

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061220\
 Data File : VD065788.D
 Acq On : 12 Jun 2020 11:21
 Operator : VA/SY
 Sample : VD0612SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 01:36:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	182691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	302661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	121047	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	104939	58.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.26%	
35) Dibromofluoromethane	7.91	113	100469	52.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.10%	
50) Toluene-d8	10.34	98	376167	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.64	95	116187	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	

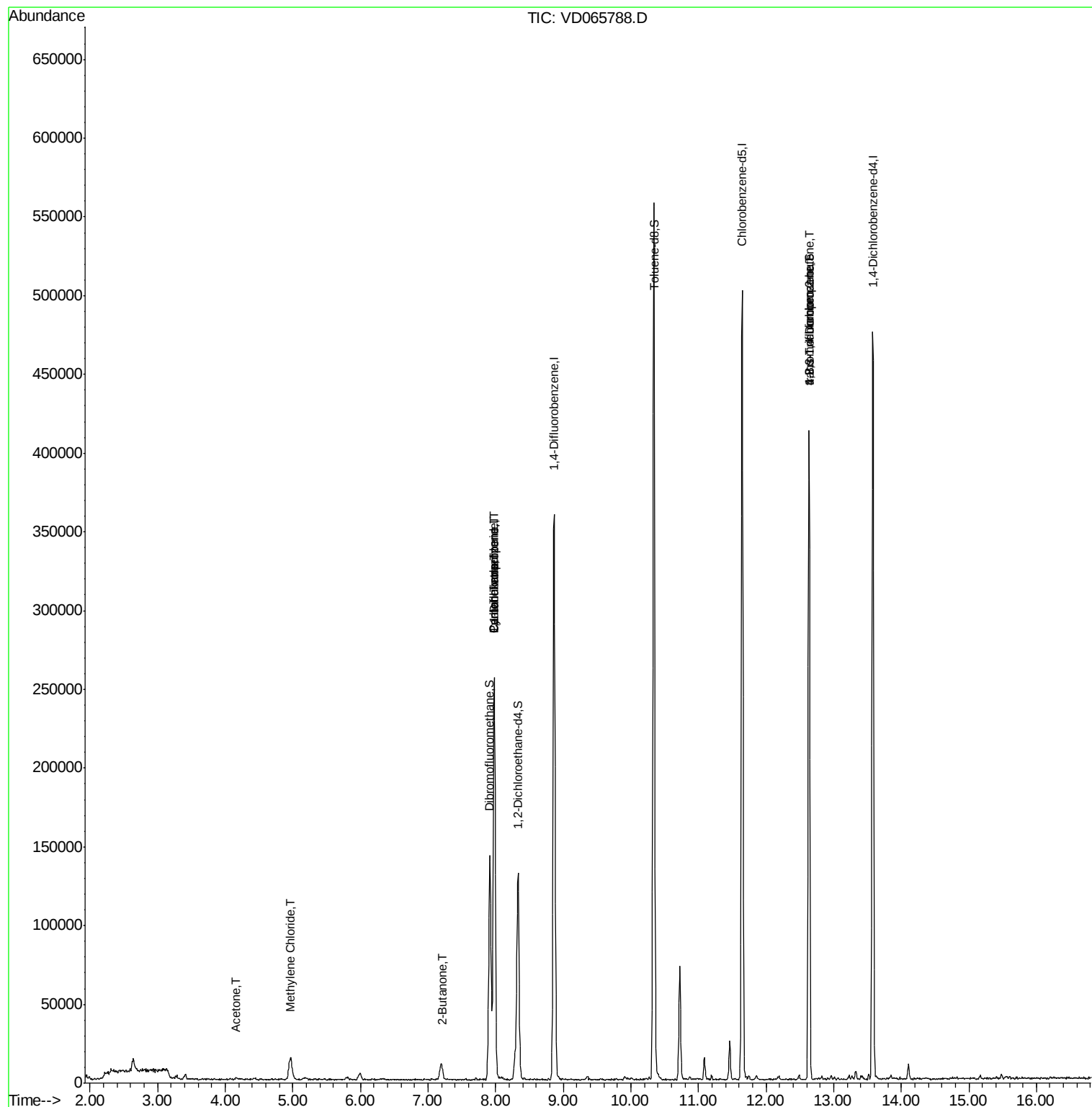
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	938	Below Cal		77
3) Chloromethane	2.21	50	643	Below Cal		92
11) Tert butyl alcohol	5.24	59	84	Below Cal	#	74
16) Acetone	4.16	43	1894	5.562	ug/l #	47
18) Methyl Acetate	4.74	43	252	Below Cal	#	52
20) Methylene Chloride	4.96	84	10563	1.528	ug/l	98
25) 2-Butanone	7.22	43	753	1.601	ug/l #	52
31) Cyclohexane	7.98	56	4825	1.490	ug/l #	28
36) 1,1-Dichloropropene	7.98	75	15006	5.176	ug/l #	50
38) Carbon Tetrachloride	7.98	117	19977	6.547	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	64066	68.054	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	64066	147.039	ug/l #	9

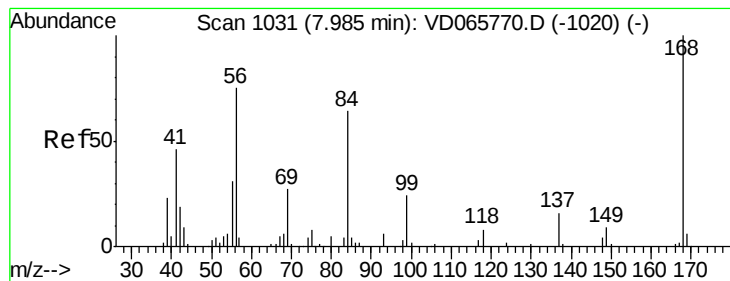
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065788.D

Acq: 12 Jun 2020 11:21

Instrument :

MSVOA_D

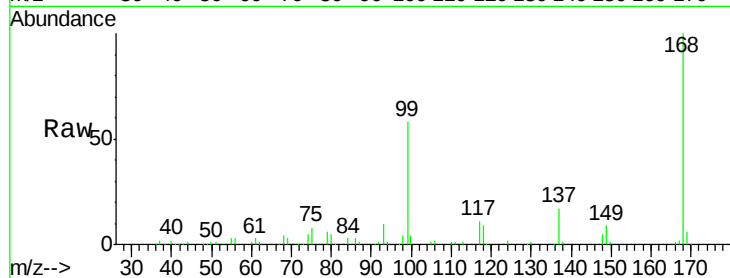
ClientSampleId :

