

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076945.D
 Acq On : 07 Aug 2023 21:49
 Operator : KP/SY
 Sample : 03903-08
 Misc : 5.28G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-08

Quant Time: Aug 08 04:42:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	58568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	117493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	121696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	59337	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42533	72.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.820%
35) Dibromofluoromethane	7.805	113	44006	59.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.200%
50) Toluene-d8	10.269	98	146848	55.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.200%
62) 4-Bromofluorobenzene	12.575	95	48810	57.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.240%

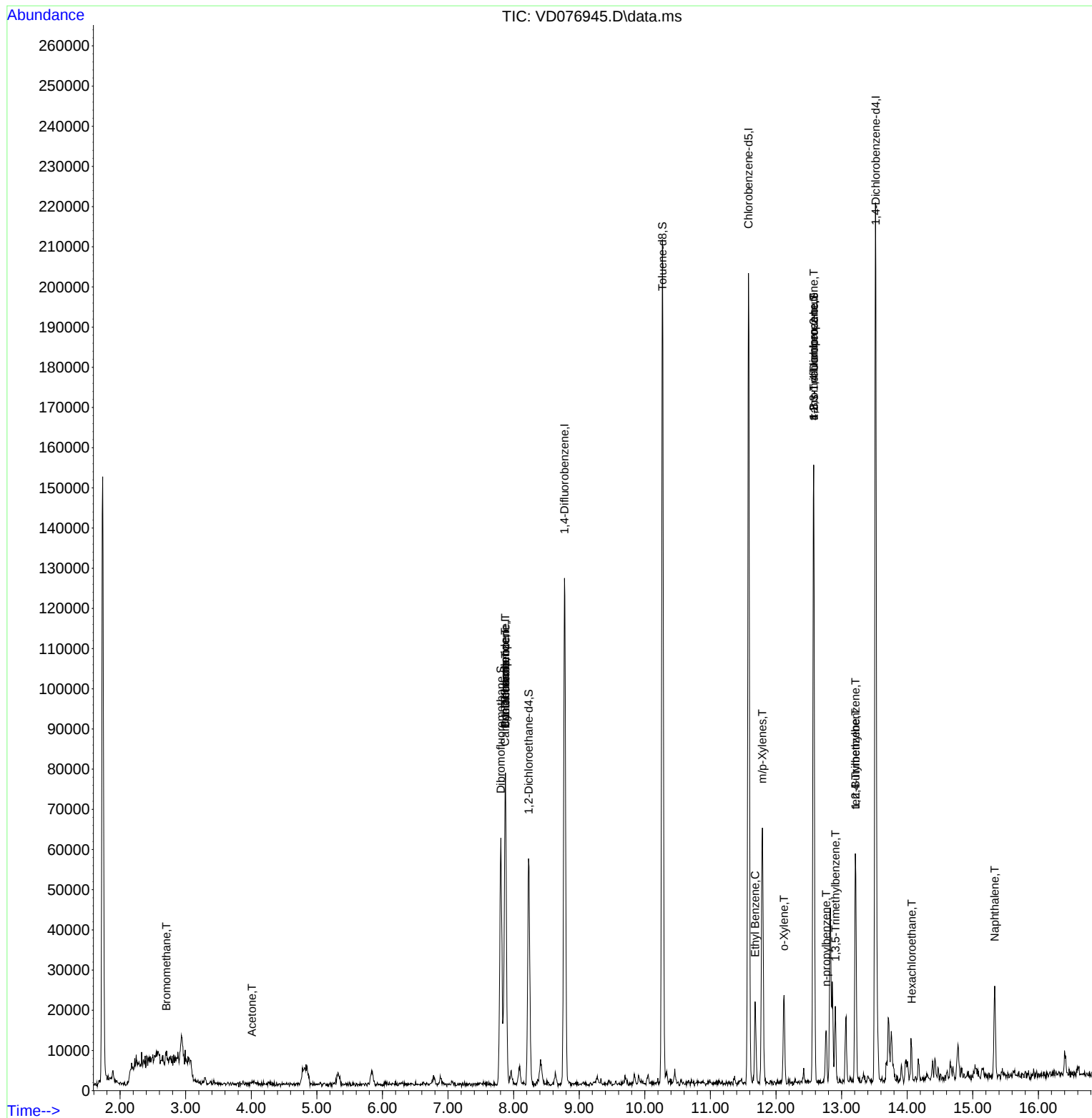
Target Compounds					Qvalue	
5) Bromomethane	2.705	94	1003	1.158	ug/l #	73
16) Acetone	4.011	43	522	3.747	ug/l #	32
20) Methylene Chloride	4.787	84	1614	Below Cal	#	65
31) Cyclohexane	7.875	56	1996	2.325	ug/l #	71
36) 1,1-Dichloropropene	7.875	75	4504	4.668	ug/l #	40
38) Carbon Tetrachloride	7.869	117	6452	6.984	ug/l #	11
67) Ethyl Benzene	11.681	91	14110	3.283	ug/l	96
68) m/p-Xylenes	11.793	106	21551	13.055	ug/l	92
69) o-Xylene	12.122	106	6357	3.982	ug/l	90
76) 1,2,3-Trichloropropane	12.575	75	25124	44.523	ug/l #	100
78) n-propylbenzene	12.763	91	11802	2.261	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	9070	2.606	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.575	75	25124	94.757	ug/l #	17
83) tert-Butylbenzene	13.210	119	4432	1.446	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.210	105	33076	9.298	ug/l	95
90) Hexachloroethane	14.069	117	772	1.080	ug/l #	11
95) Naphthalene	15.334	128	18749	7.875	ug/l #	88

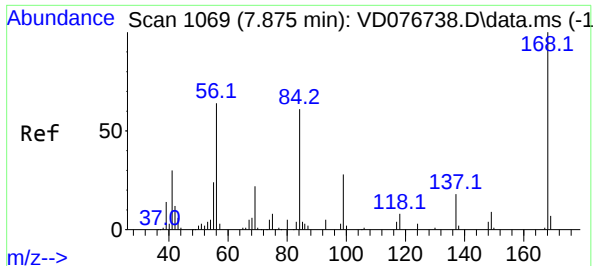
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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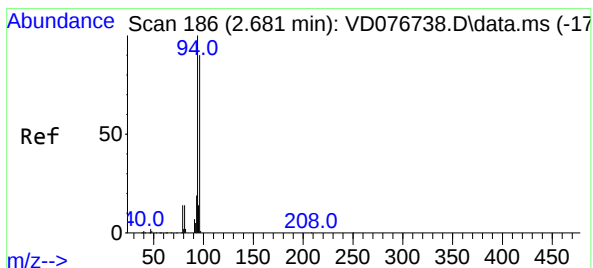
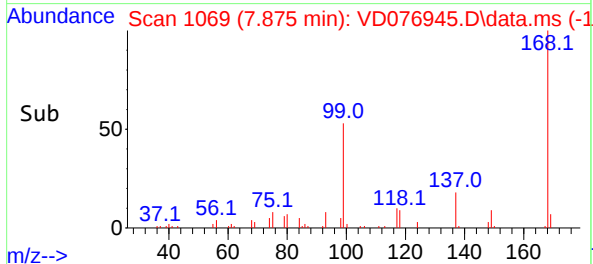
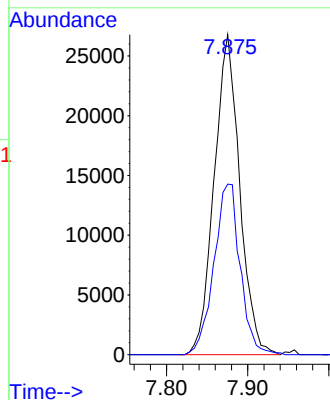
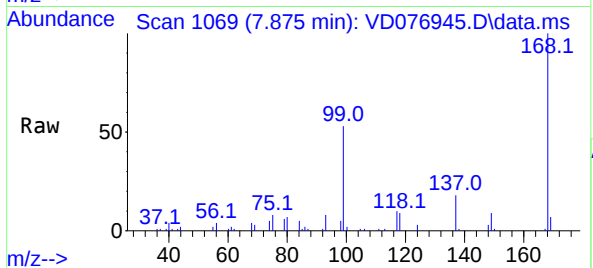




