

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052620\
 Data File : VD065756.D
 Acq On : 26 May 2020 12:26
 Operator : VA/SY
 Sample : VD0526SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 27 02:56:27 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	324064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	491698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	458658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219298	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	154322	59.09	ug/l	0.00
Spiked Amount			Recovery	=	118.18%	
35) Dibromofluoromethane	7.92	113	157338	56.48	ug/l	0.00
Spiked Amount			Recovery	=	112.96%	
50) Toluene-d8	10.34	98	589722	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
62) 4-Bromofluorobenzene	12.64	95	210495	58.61	ug/l	0.00
Spiked Amount			Recovery	=	117.22%	

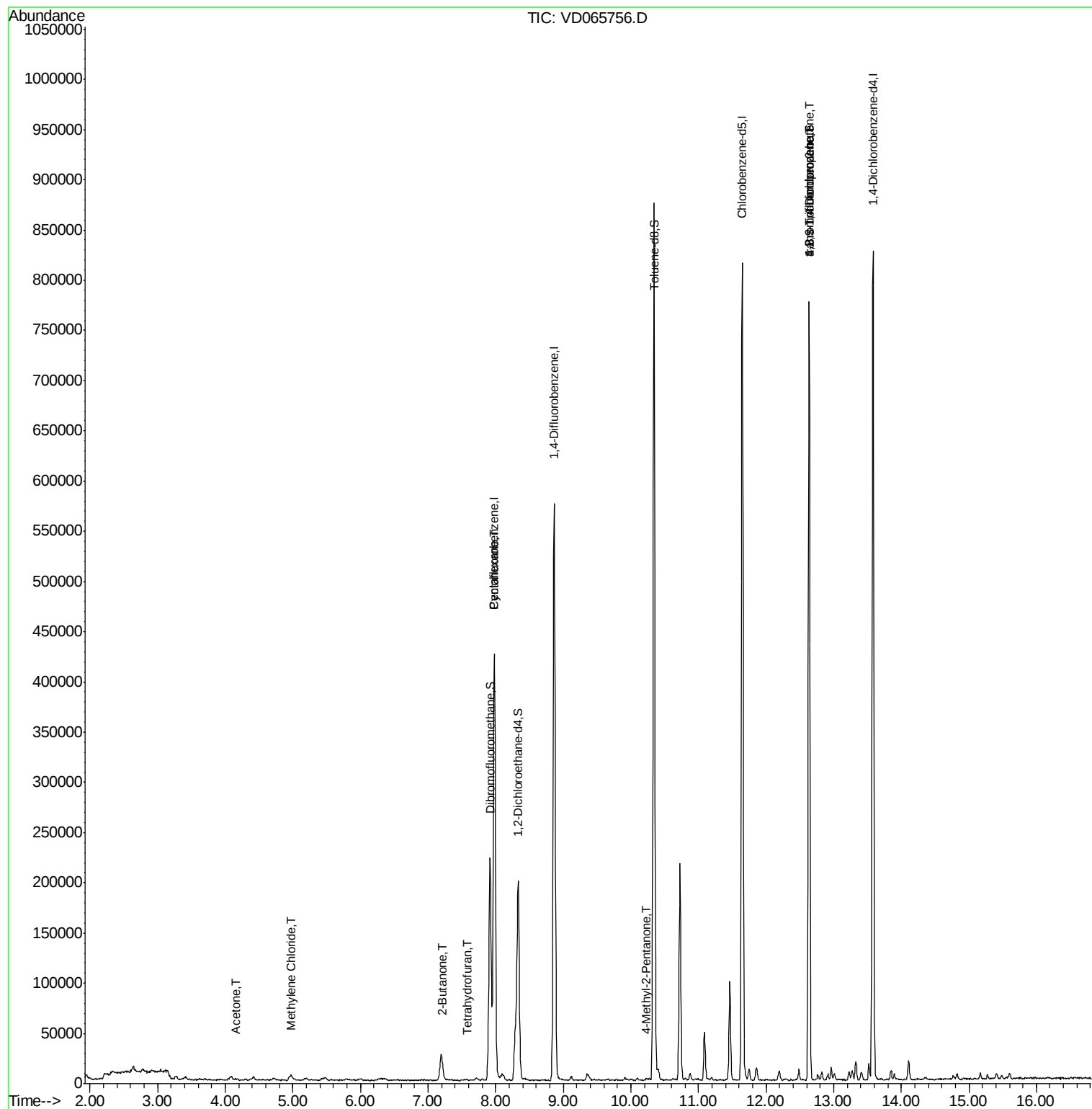
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	594	Below Cal	#	75
13) Acrolein	3.92	56	127	Below Cal	#	13
16) Acetone	4.16	43	2659	4.964	ug/l	98
18) Methyl Acetate	4.71	43	53	Below Cal	#	52
20) Methylene Chloride	4.97	84	3228	1.068	ug/l #	82
25) 2-Butanone	7.21	43	1354	1.768	ug/l #	47
29) Tetrahydrofuran	7.58	42	693	1.427	ug/l #	67
31) Cyclohexane	7.98	56	9106	1.755	ug/l #	19
51) 4-Methyl-2-Pentanone	10.22	43	2179	1.256	ug/l #	80
76) 1,2,3-Trichloropropane	12.64	75	110372	67.438	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110372	132.304	ug/l #	13

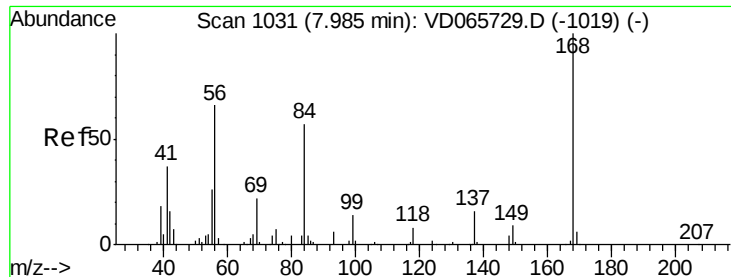
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD052620\
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Quant Time: May 27 02:56:27 2020
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: VD065756.D

Acq: 26 May 2020 12:26

Instrument :

MSVOA_D

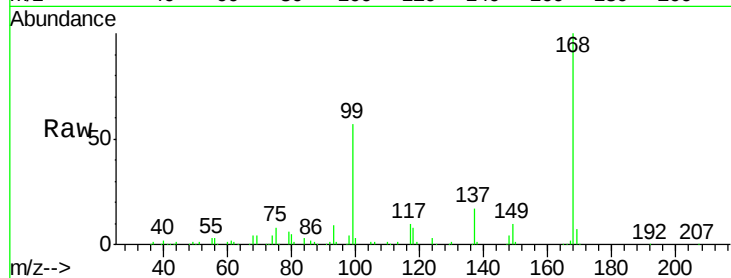
ClientSampleId :

