

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065968.D
 Acq On : 16 Jul 2020 20:19
 Operator : VA/SY
 Sample : L3308-08
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 8

Quant Time: Jul 17 03:40:49 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	332357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	591960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	289437	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	159123	54.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.04%	
35) Dibromofluoromethane	7.92	113	182015	49.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.68%	
50) Toluene-d8	10.34	98	714783	53.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.30%	
62) 4-Bromofluorobenzene	12.64	95	261951	57.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	114.50%	

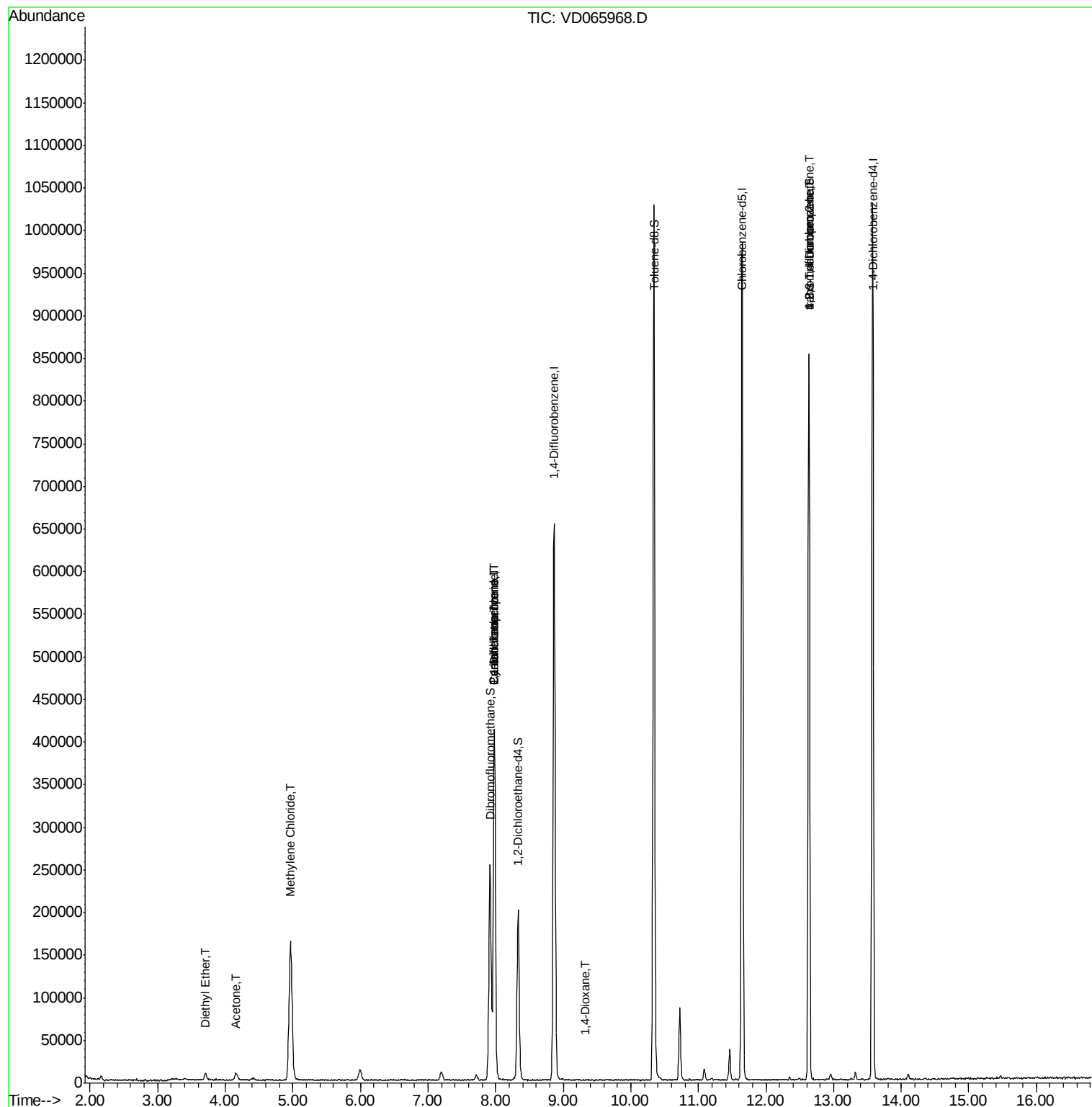
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	3891	2.461	ug/l	68
11) Tert butyl alcohol	5.22	59	54	Below Cal	#	71
13) Acrolein	3.66	56	69	Below Cal	#	53
16) Acetone	4.16	43	15145	21.940	ug/l	90
20) Methylene Chloride	4.96	84	126894	29.857	ug/l	94
31) Cyclohexane	7.98	56	6202	1.031	ug/l #	15
36) 1,1-Dichloropropene	7.98	75	22671	3.878	ug/l #	51
38) Carbon Tetrachloride	7.98	117	30531	4.872	ug/l #	19
49) 1,4-Dioxane	9.32	88	101	4.073	ug/l #	4
76) 1,2,3-Trichloropropane	12.63	75	126500	52.101	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	126500	111.949	ug/l #	11

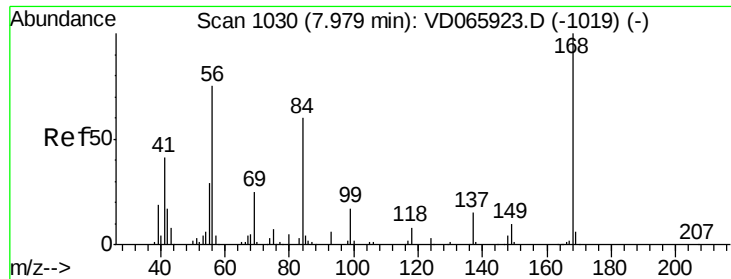
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

