

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066020.D
 Acq On : 23 Jul 2020 13:18
 Operator : VA/SY
 Sample : L3360-04RE
 Misc : 6.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3RE

Quant Time: Jul 24 03:03:46 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	286634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	493281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	516915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264743	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	132312	56.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.46%	
35) Dibromofluoromethane	7.92	113	76237	25.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	50.96%	
50) Toluene-d8	10.34	98	587385	52.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.64	95	235261	60.88	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.76%	

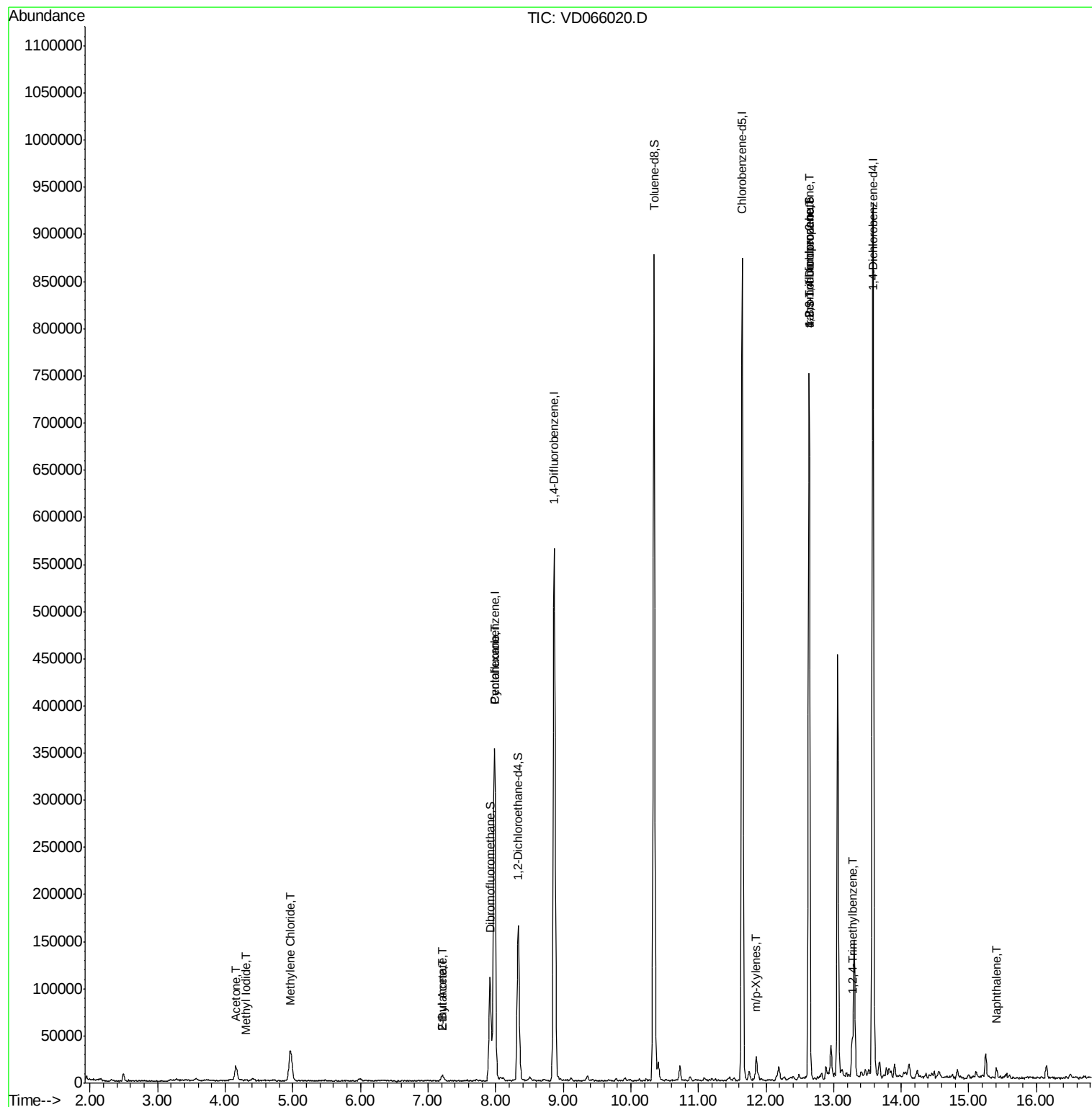
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	228	Below Cal		99
10) Methyl Iodide	4.31	142	392	8.941	ug/l #	67
16) Acetone	4.16	43	27848	58.988	ug/l	93
20) Methylene Chloride	4.96	84	27508	8.050	ug/l	86
25) 2-Butanone	7.21	43	6746	10.769	ug/l	93
31) Cyclohexane	7.98	56	6556	1.563	ug/l #	47
37) Ethyl Acetate	7.21	43	6746	4.196	ug/l #	75
68) m/p-Xylenes	11.86	106	6997	1.118	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	116585	58.486	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	116585	134.205	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.27	105	21330	1.643	ug/l	97
95) Naphthalene	15.41	128	9288	4.574	ug/l	98

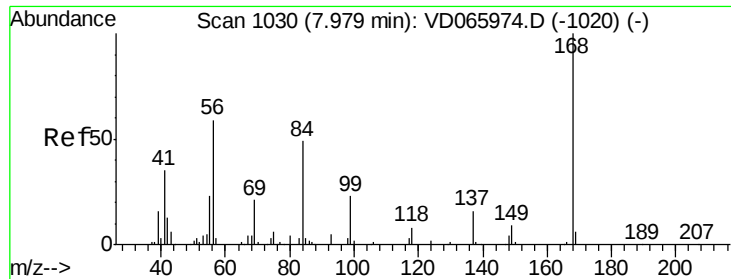
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066020.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

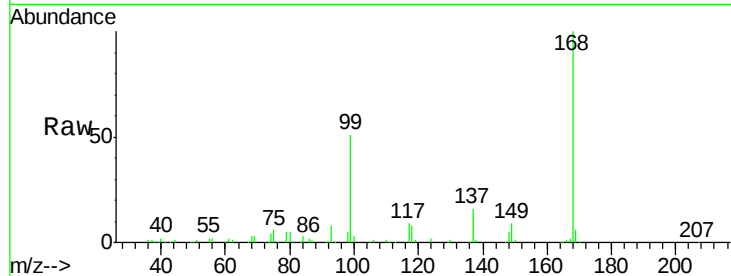
SP-3RE

Tot Ion:168 Resp: 286634

Ion Ratio Lower Upper

168 100

99 50.7 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

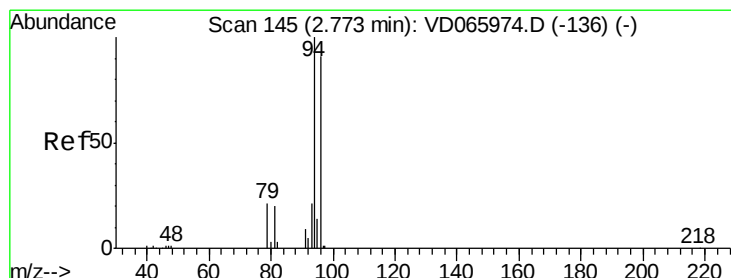
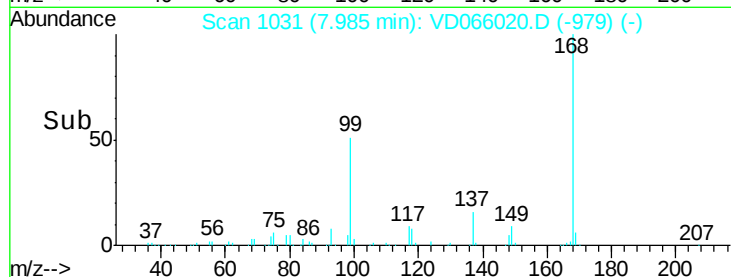
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066020.D

