

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075277.D
 Acq On : 08 Feb 2023 17:45
 Operator : KP/SY
 Sample : 01477-01
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-6-020723

Quant Time: Feb 09 05:42:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

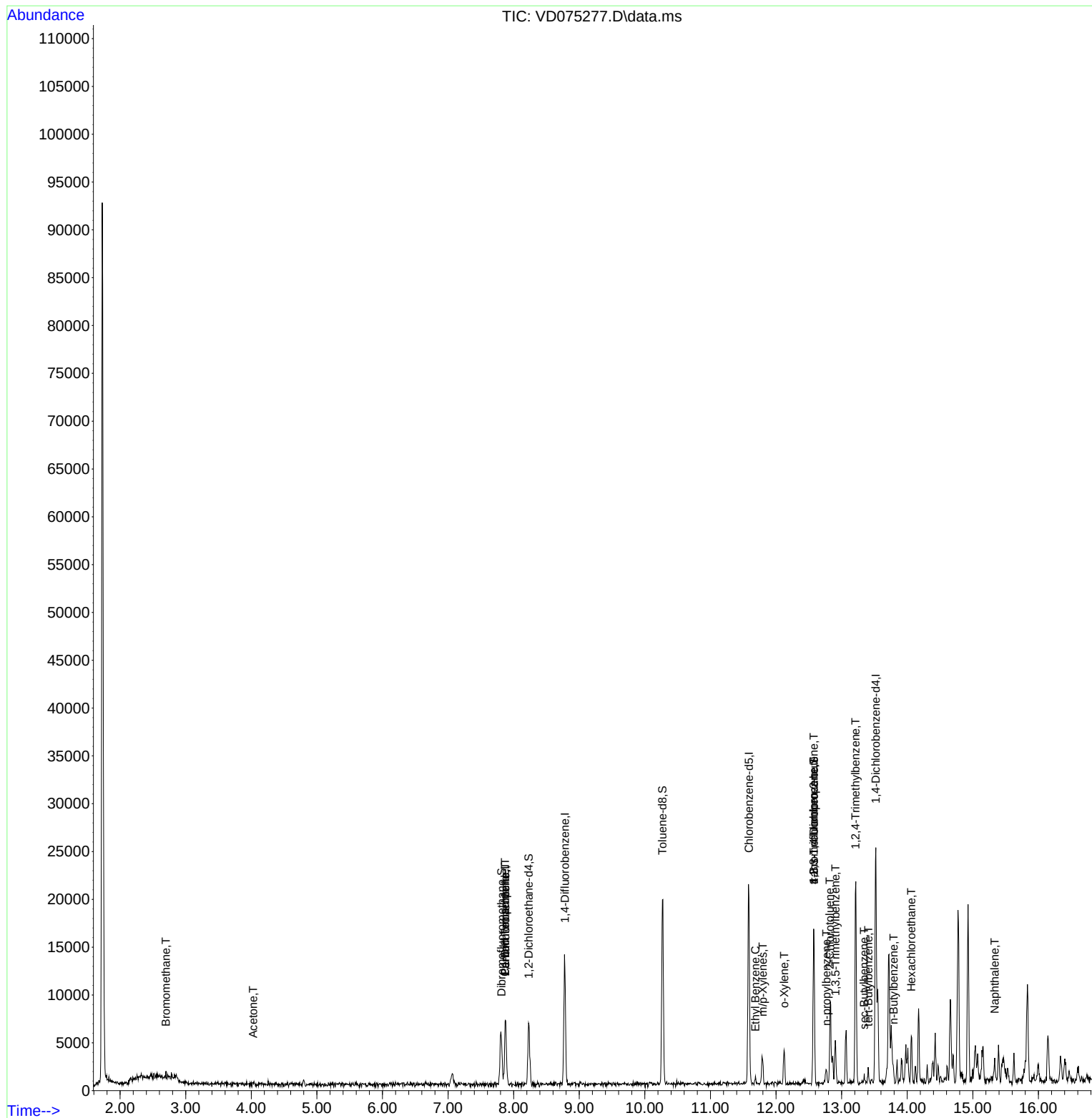
Internal Standards						
1) Pentafluorobenzene	7.875	168	5668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	11355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	12861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	6109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	5016	75.472	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.940%			
35) Dibromofluoromethane	7.816	113	4308	54.106	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.220%			
50) Toluene-d8	10.269	98	14224	47.107	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.220%			
62) 4-Bromofluorobenzene	12.575	95	5420	54.437	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.880%			
Target Compounds					Qvalue	
3) Chloromethane	2.146	50	65	Below Cal	#	41
5) Bromomethane	2.699	94	78	1.293	ug/l #	3
16) Acetone	4.028	43	285	16.217	ug/l #	42
20) Methylene Chloride	4.793	84	184	Below Cal	#	44
36) 1,1-Dichloropropene	7.869	75	320	2.580	ug/l #	41
38) Carbon Tetrachloride	7.869	117	641	5.577	ug/l #	14
67) Ethyl Benzene	11.687	91	669	1.249	ug/l #	30
68) m/p-Xylenes	11.798	106	1095	5.376	ug/l	96
69) o-Xylene	12.128	106	1036	5.445	ug/l	83
76) 1,2,3-Trichloropropane	12.575	75	3107	44.776	ug/l #	100
78) n-propylbenzene	12.769	91	1995	3.240	ug/l	99
79) 2-Chlorotoluene	12.822	91	785	2.324	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.904	105	2742	6.654	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.575	75	3107	141.349	ug/l #	14
83) tert-Butylbenzene	13.410	119	923	2.598	ug/l	68
84) 1,2,4-Trimethylbenzene	13.210	105	11163	27.123	ug/l	96
85) sec-Butylbenzene	13.345	105	780	1.431	ug/l #	55
89) n-Butylbenzene	13.792	91	987	2.268	ug/l #	83
90) Hexachloroethane	14.063	117	403	4.585	ug/l #	15
95) Naphthalene	15.333	128	2365	10.323	ug/l #	72

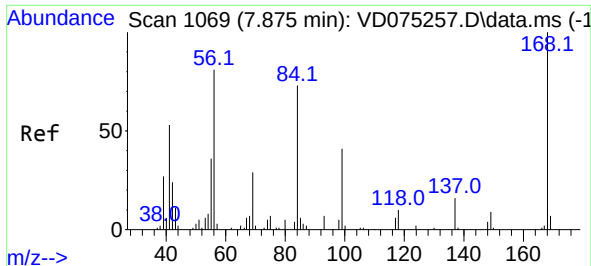
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
TR-6-020723

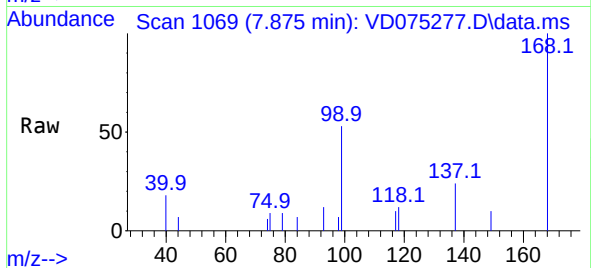
Quant Time: Feb 09 05:42:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
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QLast Update : Wed Feb 08 04:26:58 2023
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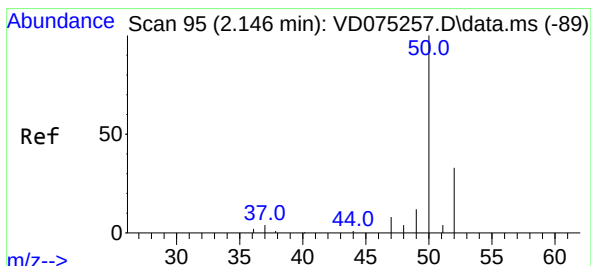
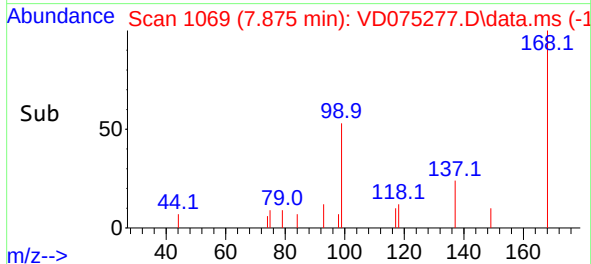
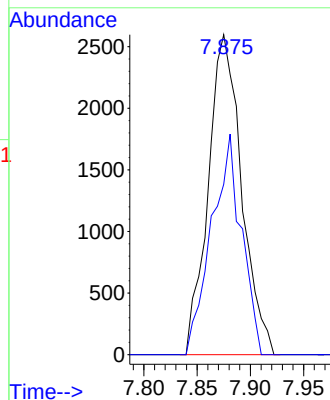


