

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072720\
 Data File : VD066068.D
 Acq On : 27 Jul 2020 15:47
 Operator : VA/SY
 Sample : L3436-21
 Misc : 7.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 21

Quant Time: Jul 27 17:50:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	292687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	430632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	450923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232902	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	115413	48.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.92%	
35) Dibromofluoromethane	7.92	113	128983	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	
50) Toluene-d8	10.34	98	525911	54.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.64	95	205043	60.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.56%	

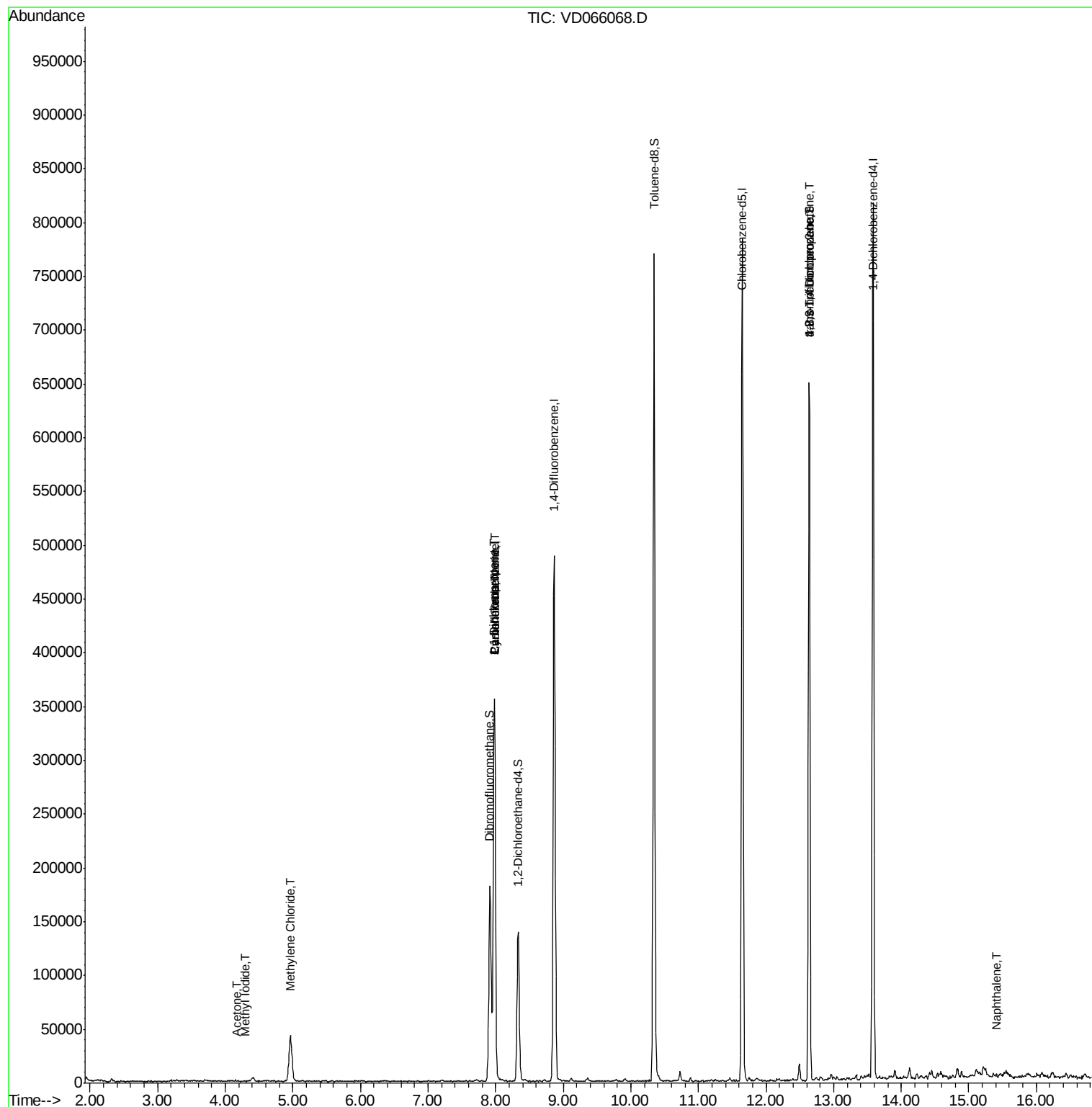
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	66	Below Cal	#	4
10) Methyl Iodide	4.30	142	93	8.842	ug/l #	42
11) Tert butyl alcohol	5.23	59	59	Below Cal	#	83
16) Acetone	4.17	43	715	1.483	ug/l #	42
20) Methylene Chloride	4.97	84	32722	9.898	ug/l	87
31) Cyclohexane	7.98	56	5851	1.366	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	18578	5.055	ug/l #	49
38) Carbon Tetrachloride	7.98	117	26514	6.649	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	102875	58.664	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	102875	134.613	ug/l #	11
95) Naphthalene	15.41	128	1354	3.717	ug/l #	73

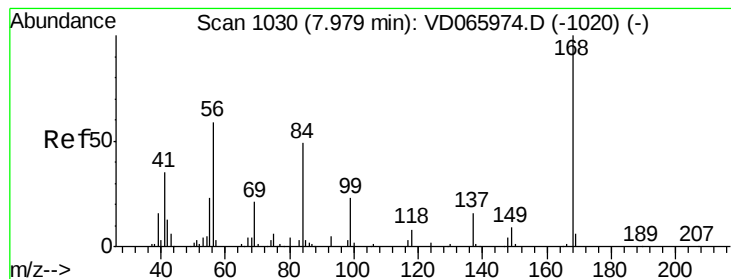
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072720\
Data File : VD066068.D
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Quant Time: Jul 27 17:50:43 2020
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066068.D