Tot Ion:168 Resp: 324064

Ion Ratio Lower Upper

168 100

99 56.5 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

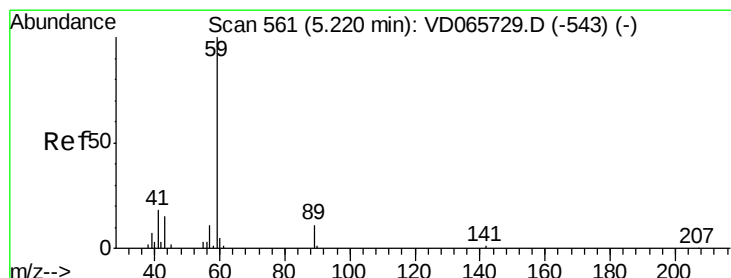
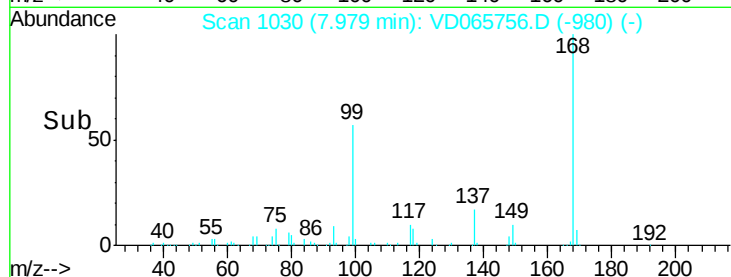
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD065756.D

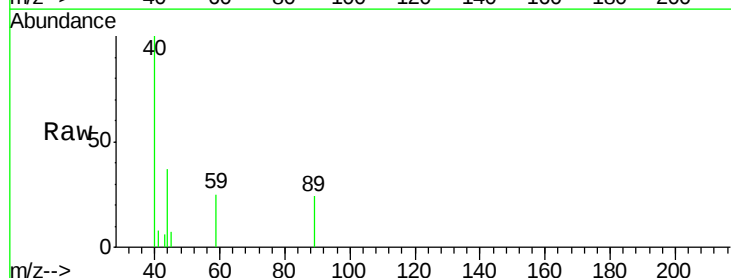
Acq: 26 May 2020 12:26

Tgt Ion: 59 Resp: 594

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

5.20

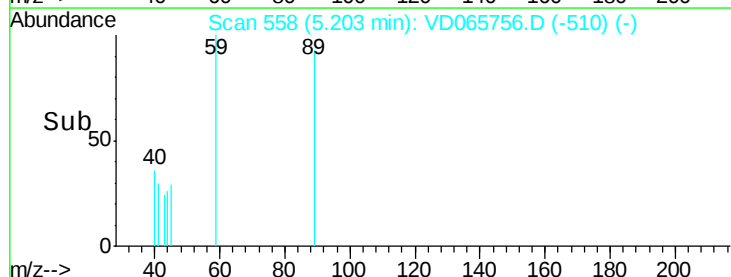
600

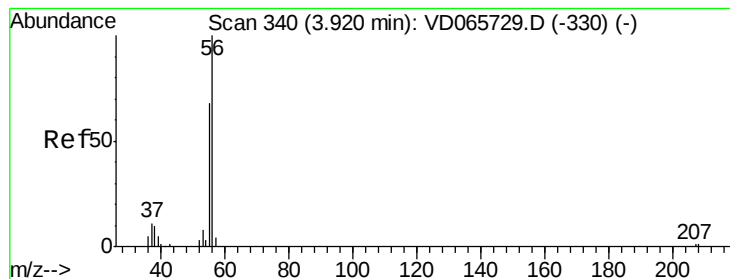
400

200

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

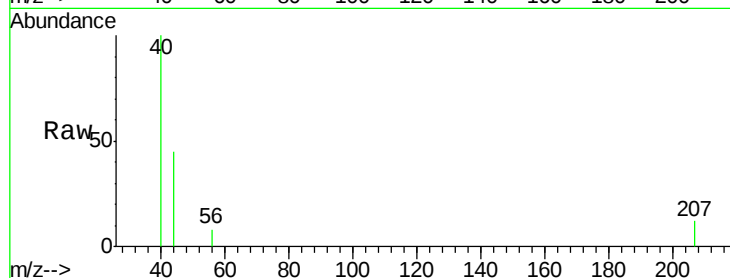
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 127

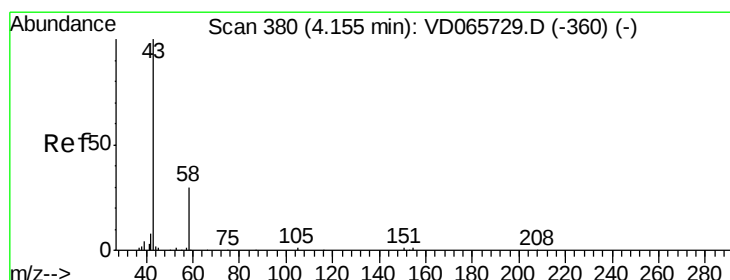
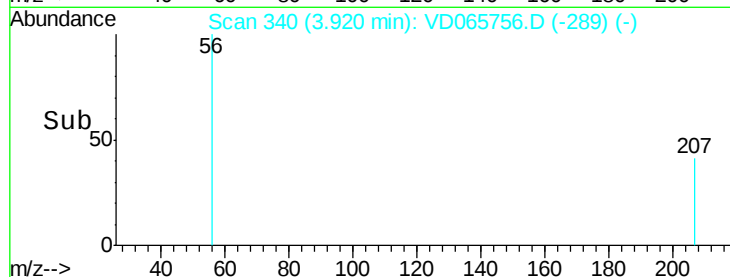
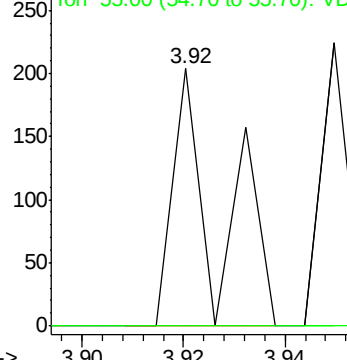
Ion Ratio Lower Upper

56 100

55 0.0 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: 4.964 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065756.D

