

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070820\
 Data File : VD065936.D
 Acq On : 08 Jul 2020 12:59
 Operator : VA/SY
 Sample : VD0708SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBL01

Quant Time: Jul 09 01:23:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	384949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	618865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	572324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271172	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	174464	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	7.91	113	184223	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
50) Toluene-d8	10.34	98	651145	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
62) 4-Bromofluorobenzene	12.63	95	227894	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	

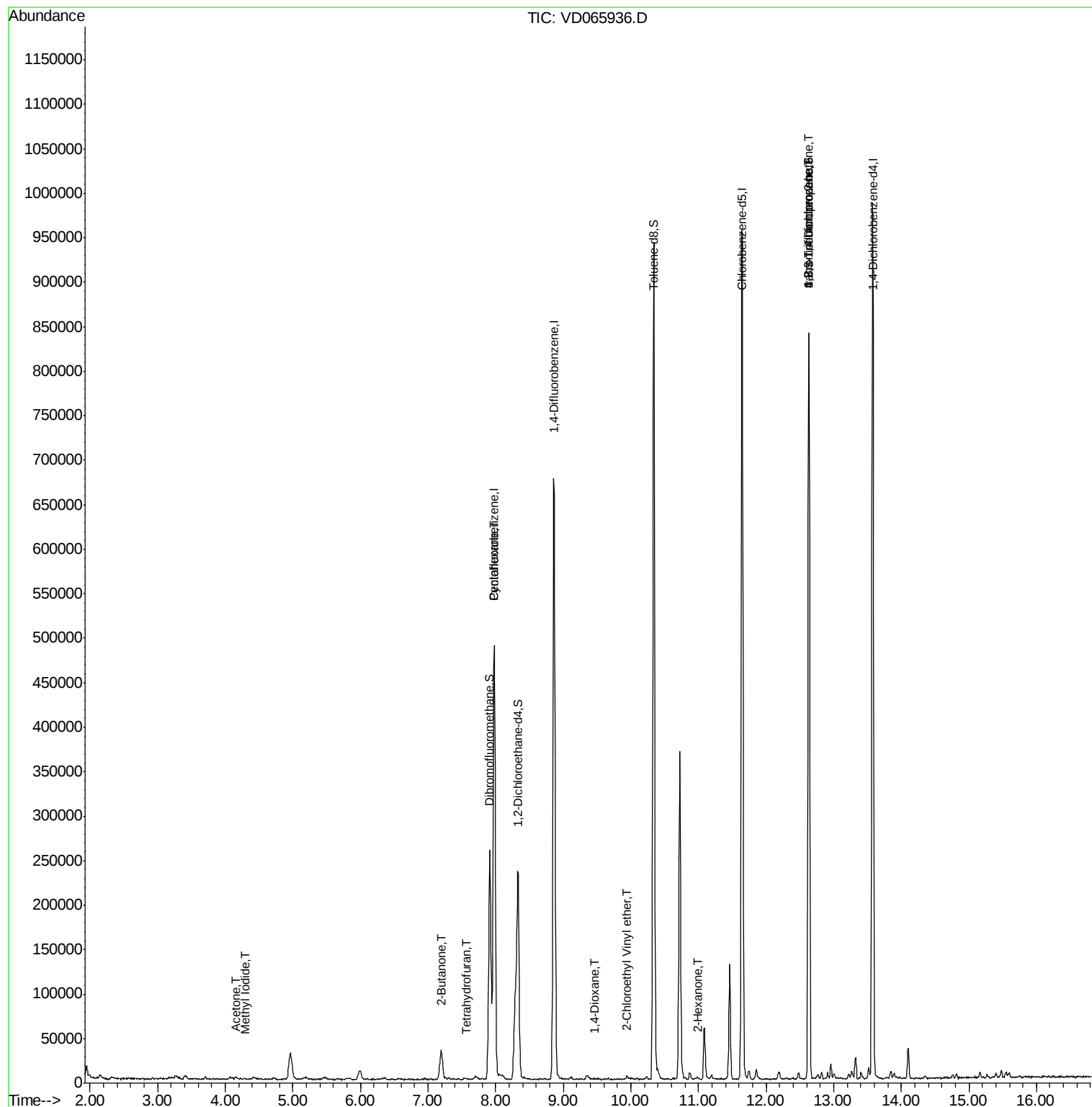
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	1197	2.783	ug/l #	47
11) Tert butyl alcohol	5.20	59	792	Below Cal	#	71
13) Acrolein	3.93	56	59	Below Cal	#	15
16) Acetone	4.16	43	3646	4.560	ug/l	95
20) Methylene Chloride	4.96	84	22340	Below Cal		87
25) 2-Butanone	7.20	43	3052	2.889	ug/l #	87
29) Tetrahydrofuran	7.57	42	789	1.174	ug/l #	61
31) Cyclohexane	7.98	56	8973	1.287	ug/l #	1
49) 1,4-Dioxane	9.47	88	56	2.160	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	2046	1.151	ug/l	89
59) 2-Hexanone	10.98	43	1717	1.036	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	113347	49.828	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	113347	107.066	ug/l #	12

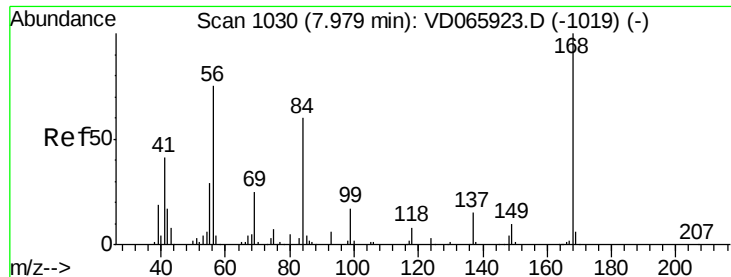
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070820\
Data File : VD065936.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

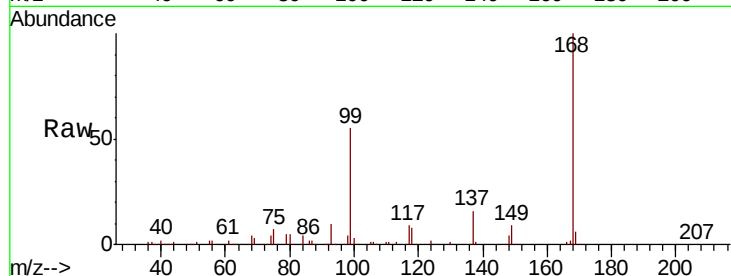
VD0708SBL01

Tot Ion:168 Resp: 384949

Ion Ratio Lower Upper

168 100

99 54.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

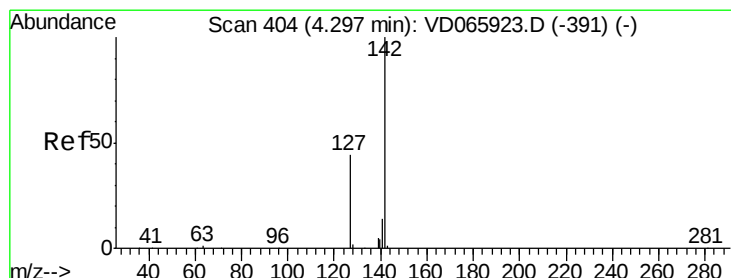
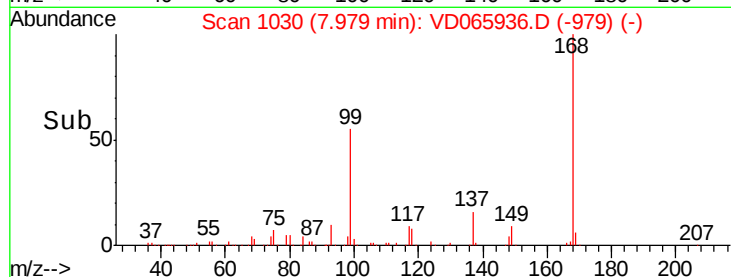
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.783 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