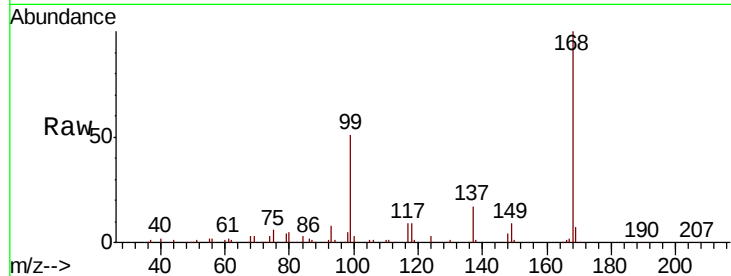
Instrument :
MSVOA_D
ClientSampled :
8

Tot Ion:168 Resp: 332357

Ion Ratio Lower Upper

168 100

99 50.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

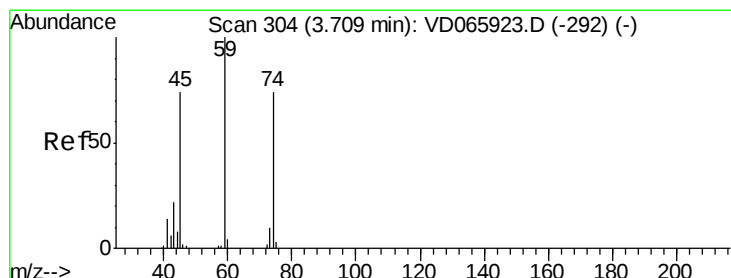
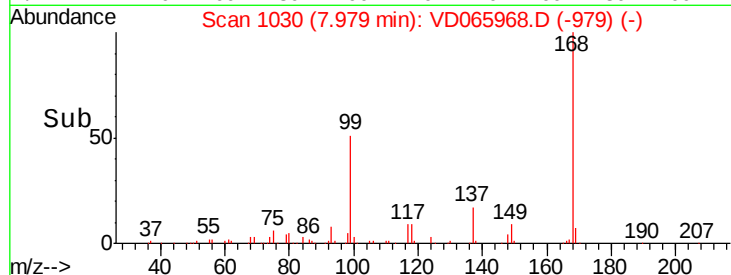
100000

50000

0

Time-->

7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.461 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD065968.D

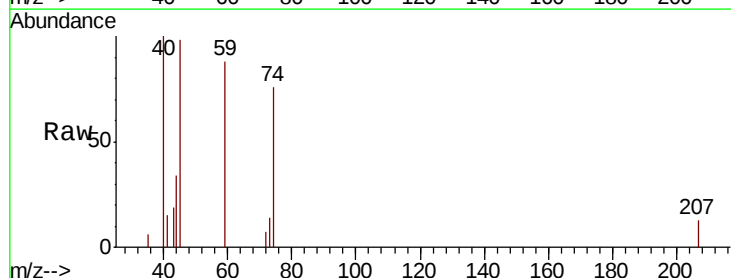
Acq: 16 Jul 2020 20:19

Tgt Ion: 74 Resp: 3891

Ion Ratio Lower Upper

74 100

45 134.1 51.1 153.3



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

3000

2500

2000

1500

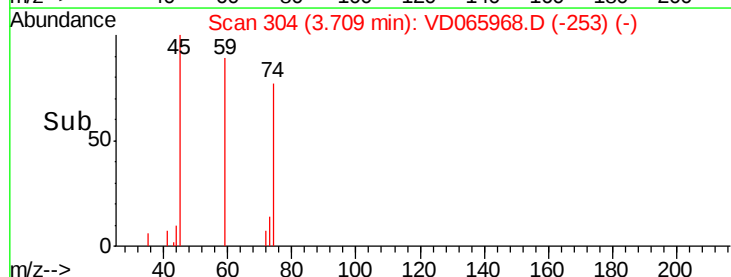
1000

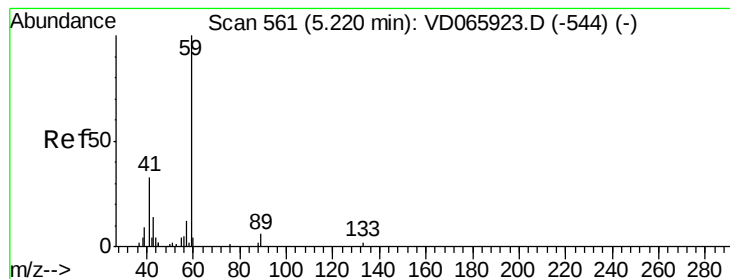
500

0

Time-->

3.65 3.70 3.75



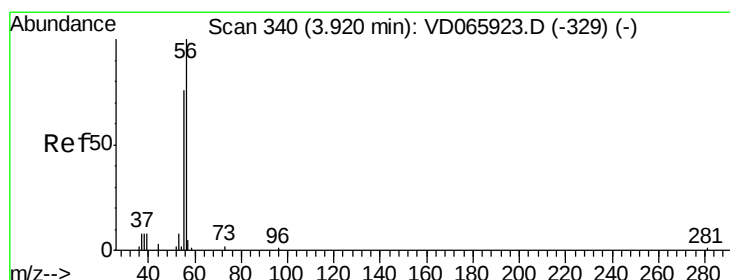
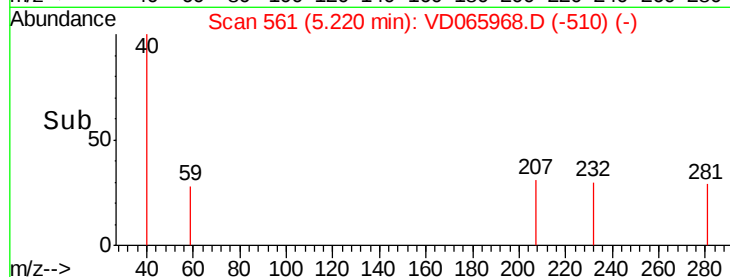
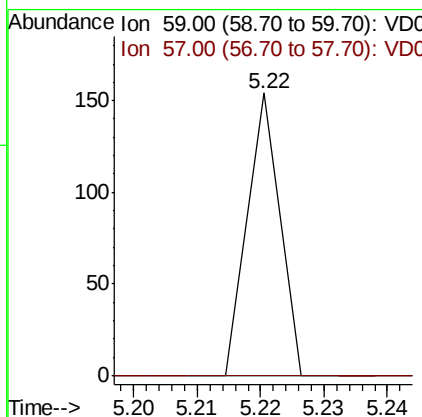
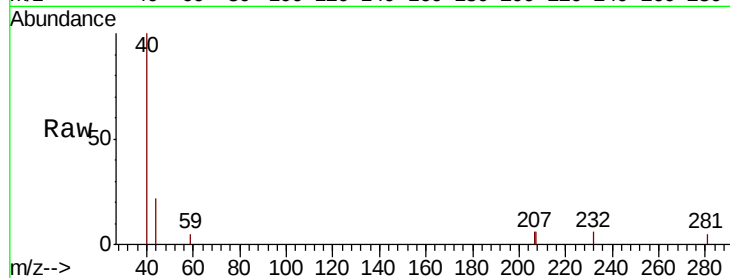


