

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065988.D
 Acq On : 21 Jul 2020 18:56
 Operator : VA/SY
 Sample : L3184-13
 Misc : 7.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-072020

Quant Time: Jul 22 01:38:49 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	295569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	558886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	582940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304462	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	149930	62.34	ug/l	0.00
Spiked Amount						
			Recovery	=	124.68%	
35) Dibromofluoromethane	7.92	113	179678	53.01	ug/l	0.00
Spiked Amount						
			Recovery	=	106.02%	
50) Toluene-d8	10.34	98	667681	52.87	ug/l	0.00
Spiked Amount						
			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.64	95	275138	62.84	ug/l	0.00
Spiked Amount						
			Recovery	=	125.68%	

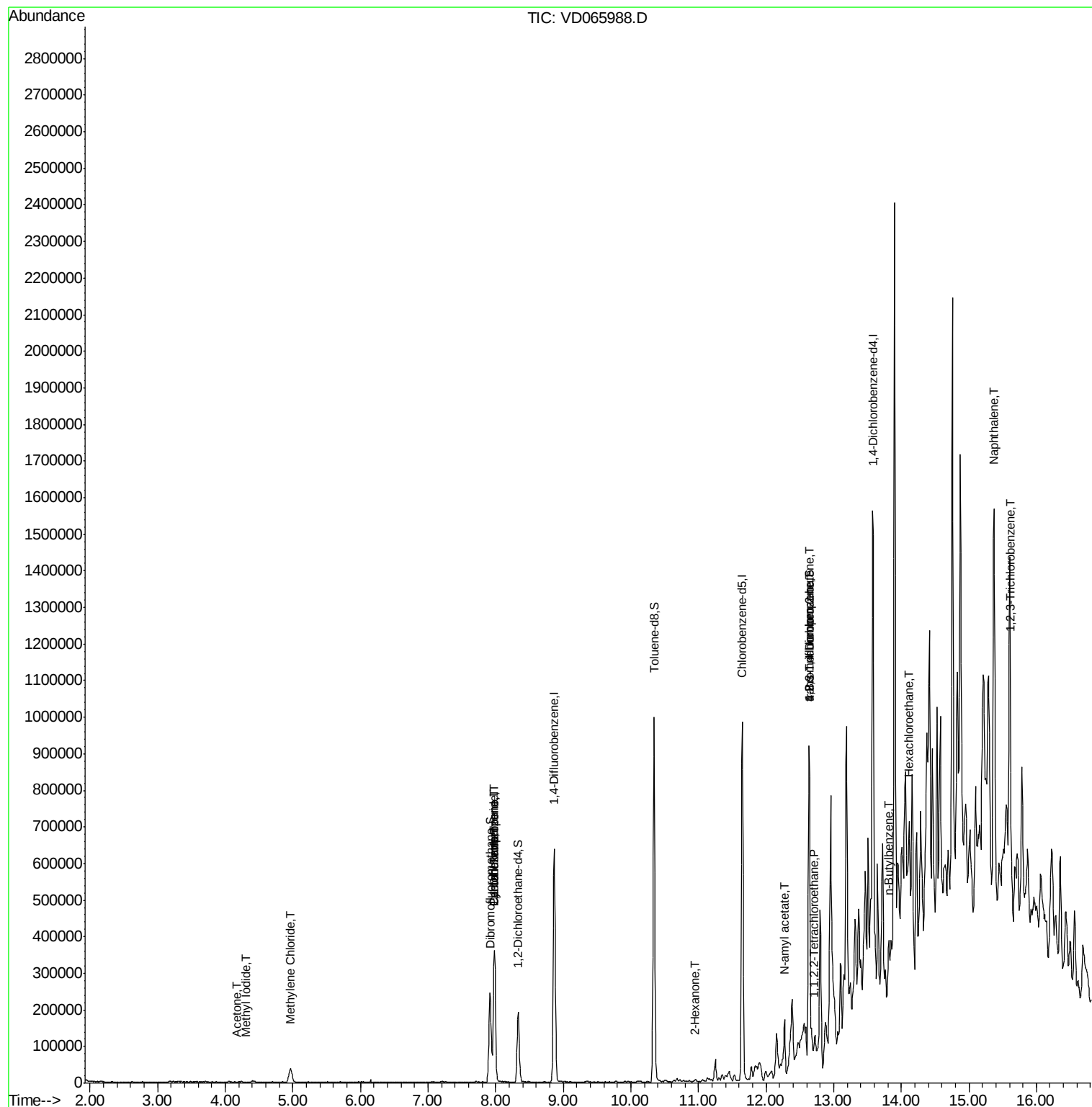
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	147	Below Cal	#	8
10) Methyl Iodide	4.30	142	232	8.886	ug/l #	42
16) Acetone	4.17	43	1291	2.652	ug/l	91
20) Methylene Chloride	4.97	84	29603	8.539	ug/l	92
31) Cyclohexane	7.98	56	5495	1.270	ug/l #	39
36) 1,1-Dichloropropene	7.98	75	20231	4.241	ug/l #	47
38) Carbon Tetrachloride	7.98	117	26891	5.196	ug/l #	16
59) 2-Hexanone	10.96	43	3382	2.722	ug/l #	26
74) N-amyl acetate	12.27	43	35156	9.204	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.71	83	6755	2.219	ug/l #	92
76) 1,2,3-Trichloropropane	12.64	75	133231	58.117	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	133231	133.360	ug/l #	11
89) n-Butylbenzene	13.81	91	17360	1.126	ug/l #	1
90) Hexachloroethane	14.12	117	4388	1.279	ug/l #	7
95) Naphthalene	15.37	128	13039	4.800	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.62	180	5289	1.119	ug/l #	12

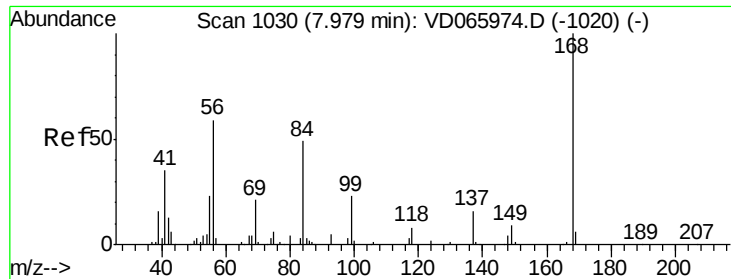
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065988.D

Acq: 21 Jul 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

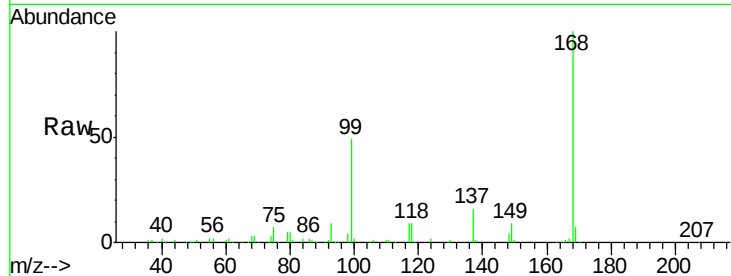
EO-03-072020

Tot Ion:168 Resp: 295569

Ion Ratio Lower Upper

168 100

99 49.3 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

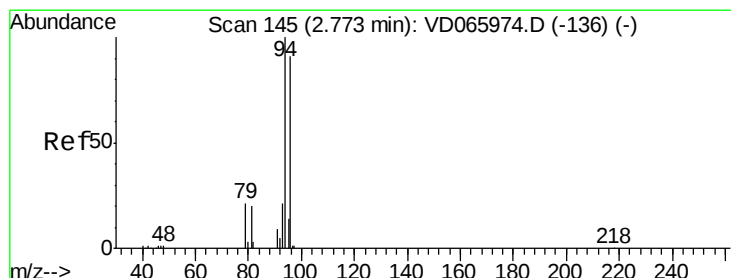
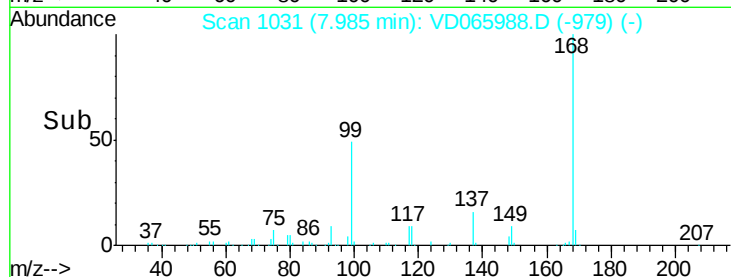
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD065988.D

