

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD076999.D
 Acq On : 14 Aug 2023 14:17
 Operator : JC/SY
 Sample : 03971-08
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-PP03A

Quant Time: Aug 14 14:36:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

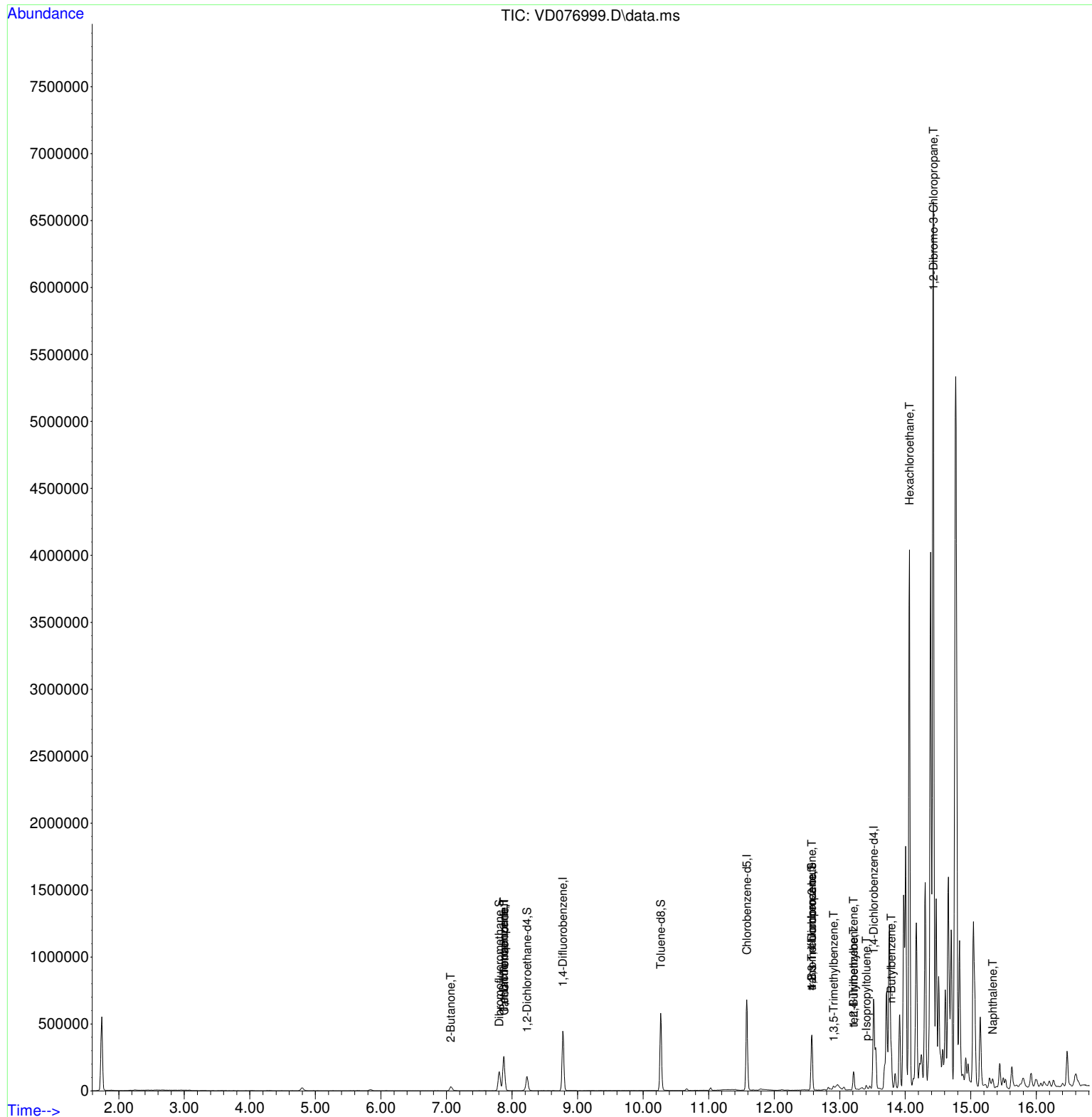
Internal Standards						
1) Pentafluorobenzene	7.875	168	200598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	408007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	405657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	183767	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	80739	51.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.04%			
35) Dibromofluoromethane	7.805	113	106622	48.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.22%			
50) Toluene-d8	10.269	98	400892	56.90	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.80%			
62) 4-Bromofluorobenzene	12.575	95	128116	52.02	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.04%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	150	Below Cal	#	73
16) Acetone	4.028	43	523	Below Cal	#	32
20) Methylene Chloride	4.799	84	17271	Below Cal	#	95
25) 2-Butanone	7.063	43	891	1.68 ug/l	#	37
31) Cyclohexane	7.869	56	4367	Below Cal	#	60
36) 1,1-Dichloropropene	7.875	75	15499	5.71 ug/l	#	47
38) Carbon Tetrachloride	7.881	117	19968	6.88 ug/l	#	17
76) 1,2,3-Trichloropropane	12.575	75	64631	37.49 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.904	105	11077	1.18 ug/l	#	84
81) trans-1,4-Dichloro-2-b...	12.575	75	64631	88.08 ug/l	#	18
83) tert-Butylbenzene	13.210	119	9684	1.13 ug/l	#	56
84) 1,2,4-Trimethylbenzene	13.210	105	74536	7.79 ug/l	#	95
86) p-Isopropyltoluene	13.404	119	16793	1.56 ug/l	#	96
89) n-Butylbenzene	13.787	91	146843	14.35 ug/l	#	75
90) Hexachloroethane	14.063	117	198527	91.48 ug/l	#	11
92) 1,2-Dibromo-3-Chloropr...	14.428	75	24830	71.67 ug/l	#	1
95) Naphthalene	15.334	128	49438	7.57 ug/l	#	95

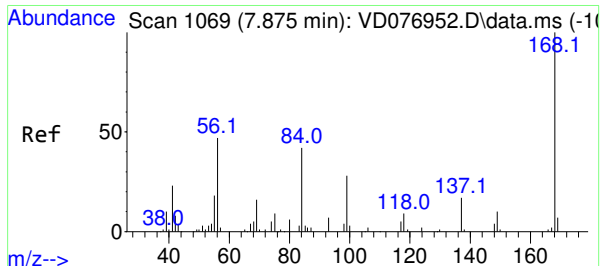
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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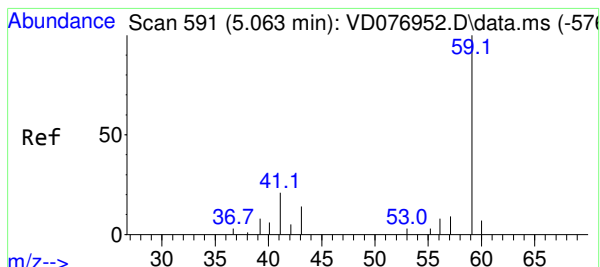
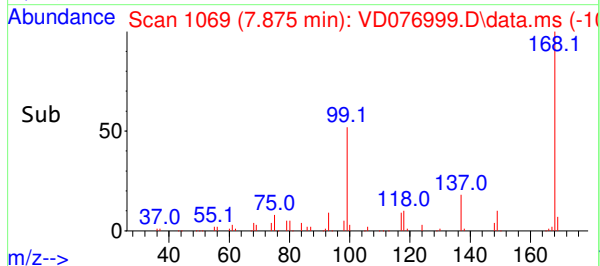
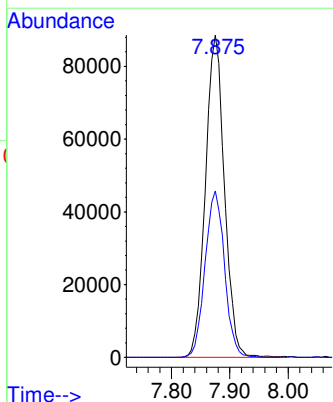
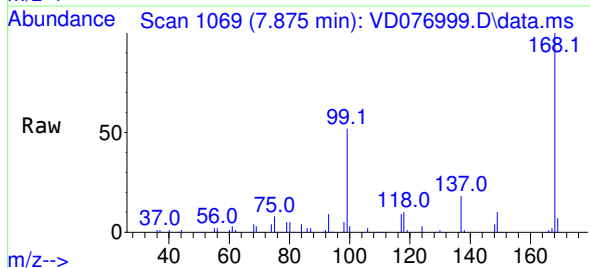