Tot Ion:168 Resp: 182691

Ion Ratio Lower Upper

168 100

99 57.7 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

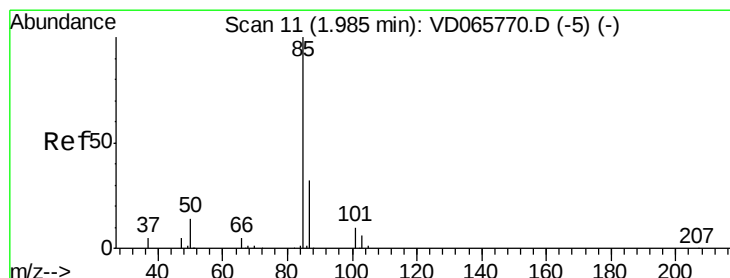
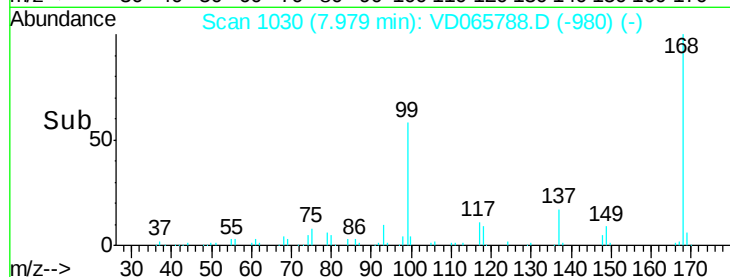
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065788.D

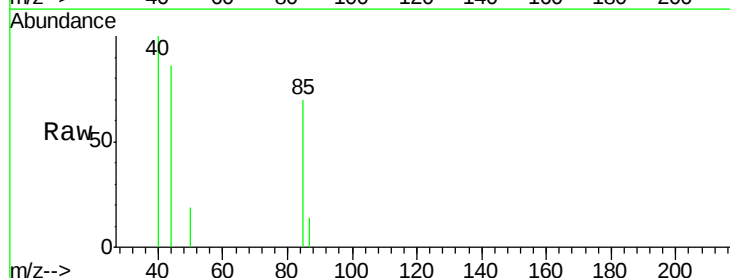
Acq: 12 Jun 2020 11:21

Tgt Ion: 85 Resp: 938

Ion Ratio Lower Upper

85 100

87 19.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

1000

800

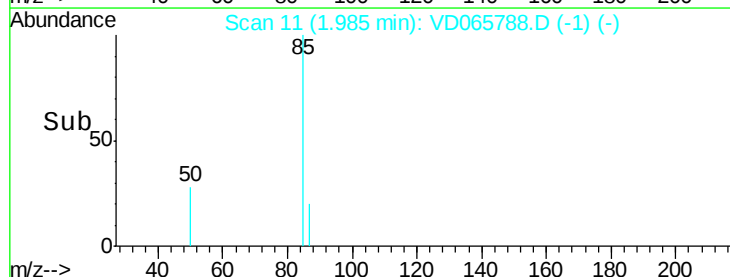
600

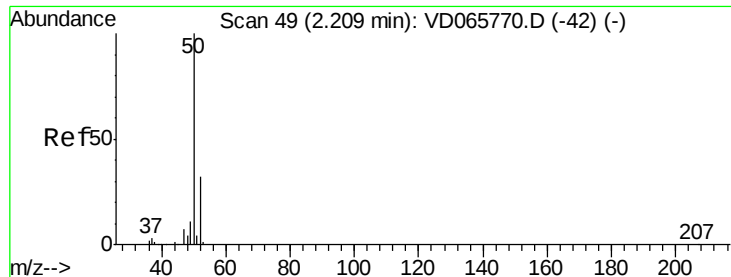
400

200

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065788.D

Acq: 12 Jun 2020 11:21

Instrument :

MSVOA_D

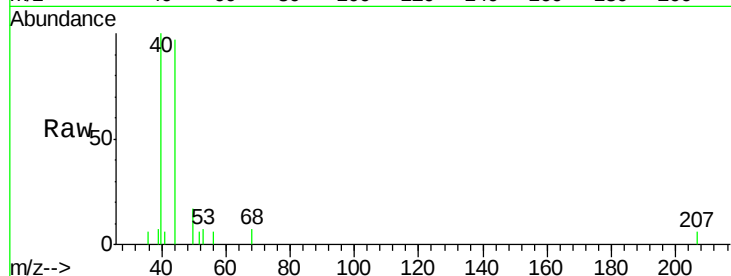
ClientSampleId :

Tot Ion: 50 Resp: 643

Ion Ratio Lower Upper

50 100

52 36.4 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400

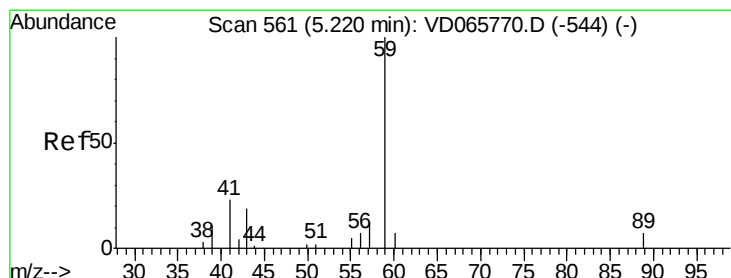
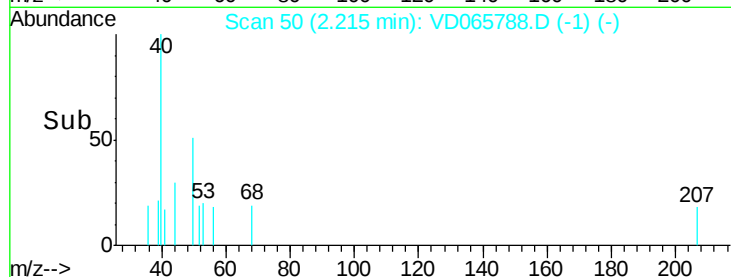
300