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

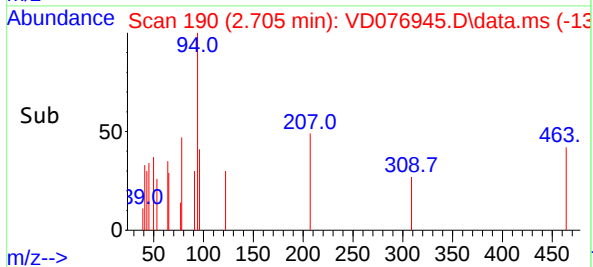
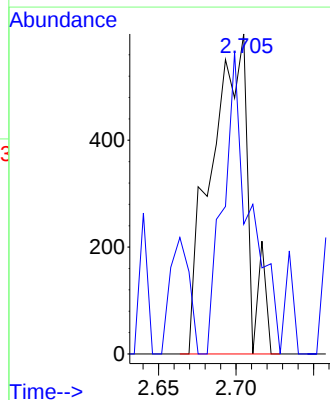
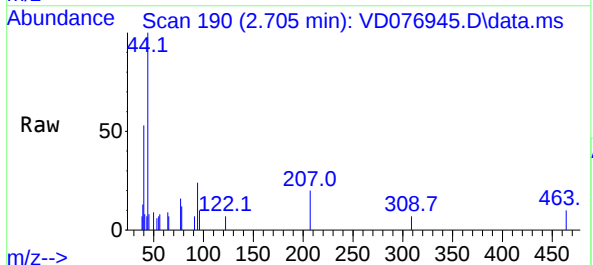
Instrument :
MSVOA_D
ClientSampleId :
MW-08

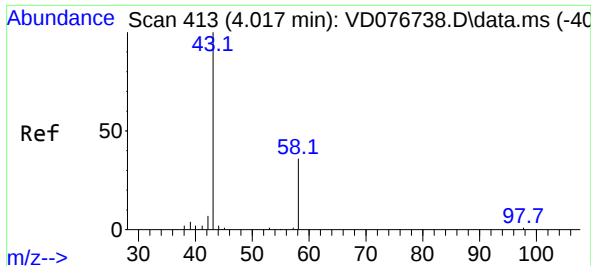
Tgt Ion:168 Resp: 58568
Ion Ratio Lower Upper
168 100
99 53.3 36.7 55.1



#5
Bromomethane
Concen: 1.158 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.024 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 94 Resp: 1003
Ion Ratio Lower Upper
94 100
96 68.5 75.8 113.8#

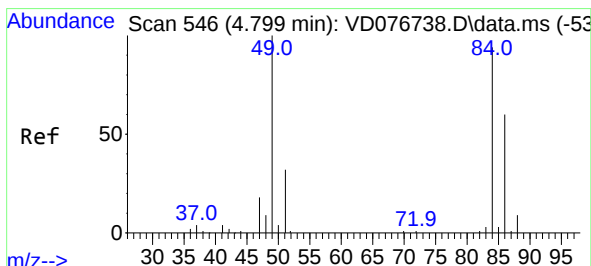
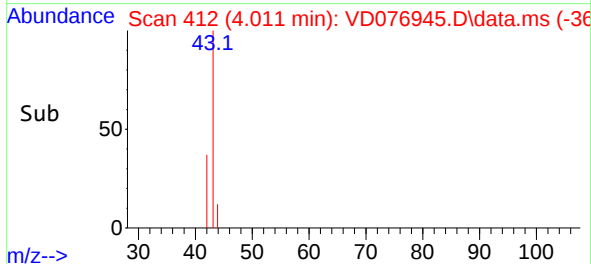
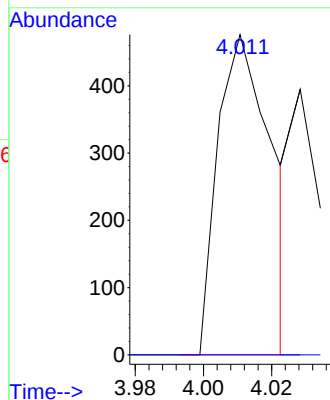
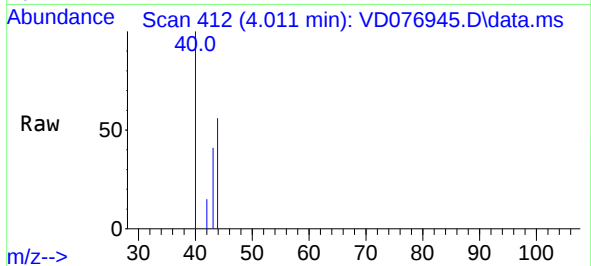




#16
Acetone
Concen: 3.747 ug/l
RT: 4.011 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

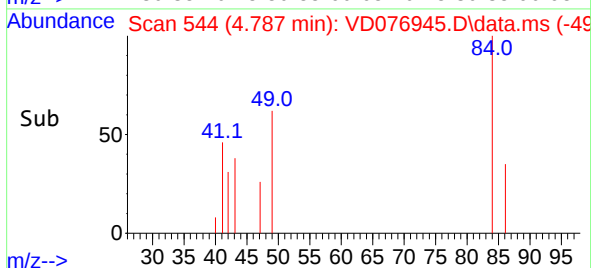
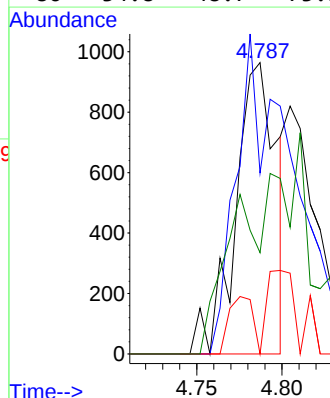
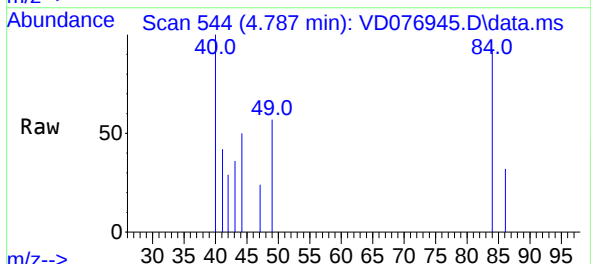
Instrument :
MSVOA_D
ClientSampleId :
MW-08

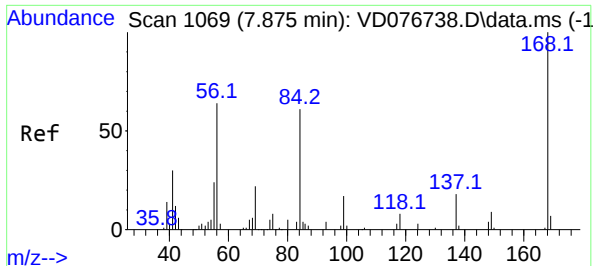
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 84 Resp: 1614
Ion Ratio Lower Upper
84 100
49 62.1 71.4 107.2#
51 0.0 24.5 36.7#
86 34.8 48.7 73.1#

