

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075106.D
 Acq On : 10 Jan 2023 14:57
 Operator : KP/SY
 Sample : 01080-03RE
 Misc : 9.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2-(35-37)RE

Quant Time: Jan 11 01:50:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

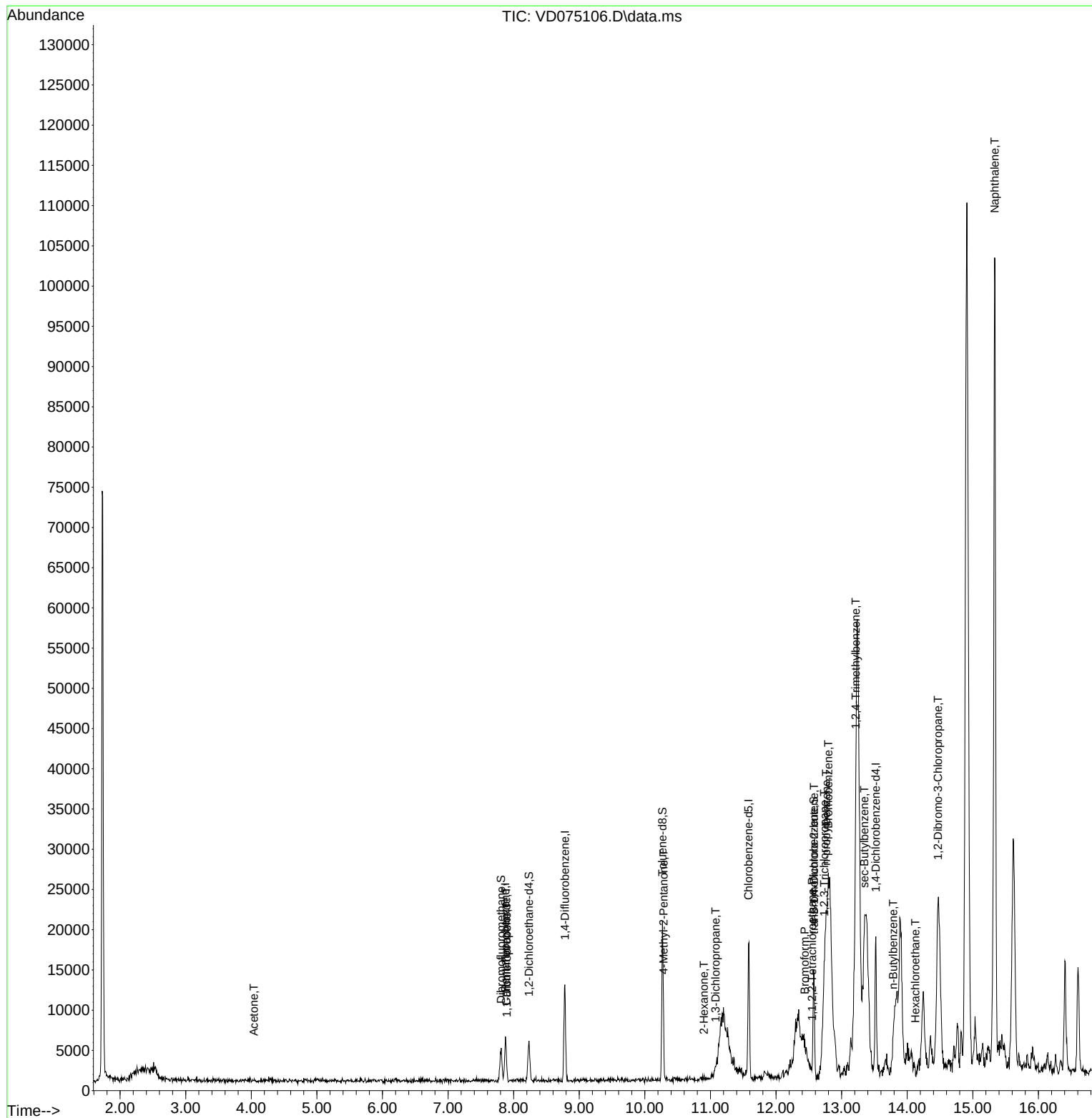
Internal Standards						
1) Pentafluorobenzene	7.875	168	4536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	10777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	9852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	4280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3755	82.571	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 165.140%#			
35) Dibromofluoromethane	7.810	113	3432	50.627	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.260%			
50) Toluene-d8	10.269	98	12586	46.825	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.640%			
62) 4-Bromofluorobenzene	12.575	95	5014	58.116	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.240%			
Target Compounds						Qvalue
3) Chloromethane	2.140	50	147	Below Cal	#	43
16) Acetone	4.040	43	62	5.754	ug/l #	39
36) 1,1-Dichloropropene	7.893	75	124	1.478	ug/l #	40
38) Carbon Tetrachloride	7.887	117	359	4.886	ug/l #	12
51) 4-Methyl-2-Pentanone	10.287	43	67	1.644	ug/l #	36
57) 1,3-Dichloropropane	11.081	76	136	1.631	ug/l #	42
59) 2-Hexanone	10.898	43	63	2.210	ug/l #	25
71) Bromoform	12.439	173	65	1.846	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.551	83	132	2.407	ug/l #	25
76) 1,2,3-Trichloropropane	12.734	75	366	8.962	ug/l	50
77) Bromobenzene	12.798	156	41027	585.627	ug/l #	1
78) n-propylbenzene	12.763	91	802	2.090	ug/l #	52
81) trans-1,4-Dichloro-2-b...	12.581	75	2412	156.852	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.216	105	382	1.523	ug/l #	53
85) sec-Butylbenzene	13.345	105	561	1.616	ug/l #	77
89) n-Butylbenzene	13.786	91	457	1.657	ug/l #	61
90) Hexachloroethane	14.122	117	65	1.330	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.469	75	2513	284.926	ug/l #	1
95) Naphthalene	15.333	128	95217	600.680	ug/l	99

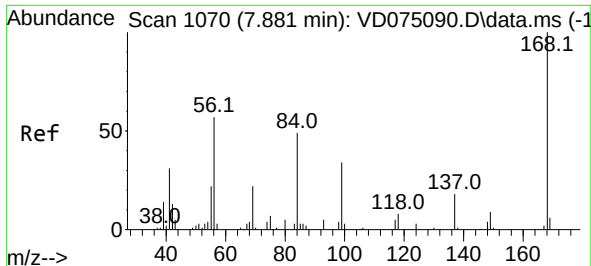
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 11 01:50:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
Quant Title : SW846 8260
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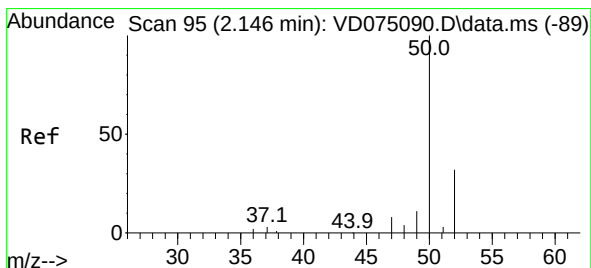
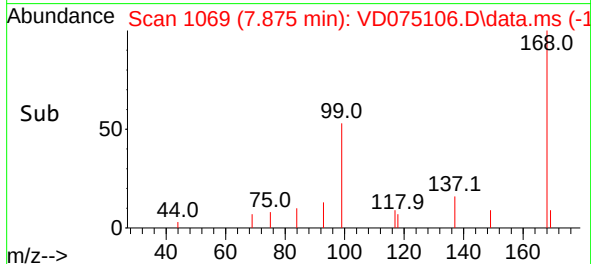
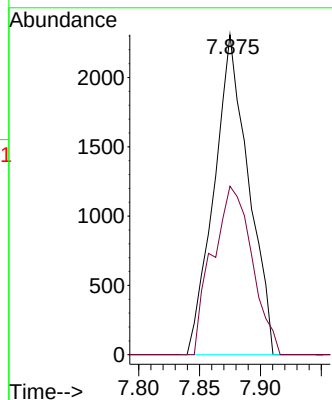
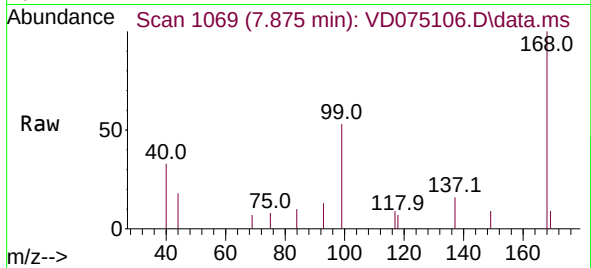




