

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076286.D
 Acq On : 31 May 2023 15:09
 Operator : KP/SY
 Sample : 02937-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-052423

Quant Time: May 31 16:07:56 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)

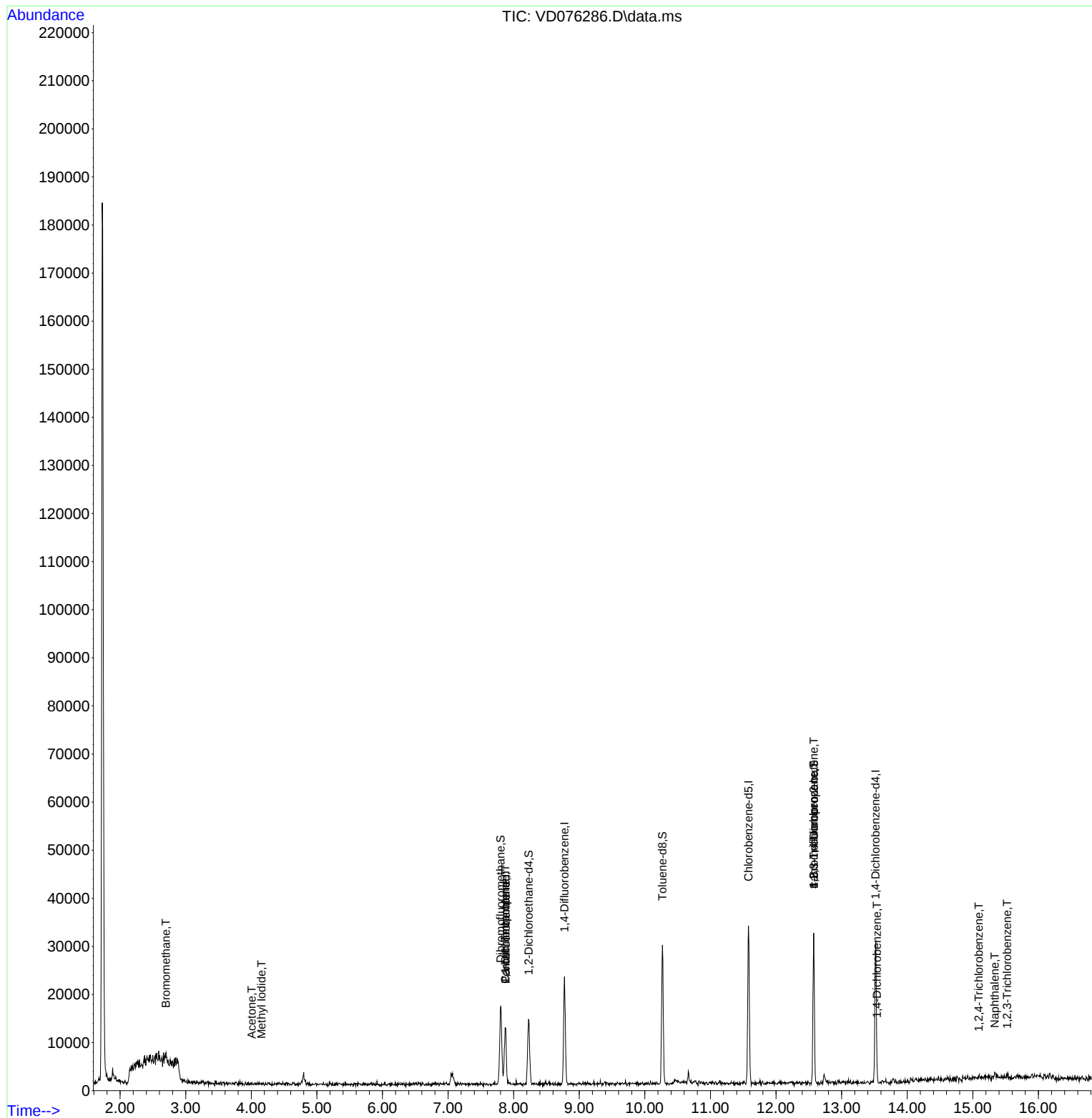
Internal Standards						
1) Pentafluorobenzene	7.881	168	11454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	21443	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	22717	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	10639	96.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 192.220%#	
35) Dibromofluoromethane	7.799	113	12220	82.446	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 164.900%#	
50) Toluene-d8	10.269	98	22119	38.282	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.560%	
62) 4-Bromofluorobenzene	12.575	95	8921	55.582	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	567	Below Cal	#	81
5) Bromomethane	2.699	94	968	6.454	ug/l #	56
10) Methyl Iodide	4.158	142	130	1.005	ug/l #	38
16) Acetone	4.005	43	82	3.723	ug/l #	44
20) Methylene Chloride	4.799	84	1481	Below Cal	#	79
36) 1,1-Dichloropropene	7.875	75	866	4.326	ug/l #	42
38) Carbon Tetrachloride	7.875	117	650	3.595	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	4558	58.080	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	4558	121.843	ug/l #	5
88) 1,4-Dichlorobenzene	13.539	146	371	1.165	ug/l #	45
93) 1,2,4-Trichlorobenzene	15.092	180	272	1.657	ug/l #	23
95) Naphthalene	15.334	128	1372	4.499	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.522	180	432	2.894	ug/l #	49