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.875 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

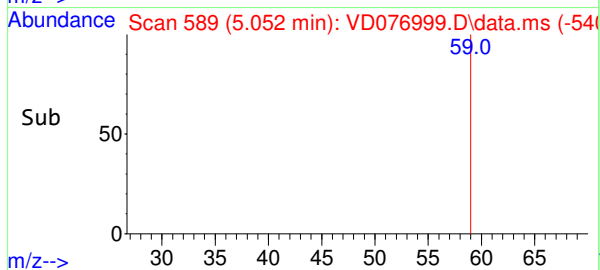
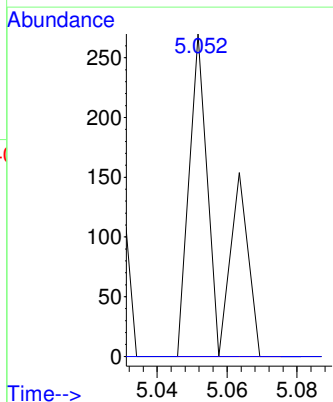
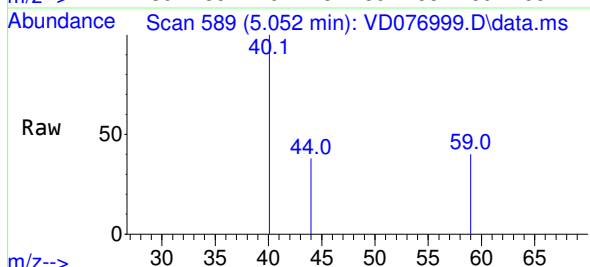
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

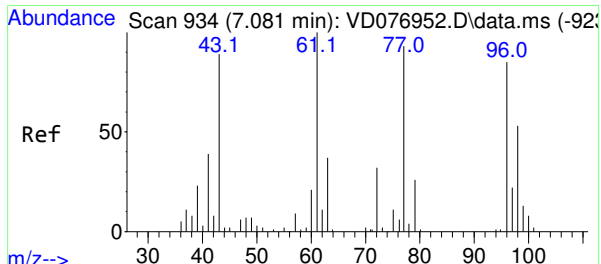
Tgt Ion:168 Resp: 200598
Ion Ratio Lower Upper
168 100
99 51.6 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 589
Delta R.T. -0.011 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion: 59 Resp: 150
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

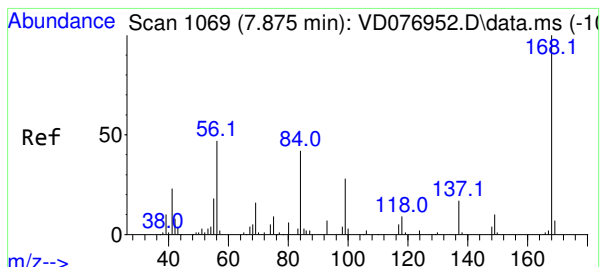
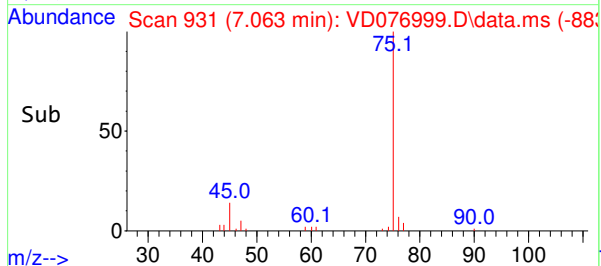
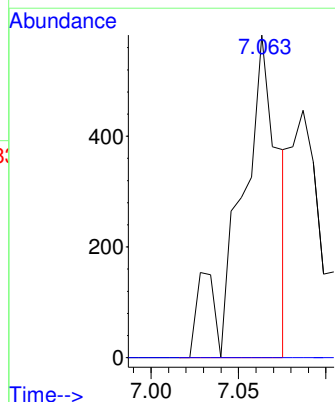
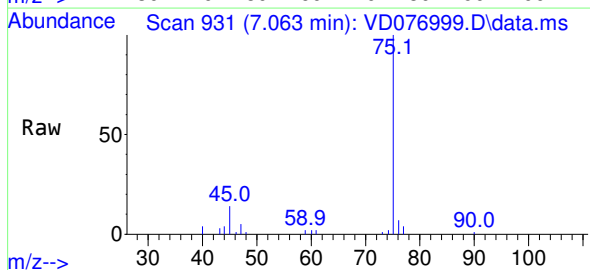




#25
2-Butanone
Concen: 1.68 ug/l
RT: 7.063 min Scan# 9
Delta R.T. -0.018 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

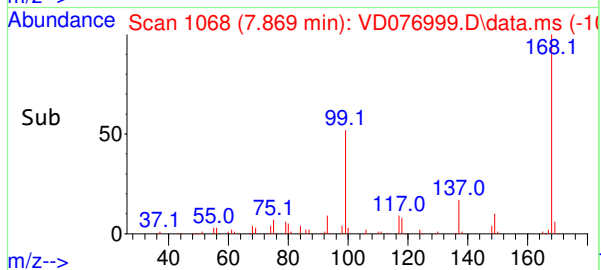
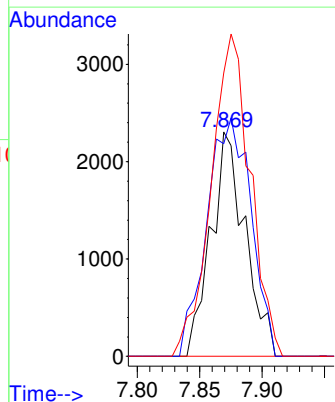
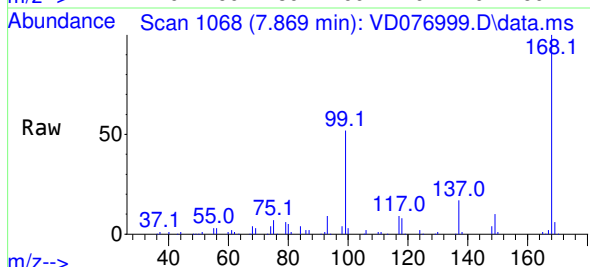
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