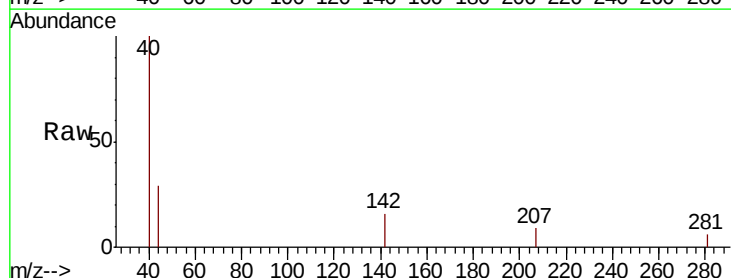
Tgt Ion:142 Resp: 1197

Ion Ratio Lower Upper

142 100

127 5.3 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

600

500

400

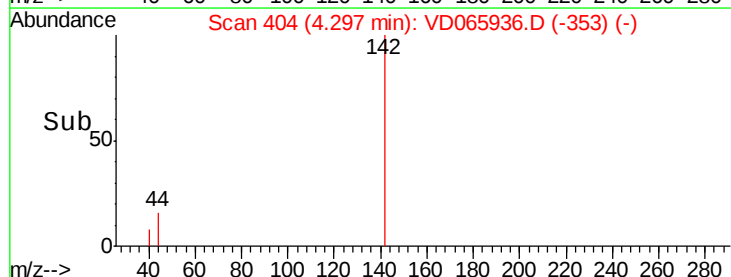
300

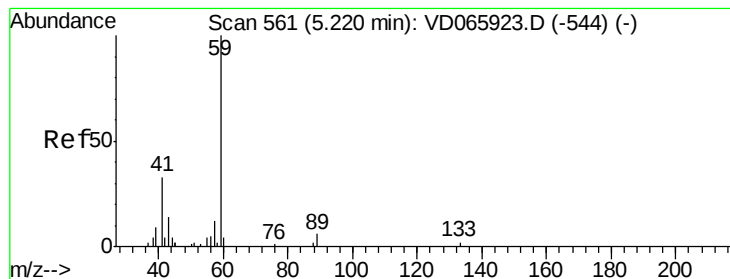
200

100

0

Time-->



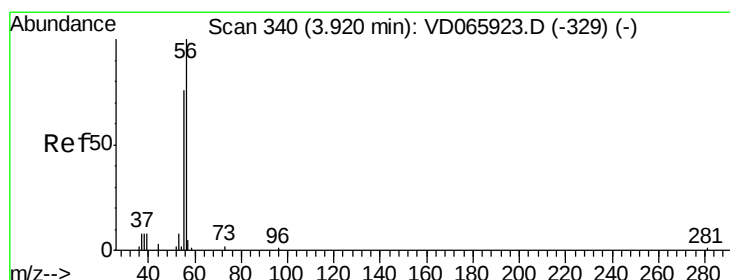
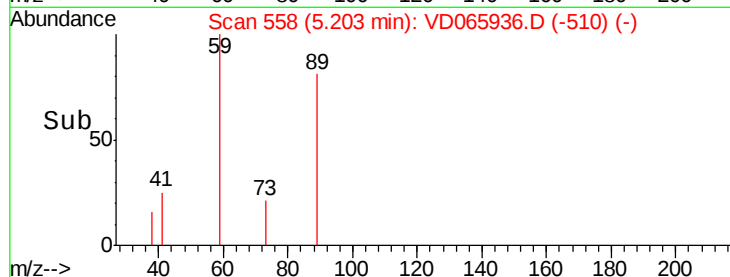
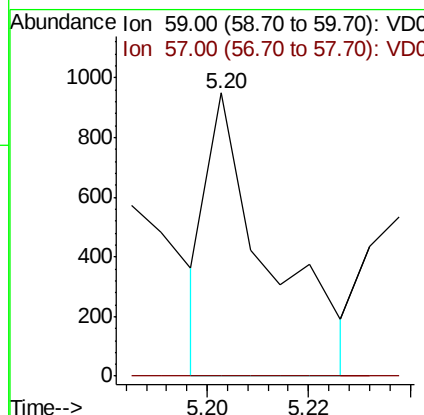
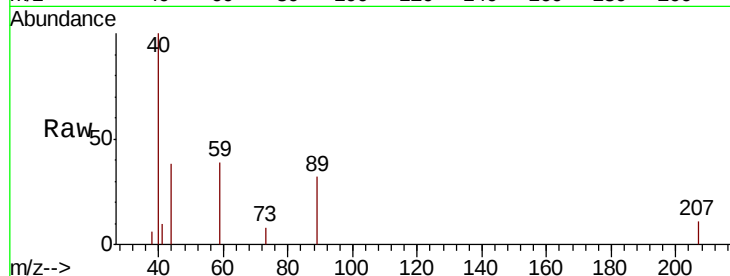


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD065936.D
Acq: 08 Jul 2020 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBL01

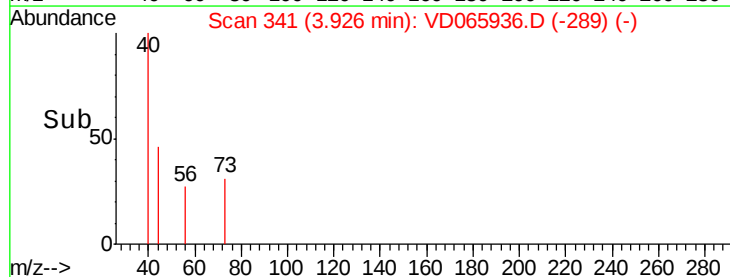
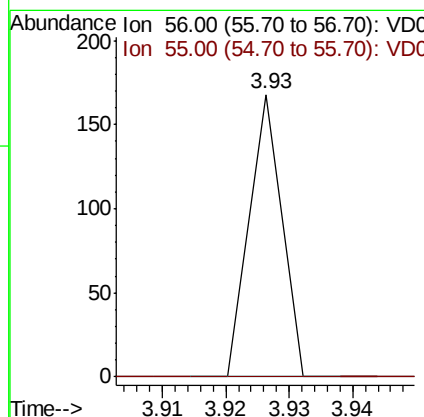
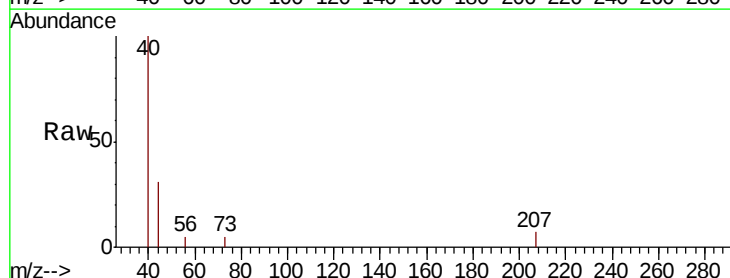
Tot Ion: 59 Resp: 792
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

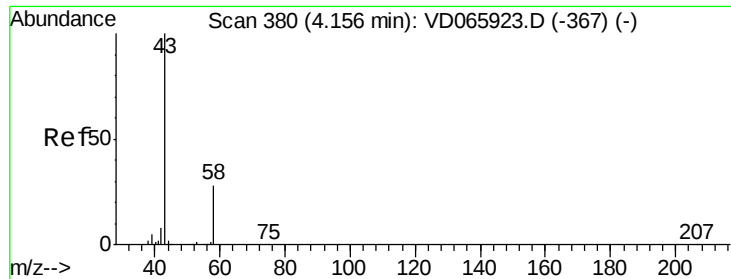


#13

Acrolein
Concen: Below Cal
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD065936.D
Acq: 08 Jul 2020 12:59