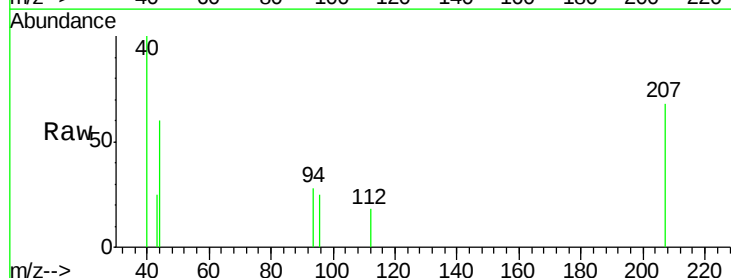
Acq: 23 Jul 2020 13:18

Tgt Ion: 94 Resp: 228

Ion Ratio Lower Upper

94 100

96 90.0 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

250

200

150

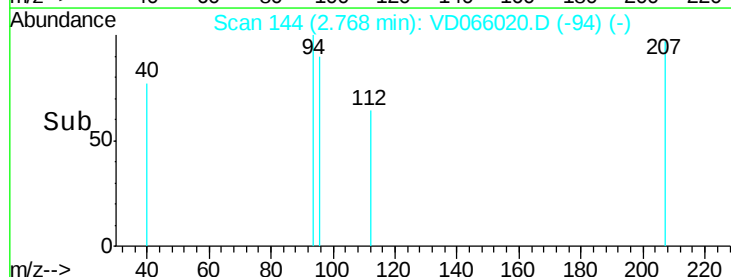
100

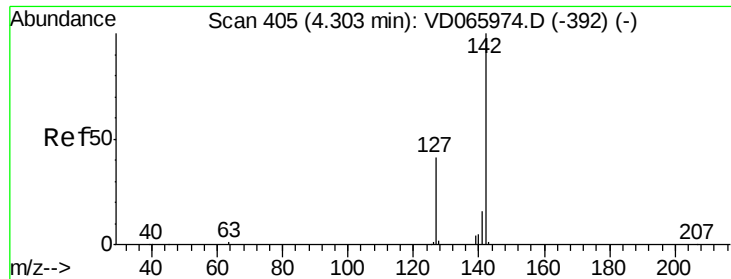
50

0

Time-->

2.74 2.75 2.76 2.77 2.78

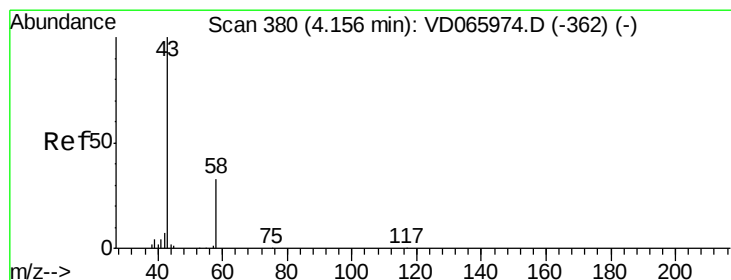
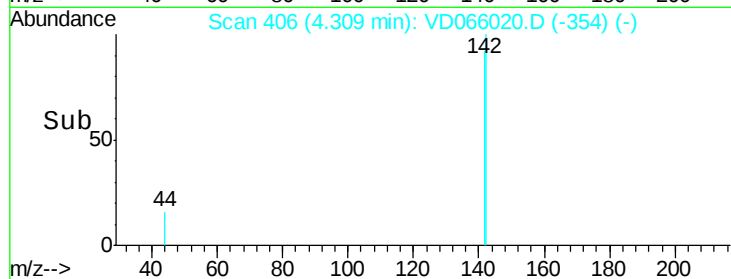
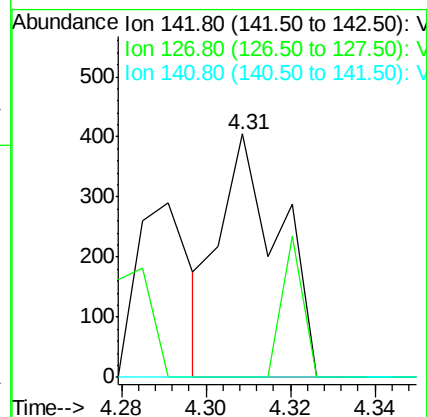
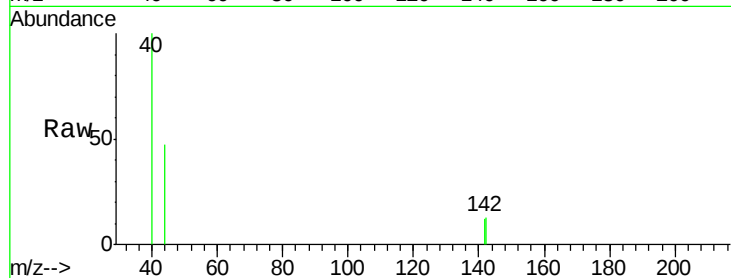




#10
Methvl Iodide
Concen: 8.941 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.01 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

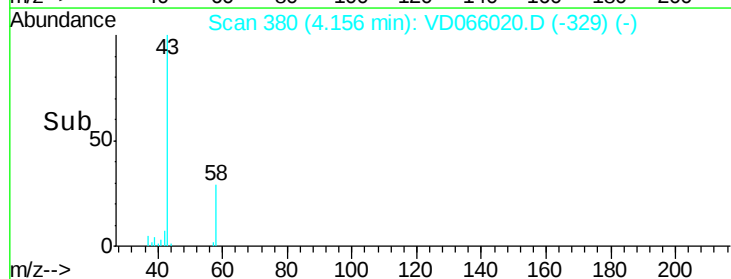
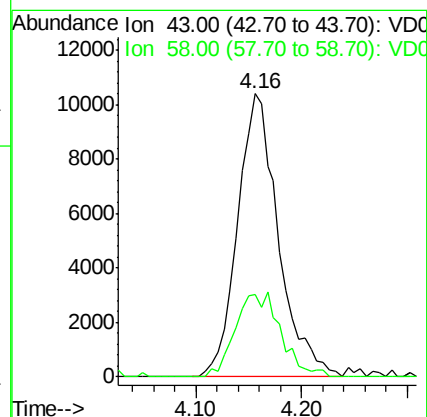
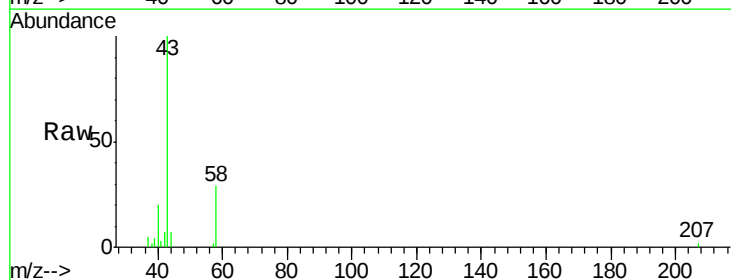
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SP-3RE