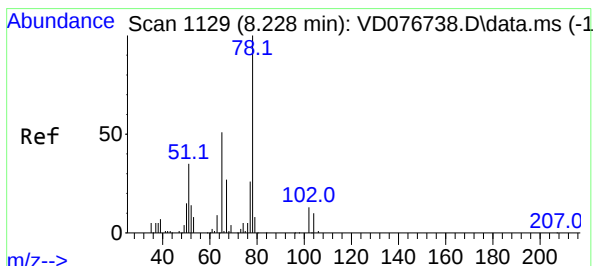
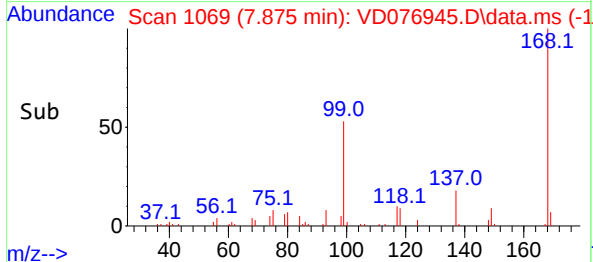
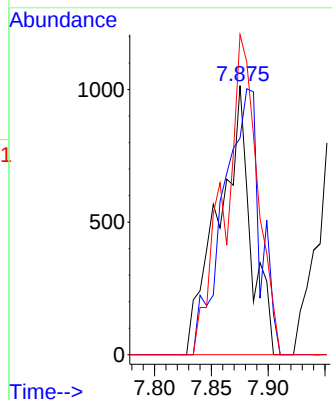
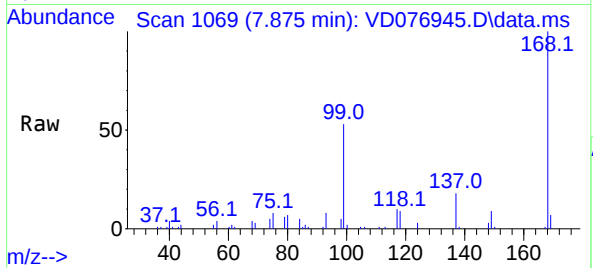




#31
Cyclohexane
Concen: 2.325 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

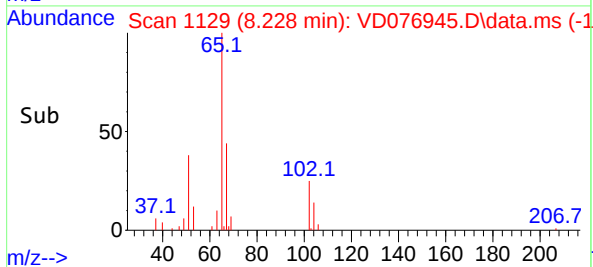
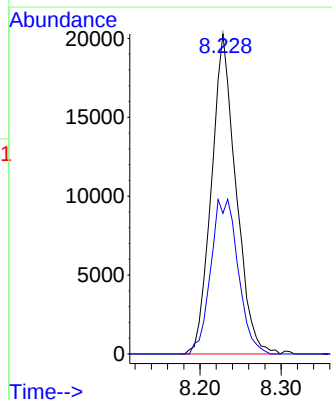
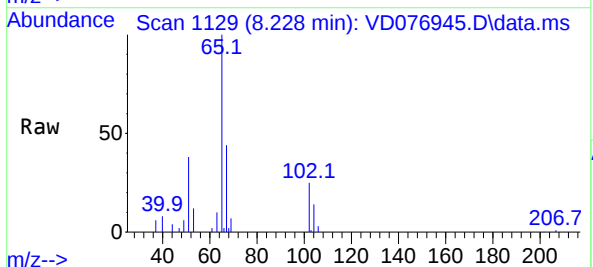
Instrument :
MSVOA_D
ClientSampleId :
MW-08

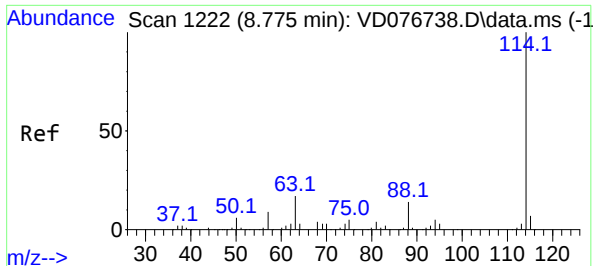
Tgt Ion: 56 Resp: 1996
Ion Ratio Lower Upper
56 100
69 80.5 28.6 43.0#
84 118.9 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 72.911 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 65 Resp: 42533
Ion Ratio Lower Upper
65 100
67 54.1 0.0 115.0

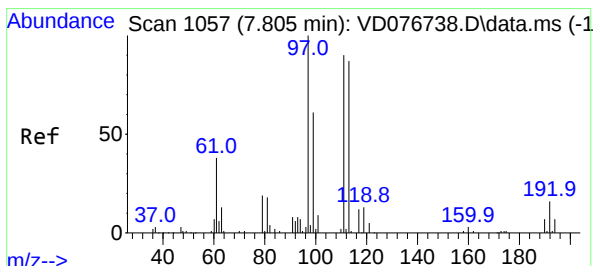
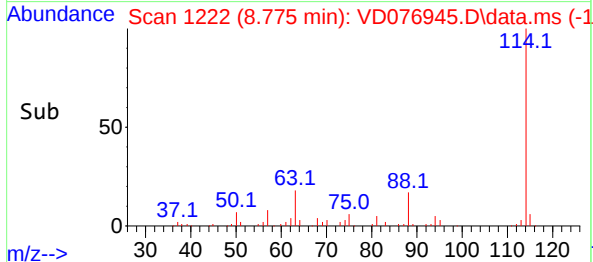
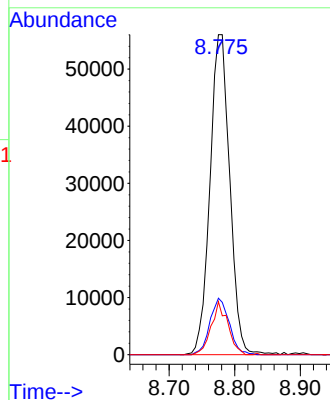
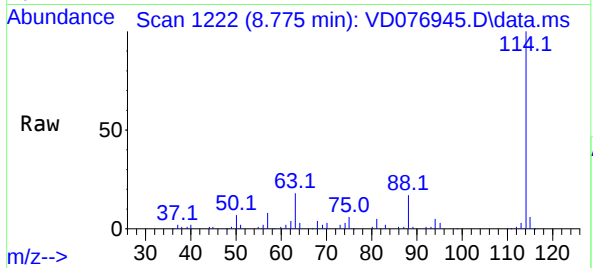




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 117493
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

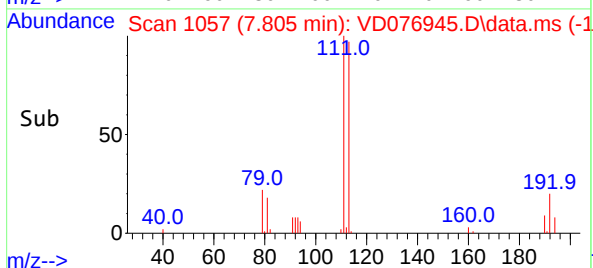
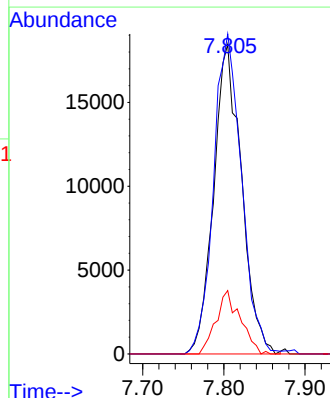
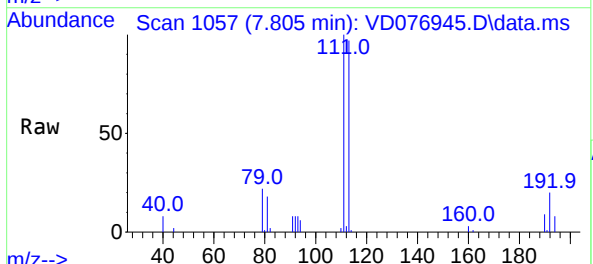
Instrument :
MSVOA_D
ClientSampleId :
MW-08