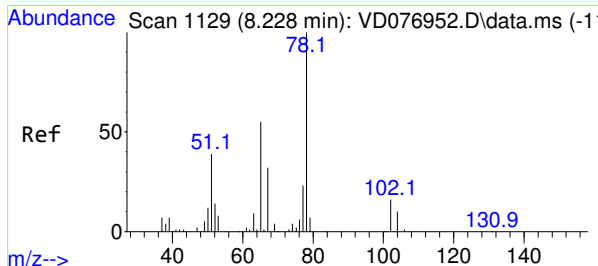
Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion: 56 Resp: 4367
Ion Ratio Lower Upper
56 100
69 94.7 28.6 43.0#
84 126.3 84.8 127.2

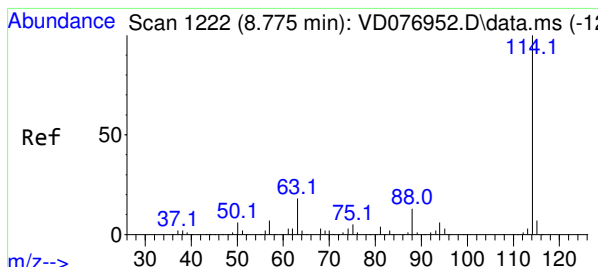
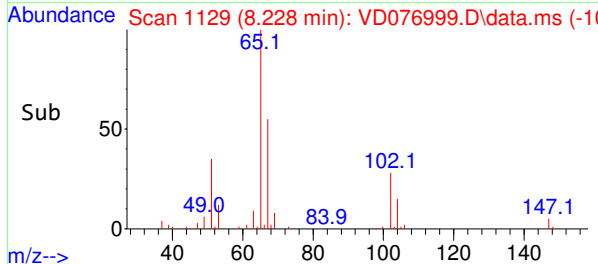
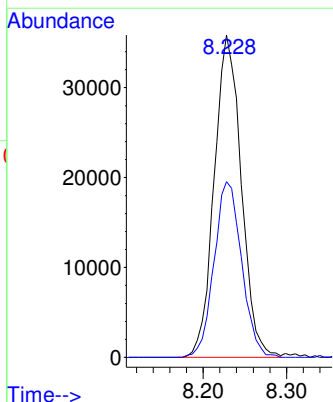
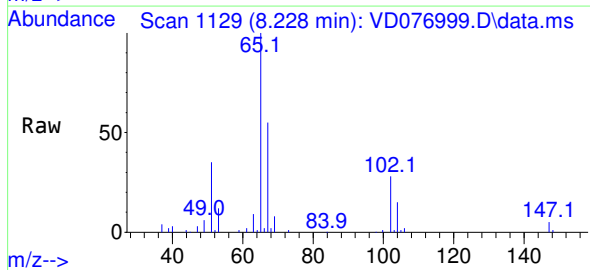




#33
1,2-Dichloroethane-d4
Concen: 51.02 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

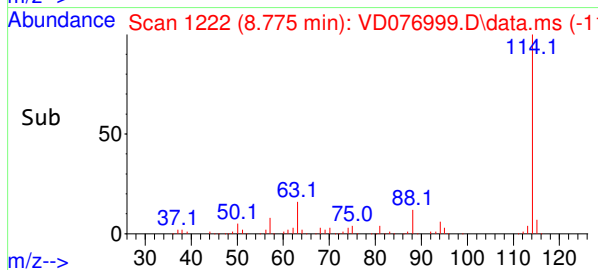
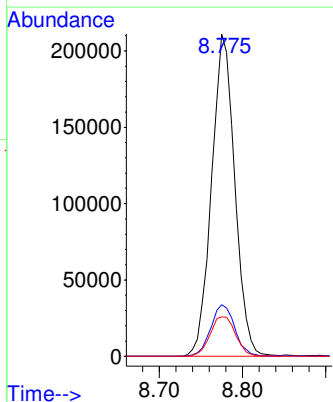
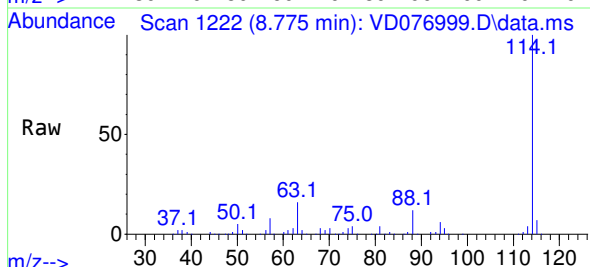
Instrument :
MSVOA_D
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B-PP03A

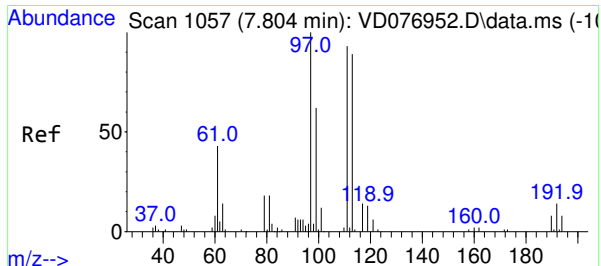
Tgt Ion: 65 Resp: 80739
Ion Ratio Lower Upper
65 100
67 55.6 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion:114 Resp: 408007
Ion Ratio Lower Upper
114 100
63 16.0 0.0 33.4
88 12.3 0.0 26.2

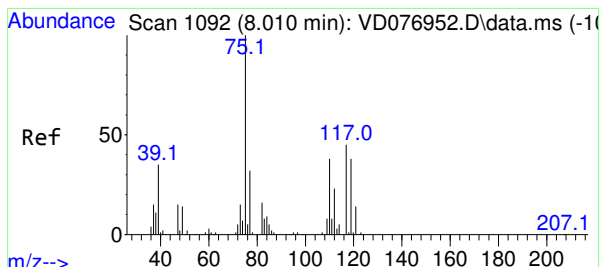
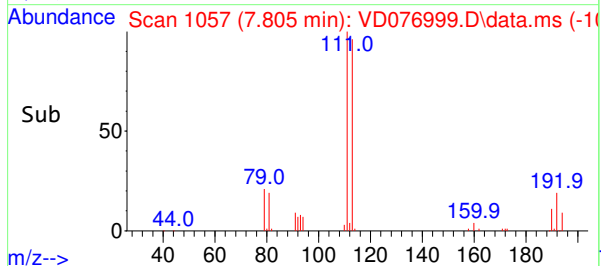
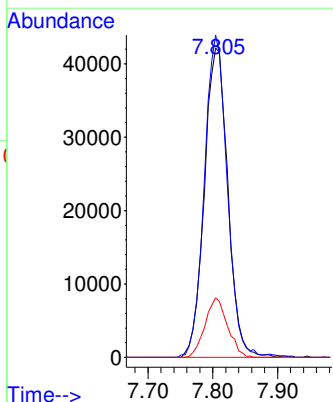
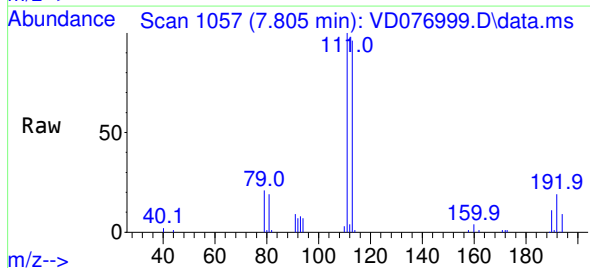




