

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066054.D
 Acq On : 24 Jul 2020 18:24
 Operator : VA/SY
 Sample : L3430-01
 Misc : 5.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TS1

Quant Time: Jul 24 23:55:13 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	297211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	450035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	489716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254330	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	118724	49.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.18%	
35) Dibromofluoromethane	7.92	113	136352	49.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.90%	
50) Toluene-d8	10.34	98	558885	54.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.92%	
62) 4-Bromofluorobenzene	12.64	95	218307	61.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	123.84%	

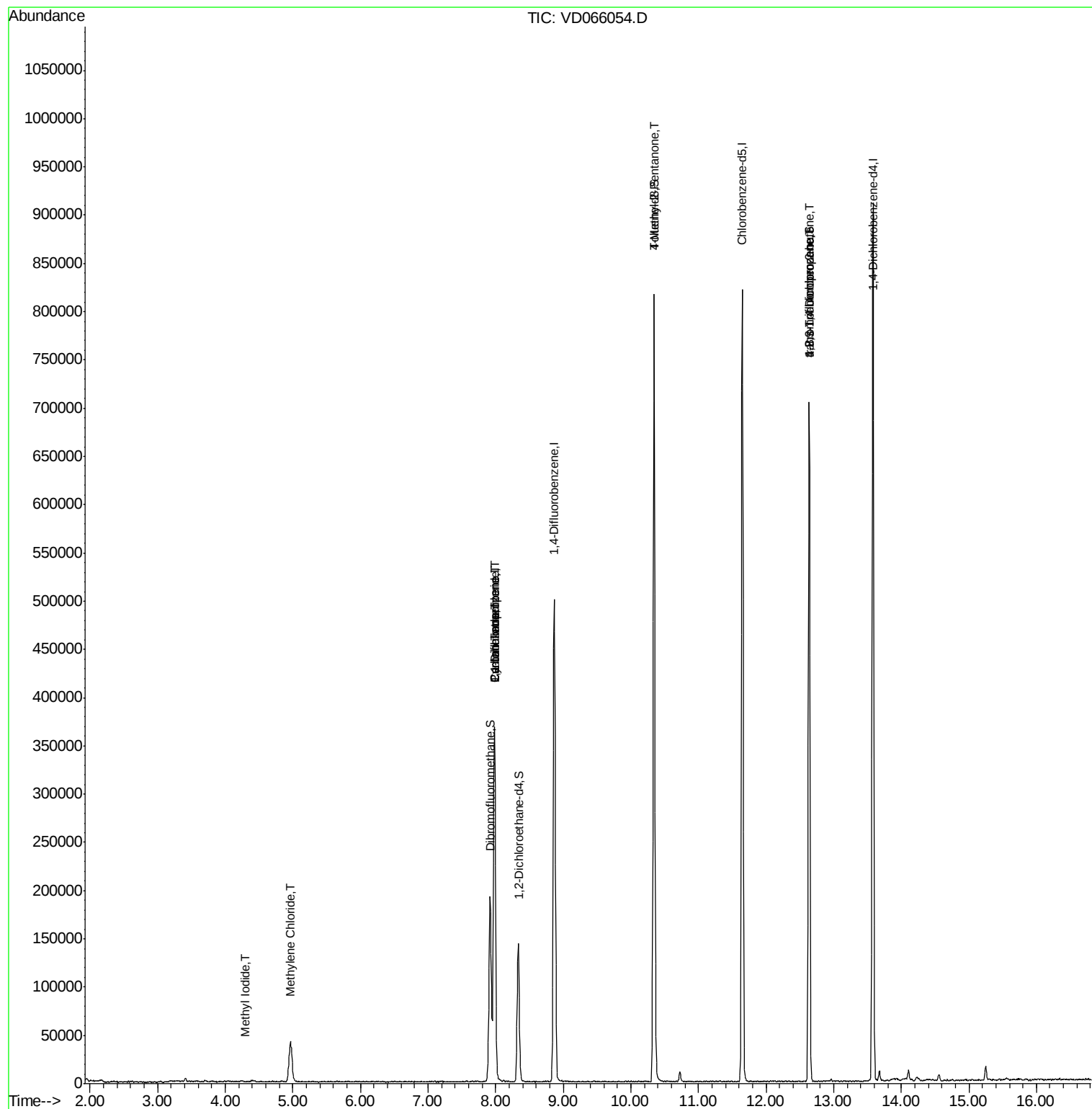
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	139	Below Cal		83
10) Methyl Iodide	4.30	142	120	8.850	ug/l #	42
20) Methylene Chloride	4.97	84	32151	9.475	ug/l	95
31) Cyclohexane	7.99	56	5343	1.228	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	18763	4.885	ug/l #	51
38) Carbon Tetrachloride	7.98	117	26618	6.387	ug/l #	21
51) 4-Methyl-2-Pentanone	10.34	43	2515	1.742	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	110988	57.958	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110988	132.993	ug/l #	11

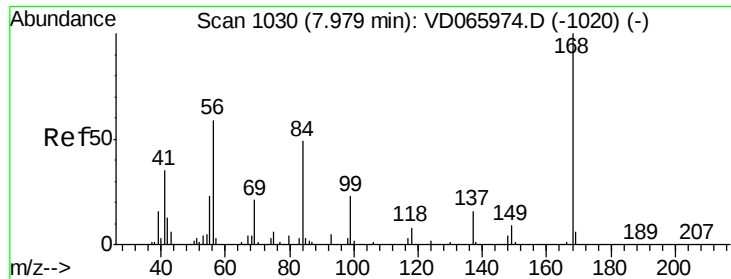
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
Data File : VD066054.D
Acq On : 24 Jul 2020 18:24
Operator : VA/SY
Sample : L3430-01
Misc : 5.40G/5.00ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TS1

Quant Time: Jul 24 23:55:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
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: VD066054.D