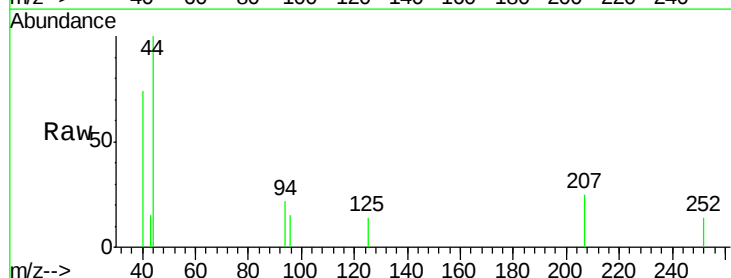
Acq: 21 Jul 2020 18:56

Tgt Ion: 94 Resp: 147

Ion Ratio Lower Upper

94 100

96 3.8 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

400

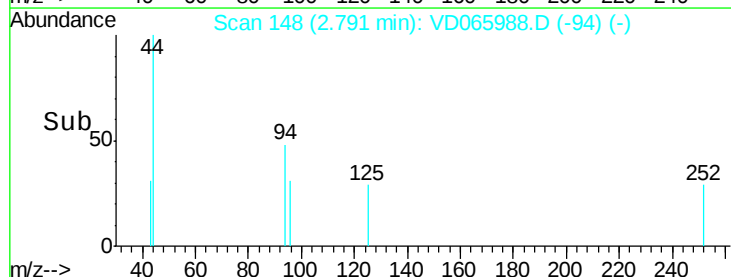
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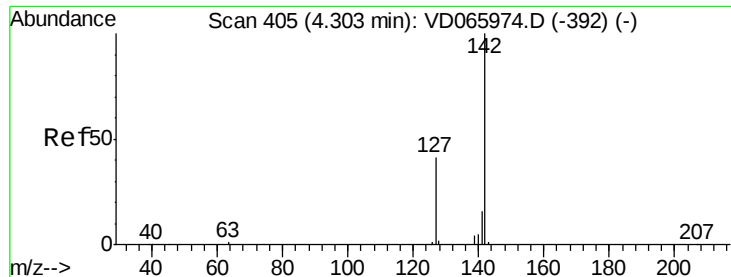
200

100

0

Time-->

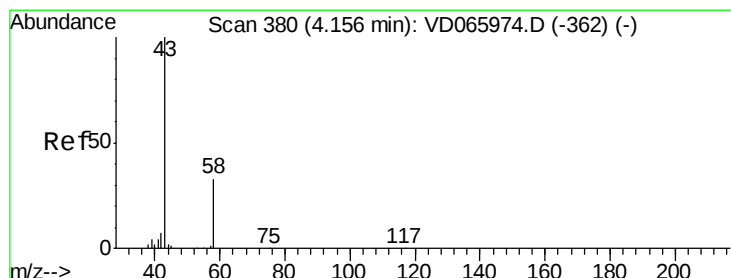
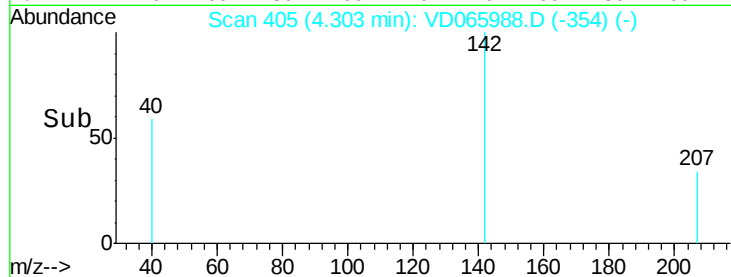
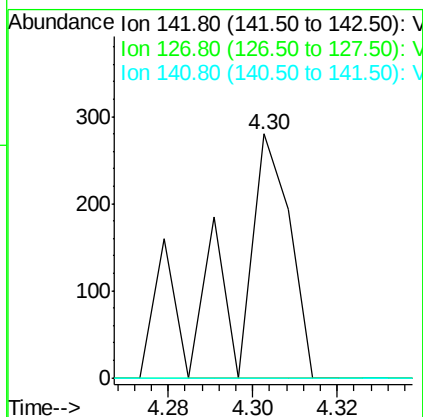
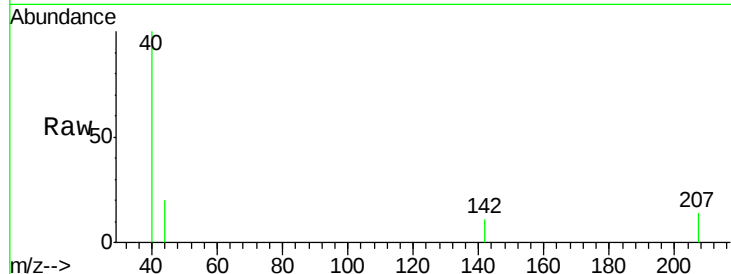




#10
Methvl Iodide
Concen: 8.886 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

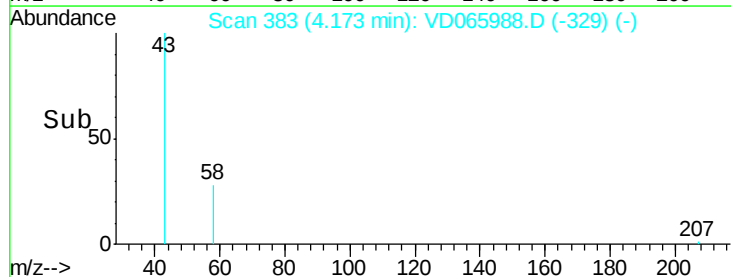
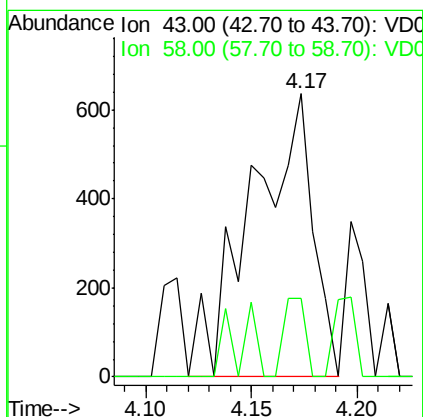
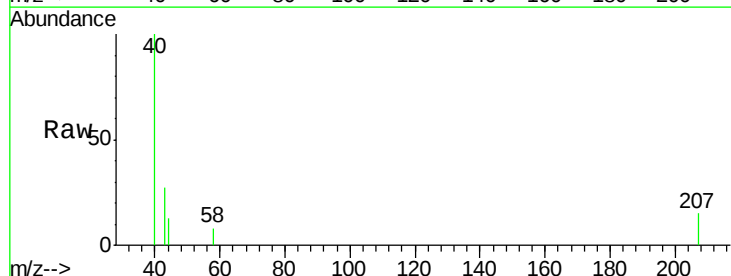
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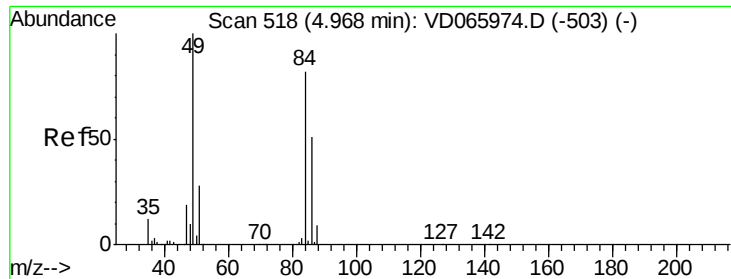
Tot Ion:142 Resp: 232
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 2.652 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.02 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

Tgt Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
58 27.7 26.3 39.5

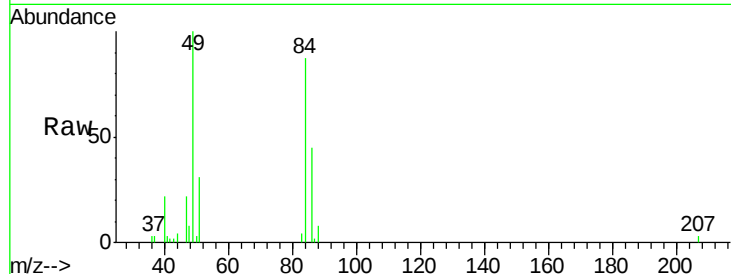




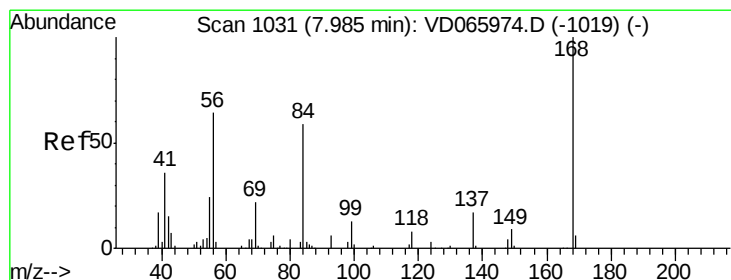
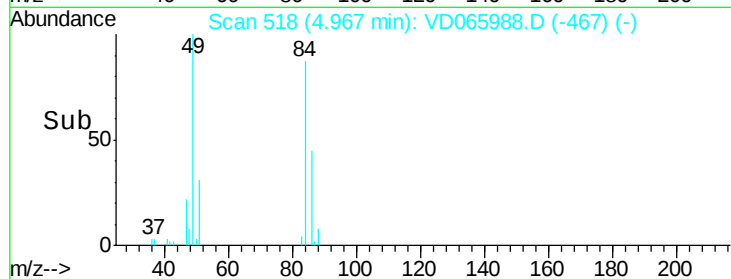
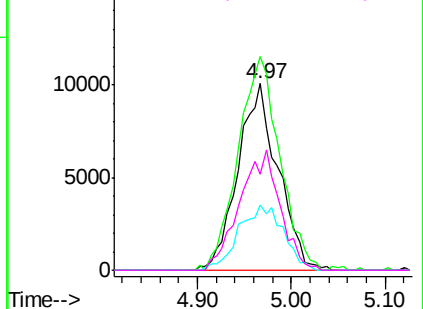
#20
Methylene Chloride
Concen: 8.539 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