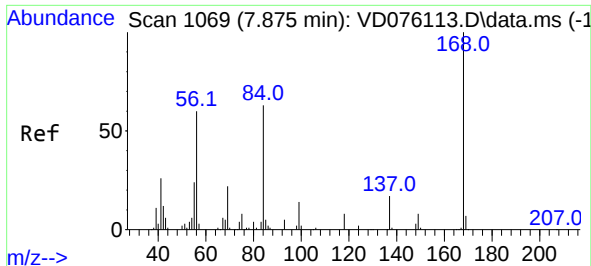
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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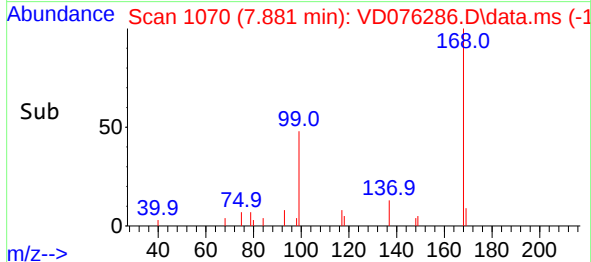
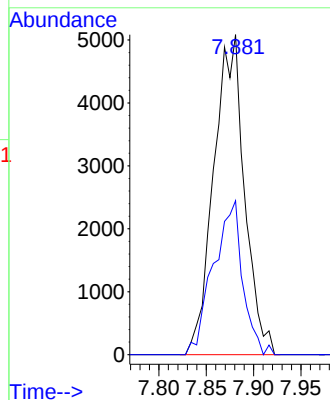
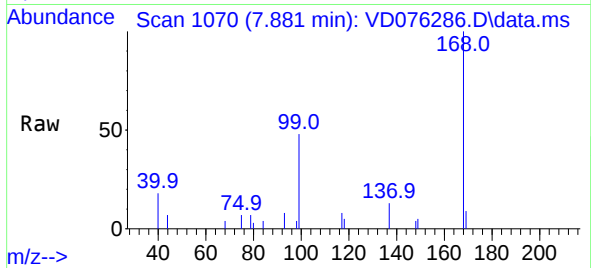




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

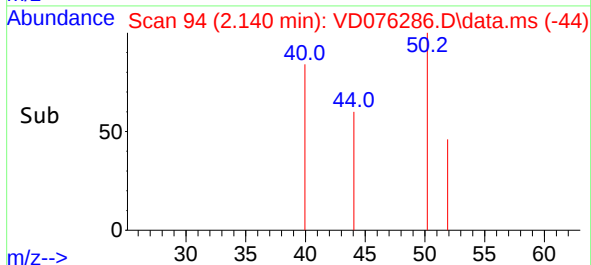
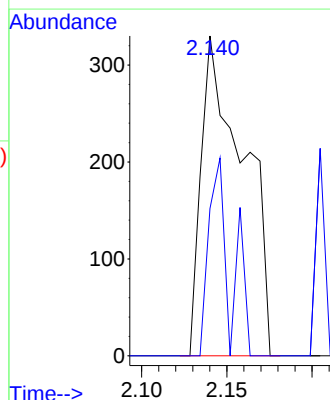
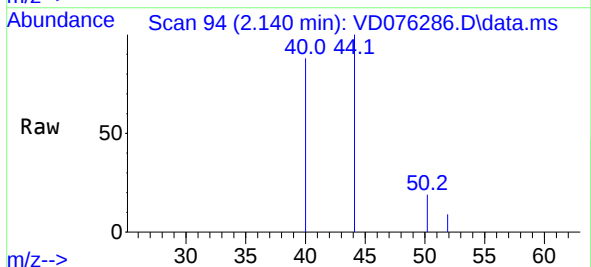
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

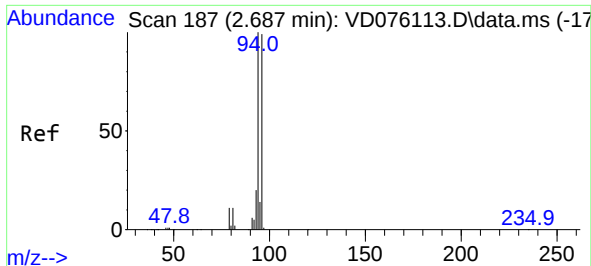
Tgt Ion:168 Resp: 11454
Ion Ratio Lower Upper
168 100
99 48.1 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion: 50 Resp: 567
Ion Ratio Lower Upper
50 100
52 46.1 27.8 41.8#

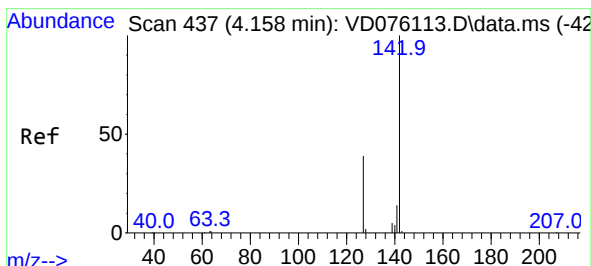
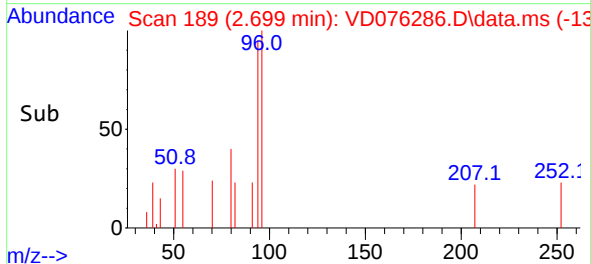
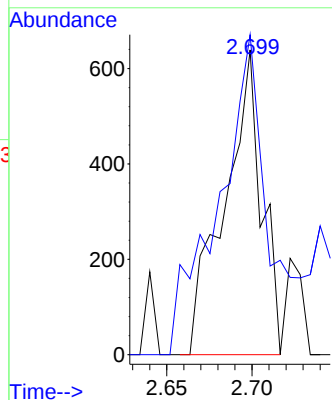
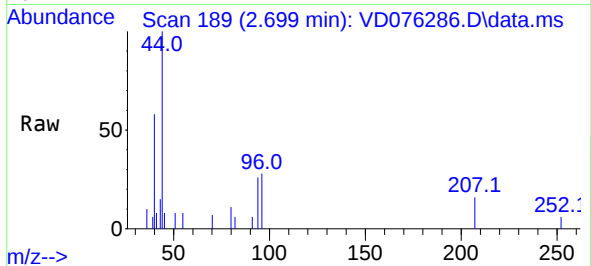




#5
Bromomethane
Concen: 6.454 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