Acq: 24 Jul 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

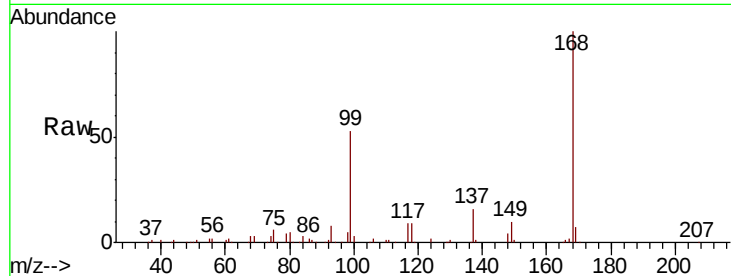
TS1

Tot Ion:168 Resp: 297211

Ion Ratio Lower Upper

168 100

99 53.2 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

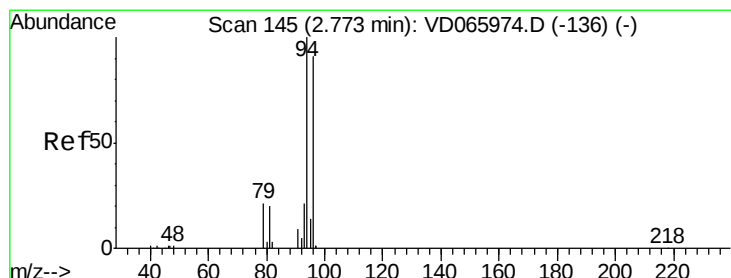
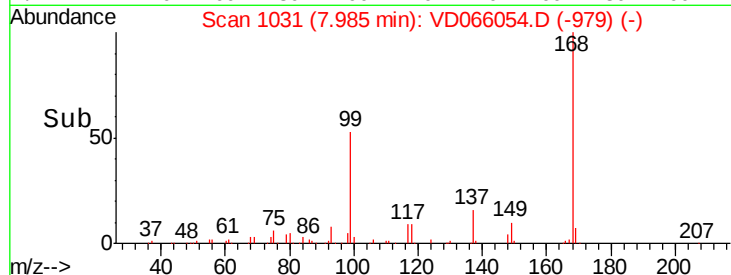
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066054.D

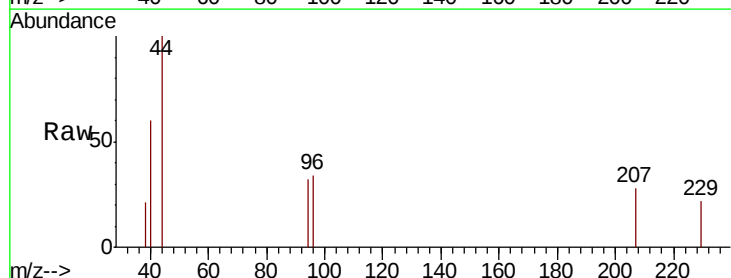
Acq: 24 Jul 2020 18:24

Tgt Ion: 94 Resp: 139

Ion Ratio Lower Upper

94 100

96 107.0 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

250

200

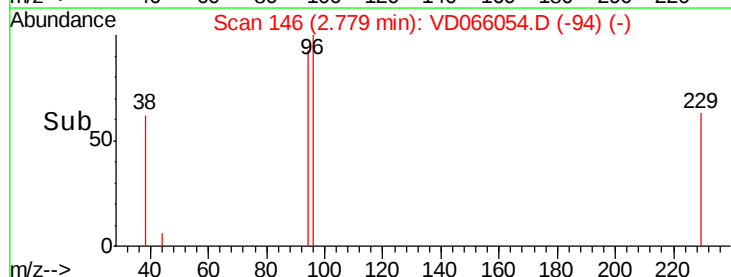
150

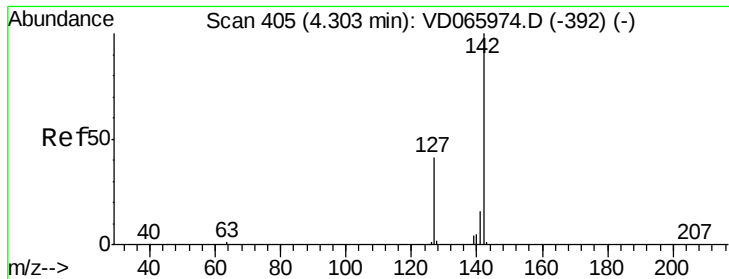
100

50

0

Time-->

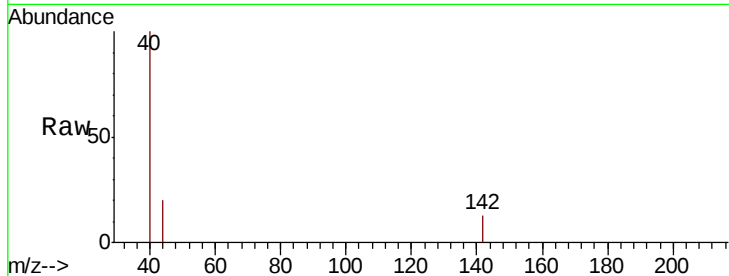




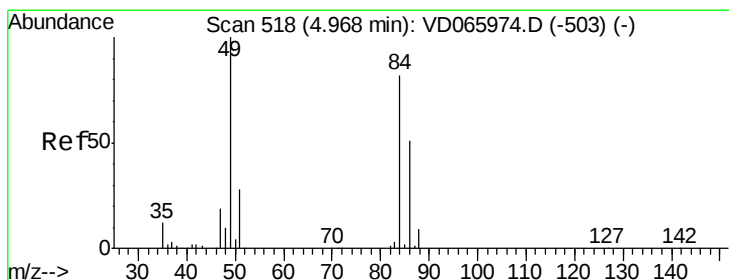
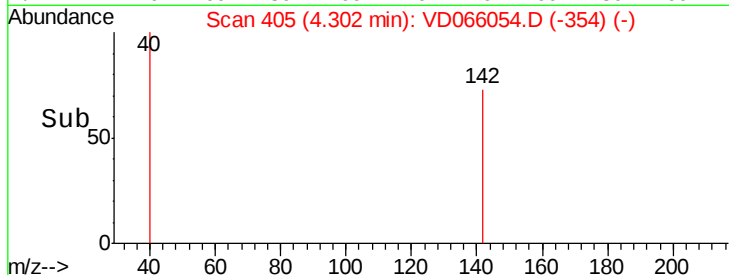
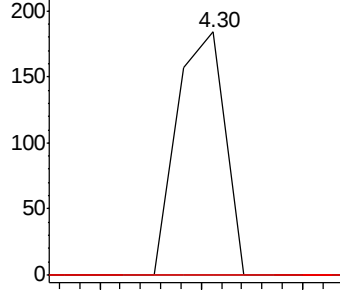
#10
Methvl Iodide
Concen: 8.850 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD066054.D
Acq: 24 Jul 2020 18:24

