

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076268.D
 Acq On : 26 May 2023 20:10
 Operator : KP/SY
 Sample : 02953-04
 Misc : 5.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PNNL-RH-524-2

Quant Time: May 26 23:17:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

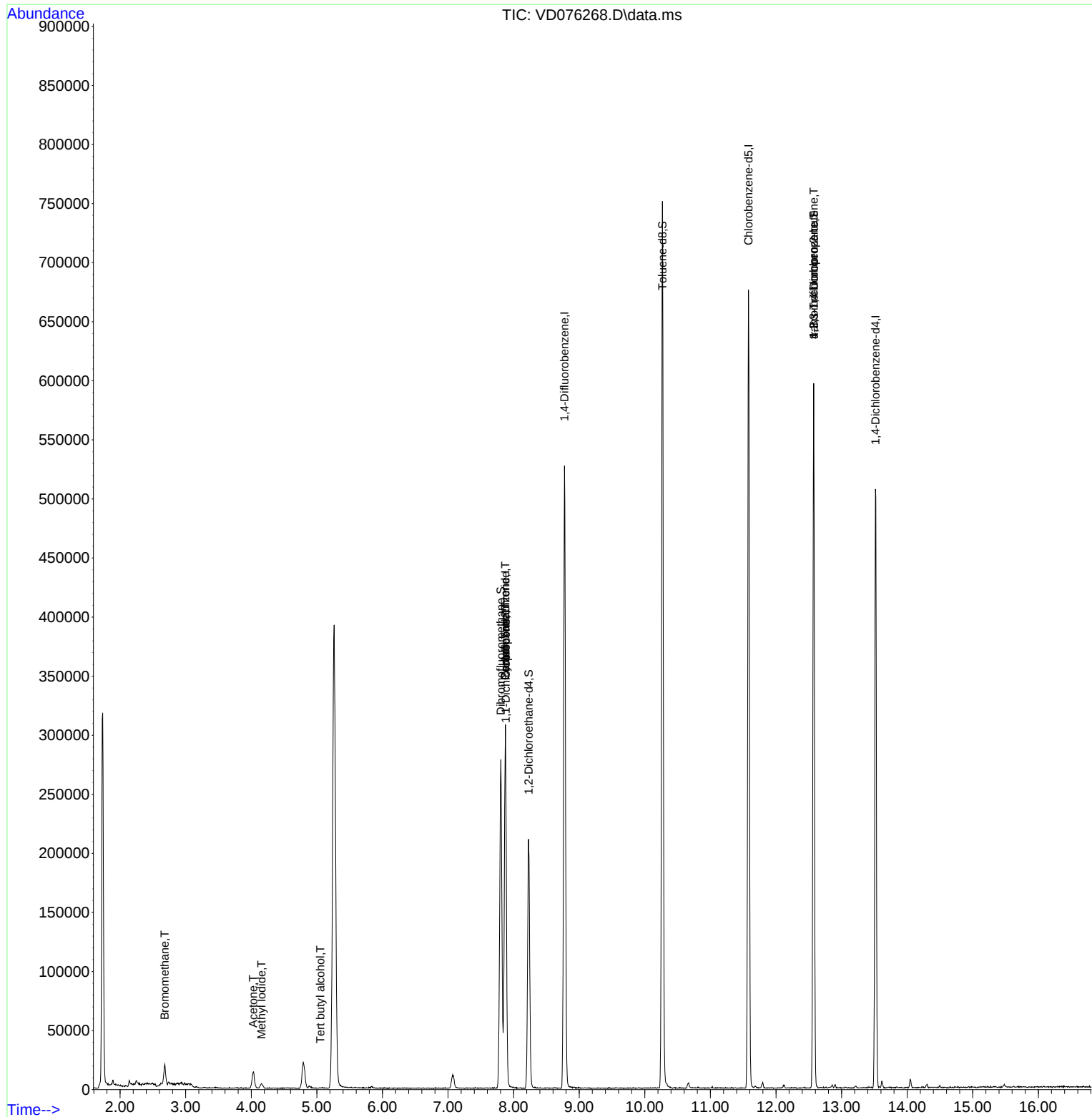
Internal Standards						
1) Pentafluorobenzene	7.875	168	247673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	497846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	429278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	160196	66.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.840%	
35) Dibromofluoromethane	7.805	113	199711	58.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.080%	
50) Toluene-d8	10.269	98	538894	40.172	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 80.340%	
62) 4-Bromofluorobenzene	12.575	95	175476	47.090	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.180%	
Target Compounds						
3) Chloromethane	2.140	50	3257	Below Cal	Qvalue 99	
5) Bromomethane	2.681	94	11664	3.596	ug/l	100
10) Methyl Iodide	4.158	142	6670	2.385	ug/l #	80
11) Tert butyl alcohol	5.052	59	814	6.429	ug/l #	100
16) Acetone	4.028	43	3917	8.225	ug/l #	70
17) Carbon Disulfide	4.252	76	130	Below Cal	# 73	
20) Methylene Chloride	4.793	84	18888	Below Cal	# 79	
31) Cyclohexane	7.875	56	4925	1.343	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	18477	3.976	ug/l #	50
38) Carbon Tetrachloride	7.875	117	23037	5.488	ug/l #	18
76) 1,2,3-Trichloropropane	12.575	75	87907	67.936	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	87907	142.519	ug/l #	5