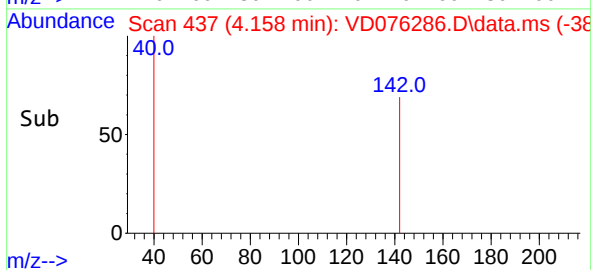
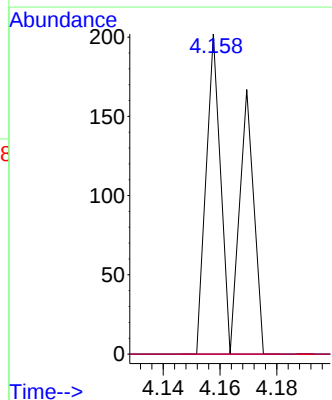
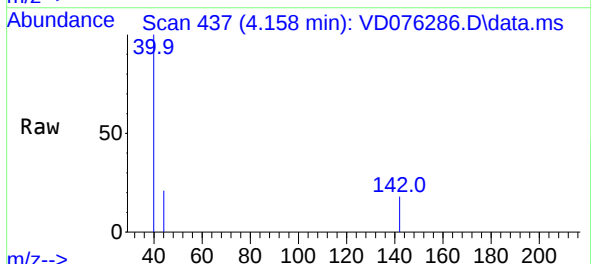
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

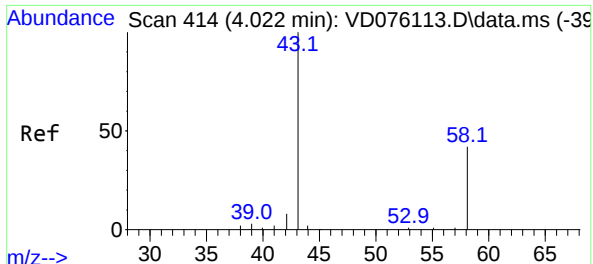
Tgt Ion: 94 Resp: 968
Ion Ratio Lower Upper
94 100
96 140.3 77.5 116.3#



#10
Methyl Iodide
Concen: 1.005 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.006 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion:142 Resp: 130
Ion Ratio Lower Upper
142 100
127 0.0 37.1 55.7#
141 0.0 11.3 16.9#

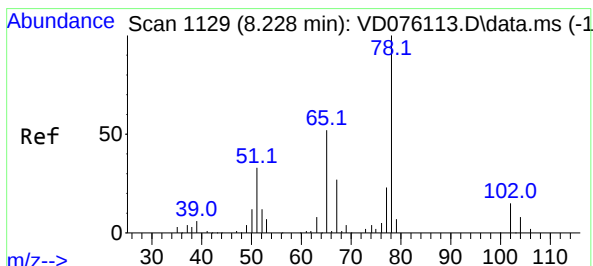
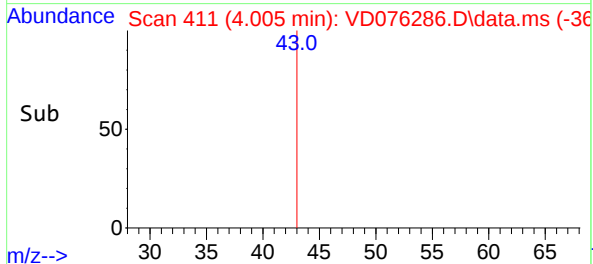
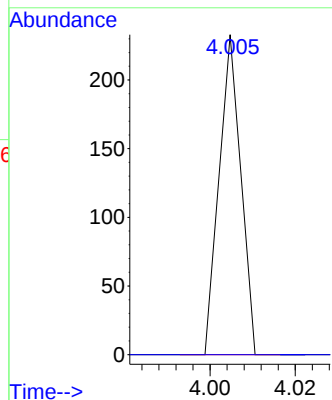
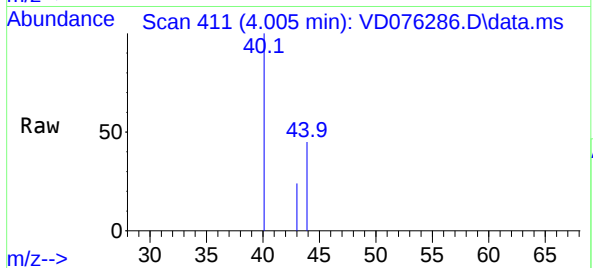




#16
Acetone
Concen: 3.723 ug/l
RT: 4.005 min Scan# 41
Delta R.T. -0.017 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

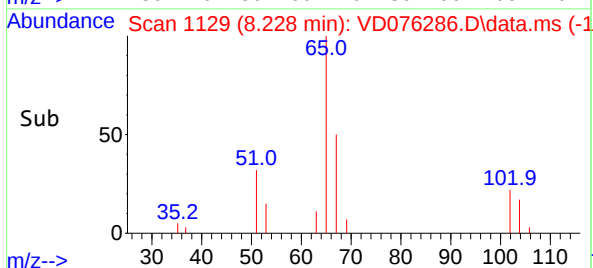
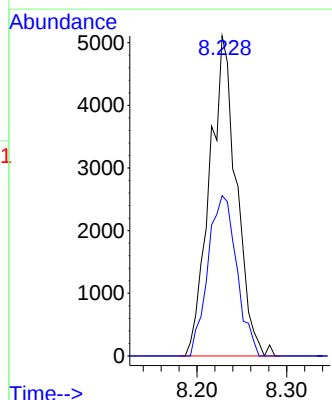
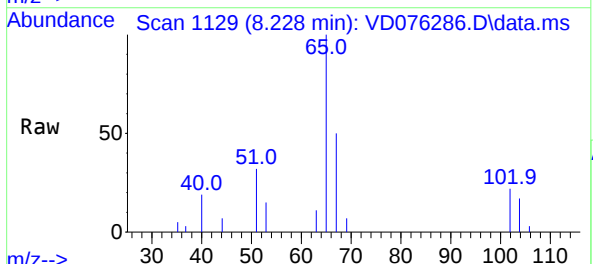
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