Instrument :
MSVOA_D
ClientSampleId :
EO-03-072020

Tot Ion:	84	Resp:	29603
Ion	Ratio	Lower	Upper
84	100		
49	114.5	97.7	146.5
51	35.1	27.4	41.2
86	51.3	49.4	74.2

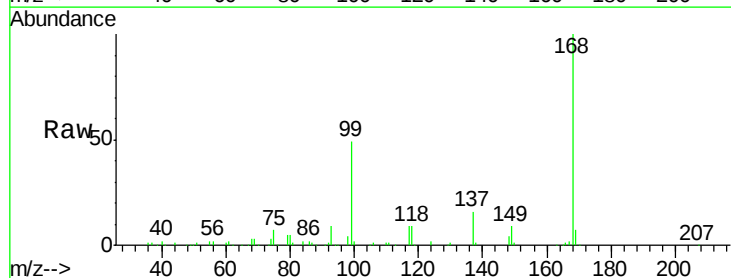


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

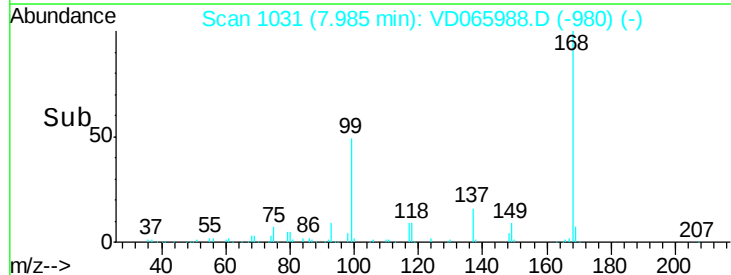
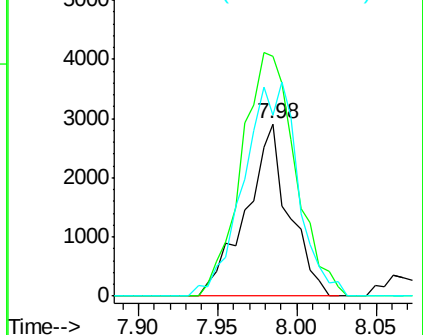


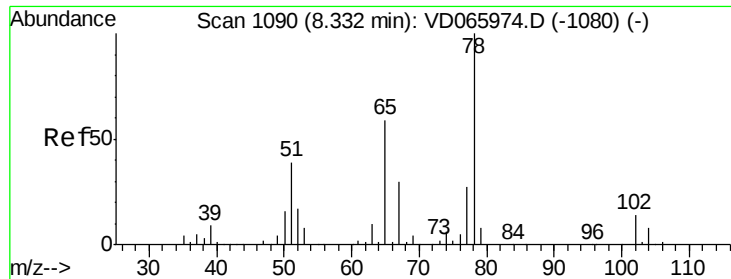
#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

Tgt Ion:	56	Resp:	5495
Ion	Ratio	Lower	Upper
56	100		
69	139.3	28.0	42.0#
84	104.8	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

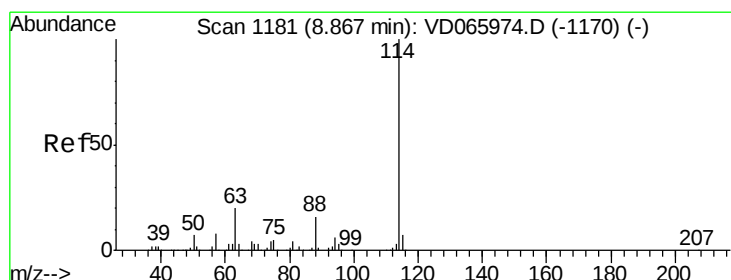
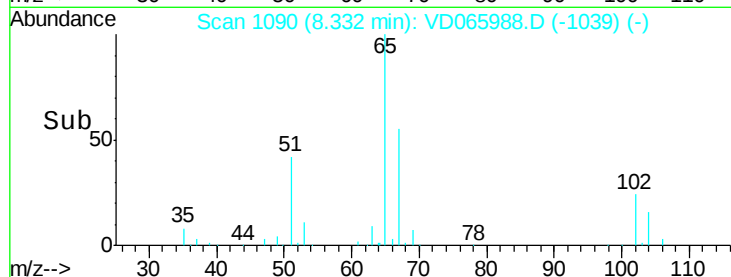
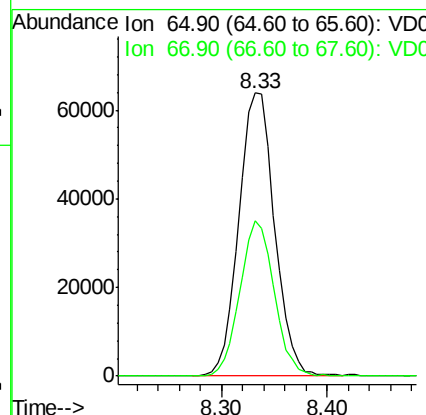
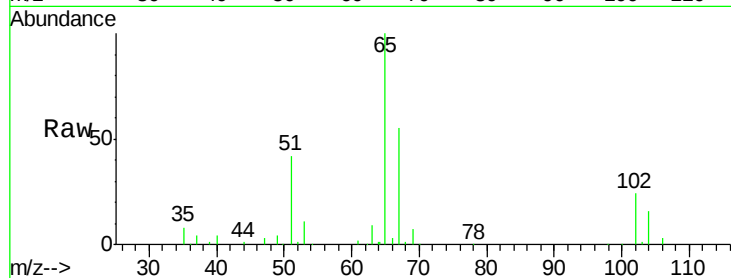




#33
 1,2-Dichloroethane-d4
 Concen: 62.341 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065988.D
 Acq: 21 Jul 2020 18:56

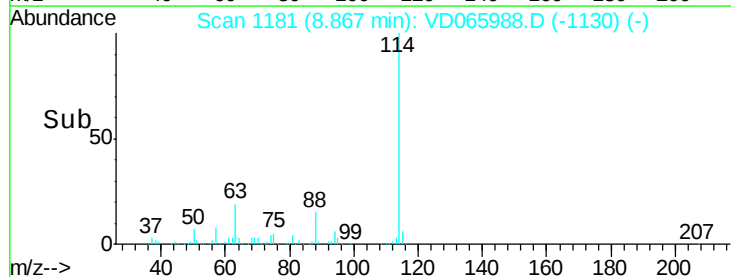
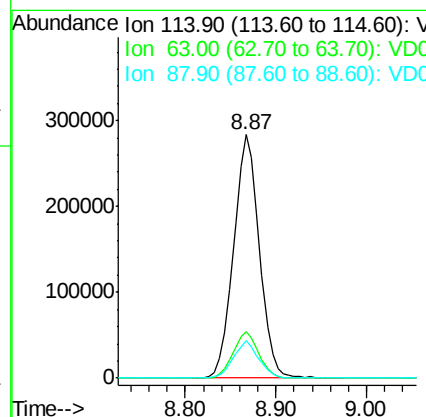
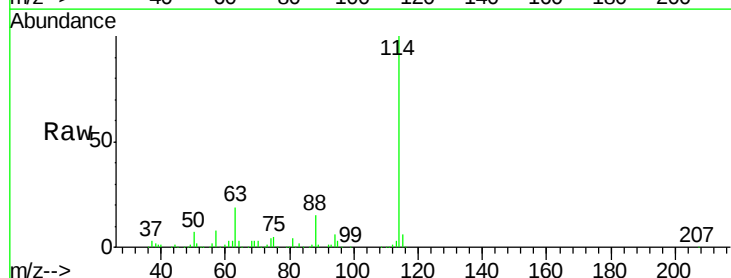
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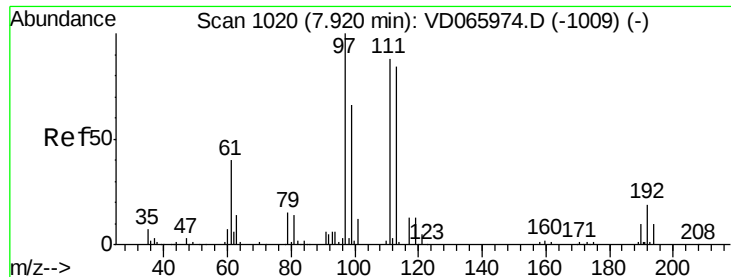
Tot Ion: 65 Resp: 149930
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065988.D
 Acq: 21 Jul 2020 18:56