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

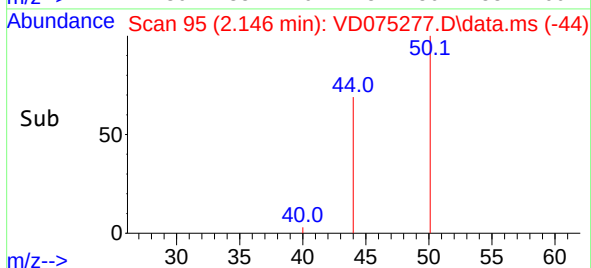
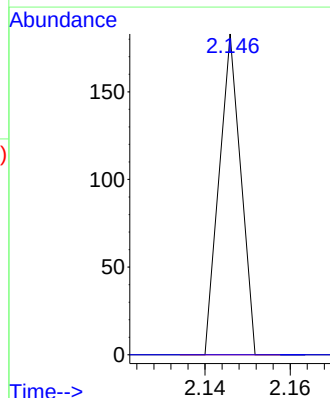
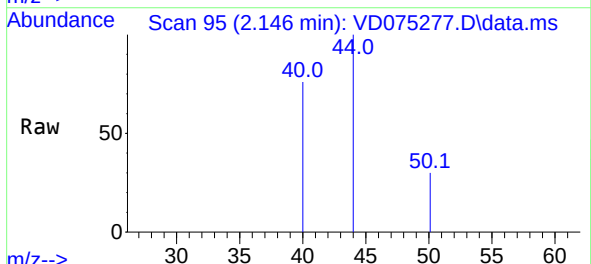


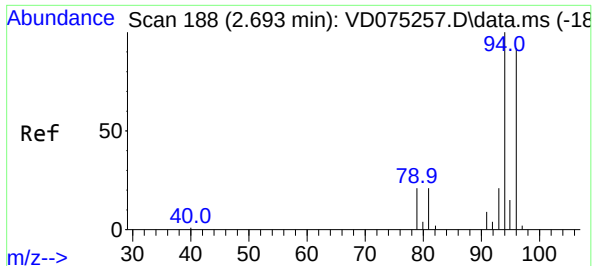
Tgt Ion:168 Resp: 5668
Ion Ratio Lower Upper
168 100
99 53.2 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion: 50 Resp: 65
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

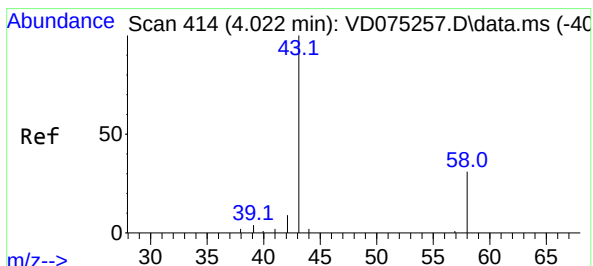
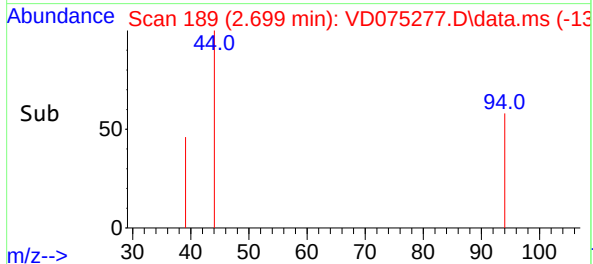
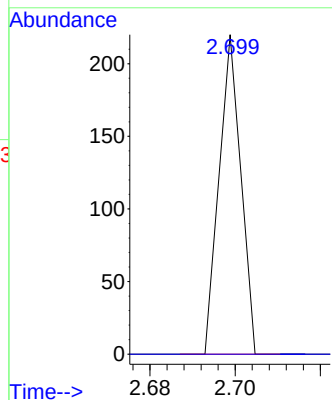
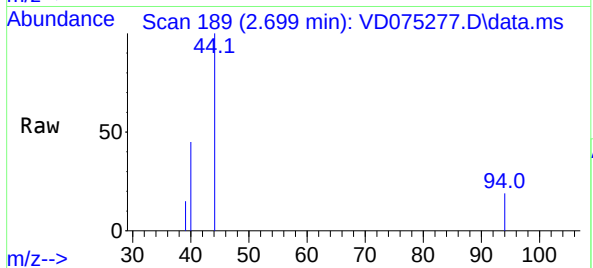




#5
Bromomethane
Concen: 1.293 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

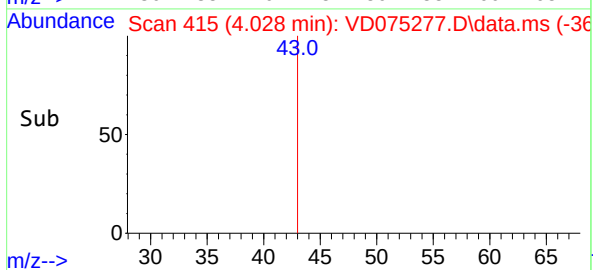
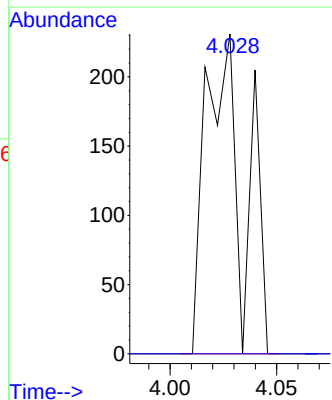
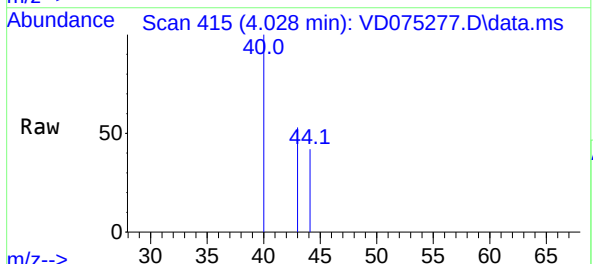
Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

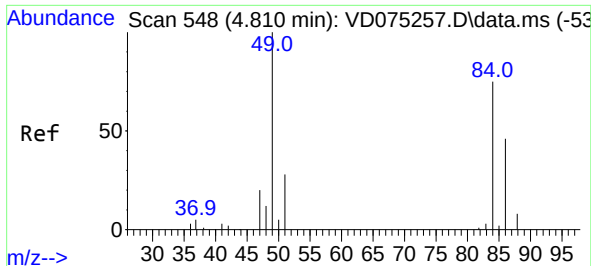
Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#16
Acetone
Concen: 16.217 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion: 43 Resp: 285
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

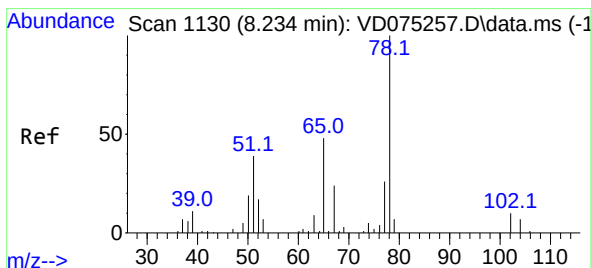
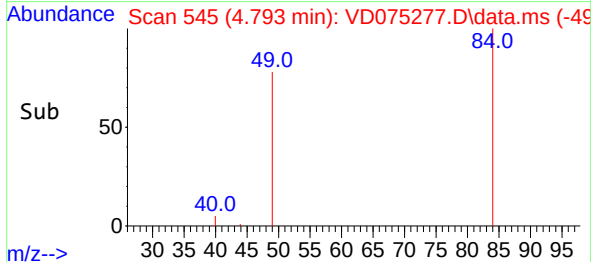
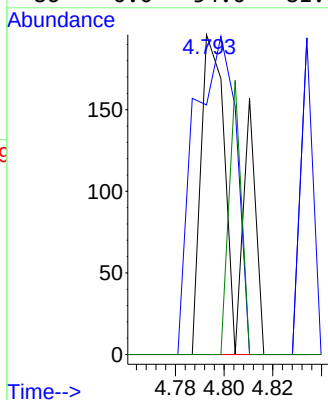
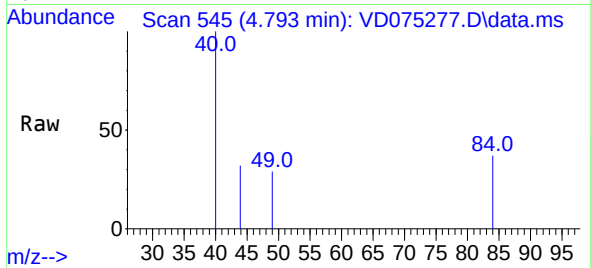