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

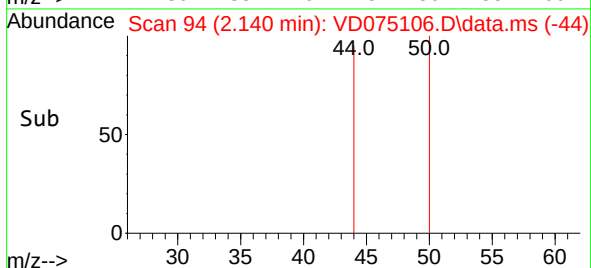
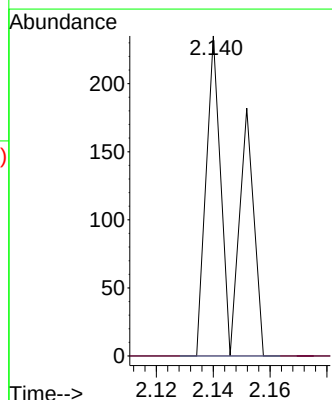
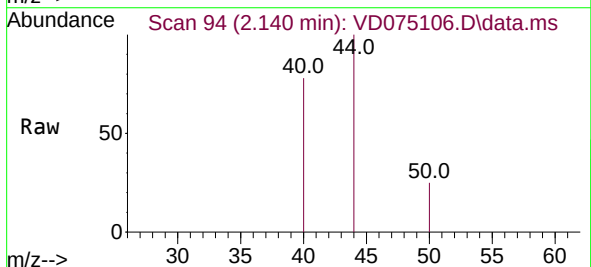
Instrument :
MSVOA_D
ClientSampleId :
B-2-(35-37)RE

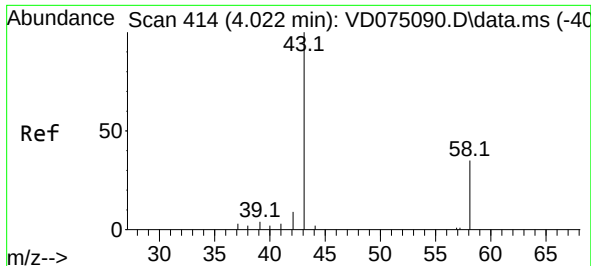
Tgt Ion:168 Resp: 4536
Ion Ratio Lower Upper
168 100
99 52.7 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion: 50 Resp: 147
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

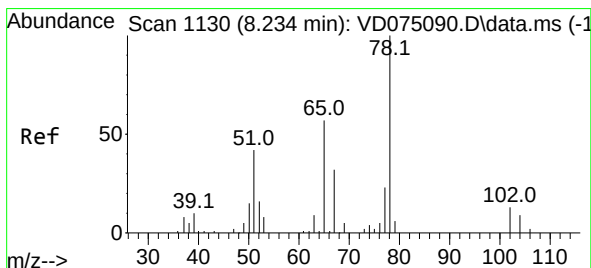
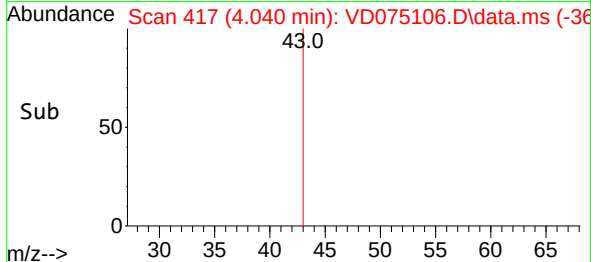
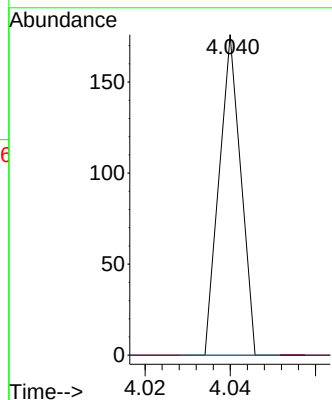
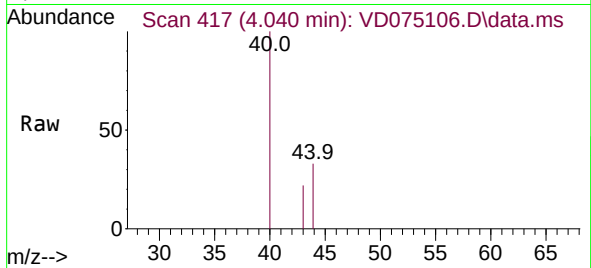




#16
Acetone
Concen: 5.754 ug/l
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

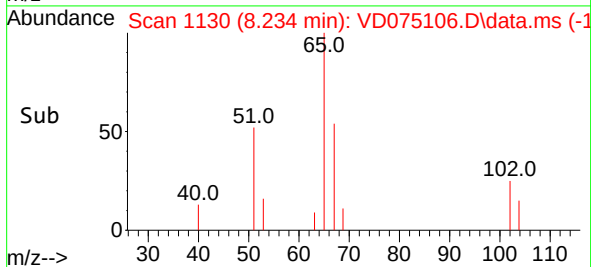
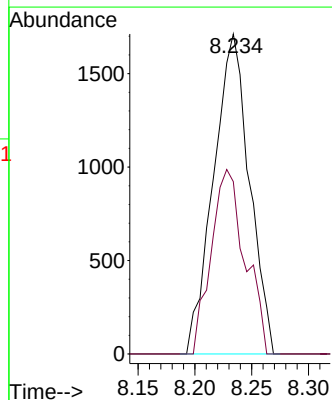
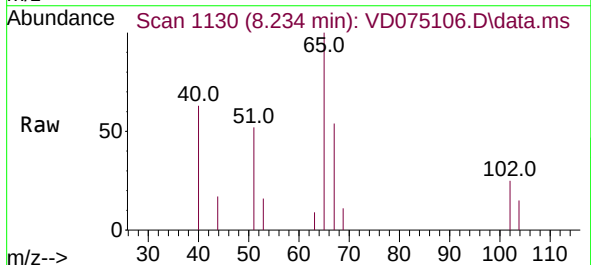
Instrument :
MSVOA_D
ClientSampleId :
B-2-(35-37)RE

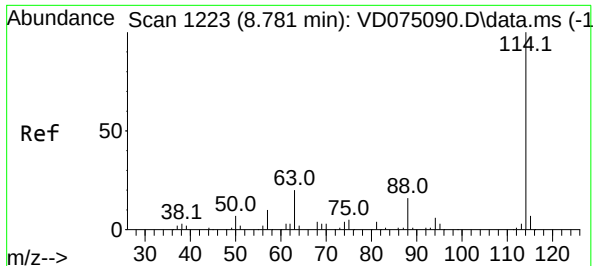
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#



#33
1,2-Dichloroethane-d4
Concen: 82.571 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion: 65 Resp: 3755
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075106.D

Acq: 10 Jan 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

B-2-(35-37)RE

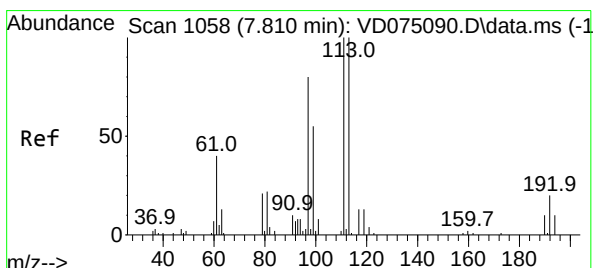
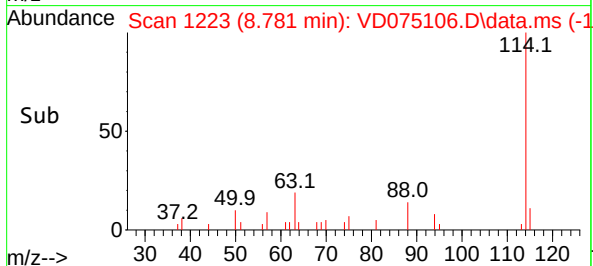
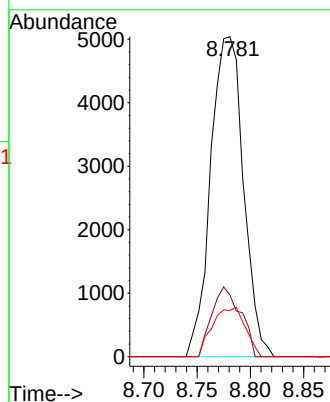
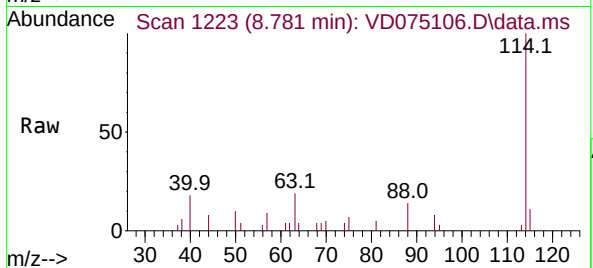
Tgt Ion:114 Resp: 10777