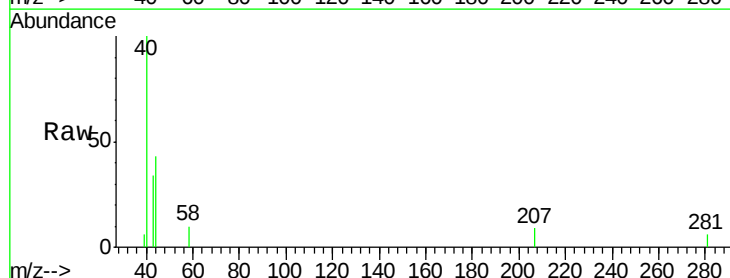
Acq: 26 May 2020 12:26

Tgt Ion: 43 Resp: 2659

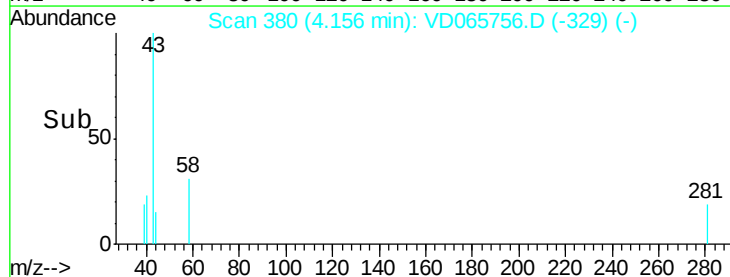
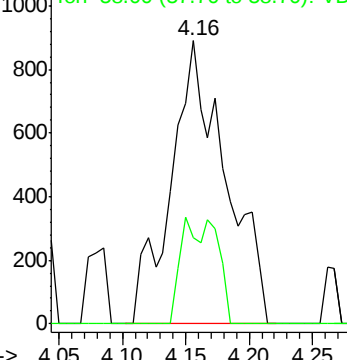
Ion Ratio Lower Upper

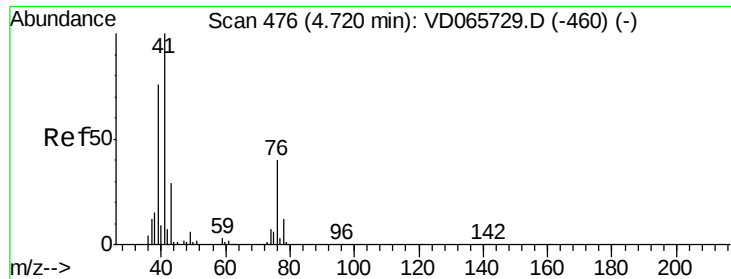
43 100

58 30.7 23.7 35.5



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

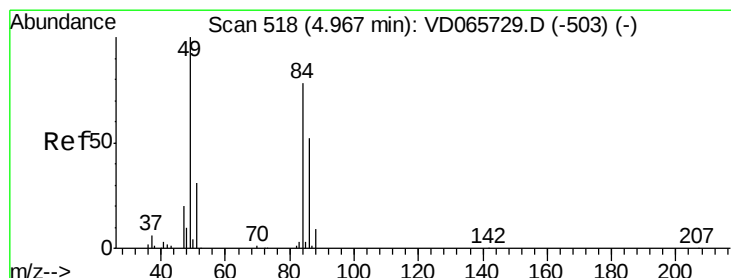
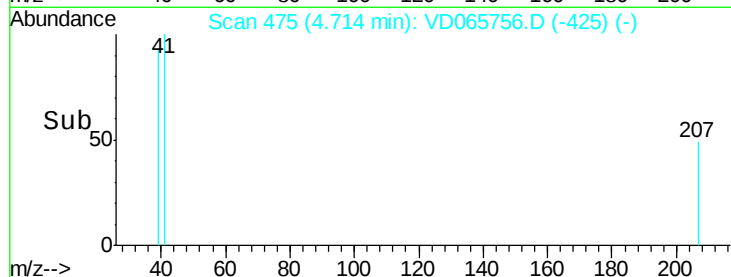
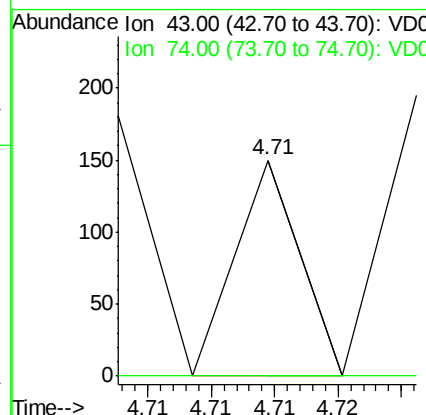
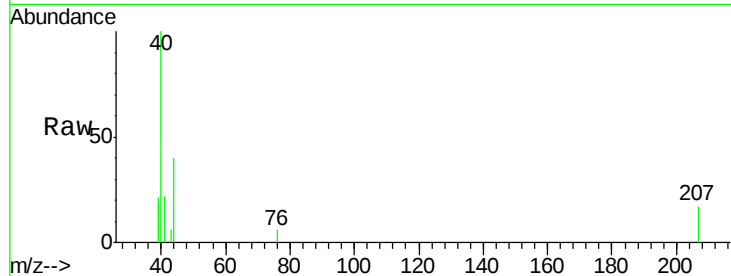




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065756.D
Acq: 26 May 2020 12:26

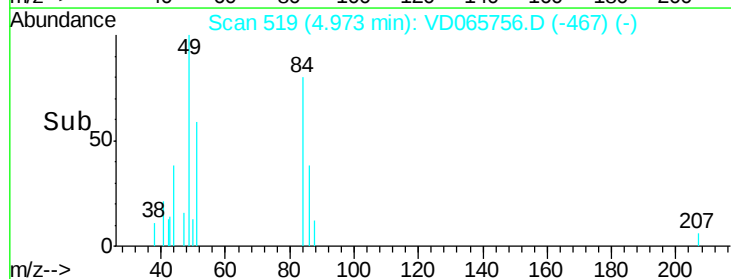
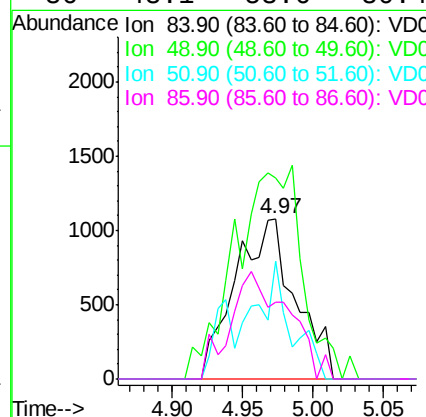
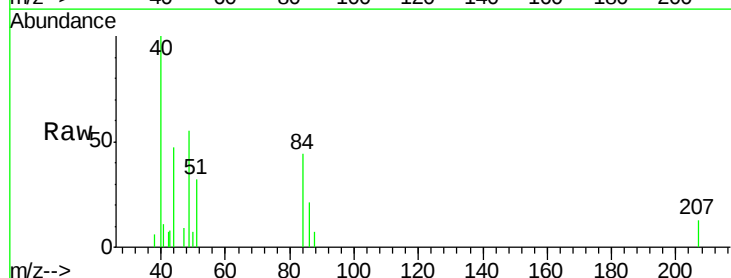
Instrument :
MSVOA_D
ClientSampleId :