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.017 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

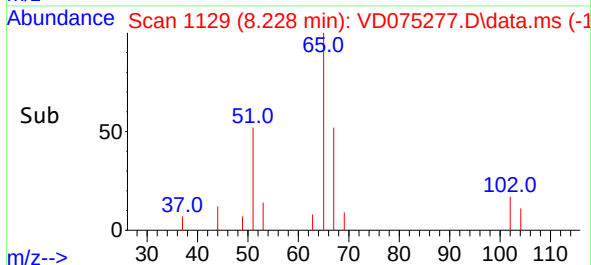
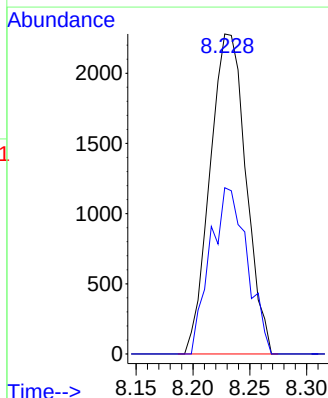
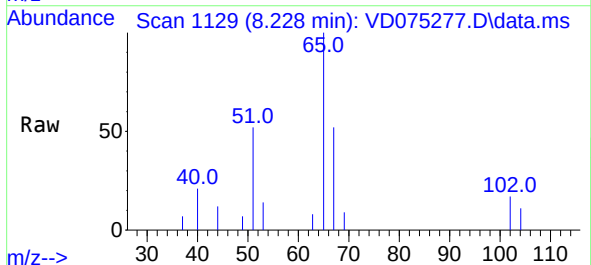
Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

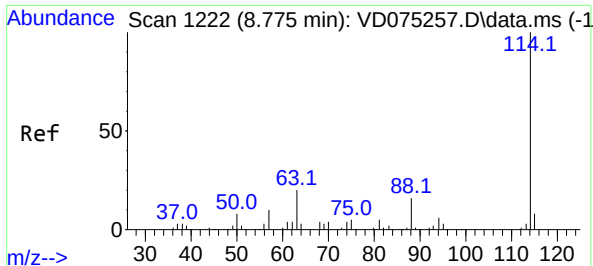
Tgt Ion: 84	Resp:	184	
Ion	Ratio	Lower	Upper
84	100		
49	78.1	97.0	145.6#
51	0.0	30.9	46.3#
86	0.0	54.0	81.0#



#33
1,2-Dichloroethane-d4
Concen: 75.472 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion: 65	Resp:	5016	
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075277.D

Acq: 08 Feb 2023 17:45

Instrument :

MSVOA_D

ClientSampleId :

TR-6-020723

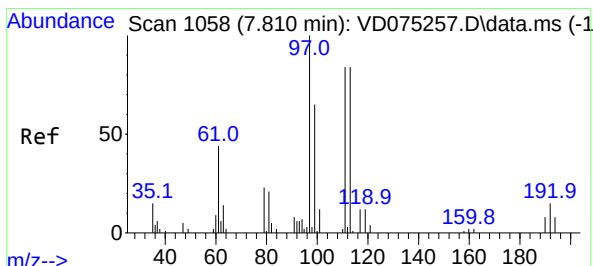
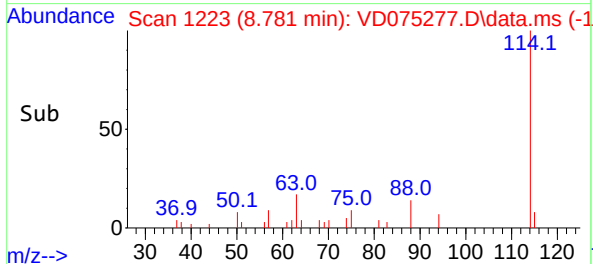
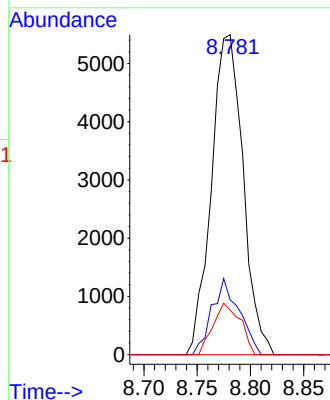
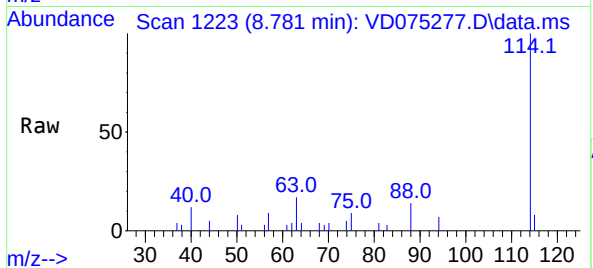
Tgt Ion:114 Resp: 11355

Ion Ratio Lower Upper

114 100

63 17.2 0.0 40.2

88 13.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 54.106 ug/l

RT: 7.816 min Scan# 1059

Delta R.T. 0.006 min

Lab File: VD075277.D

Acq: 08 Feb 2023 17:45

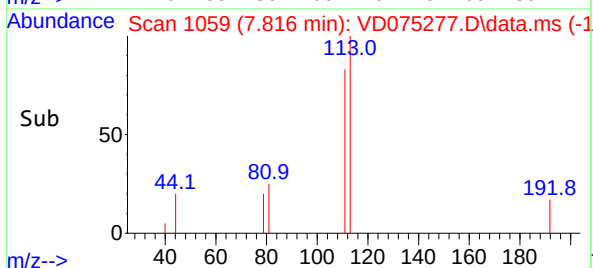
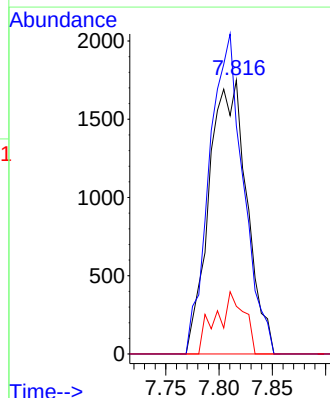
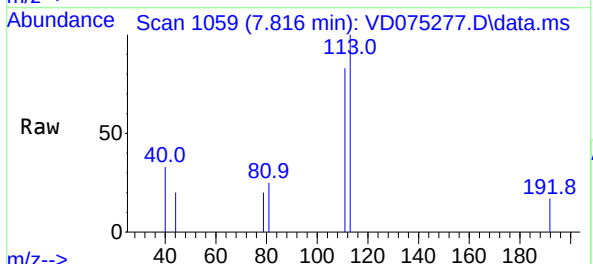
Tgt Ion:113 Resp: 4308

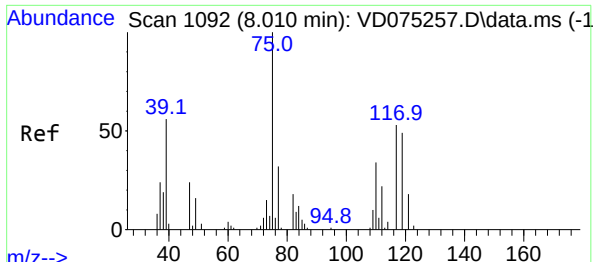
Ion Ratio Lower Upper

113 100

111 105.4 80.1 120.1

192 17.1 15.4 23.0





#36

1,1-Dichloropropene

Concen: 2.580 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD075277.D

Acq: 08 Feb 2023 17:45

Instrument :