Acq: 27 Jul 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

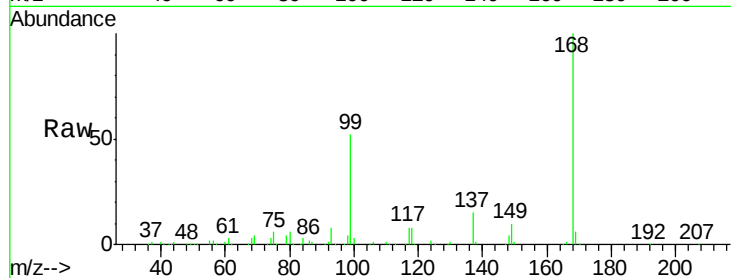
21

Tgt Ion: 168 Resp: 292687

Ion Ratio Lower Upper

168 100

99 52.3 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

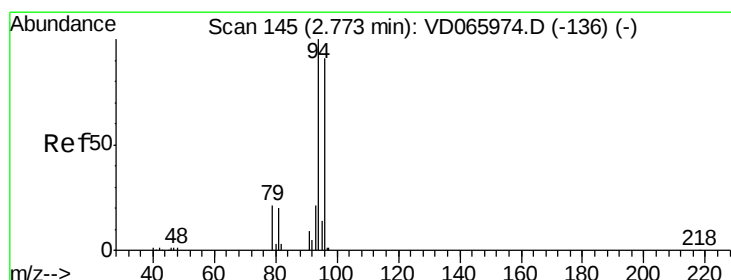
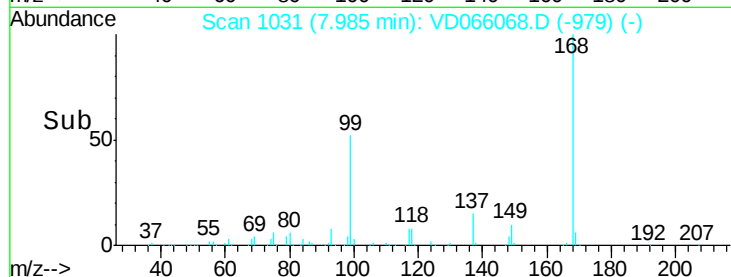
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD066068.D

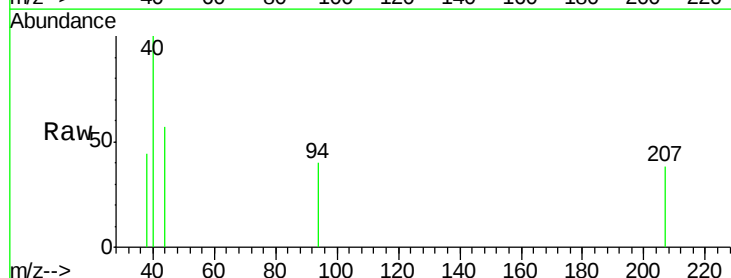
Acq: 27 Jul 2020 15:47

Tgt Ion: 94 Resp: 66

Ion Ratio Lower Upper

94 100

96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

300

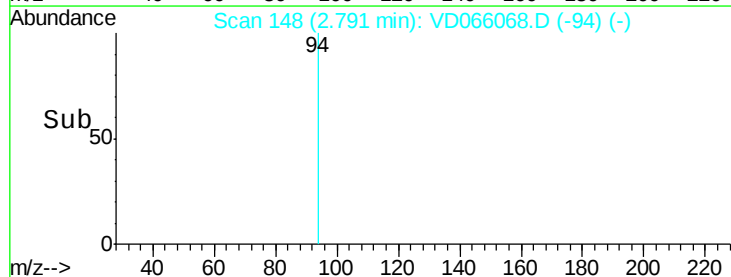
200

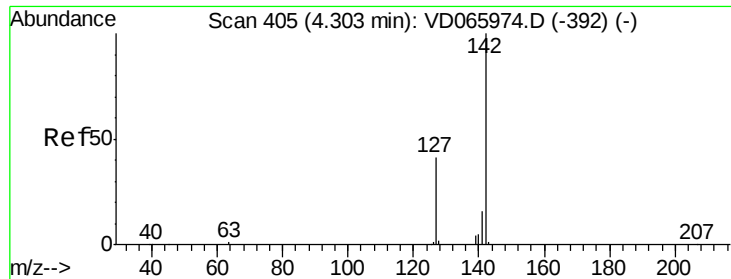
100

0

2.77 2.78 2.79 2.80 2.81

Time-->

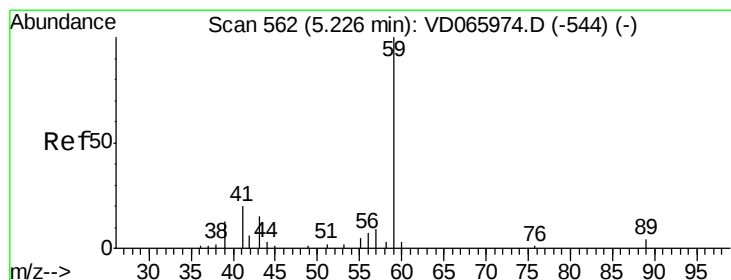
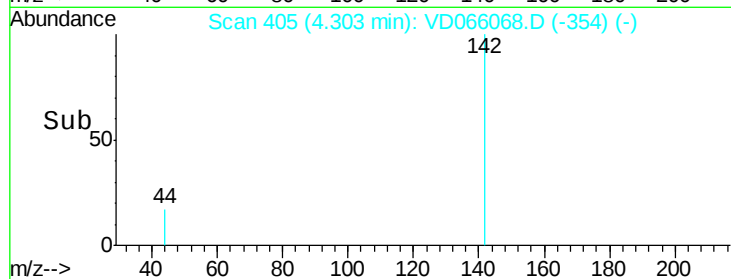
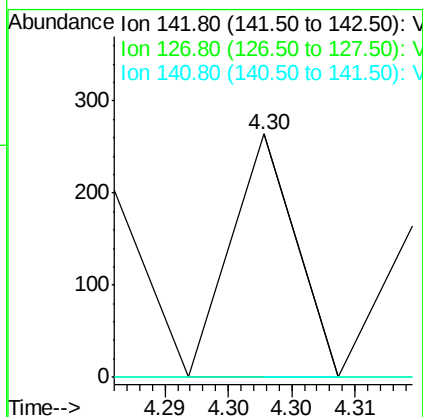
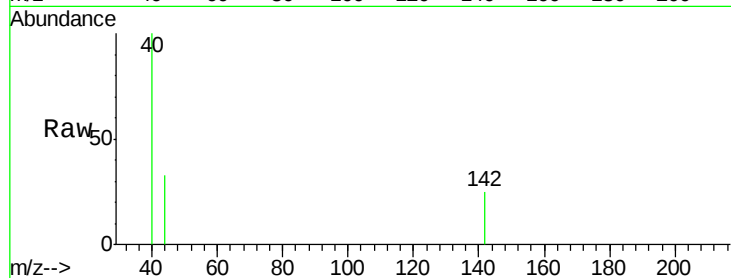




#10
Methyl Iodide
Concen: 8.842 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD066068.D
Acq: 27 Jul 2020 15:47