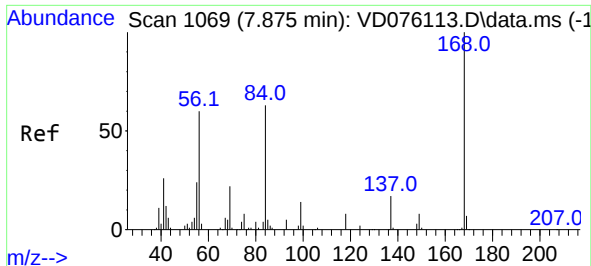
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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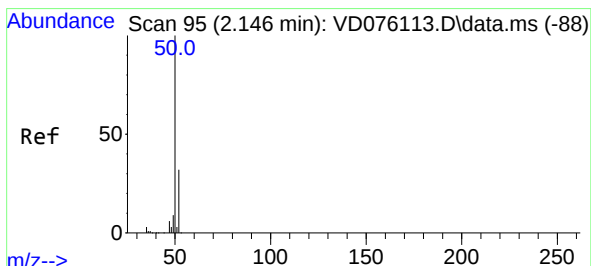
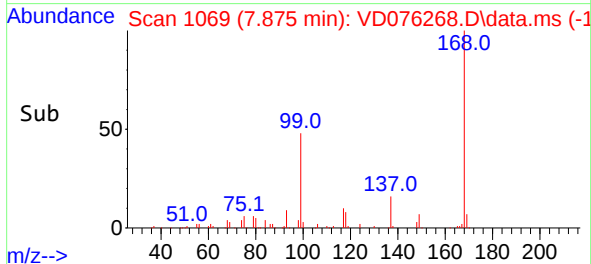
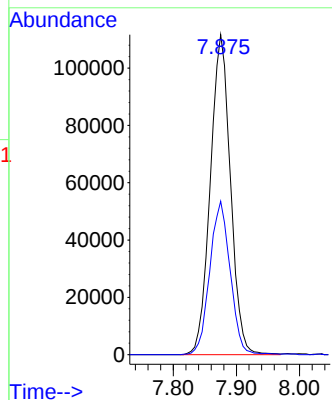
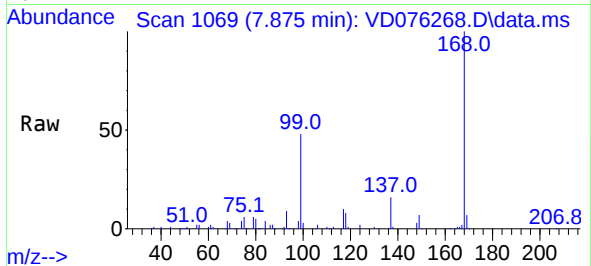




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

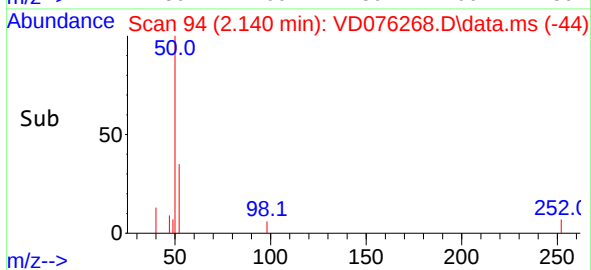
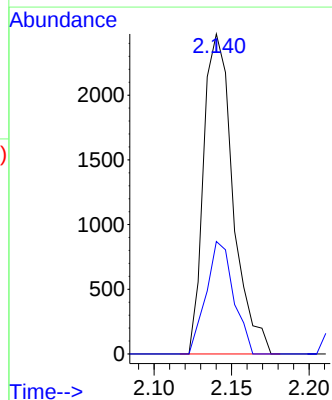
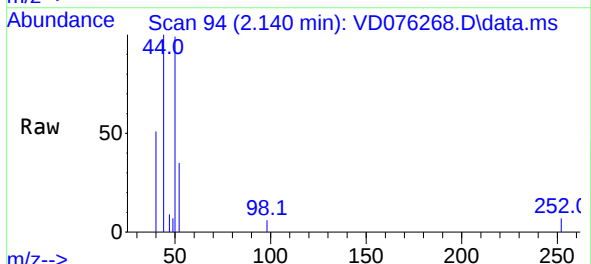
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

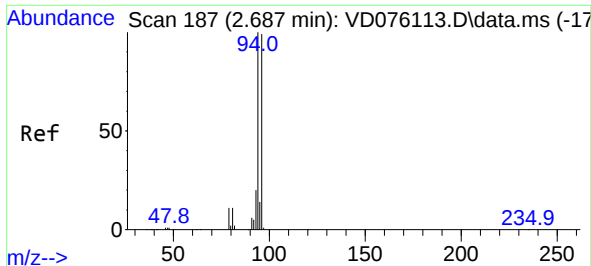
Tgt Ion:168 Resp: 247673
Ion Ratio Lower Upper
168 100
99 48.0 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 50 Resp: 3257
Ion Ratio Lower Upper
50 100
52 35.2 27.8 41.8

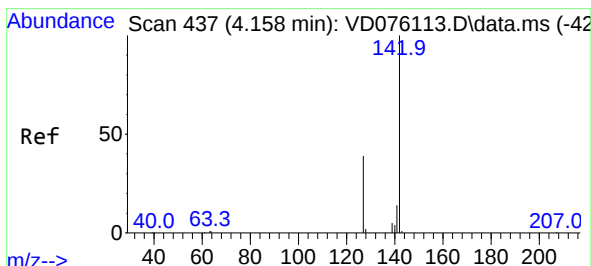
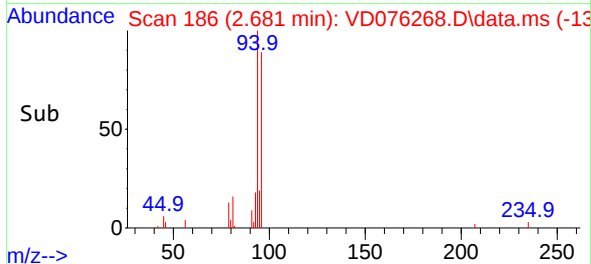
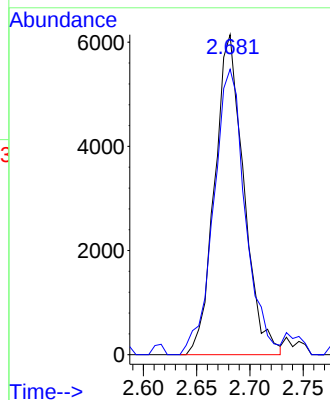
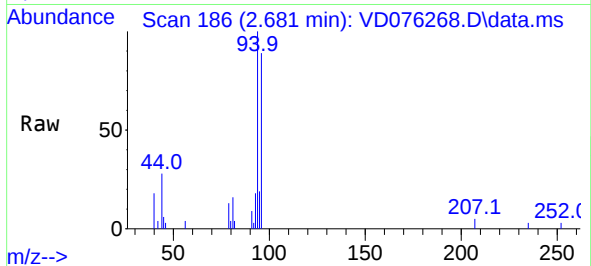