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 14.5 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.627 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075106.D

Acq: 10 Jan 2023 14:57

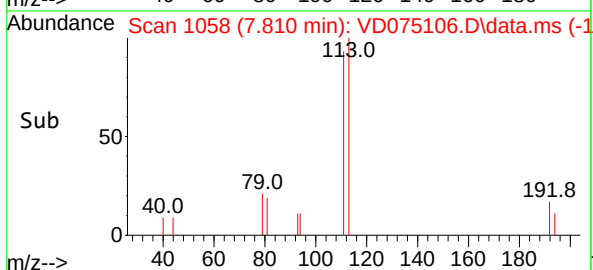
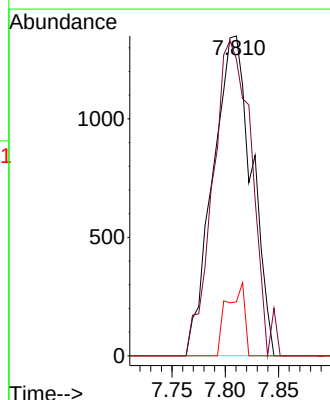
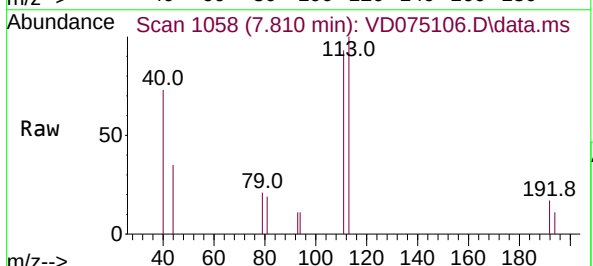
Tgt Ion:113 Resp: 3432

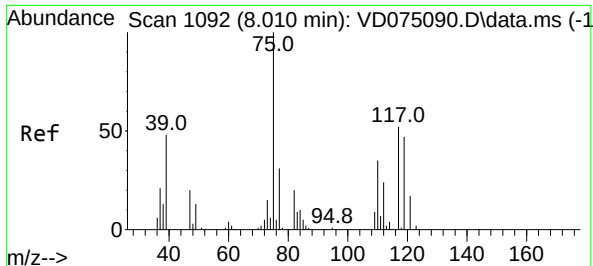
Ion Ratio Lower Upper

113 100

111 97.8 83.2 124.8

192 10.2 15.0 22.6#





#36

1,1-Dichloropropene

Concen: 1.478 ug/l

RT: 7.893 min Scan# 1072

Delta R.T. -0.118 min

Lab File: VD075106.D

Acq: 10 Jan 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

B-2-(35-37)RE

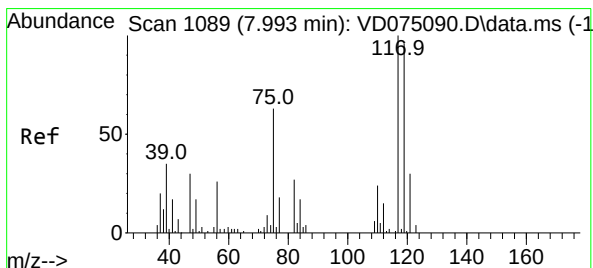
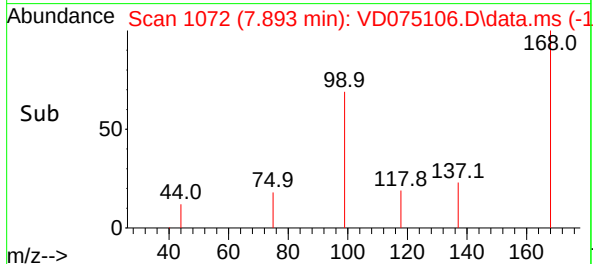
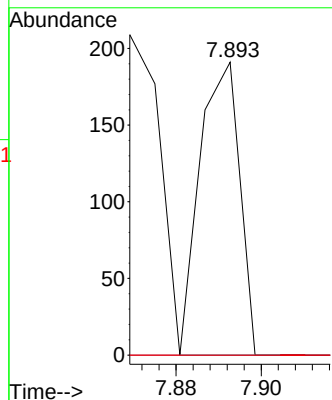
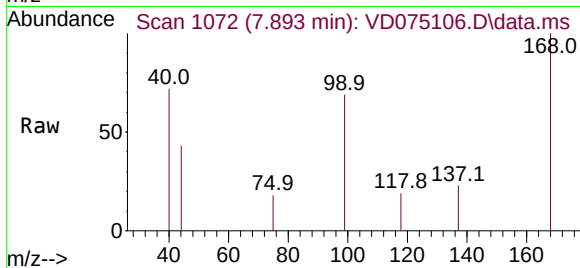
Tgt Ion: 75 Resp: 124

Ion Ratio Lower Upper

75 100

110 0.0 18.8 56.3#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 4.886 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.106 min

Lab File: VD075106.D

Acq: 10 Jan 2023 14:57

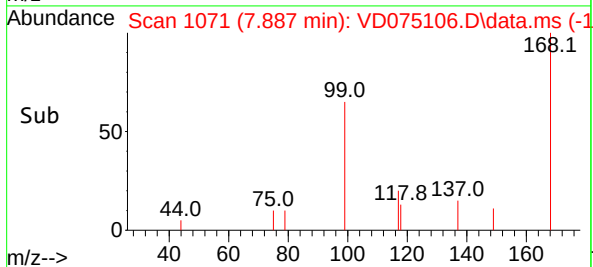
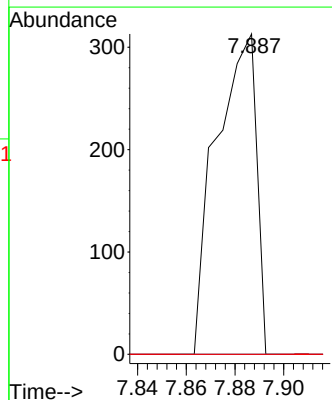
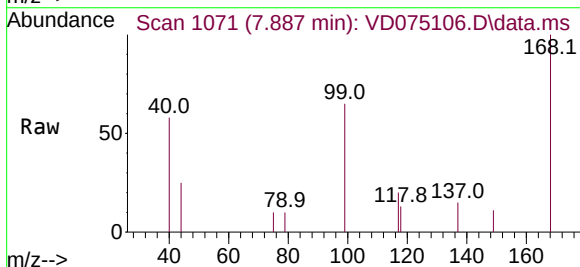
Tgt Ion: 117 Resp: 359

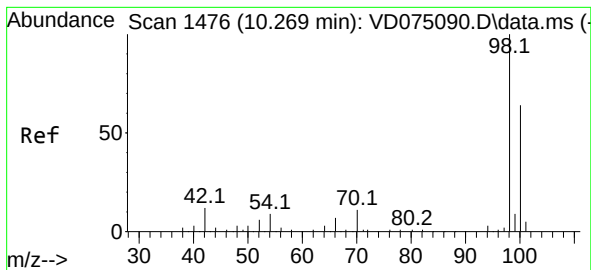
Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