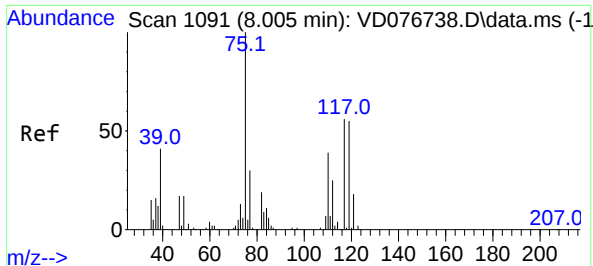
Tgt Ion:114 Resp: 117493
Ion Ratio Lower Upper
114 100
63 17.6 0.0 33.4
88 16.5 0.0 26.2



#35
Dibromofluoromethane
Concen: 59.602 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion:113 Resp: 44006
Ion Ratio Lower Upper
113 100
111 103.7 84.7 127.1
192 17.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.668 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

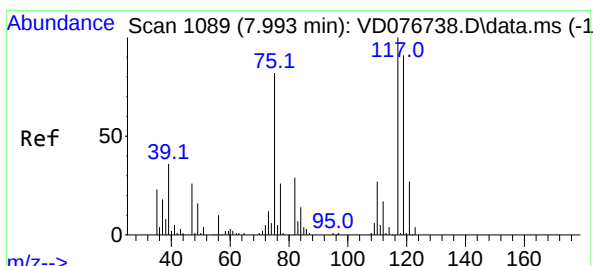
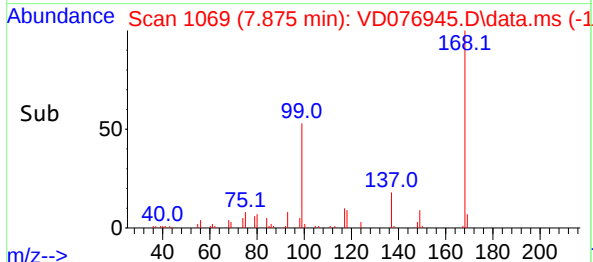
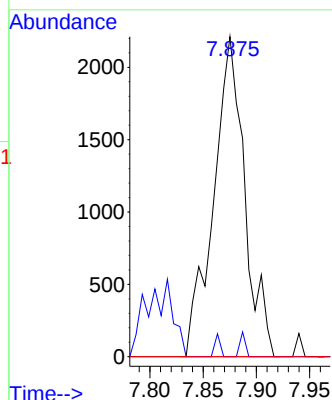
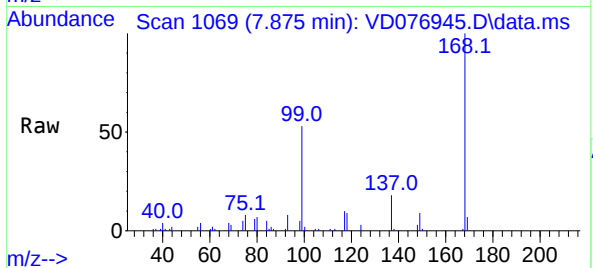
Instrument :

MSVOA_D

ClientSampleId :

MW-08

Tgt Ion:	75	Resp:	4504
Ion	Ratio	Lower	Upper
75	100		
110	1.2	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 6.984 ug/l

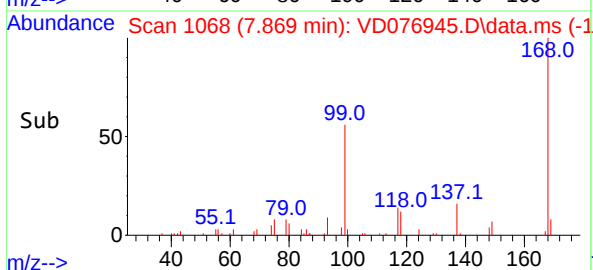
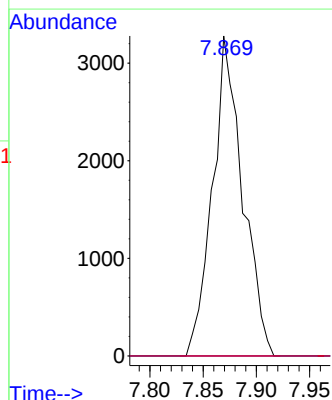
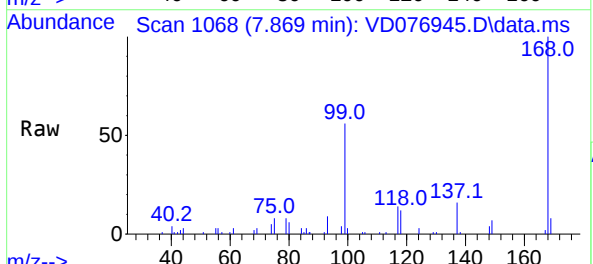
RT: 7.869 min Scan# 1068

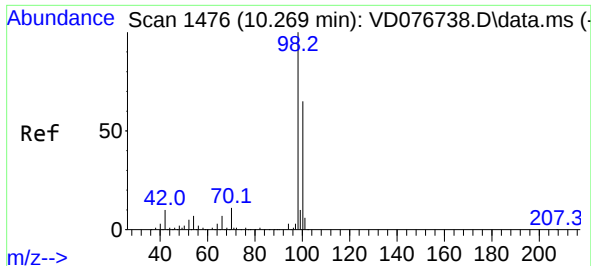
Delta R.T. -0.124 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

Tgt Ion:	117	Resp:	6452
Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.0	117.0#
121	0.0	24.2	36.2#

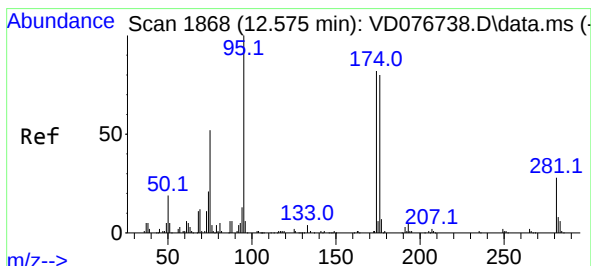
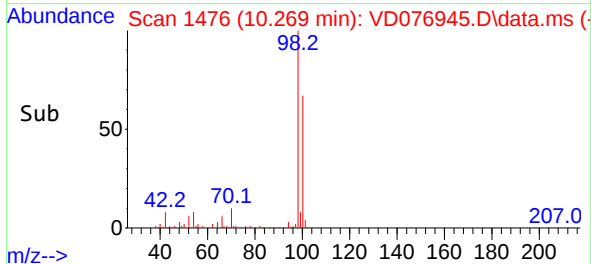
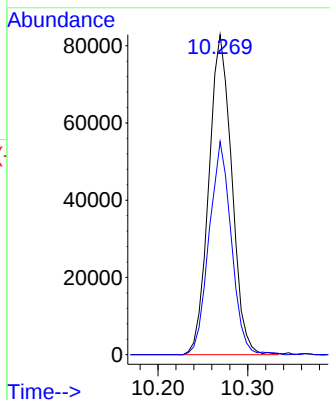
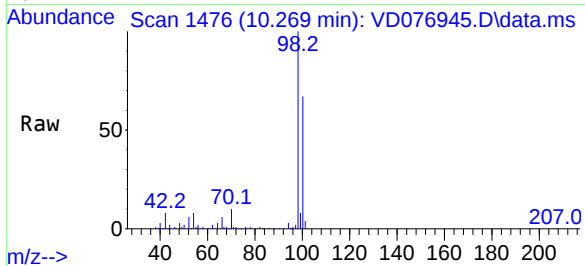