Instrument :
MSVOA_D
ClientSampleId :
TS1

Tot Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#

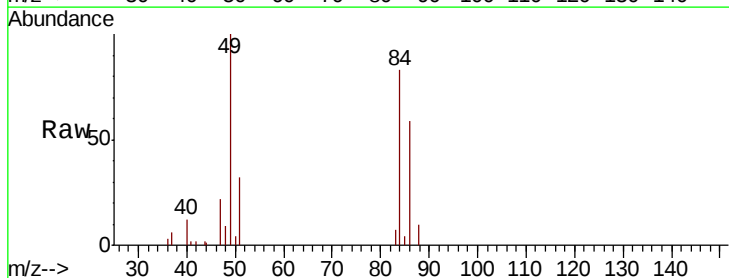


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

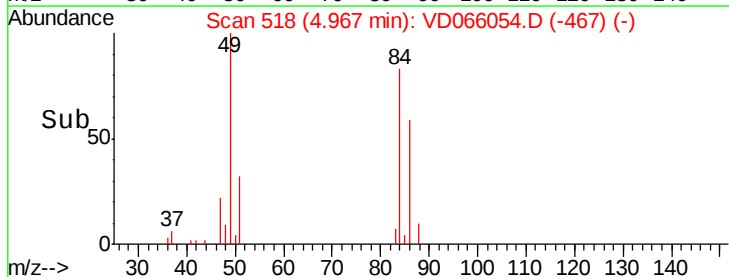
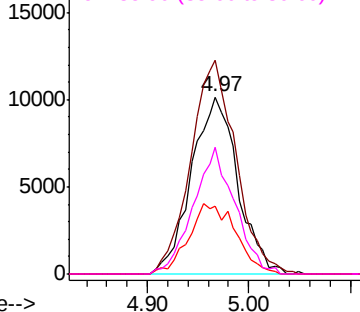


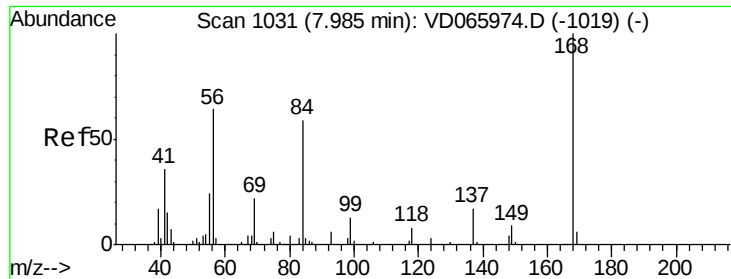
#20
Methylene Chloride
Concen: 9.475 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066054.D
Acq: 24 Jul 2020 18:24

Tgt Ion: 84 Resp: 32151
Ion Ratio Lower Upper
84 100
49 120.7 97.7 146.5
51 38.6 27.4 41.2
86 71.3 49.4 74.2



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

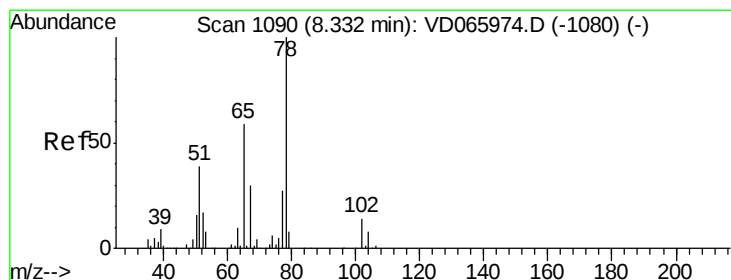
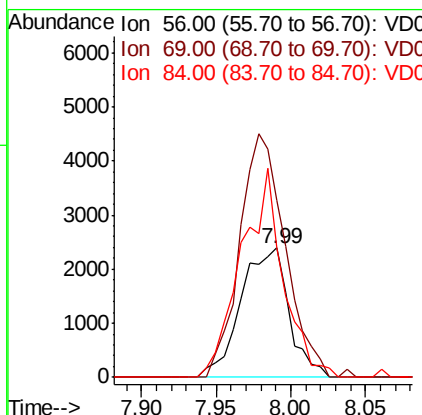
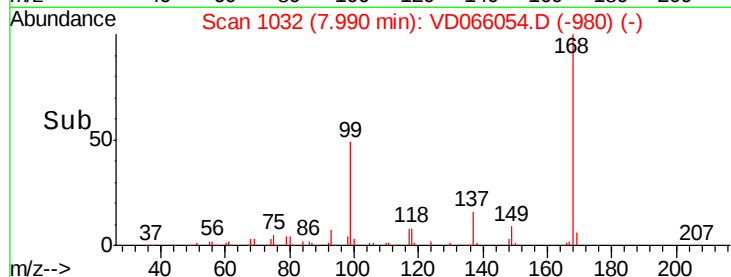
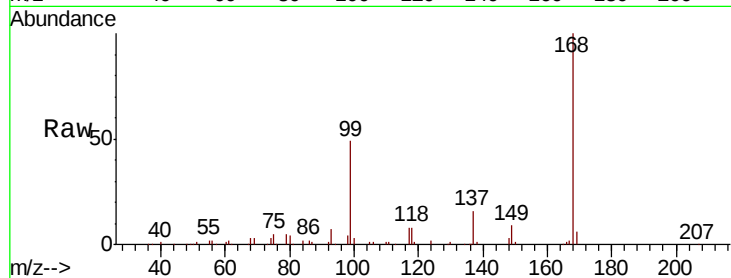




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD066054.D
Acq: 24 Jul 2020 18:24