121 0.0 23.8 35.8#

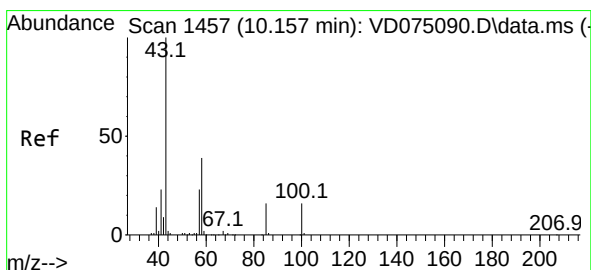
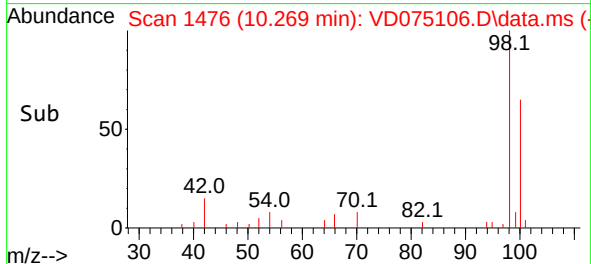
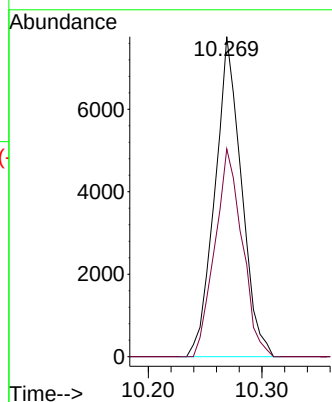
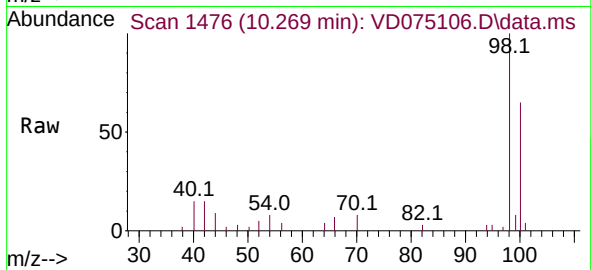




#50
Toluene-d8
Concen: 46.825 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

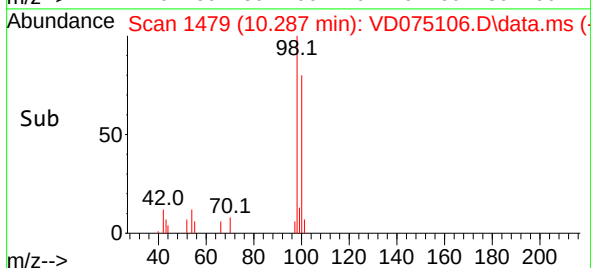
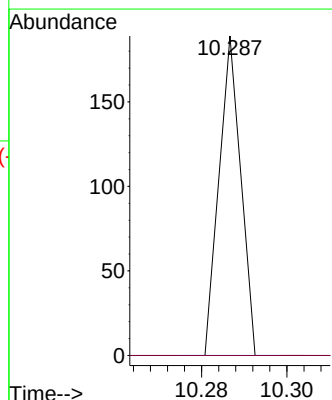
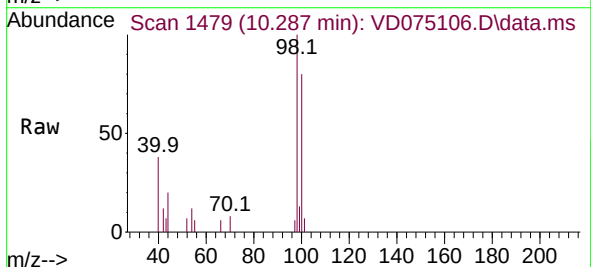
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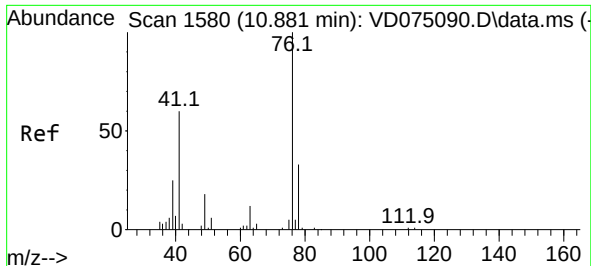
Tgt Ion: 98 Resp: 12586
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.644 ug/l
RT: 10.287 min Scan# 1479
Delta R.T. 0.129 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#





#57

1,3-Dichloropropane

Concen: 1.631 ug/l

RT: 11.081 min Scan# 1

Delta R.T. 0.200 min

Lab File: VD075106.D

Acq: 10 Jan 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

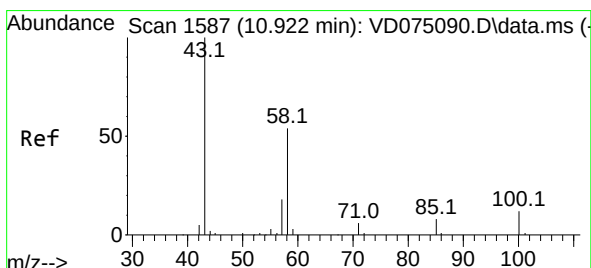
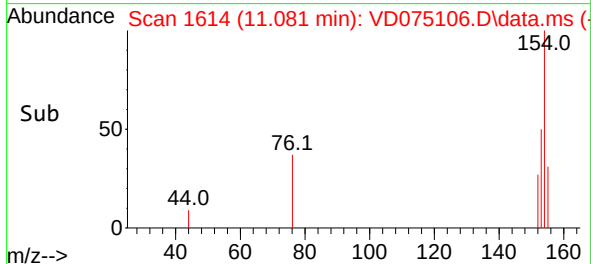
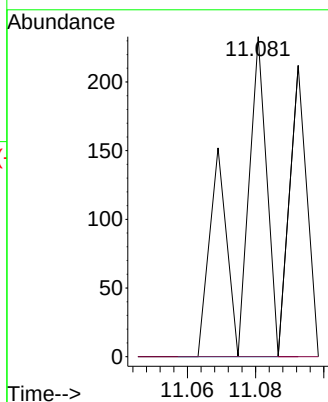
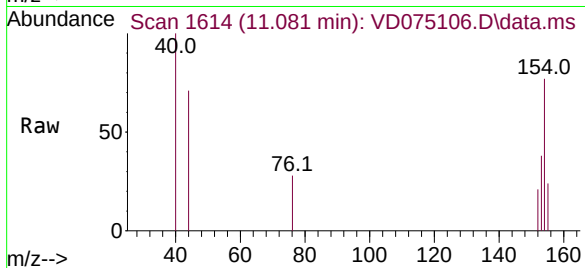
B-2-(35-37)RE

Tgt Ion: 76 Resp: 136

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 2.210 ug/l

RT: 10.898 min Scan# 1583

Delta R.T. -0.023 min

Lab File: VD075106.D

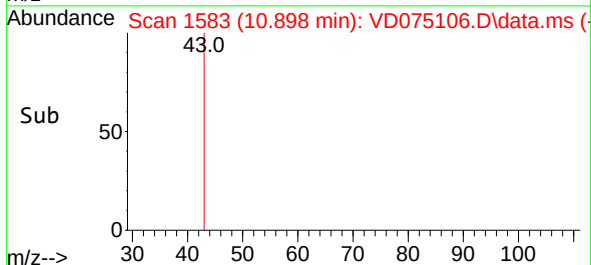
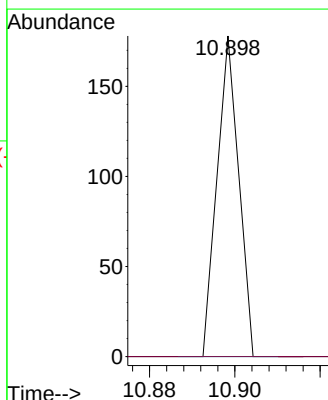
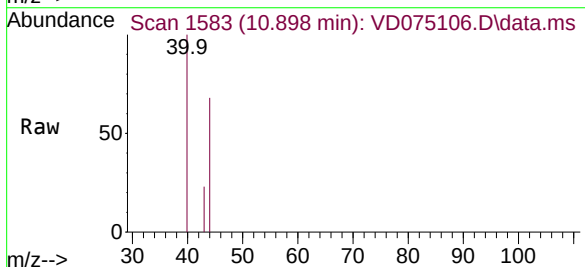
Acq: 10 Jan 2023 14:57

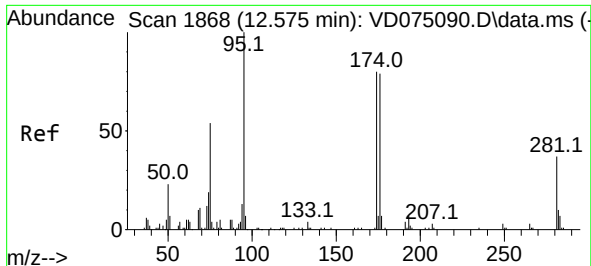
Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.8#