Tgt Ion: 114 Resp: 558886
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 15.4 0.0 31.2

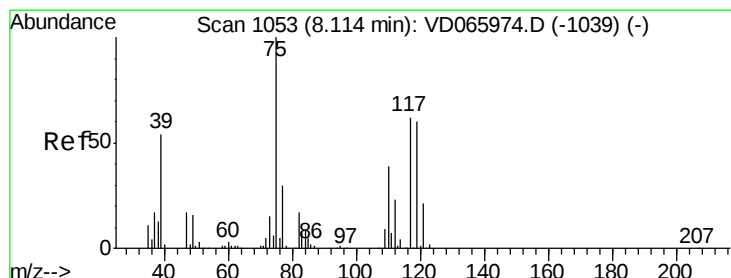
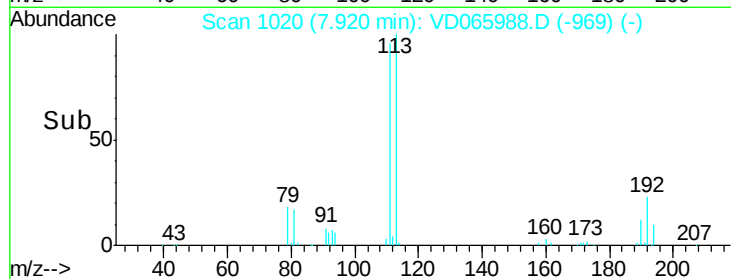
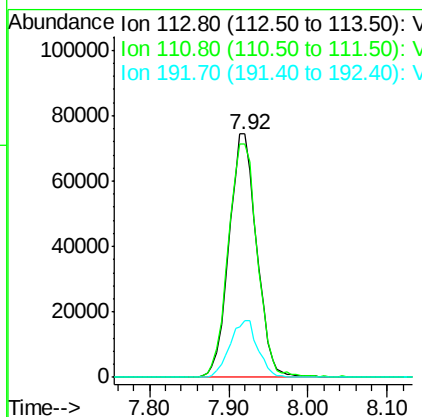
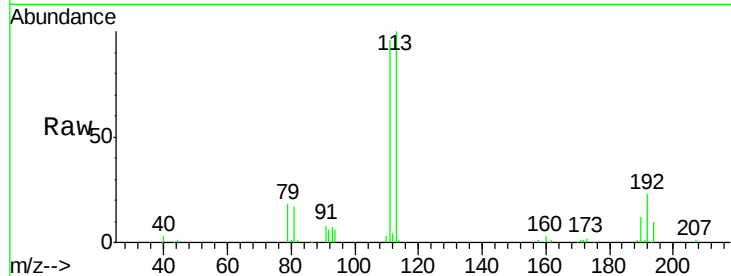




#35
 Dibromofluoromethane
 Concen: 53.005 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065988.D
 Acq: 21 Jul 2020 18:56

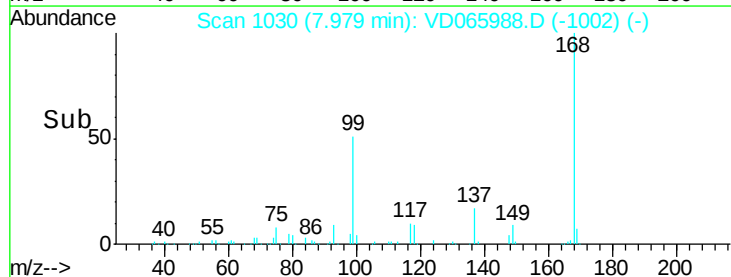
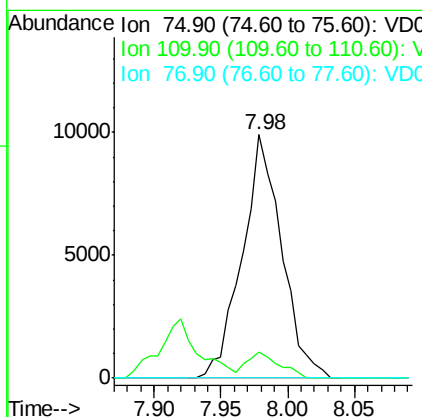
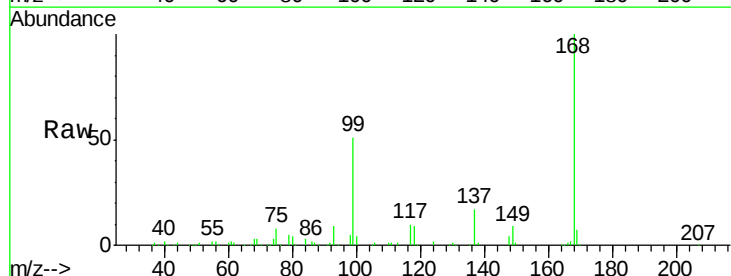
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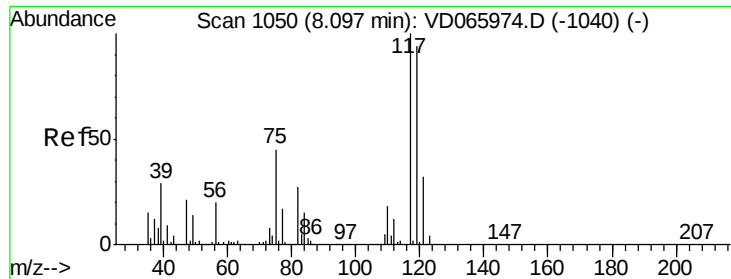
Tot Ion:113 Resp: 179678
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.2 124.8
 192 23.5 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 4.241 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065988.D
 Acq: 21 Jul 2020 18:56

Tgt Ion: 75 Resp: 20231
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.5 58.5#
 77 0.0 24.7 37.1#

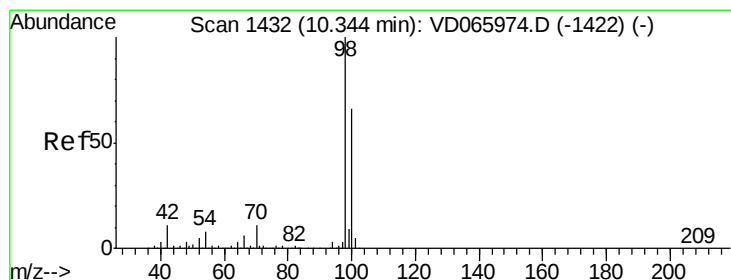
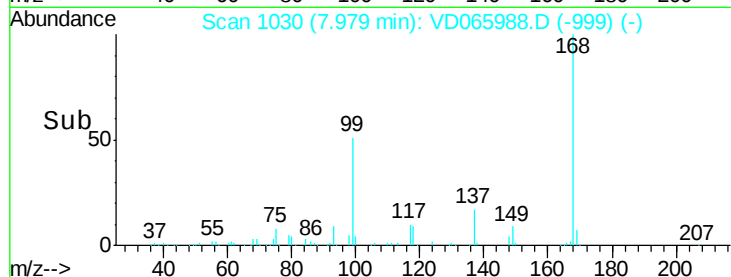
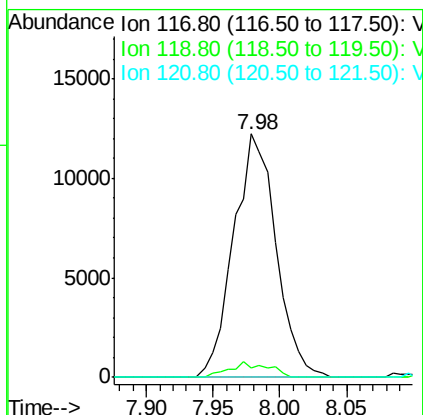
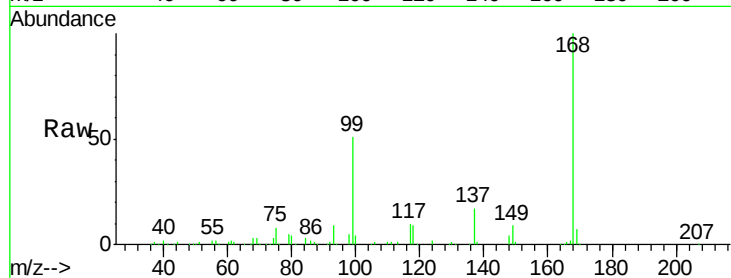