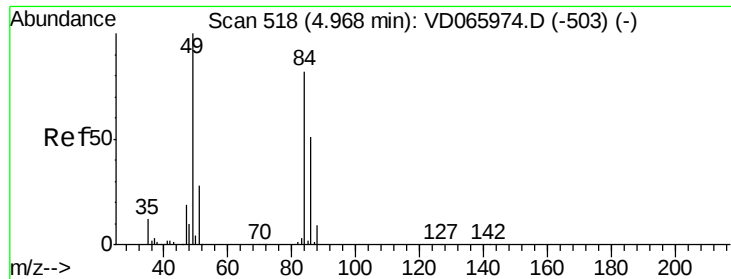
Tot Ion:142 Resp: 392
Ion Ratio Lower Upper
142 100
127 21.2 32.9 49.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 58.988 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.00 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 43 Resp: 27848
Ion Ratio Lower Upper
43 100
58 29.1 26.3 39.5

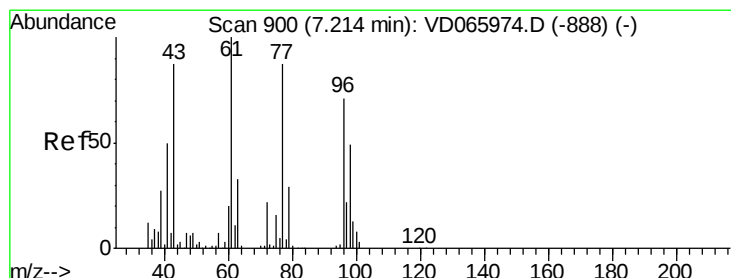
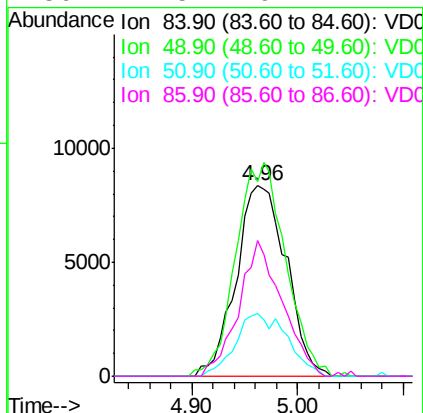
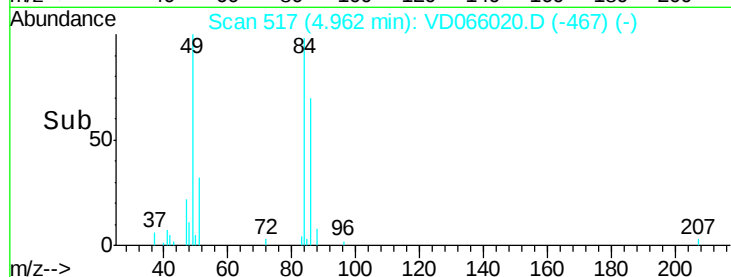
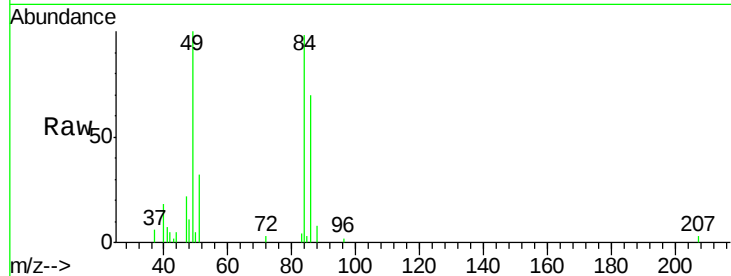




#20
Methylene Chloride
Concen: 8.050 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

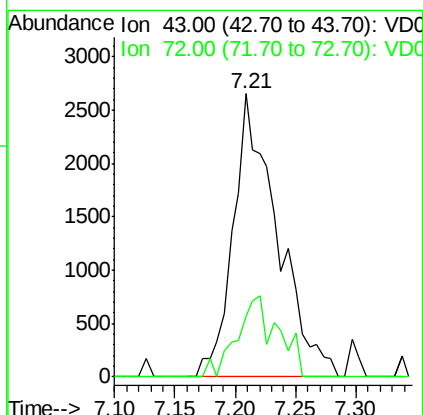
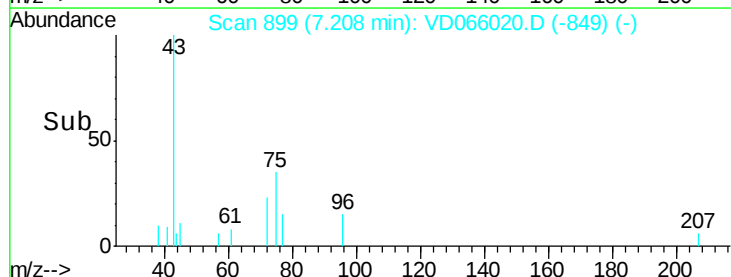
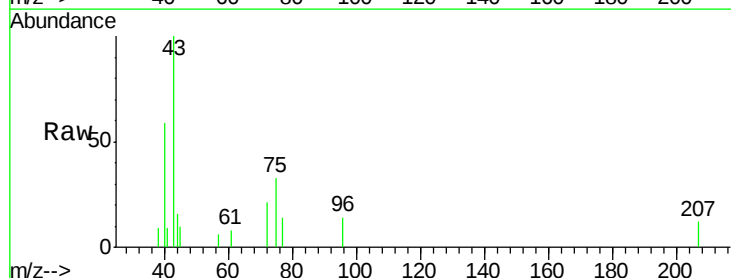
Instrument :
MSVOA_D
ClientSampleId :
SP-3RE

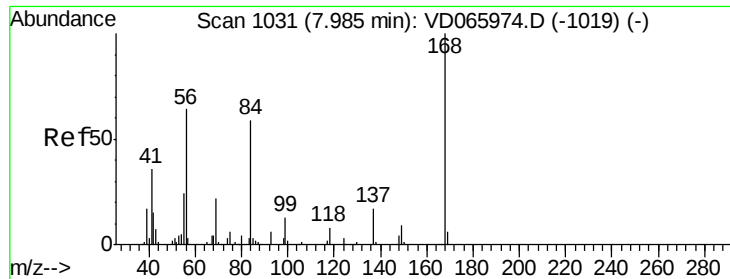
Tot Ion: 84 Resp: 27508
Ion Ratio Lower Upper
84 100
49 101.8 97.7 146.5
51 33.0 27.4 41.2
86 71.5 49.4 74.2



#25
2-Butanone
Concen: 10.769 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 43 Resp: 6746
Ion Ratio Lower Upper
43 100
72 21.4 20.2 30.2