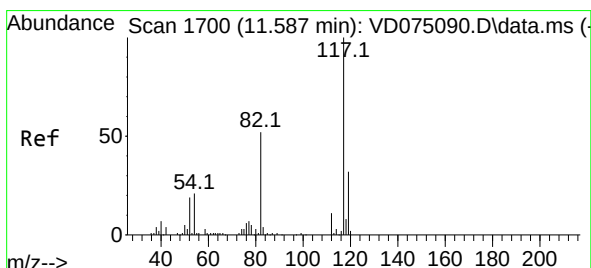
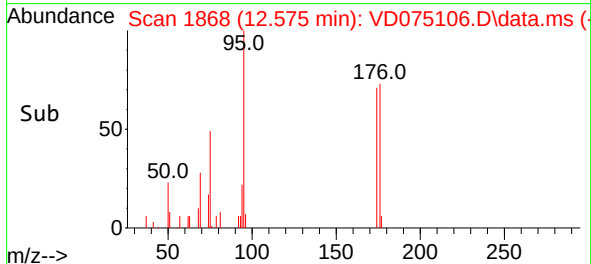
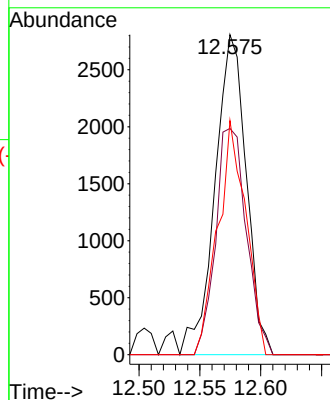
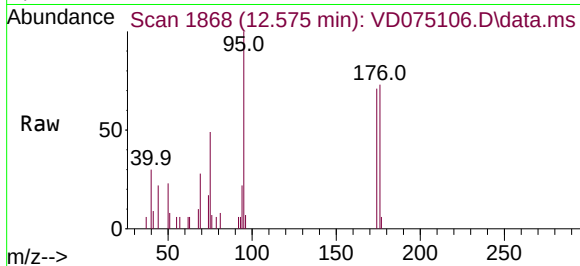




#62
4-Bromofluorobenzene
Concen: 58.116 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

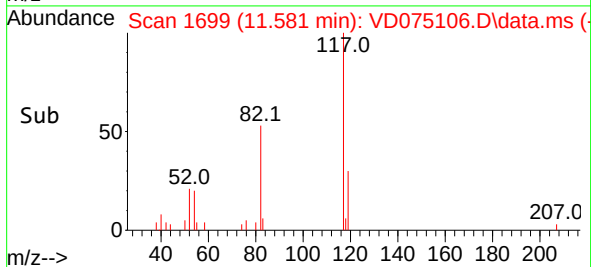
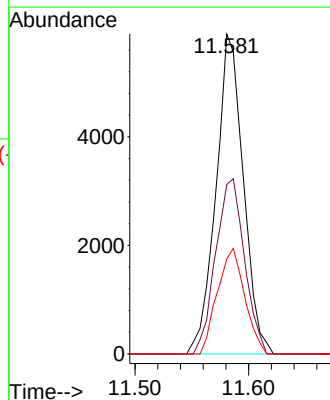
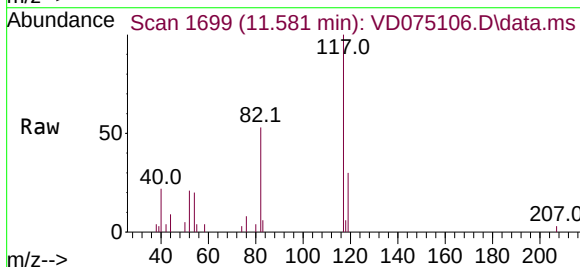
Instrument :
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ClientSampleId :
B-2-(35-37)RE

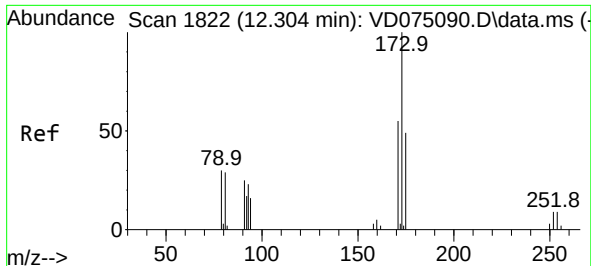
Tgt Ion:	95	Resp:	5014
Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	168.4
176	65.8	0.0	163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion:	117	Resp:	9852
Ion	Ratio	Lower	Upper
117	100		
82	53.0	41.3	61.9
119	29.7	25.8	38.6

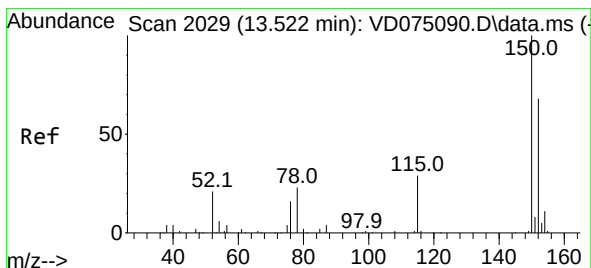
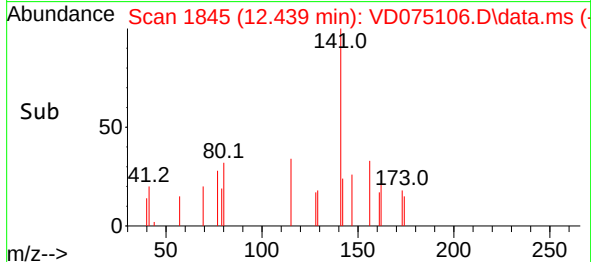
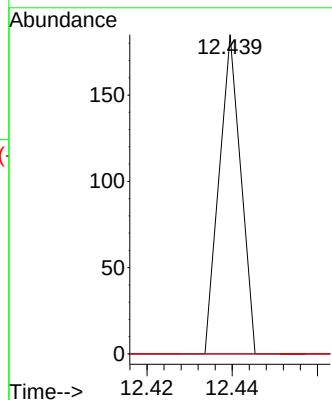
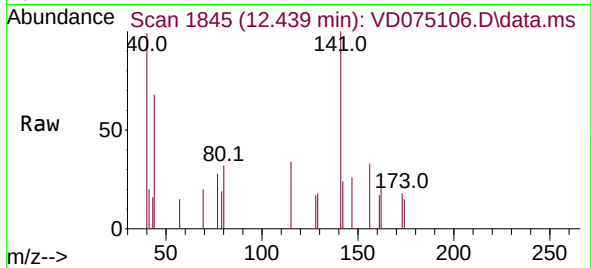




#71
Bromoform
Concen: 1.846 ug/l
RT: 12.439 min Scan# 1845
Delta R.T. 0.135 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

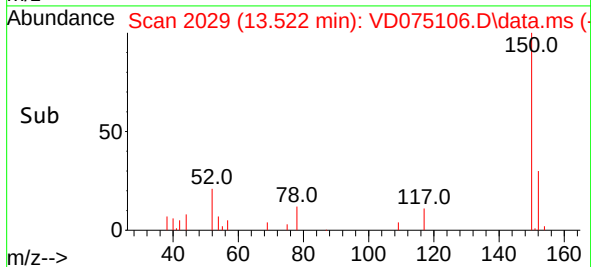
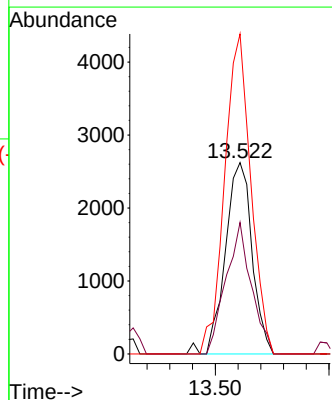
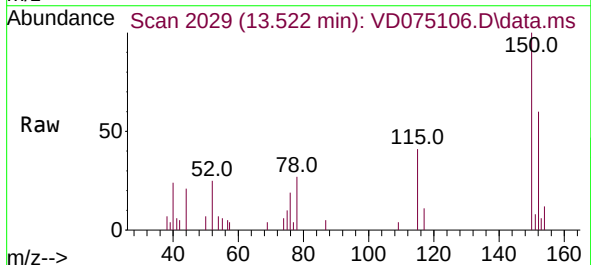
Instrument :
MSVOA_D
ClientSampleId :
B-2-(35-37)RE