#35
Dibromofluoromethane
Concen: 48.61 ug/l
RT: 7.805 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

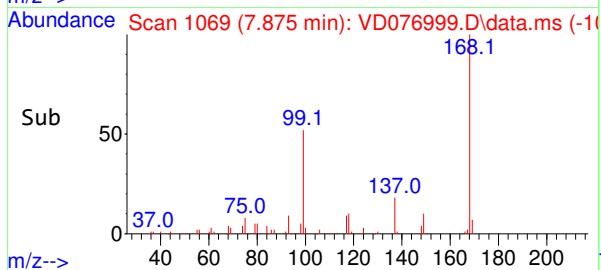
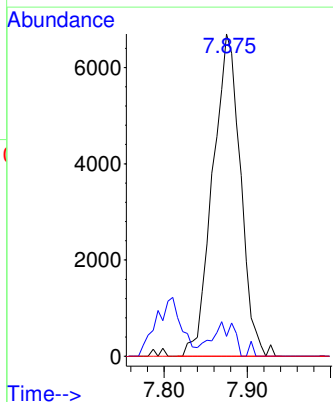
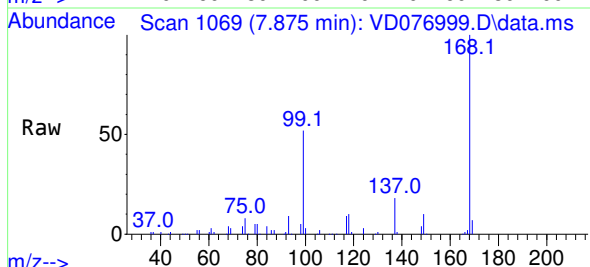
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

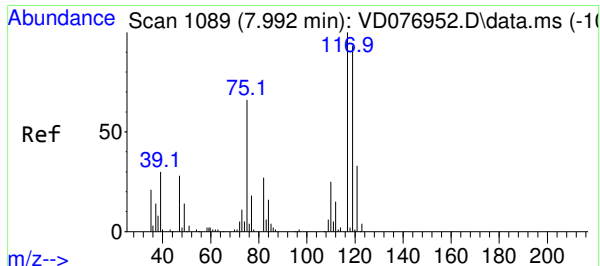
Tgt Ion:113 Resp: 106622
Ion Ratio Lower Upper
113 100
111 101.1 84.7 127.1
192 18.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.71 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion: 75 Resp: 15499
Ion Ratio Lower Upper
75 100
110 8.5 19.9 59.6#
77 0.0 24.7 37.1#

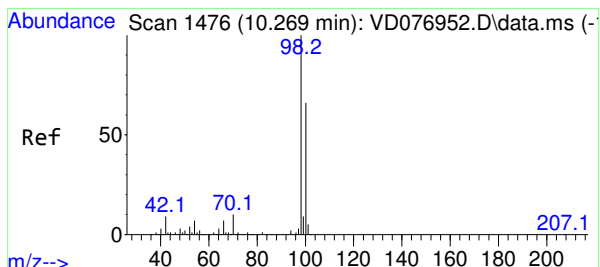
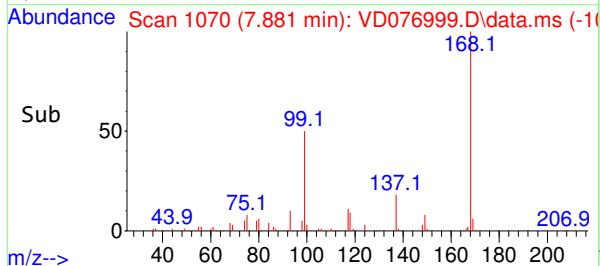
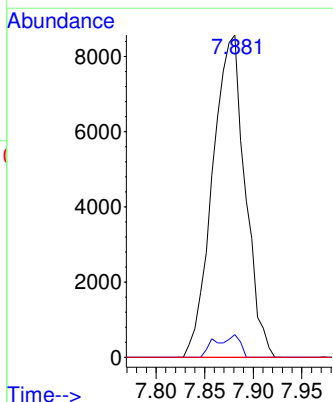
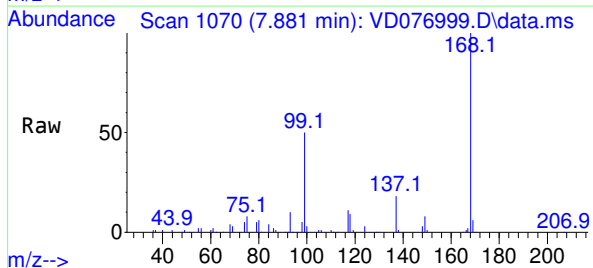




#38
Carbon Tetrachloride
Concen: 6.88 ug/l
RT: 7.881 min Scan# 1
Delta R.T. -0.111 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

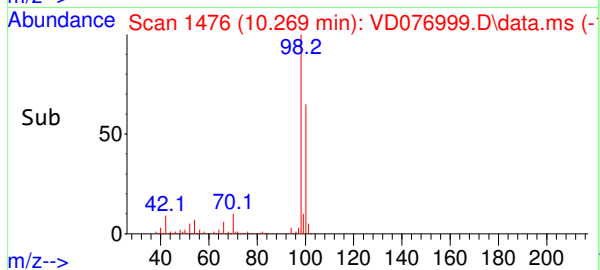
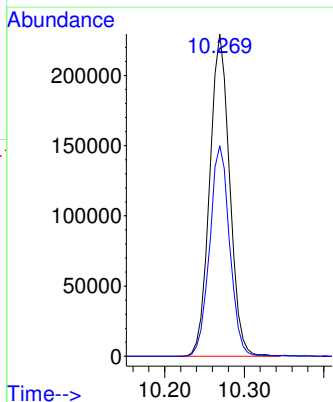
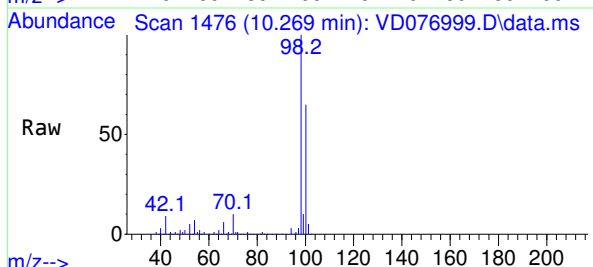
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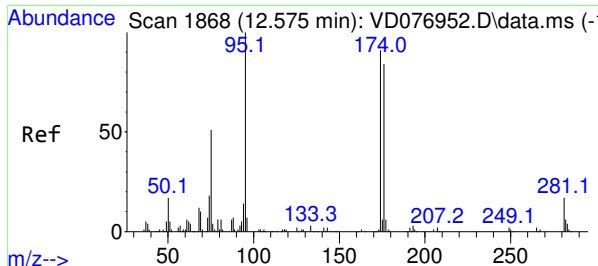
Tgt Ion:117 Resp: 19968
Ion Ratio Lower Upper
117 100
119 7.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 56.90 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion: 98 Resp: 400892
Ion Ratio Lower Upper
98 100
100 65.3 50.3 75.5