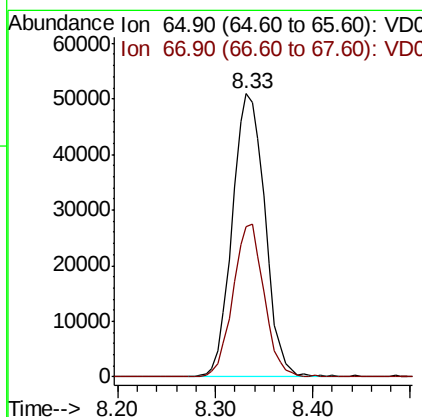
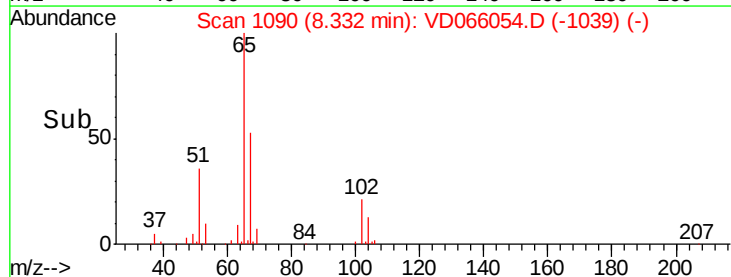
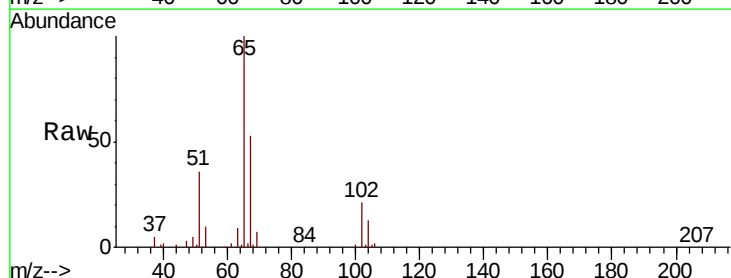
Instrument :
MSVOA_D
ClientSampleId :
TS1

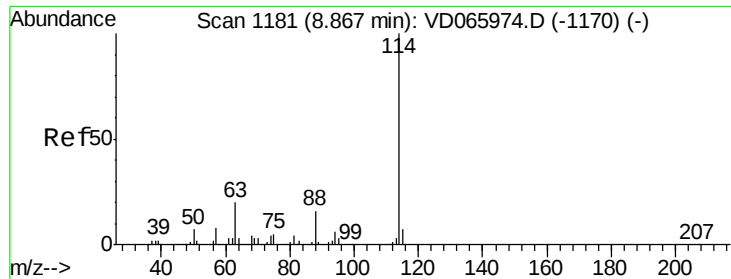
Tot Ion: 56 Resp: 5343
Ion Ratio Lower Upper
56 100
69 136.9 28.0 42.0#
84 100.5 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 49.092 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066054.D
Acq: 24 Jul 2020 18:24

Tgt Ion: 65 Resp: 118724
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.0

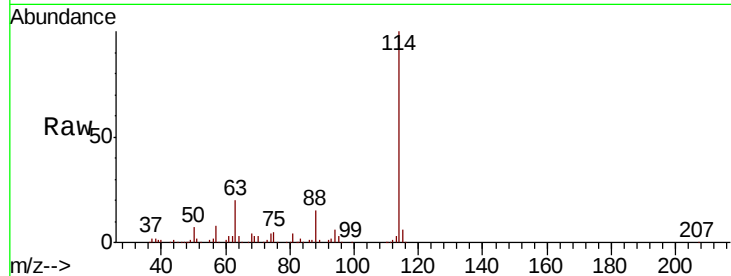




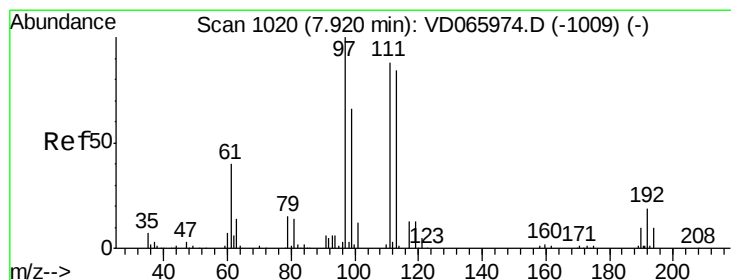
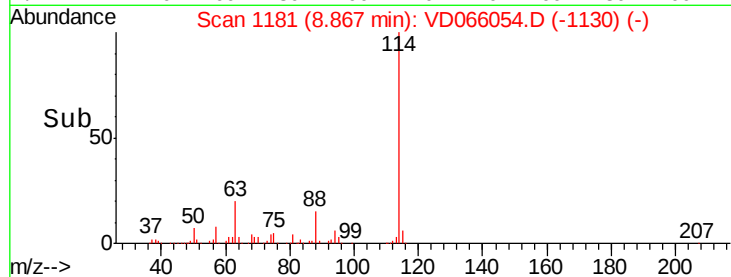
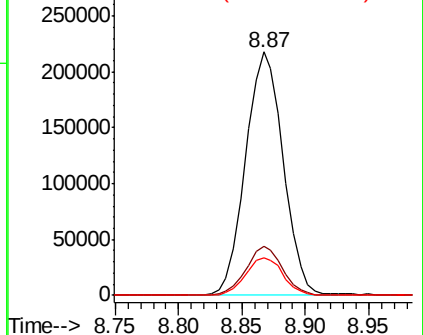
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066054.D
 Acq: 24 Jul 2020 18:24