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleID :
 8

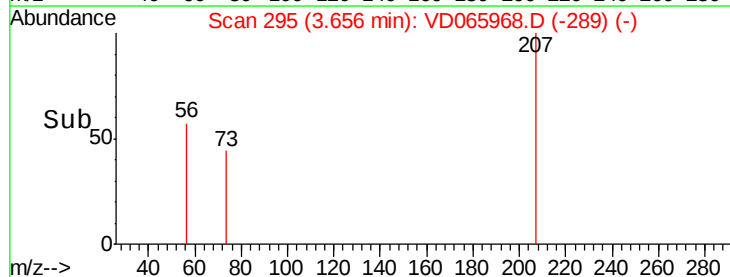
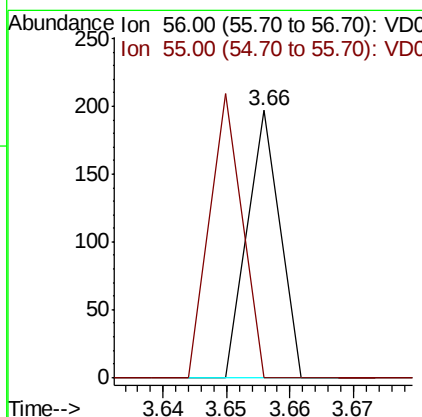
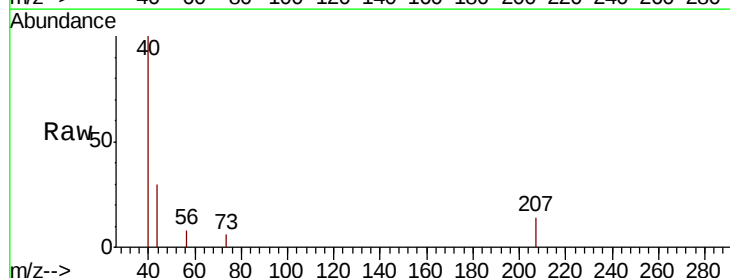
Tot Ion: 59 Resp: 54
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

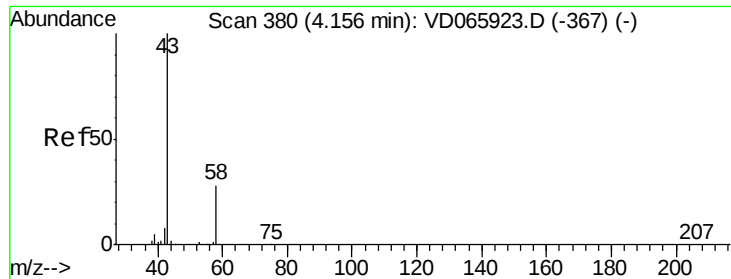


#13

Acrolein
 Concen: Below Cal
 RT: 3.66 min Scan# 295
 Delta R.T. -0.26 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

Tgt Ion: 56 Resp: 69
 Ion Ratio Lower Upper
 56 100
 55 107.2 55.0 82.6#





#16

Acetone

Concen: 21.940 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Instrument :

MSVOA_D

ClientSampled :

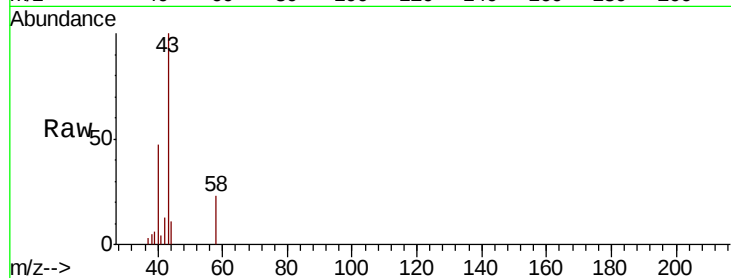
8

Tot Ion: 43 Resp: 15145

Ion Ratio Lower Upper

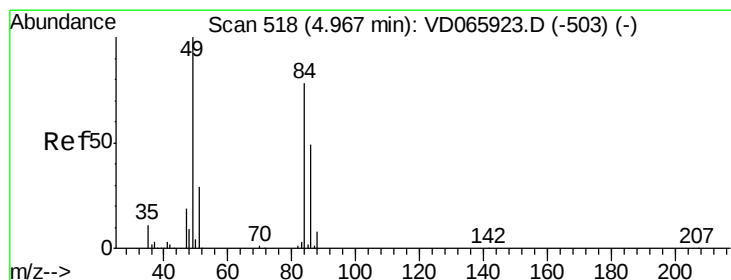
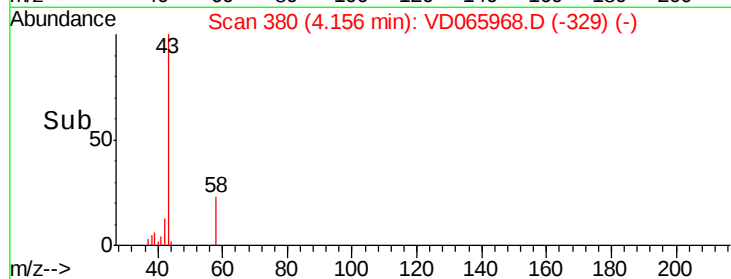
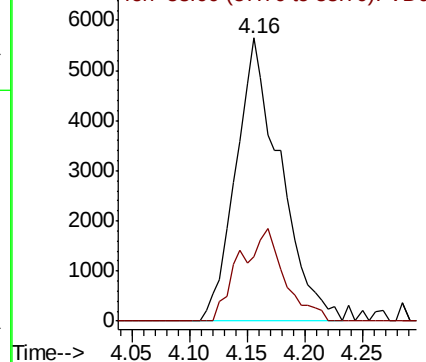
43 100

58 22.9 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: 29.857 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Tgt Ion: 84 Resp: 126894

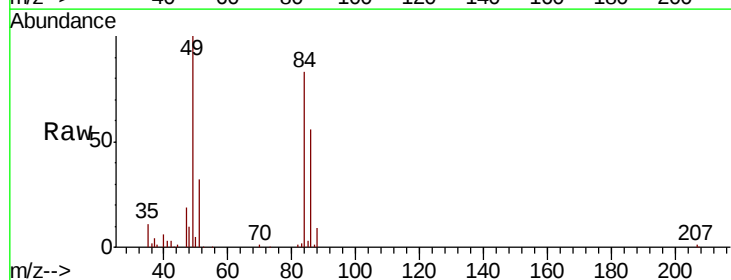
Ion Ratio Lower Upper

84 100

49 120.7 102.2 153.2

51 38.7 29.8 44.6

86 67.7 50.2 75.2

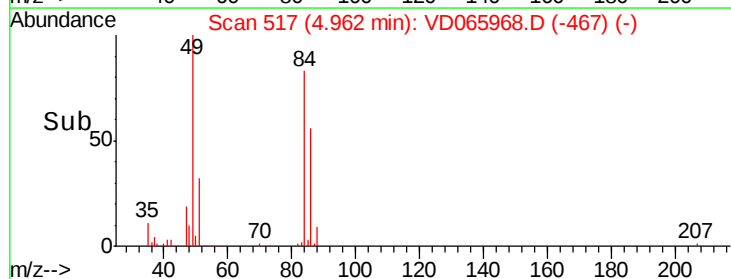
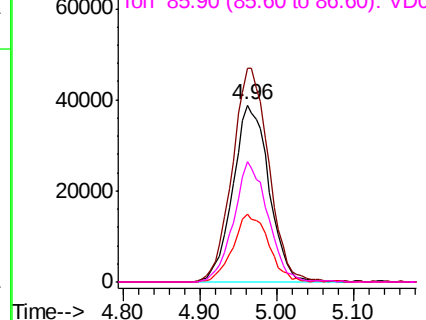