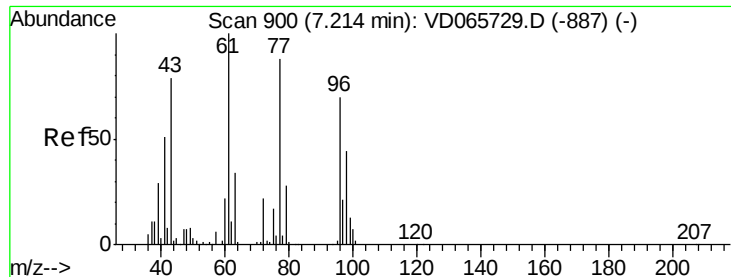
Tot Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: 1.068 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065756.D
Acq: 26 May 2020 12:26

Tgt Ion: 84 Resp: 3228
Ion Ratio Lower Upper
84 100
49 125.5 102.9 154.3
51 73.7 31.5 47.3#
86 48.1 53.6 80.4#





#25

2-Butanone

Concen: 1.768 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

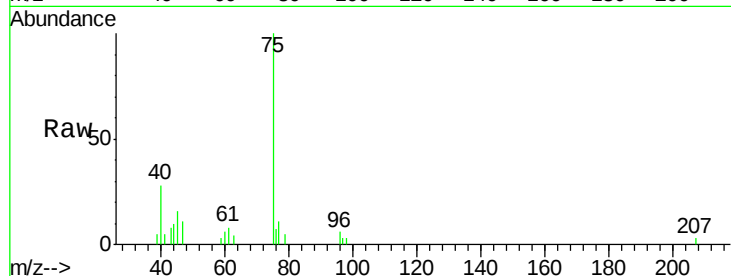
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1354

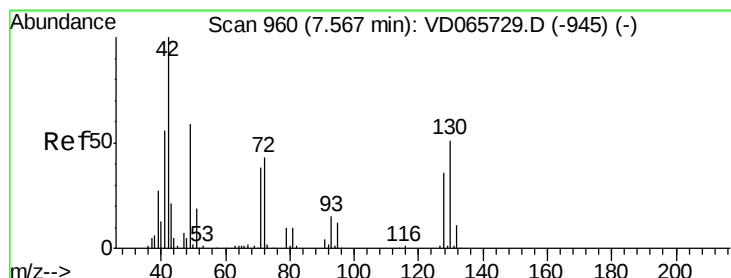
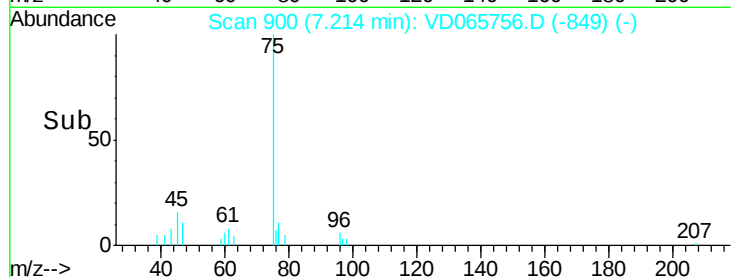
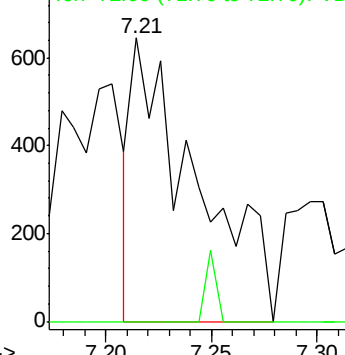
Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.427 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

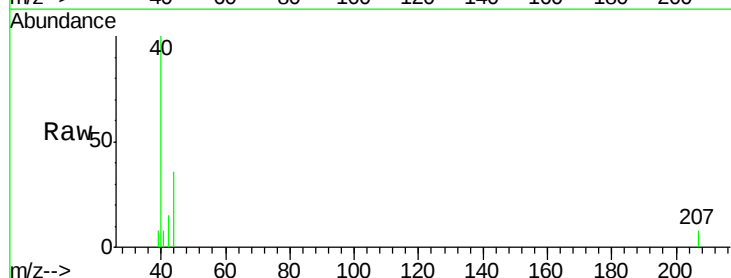
Tgt Ion: 42 Resp: 693

Ion Ratio Lower Upper

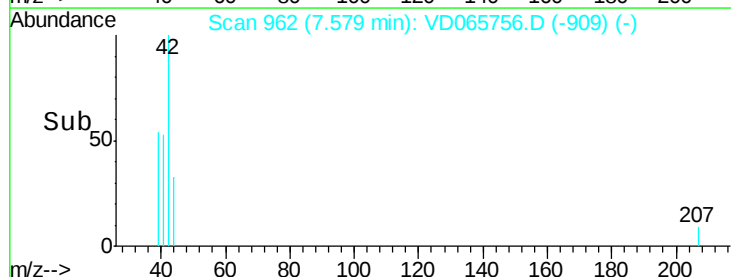
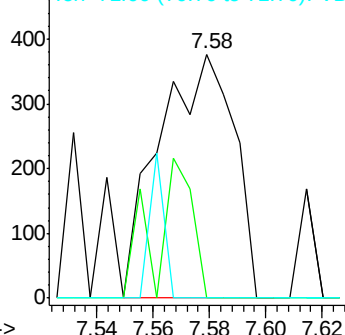
42 100

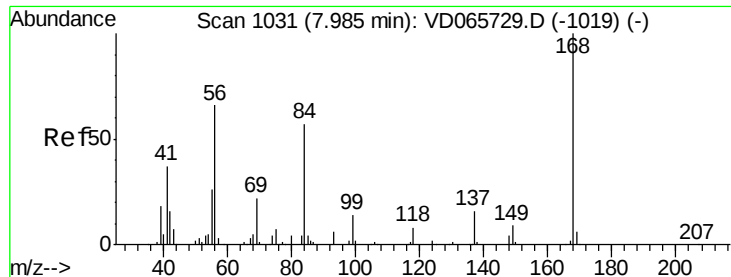
72 28.3 33.5 50.3#

71 11.4 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.755 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