Instrument :
 MSVOA_D
 ClientSampleID :
 TS1

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.6
88	15.3	0.0	31.2

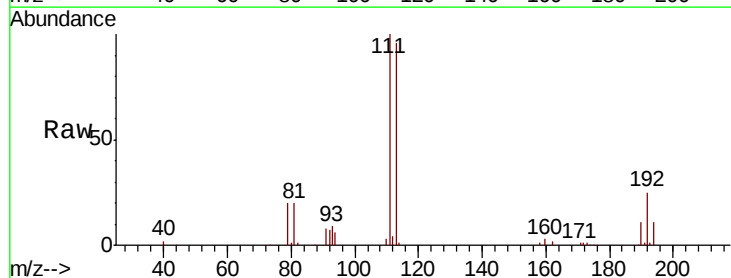


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

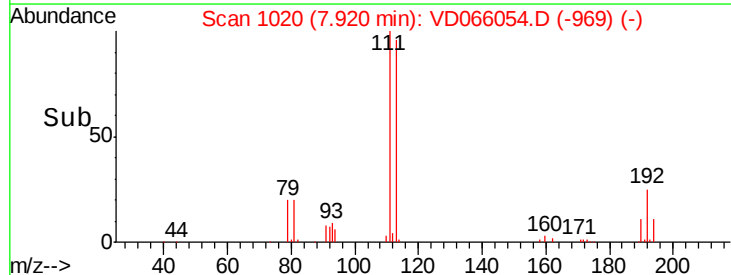
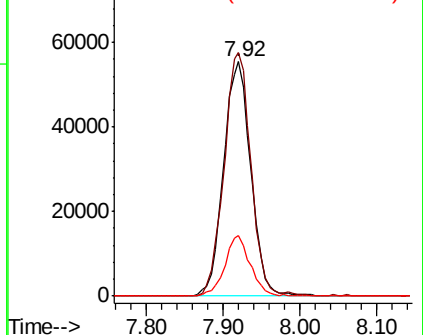


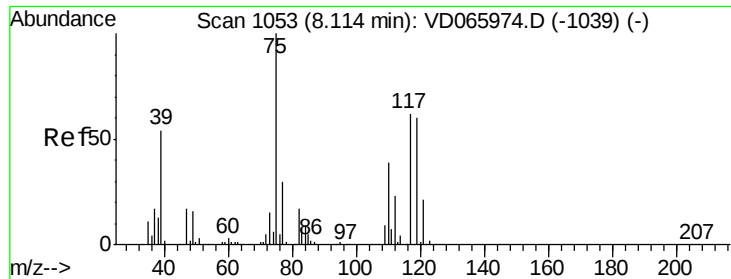
#35
 Dibromofluoromethane
 Concen: 49.953 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066054.D
 Acq: 24 Jul 2020 18:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.2	124.8
192	24.0	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

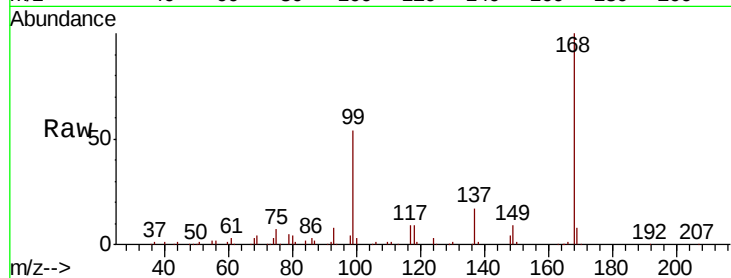




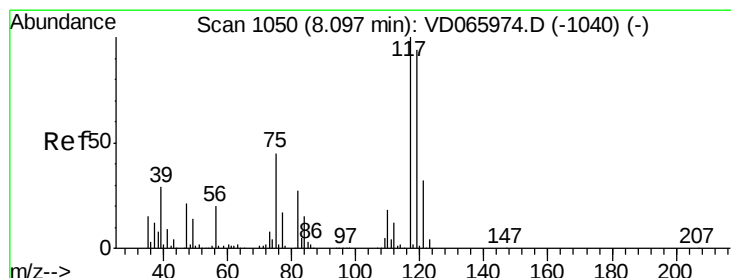
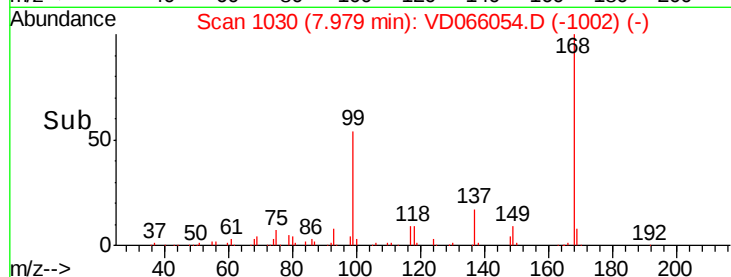
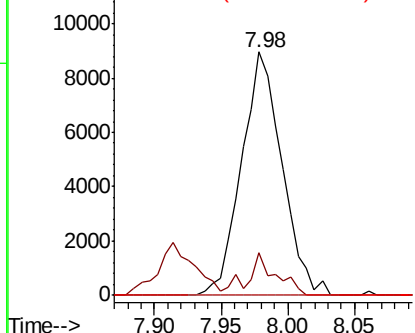
#36
 1,1-Dichloropropene
 Concen: 4.885 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066054.D
 Acq: 24 Jul 2020 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TS1

Tot Ion	Ratio	Lower	Upper
75	100		
110	12.1	19.5	58.5#
77	0.0	24.7	37.1#

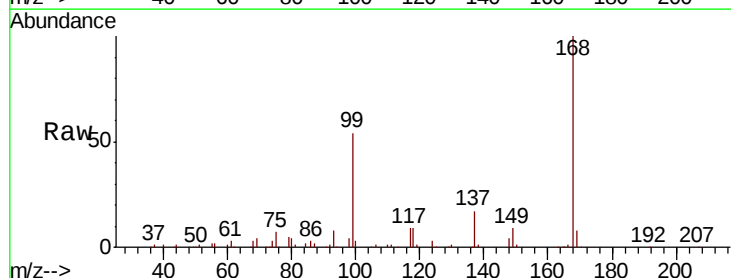


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

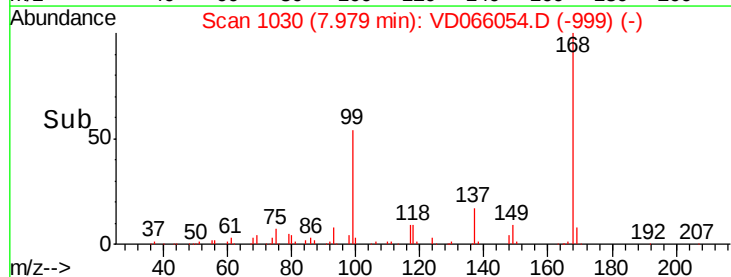
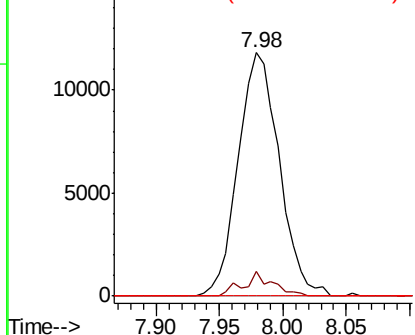