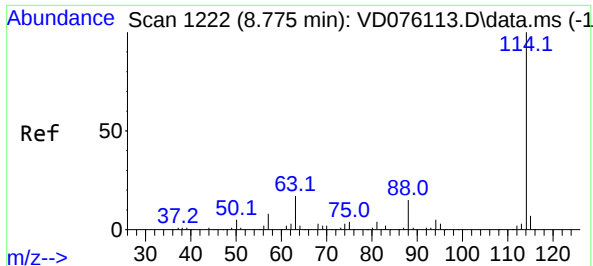
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#33
1,2-Dichloroethane-d4
Concen: 96.107 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion: 65 Resp: 10639
Ion Ratio Lower Upper
65 100
67 53.4 0.0 102.2

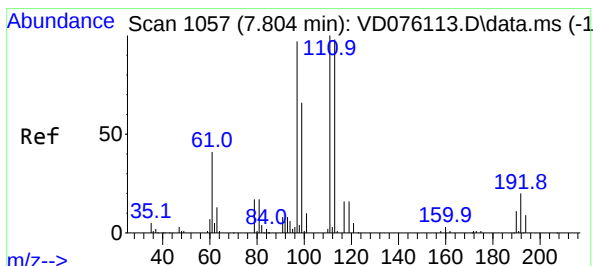
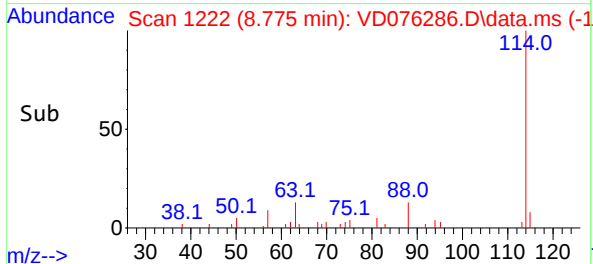
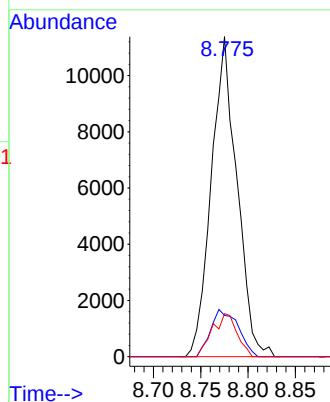
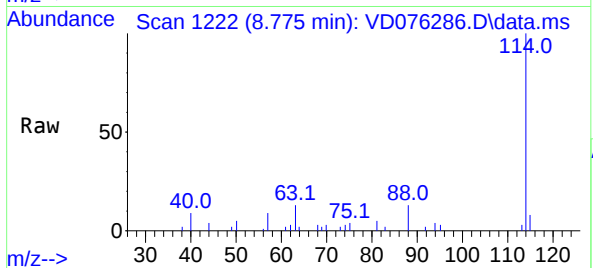




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

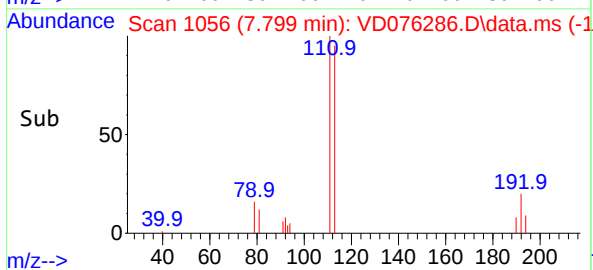
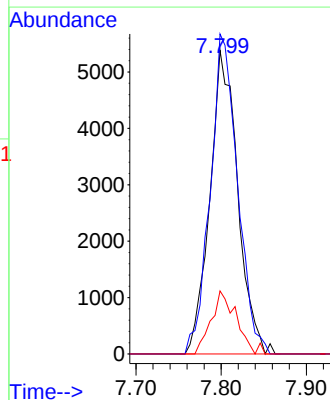
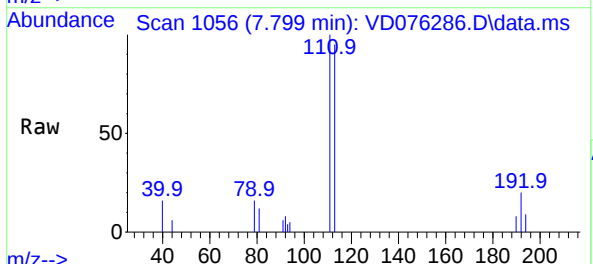
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

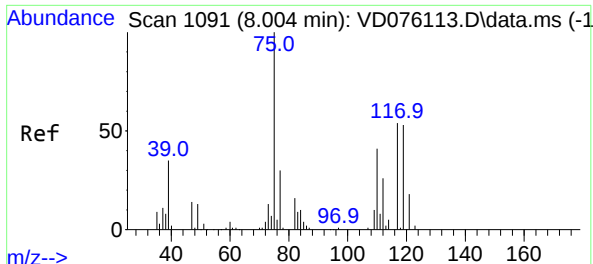
Tgt Ion:	114	Resp:	21443
Ion Ratio	Lower	Upper	
114	100		
63	12.9	0.0	41.6
88	13.5	0.0	30.6



#35
Dibromofluoromethane
Concen: 82.446 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion:	113	Resp:	12220
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.4	122.0
192	18.4	15.2	22.8