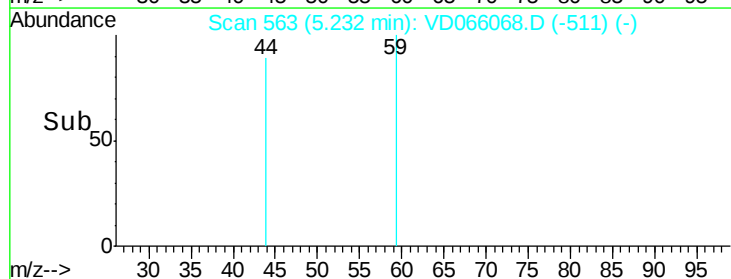
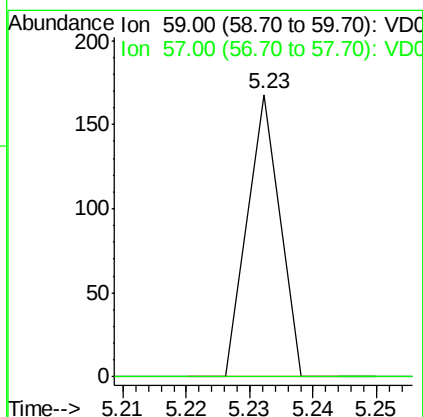
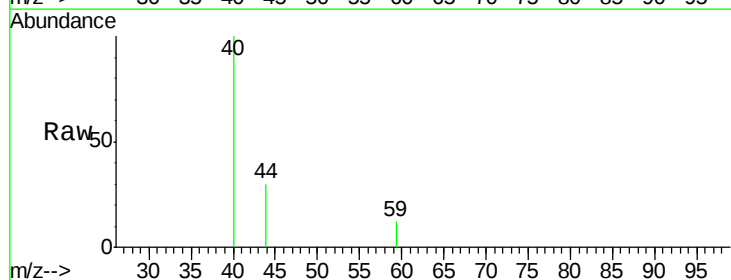
Instrument :
MSVOA_D
ClientSampled :
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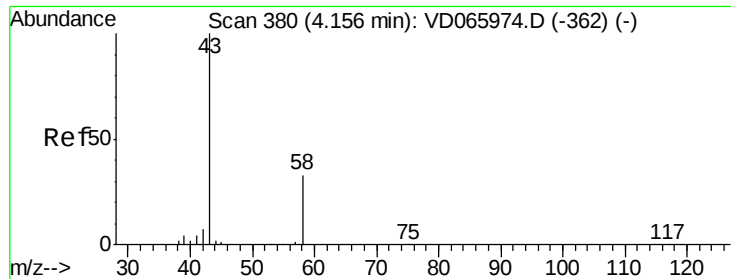
Tgt Ion: 142 Resp: 93
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.23 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD066068.D
Acq: 27 Jul 2020 15:47

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 1.483 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD066068.D

Acq: 27 Jul 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

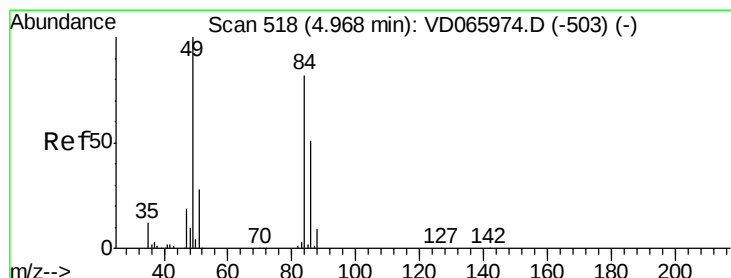
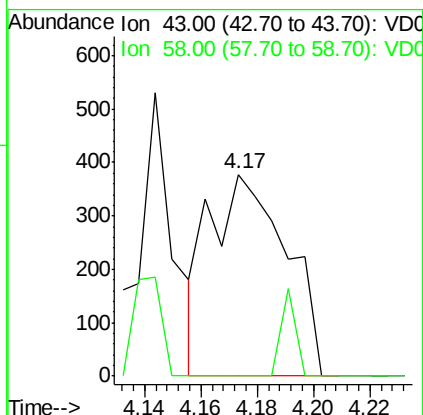
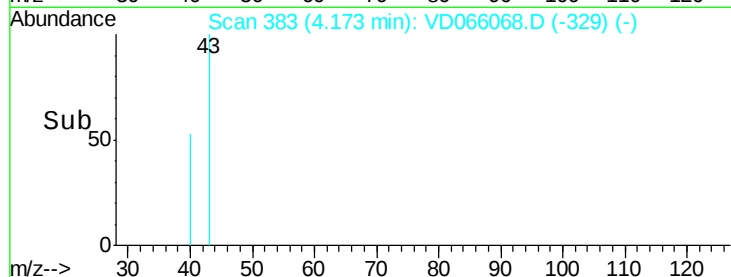
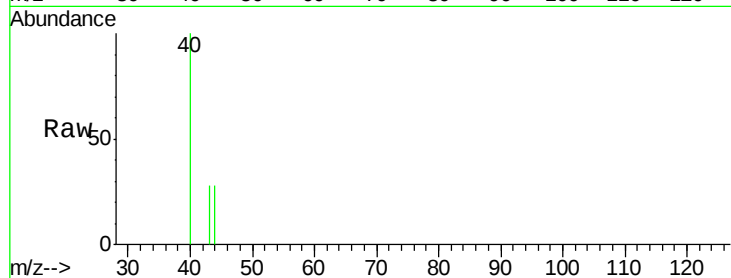
21

Tgt Ion: 43 Resp: 715

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



#20

Methylene Chloride

Concen: 9.898 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066068.D

Acq: 27 Jul 2020 15:47

Tgt Ion: 84 Resp: 32722

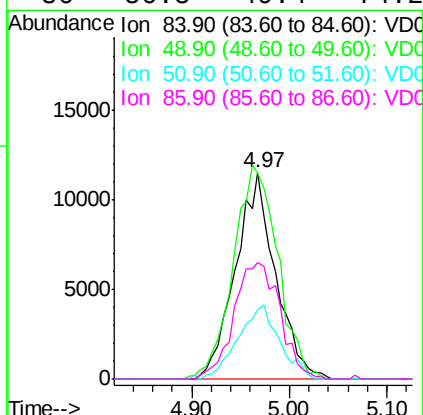
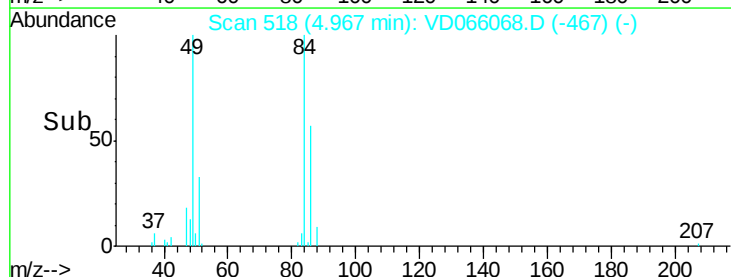
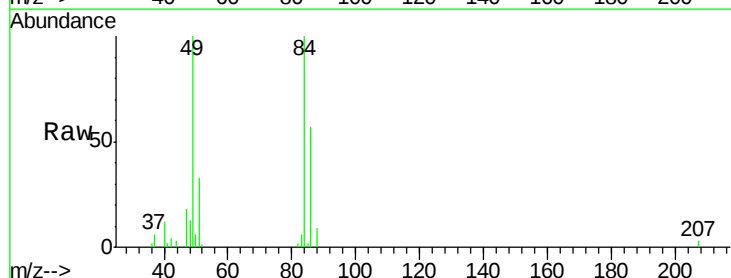
Ion Ratio Lower Upper

