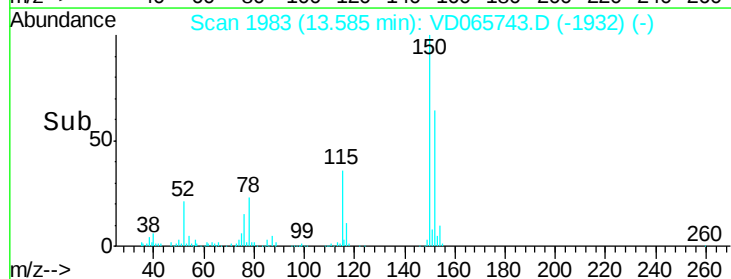
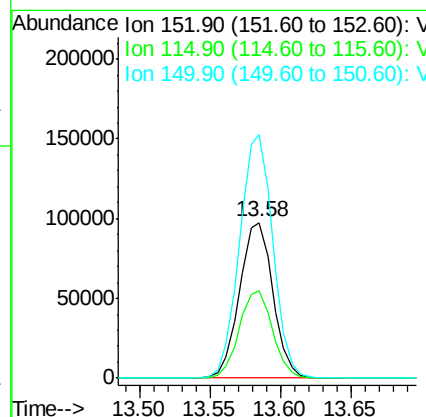
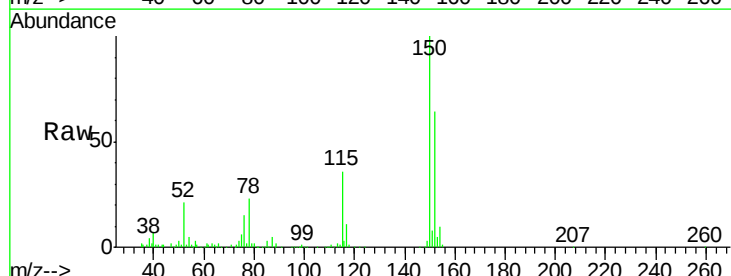
Instrument :
MSVOA_D
ClientSampleId :

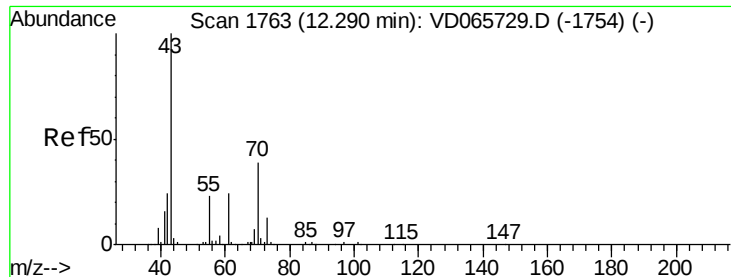
Tot Ion:173 Resp: 1423
Ion Ratio Lower Upper
173 100
175 546.3 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065743.D
Acq: 14 May 2020 15:22

Tgt Ion:152 Resp: 160840
Ion Ratio Lower Upper
152 100
115 56.5 28.1 84.3
150 156.3 0.0 343.2