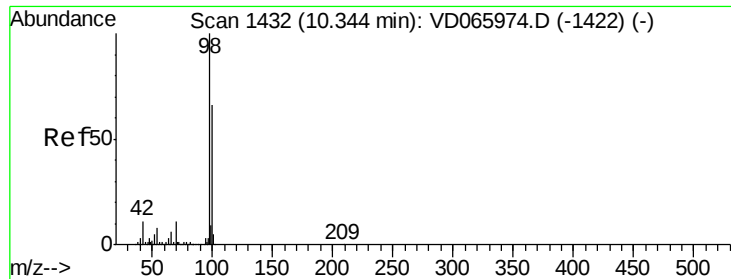
#38
 Carbon Tetrachloride
 Concen: 6.387 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066054.D
 Acq: 24 Jul 2020 18:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	10.0	75.0	112.6#
121	0.0	25.5	38.3#



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





#50

Toluene-d8

Concen: 54.962 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066054.D

Acq: 24 Jul 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

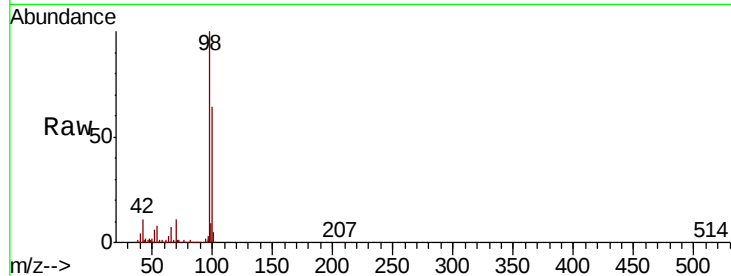
TS1

Tot Ion: 98 Resp: 55885

Ion Ratio Lower Upper

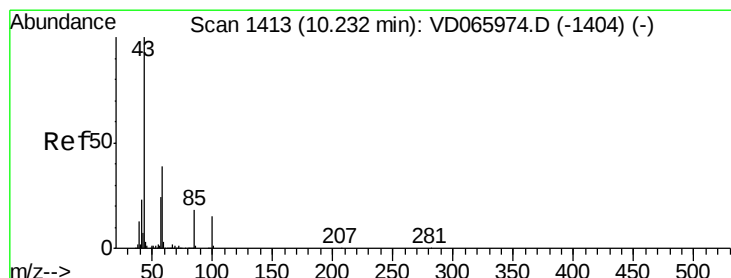
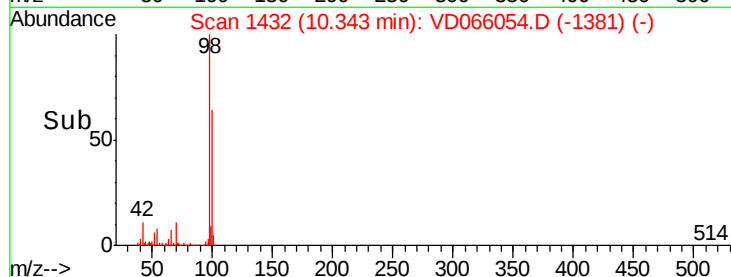
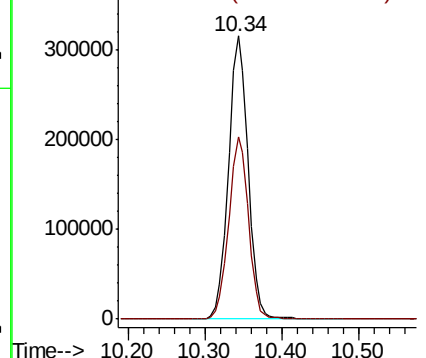
98 100

100 64.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.742 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066054.D

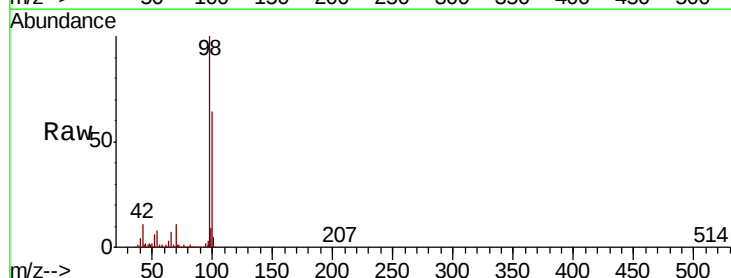
Acq: 24 Jul 2020 18:24

Tgt Ion: 43 Resp: 2515

Ion Ratio Lower Upper

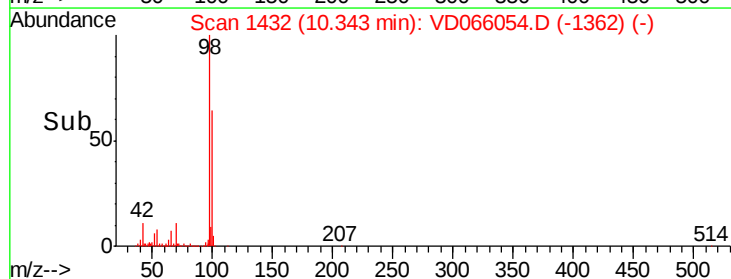
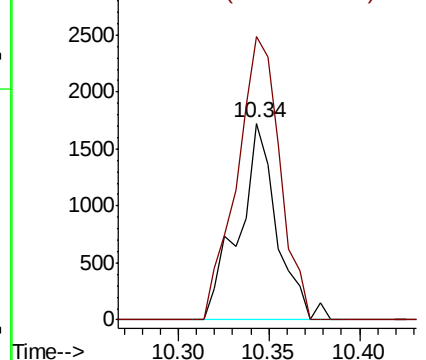
43 100