200

100

0

Time--> 2.16 2.18 2.20 2.22 2.24



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.24 min Scan# 564

Delta R.T. 0.02 min

Lab File: VD065788.D

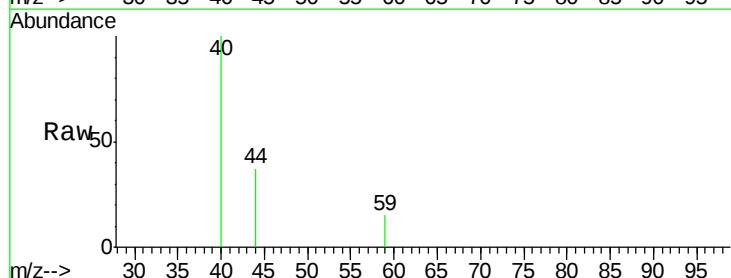
Acq: 12 Jun 2020 11:21

Tgt Ion: 59 Resp: 84

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

250

200

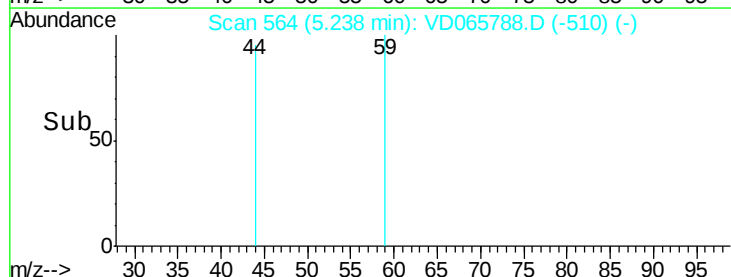
150

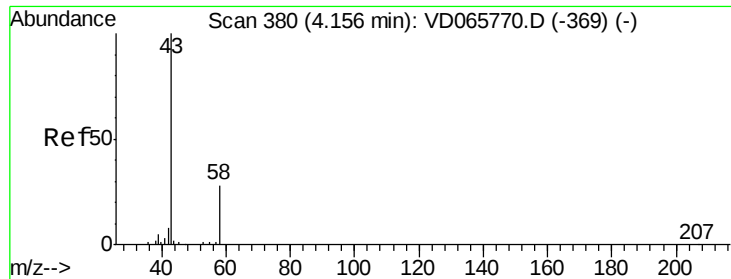
100

50

0

Time--> 5.23 5.24 5.25

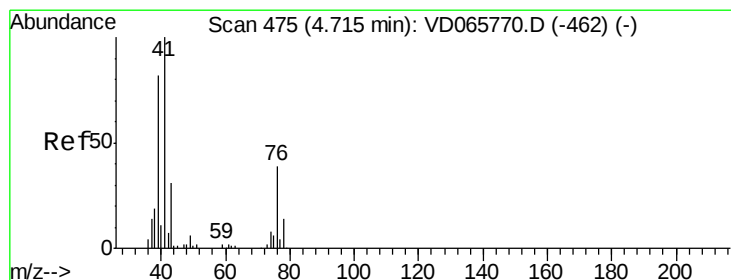
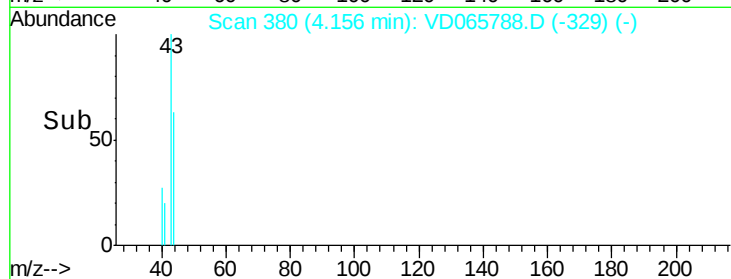
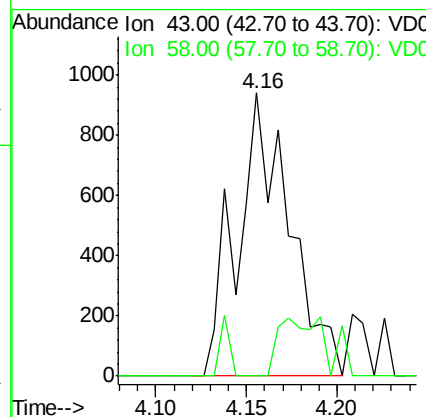
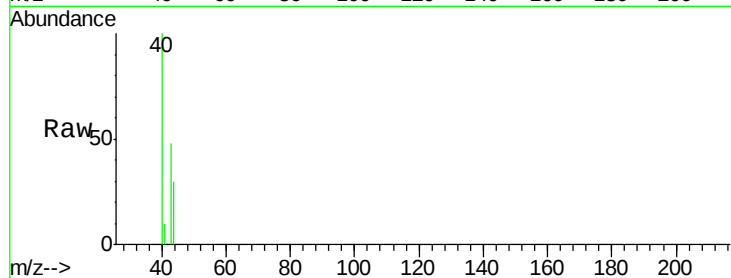




#16
Acetone
Concen: 5.562 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

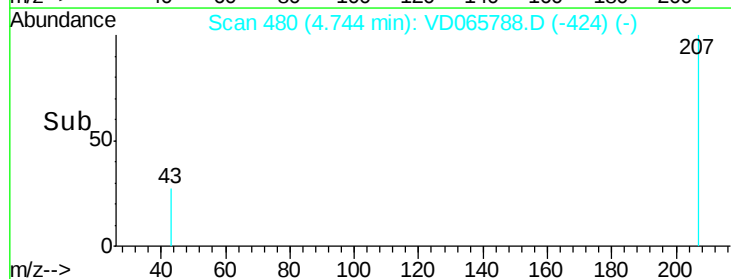
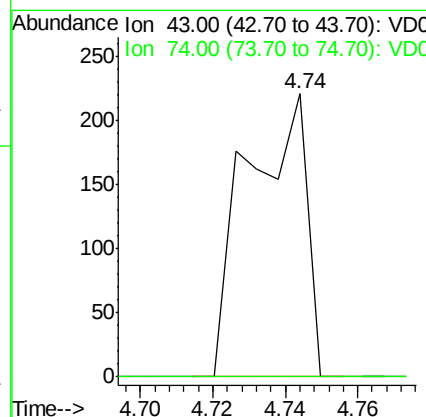
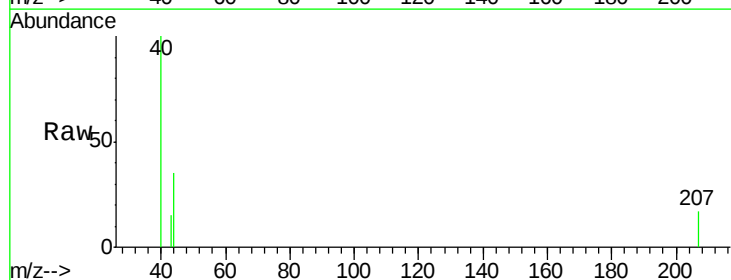
Instrument :
MSVOA_D
ClientSampleId :

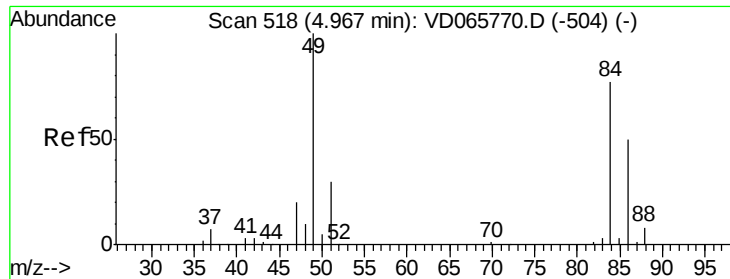
Tot Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.74 min Scan# 480
Delta R.T. 0.03 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