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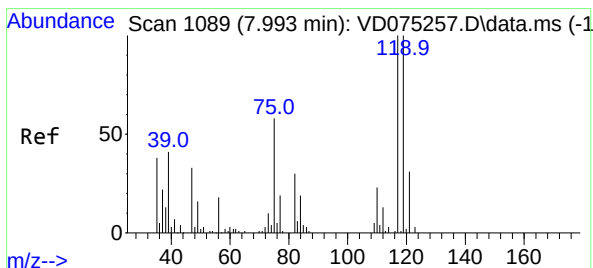
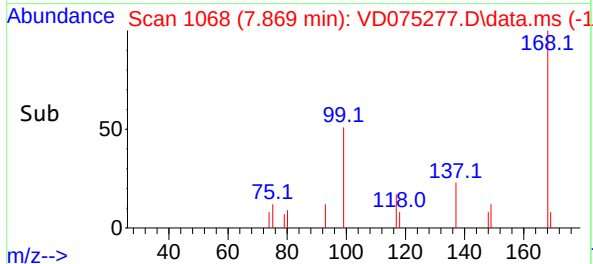
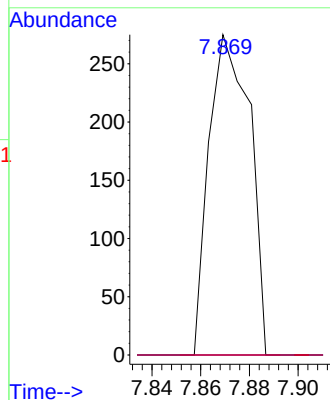
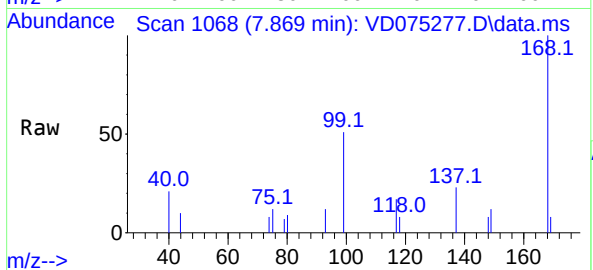
Tgt Ion: 75 Resp: 320

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.4#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.577 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD075277.D

Acq: 08 Feb 2023 17:45

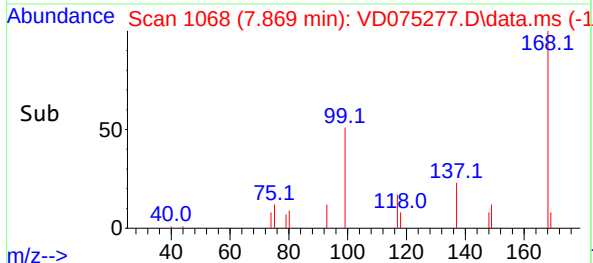
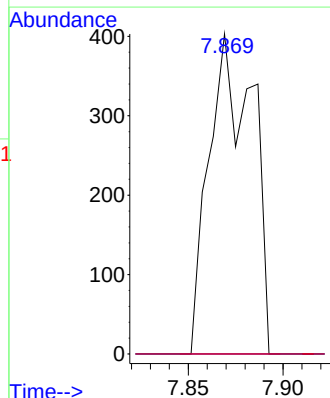
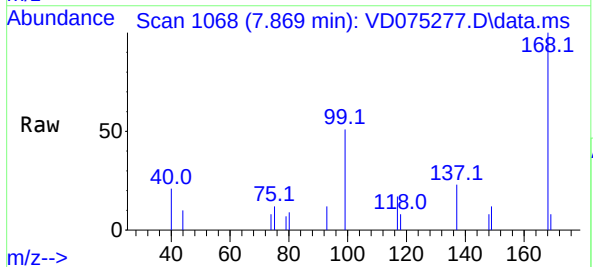
Tgt Ion: 117 Resp: 641

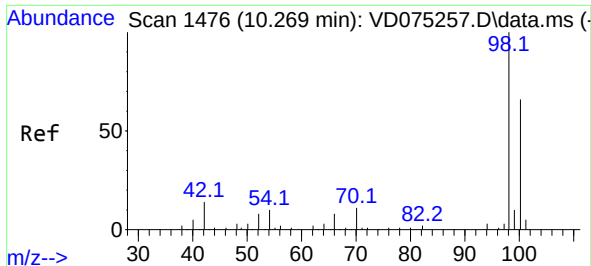
Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

121 0.0 25.4 38.0#

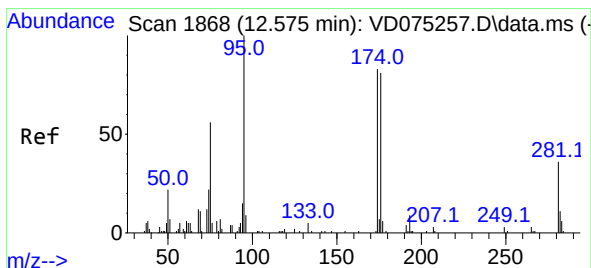
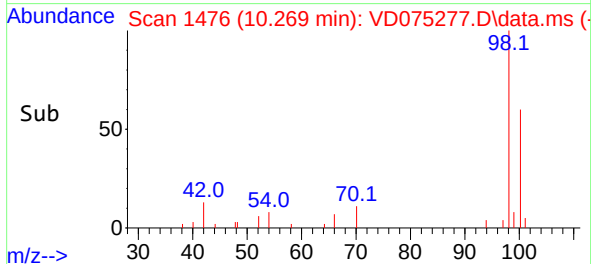
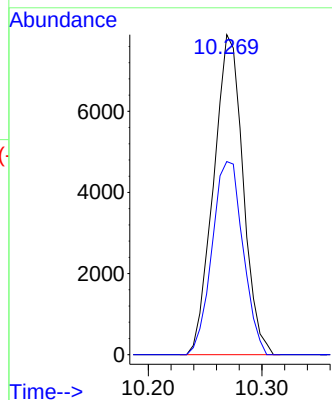
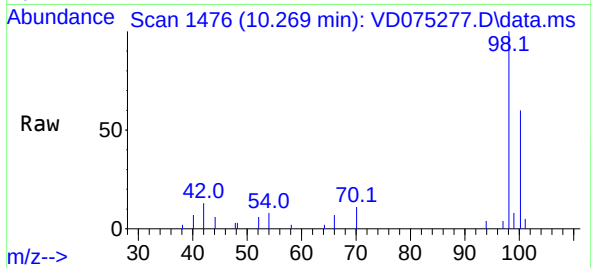




#50
Toluene-d8
Concen: 47.107 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

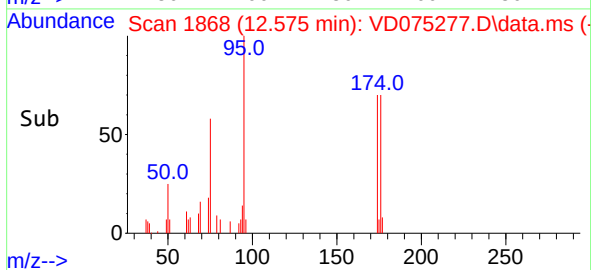
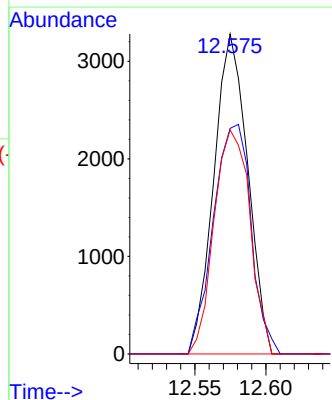
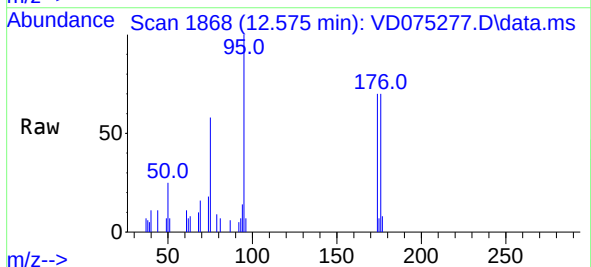
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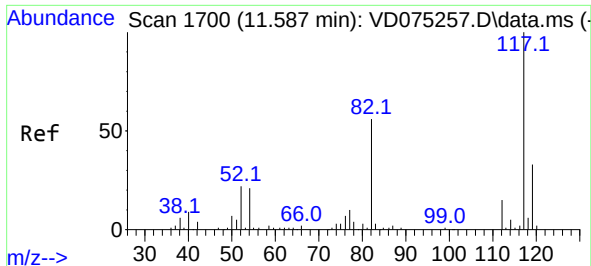
Tgt Ion: 98 Resp: 14224
Ion Ratio Lower Upper
98 100
100 63.3 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 54.437 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion: 95 Resp: 5420
Ion Ratio Lower Upper
95 100
174 80.3 0.0 161.2
176 74.3 0.0 160.2