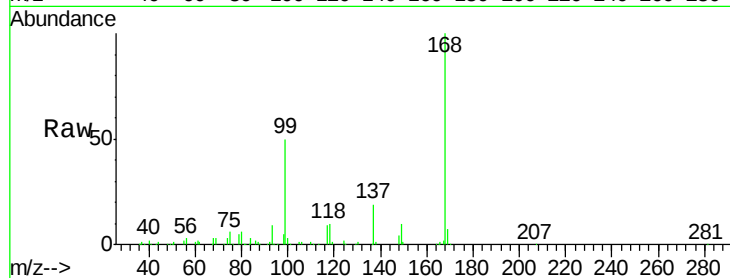




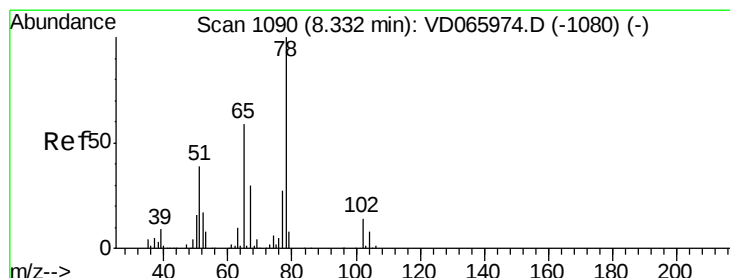
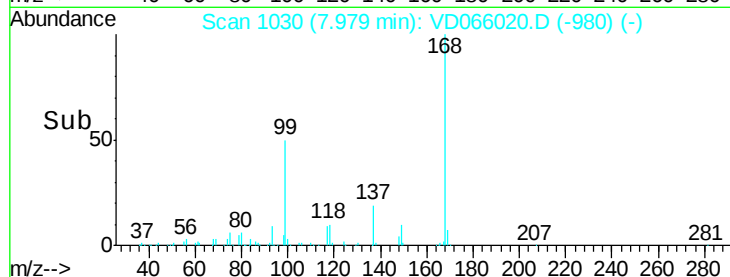
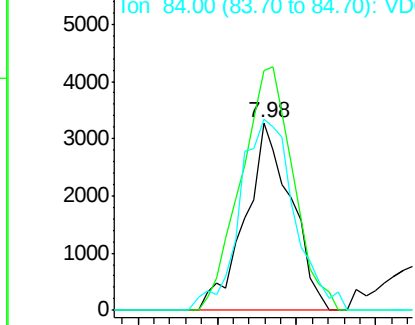
#31
Cyclohexane
Concen: 1.563 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
SP-3RE

Tot Ion: 56 Resp: 6556
Ion Ratio Lower Upper
56 100
69 127.7 28.0 42.0#
84 102.0 72.6 109.0

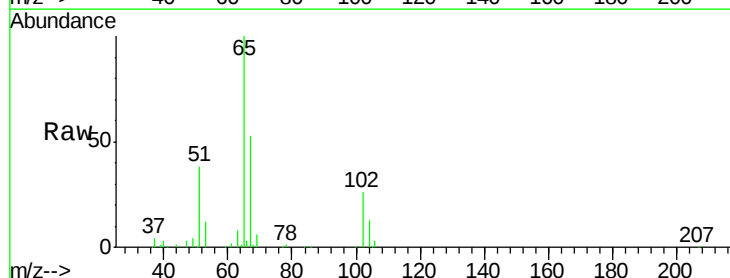


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

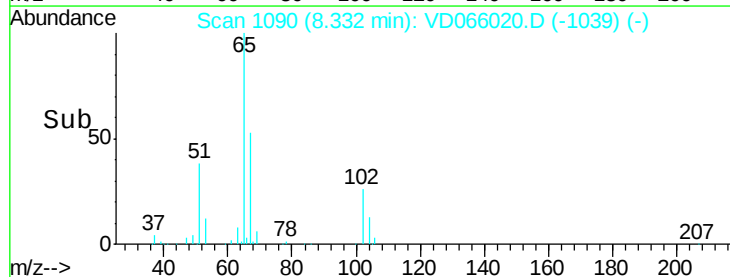
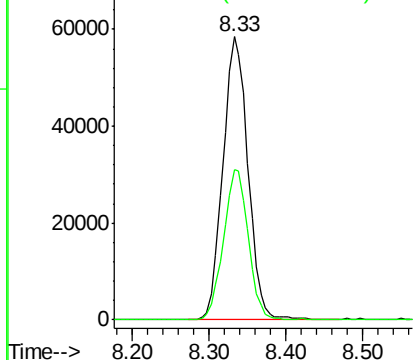


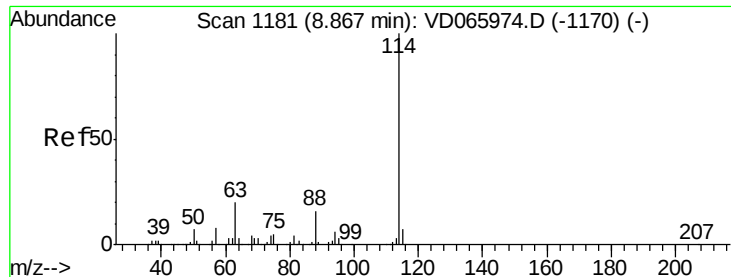
#33
1,2-Dichloroethane-d4
Concen: 56.730 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 65 Resp: 132312
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0



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

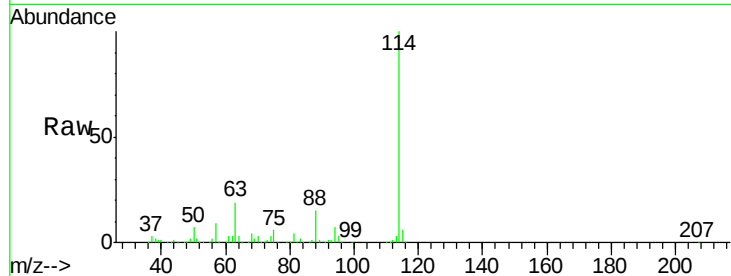




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066020.D
 Acq: 23 Jul 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3RE

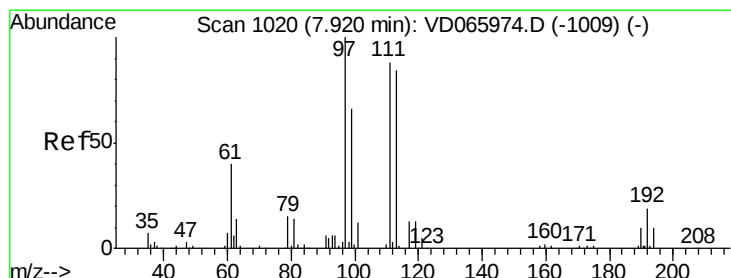
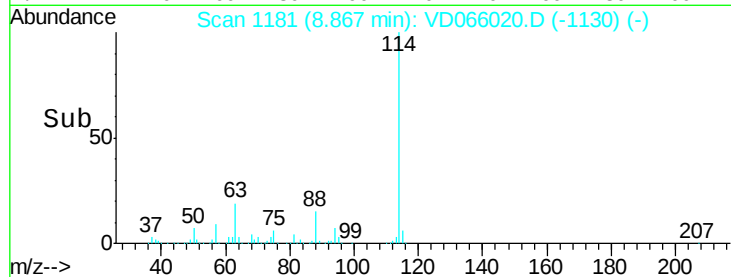
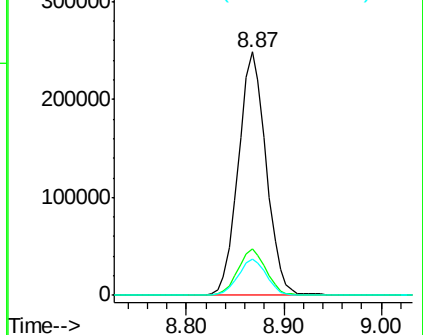
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	14.7	0.0	31.2