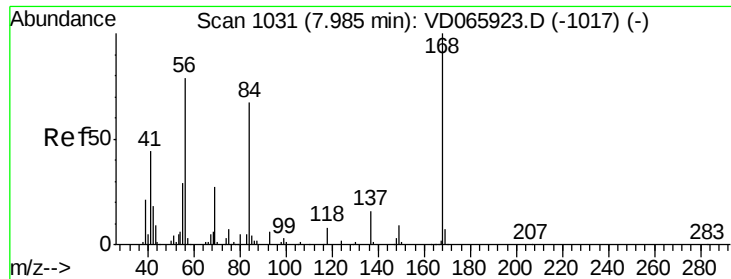
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

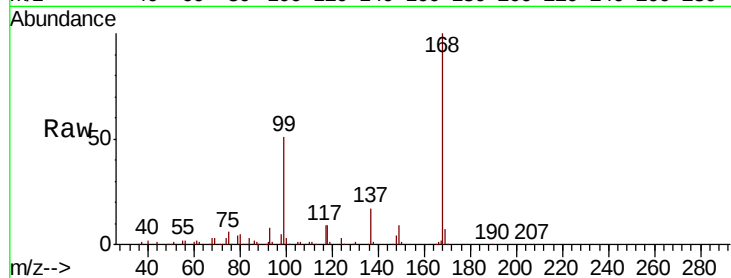




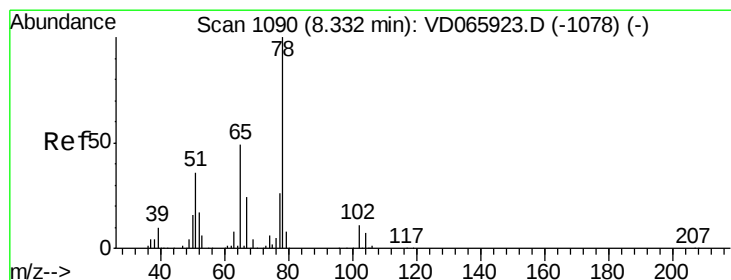
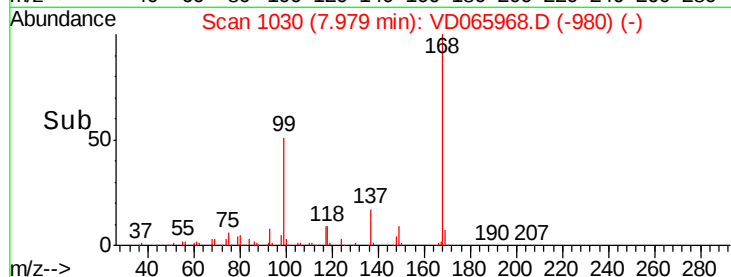
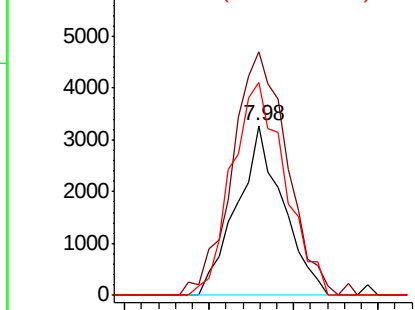
#31
Cyclohexane
Concen: 1.031 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

Instrument :
MSVOA_D
ClientSampled :
8

Tot Ion: 56 Resp: 6202
Ion Ratio Lower Upper
56 100
69 143.2 27.4 41.0#
84 125.1 68.6 102.8#

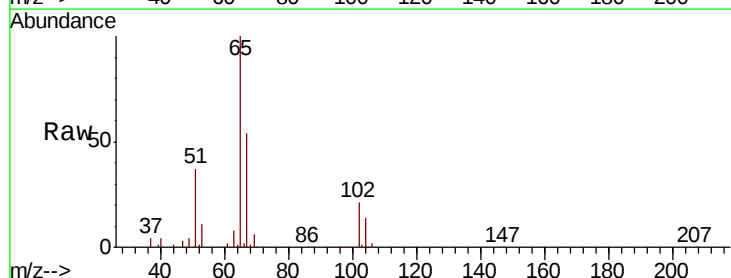


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

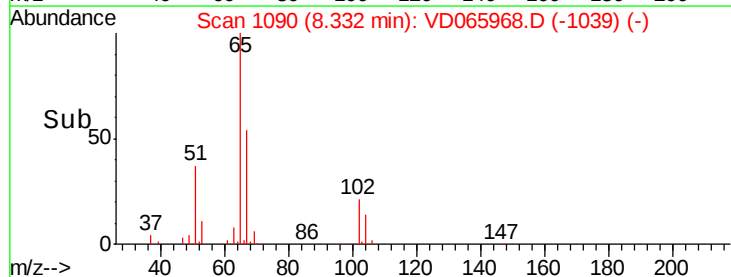
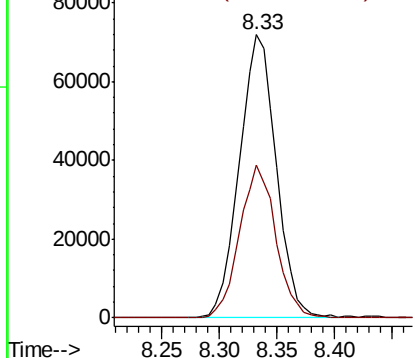


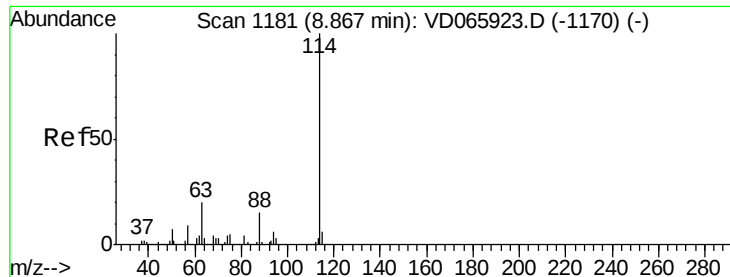
#33
1,2-Dichloroethane-d4
Concen: 54.024 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