#5
Bromomethane
Concen: 3.596 ug/l
RT: 2.681 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

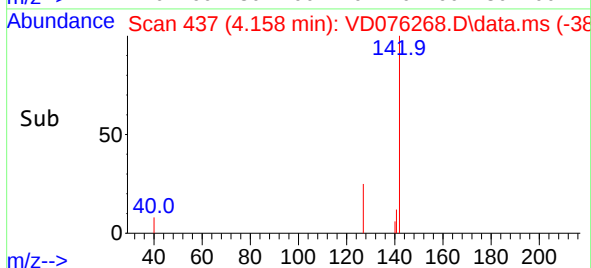
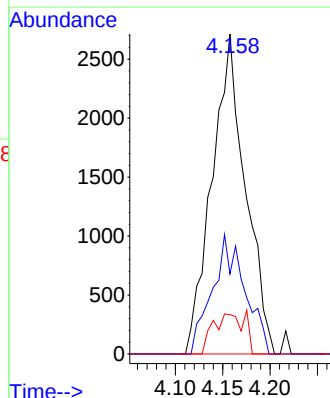
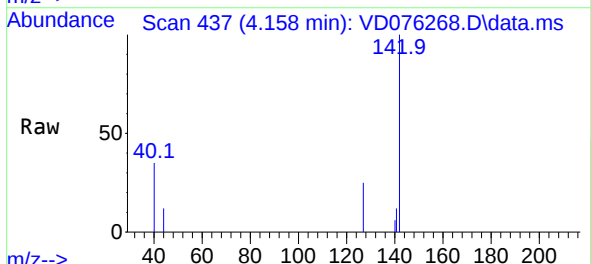
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

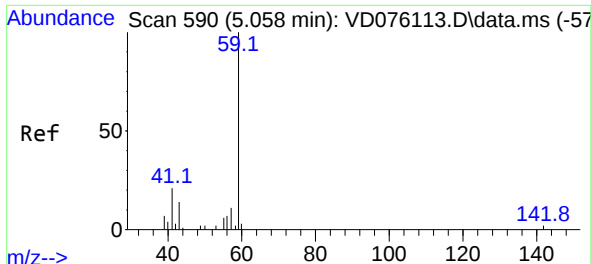
Tgt Ion: 94 Resp: 11664
Ion Ratio Lower Upper
94 100
96 96.8 77.5 116.3



#10
Methyl Iodide
Concen: 2.385 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 142 Resp: 6670
Ion Ratio Lower Upper
142 100
127 36.4 37.1 55.7#
141 0.0 11.3 16.9#

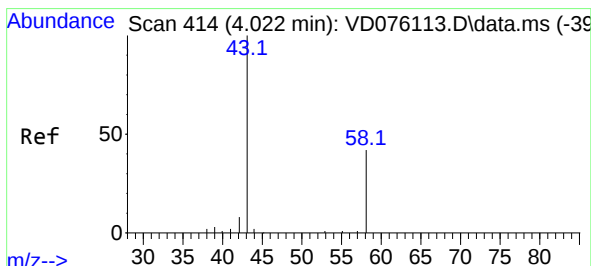
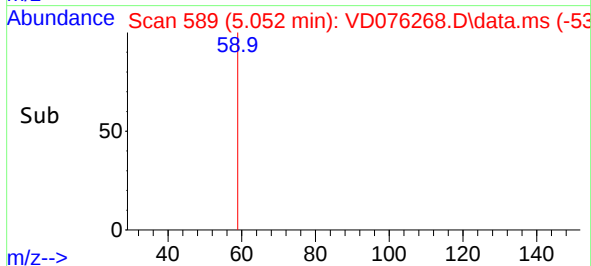
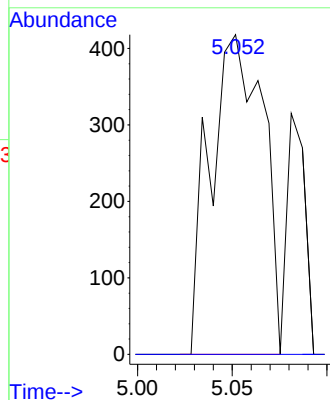
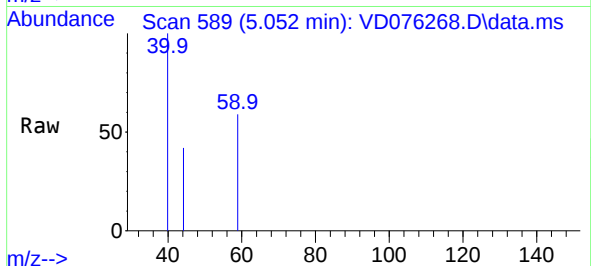




#11
Tert butyl alcohol
Concen: 6.429 ug/l
RT: 5.052 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