#38
Carbon Tetrachloride
Concen: 5.196 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

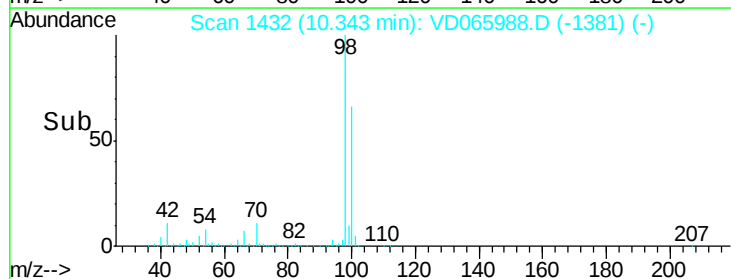
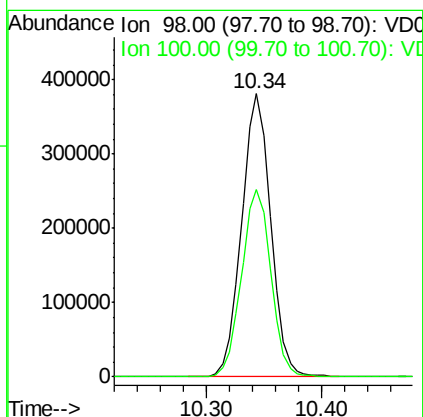
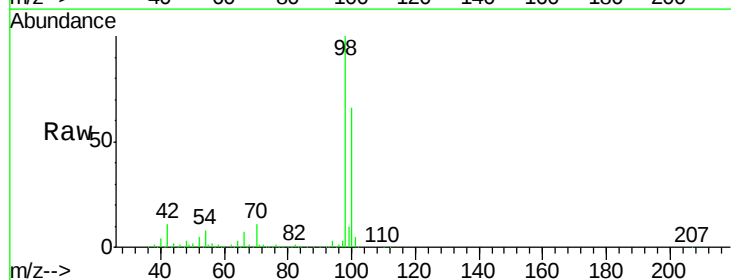
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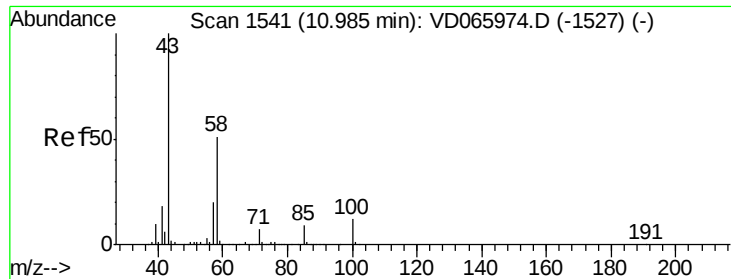
Tot Ion:117 Resp: 26891
Ion Ratio Lower Upper
117 100
119 3.6 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 52.873 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

Tgt Ion: 98 Resp: 667681
Ion Ratio Lower Upper
98 100
100 66.9 52.7 79.1

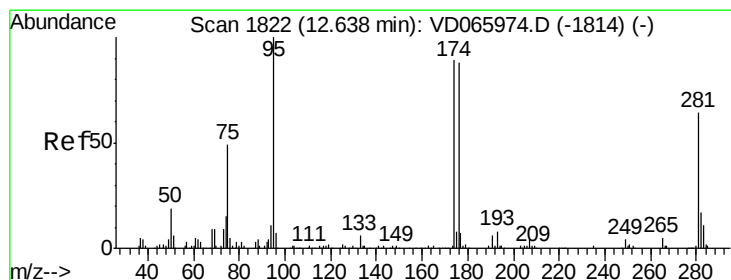
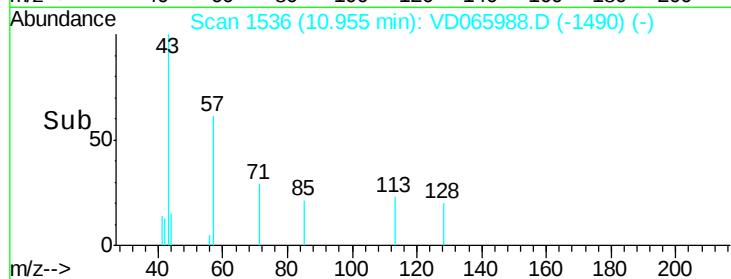
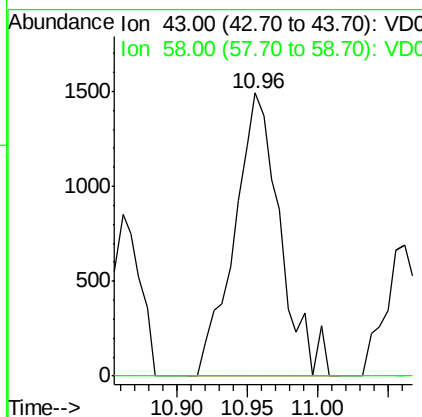
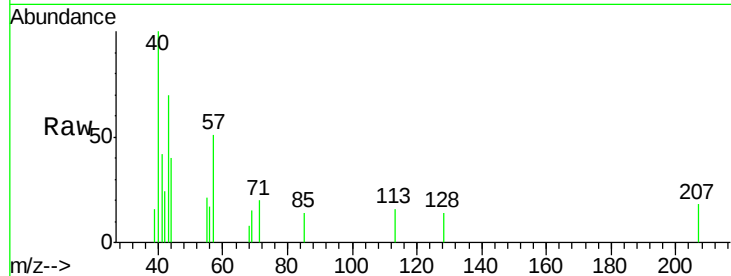




#59
2-Hexanone
Concen: 2.722 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.03 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

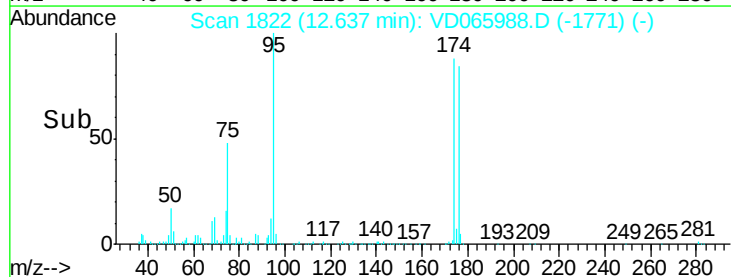
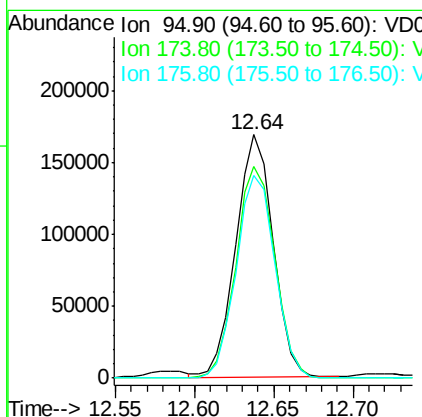
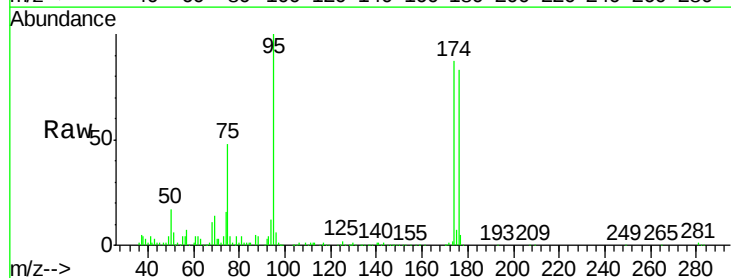
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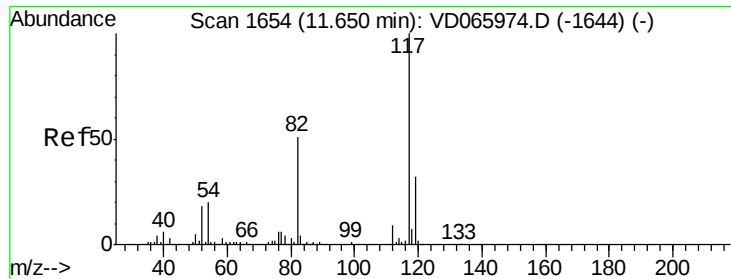
Tot Ion: 43 Resp: 3382
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 62.837 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