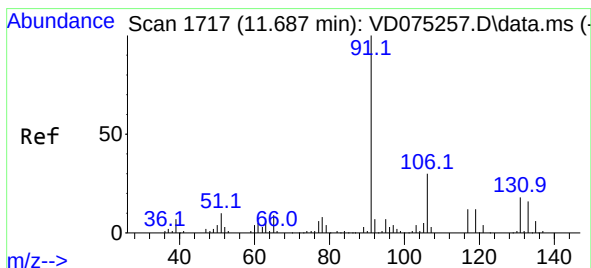
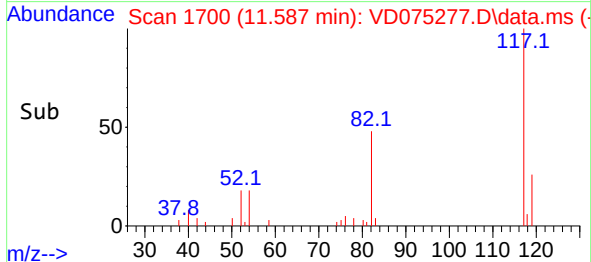
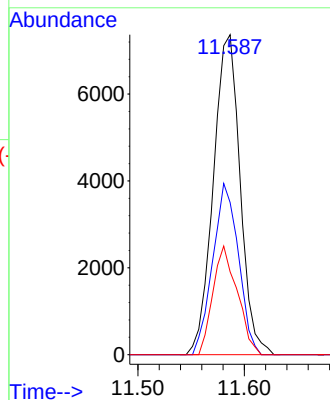
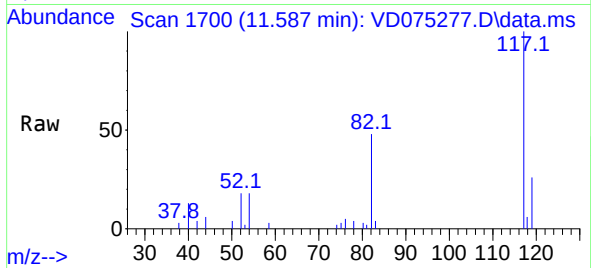




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

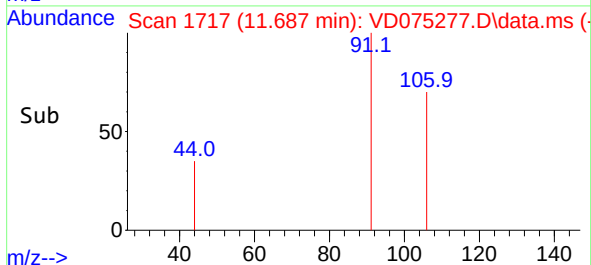
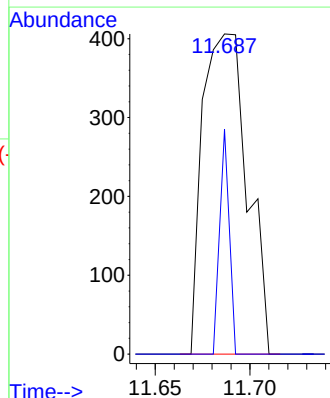
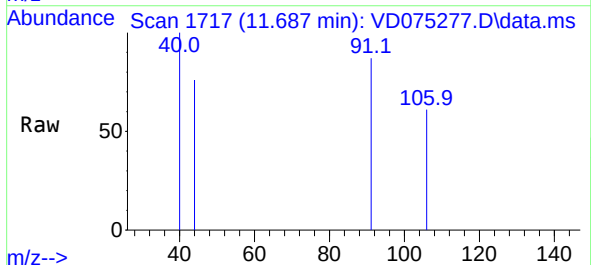
Instrument :
MSVOA_D
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TR-6-020723

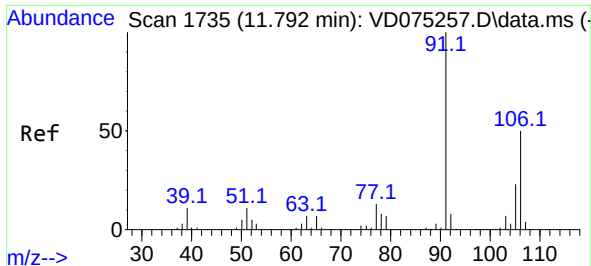
Tgt Ion:	117	Resp:	12861
Ion	Ratio	Lower	Upper
117	100		
82	47.6	39.6	59.4
119	25.9	24.6	37.0



#67
Ethyl Benzene
Concen: 1.249 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion:	91	Resp:	669
Ion	Ratio	Lower	Upper
91	100		
106	70.2	25.0	37.6#

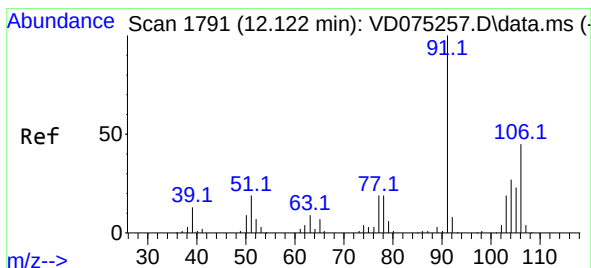
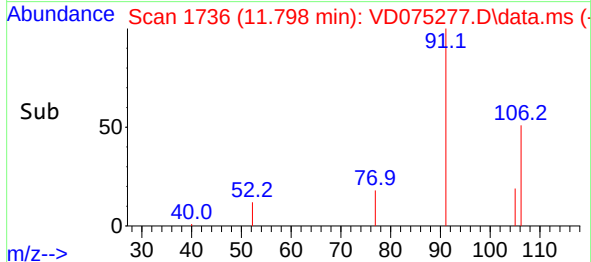
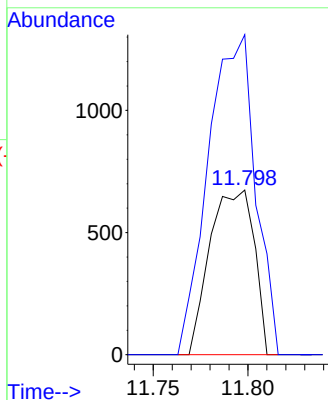
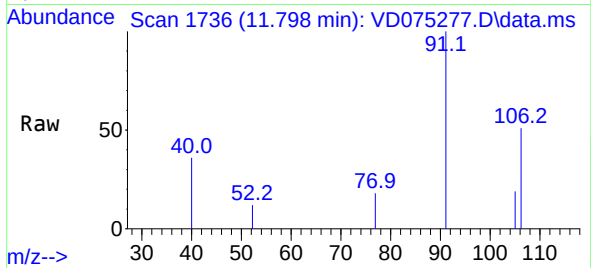




#68
m/p-Xylenes
Concen: 5.376 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

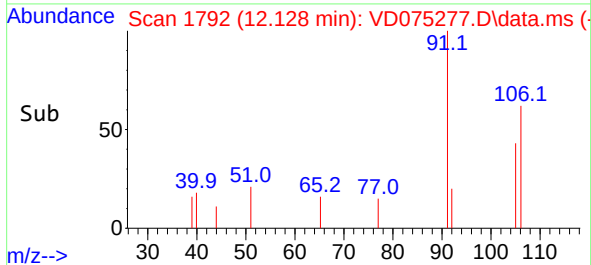
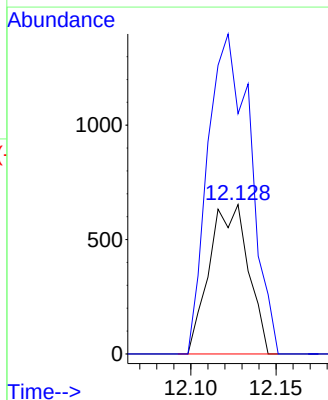
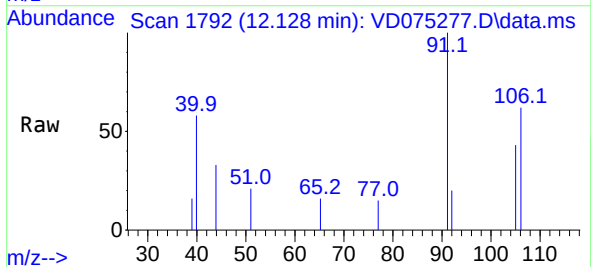
Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

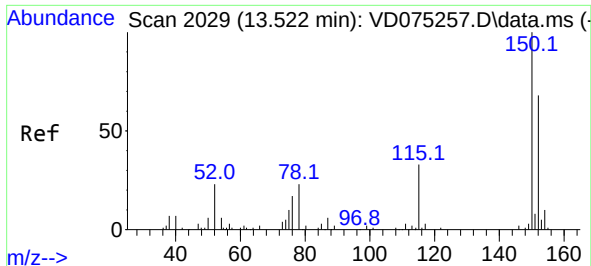
Tgt Ion:106 Resp: 1095
Ion Ratio Lower Upper
106 100
91 206.9 160.3 240.5