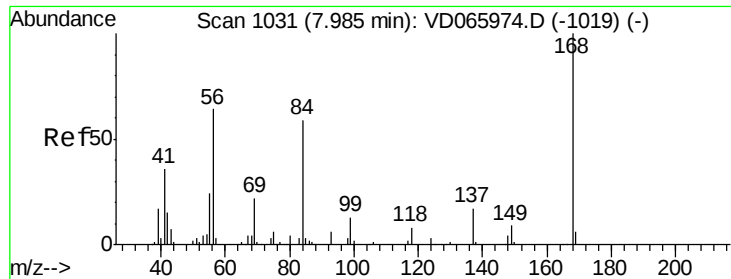
84 100

49 99.9 97.7 146.5

51 33.5 27.4 41.2

86 56.5 49.4 74.2

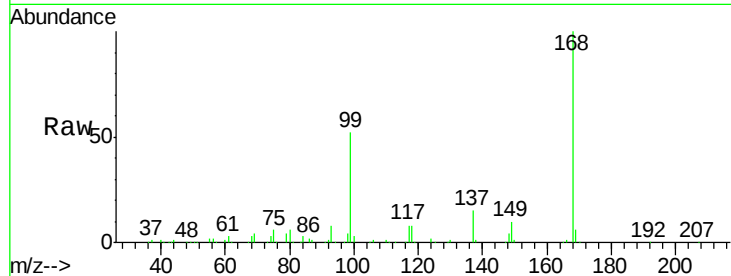




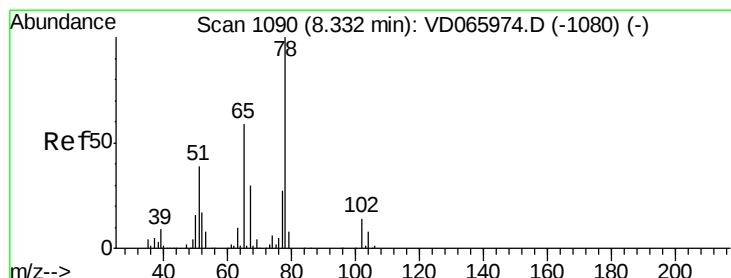
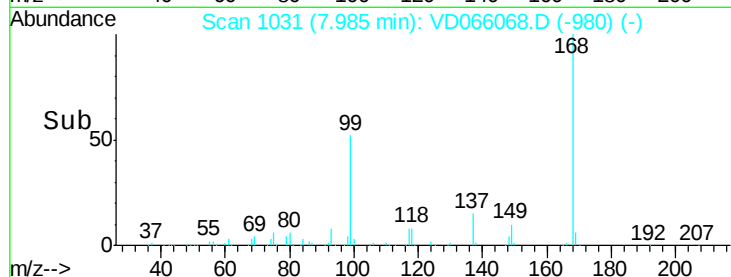
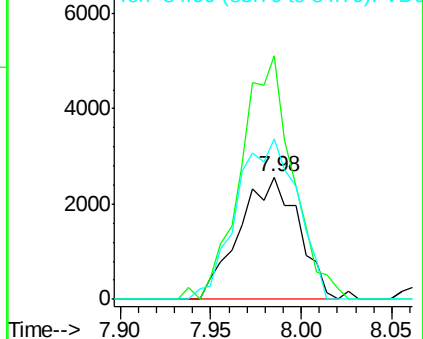
#31
Cyclohexane
Concen: 1.366 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066068.D
Acq: 27 Jul 2020 15:47

Instrument :
MSVOA_D
ClientSampleId :
21

Tgt Ion: 56 Resp: 5851
Ion Ratio Lower Upper
56 100
69 190.8 28.0 42.0#
84 131.8 72.6 109.0#

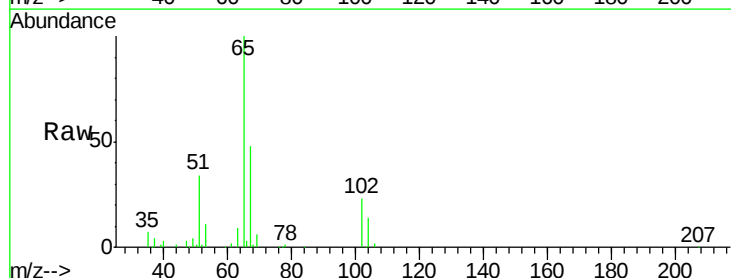


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

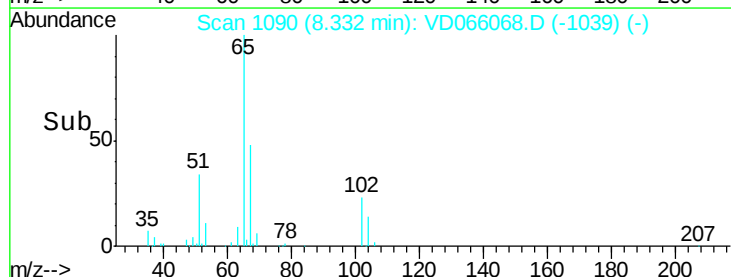
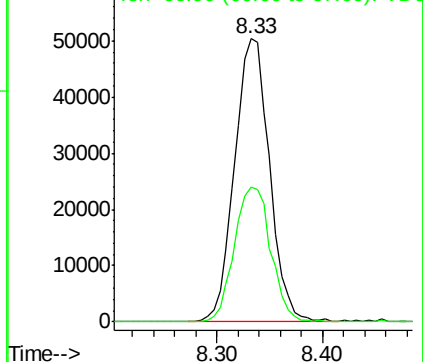


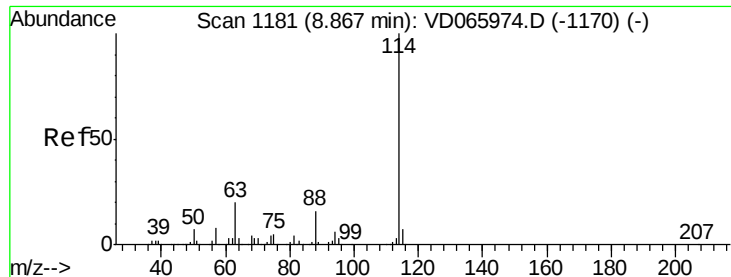
#33
1,2-Dichloroethane-d4
Concen: 48.461 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066068.D
Acq: 27 Jul 2020 15:47