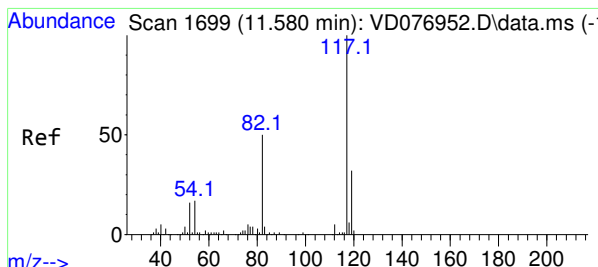
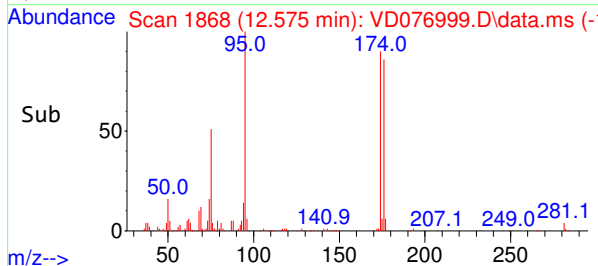
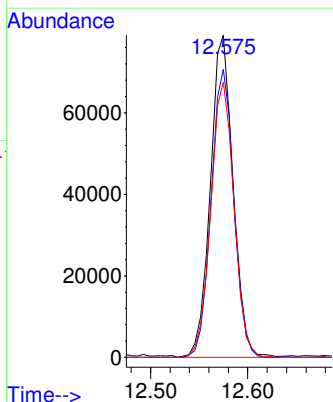
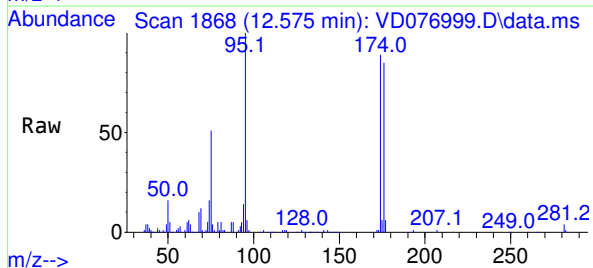




#62
4-Bromofluorobenzene
Concen: 52.02 ug/l
RT: 12.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

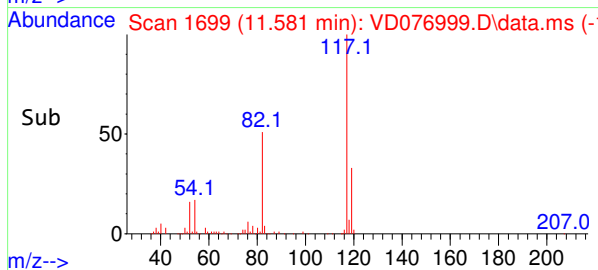
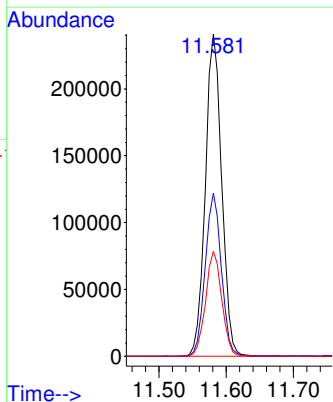
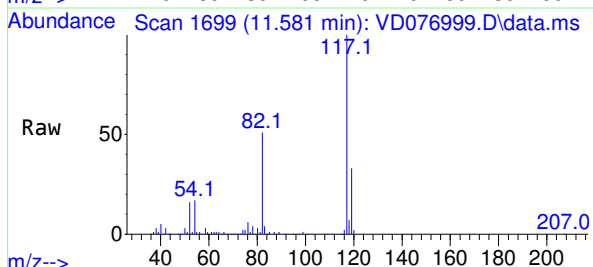
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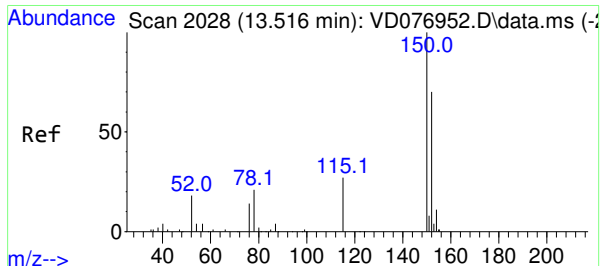
Tgt Ion:	95	Resp:	128116
Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	201.8
176	86.8	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion:	117	Resp:	405657
Ion	Ratio	Lower	Upper
117	100		
82	50.6	38.3	57.5
119	32.6	25.0	37.4

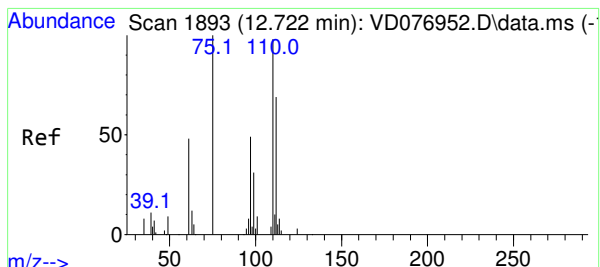
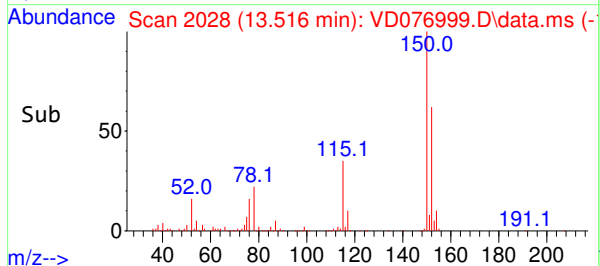
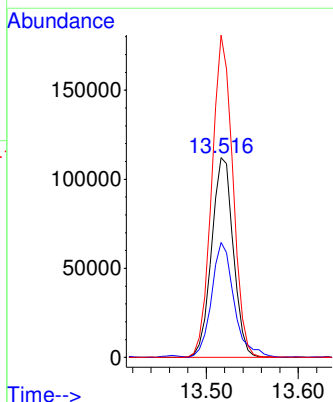
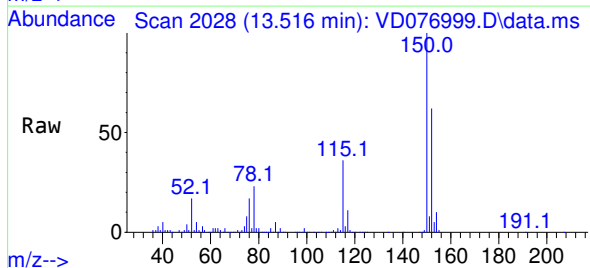