#50
Toluene-d8
Concen: 55.597 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

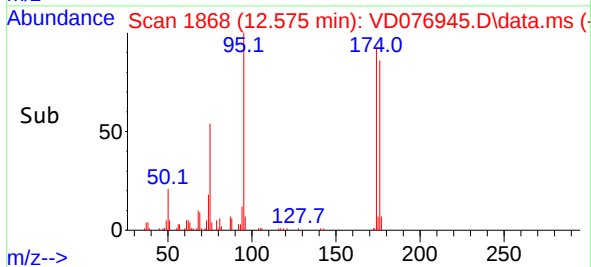
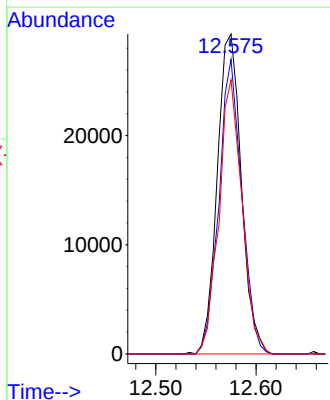
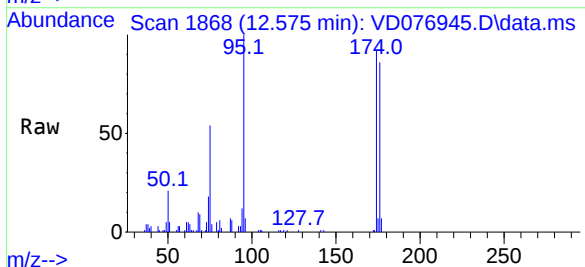
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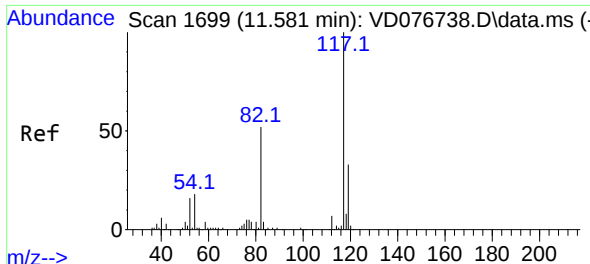
Tgt Ion: 98 Resp: 146848
Ion Ratio Lower Upper
98 100
100 64.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 57.124 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 95 Resp: 48810
Ion Ratio Lower Upper
95 100
174 87.5 0.0 201.8
176 82.4 0.0 191.8

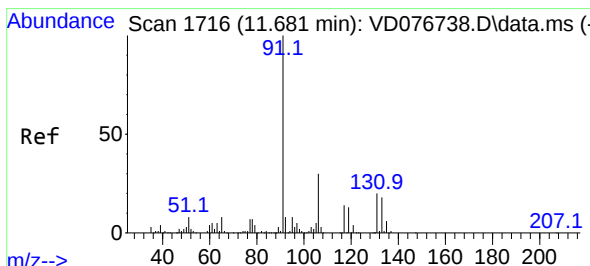
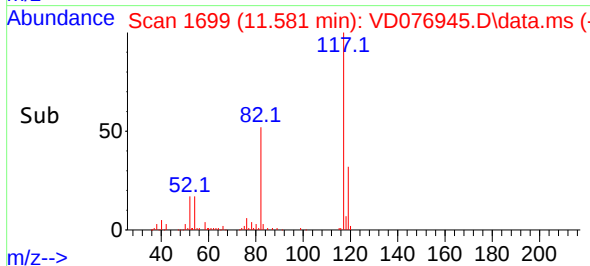
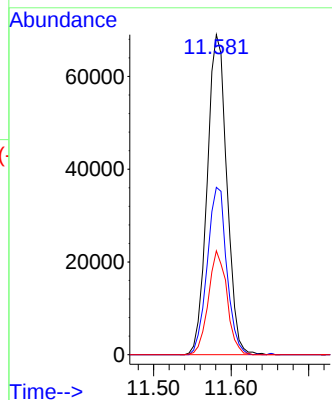
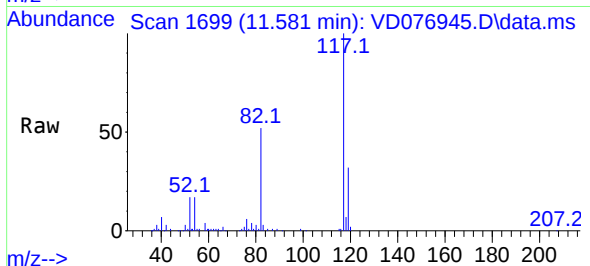




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

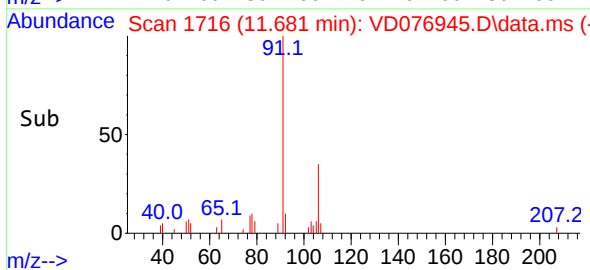
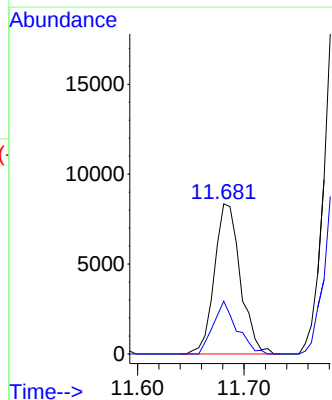
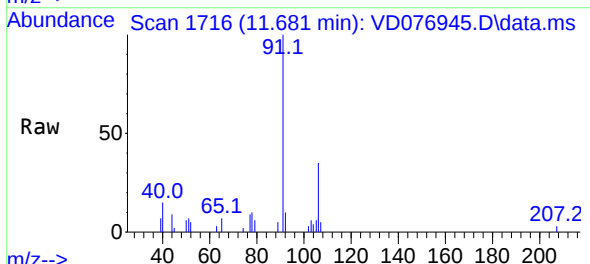
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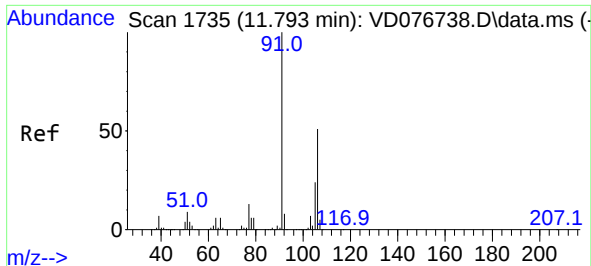
Tgt Ion:	117	Resp:	121696
Ion	Ratio	Lower	Upper
117	100		
82	52.3	38.3	57.5
119	32.5	25.0	37.4



#67
Ethyl Benzene
Concen: 3.283 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion:	91	Resp:	14110
Ion	Ratio	Lower	Upper
91	100		
106	35.1	26.5	39.7