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#





#16

Acetone

Concen: 4.560 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

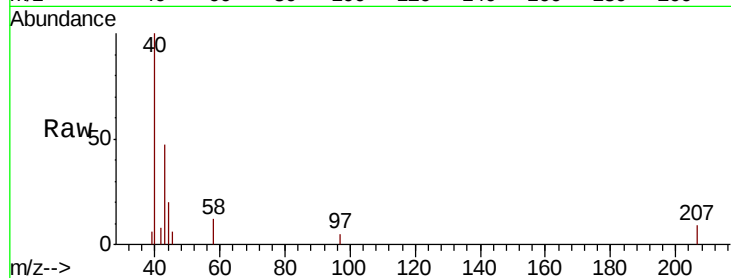
VD0708SBL01

Tot Ion: 43 Resp: 3646

Ion Ratio Lower Upper

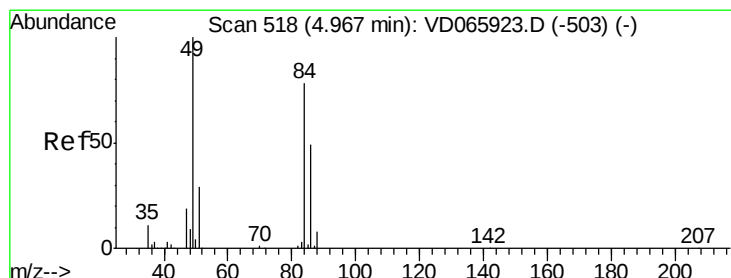
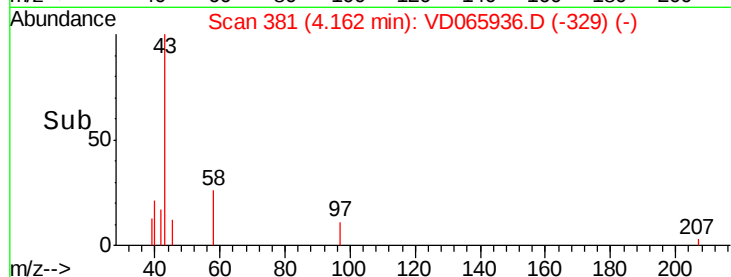
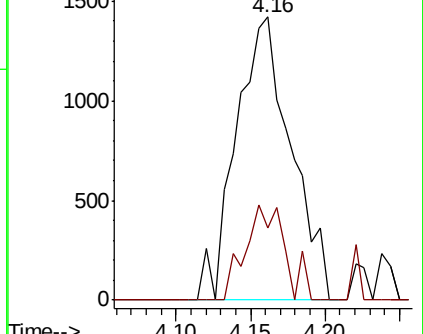
43 100

58 25.5 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

Tgt Ion: 84 Resp: 22340

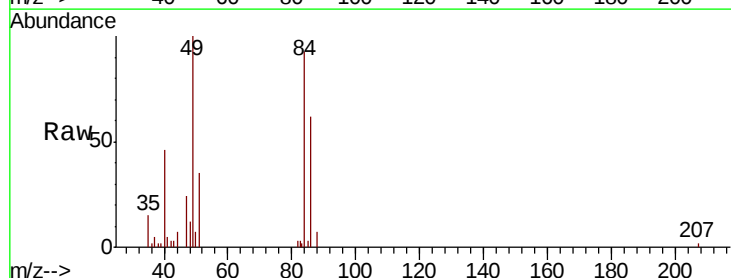
Ion Ratio Lower Upper

84 100

49 105.5 102.2 153.2

51 37.9 29.8 44.6

86 67.4 50.2 75.2

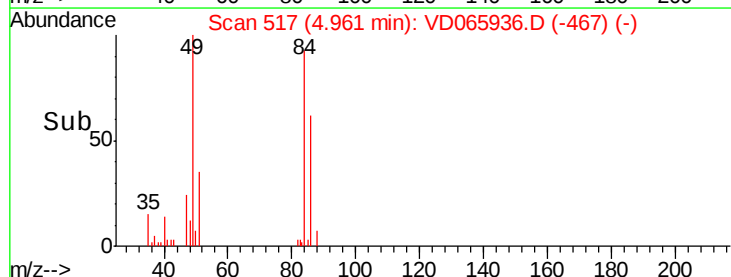
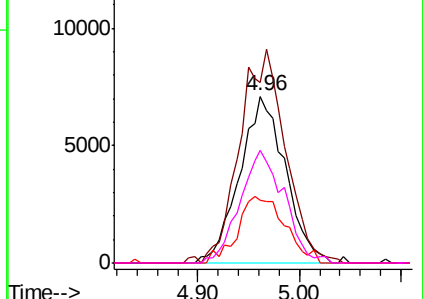


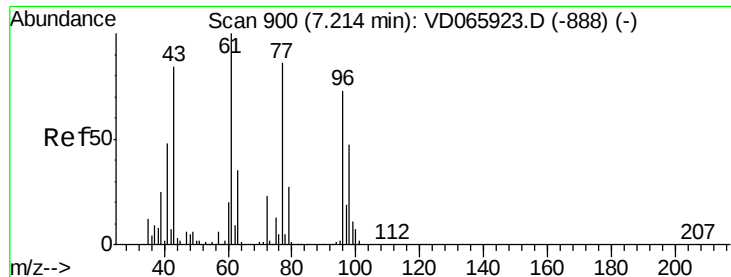
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 2.889 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

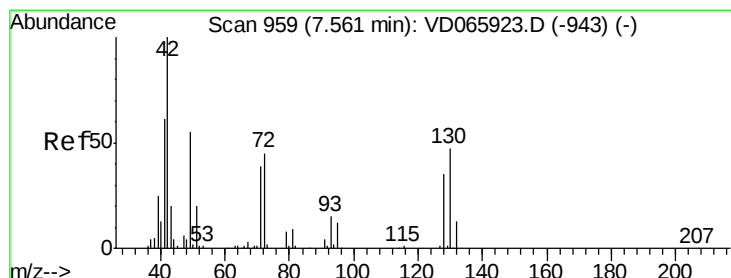
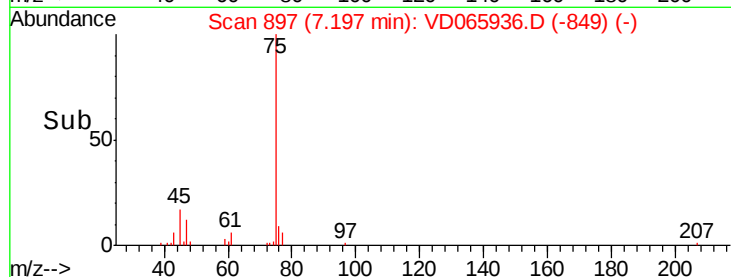
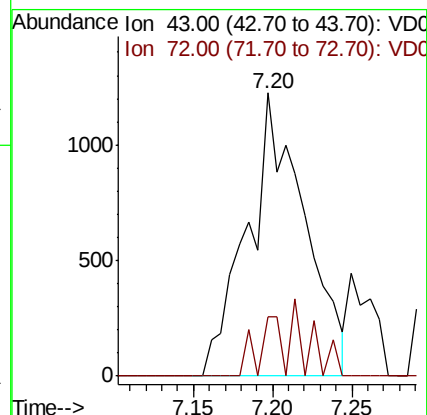
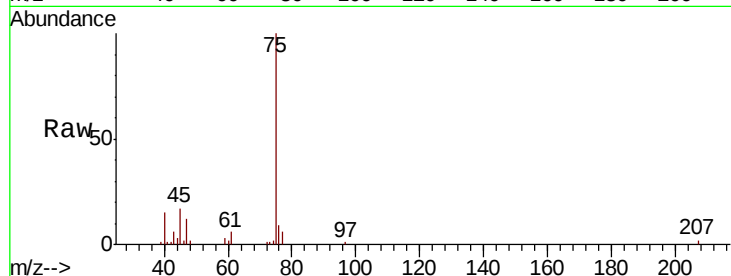
VD0708SBL01