#74

N-amvl acetate

Concen: 1.227 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VD065743.D

Acq: 14 May 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 3076

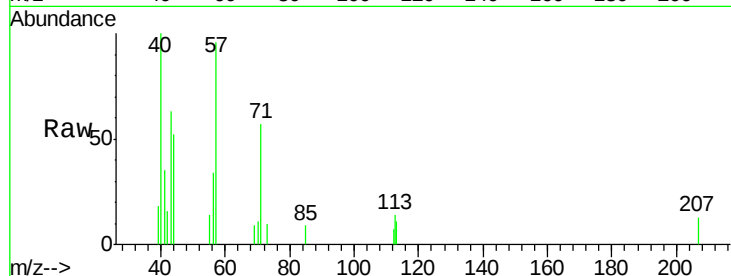
Ion Ratio Lower Upper

43 100

70 9.3 31.8 47.6#

55 13.7 17.9 26.9#

61 0.0 19.0 28.6#

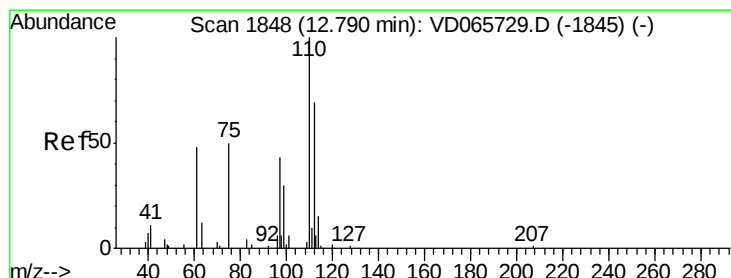
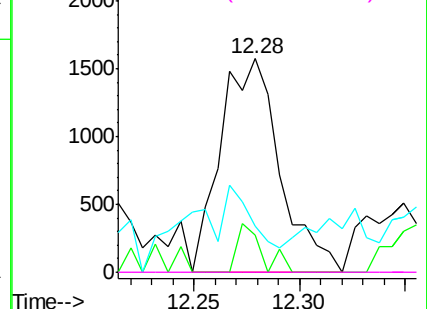
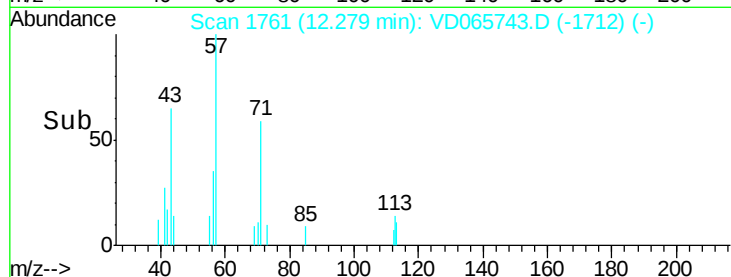


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 65.876 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065743.D

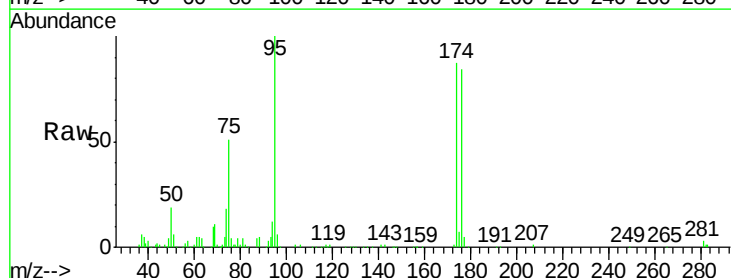
Acq: 14 May 2020 15:22

Tgt Ion: 75 Resp: 79075

Ion Ratio Lower Upper

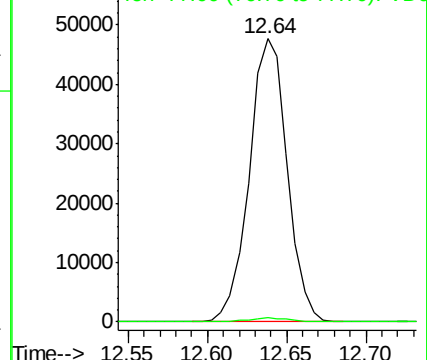
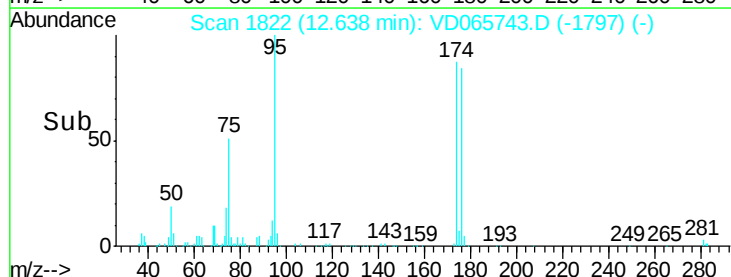
75 100

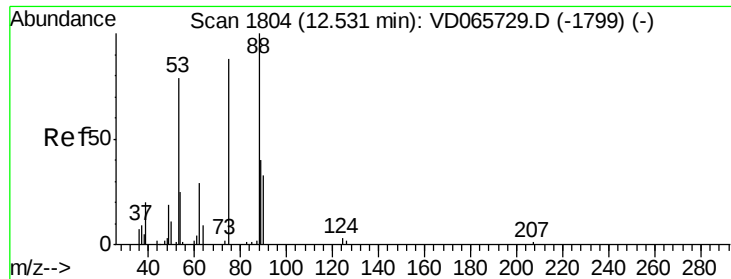
77 1.4 0.0 0.0#



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: 129.239 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065743.D

Acq: 14 May 2020 15:22

Instrument :

MSVOA_D

ClientSampleId :

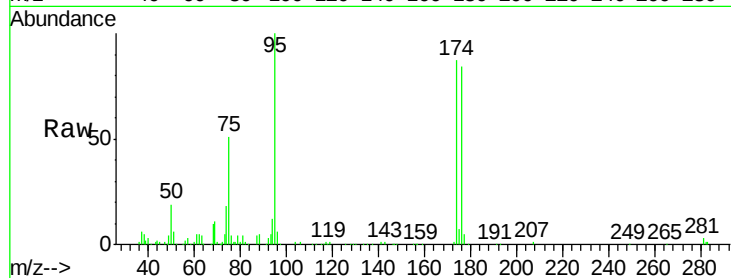
Tot Ion: 75 Resp: 79075

Ion Ratio Lower Upper

75 100

53 0.0 72.6 109.0#

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