Tgt Ion: 65 Resp: 115413
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.0



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

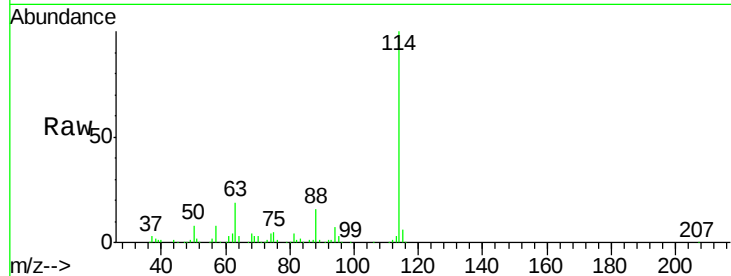




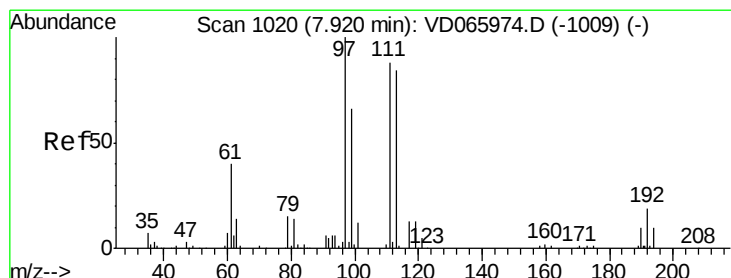
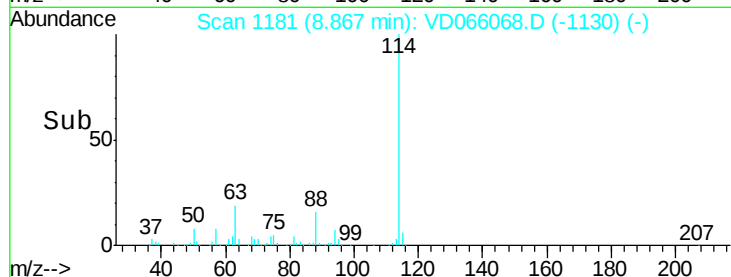
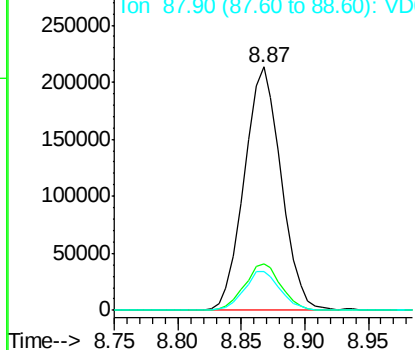
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066068.D
 Acq: 27 Jul 2020 15:47

Instrument :
 MSVOA_D
 ClientSampled :
 21

Tgt Ion:114 Resp: 430632
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 15.9 0.0 31.2

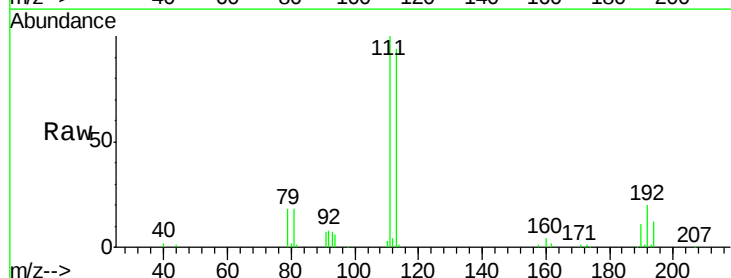


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

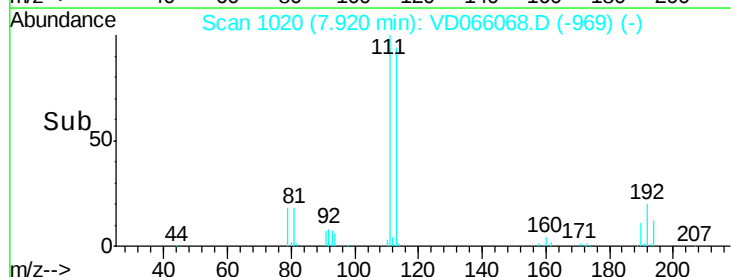
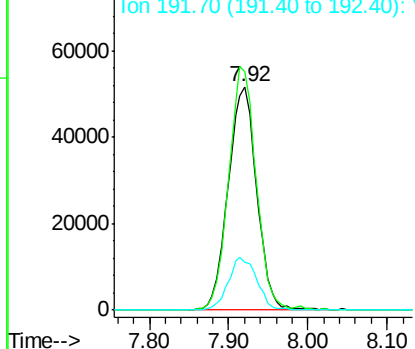


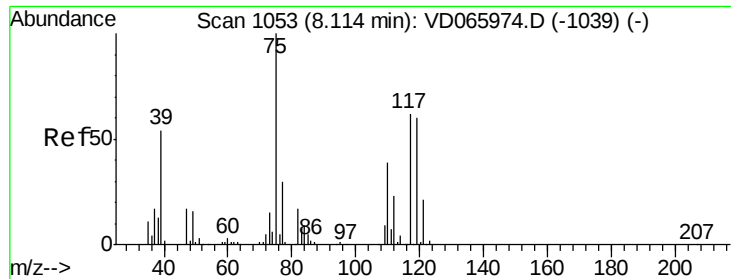
#35
 Dibromofluoromethane
 Concen: 49.382 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066068.D
 Acq: 27 Jul 2020 15:47

Tgt Ion:113 Resp: 128983
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.2 124.8
 192 23.6 18.7 28.1



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

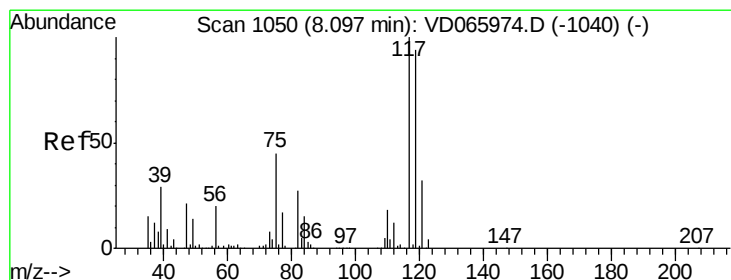
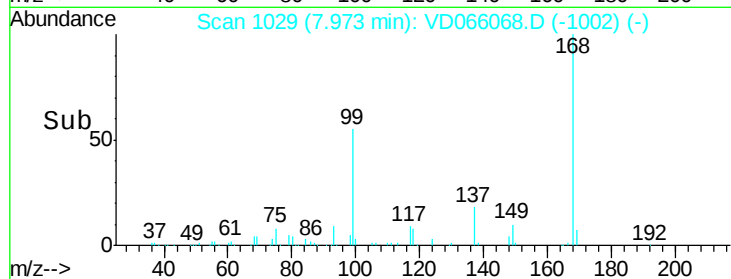
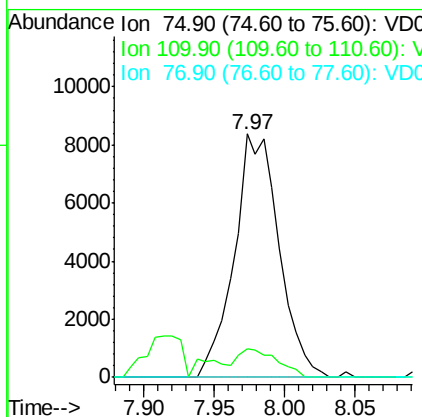
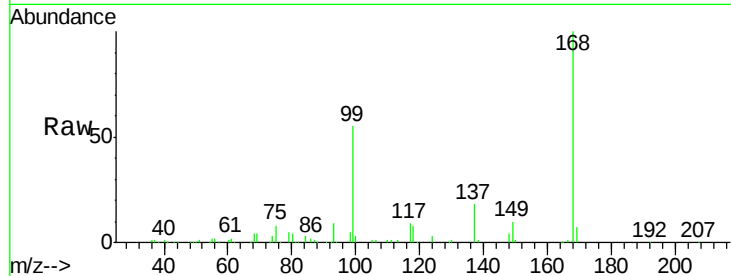