Tot Ion: 43 Resp: 3052

Ion Ratio Lower Upper

43 100

72 20.8 22.1 33.1#



#29

Tetrahydrofuran

Concen: 1.174 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

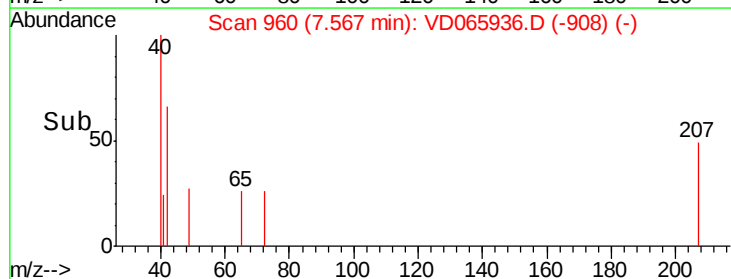
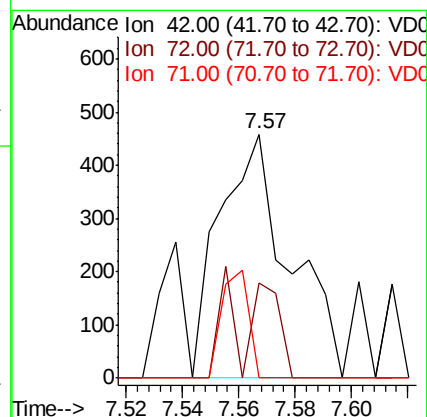
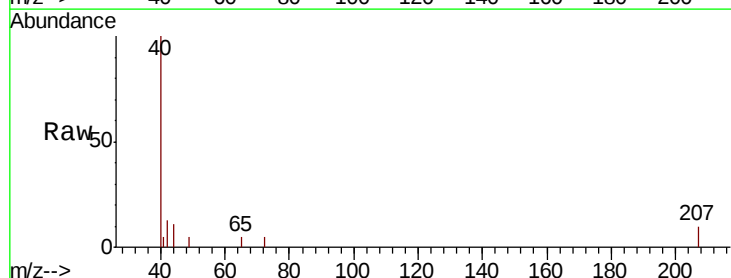
Tgt Ion: 42 Resp: 789

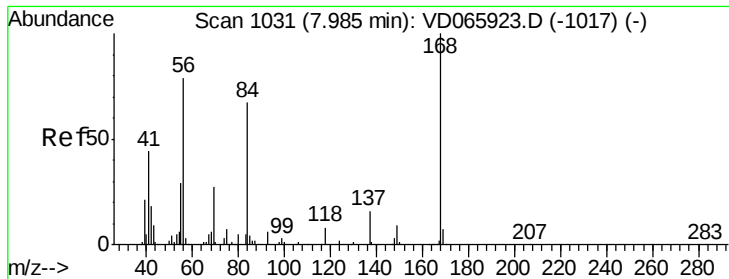
Ion Ratio Lower Upper

42 100

72 15.2 32.8 49.2#

71 16.9 31.0 46.4#





#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBL01

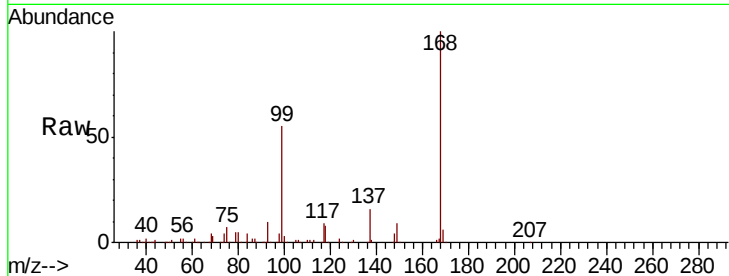
Tot Ion: 56 Resp: 8973

Ion Ratio Lower Upper

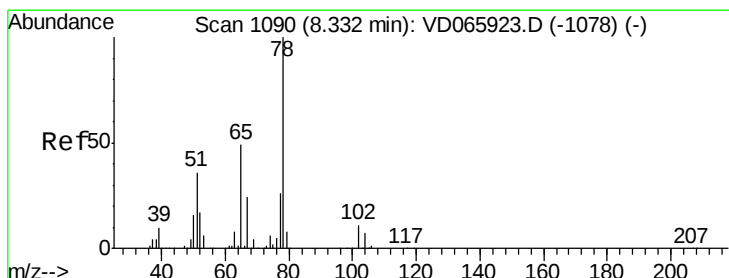
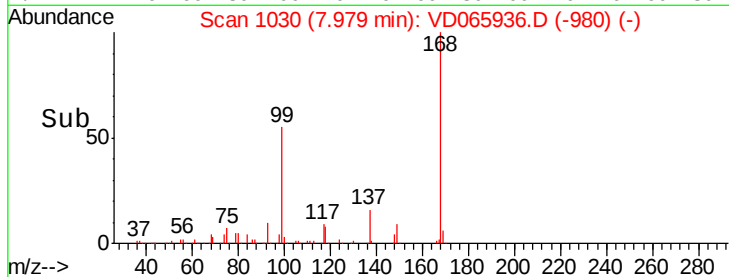
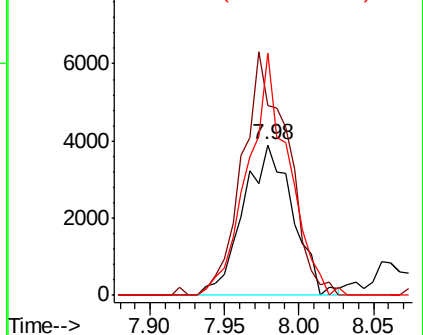
56 100

69 126.6 27.4 41.0#

84 161.3 68.6 102.8#



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: 51.140 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD065936.D

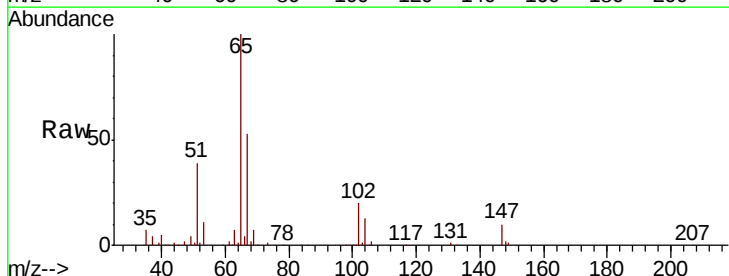
Acq: 08 Jul 2020 12:59

Tgt Ion: 65 Resp: 174464

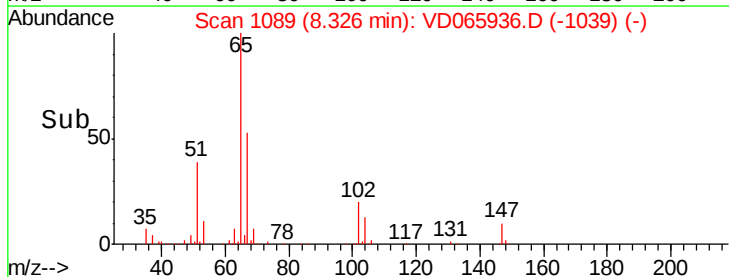
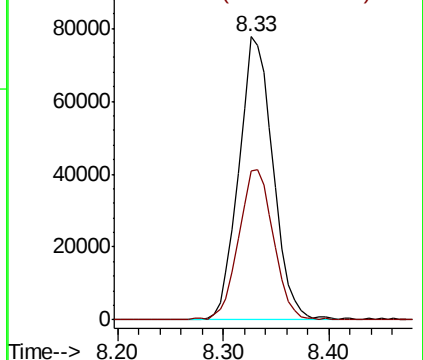
Ion Ratio Lower Upper