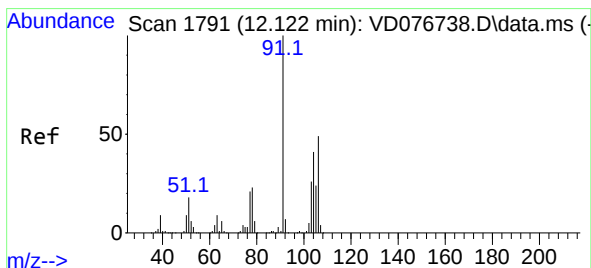
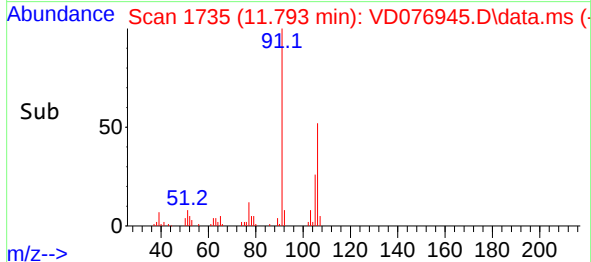
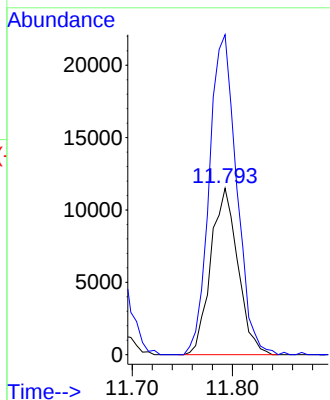
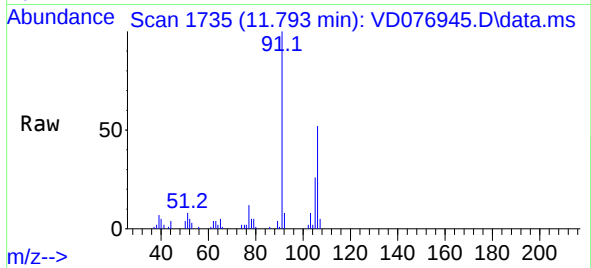




#68
m/p-Xylenes
Concen: 13.055 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

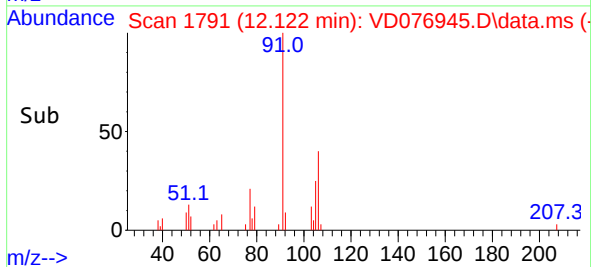
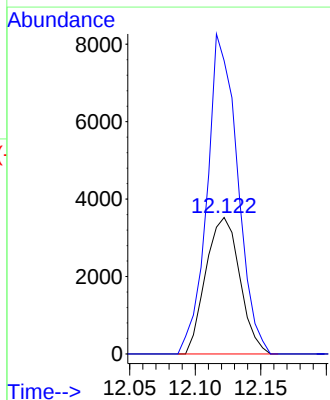
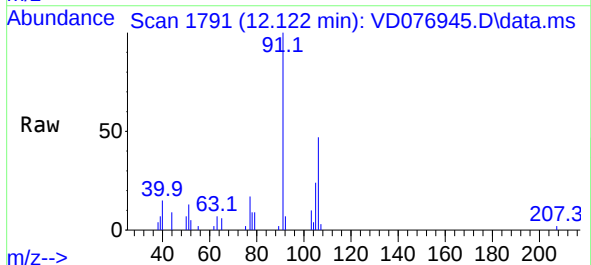
Instrument :
MSVOA_D
ClientSampleId :
MW-08

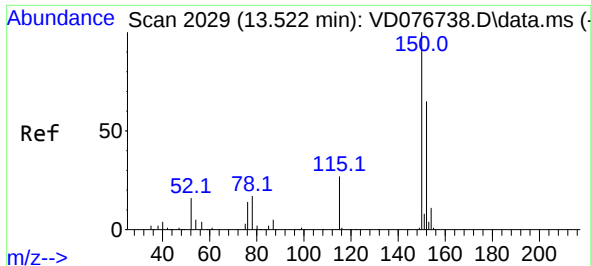
Tgt Ion:106 Resp: 21551
Ion Ratio Lower Upper
106 100
91 194.8 147.0 220.6



#69
o-Xylene
Concen: 3.982 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion:106 Resp: 6357
Ion Ratio Lower Upper
106 100
91 210.1 97.9 293.6

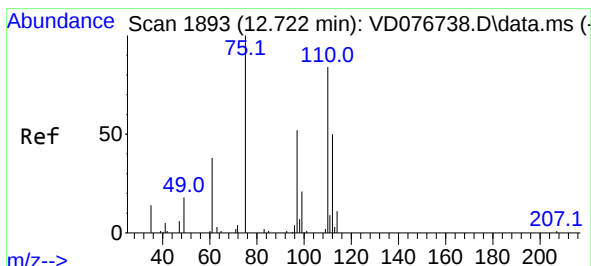
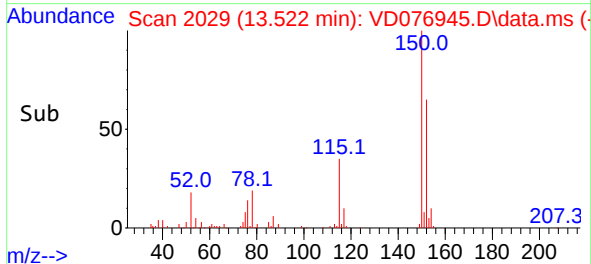
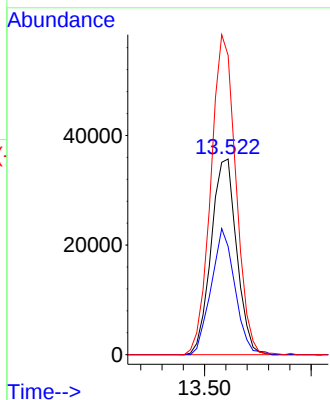
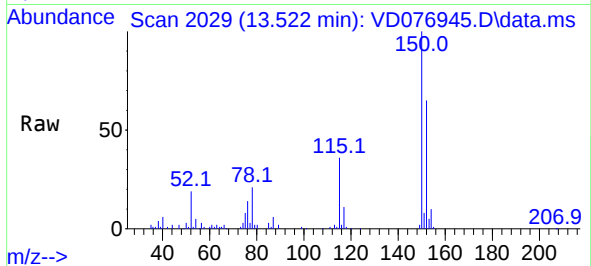




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

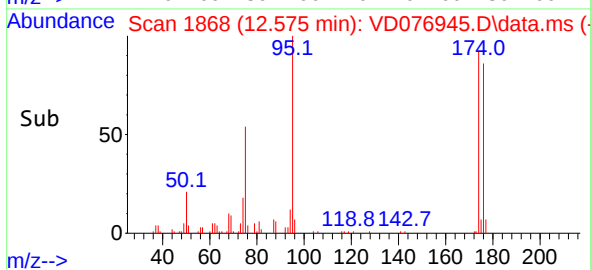
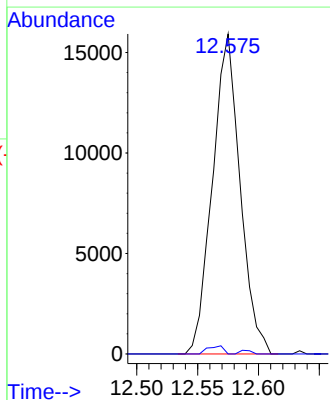
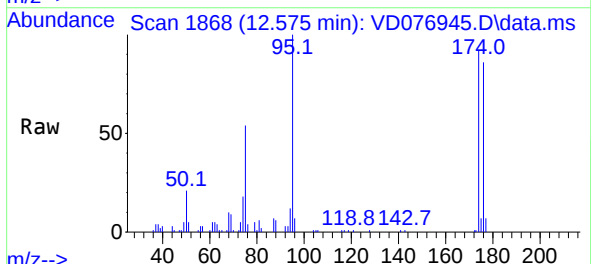
Instrument :
MSVOA_D
ClientSampleId :
MW-08