Tgt Ion: 65 Resp: 159123
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6



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

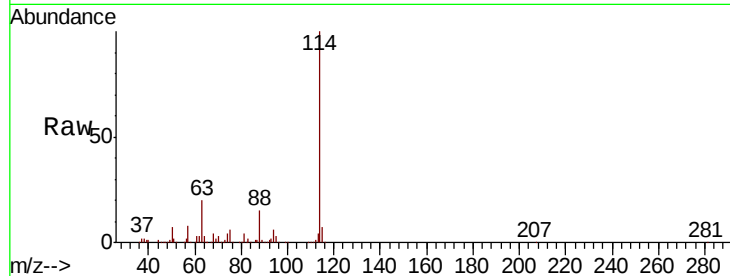




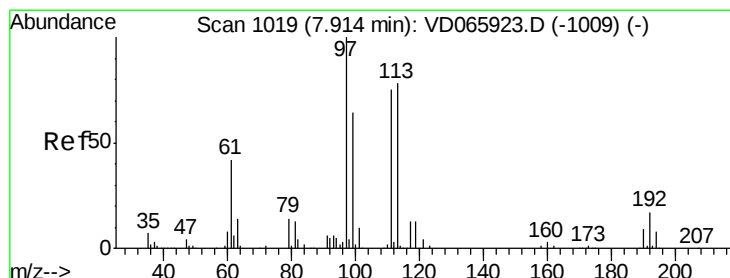
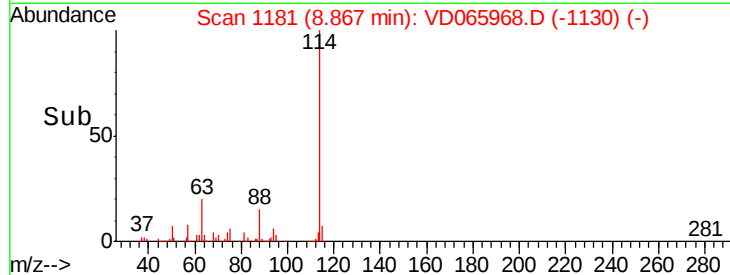
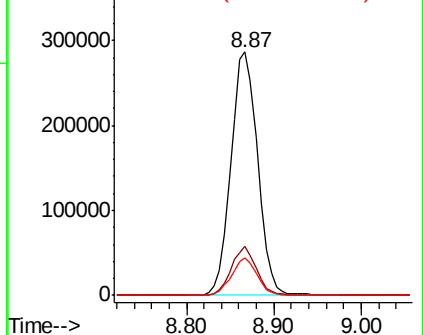
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

Instrument :
 MSVOA_D
 ClientSampleId :
 8

Tot Ion:114	Resp:	591960
Ion	Ratio	Lower Upper
114	100	
63	20.0	0.0 39.2
88	15.2	0.0 30.0

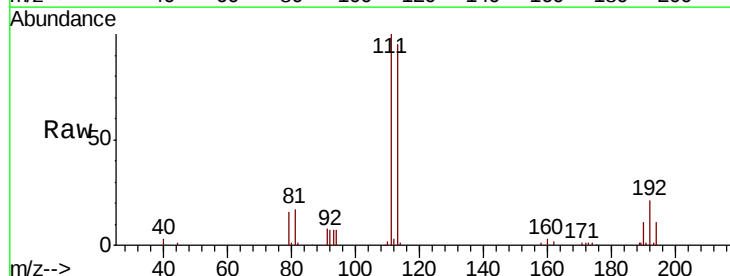


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

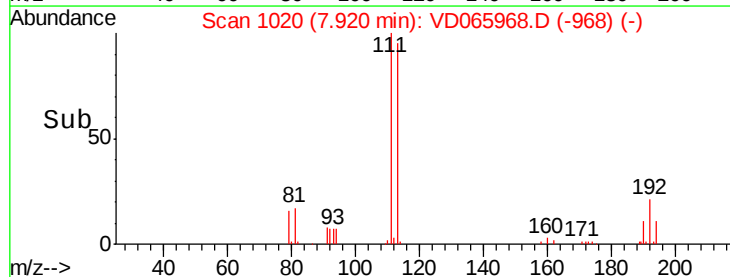
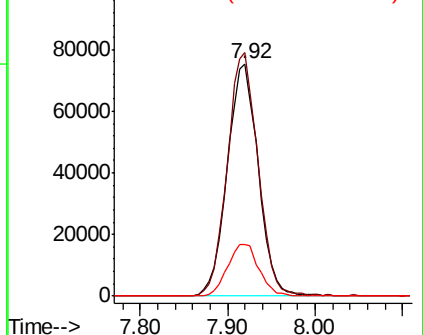


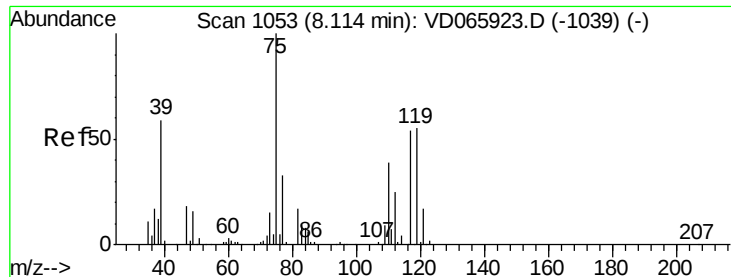
#35
 Dibromofluoromethane
 Concen: 49.843 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

Tgt Ion:113	Resp:	182015
Ion	Ratio	Lower Upper
113	100	
111	103.2	80.9 121.3
192	22.6	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

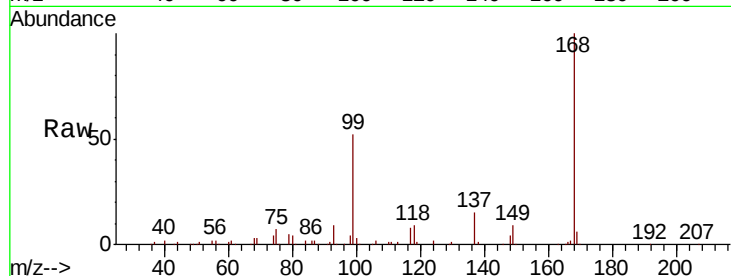




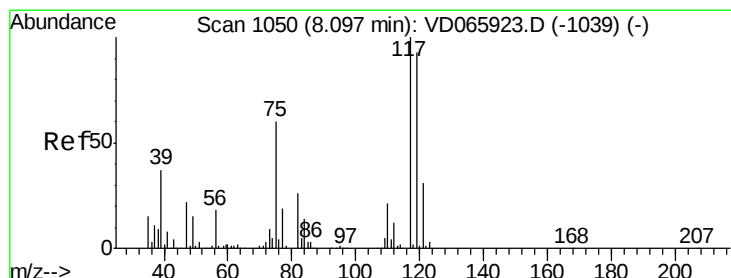
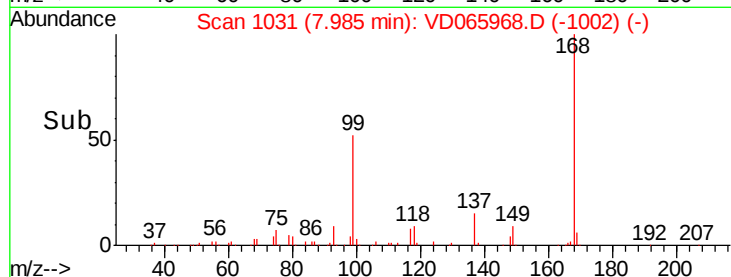
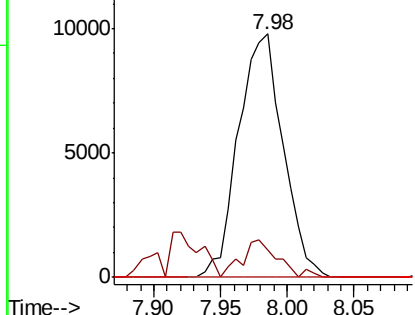
#36
 1,1-Dichloropropene
 Concen: 3.878 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