#69
o-Xylene
Concen: 5.445 ug/l
RT: 12.128 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion:106 Resp: 1036
Ion Ratio Lower Upper
106 100
91 233.3 103.6 310.9

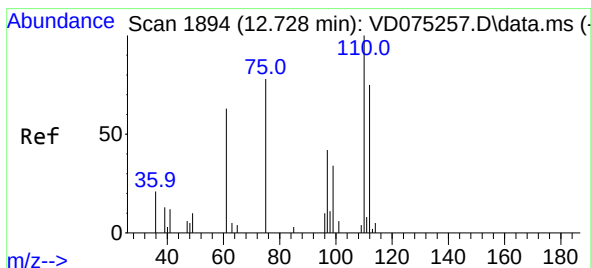
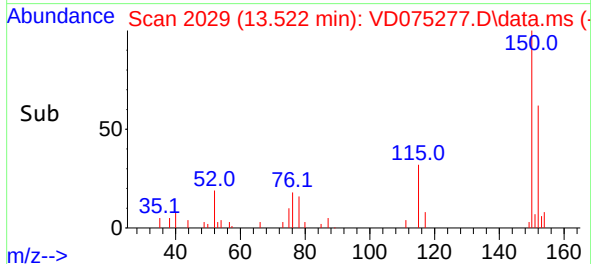
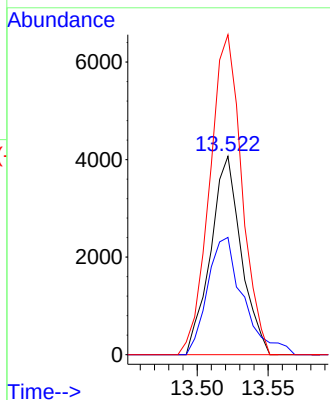
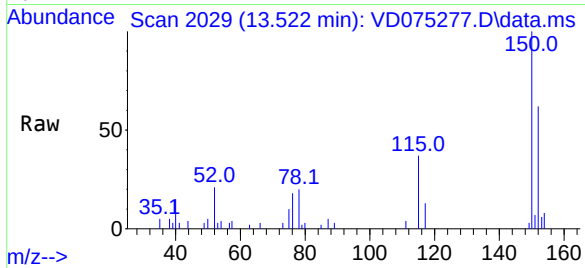




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

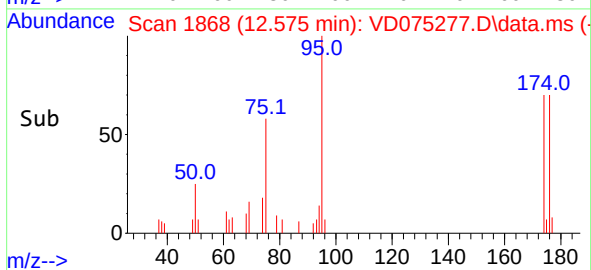
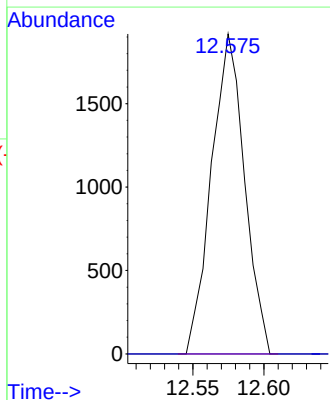
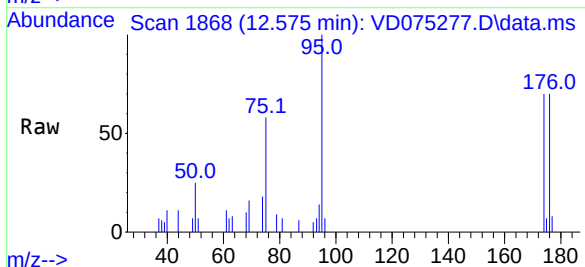
Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

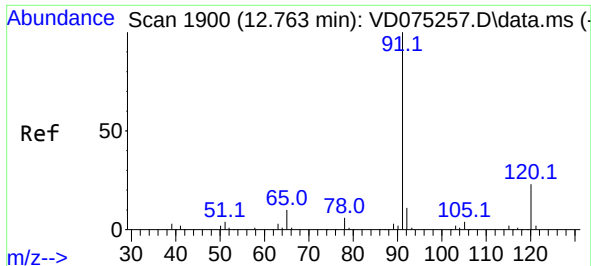
Tgt Ion:152 Resp: 6109
Ion Ratio Lower Upper
152 100
115 68.9 28.8 86.4
150 169.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.776 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion: 75 Resp: 3107
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

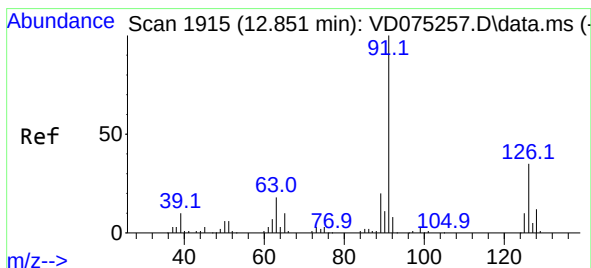
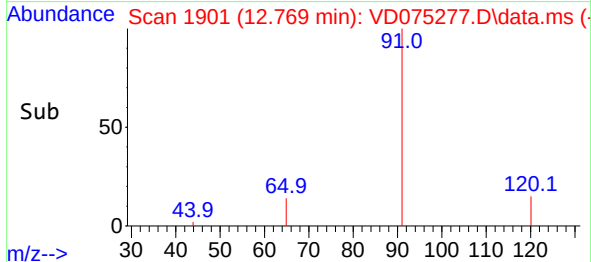
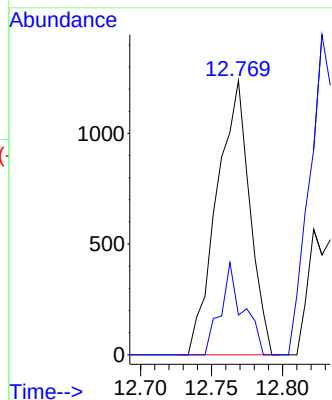
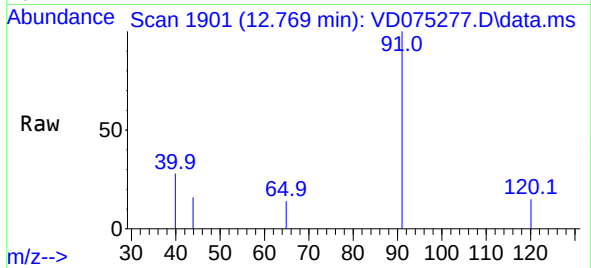




#78
n-propylbenzene
Concen: 3.240 ug/l
RT: 12.769 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

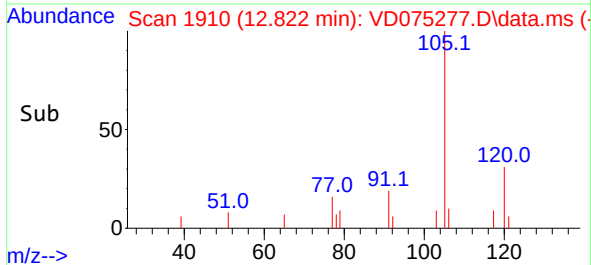
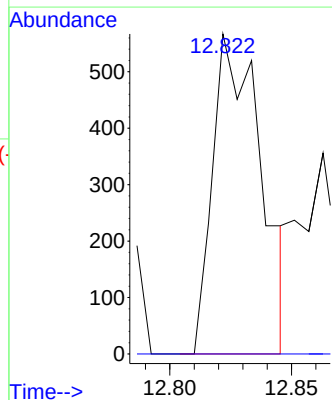
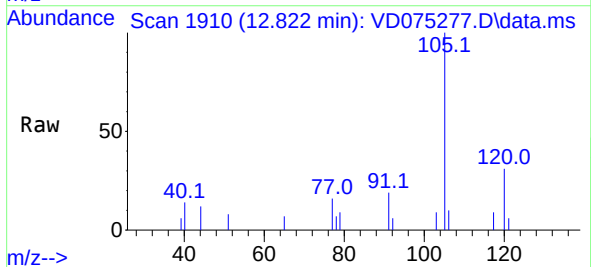
Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

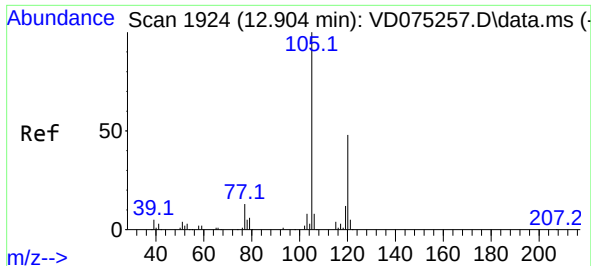
Tgt Ion: 91 Resp: 1995
Ion Ratio Lower Upper
91 100
120 22.9 11.7 35.0