Tgt Ion: 43 Resp: 252
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#

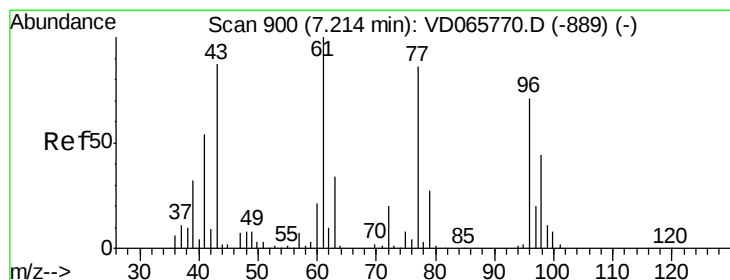
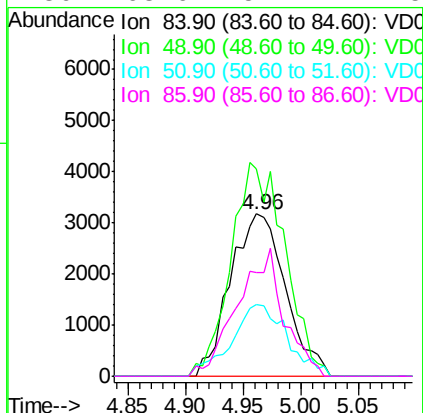
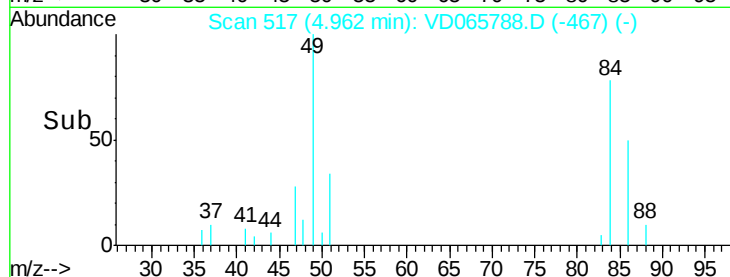
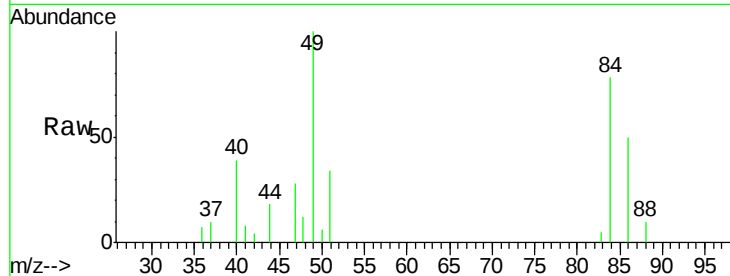




#20
Methvlene Chloride
Concen: 1.528 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

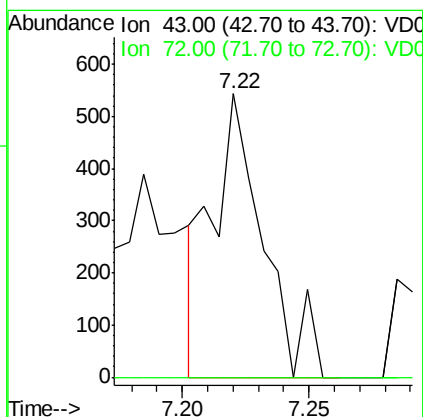
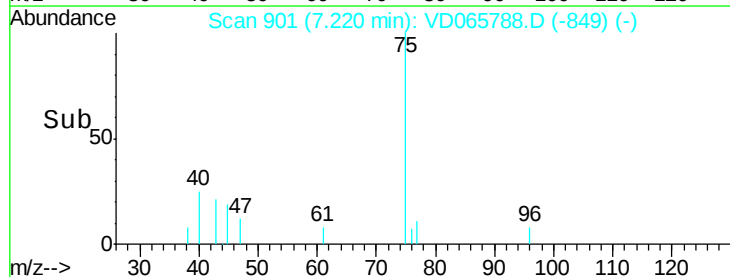
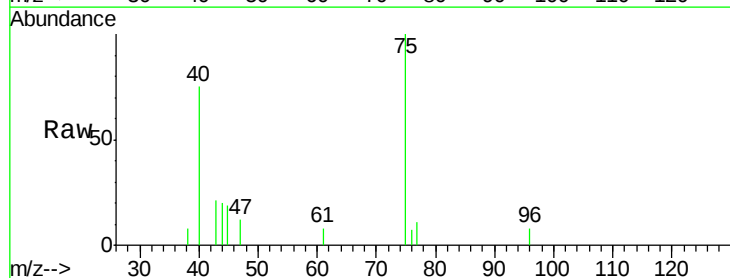
Instrument :
MSVOA_D
ClientSampleId :

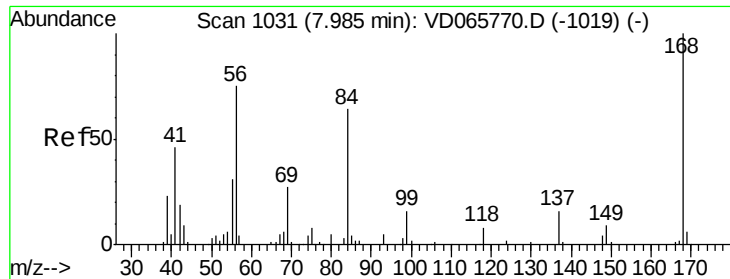
Tot Ion: 84 Resp: 10563
Ion Ratio Lower Upper
84 100
49 127.6 103.4 155.0
51 44.0 31.4 47.2
86 63.6 51.7 77.5



#25
2-Butanone
Concen: 1.601 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#

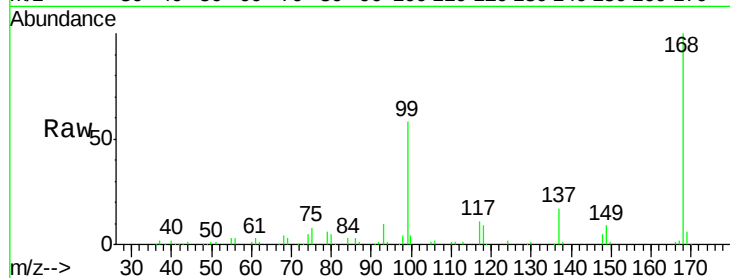




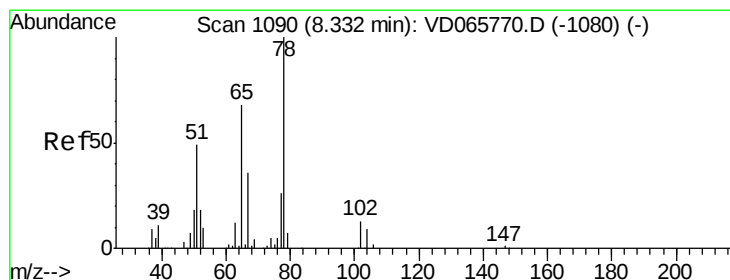
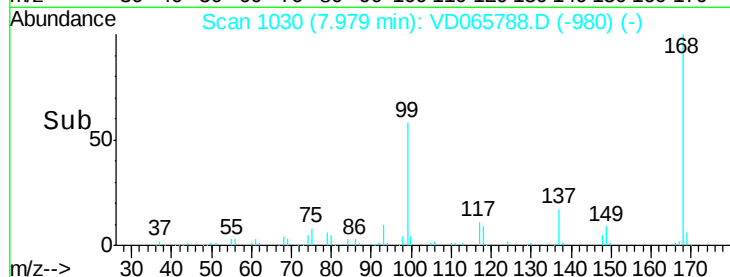
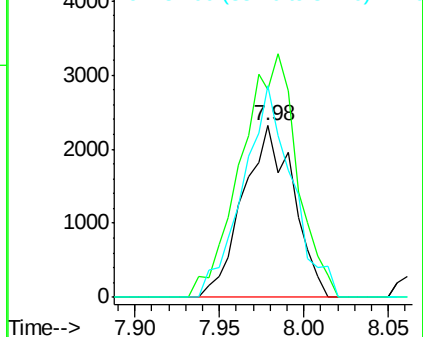
#31
Cyclohexane
Concen: 1.490 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4825
Ion Ratio Lower Upper
56 100
69 120.6 28.5 42.7#
84 123.3 68.4 102.6#