#36
 1,1-Dichloropropene
 Concen: 5.055 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066068.D
 Acq: 27 Jul 2020 15:47

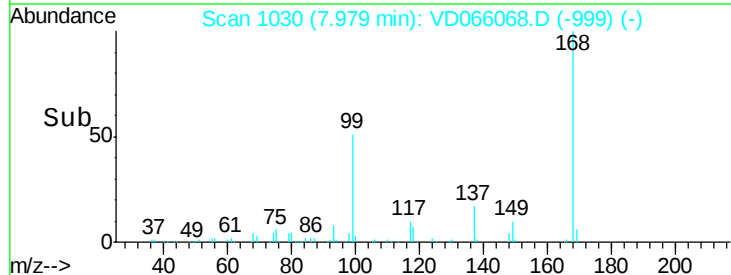
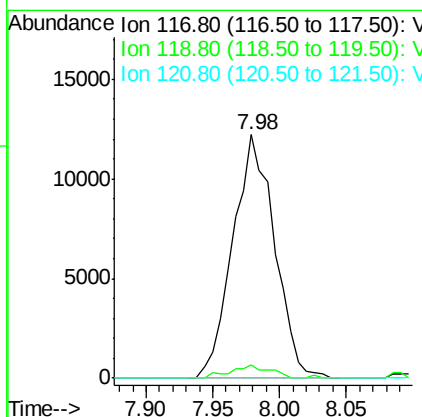
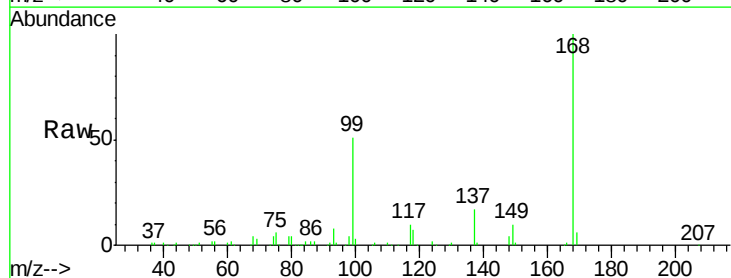
Instrument :
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 ClientSampled :
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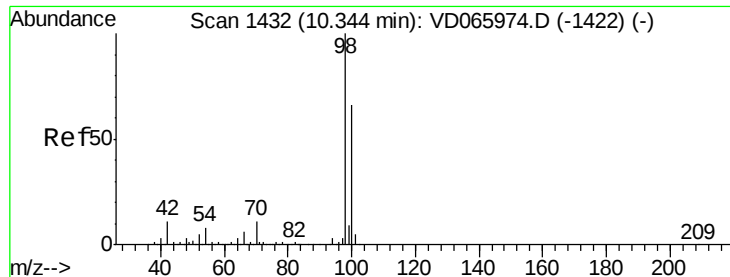
Tgt Ion: 75 Resp: 18578
 Ion Ratio Lower Upper
 75 100
 110 10.2 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.649 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066068.D
 Acq: 27 Jul 2020 15:47

Tgt Ion: 117 Resp: 26514
 Ion Ratio Lower Upper
 117 100
 119 5.2 75.0 112.6#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 54.050 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066068.D

Acq: 27 Jul 2020 15:47

Instrument :

MSVOA_D

ClientSampleId :

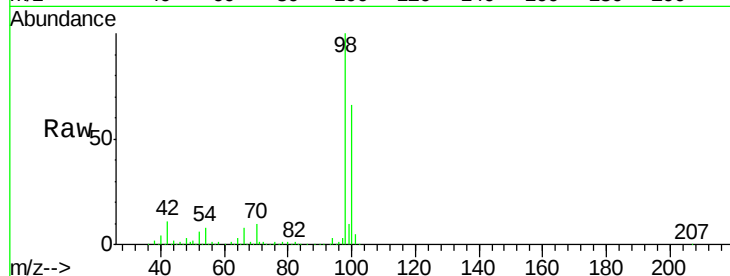
21

Tgt Ion: 98 Resp: 525911

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

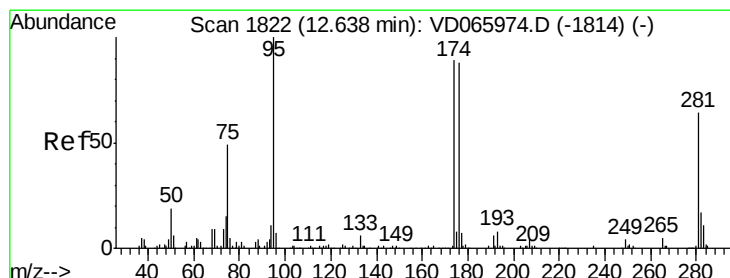
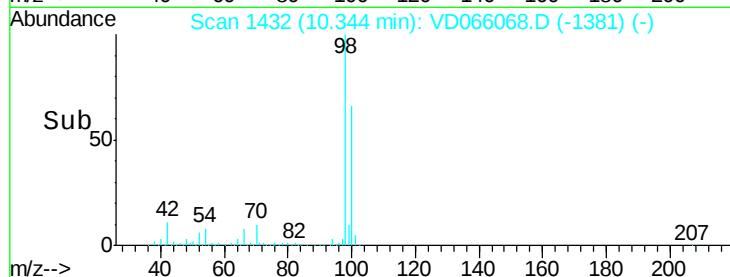
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 60.775 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066068.D