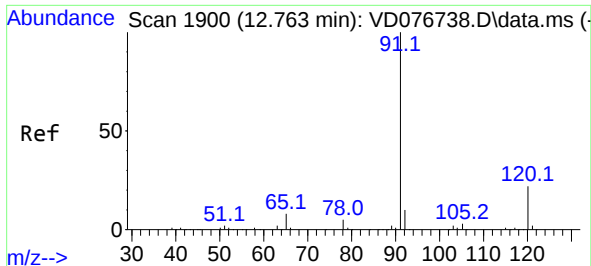
Tgt Ion:152 Resp: 59337
Ion Ratio Lower Upper
152 100
115 59.9 27.1 81.3
150 160.0 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 44.523 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 75 Resp: 25124
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

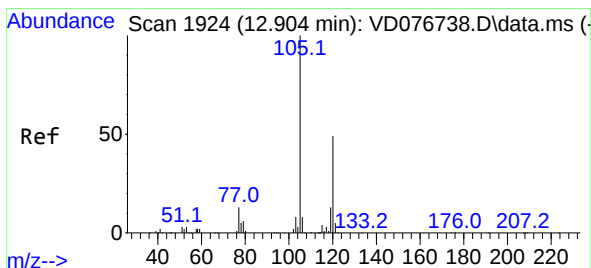
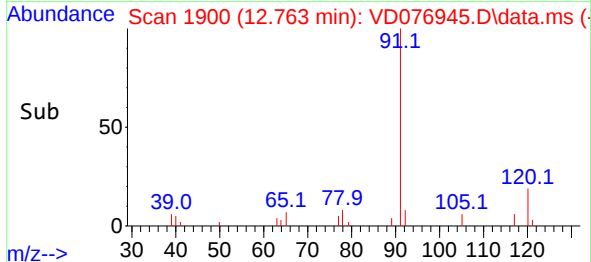
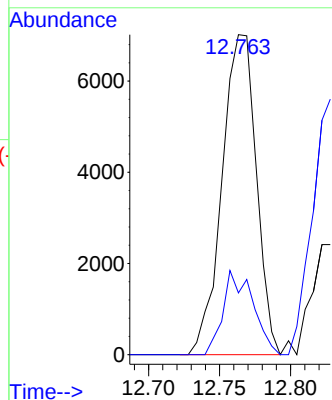
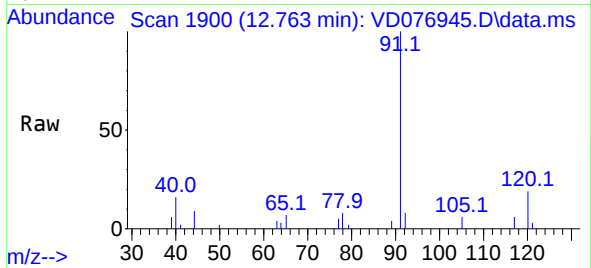




#78
n-propylbenzene
Concen: 2.261 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

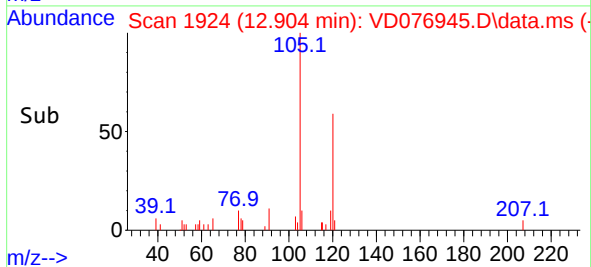
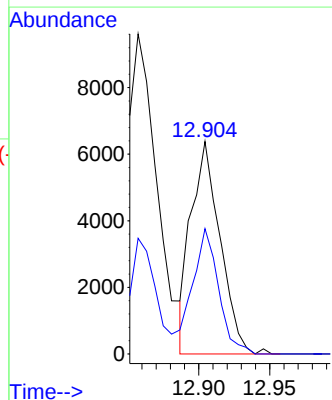
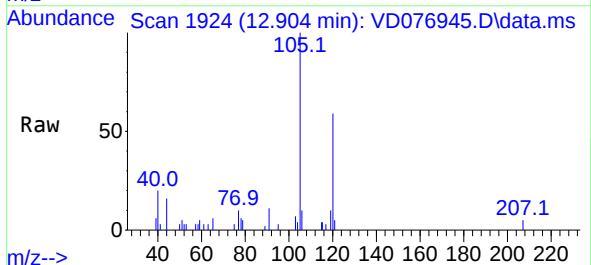
Instrument :
MSVOA_D
ClientSampleId :
MW-08

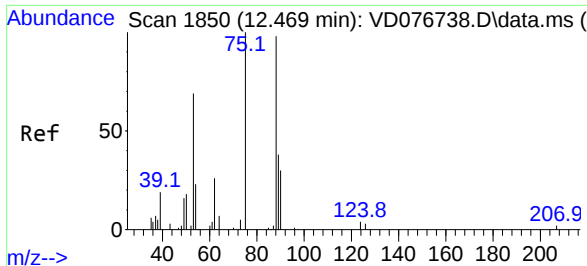
Tgt Ion: 91 Resp: 11802
Ion Ratio Lower Upper
91 100
120 22.8 12.4 37.2



#80
1,3,5-Trimethylbenzene
Concen: 2.606 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 105 Resp: 9070
Ion Ratio Lower Upper
105 100
120 54.2 26.4 79.2

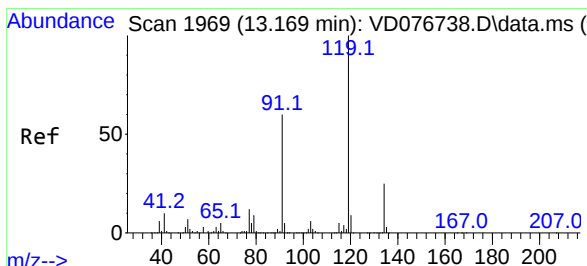
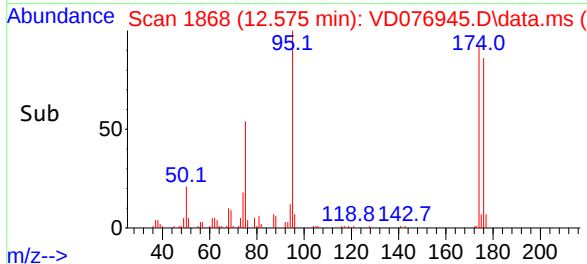
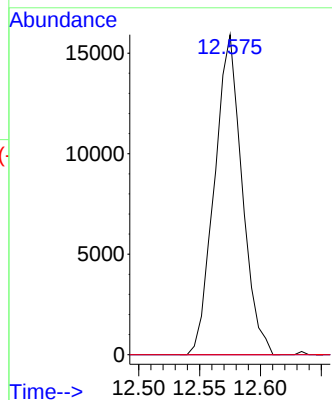
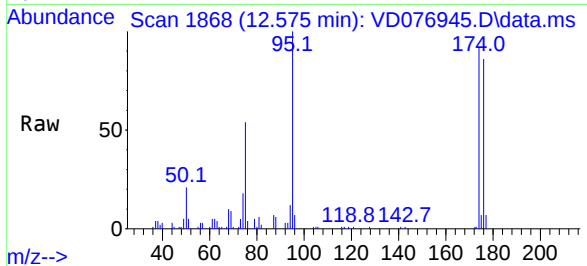




#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.757 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD076945.D
 Acq: 07 Aug 2023 21:49