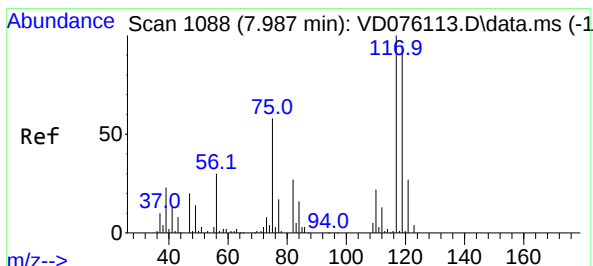
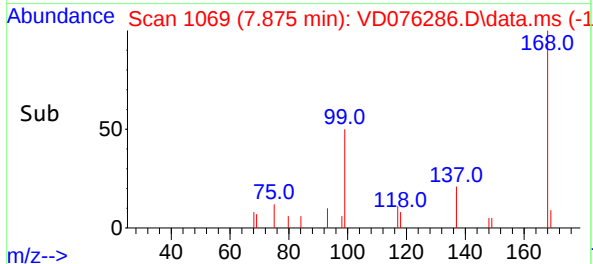
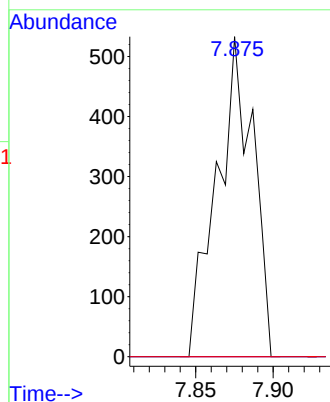
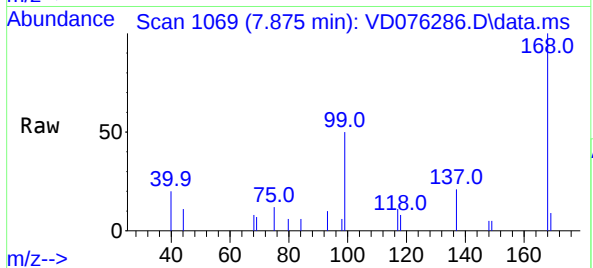




#36
1,1-Dichloropropene
Concen: 4.326 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

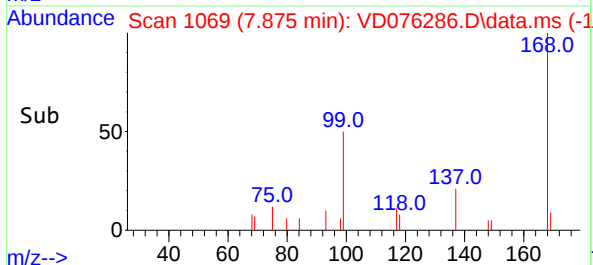
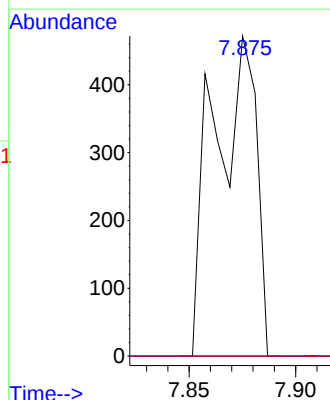
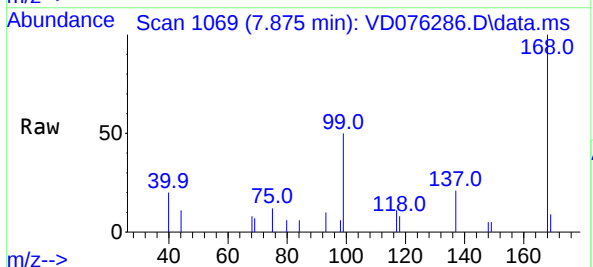
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

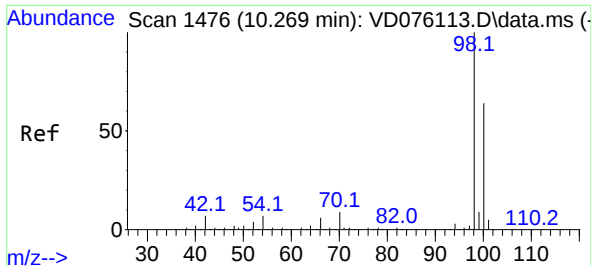
Tgt Ion: 75 Resp: 866
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 3.595 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion: 117 Resp: 650
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#

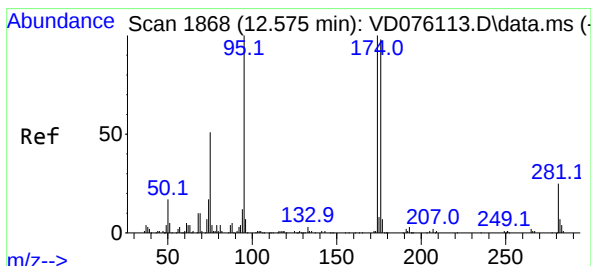
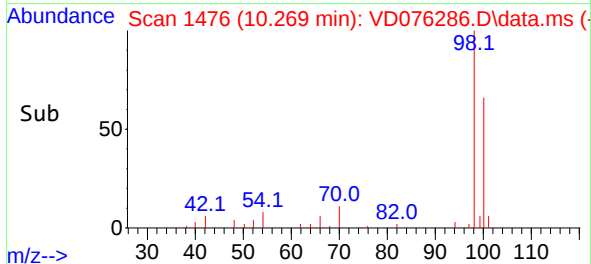
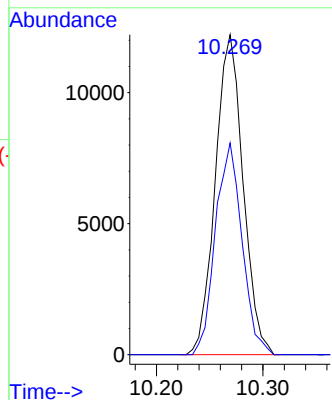
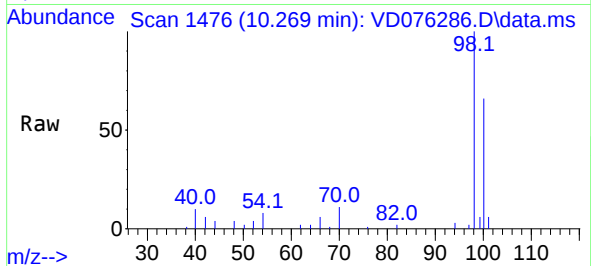




#50
Toluene-d8
Concen: 38.282 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