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.516 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

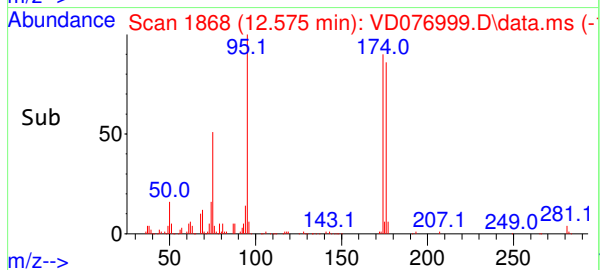
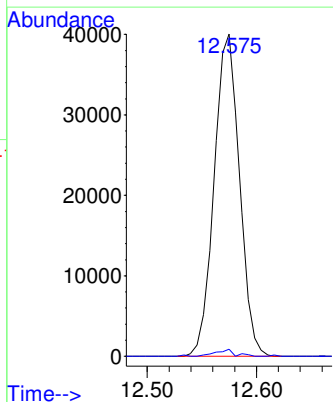
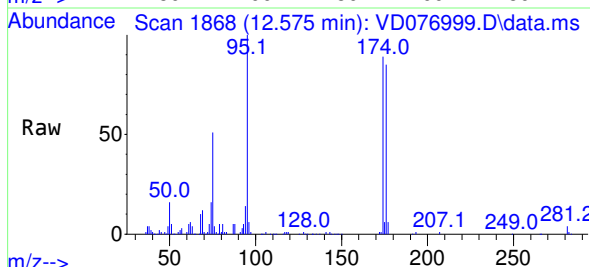
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

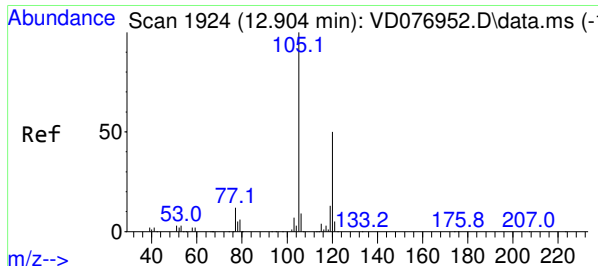
Tgt Ion:152 Resp: 183767
Ion Ratio Lower Upper
152 100
115 59.8 27.1 81.3
150 156.5 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 37.49 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion: 75 Resp: 64631
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

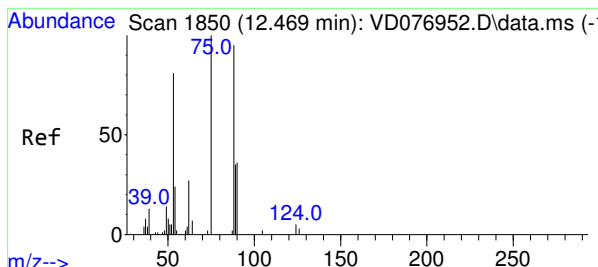
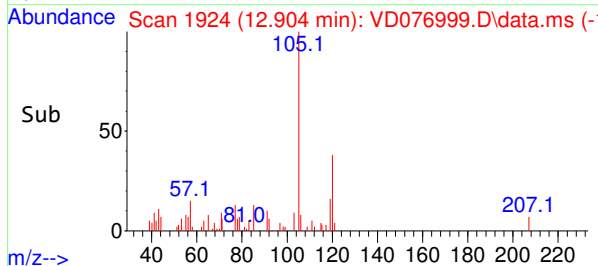
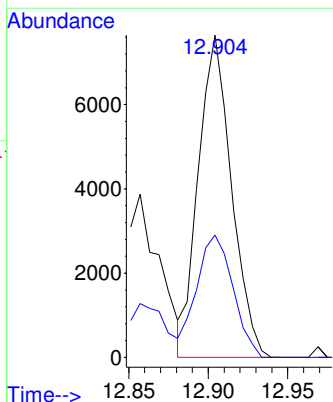
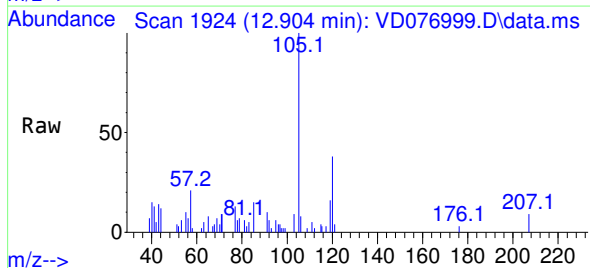




#80
1,3,5-Trimethylbenzene
Concen: 1.18 ug/l
RT: 12.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

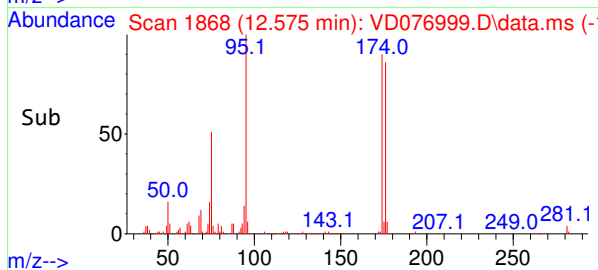
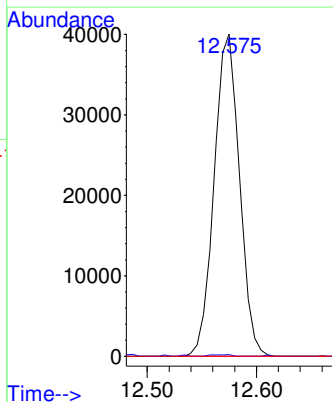
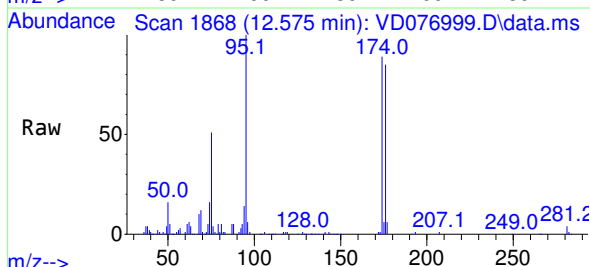
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

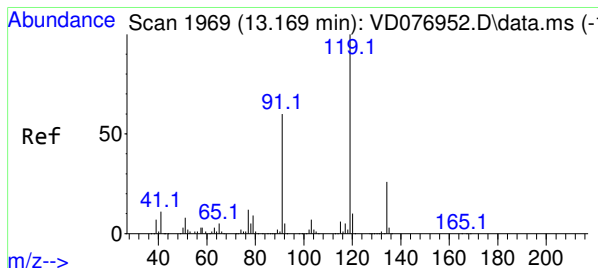
Tgt Ion:105 Resp: 11077
Ion Ratio Lower Upper
105 100
120 41.7 26.4 79.2



#81
trans-1,4-Dichloro-2-butene
Concen: 88.08 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion: 75 Resp: 64631
Ion Ratio Lower Upper
75 100
53 0.4 63.0 94.4#
89 0.0 37.9 56.9#