Abundance Ion 113.90 (113.60 to 114.60): V

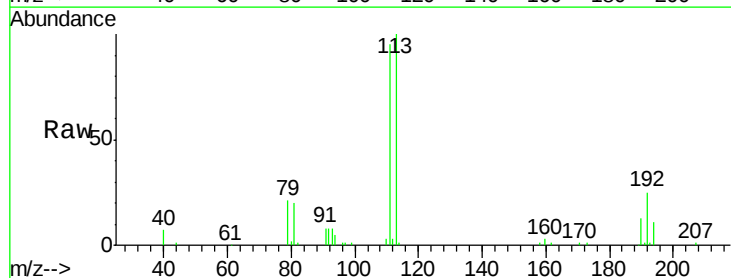
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 25.481 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066020.D
 Acq: 23 Jul 2020 13:18

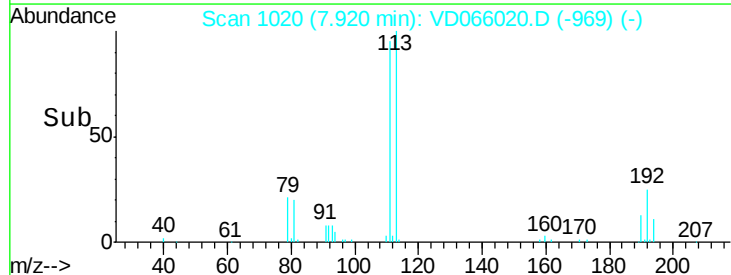
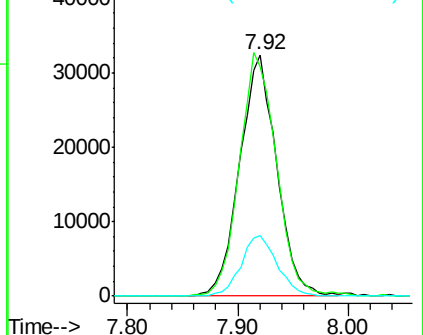
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.2	124.8
192	24.3	18.7	28.1

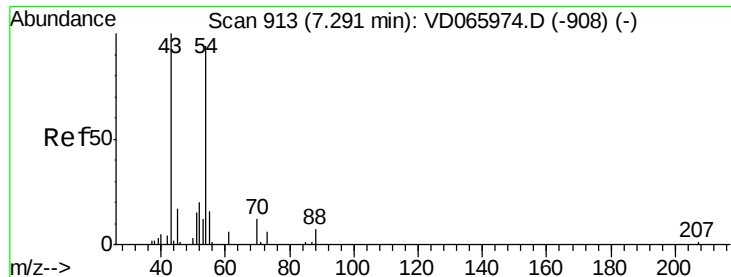


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

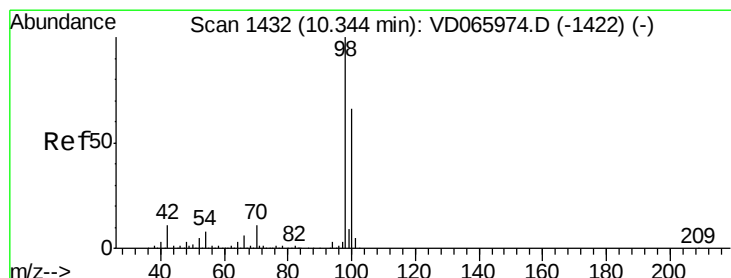
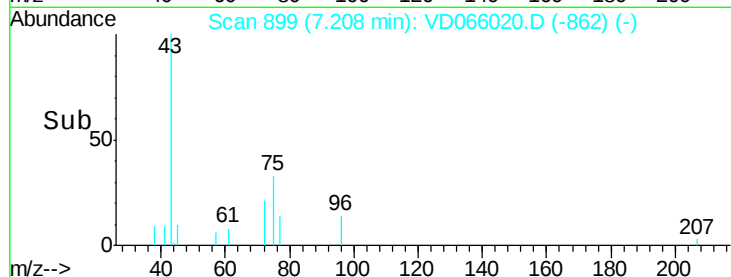
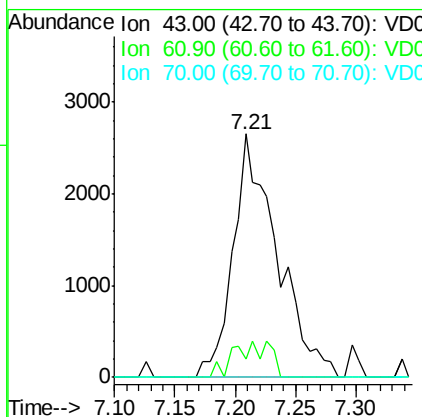
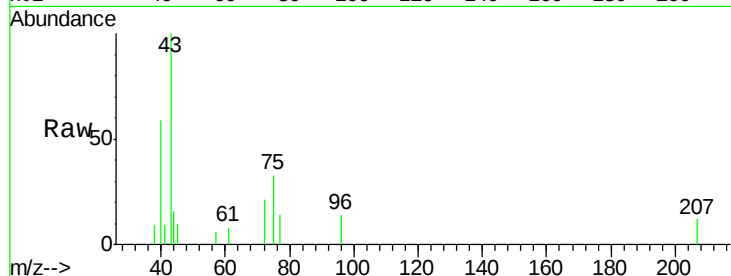




#37
Ethyl Acetate
Concen: 4.196 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.08 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