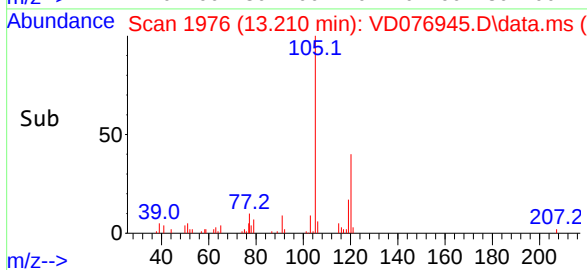
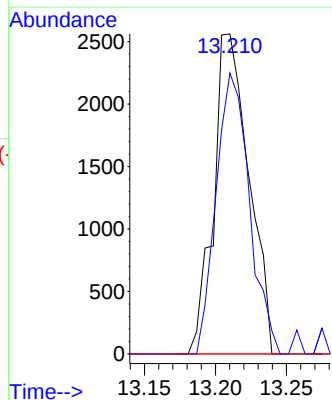
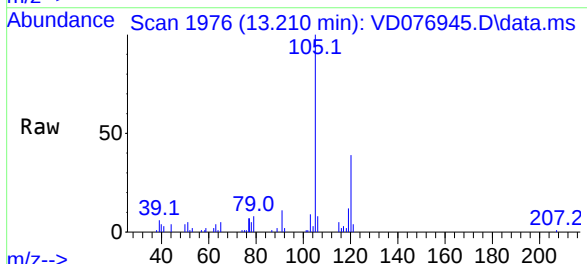
Instrument :
 MSVOA_D
 ClientSampleId :
 MW-08

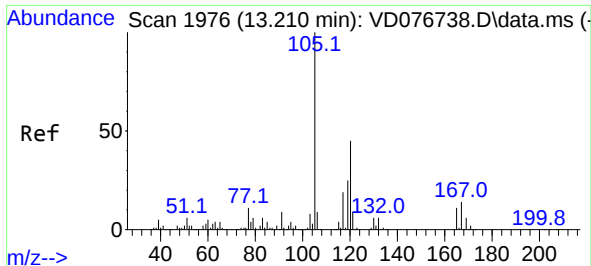
Tgt Ion:	75	Resp:	25124
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#



#83
 tert-Butylbenzene
 Concen: 1.446 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.041 min
 Lab File: VD076945.D
 Acq: 07 Aug 2023 21:49

Tgt Ion:	119	Resp:	4432
Ion	Ratio	Lower	Upper
119	100		
91	82.7	29.3	87.8
134	0.0	14.1	42.3#

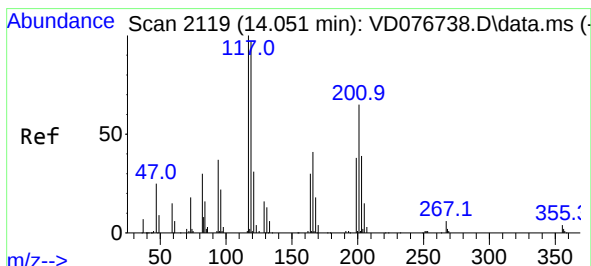
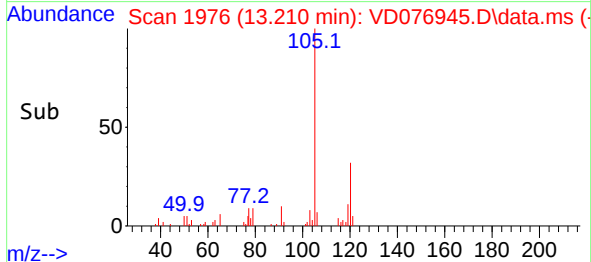
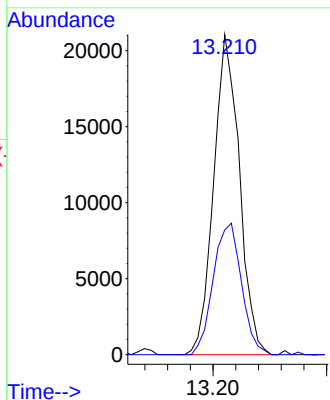
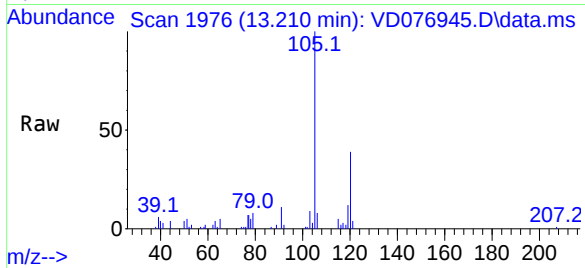




#84
1,2,4-Trimethylbenzene
Concen: 9.298 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

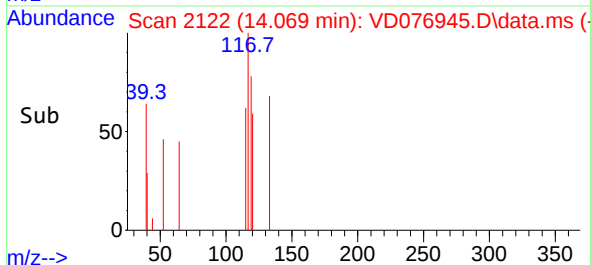
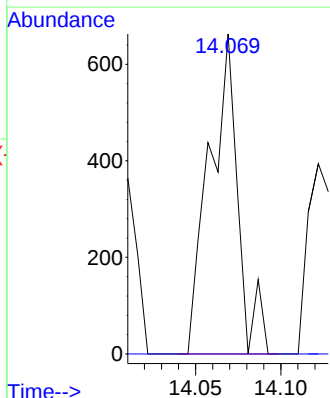
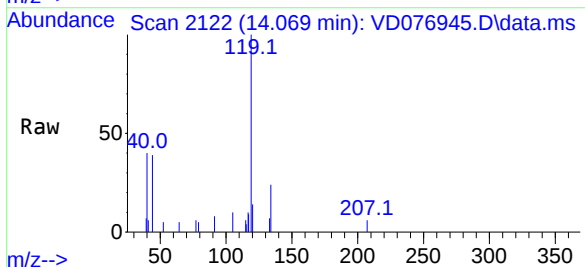
Instrument :
MSVOA_D
ClientSampleId :
MW-08

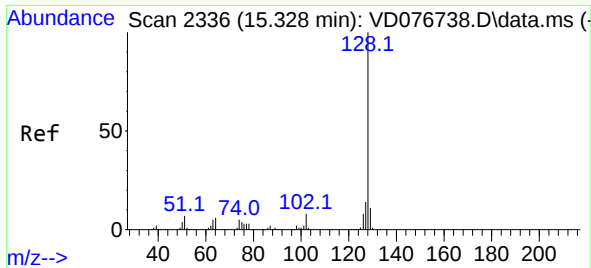
Tgt Ion:105 Resp: 33076
Ion Ratio Lower Upper
105 100
120 45.1 24.3 72.9



#90
Hexachloroethane
Concen: 1.080 ug/l
RT: 14.069 min Scan# 2122
Delta R.T. 0.018 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion:117 Resp: 772
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#





#95

Naphthalene

Concen: 7.875 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD076945.D

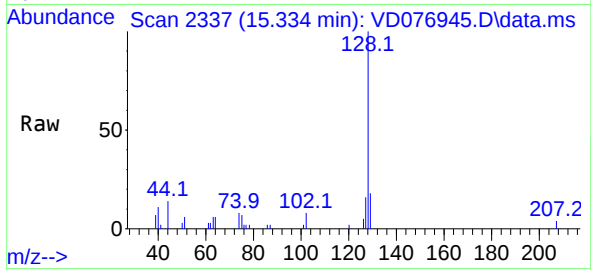
Acq: 07 Aug 2023 21:49

Instrument :

MSVOA_D

ClientSampleId :

MW-08



Tgt Ion:128 Resp: 18749

Ion Ratio Lower Upper

128 100

127 15.7 10.5 15.7

129 18.1 8.7 13.1#