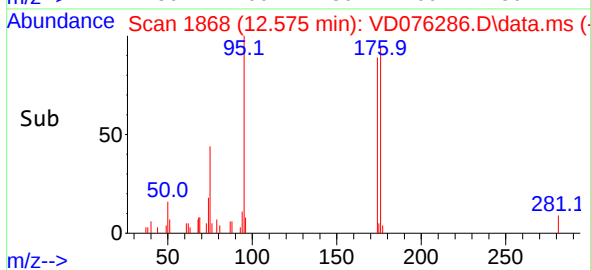
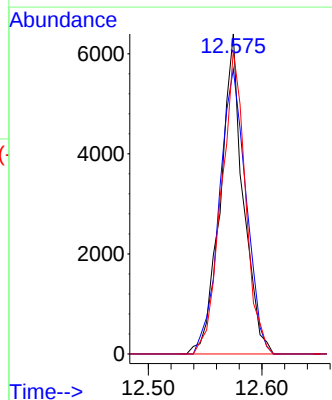
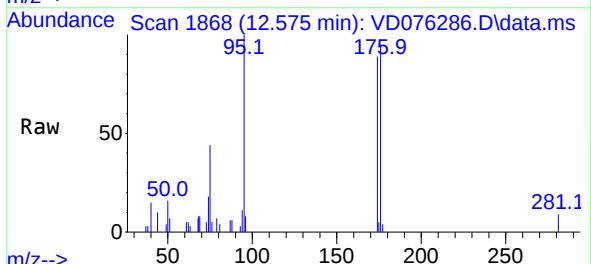
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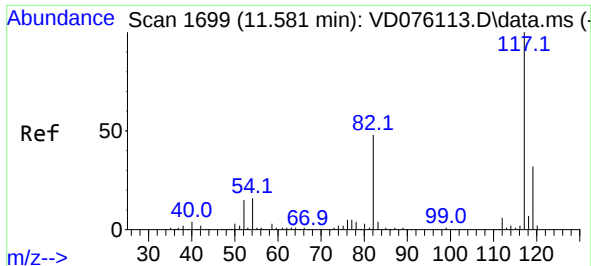
Tgt Ion: 98 Resp: 22119
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 55.582 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion: 95 Resp: 8921
Ion Ratio Lower Upper
95 100
174 104.3 0.0 164.0
176 99.4 0.0 156.8

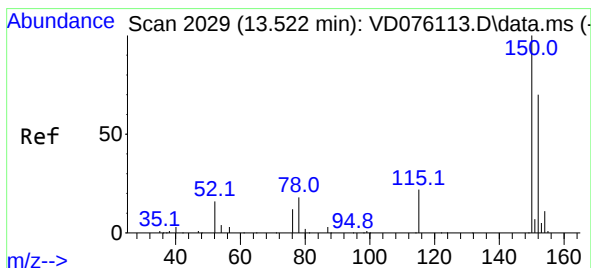
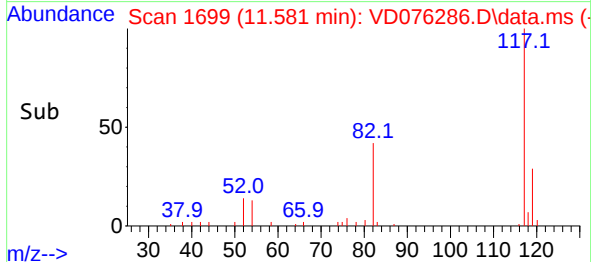
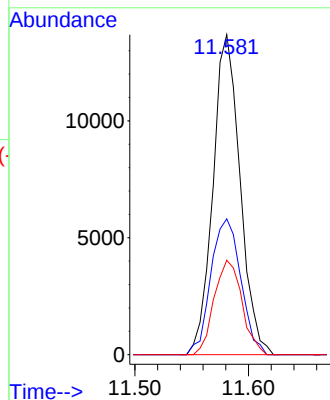
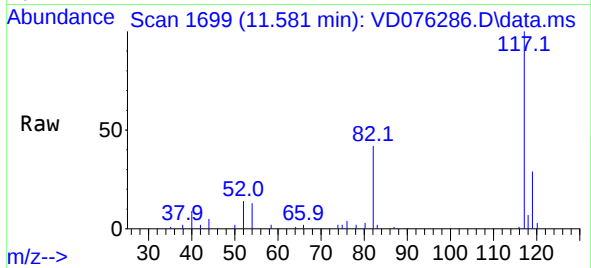




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

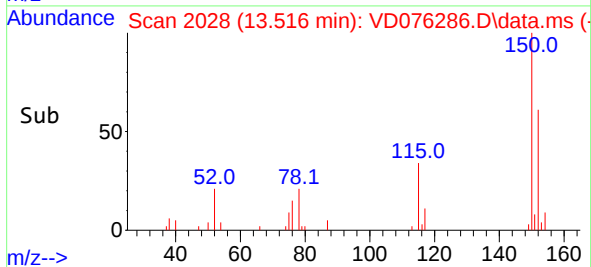
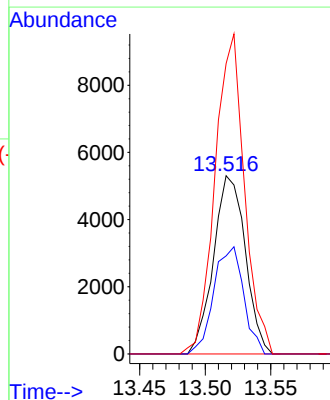
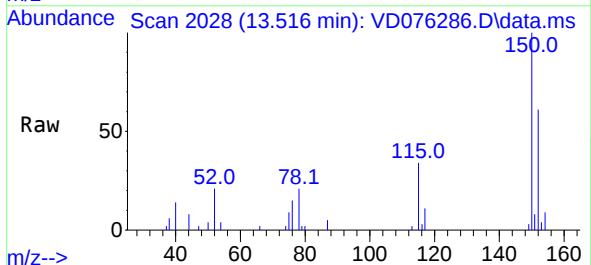
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