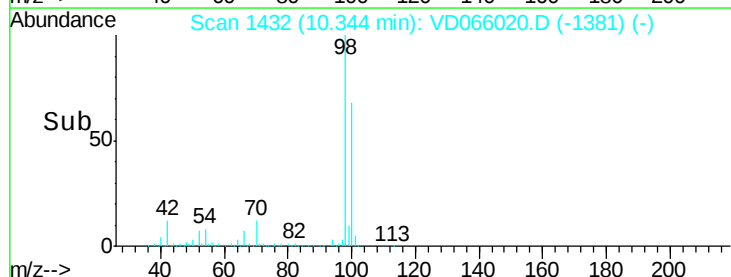
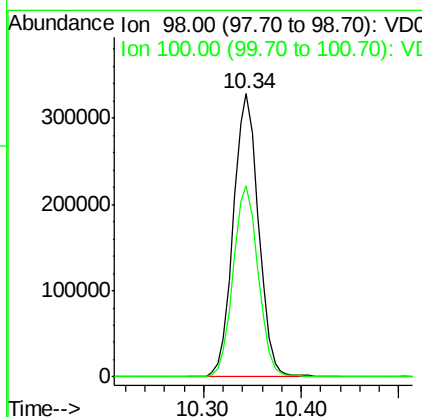
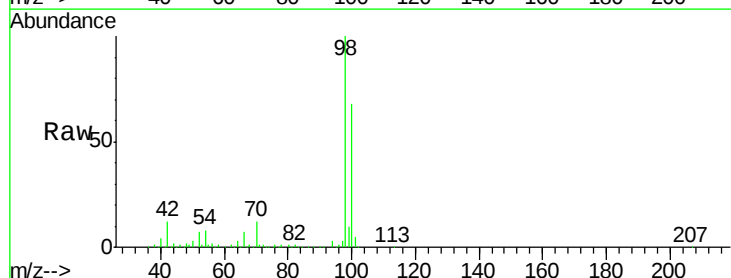
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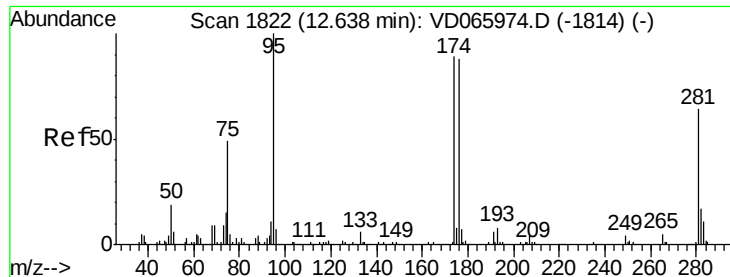
Tot Ion: 43 Resp: 6746
Ion Ratio Lower Upper
43 100
61 5.4 11.4 17.0#
70 0.0 9.3 13.9#



#50
Toluene-d8
Concen: 52.701 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 98 Resp: 587385
Ion Ratio Lower Upper
98 100
100 67.1 52.7 79.1

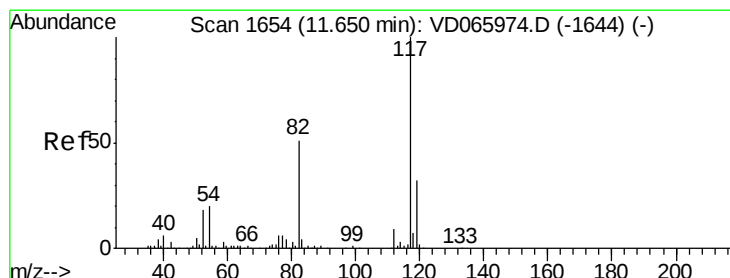
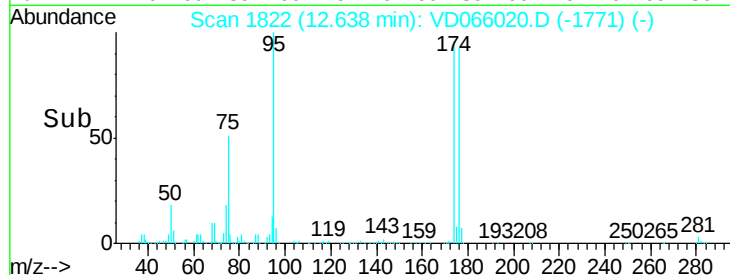
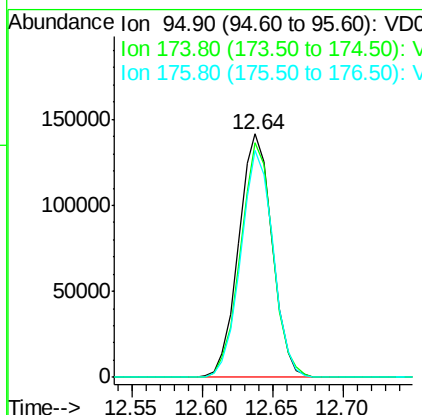
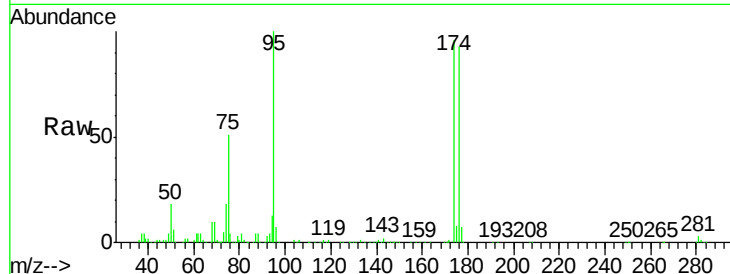




#62
4-Bromofluorobenzene
Concen: 60.876 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

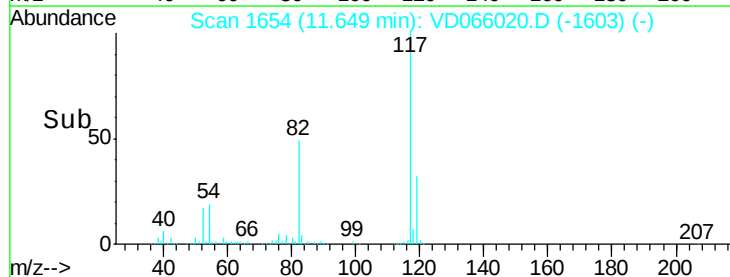
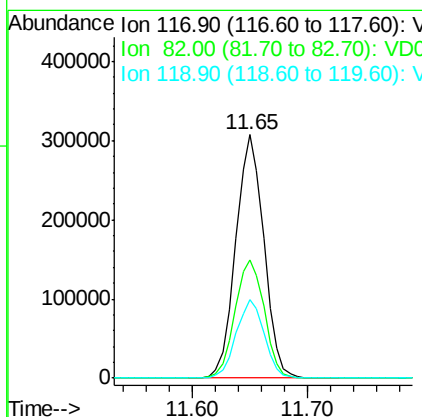
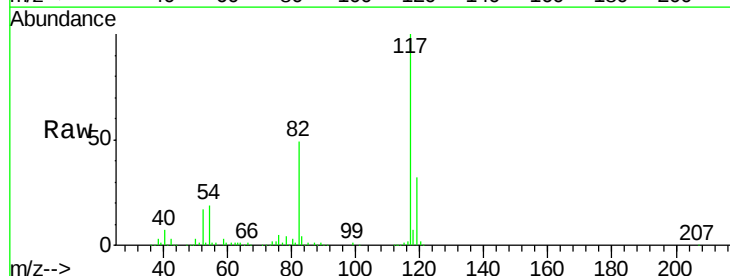
Instrument :
MSVOA_D
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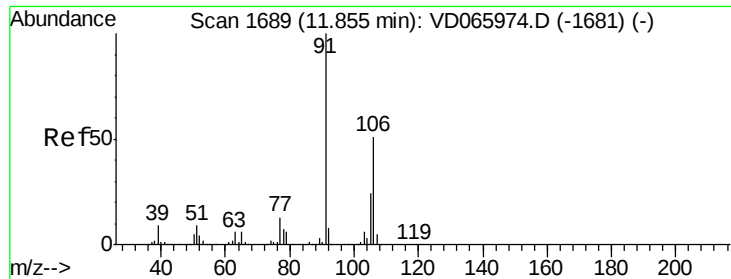
Tot Ion: 95 Resp: 235261
Ion Ratio Lower Upper
95 100
174 92.9 0.0 178.8
176 90.0 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

Tgt Ion: 117 Resp: 516915
Ion Ratio Lower Upper
117 100
82 48.6 41.1 61.7
119 32.5 25.9 38.9