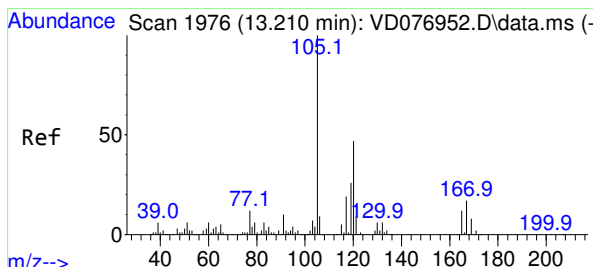
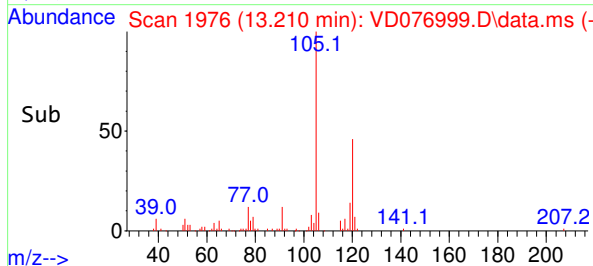
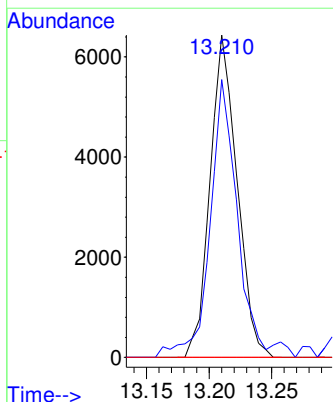
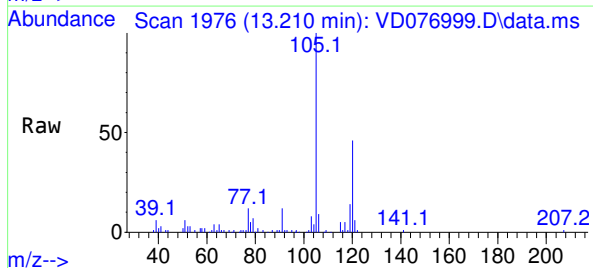




#83
tert-Butylbenzene
Concen: 1.13 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.041 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

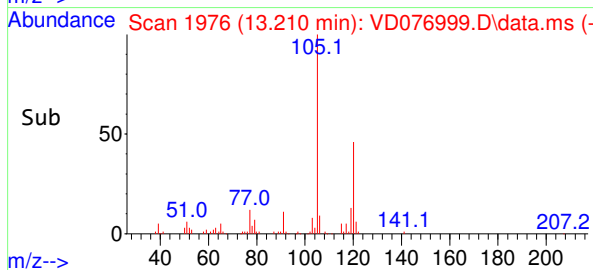
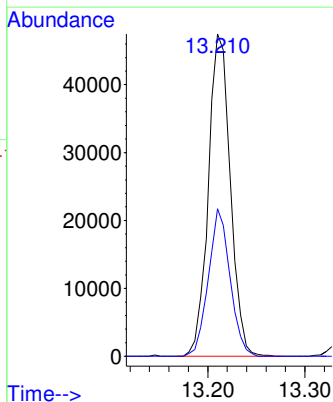
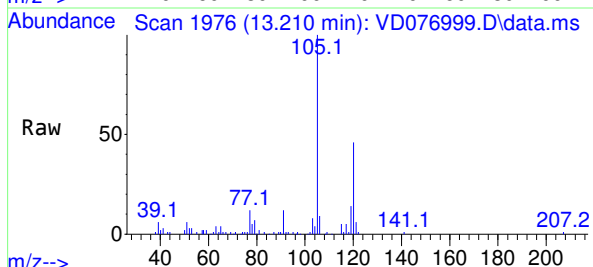
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

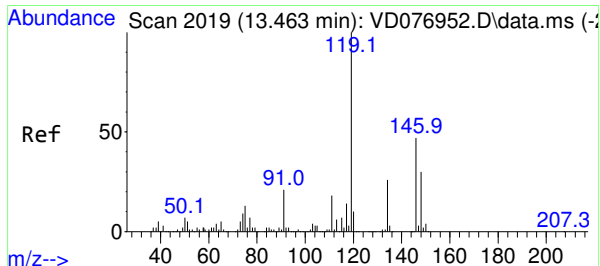
Tgt Ion:	119	Resp:	9684
Ion	Ratio	Lower	Upper
119	100		
91	88.2	29.3	87.8#
134	0.0	14.1	42.3#



#84
1,2,4-Trimethylbenzene
Concen: 7.79 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion:	105	Resp:	74536
Ion	Ratio	Lower	Upper
105	100		
120	45.1	24.3	72.9

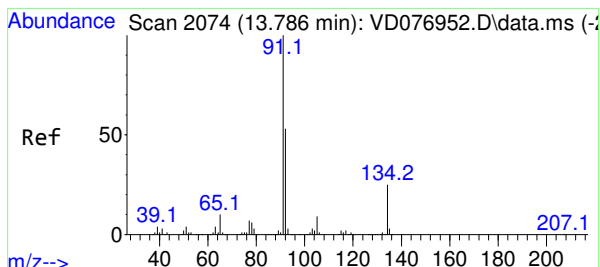
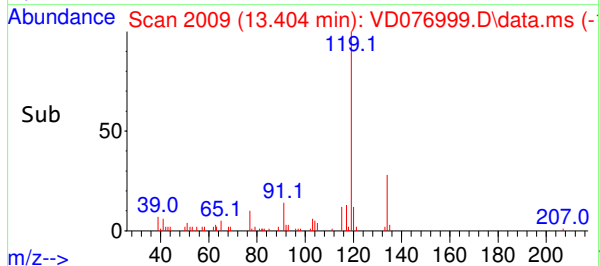
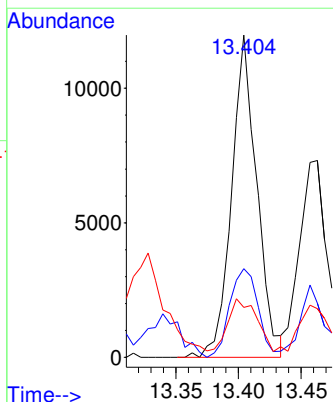
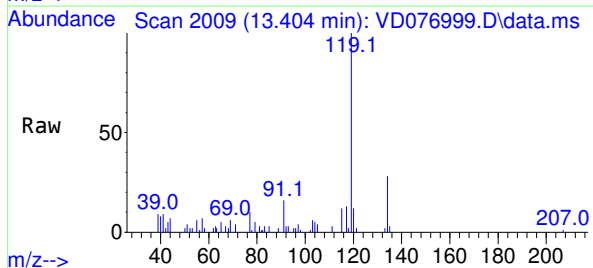




#86
p-Isopropyltoluene
Concen: 1.56 ug/l
RT: 13.404 min Scan# 2009
Delta R.T. -0.059 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