Tgt Ion: 95 Resp: 275138
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.8
176 87.0 0.0 172.6

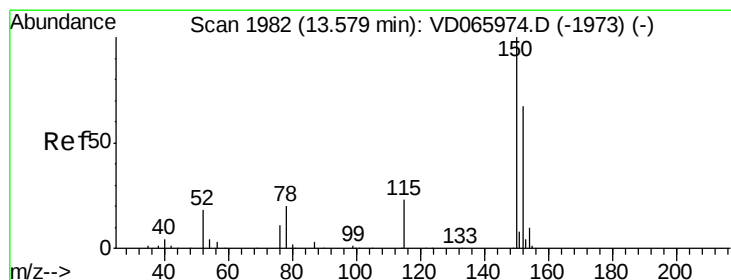
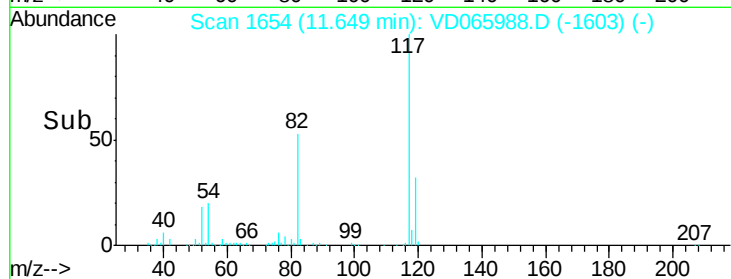
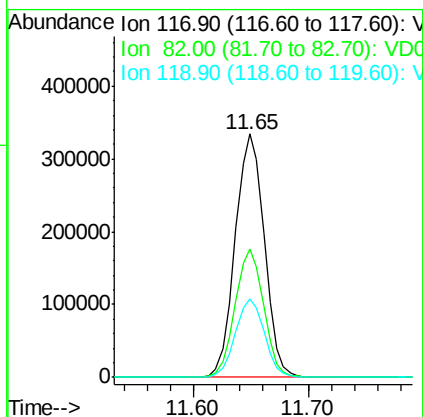
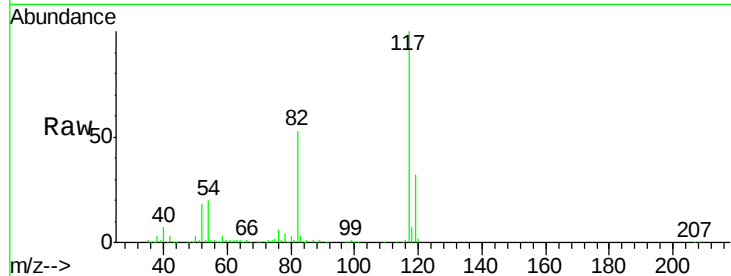




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

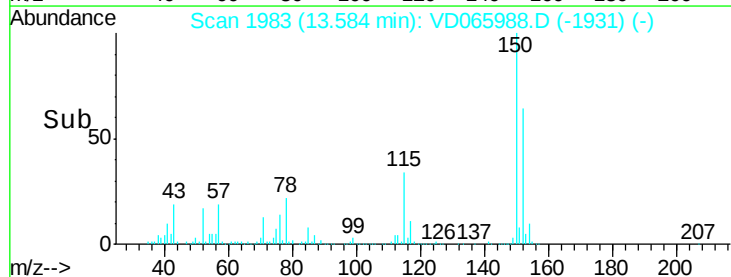
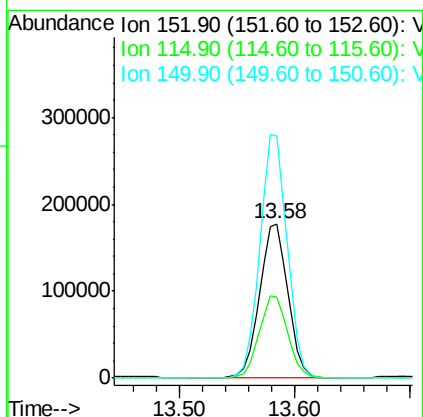
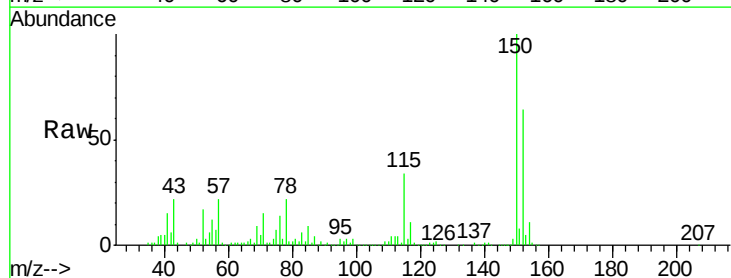
Instrument :
MSVOA_D
ClientSampleId :
EO-03-072020

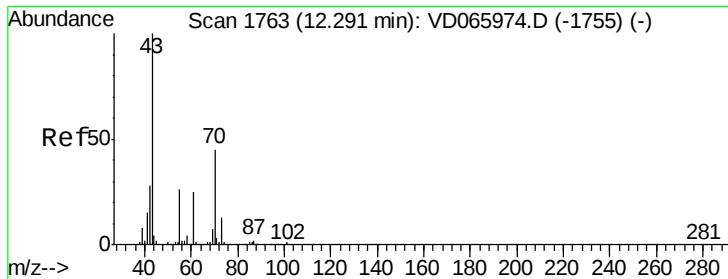
Tot Ion:117 Resp: 582940
Ion Ratio Lower Upper
117 100
82 52.8 41.1 61.7
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

Tgt Ion:152 Resp: 304462
Ion Ratio Lower Upper
152 100
115 54.0 27.9 83.7
150 152.7 0.0 348.2





#74

N-amvl acetate

Concen: 9.204 ug/l

RT: 12.27 min Scan# 1760

Delta R.T. -0.02 min

Lab File: VD065988.D

Acq: 21 Jul 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

EO-03-072020

Tot Ion: 43 Resp: 35156

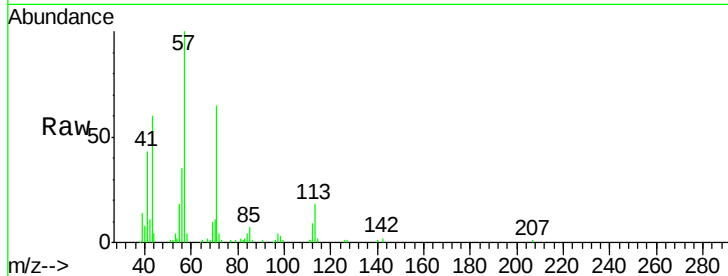
Ion Ratio Lower Upper

43 100

70 26.9 34.6 51.8#

55 0.0 20.3 30.5#

61 0.0 19.5 29.3#

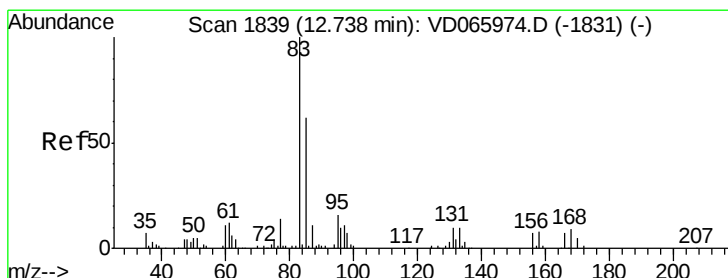
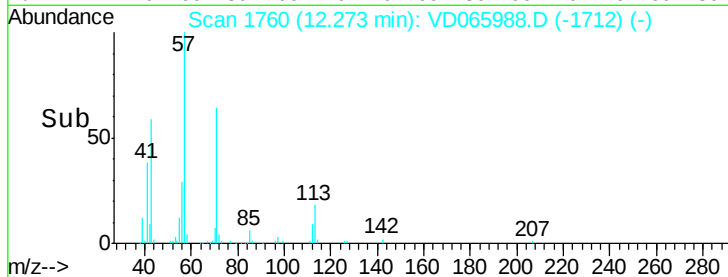
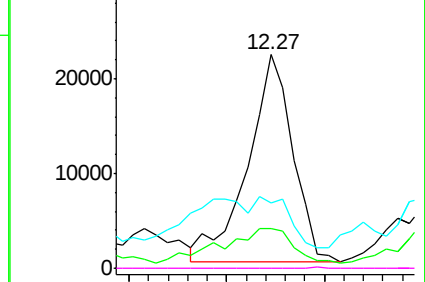