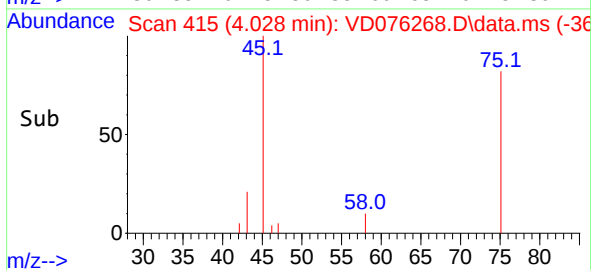
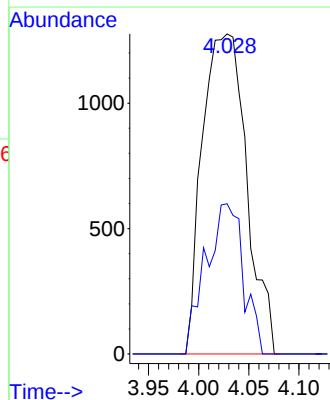
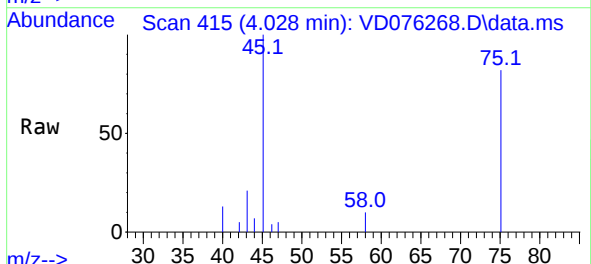
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

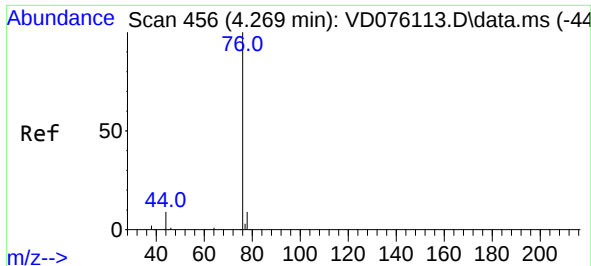
Tgt Ion: 59 Resp: 814
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 8.225 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 43 Resp: 3917
Ion Ratio Lower Upper
43 100
58 46.9 24.4 36.6#

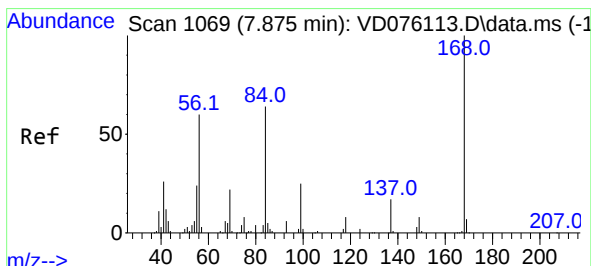
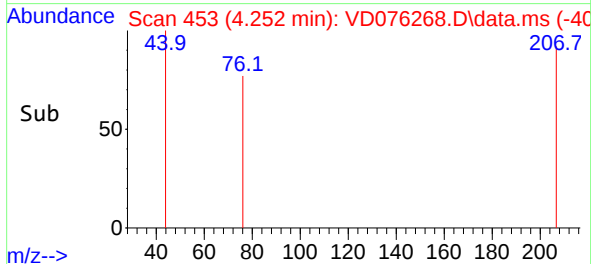
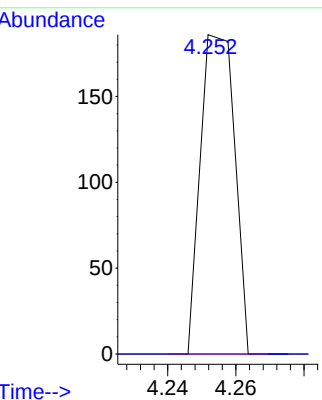
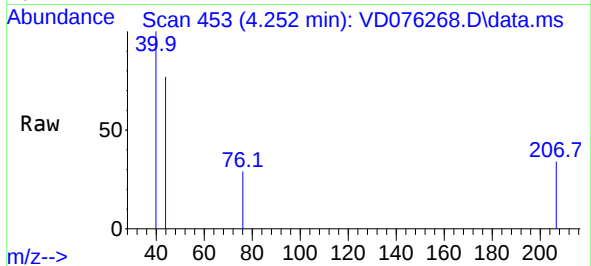




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.252 min Scan# 411
Delta R.T. -0.017 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

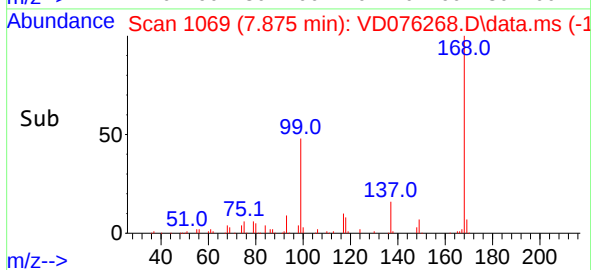
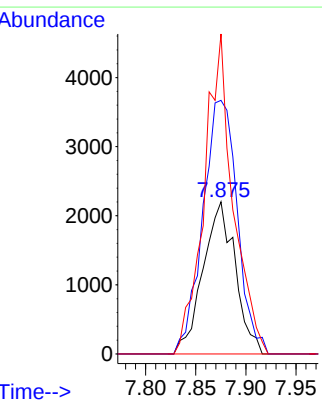
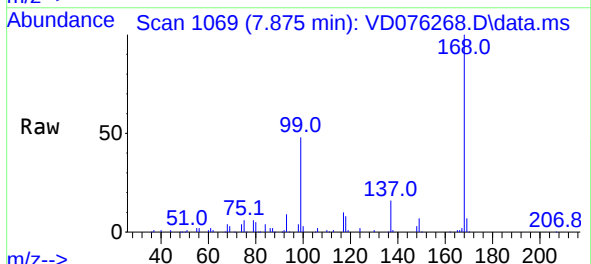
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

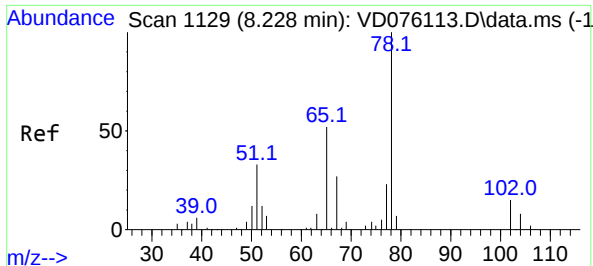
Tgt Ion: 76 Resp: 130
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 56 Resp: 4925
Ion Ratio Lower Upper
56 100
69 166.7 25.5 38.3#
84 210.3 69.6 104.4#