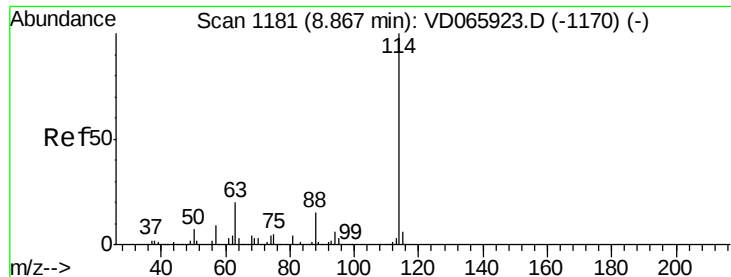
65 100

67 54.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

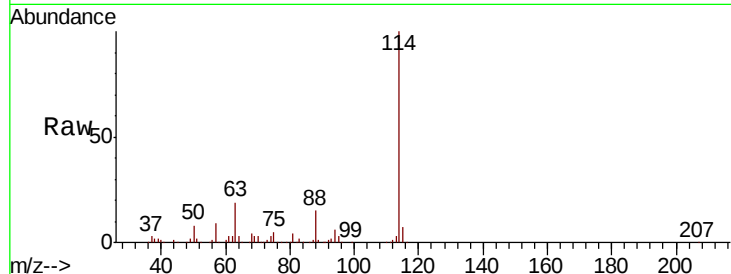




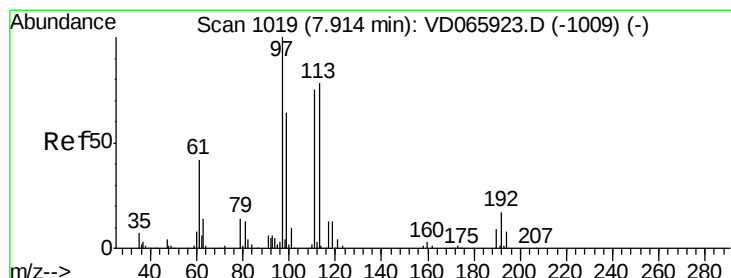
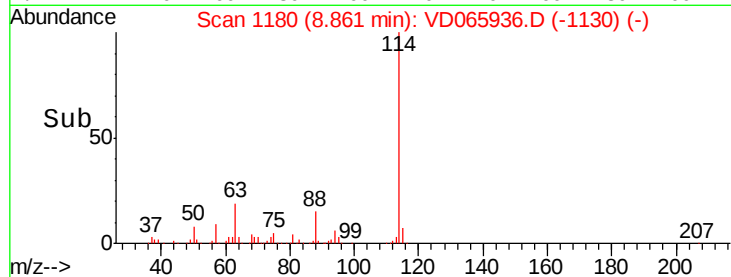
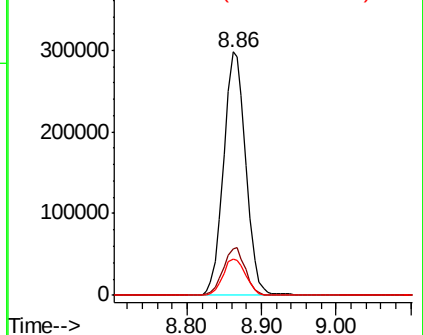
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065936.D
 Acq: 08 Jul 2020 12:59

Instrument :
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 VD0708SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.2
88	14.9	0.0	30.0

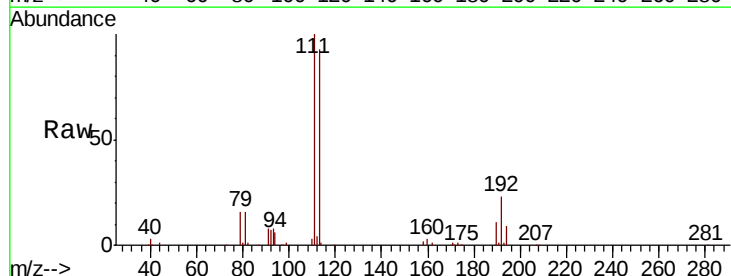


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

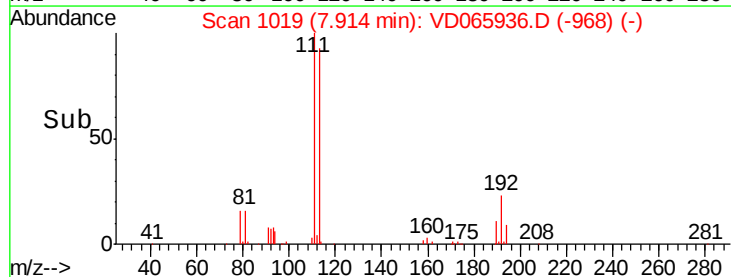
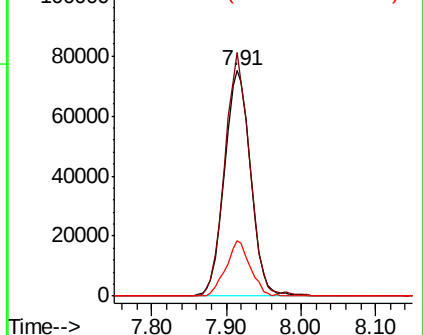


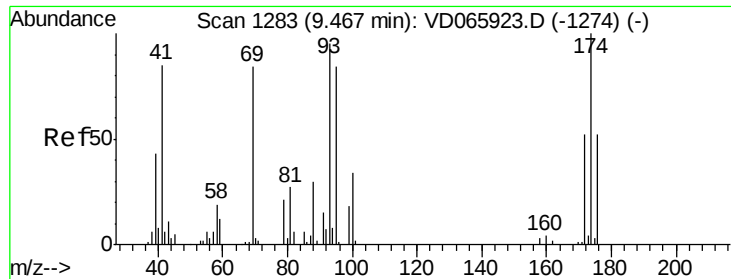
#35
 Dibromofluoromethane
 Concen: 48.255 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD065936.D
 Acq: 08 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.9	121.3
192	22.7	17.1	25.7