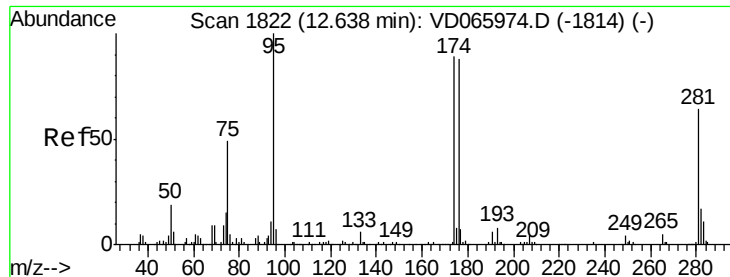
58 162.9 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

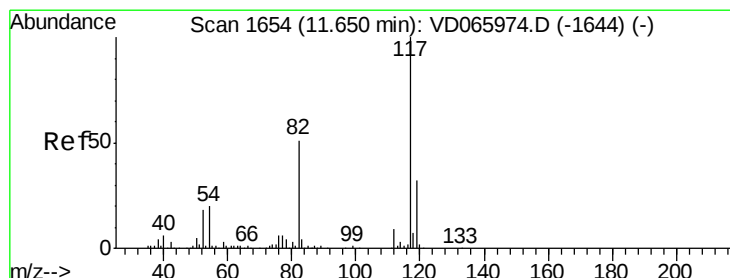
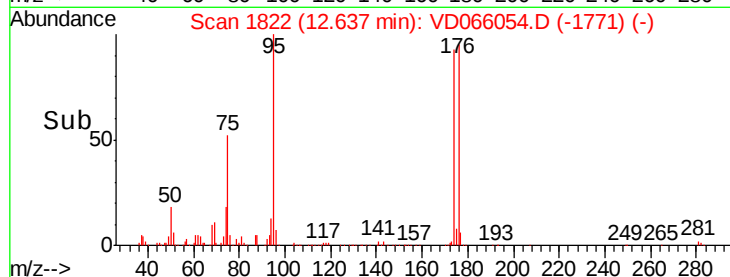
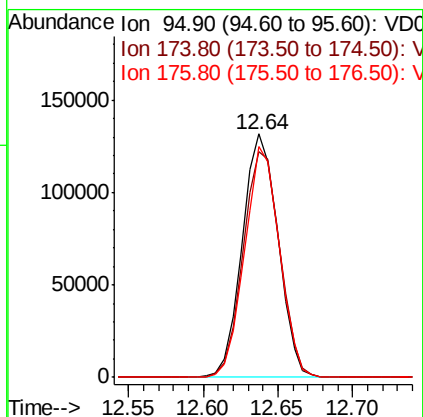
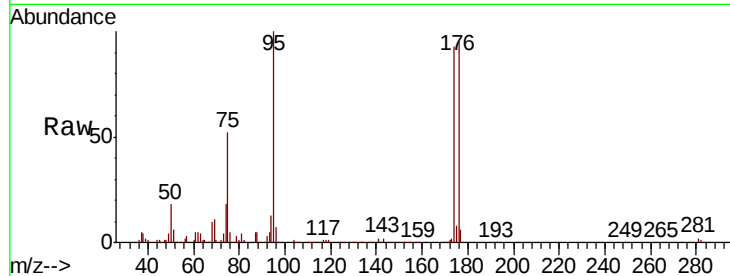




#62
4-Bromofluorobenzene
Concen: 61.917 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066054.D
Acq: 24 Jul 2020 18:24

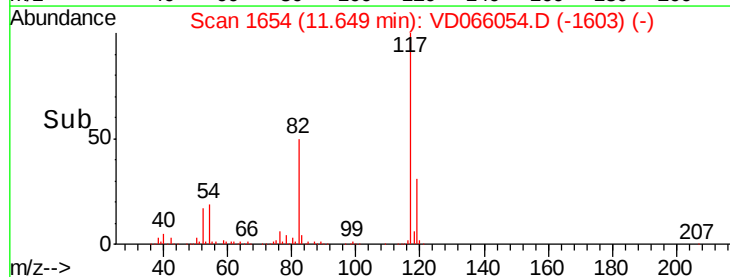
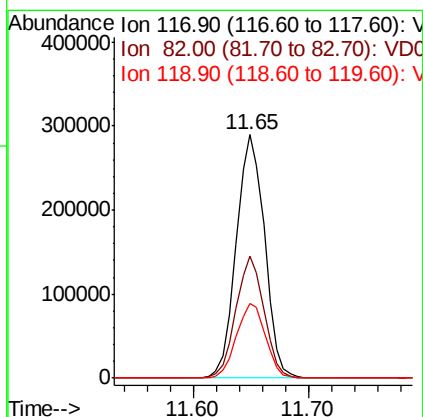
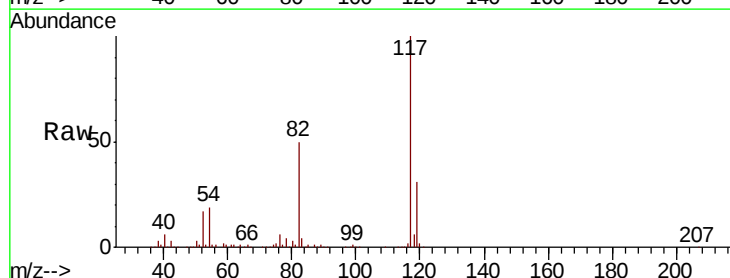
Instrument :
MSVOA_D
ClientSampleId :
TS1

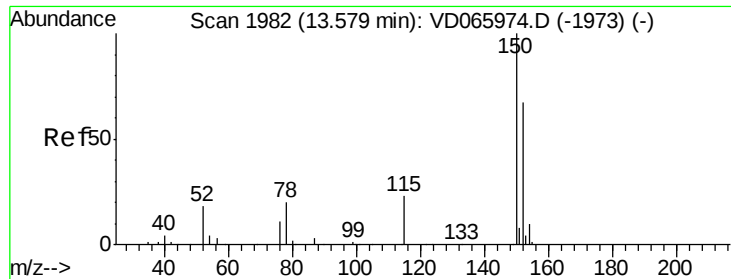
Tot Ion: 95 Resp: 218307
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.8
176 92.0 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066054.D
Acq: 24 Jul 2020 18:24