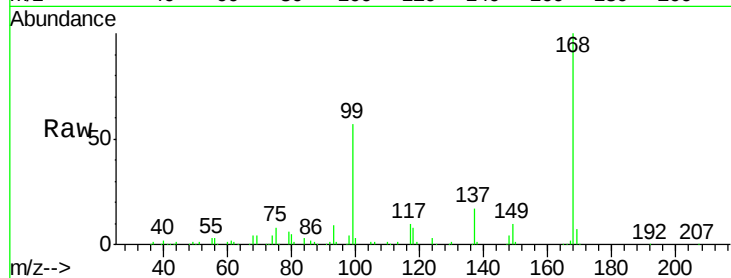
Tot Ion: 56 Resp: 9106

Ion Ratio Lower Upper

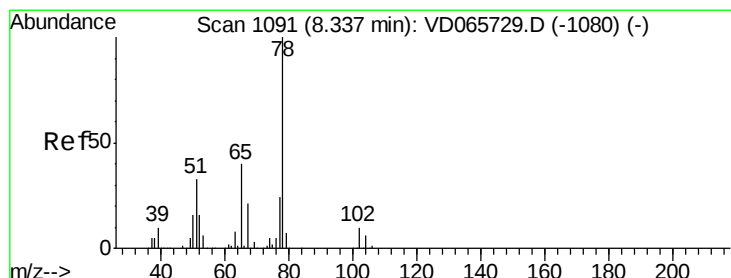
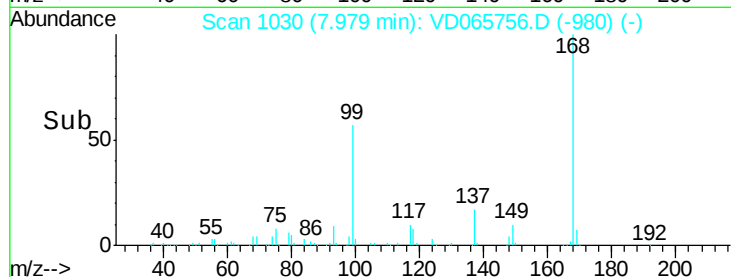
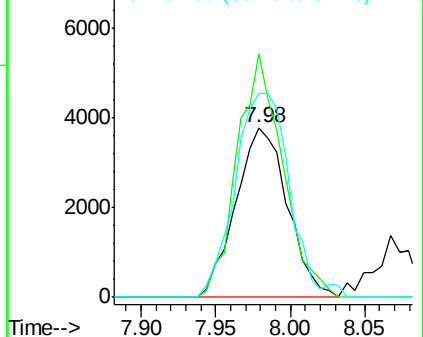
56 100

69 143.2 25.9 38.9#

84 120.3 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: 59.094 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065756.D

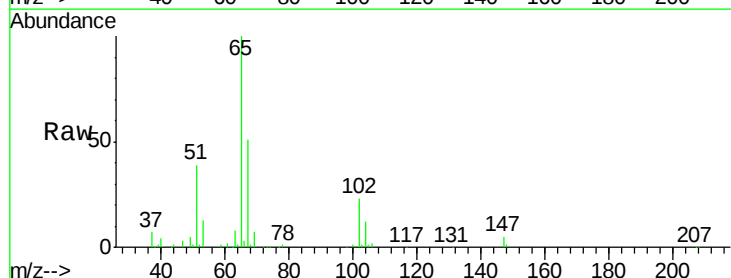
Acq: 26 May 2020 12:26

Tgt Ion: 65 Resp: 154322

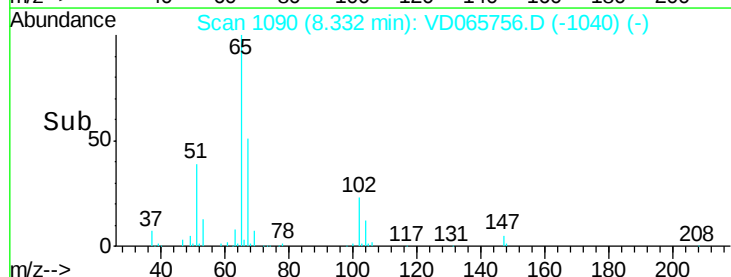
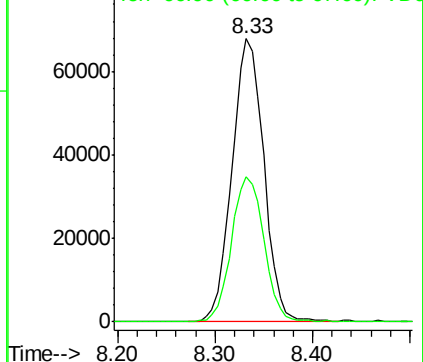
Ion Ratio Lower Upper

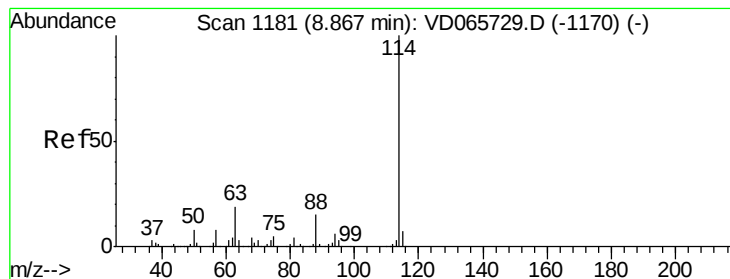
65 100

67 52.5 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: VD065756.D

Acq: 26 May 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

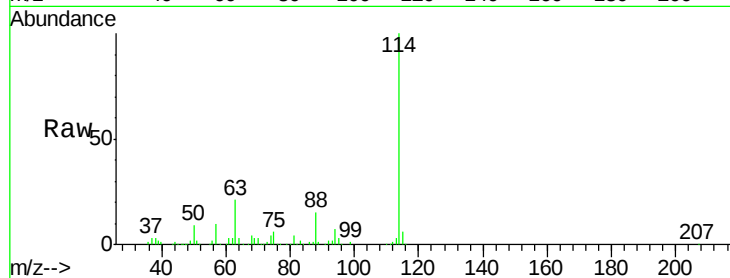
Tot Ion:114 Resp: 491698

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.2

88 14.9 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

300000

250000

200000

150000

100000

50000

0

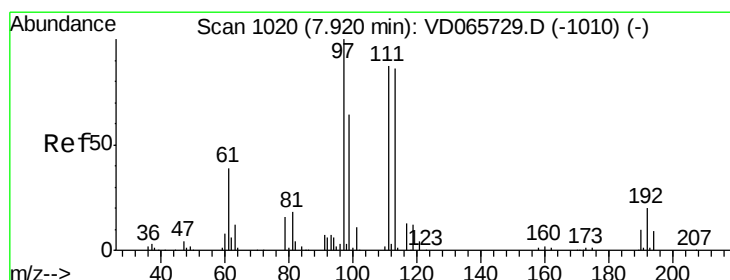
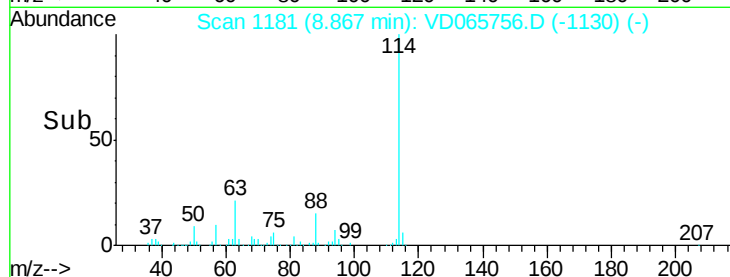
8.87