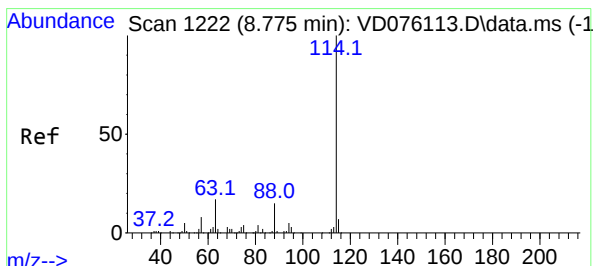
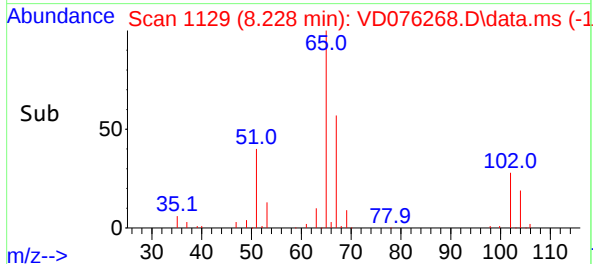
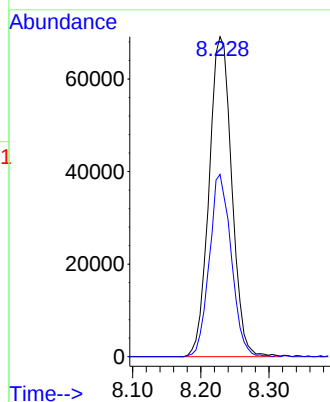
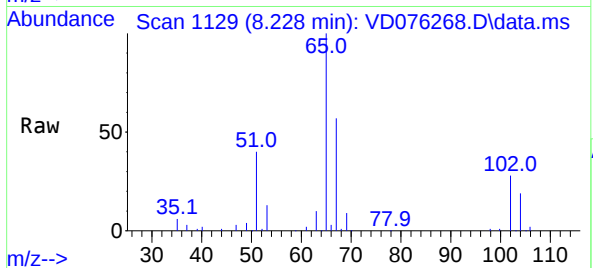




#33
1,2-Dichloroethane-d4
Concen: 66.924 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

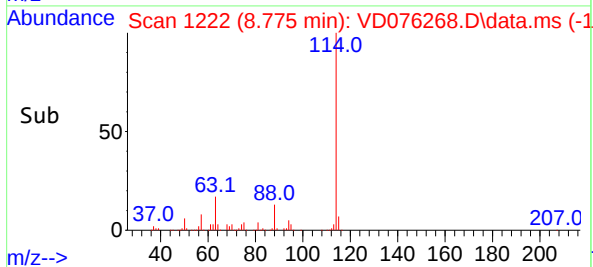
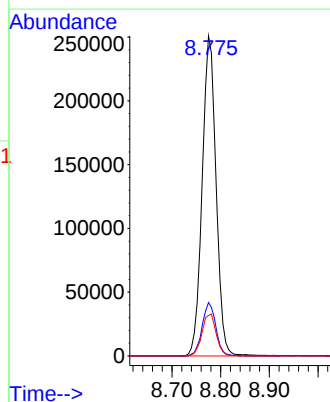
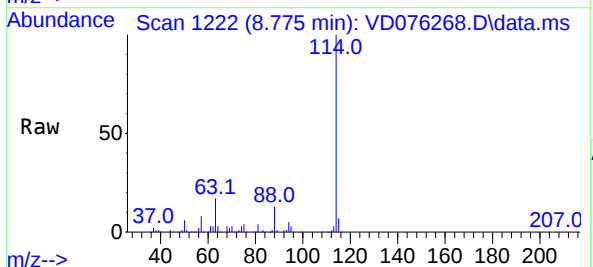
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

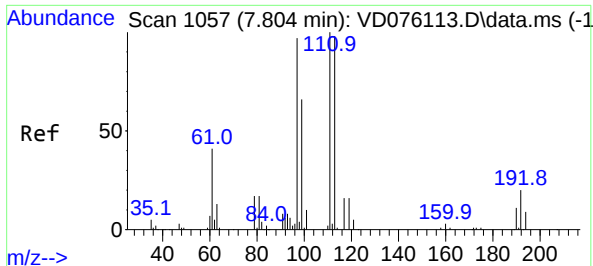
Tgt Ion: 65 Resp: 160196
Ion Ratio Lower Upper
65 100
67 55.0 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 114 Resp: 497846
Ion Ratio Lower Upper
114 100
63 16.7 0.0 41.6
88 12.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 58.035 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076268.D