Tgt Ion: 117 Resp: 489716
Ion Ratio Lower Upper
117 100
82 50.0 41.1 61.7
119 30.7 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: VD066054.D

Acq: 24 Jul 2020 18:24

Instrument :

MSVOA_D

ClientSampleId :

TS1

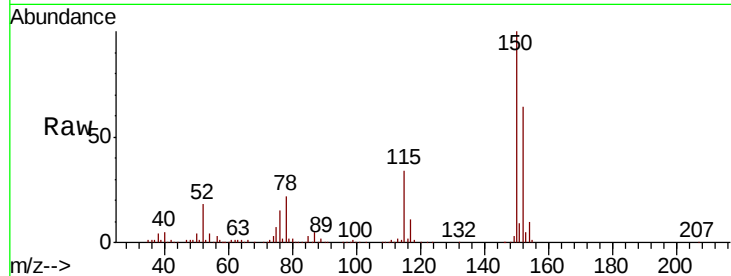
Tot Ion:152 Resp: 254330

Ion Ratio Lower Upper

152 100

115 54.8 27.9 83.7

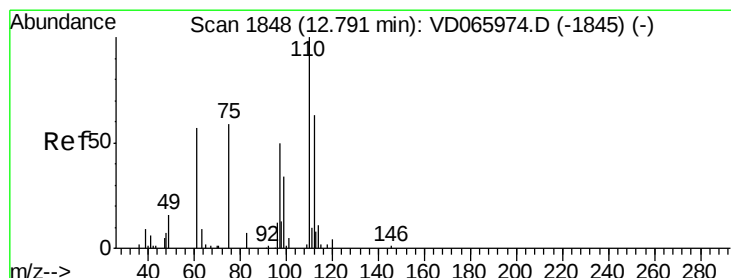
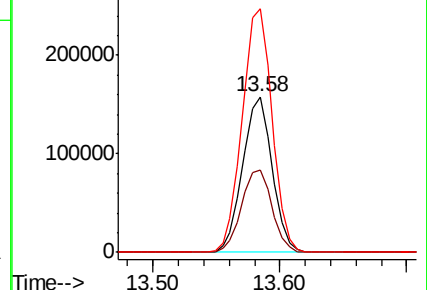
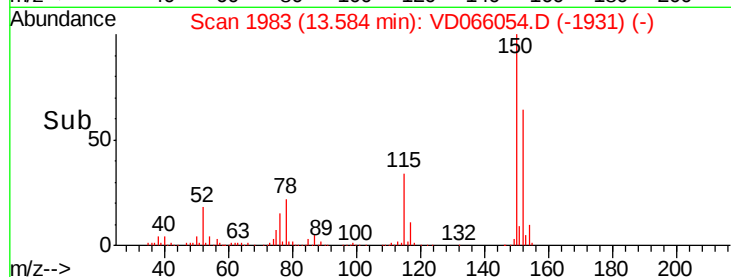
150 159.3 0.0 348.2



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: 57.958 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066054.D

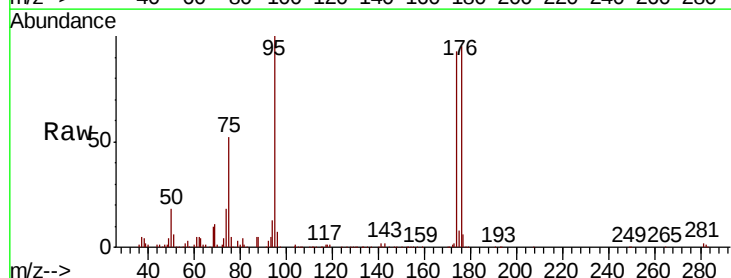
Acq: 24 Jul 2020 18:24

Tgt Ion: 75 Resp: 110988

Ion Ratio Lower Upper

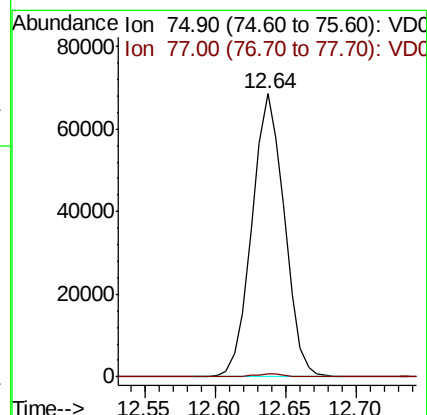
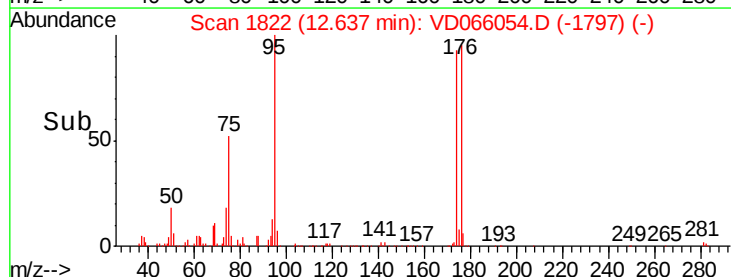
75 100

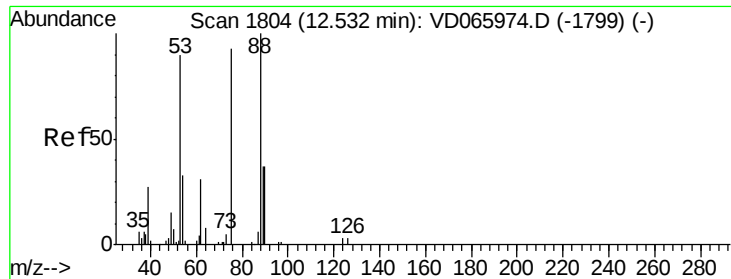
77 1.0 0.0 0.0#



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: 132.993 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066054.D
 Acq: 24 Jul 2020 18:24

Instrument :
 MSVOA_D
 ClientSampleId :
 TS1

Tot Ion: 75 Resp: 110988
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.8 115.2#
 89 0.1 37.0 55.4#