Instrument :
 MSVOA_D
 ClientSampled :
 8

Tot Ion: 75 Resp: 22671
 Ion Ratio Lower Upper
 75 100
 110 11.7 18.5 55.5#
 77 0.0 25.6 38.4#

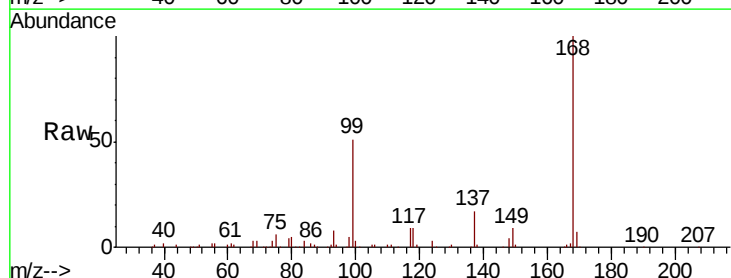


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

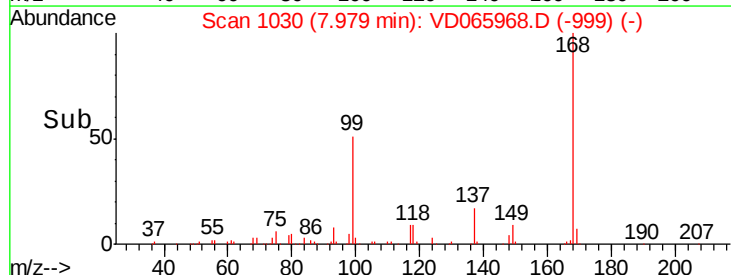
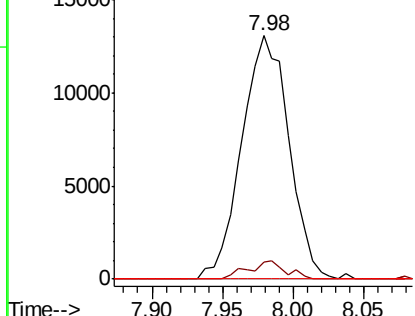


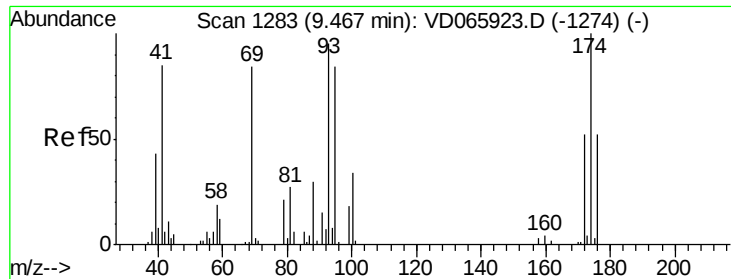
#38
 Carbon Tetrachloride
 Concen: 4.872 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065968.D
 Acq: 16 Jul 2020 20:19

Tgt Ion: 117 Resp: 30531
 Ion Ratio Lower Upper
 117 100
 119 7.2 74.7 112.1#
 121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 4.073 ug/l

RT: 9.32 min Scan# 1258

Delta R.T. -0.15 min

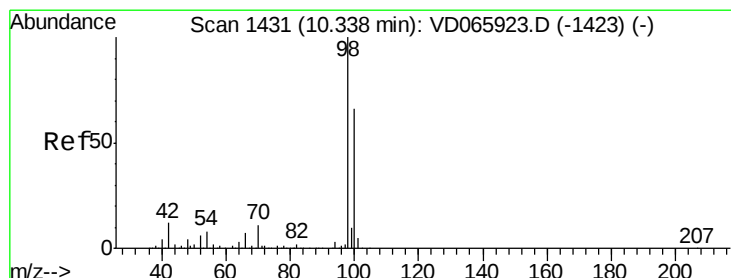
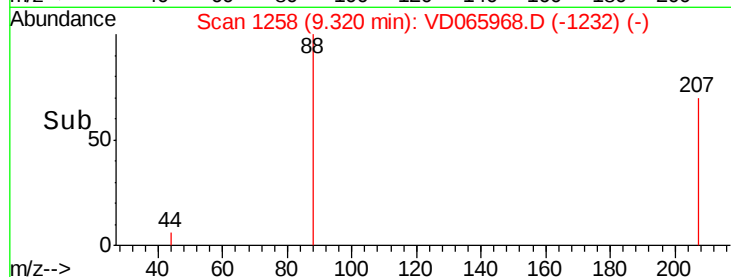
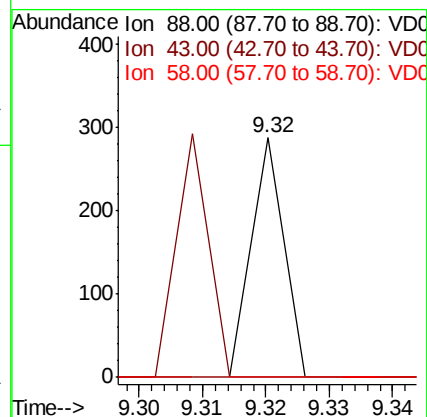
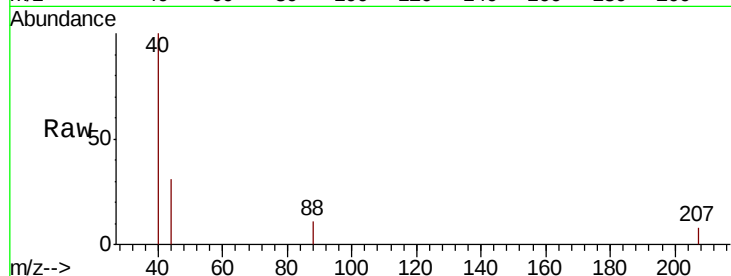
Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
8