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 2.219 ug/l

RT: 12.71 min Scan# 1834

Delta R.T. -0.03 min

Lab File: VD065988.D

Acq: 21 Jul 2020 18:56

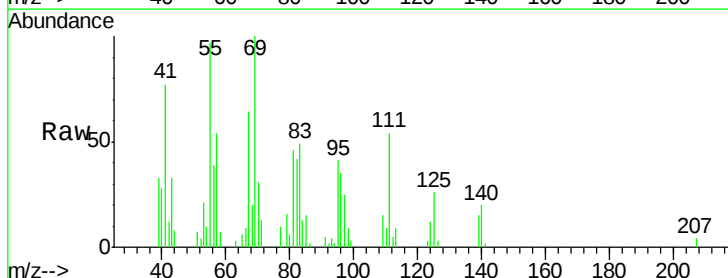
Tgt Ion: 83 Resp: 6755

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

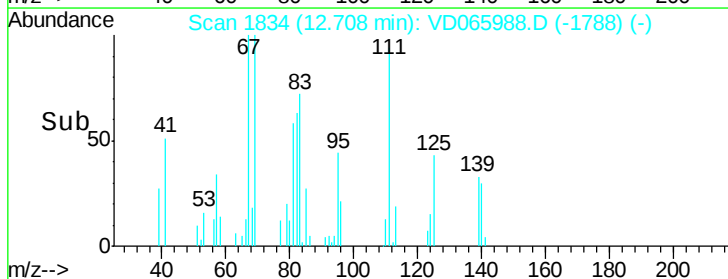
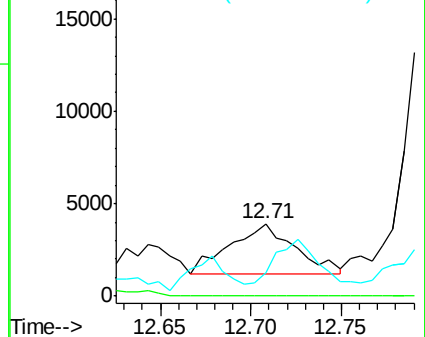
85 60.5 31.9 95.5

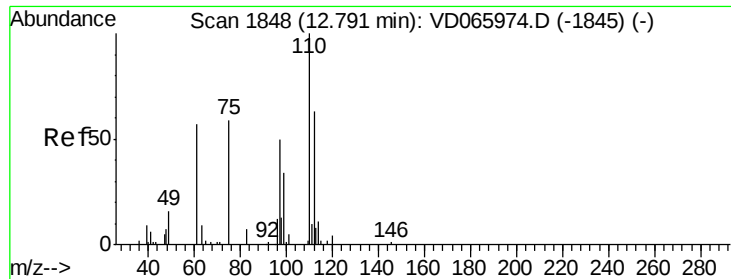


Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VDC

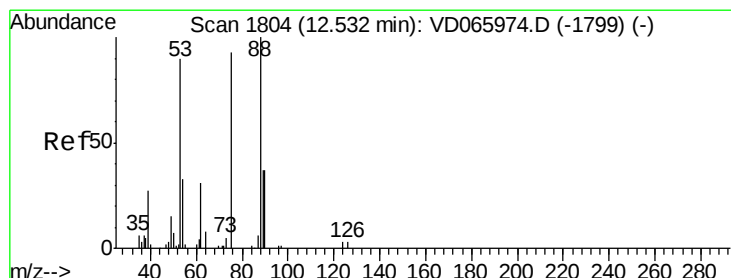
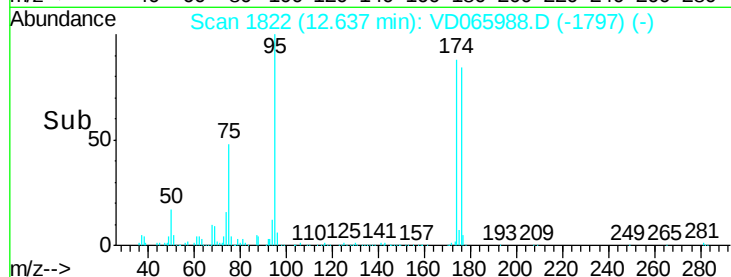
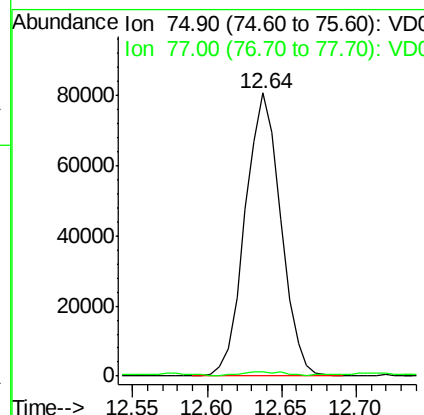
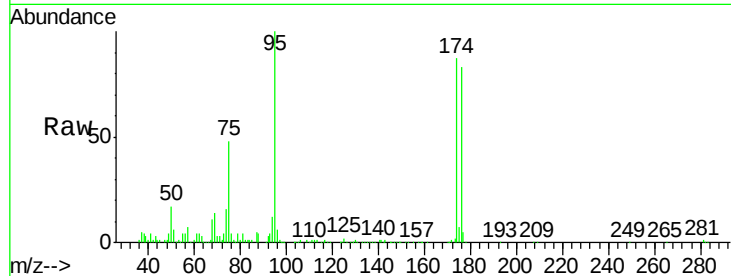




#76
 1,2,3-Trichloropropane
 Concen: 58.117 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065988.D
 Acq: 21 Jul 2020 18:56

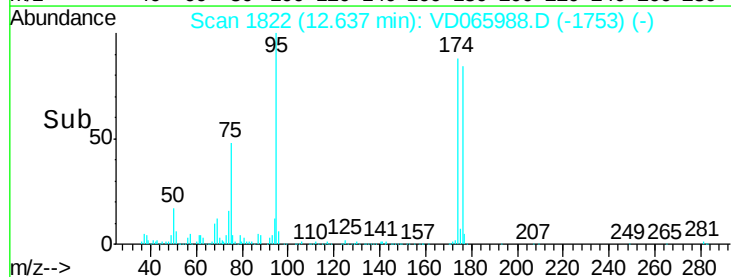
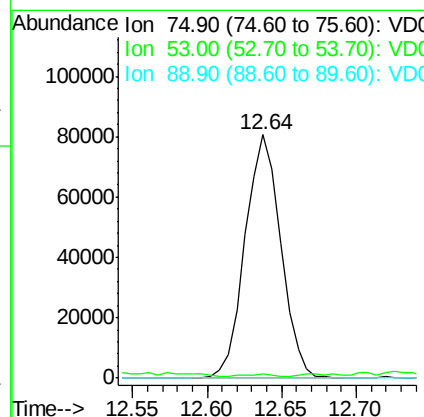
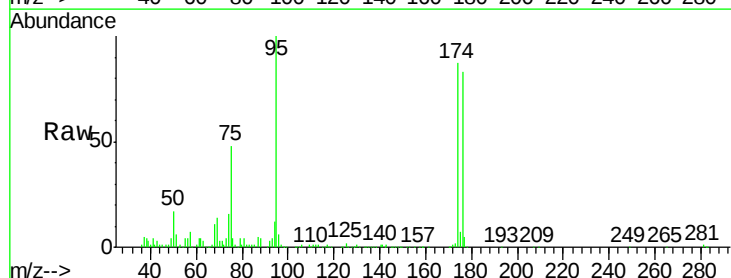
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-03-072020

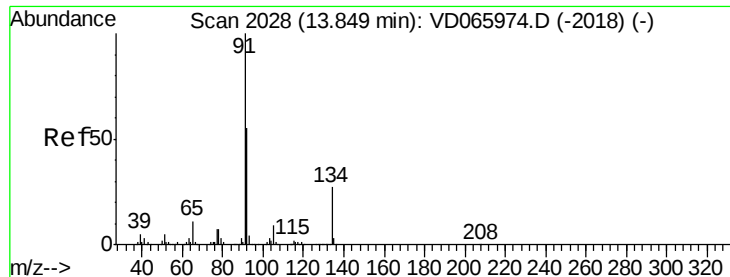
Tot Ion: 75 Resp: 133231
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.360 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD065988.D
 Acq: 21 Jul 2020 18:56

Tgt Ion: 75 Resp: 133231
 Ion Ratio Lower Upper
 75 100
 53 0.7 76.8 115.2#
 89 0.0 37.0 55.4#