#79
2-Chlorotoluene
Concen: 2.324 ug/l
RT: 12.822 min Scan# 1910
Delta R.T. -0.029 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion: 91 Resp: 785
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

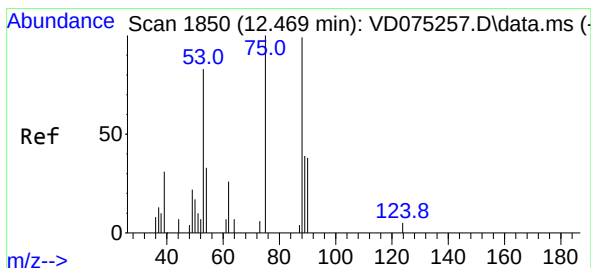
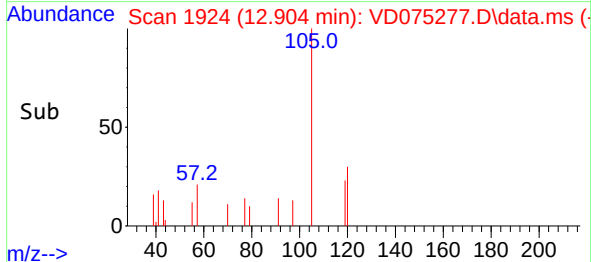
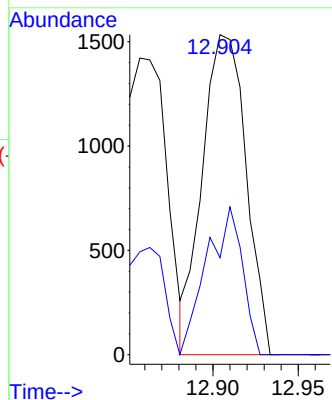
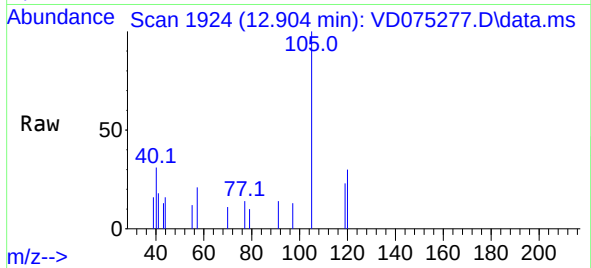




#80
1,3,5-Trimethylbenzene
Concen: 6.654 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

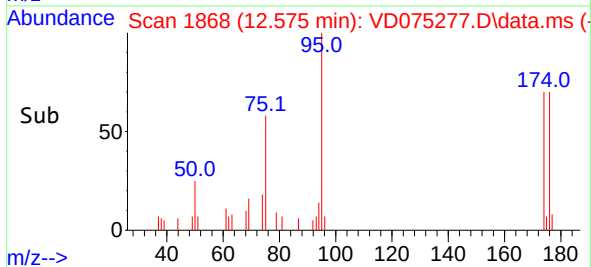
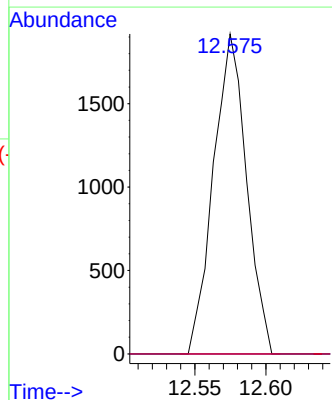
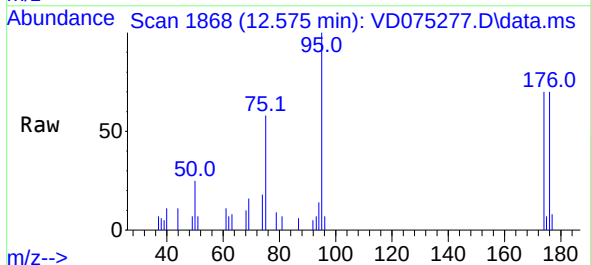
Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

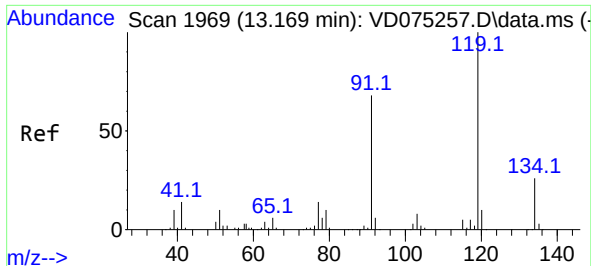
Tgt Ion:105 Resp: 2742
Ion Ratio Lower Upper
105 100
120 37.7 24.6 73.8



#81
trans-1,4-Dichloro-2-butene
Concen: 141.349 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion: 75 Resp: 3107
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

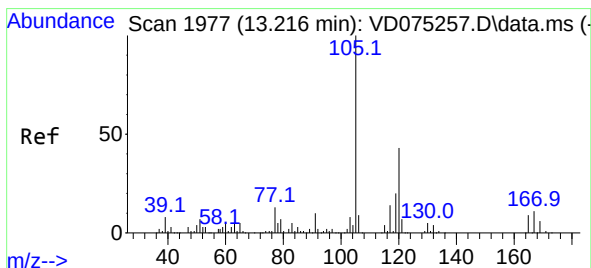
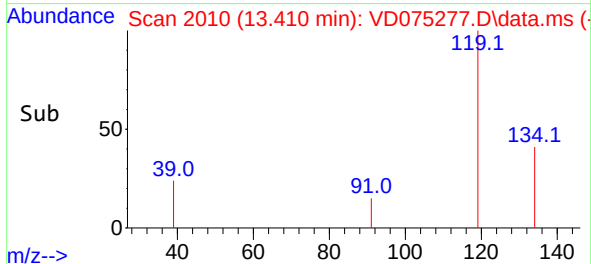
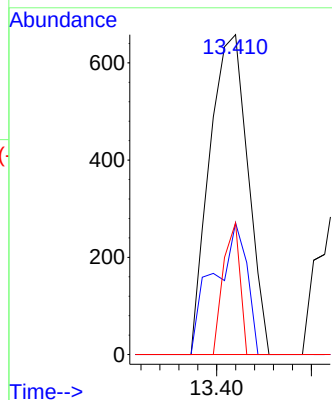
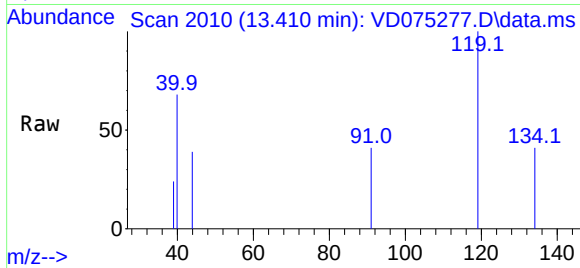




#83
tert-Butylbenzene
Concen: 2.598 ug/l
RT: 13.410 min Scan# 20
Delta R.T. 0.241 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

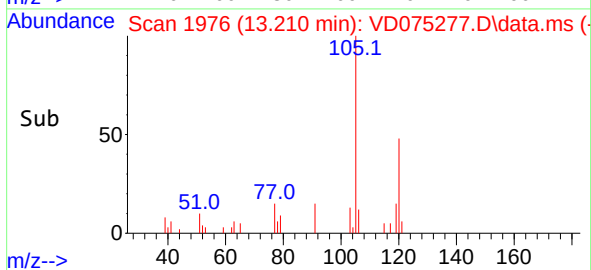
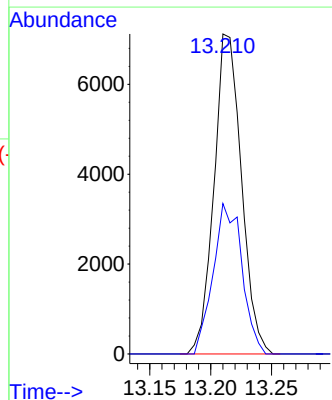
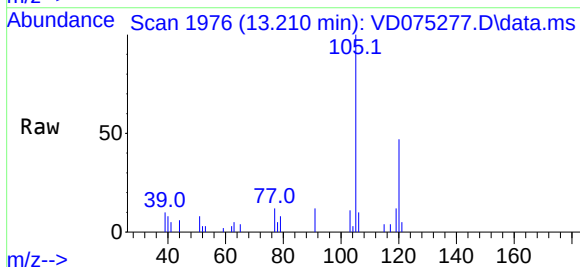
Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