Acq: 27 Jul 2020 15:47

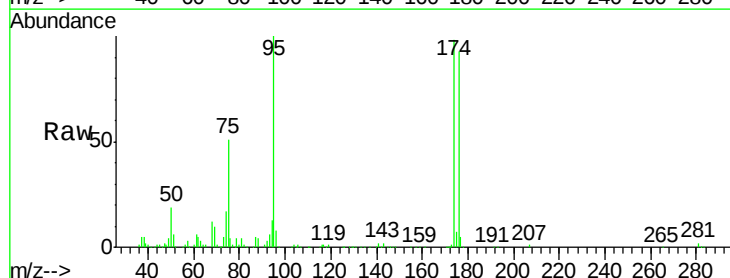
Tgt Ion: 95 Resp: 205043

Ion Ratio Lower Upper

95 100

174 96.3 0.0 178.8

176 93.1 0.0 172.6



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

12.64

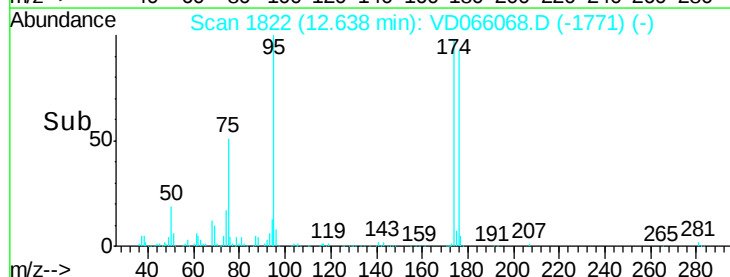
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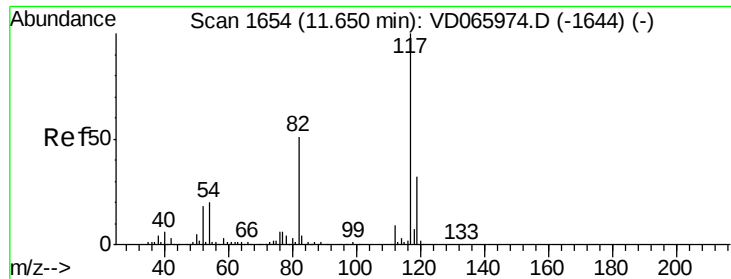
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

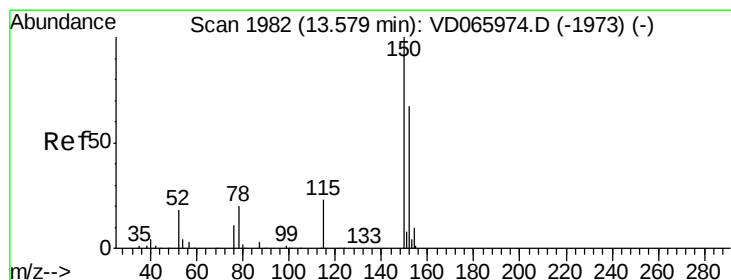
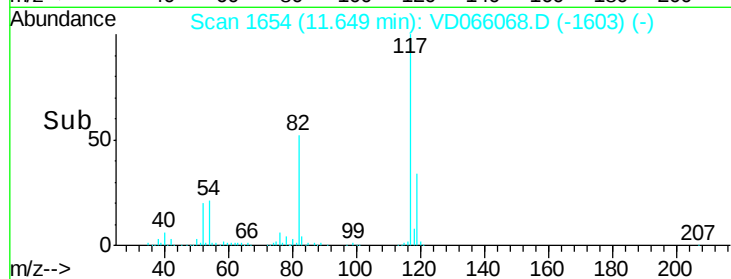
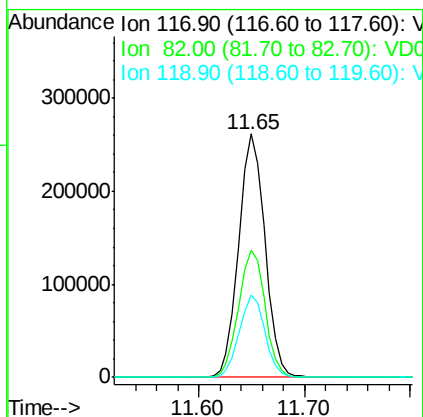
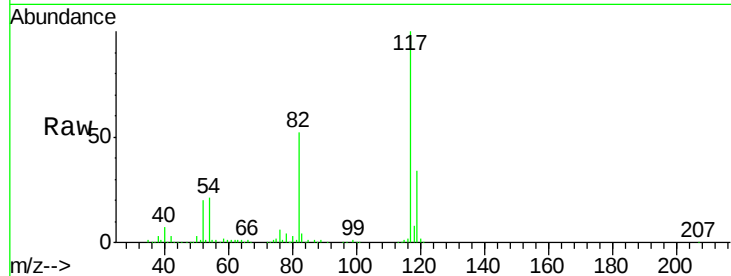




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066068.D
Acq: 27 Jul 2020 15:47

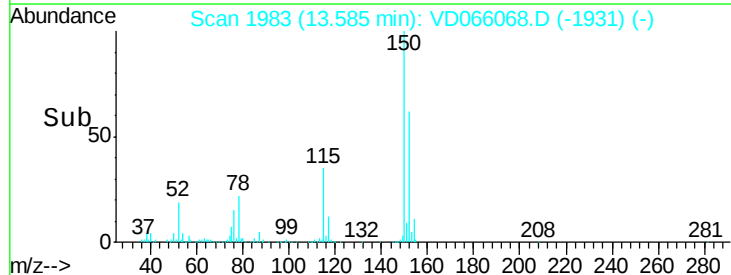
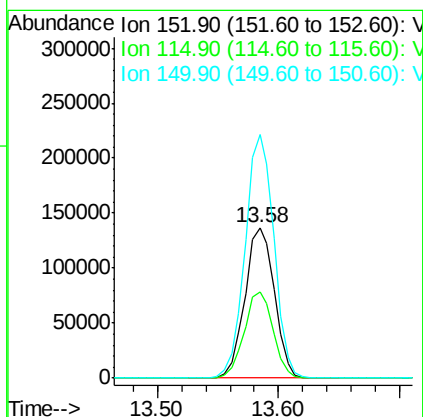
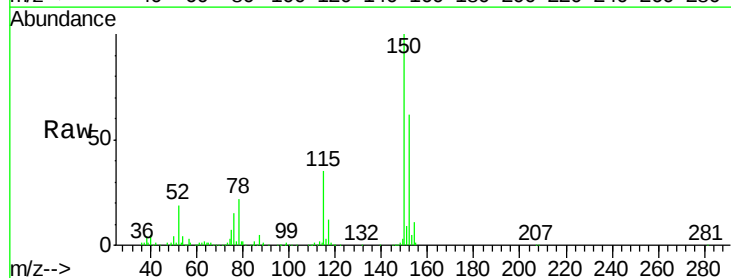
Instrument :
MSVOA_D
ClientSampleId :
21