Tot Ion: 88 Resp: 101

Ion	Ratio	Lower	Upper
88	100		
43	102.0	28.2	42.4#
58	0.0	58.6	87.8#



#50

Toluene-d8

Concen: 53.647 ug/l

RT: 10.34 min Scan# 1432

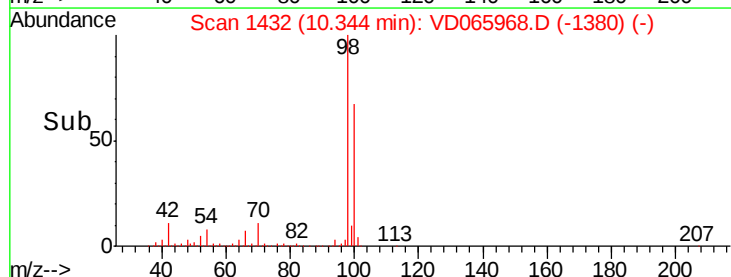
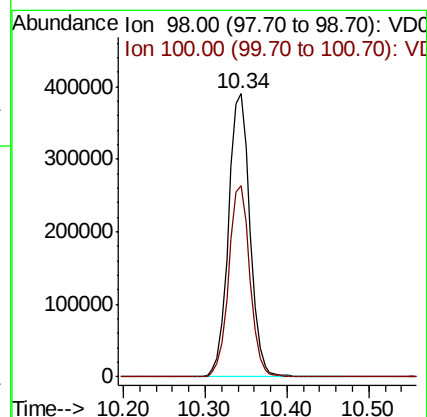
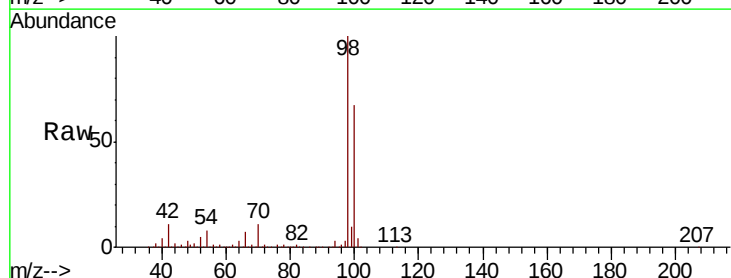
Delta R.T. 0.01 min

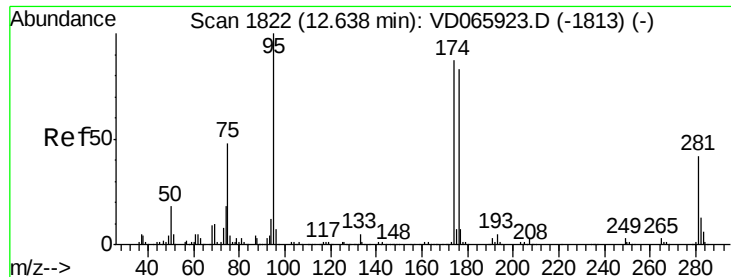
Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Tgt Ion: 98 Resp: 714783

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7

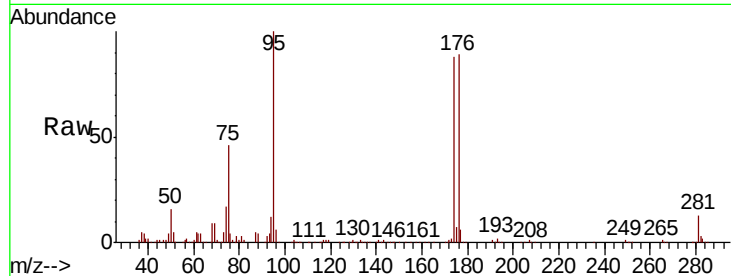




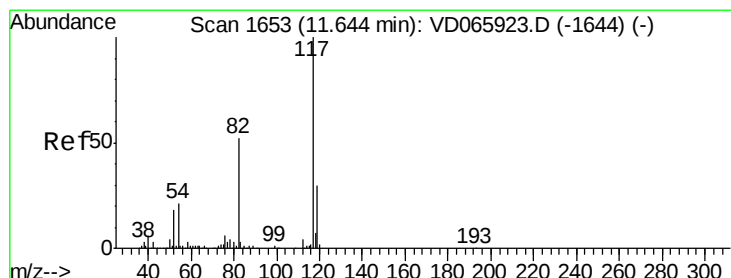
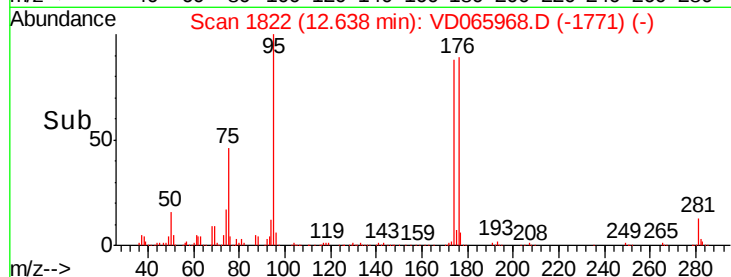
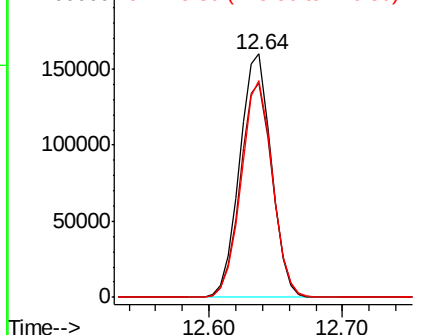
#62
4-Bromofluorobenzene
Concen: 57.251 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
8

Tot Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	169.4
176	87.6	0.0	164.0

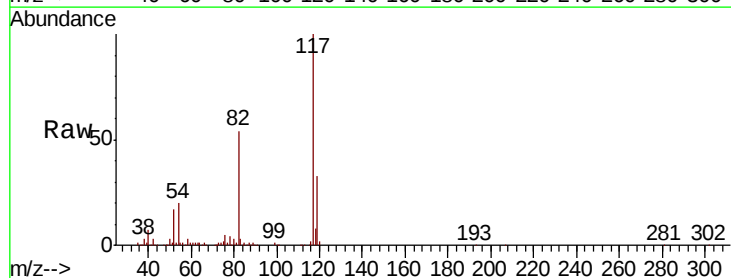


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

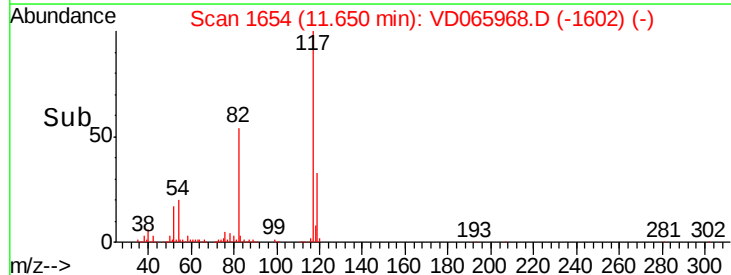
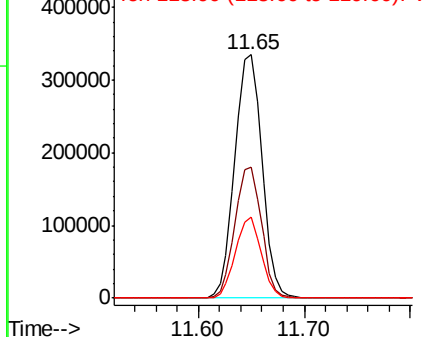