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

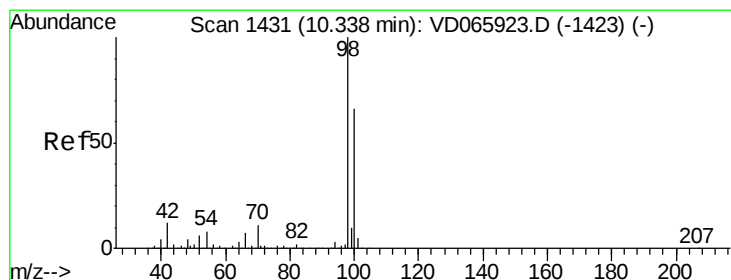
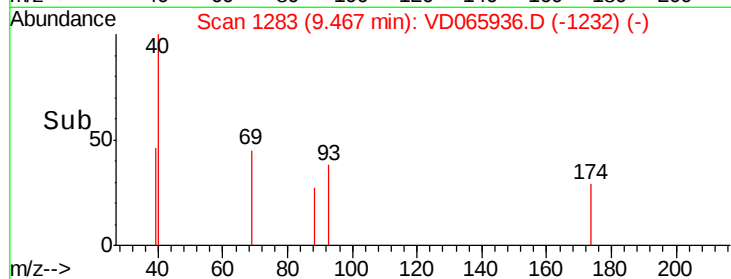
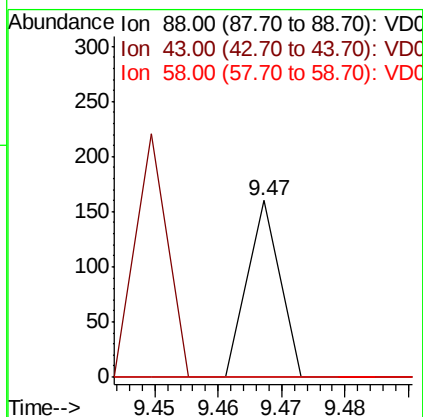
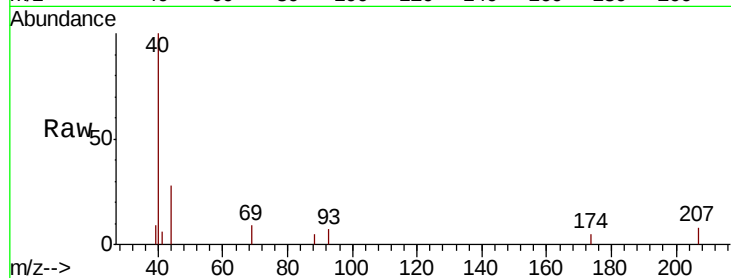




#49
 1,4-Dioxane
 Concen: 2.160 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD065936.D
 Acq: 08 Jul 2020 12:59

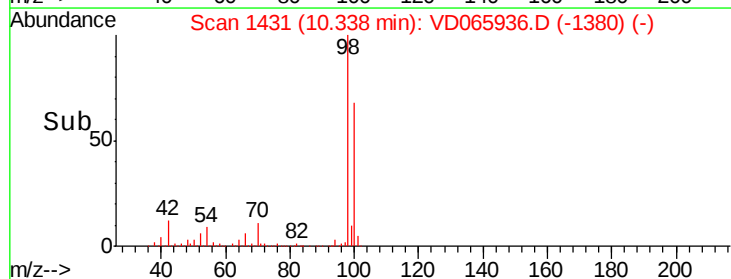
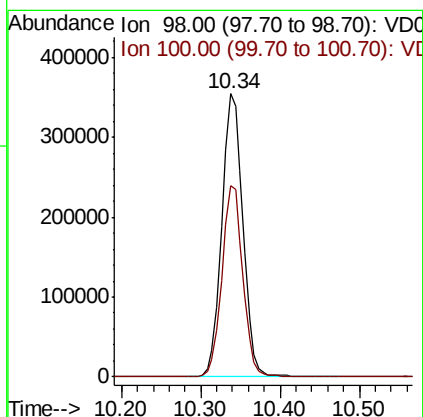
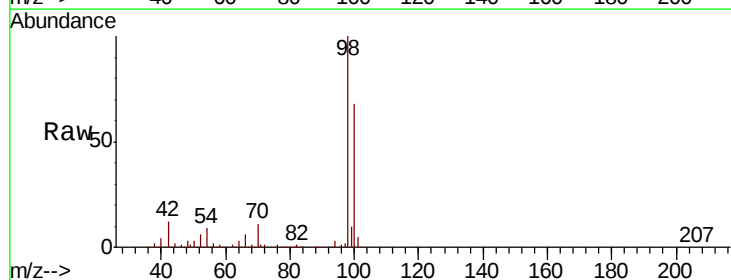
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBL01

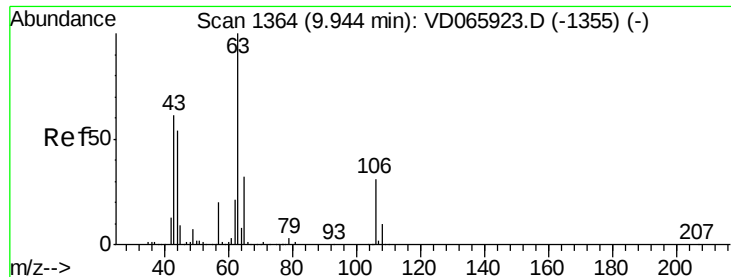
Tot Ion: 88 Resp: 56
 Ion Ratio Lower Upper
 88 100
 43 139.3 28.2 42.4#
 58 0.0 58.6 87.8#



#50
 Toluene-d8
 Concen: 46.746 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD065936.D
 Acq: 08 Jul 2020 12:59

Tgt Ion: 98 Resp: 651145
 Ion Ratio Lower Upper
 98 100
 100 66.8 53.1 79.7

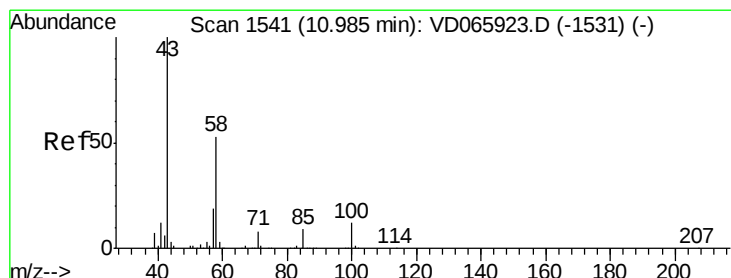
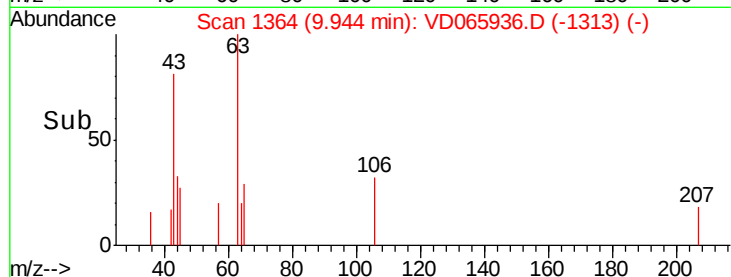
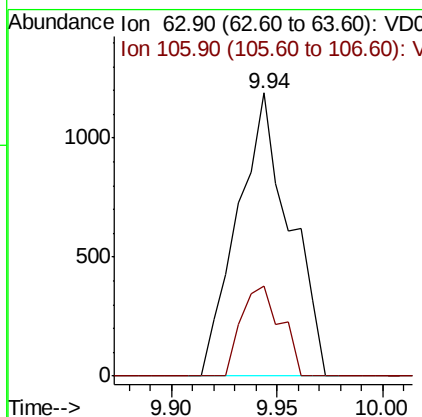
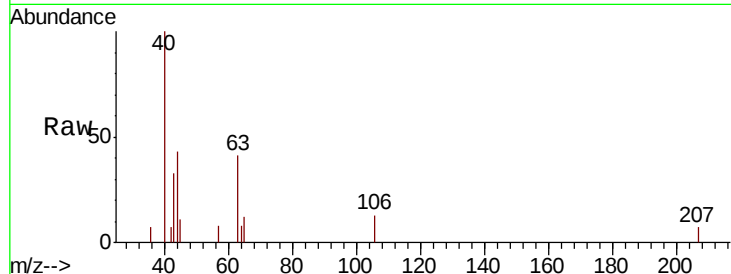