8.80

8.90

9.00

Time-->



#35

Dibromofluoromethane

Concen: 56.483 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

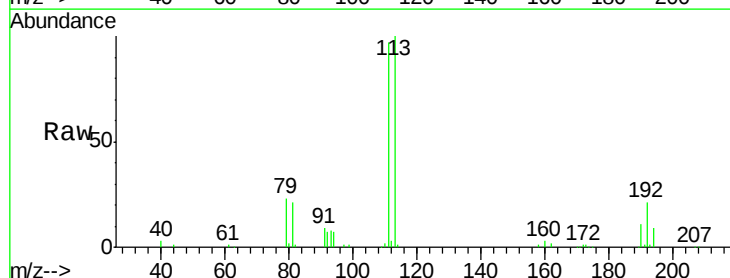
Tgt Ion:113 Resp: 157338

Ion Ratio Lower Upper

113 100

111 100.8 81.1 121.7

192 20.8 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

80000

60000

40000

20000

0

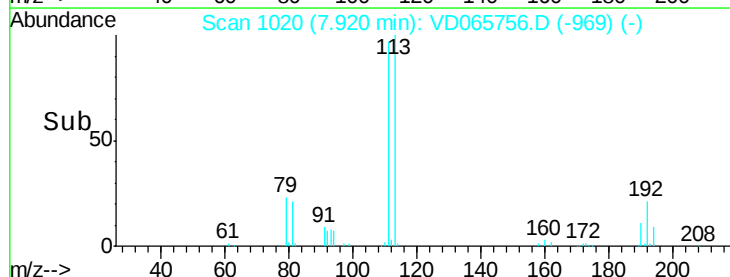
7.92

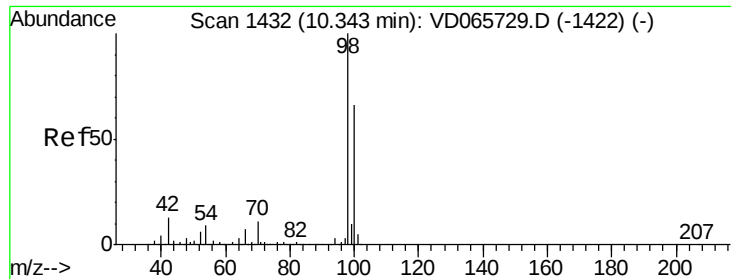
7.80

7.90

8.00

Time-->

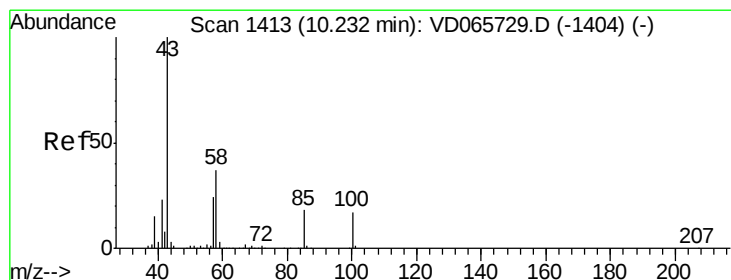
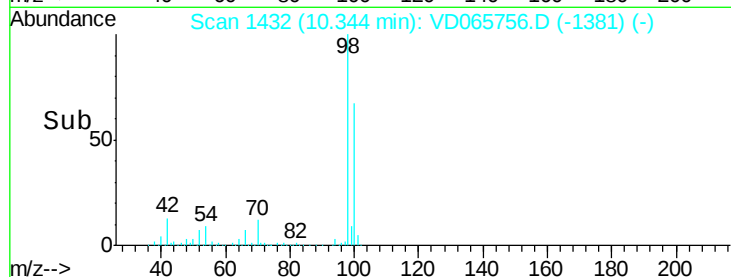
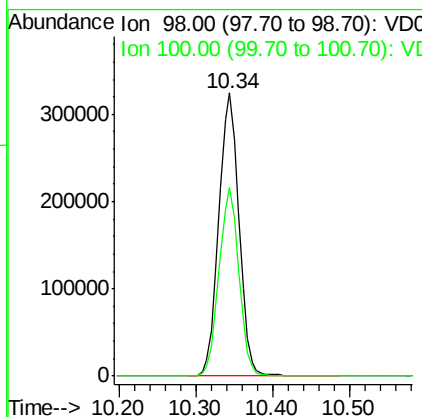
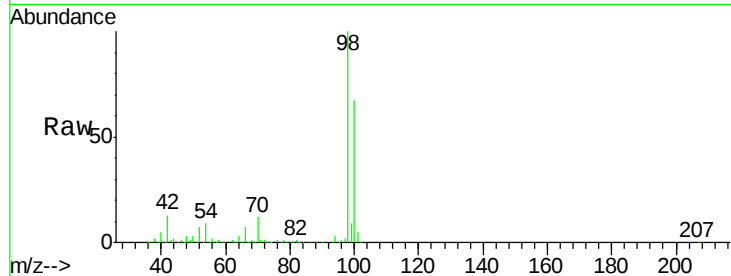




#50
Toluene-d8
Concen: 55.607 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065756.D
Acq: 26 May 2020 12:26

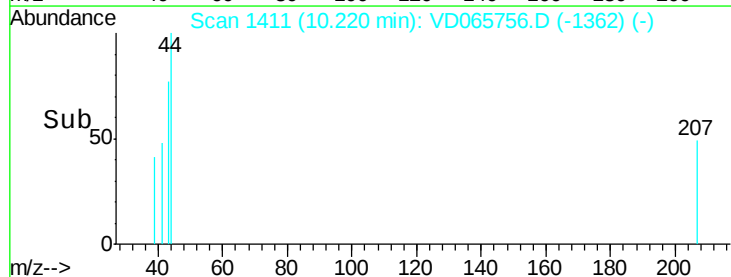
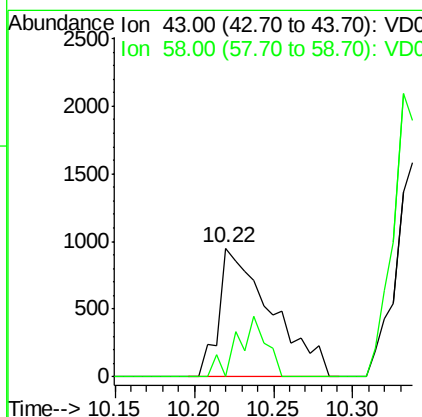
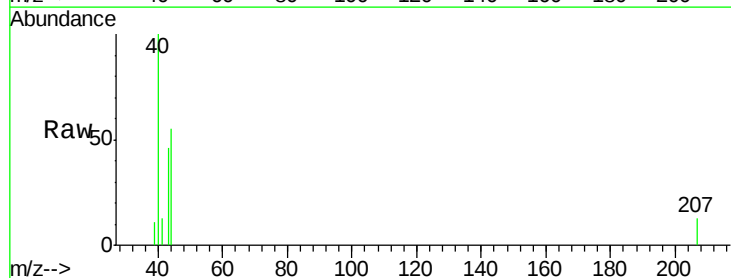
Instrument :
MSVOA_D
ClientSampled :