Acq: 26 May 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

PNNL-RH-524-2

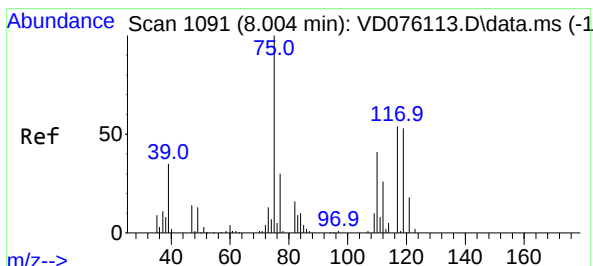
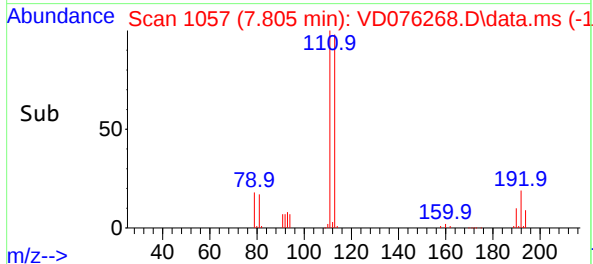
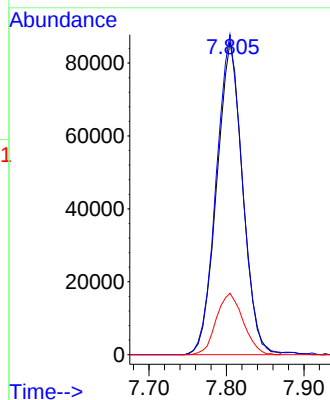
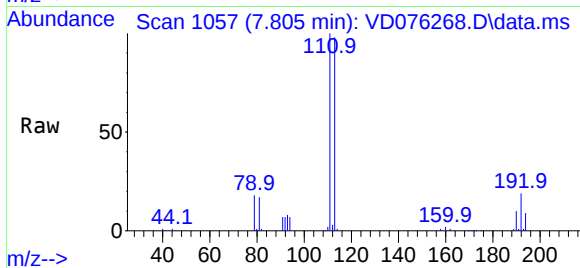
Tgt Ion:113 Resp: 199711

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 20.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 3.976 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD076268.D

Acq: 26 May 2023 20:10

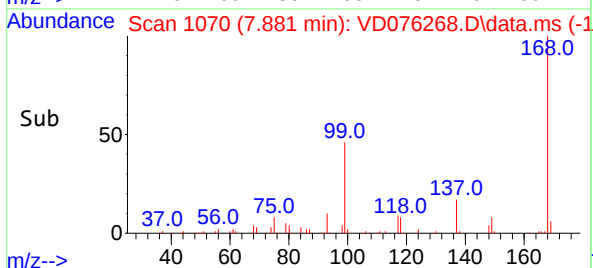
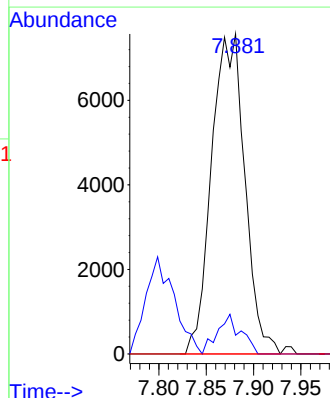
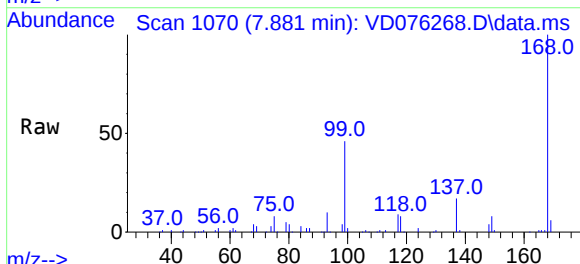
Tgt Ion: 75 Resp: 18477

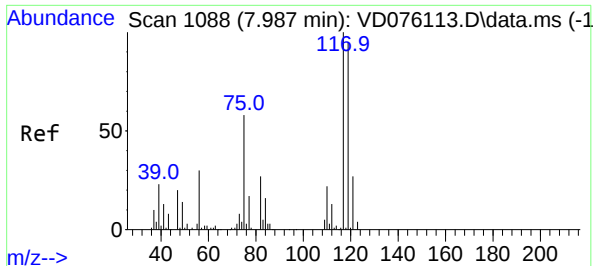
Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

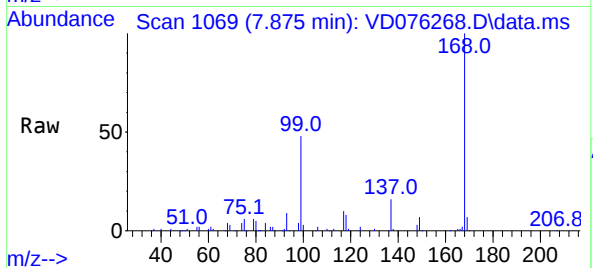
77 0.0 24.6 36.8#



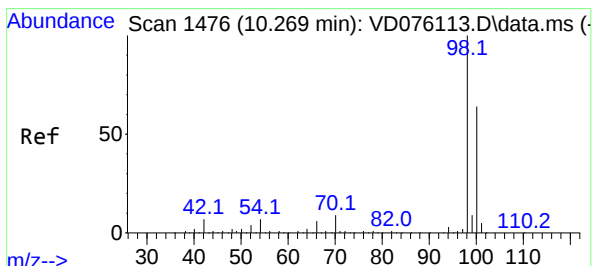
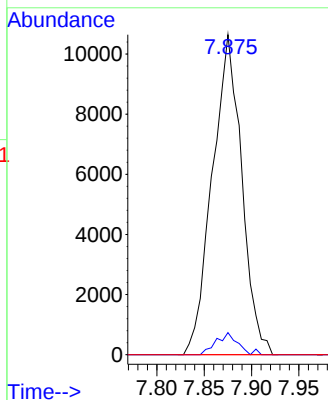
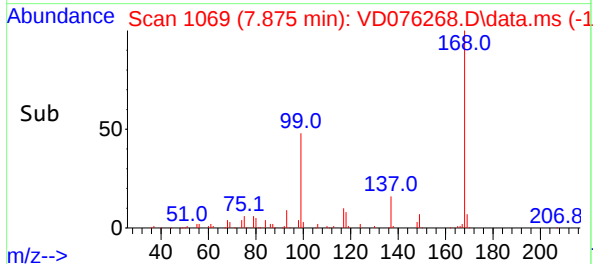


#38
Carbon Tetrachloride
Concen: 5.488 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