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.151 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065936.D
 Acq: 08 Jul 2020 12:59

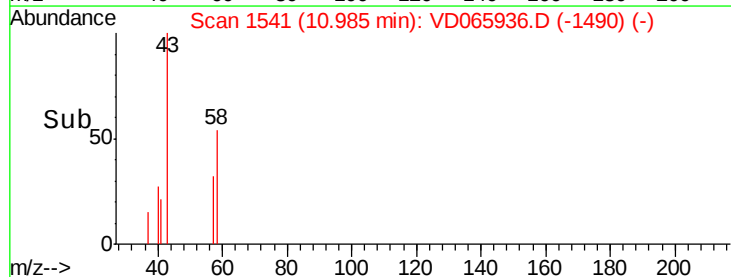
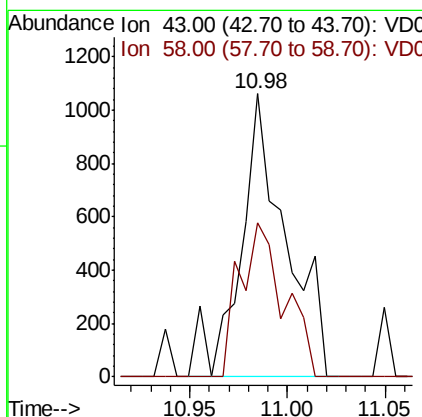
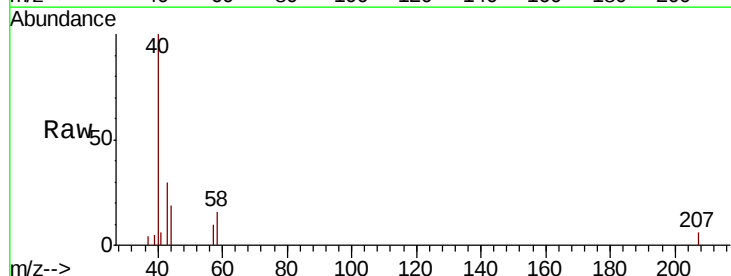
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0708SBL01

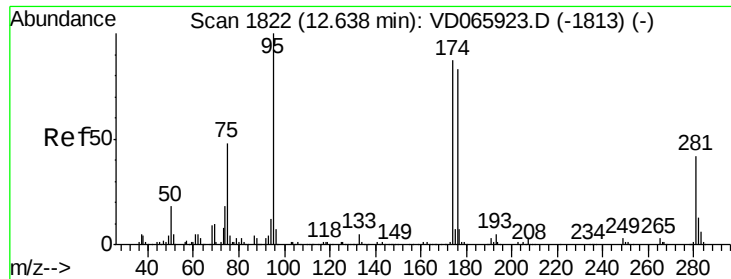
Tot Ion: 63 Resp: 2046
 Ion Ratio Lower Upper
 63 100
 106 23.9 23.8 35.6



#59
 2-Hexanone
 Concen: 1.036 ug/l
 RT: 10.98 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: VD065936.D
 Acq: 08 Jul 2020 12:59

Tgt Ion: 43 Resp: 1717
 Ion Ratio Lower Upper
 43 100
 58 53.3 26.6 79.8

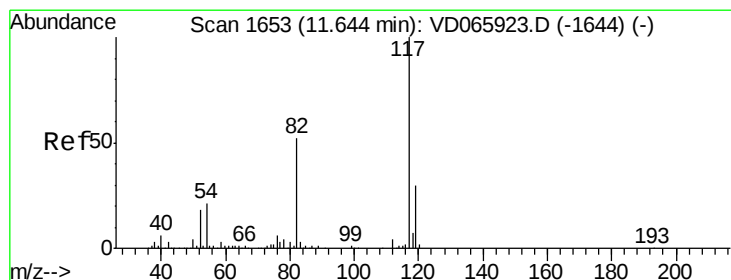
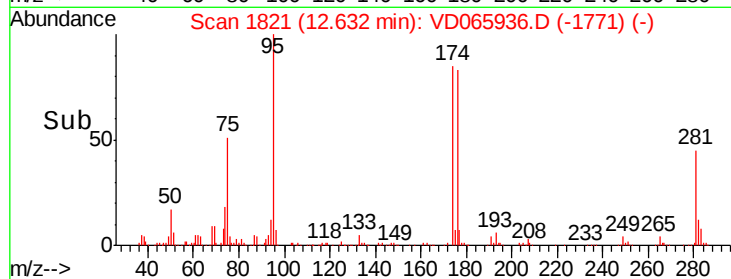
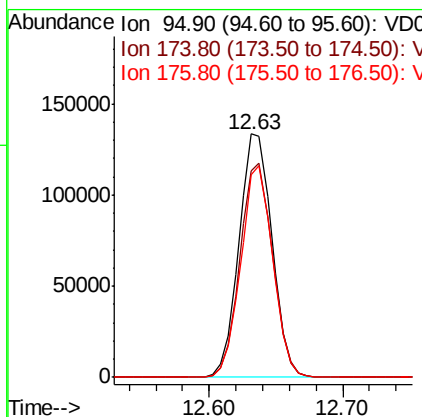
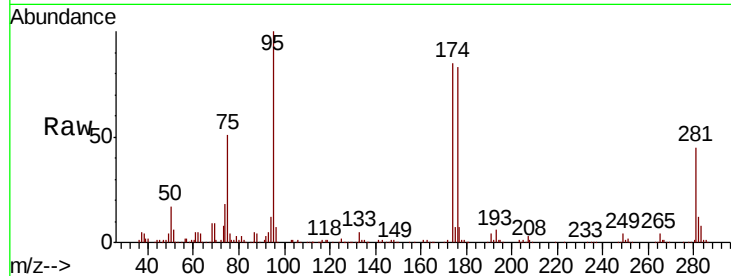




#62
4-Bromofluorobenzene
Concen: 47.642 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD065936.D
Acq: 08 Jul 2020 12:59

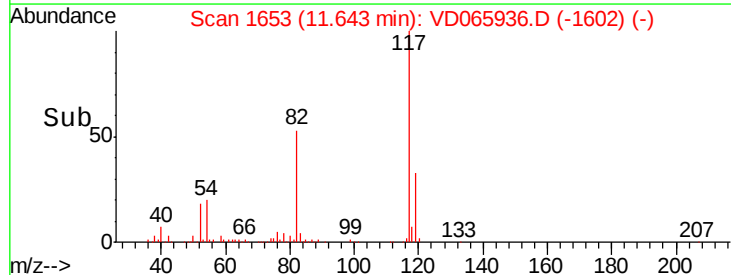
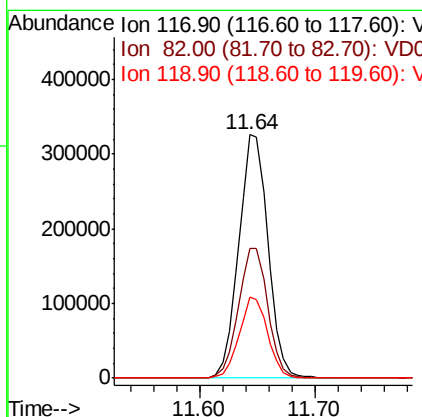
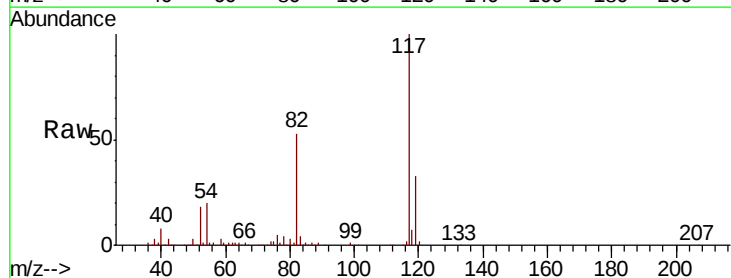
Instrument :
MSVOA_D
ClientSampleId :
VD0708SBL01