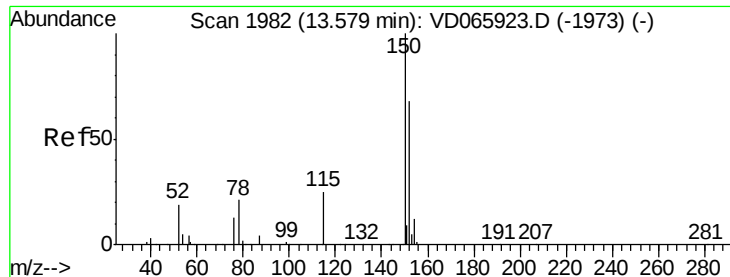
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.8	62.8
119	33.1	24.3	36.5



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



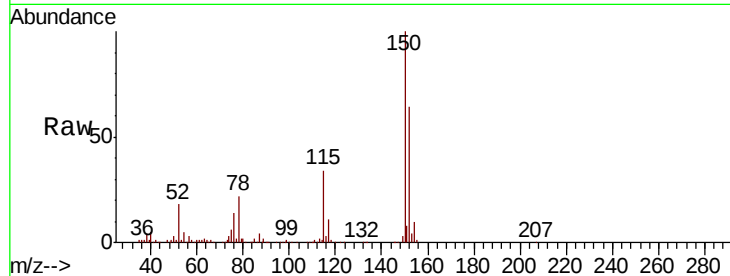


#72

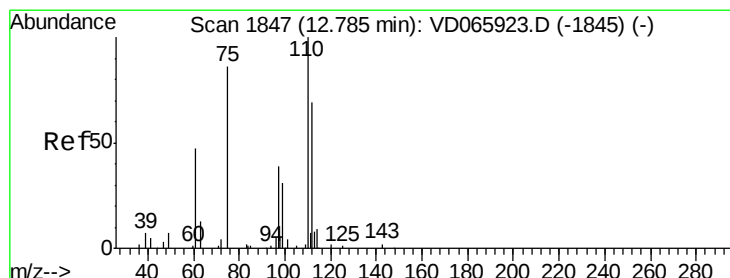
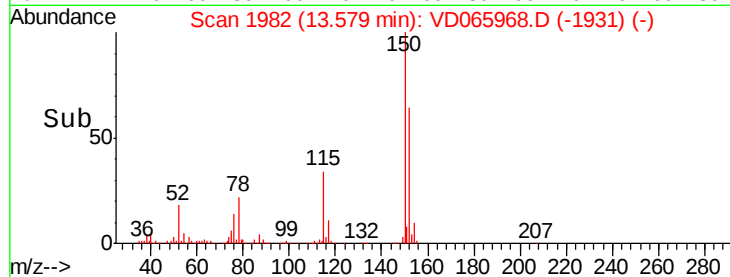
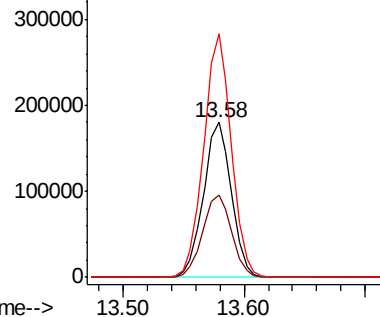
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

Instrument :
MSVOA_D
ClientSampleId :
8

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.3
150	155.2	0.0	347.2



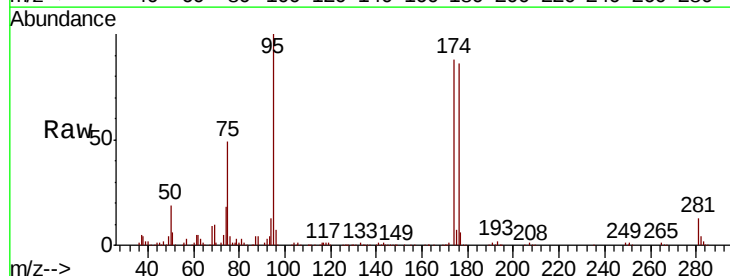
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



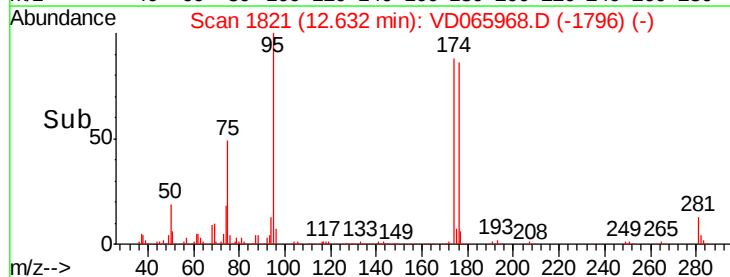
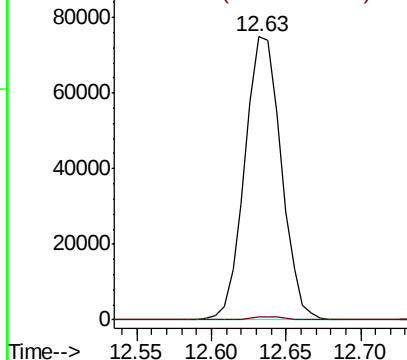
#76

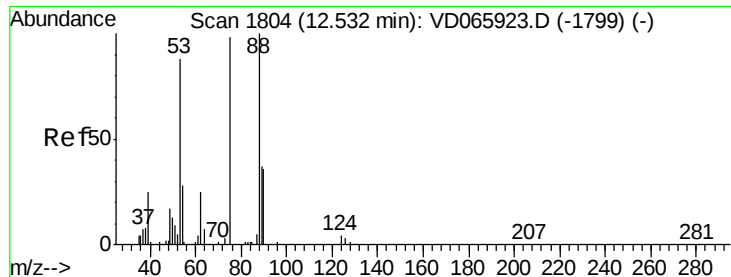
1,2,3-Trichloropropane
Concen: 52.101 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD065968.D
Acq: 16 Jul 2020 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 111.949 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD065968.D

Acq: 16 Jul 2020 20:19

Instrument :

MSVOA_D

ClientSampleId :

8

Tot Ion: 75 Resp: 126500

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.1 37.5 56.3#