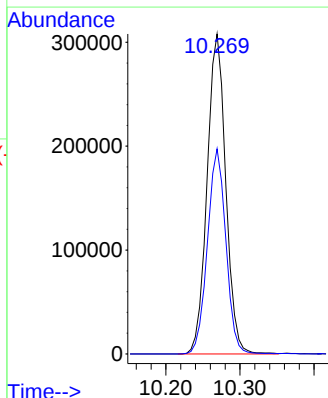
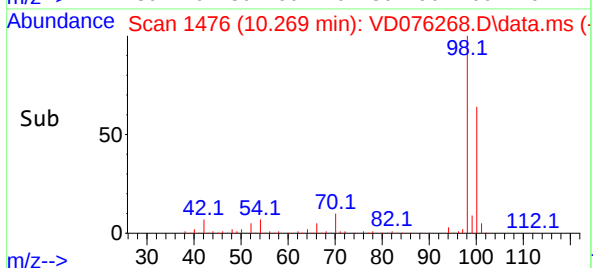
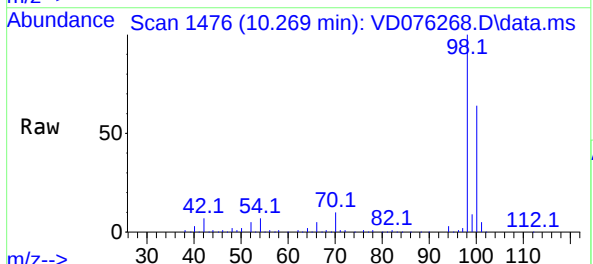


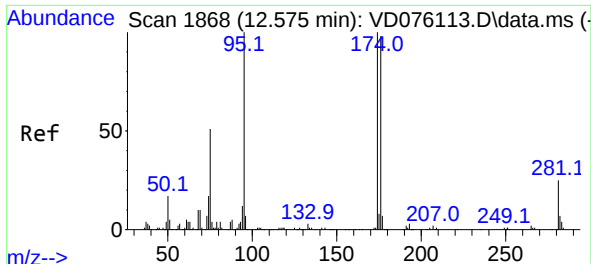
Tgt Ion:117 Resp: 23037
Ion Ratio Lower Upper
117 100
119 6.9 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 40.172 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 98 Resp: 538894
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1

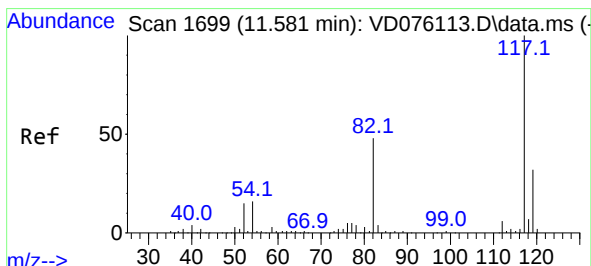
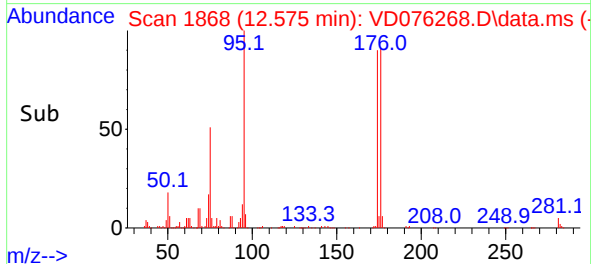
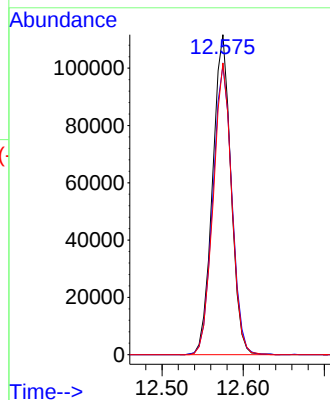
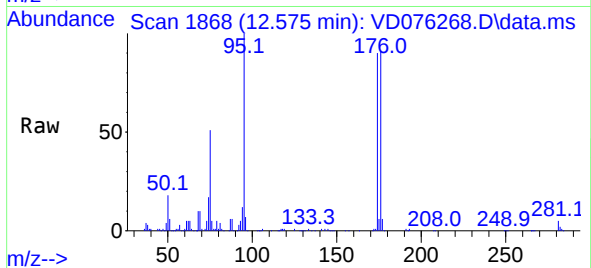




#62
4-Bromofluorobenzene
Concen: 47.090 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

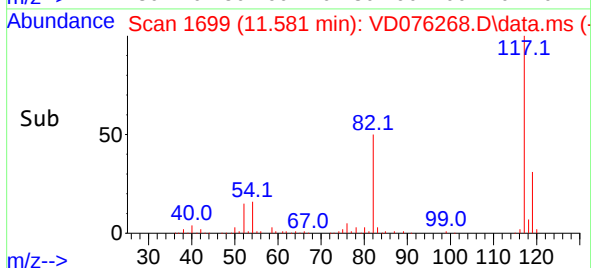
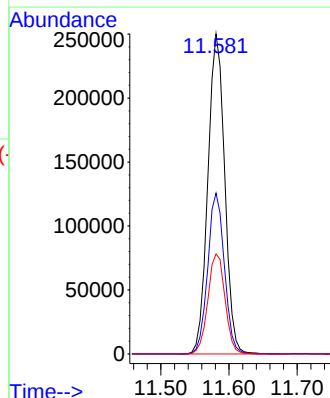
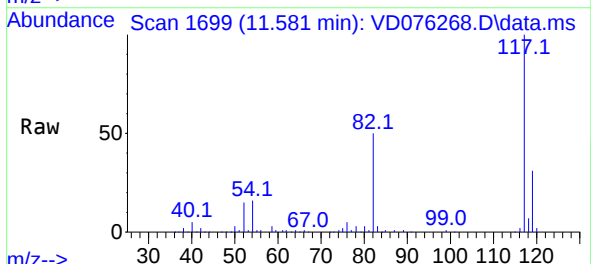
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