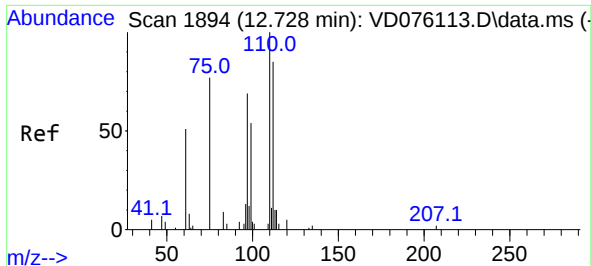
Tgt Ion:117 Resp: 22717
Ion Ratio Lower Upper
117 100
82 42.4 44.0 66.0#
119 29.5 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion:152 Resp: 8968
Ion Ratio Lower Upper
152 100
115 56.3 30.1 90.3
150 165.5 0.0 364.8

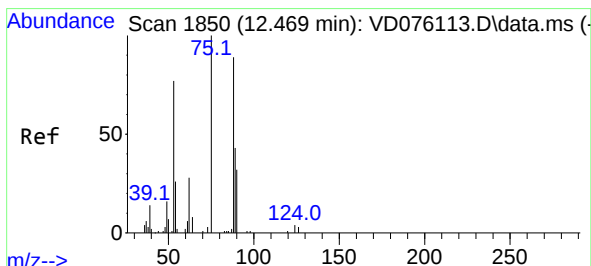
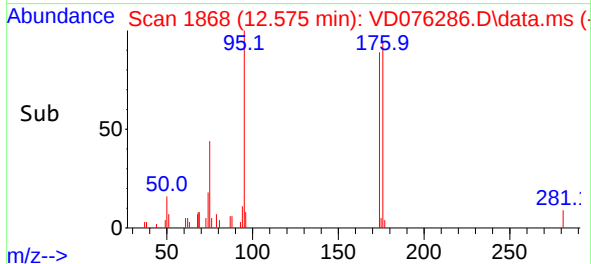
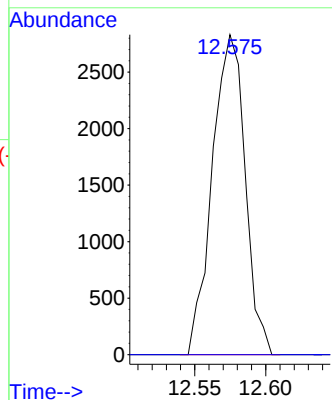
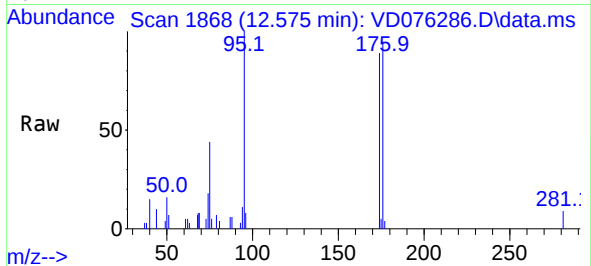




#76
1,2,3-Trichloropropane
Concen: 58.080 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

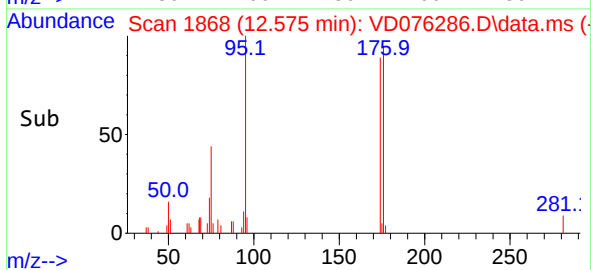
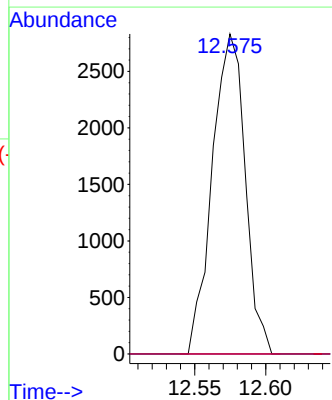
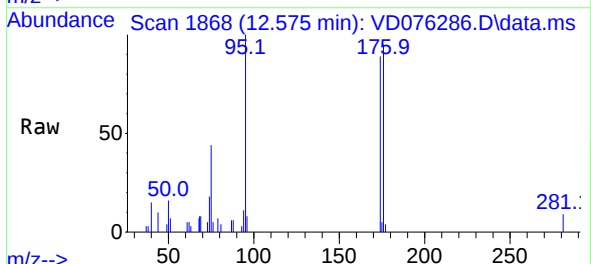
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

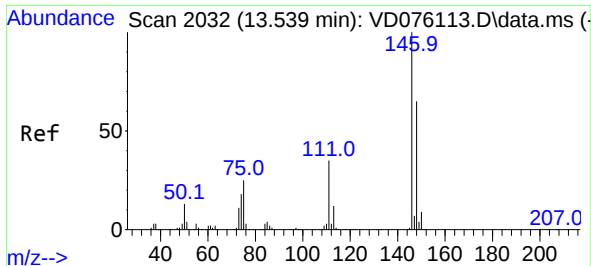
Tgt Ion: 75 Resp: 4558
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 121.843 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion: 75 Resp: 4558
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