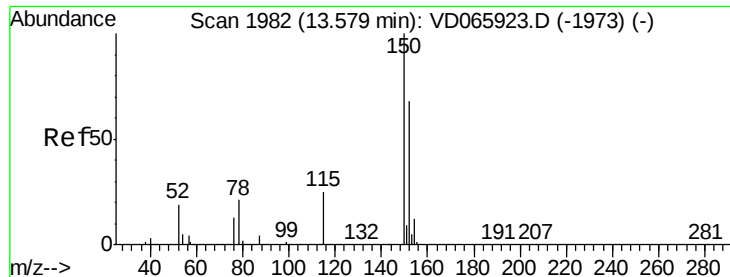
Tot Ion: 95 Resp: 227894
Ion Ratio Lower Upper
95 100
174 87.2 0.0 169.4
176 83.8 0.0 164.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD065936.D
Acq: 08 Jul 2020 12:59

Tgt Ion: 117 Resp: 572324
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 33.1 24.3 36.5



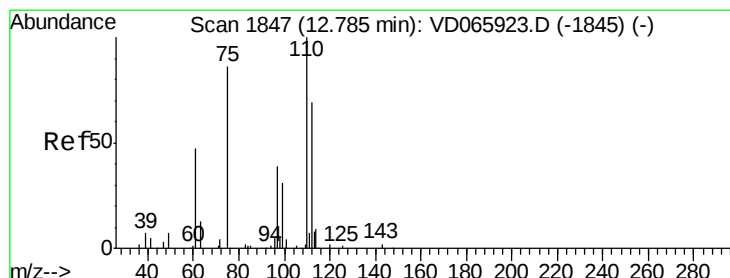
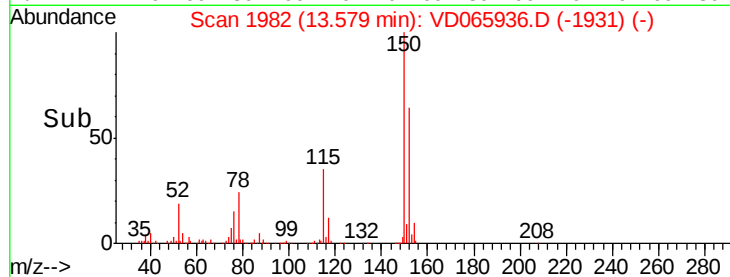
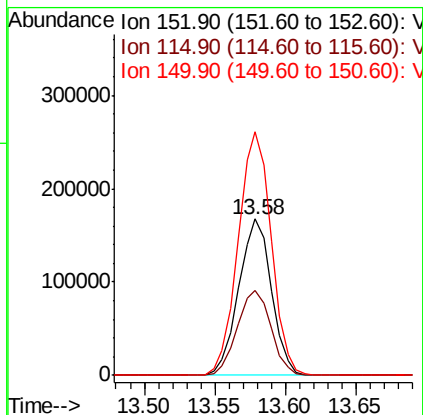
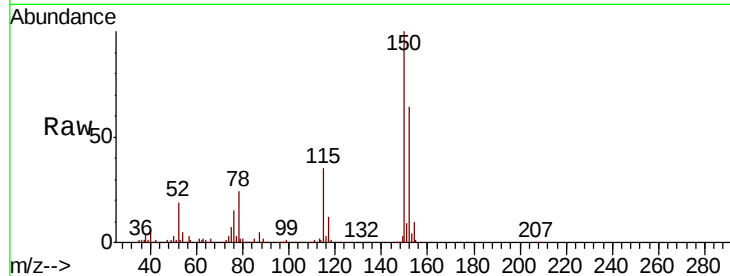


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065936.D
Acq: 08 Jul 2020 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0708SBL01

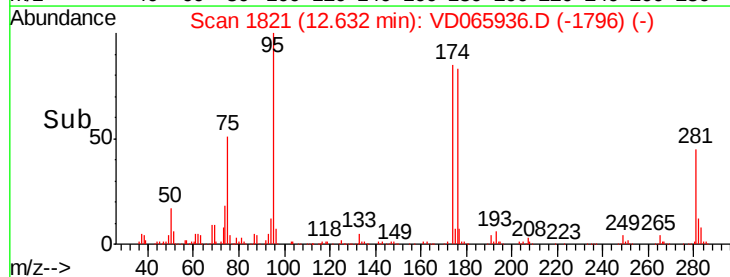
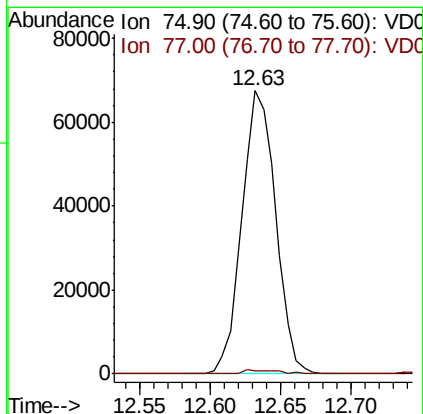
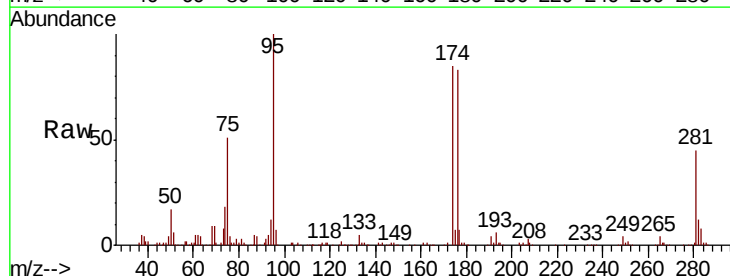
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.1	27.8	83.3
150	157.5	0.0	347.2

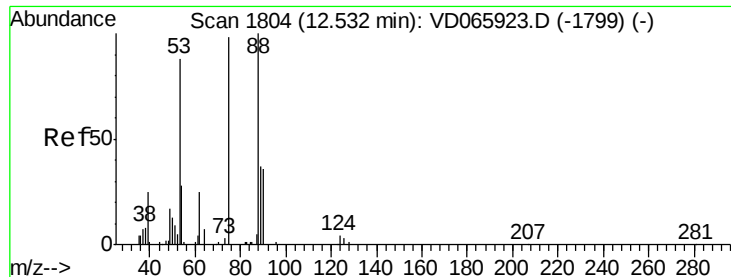


#76

1,2,3-Trichloropropane
Concen: 49.828 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD065936.D
Acq: 08 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.066 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065936.D

Acq: 08 Jul 2020 12:59

Instrument :

MSVOA_D

ClientSampleId :

VD0708SBL01

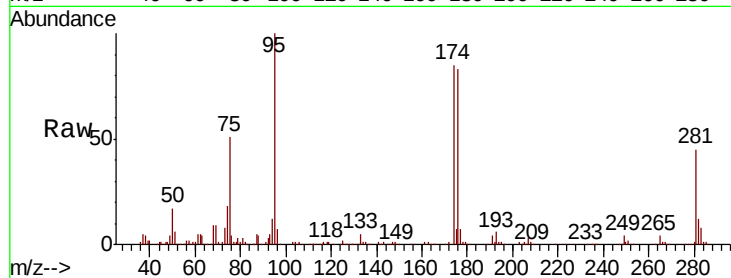
Tot Ion: 75 Resp: 113347

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.5 37.5 56.3#



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