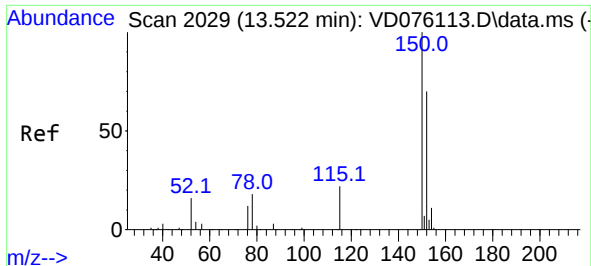
Tgt Ion: 95 Resp: 175476
Ion Ratio Lower Upper
95 100
174 93.8 0.0 164.0
176 91.5 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

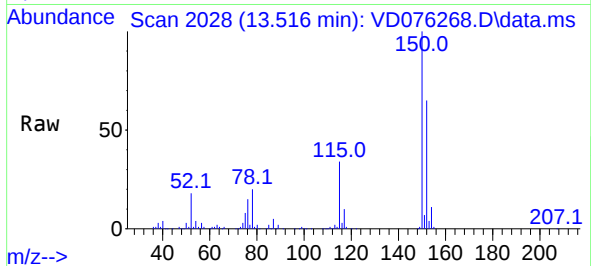
Tgt Ion: 117 Resp: 429278
Ion Ratio Lower Upper
117 100
82 50.3 44.0 66.0
119 31.2 25.1 37.7



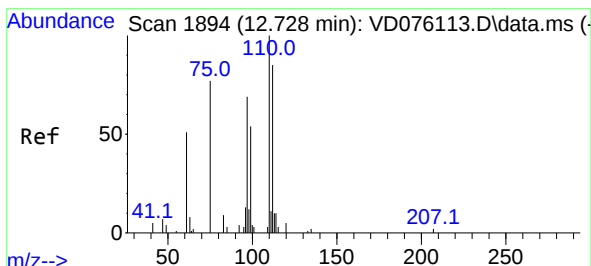
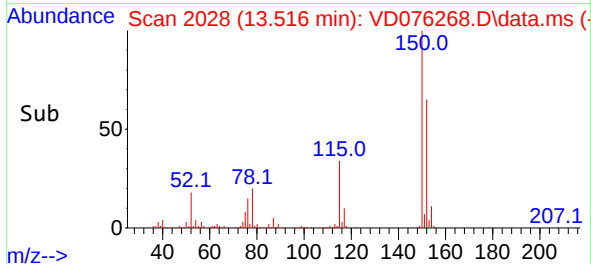
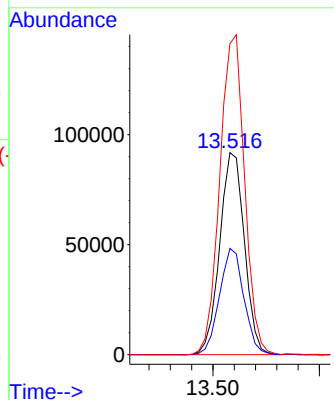


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

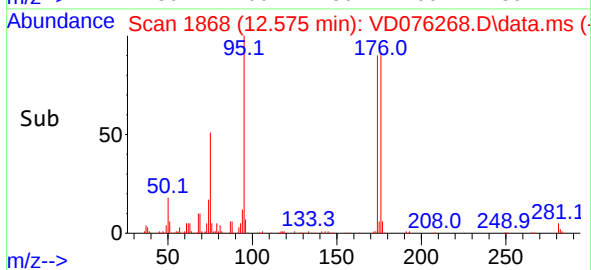
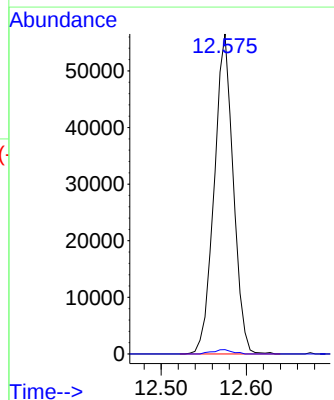
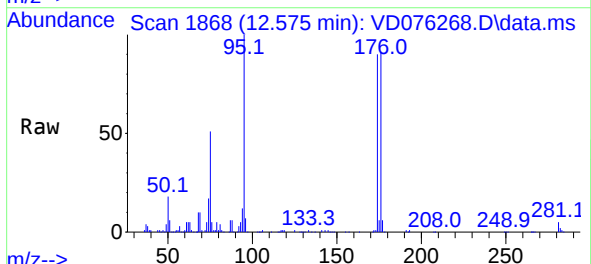


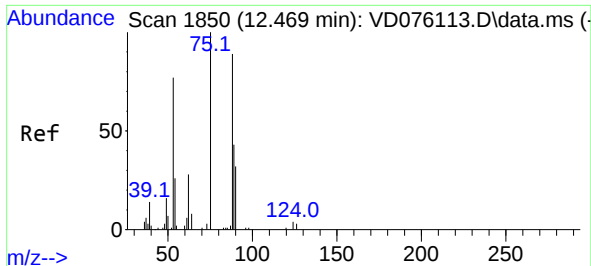
Tgt Ion:152 Resp: 147867
Ion Ratio Lower Upper
152 100
115 52.0 30.1 90.3
150 158.9 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 67.936 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

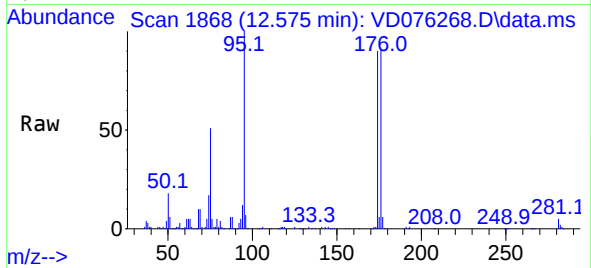
Tgt Ion: 75 Resp: 87907
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.519 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076268.D
 Acq: 26 May 2023 20:10

Instrument :
 MSVOA_D
 ClientSampleId :
 PNNL-RH-524-2



Tgt Ion:	75	Resp:	87907
Ion	Ratio	Lower	Upper
75	100		
53	0.1	90.5	135.7#
89	0.1	40.2	60.4#