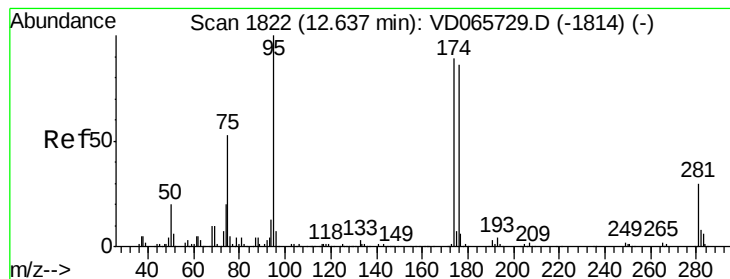
Tot Ion: 98 Resp: 589722
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.256 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD065756.D
Acq: 26 May 2020 12:26

Tgt Ion: 43 Resp: 2179
Ion Ratio Lower Upper
43 100
58 25.9 30.2 45.2#





#62

4-Bromofluorobenzene

Concen: 58.608 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

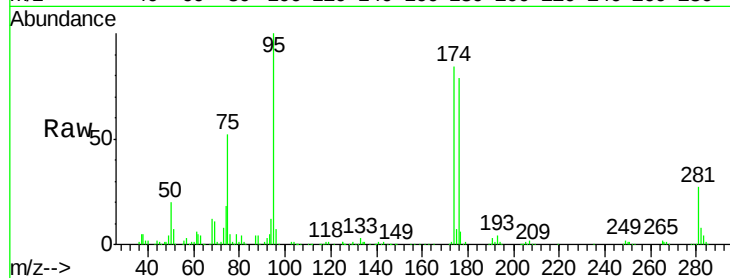
Tot Ion: 95 Resp: 210495

Ion Ratio Lower Upper

95 100

174 83.8 0.0 179.4

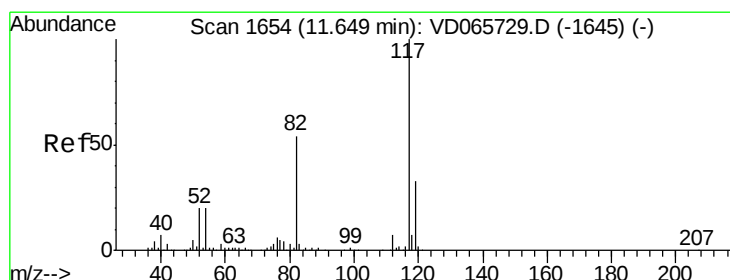
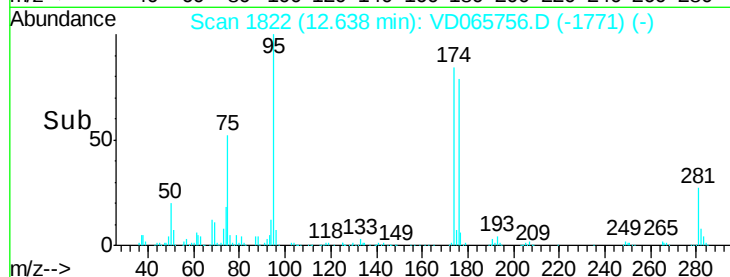
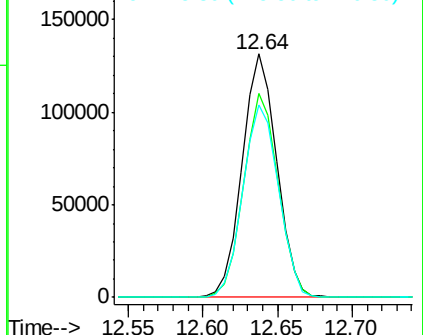
176 81.4 0.0 174.0



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: VD065756.D

Acq: 26 May 2020 12:26

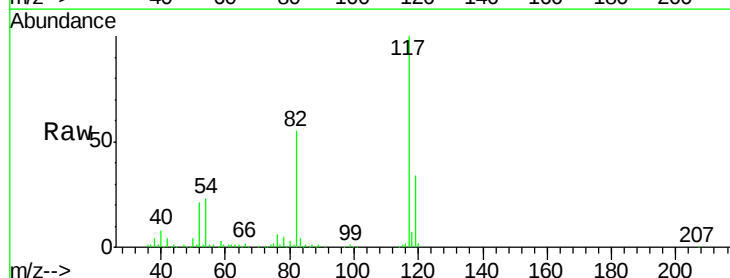
Tgt Ion: 117 Resp: 458658

Ion Ratio Lower Upper

117 100

82 54.8 43.0 64.6

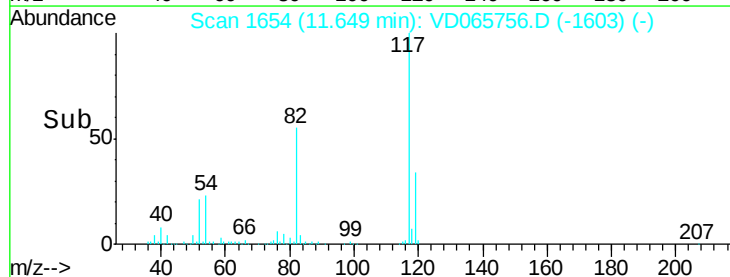
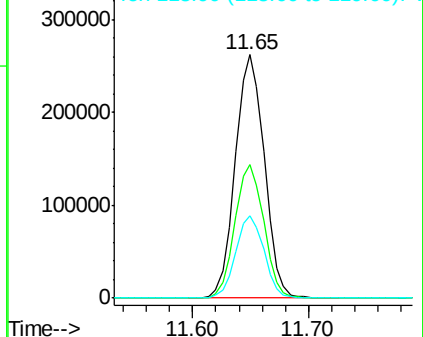
119 33.8 26.6 40.0