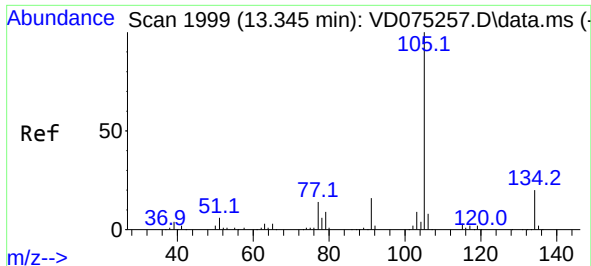
Tgt Ion:	119	Resp:	923
Ion	Ratio	Lower	Upper
119	100		
91	35.9	32.9	98.6
134	18.0	13.3	39.8



#84
1,2,4-Trimethylbenzene
Concen: 27.123 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion:	105	Resp:	11163
Ion	Ratio	Lower	Upper
105	100		
120	49.2	23.2	69.5

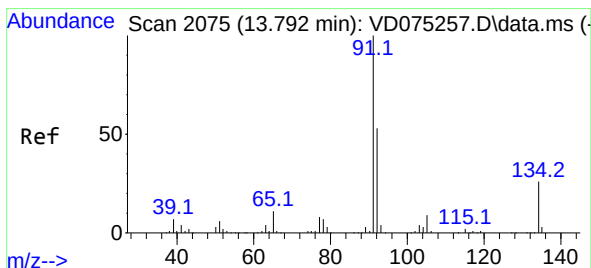
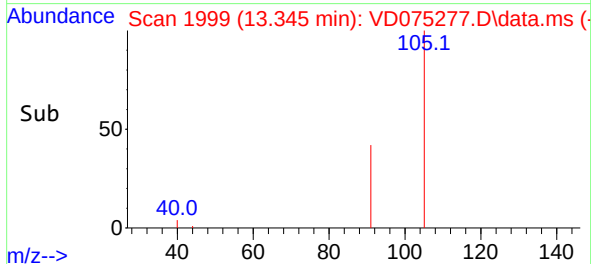
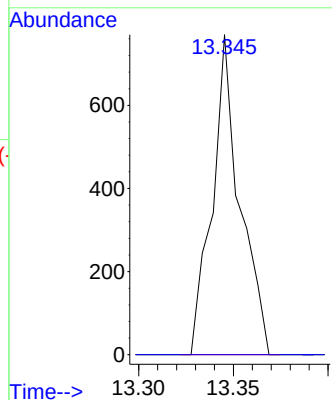
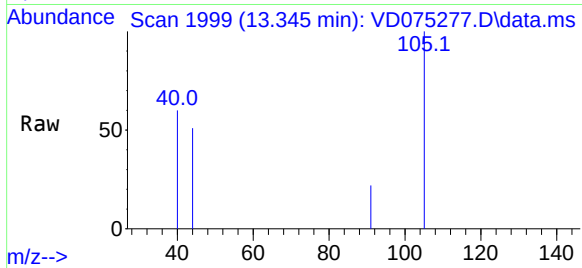




#85
 sec-Butylbenzene
 Concen: 1.431 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD075277.D
 Acq: 08 Feb 2023 17:45

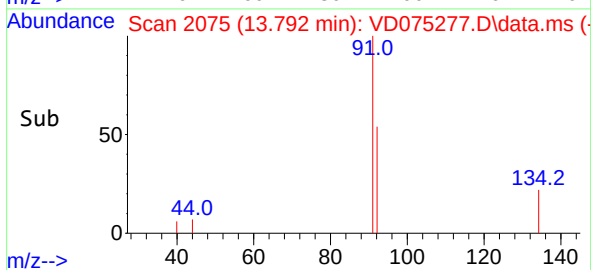
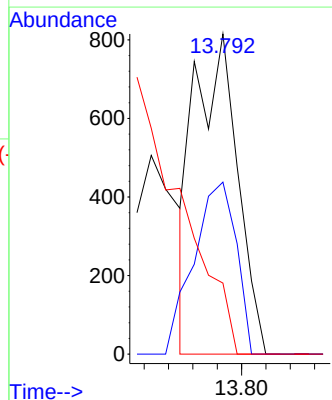
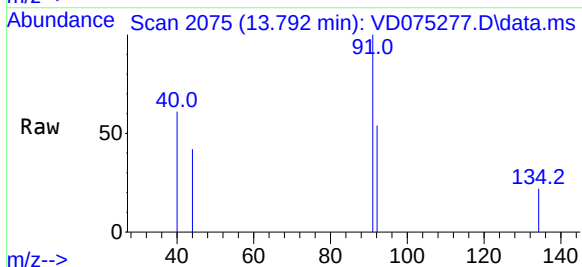
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-6-020723

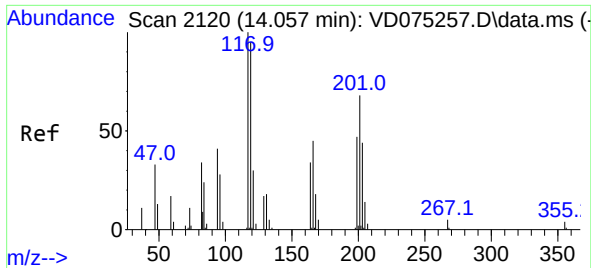
Tgt Ion:105 Resp: 780
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#



#89
 n-Butylbenzene
 Concen: 2.268 ug/l
 RT: 13.792 min Scan# 2075
 Delta R.T. 0.000 min
 Lab File: VD075277.D
 Acq: 08 Feb 2023 17:45

Tgt Ion: 91 Resp: 987
 Ion Ratio Lower Upper
 91 100
 92 53.9 26.8 80.3
 134 0.0 13.3 39.8#

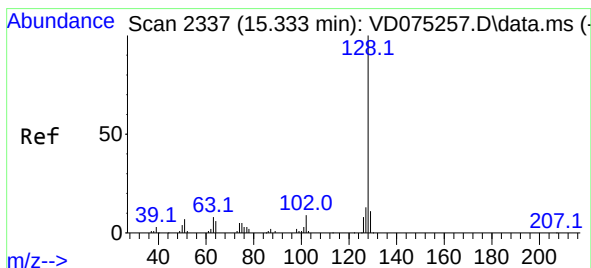
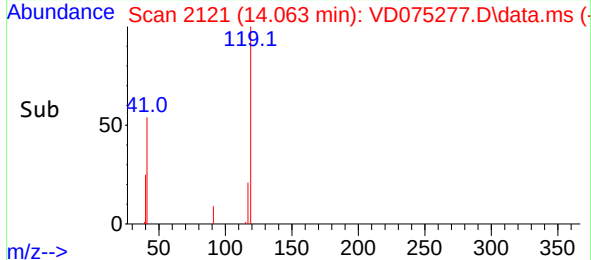
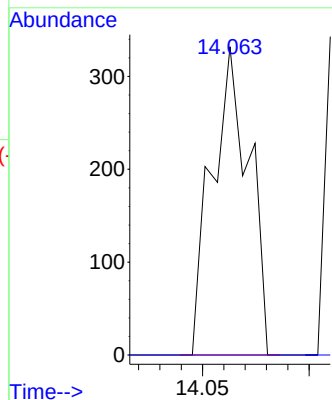
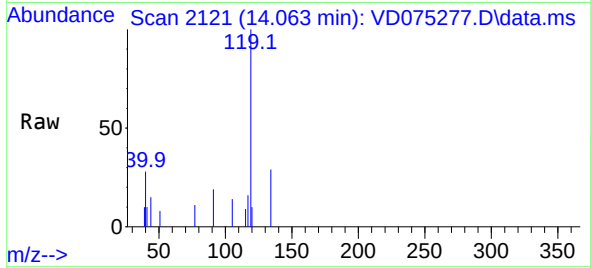




#90
Hexachloroethane
Concen: 4.585 ug/l
RT: 14.063 min Scan# 2121
Delta R.T. 0.006 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Instrument :
MSVOA_D
ClientSampleId :
TR-6-020723

Tgt Ion:117 Resp: 403
Ion Ratio Lower Upper
117 100
201 0.0 35.1 105.5#



#95
Naphthalene
Concen: 10.323 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD075277.D
Acq: 08 Feb 2023 17:45

Tgt Ion:128 Resp: 2365
Ion Ratio Lower Upper
128 100
127 2.4 10.6 15.8#
129 0.0 8.7 13.1#