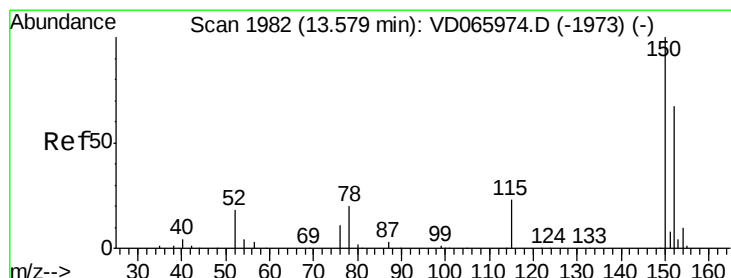
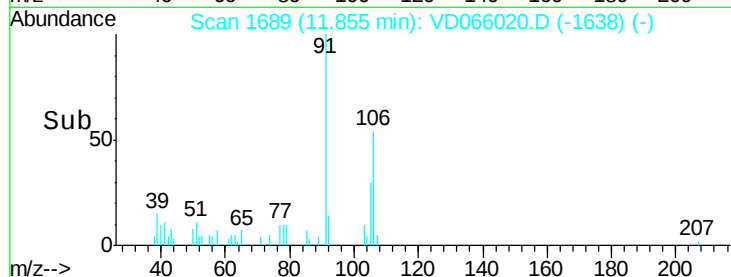
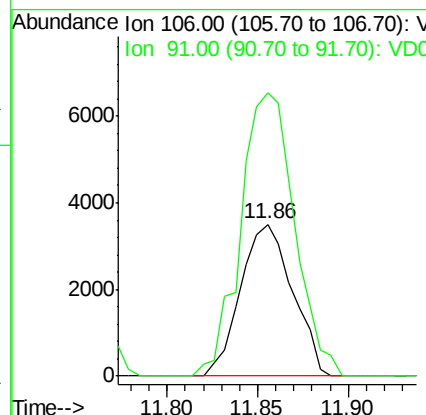
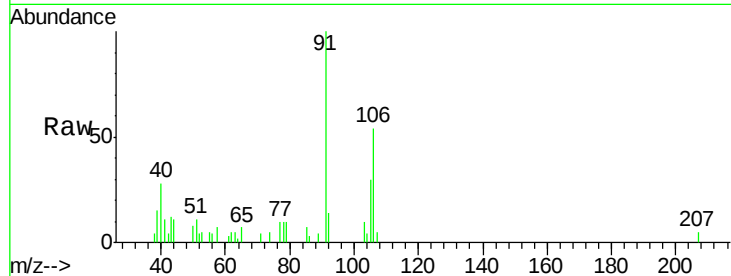




#68
m/p-Xvlenes
Concen: 1.118 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

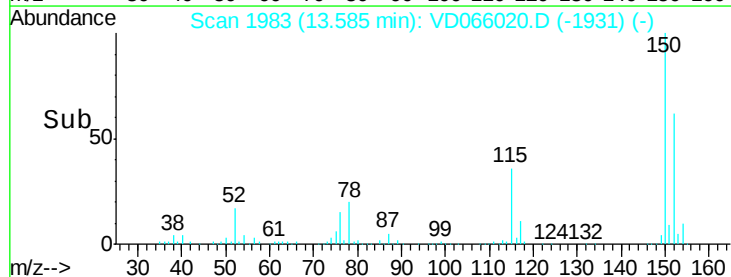
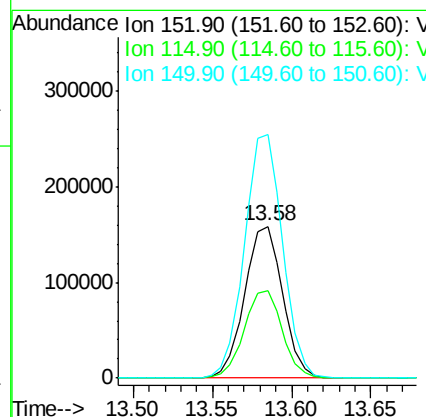
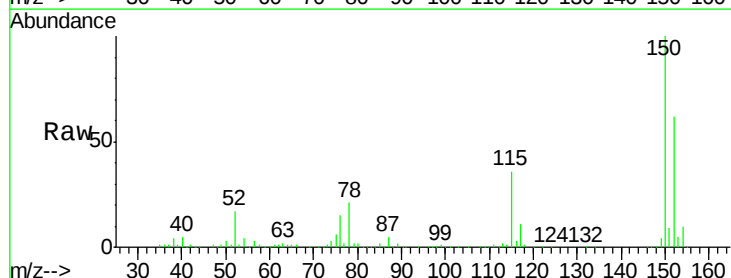
Instrument :
MSVOA_D
ClientSampleId :
SP-3RE

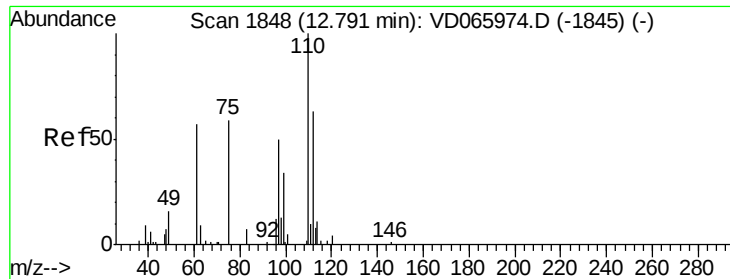
Tot Ion:106 Resp: 6997
Ion Ratio Lower Upper
106 100
91 193.2 157.0 235.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066020.D
Acq: 23 Jul 2020 13:18

Tgt Ion:152 Resp: 264743
Ion Ratio Lower Upper
152 100
115 57.8 27.9 83.7
150 160.6 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 58.486 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066020.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampled :

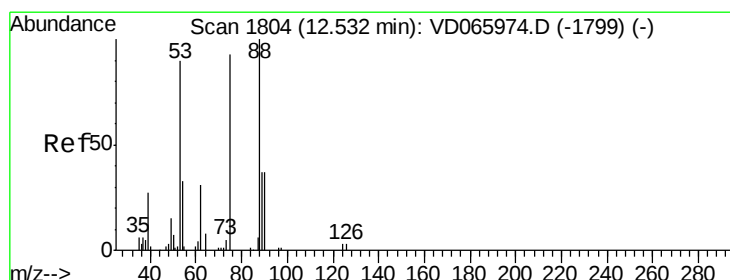
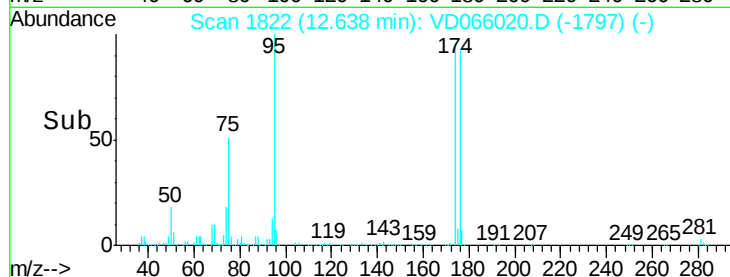
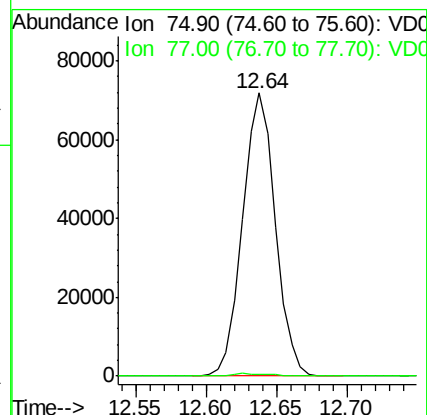
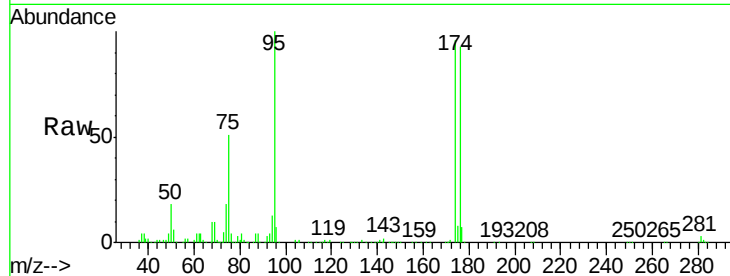
SP-3RE