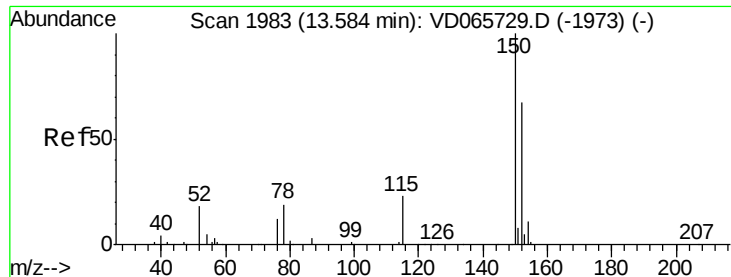


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

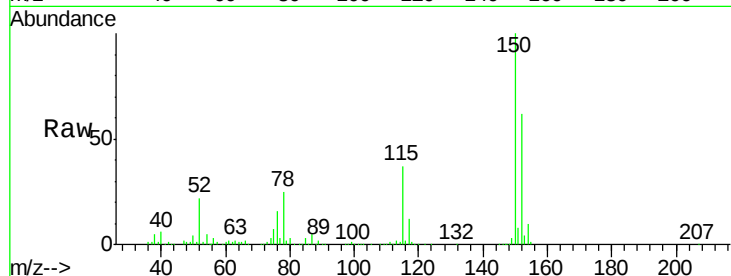
Tot Ion:152 Resp: 219298

Ion Ratio Lower Upper

152 100

115 59.2 28.1 84.3

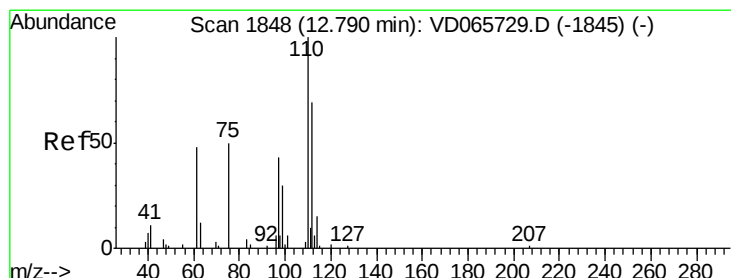
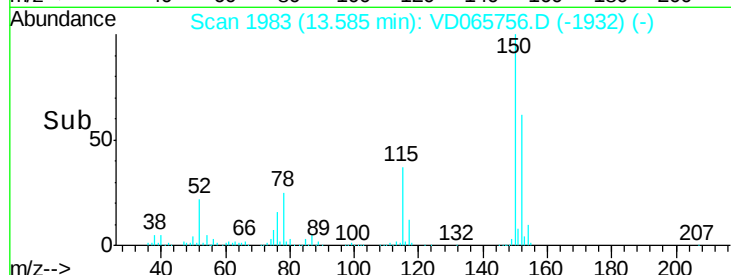
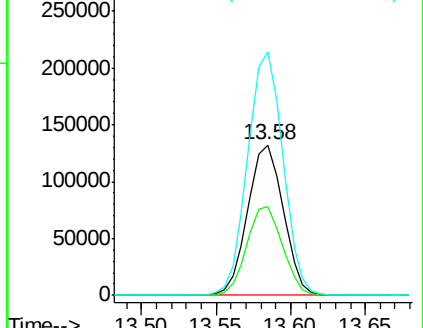
150 160.2 0.0 343.2



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



#76

1,2,3-Trichloropropane

Concen: 67.438 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065756.D

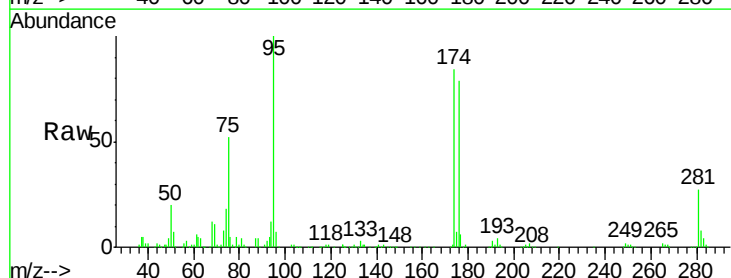
Acq: 26 May 2020 12:26

Tgt Ion: 75 Resp: 110372

Ion Ratio Lower Upper

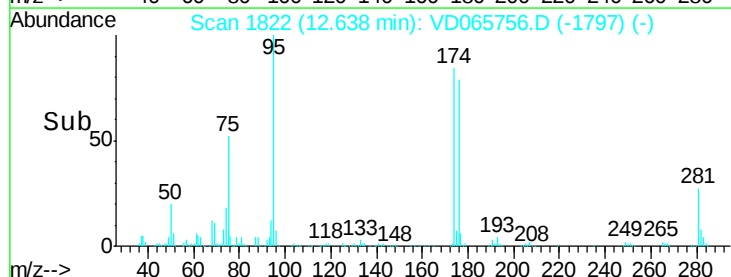
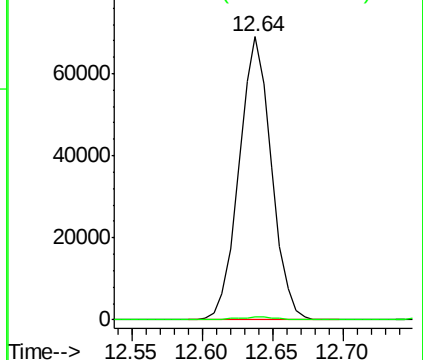
75 100

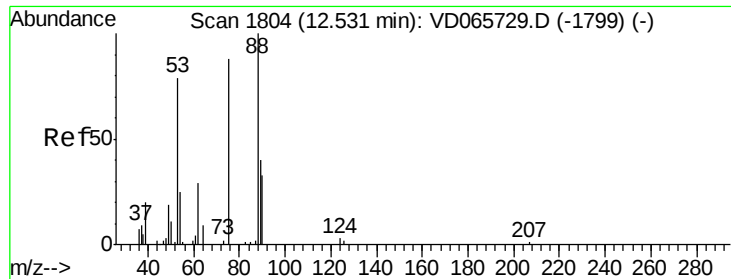
77 1.2 0.0 0.0#



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: 132.304 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065756.D

Acq: 26 May 2020 12:26

Instrument :

MSVOA_D

ClientSampleId :

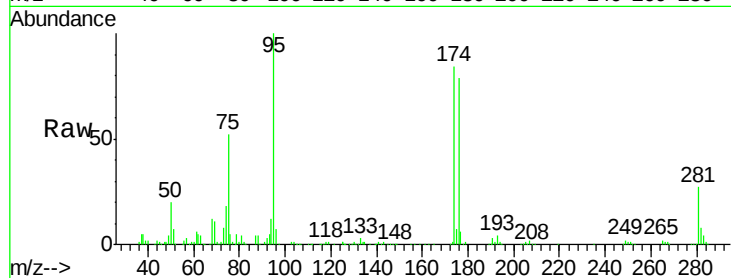
Tot Ion: 75 Resp: 110372

Ion Ratio Lower Upper

75 100

53 0.0 72.6 109.0#

89 0.4 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