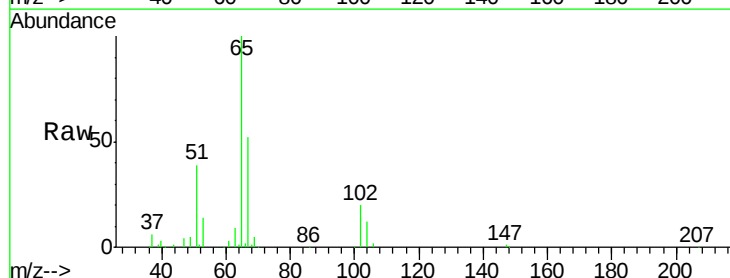


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

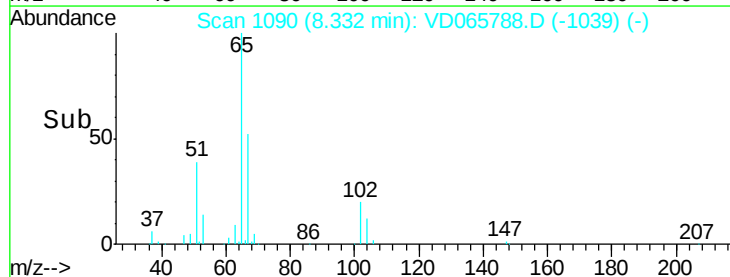
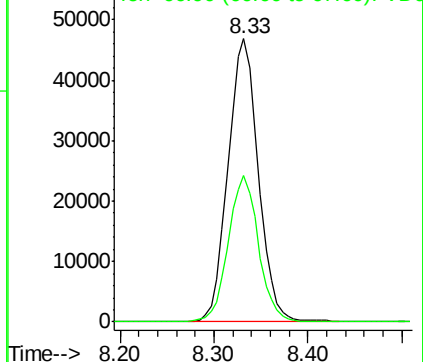


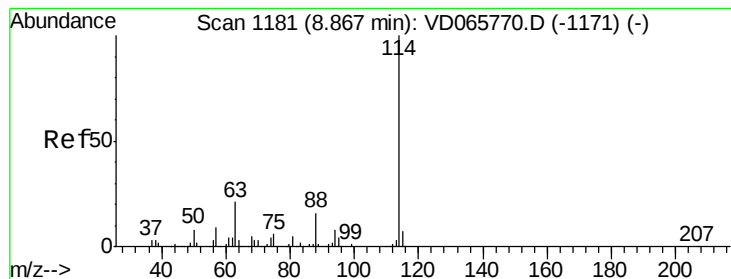
#33
1,2-Dichloroethane-d4
Concen: 58.131 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

Tgt Ion: 65 Resp: 104939
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.6



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: VD065788.D

Acq: 12 Jun 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

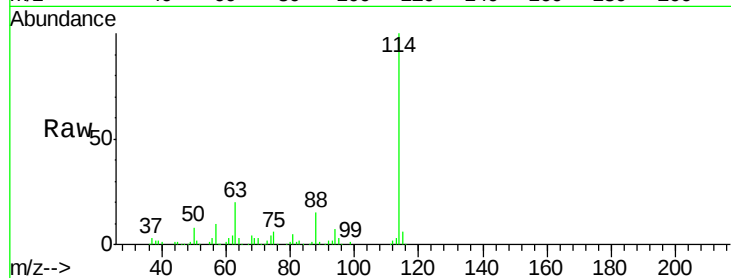
Tot Ion:114 Resp: 302661

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.8

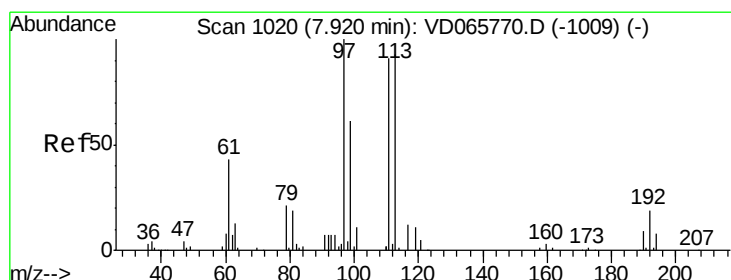
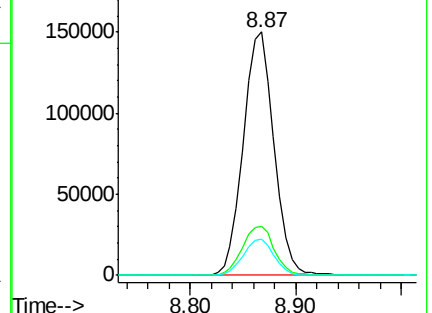
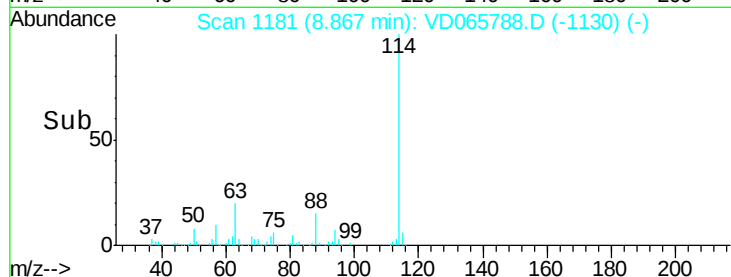
88 14.7 0.0 32.0



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: 52.552 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065788.D

Acq: 12 Jun 2020 11:21

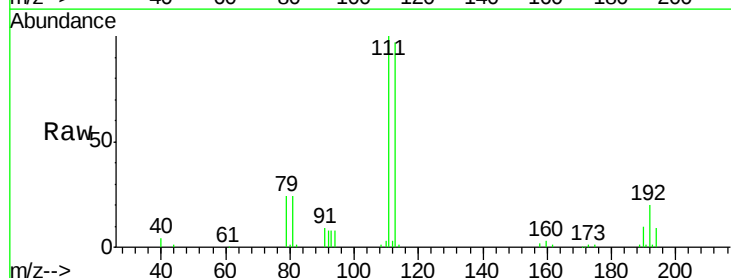
Tgt Ion:113 Resp: 100469

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

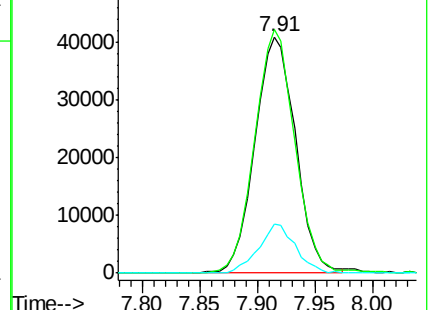
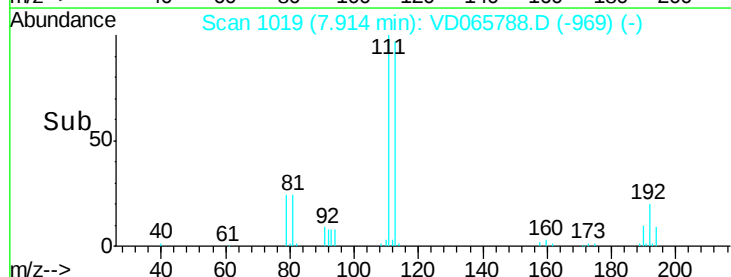
192 18.9 15.7 23.5