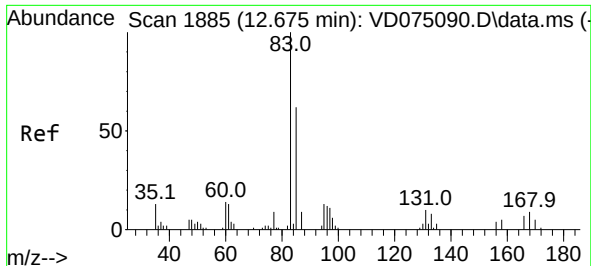
Tgt Ion:173 Resp: 65
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion:152 Resp: 4280
Ion Ratio Lower Upper
152 100
115 65.4 28.7 86.1
150 163.6 0.0 343.2

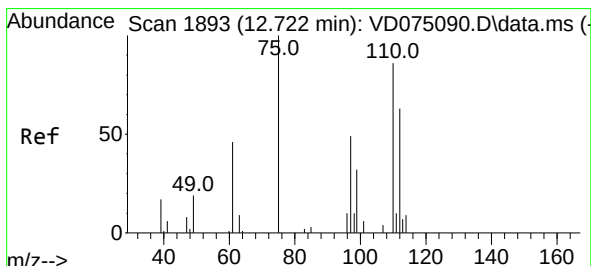
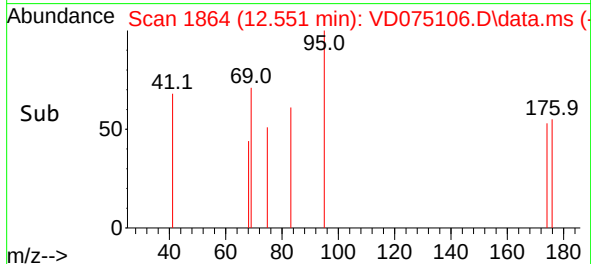
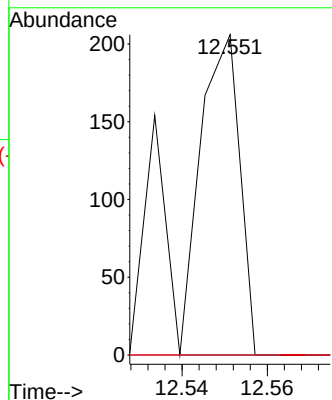
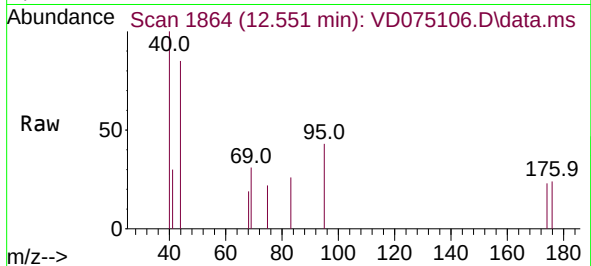




#75
1,1,2,2-Tetrachloroethane
Concen: 2.407 ug/l
RT: 12.551 min Scan# 1864
Delta R.T. -0.123 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

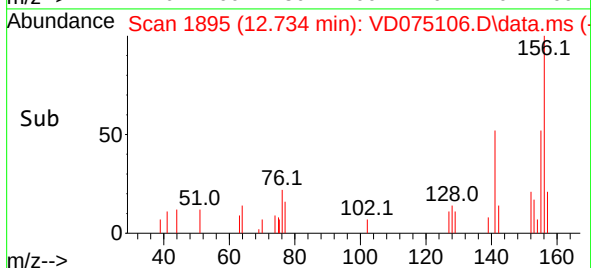
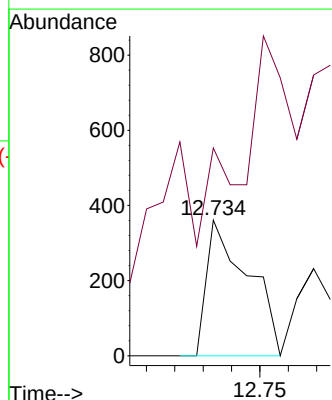
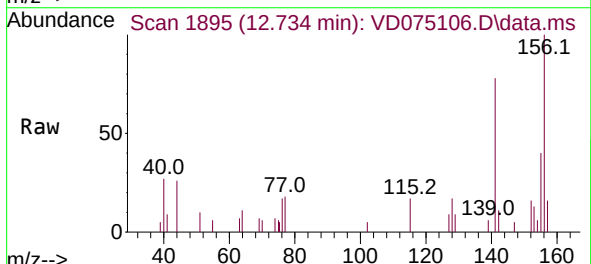
Instrument :
MSVOA_D
ClientSampleId :
B-2-(35-37)RE

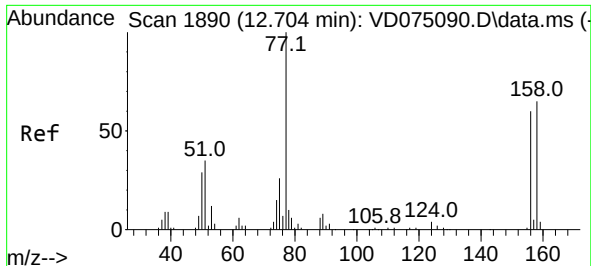
Tgt Ion: 83 Resp: 132
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 8.962 ug/l
RT: 12.734 min Scan# 1895
Delta R.T. 0.012 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion: 75 Resp: 366
Ion Ratio Lower Upper
75 100
77 200.5 149.0 447.1

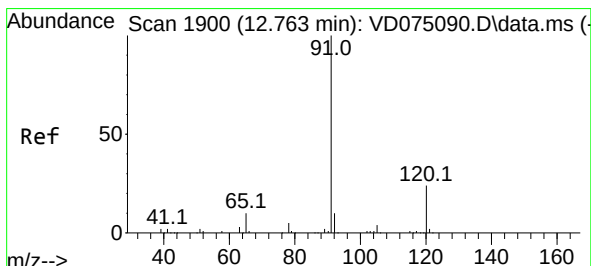
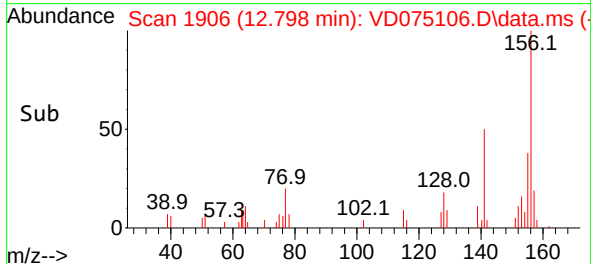
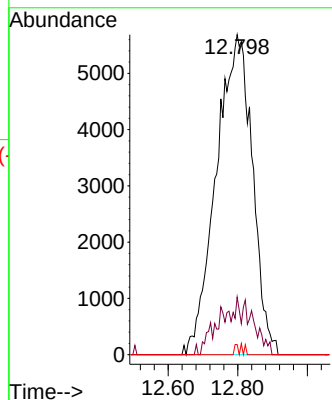
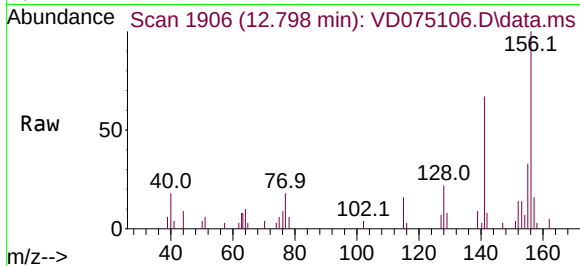




#77
Bromobenzene
Concen: 585.627 ug/l
RT: 12.798 min Scan# 1906
Delta R.T. 0.094 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