Tot Ion: 75 Resp: 116585

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.205 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066020.D

Acq: 23 Jul 2020 13:18

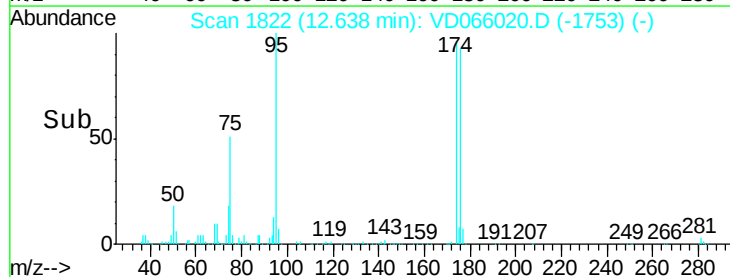
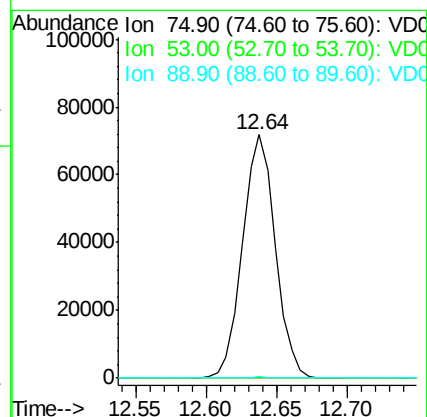
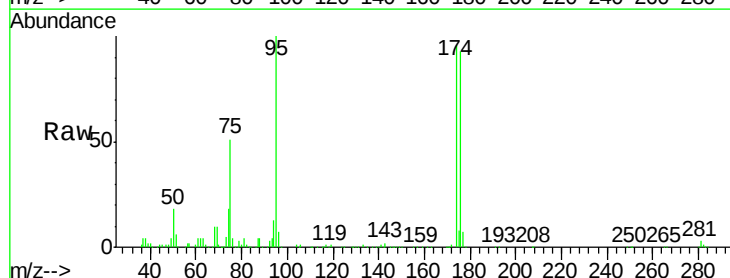
Tgt Ion: 75 Resp: 116585

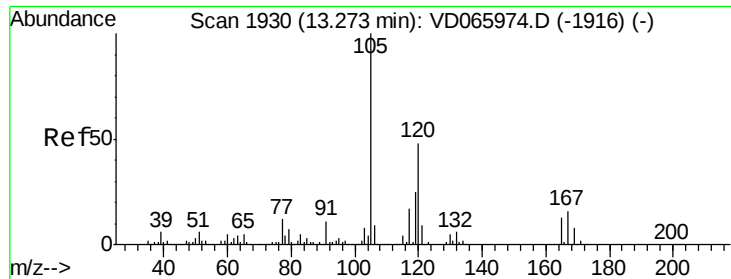
Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

89 0.2 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 1.643 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066020.D

Acq: 23 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

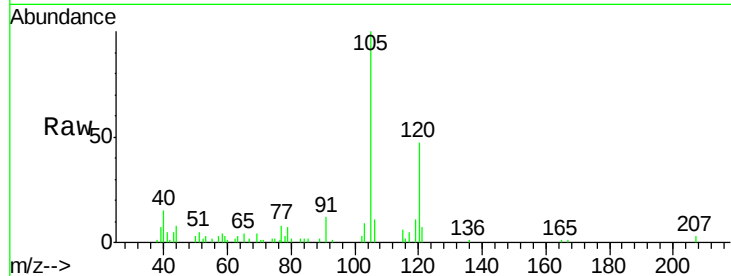
SP-3RE

Tot Ion:105 Resp: 21330

Ion Ratio Lower Upper

105 100

120 49.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.27

15000

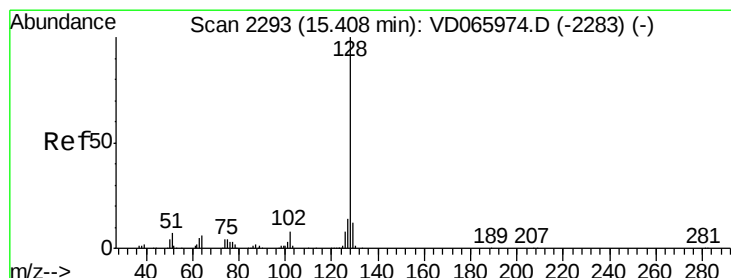
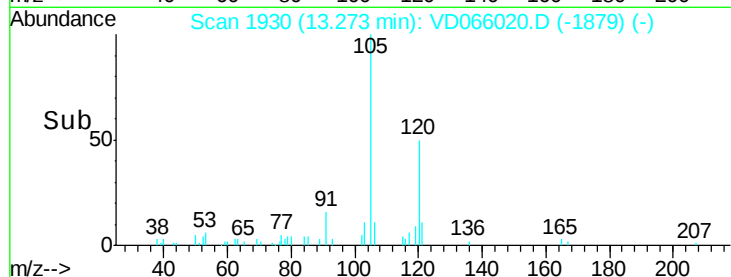
10000

5000

0

Time-->

13.20 13.25 13.30 13.35



#95

Naphthalene

Concen: 4.574 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066020.D

Acq: 23 Jul 2020 13:18

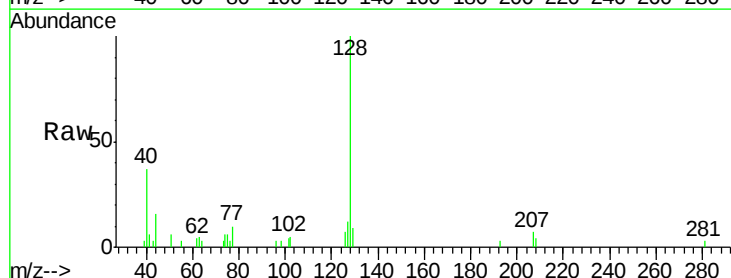
Tgt Ion:128 Resp: 9288

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 12.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

8000

6000

4000

2000

0

Time-->

15.35 15.40 15.45