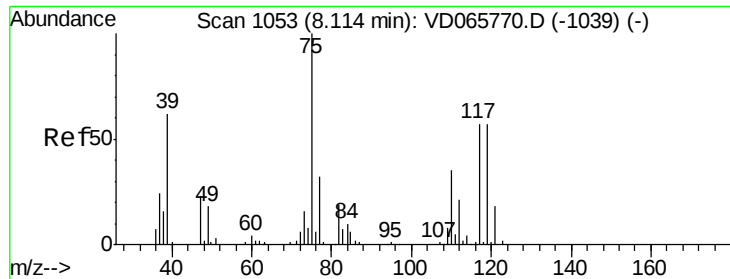


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

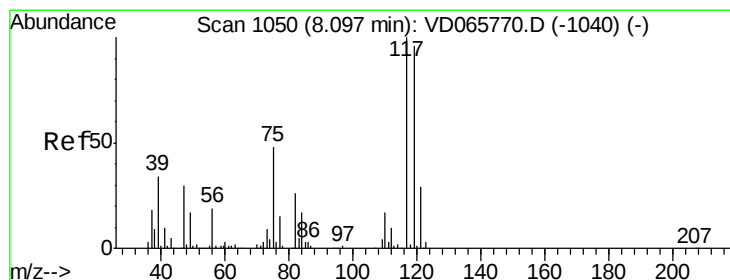
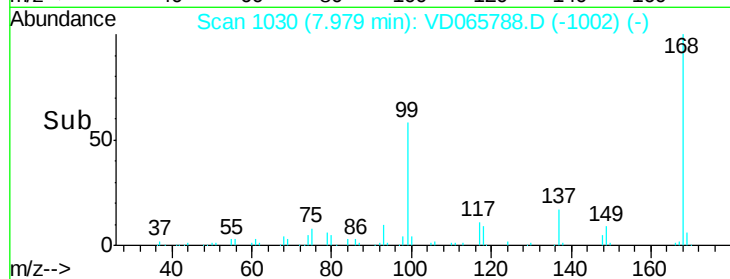
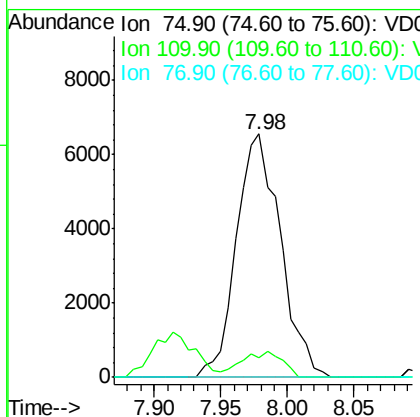
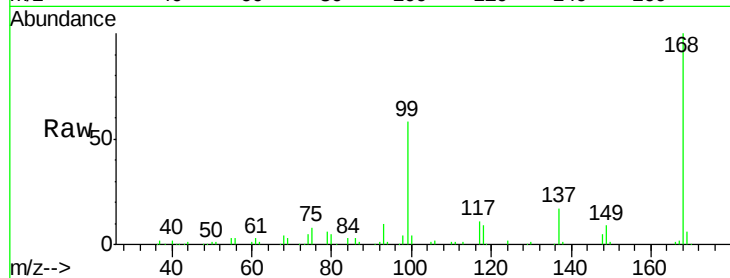




#36
 1,1-Dichloropropene
 Concen: 5.176 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065788.D
 Acq: 12 Jun 2020 11:21

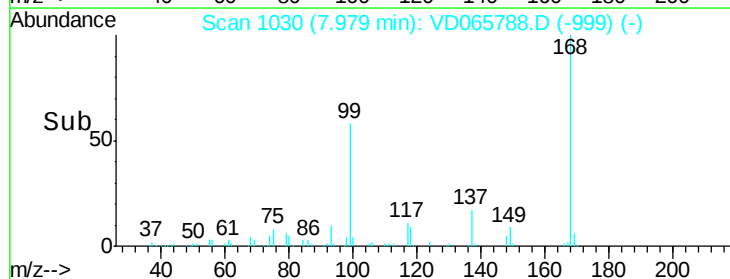
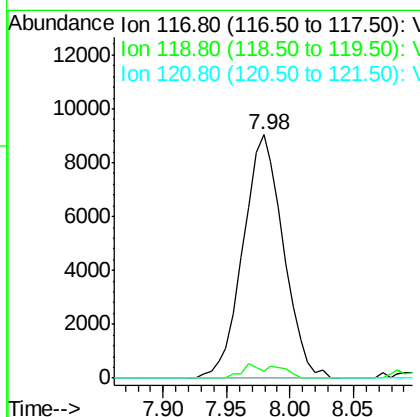
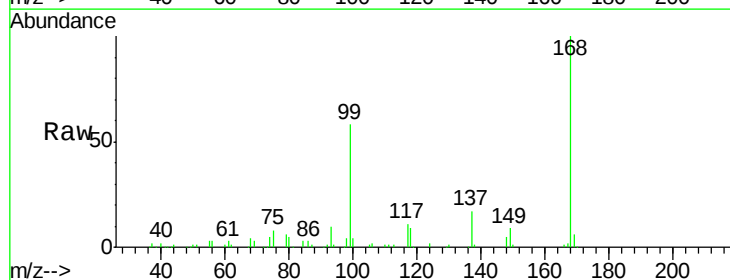
Instrument :
 MSVOA_D
 ClientSampled :

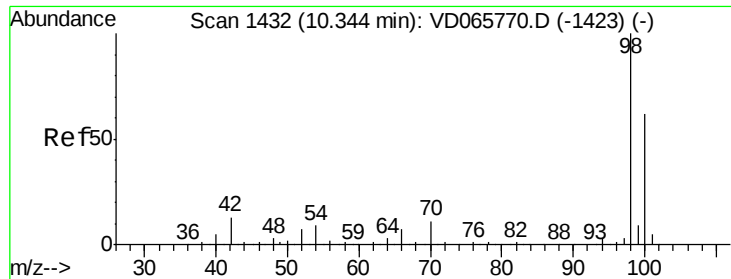
Tot Ion: 75 Resp: 15006
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.547 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065788.D
 Acq: 12 Jun 2020 11:21