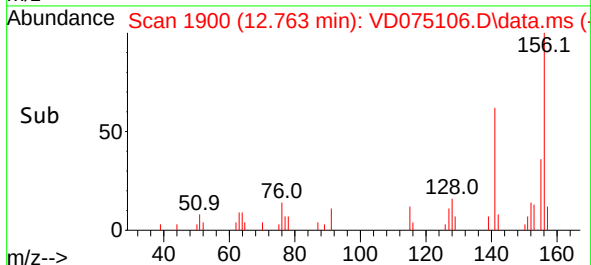
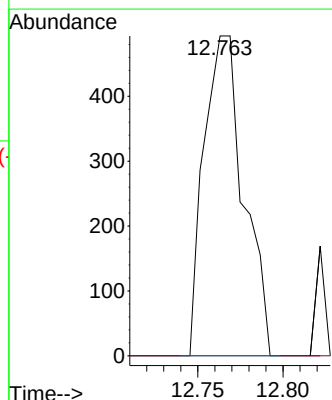
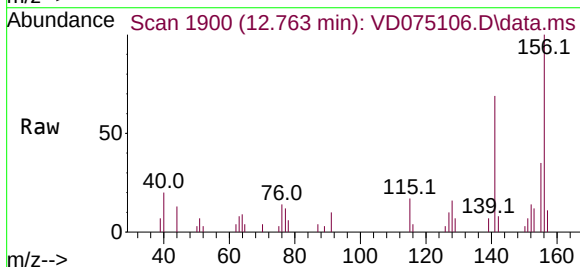
Instrument :
MSVOA_D
ClientSampleId :
B-2-(35-37)RE

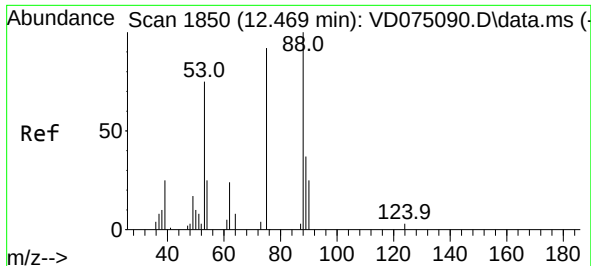
Tgt Ion:156 Resp: 41027
Ion Ratio Lower Upper
156 100
77 0.7 90.8 272.5#
158 0.3 49.4 148.0#



#78
n-propylbenzene
Concen: 2.090 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion: 91 Resp: 802
Ion Ratio Lower Upper
91 100
120 0.0 11.7 35.0#

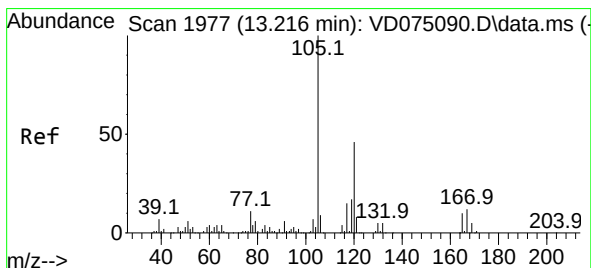
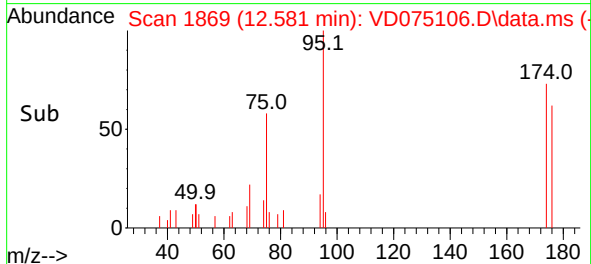
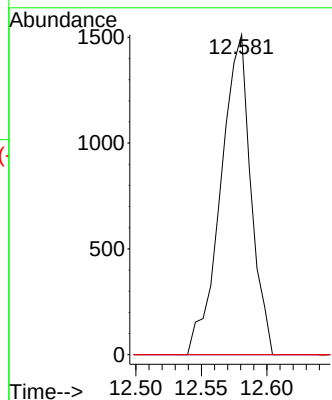
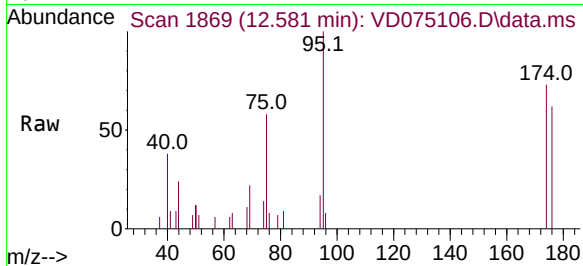




#81
trans-1,4-Dichloro-2-butene
Concen: 156.852 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.112 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

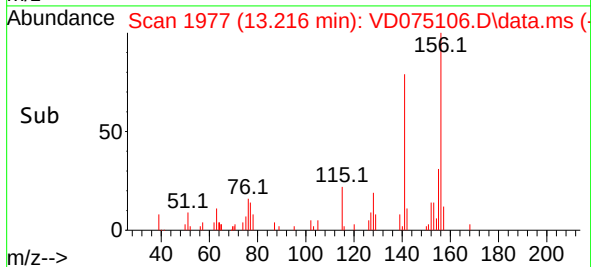
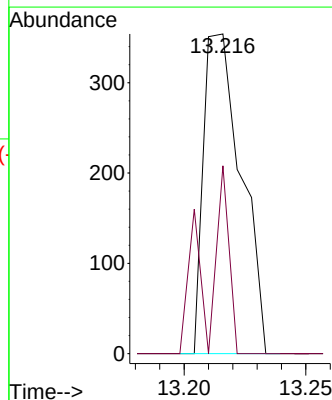
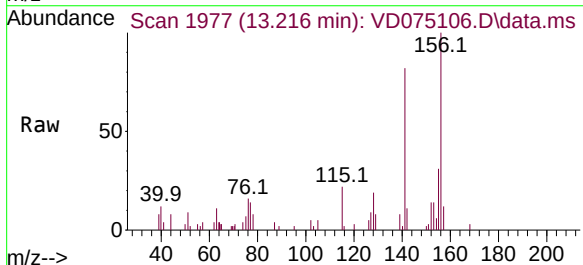
Instrument :
MSVOA_D
ClientSampleId :
B-2-(35-37)RE

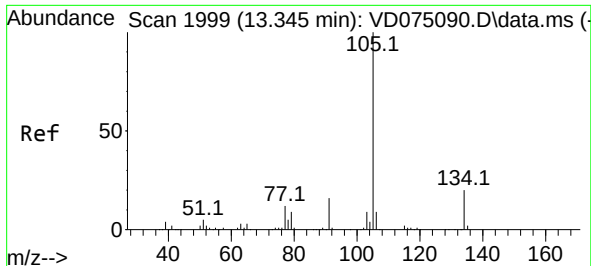
Tgt Ion: 75 Resp: 2412
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.523 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion: 105 Resp: 382
Ion Ratio Lower Upper
105 100
120 14.7 22.8 68.4#

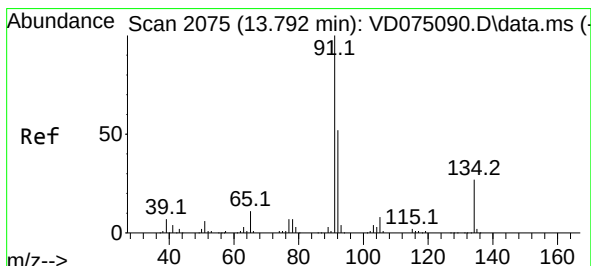
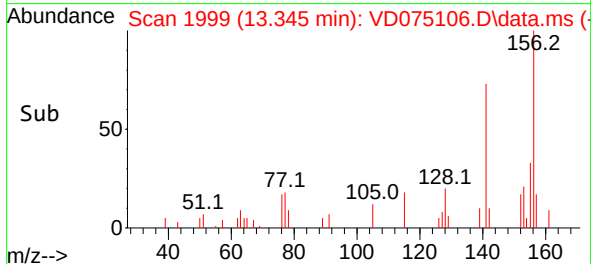
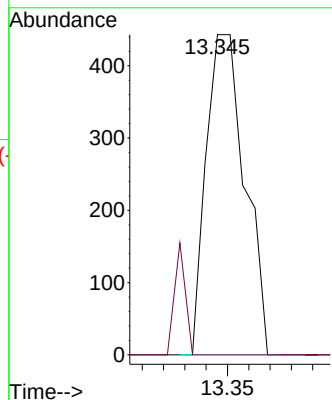
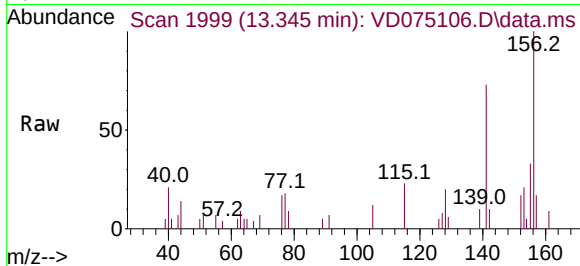