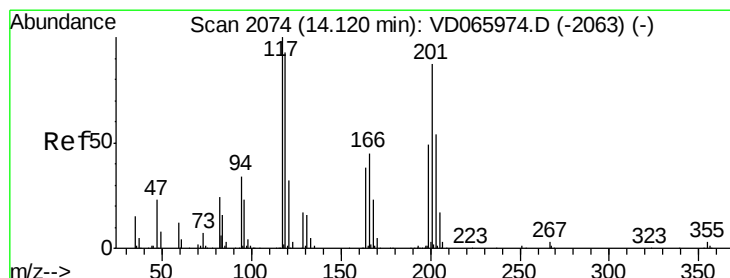
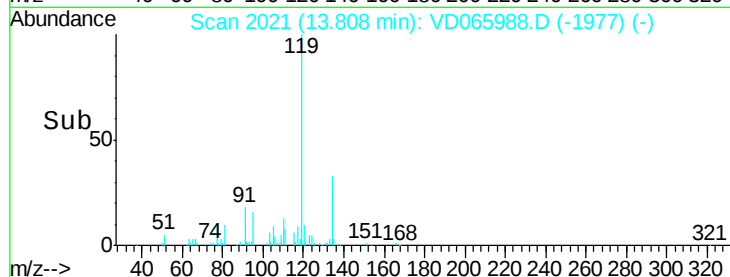
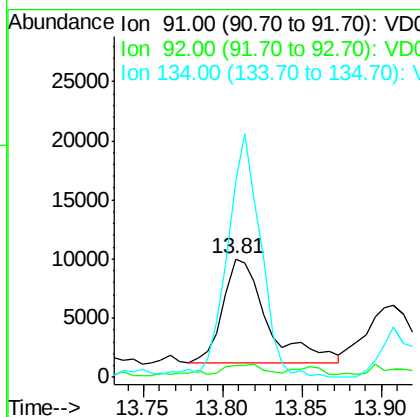
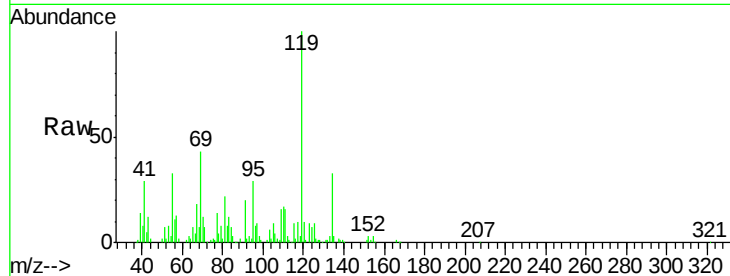




#89
n-Butylbenzene
Concen: 1.126 ug/l
RT: 13.81 min Scan# 2021
Delta R.T. -0.04 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

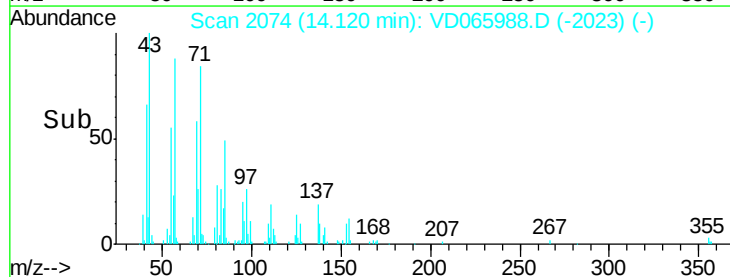
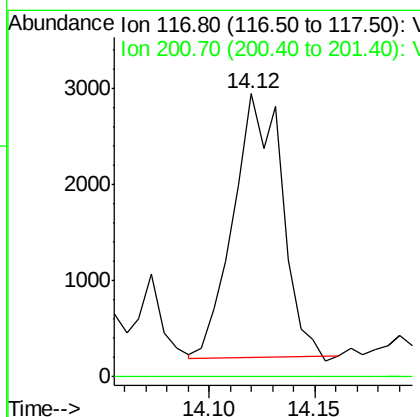
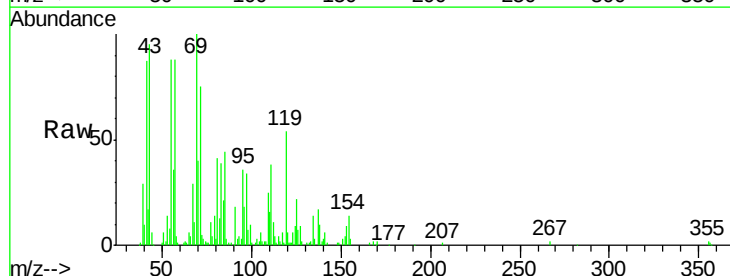
Instrument :
MSVOA_D
ClientSampleId :
EO-03-072020

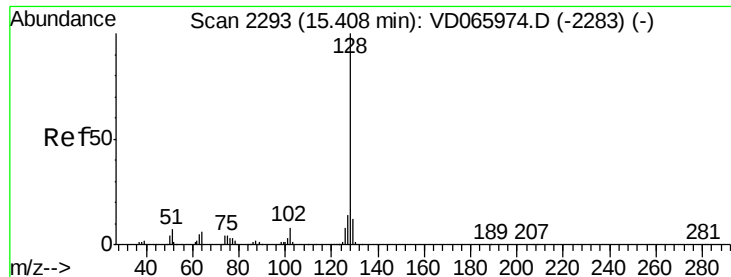
Tot Ion: 91 Resp: 17360
Ion Ratio Lower Upper
91 100
92 7.8 27.2 81.6#
134 175.2 13.8 41.4#



#90
Hexachloroethane
Concen: 1.279 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065988.D
Acq: 21 Jul 2020 18:56

Tgt Ion: 117 Resp: 4388
Ion Ratio Lower Upper
117 100
201 0.0 42.0 126.1#





#95

Naphthalene

Concen: 4.800 ug/l

RT: 15.37 min Scan# 2287

Delta R.T. -0.04 min

Lab File: VD065988.D

Acq: 21 Jul 2020 18:56

Instrument :

MSVOA_D

ClientSampleId :

EO-03-072020

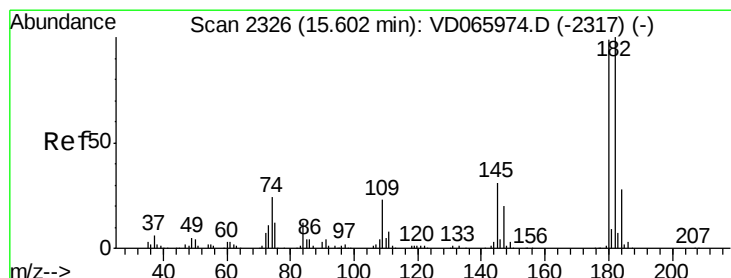
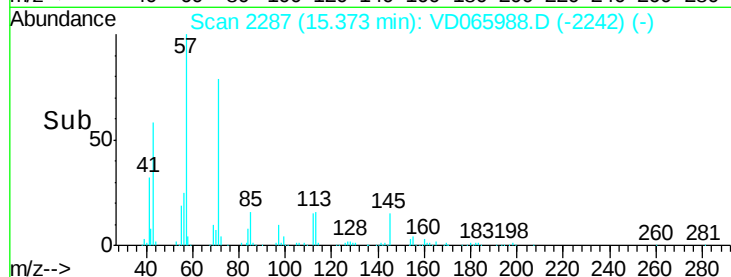
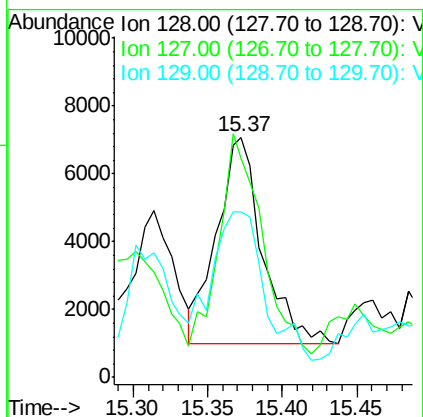
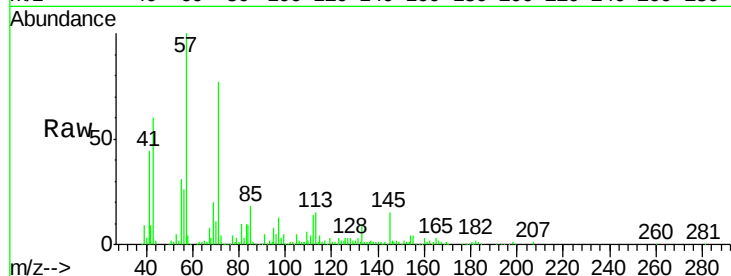
Tot Ion:128 Resp: 13039

Ion Ratio Lower Upper

128 100

127 98.7 10.8 16.2#

129 83.6 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 1.119 ug/l

RT: 15.62 min Scan# 2329

Delta R.T. 0.02 min

Lab File: VD065988.D

Acq: 21 Jul 2020 18:56

Tgt Ion:180 Resp: 5289

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.6#

145 0.0 15.4 46.2#