Tgt Ion: 117 Resp: 19977
 Ion Ratio Lower Upper
 117 100
 119 2.7 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 52.767 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065788.D

Acq: 12 Jun 2020 11:21

Instrument :

MSVOA_D

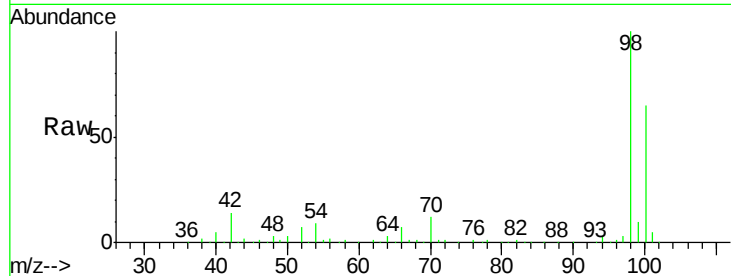
ClientSampleId :

Tot Ion: 98 Resp: 376167

Ion Ratio Lower Upper

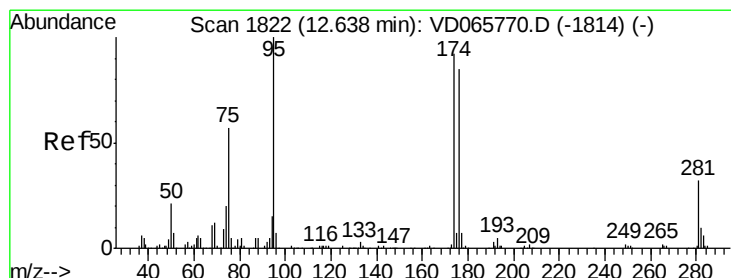
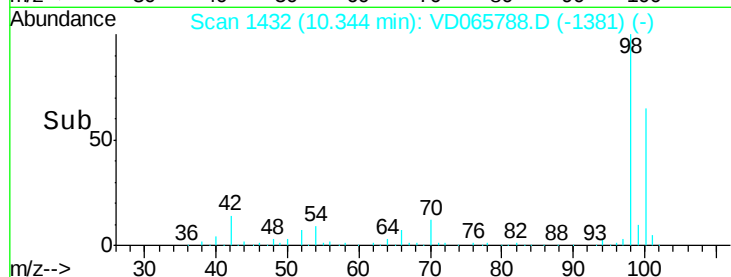
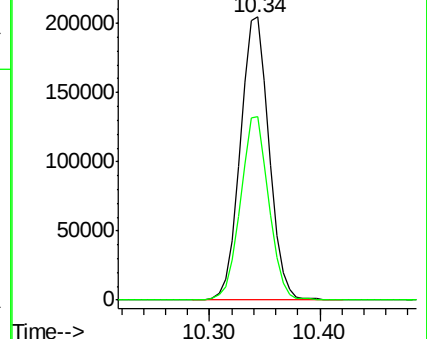
98 100

100 63.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 48.058 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065788.D

Acq: 12 Jun 2020 11:21

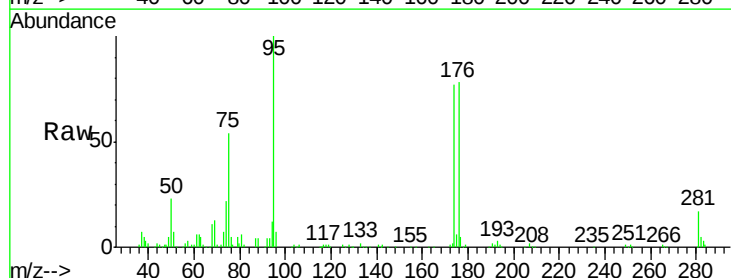
Tgt Ion: 95 Resp: 116187

Ion Ratio Lower Upper

95 100

174 81.4 0.0 175.2

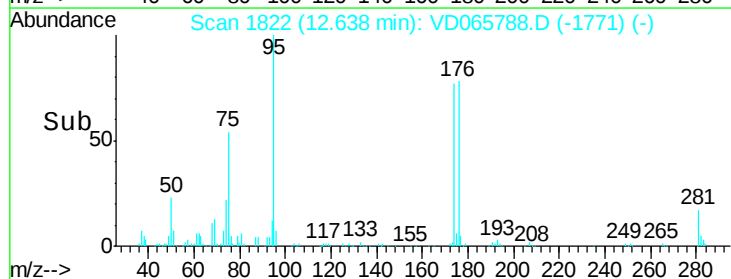
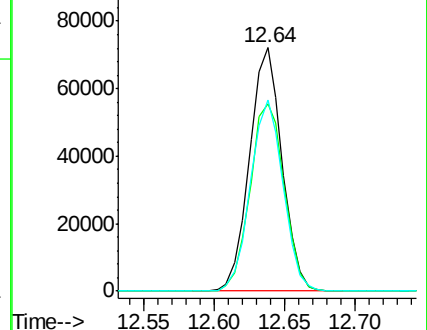
176 78.9 0.0 163.0