#85
 sec-Butylbenzene
 Concen: 1.616 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD075106.D
 Acq: 10 Jan 2023 14:57

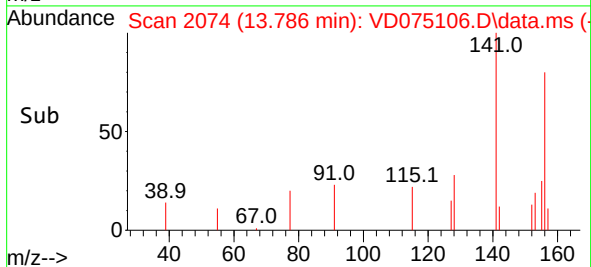
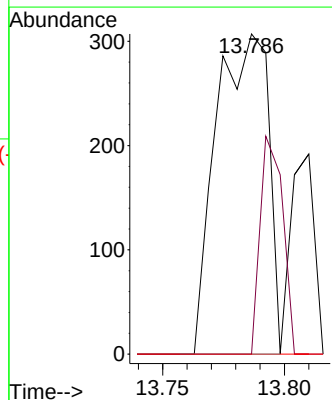
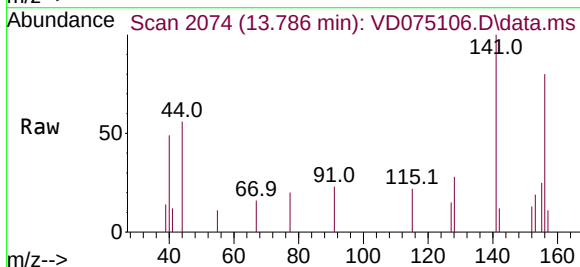
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2-(35-37)RE

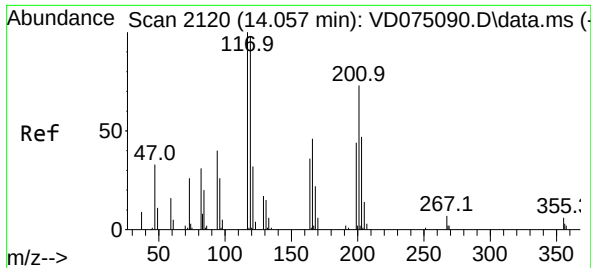
Tgt Ion:105 Resp: 561
 Ion Ratio Lower Upper
 105 100
 134 9.8 10.1 30.3#



#89
 n-Butylbenzene
 Concen: 1.657 ug/l
 RT: 13.786 min Scan# 2074
 Delta R.T. -0.006 min
 Lab File: VD075106.D
 Acq: 10 Jan 2023 14:57

Tgt Ion: 91 Resp: 457
 Ion Ratio Lower Upper
 91 100
 92 29.3 26.2 78.5
 134 0.0 13.2 39.6#

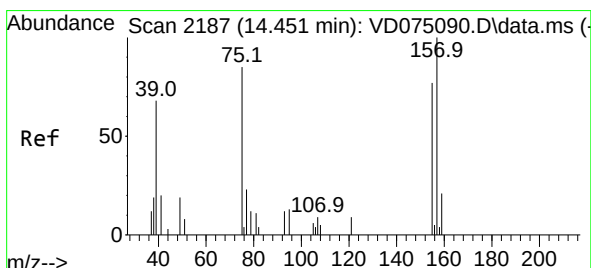
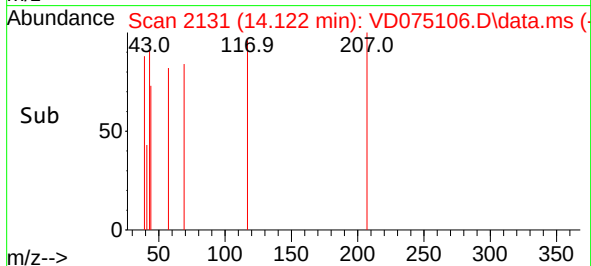
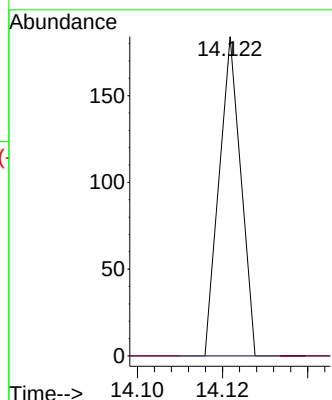
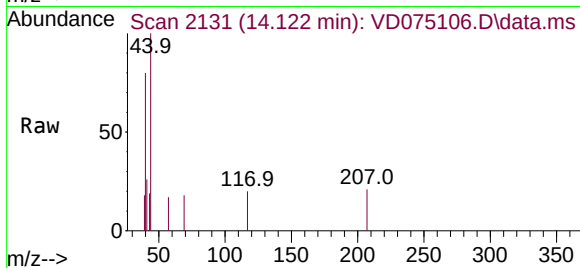




#90
Hexachloroethane
Concen: 1.330 ug/l
RT: 14.122 min Scan# 2117
Delta R.T. 0.065 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

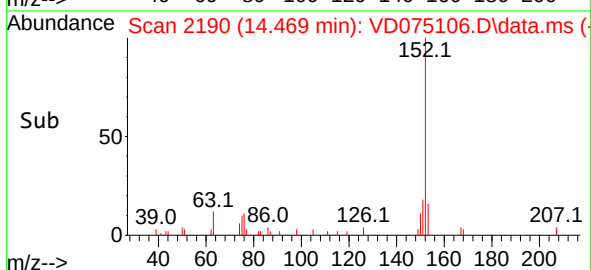
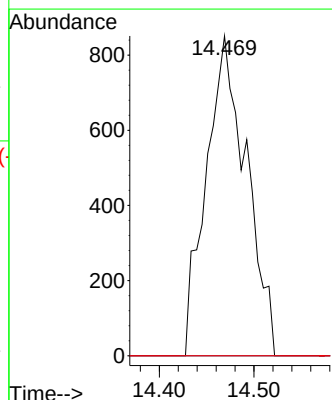
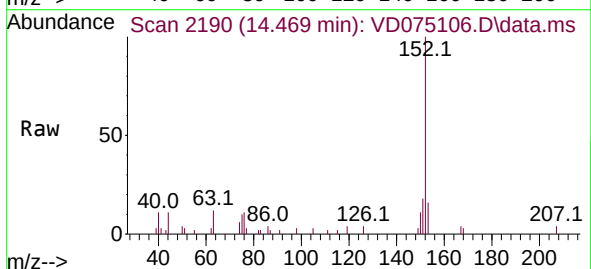
Instrument :
MSVOA_D
ClientSampleId :
B-2-(35-37)RE

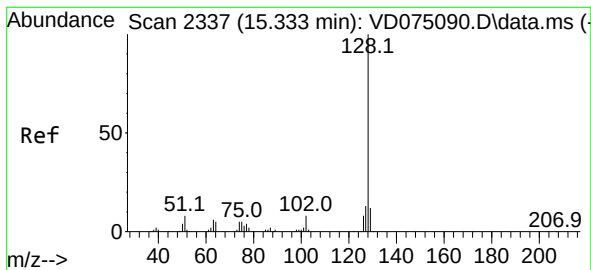
Tgt Ion:117 Resp: 65
Ion Ratio Lower Upper
117 100
201 0.0 35.5 106.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 284.926 ug/l
RT: 14.469 min Scan# 2190
Delta R.T. 0.018 min
Lab File: VD075106.D
Acq: 10 Jan 2023 14:57

Tgt Ion: 75 Resp: 2513
Ion Ratio Lower Upper
75 100
155 0.0 45.4 136.2#
157 0.0 60.1 180.2#





#95

Naphthalene

Concen: 600.680 ug/l

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD075106.D

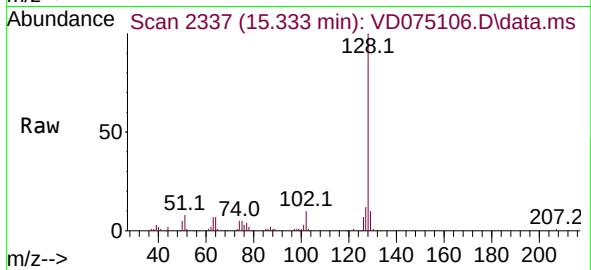
Acq: 10 Jan 2023 14:57

Instrument :

MSVOA_D

ClientSampleId :

B-2-(35-37)RE



Tgt Ion:128 Resp: 95217

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.7 8.9 13.3