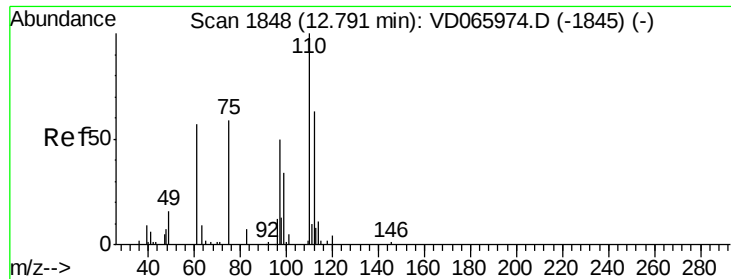
Tgt Ion:117 Resp: 450923
Ion Ratio Lower Upper
117 100
82 52.0 41.1 61.7
119 33.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066068.D
Acq: 27 Jul 2020 15:47

Tgt Ion:152 Resp: 232902
Ion Ratio Lower Upper
152 100
115 56.0 27.9 83.7
150 158.0 0.0 348.2

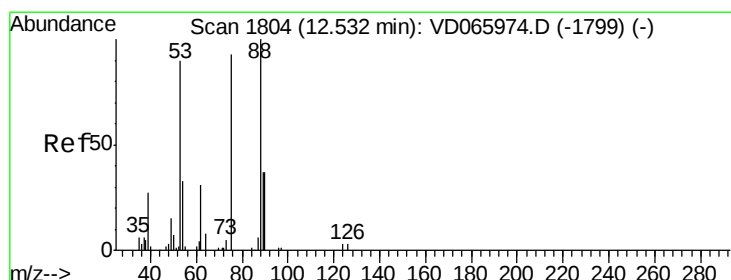
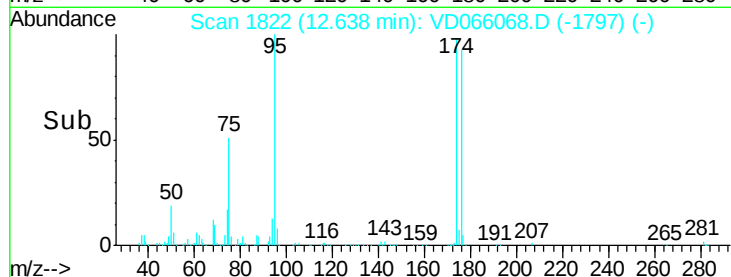
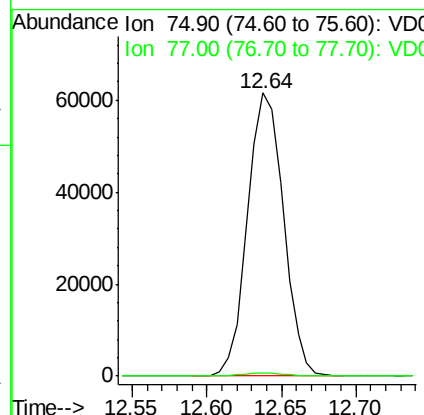
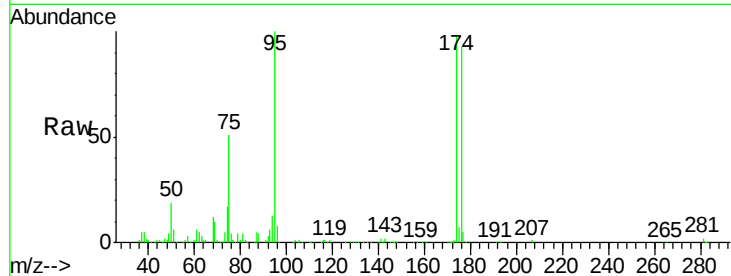




#76
 1,2,3-Trichloropropane
 Concen: 58.664 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066068.D
 Acq: 27 Jul 2020 15:47

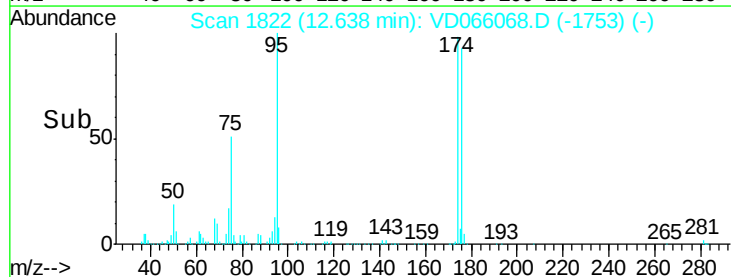
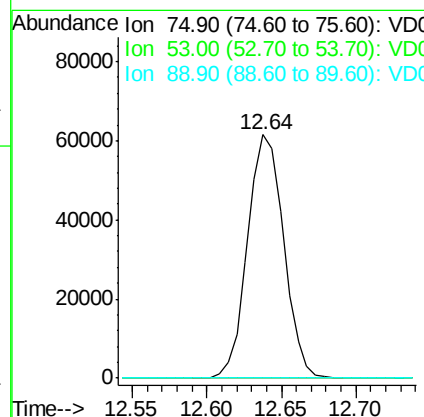
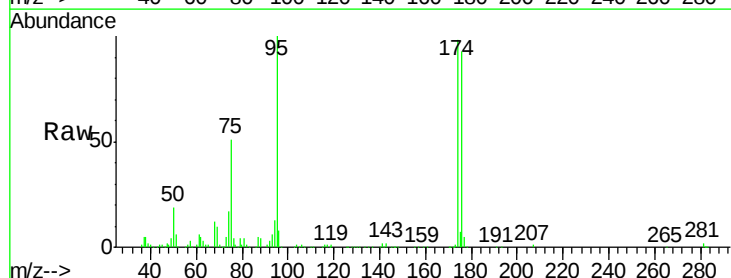
Instrument :
 MSVOA_D
 ClientSampleId :
 21

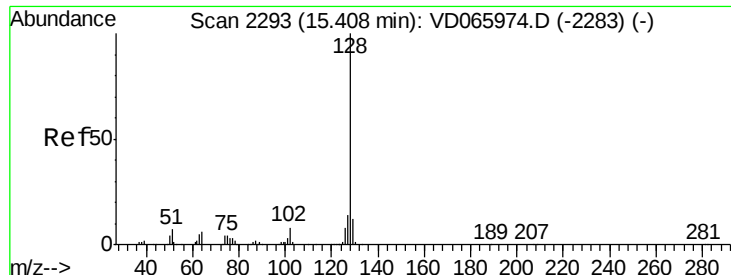
Tgt Ion: 75 Resp: 102875
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.613 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066068.D
 Acq: 27 Jul 2020 15:47

Tgt Ion: 75 Resp: 102875
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.8 115.2#
 89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 3.717 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066068.D
Acq: 27 Jul 2020 15:47

Instrument :
MSVOA_D
ClientSampleId :
21

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	4.2	8.9	13.3#