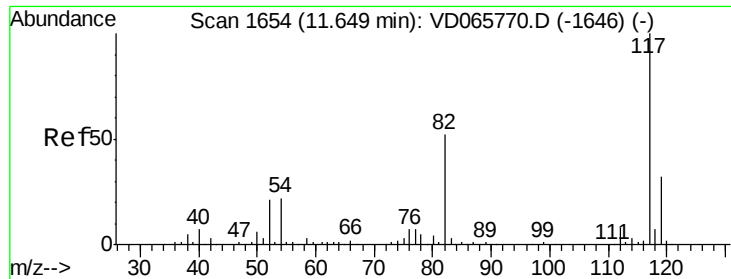


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

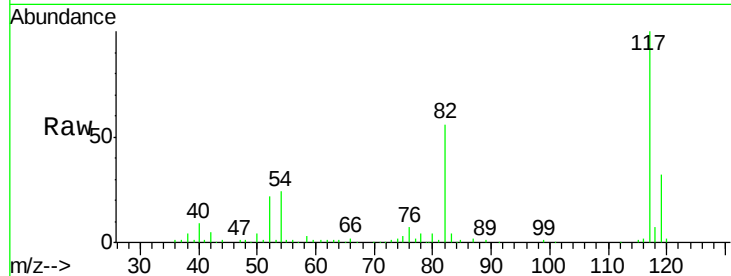




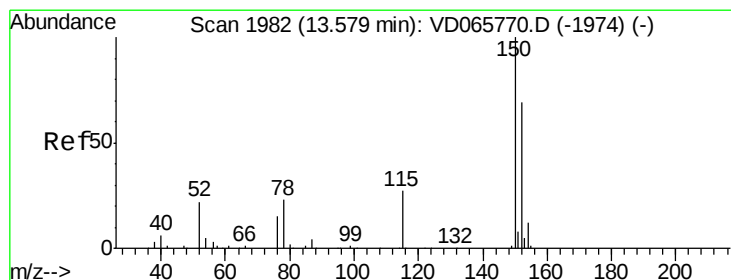
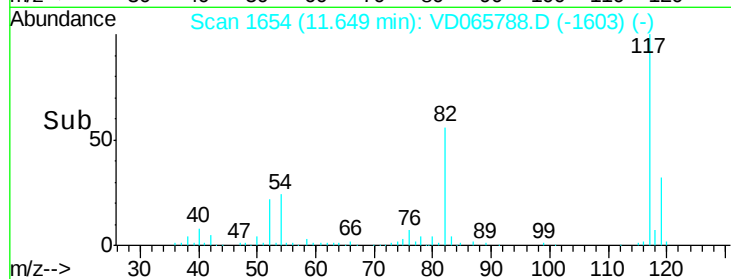
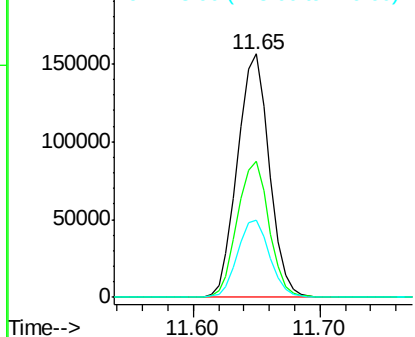
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 272782
Ion Ratio Lower Upper
117 100
82 56.1 41.9 62.9
119 32.0 25.3 37.9

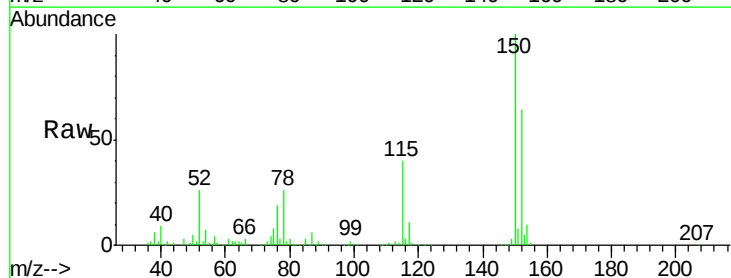


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

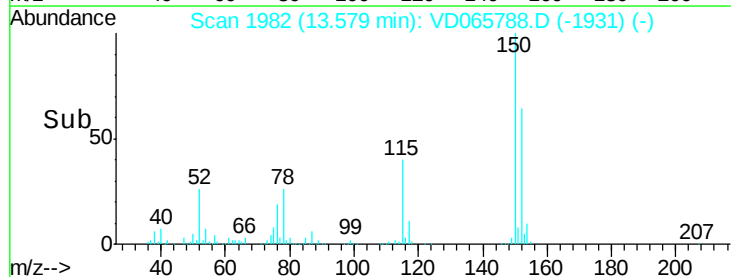
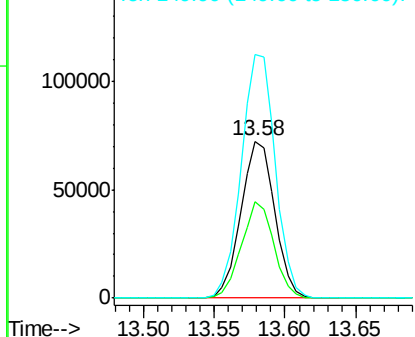


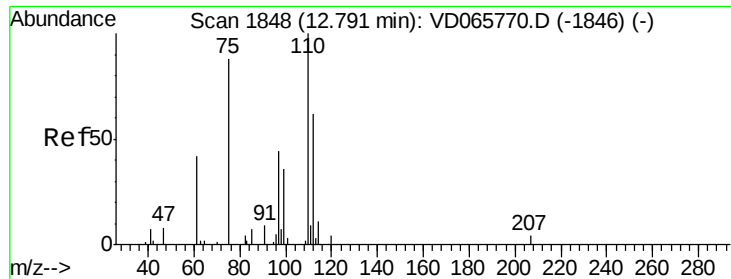
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065788.D
Acq: 12 Jun 2020 11:21

Tgt Ion:152 Resp: 121047
Ion Ratio Lower Upper
152 100
115 59.1 28.7 86.1
150 156.9 0.0 348.0



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: 68.054 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065788.D

Acq: 12 Jun 2020 11:21

Instrument :

MSVOA_D

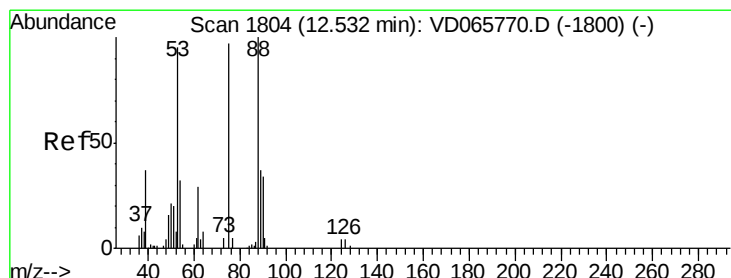
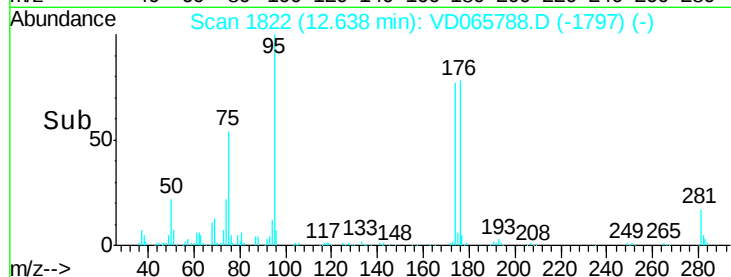
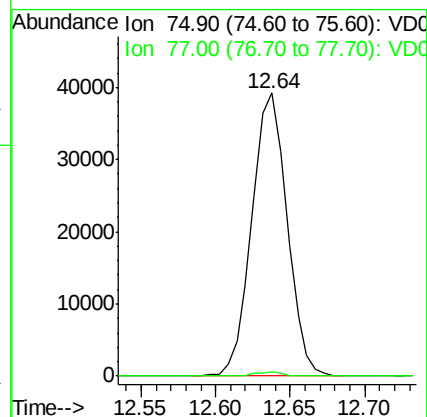
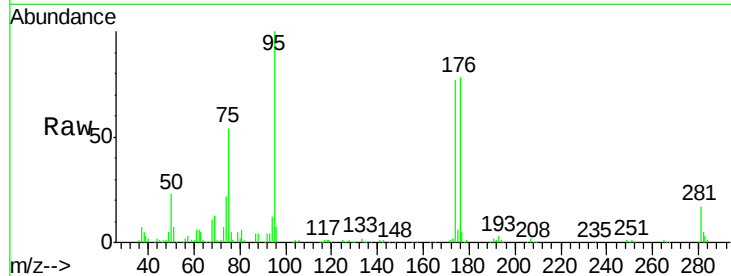
ClientSampleId :

Tot Ion: 75 Resp: 64066

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.039 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065788.D

Acq: 12 Jun 2020 11:21

Tgt Ion: 75 Resp: 64066

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