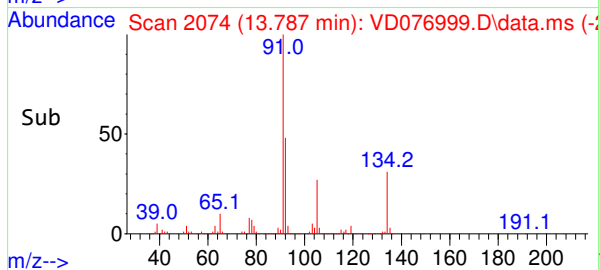
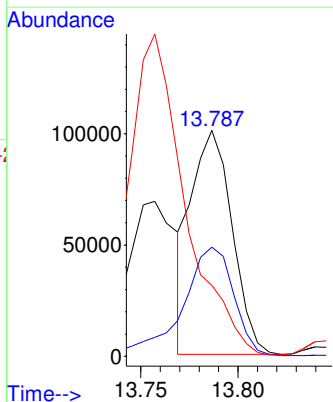
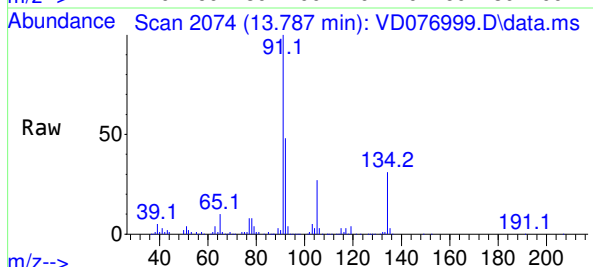
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

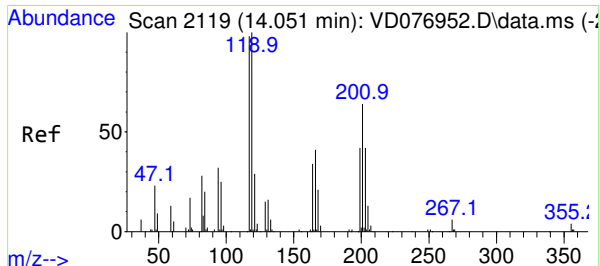
Tgt Ion:	119	Resp:	16793
Ion	Ratio	Lower	Upper
119	100		
134	30.6	14.2	42.6
91	22.5	10.5	31.5



#89
n-Butylbenzene
Concen: 14.35 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.001 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion:	91	Resp:	146843
Ion	Ratio	Lower	Upper
91	100		
92	60.4	26.5	79.5
134	0.0	13.8	41.3#

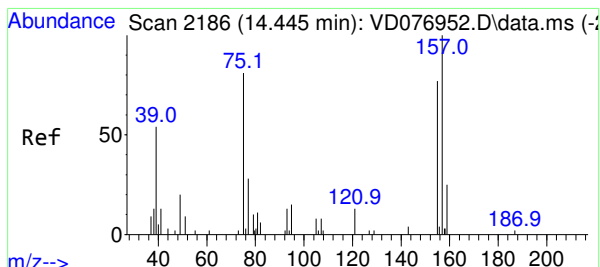
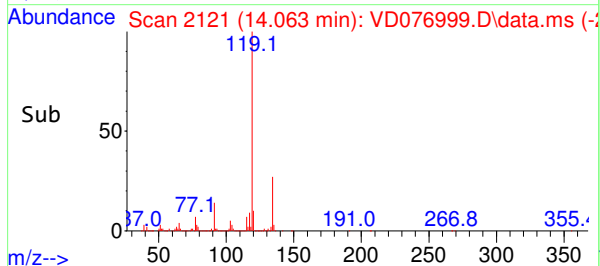
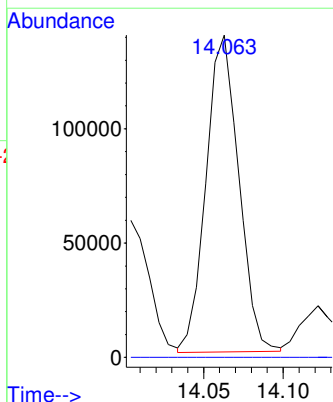
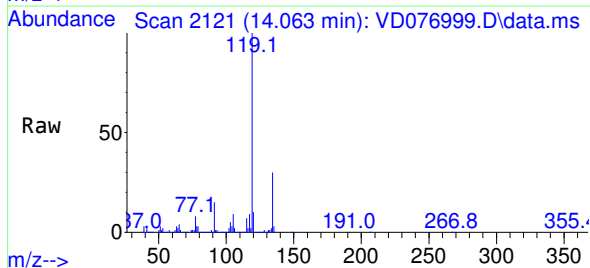




#90
Hexachloroethane
Concen: 91.48 ug/l
RT: 14.063 min Scan# 2121
Delta R.T. 0.012 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

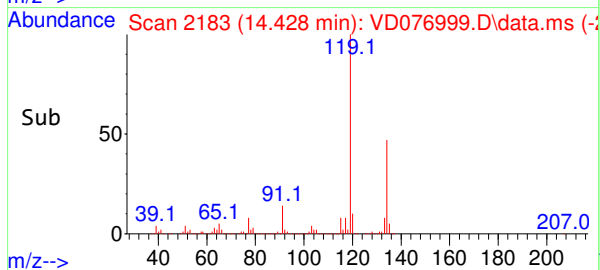
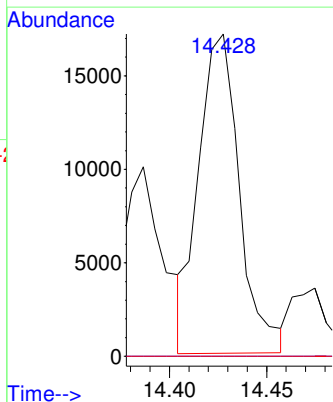
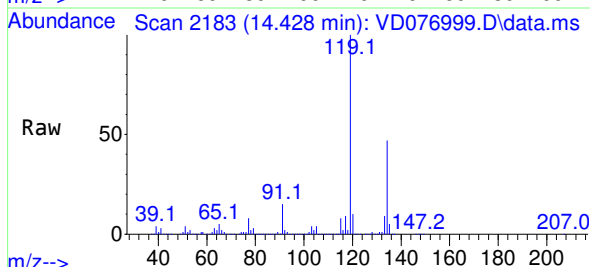
Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

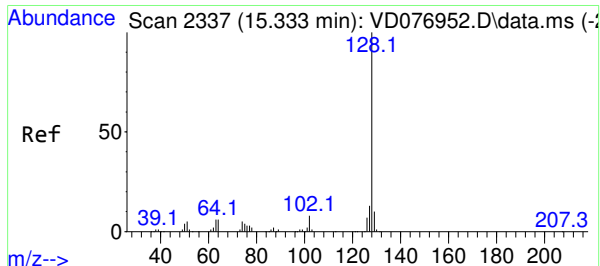
Tgt Ion:117 Resp: 198527
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 71.67 ug/l
RT: 14.428 min Scan# 2183
Delta R.T. -0.017 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Tgt Ion: 75 Resp: 24830
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#





#95
Naphthalene
Concen: 7.57 ug/l
RT: 15.334 min Scan# 2
Delta R.T. 0.001 min
Lab File: VD076999.D
Acq: 14 Aug 2023 14:17

Instrument :
MSVOA_D
ClientSampleId :
B-PP03A

Tgt Ion:128 Resp: 49438
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 14.4 8.7 13.1#