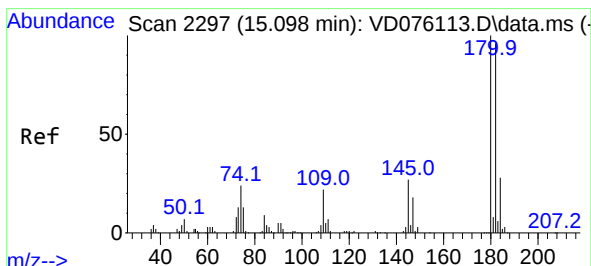
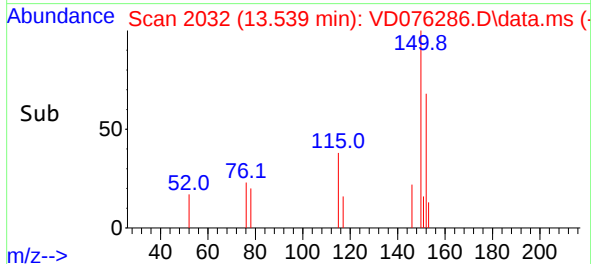
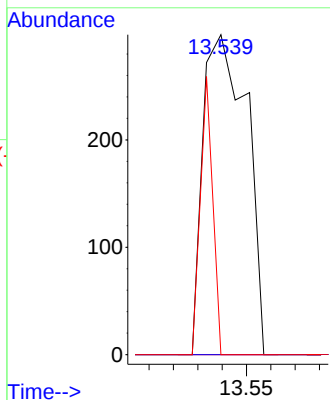
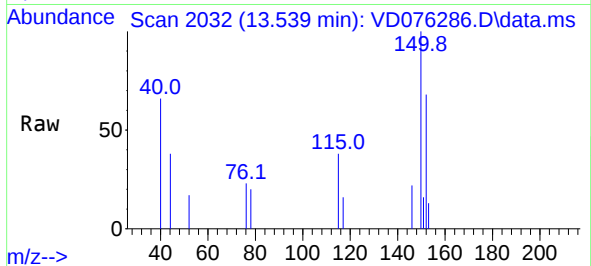




#88
1,4-Dichlorobenzene
Concen: 1.165 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

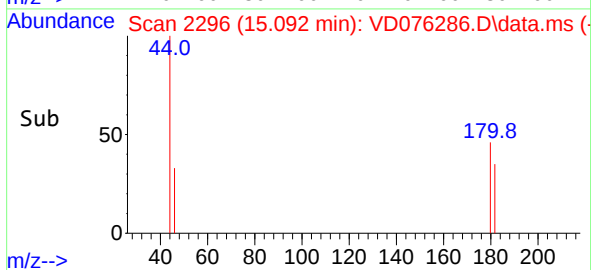
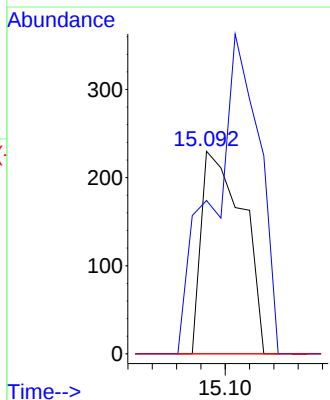
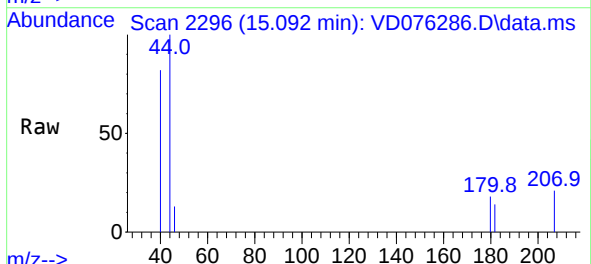
Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

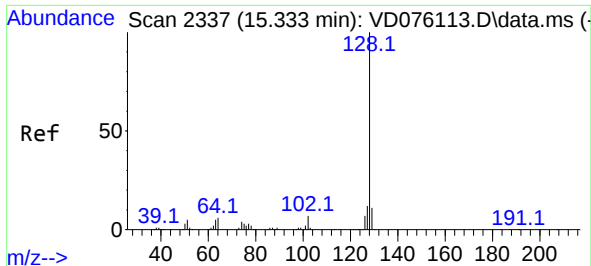
Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.8#
148	24.5	31.7	95.1#



#93
1,2,4-Trichlorobenzene
Concen: 1.657 ug/l
RT: 15.092 min Scan# 2296
Delta R.T. -0.012 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	176.8	47.9	143.7#
145	0.0	15.9	47.7#

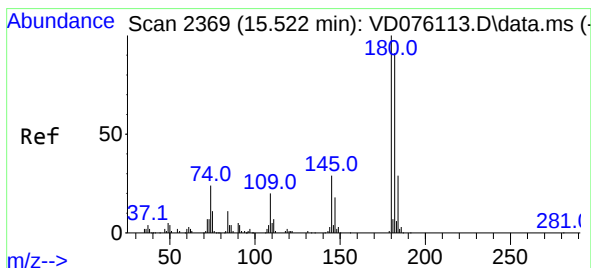
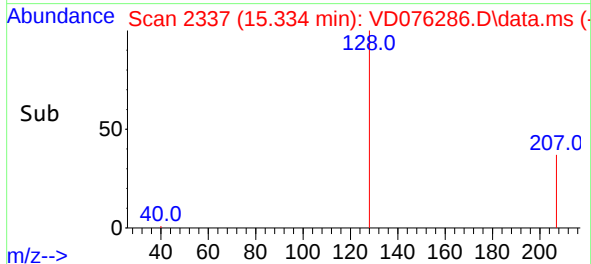
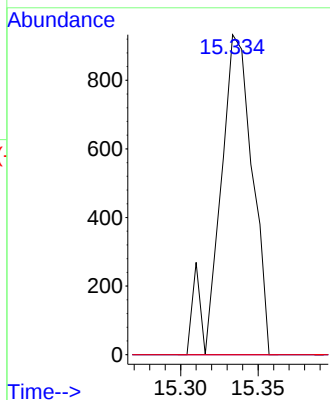
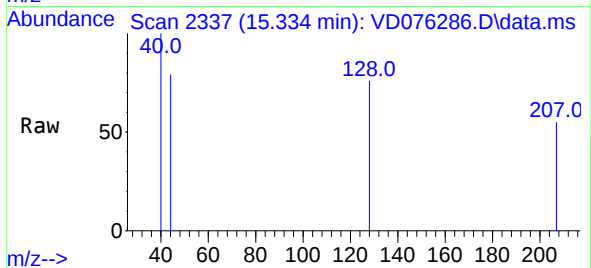




#95
Naphthalene
Concen: 4.499 ug/l
RT: 15.334 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Instrument :
MSVOA_D
ClientSampleId :
AU-06-052423

Tgt Ion:	128	Resp:	1372
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#



#96
1,2,3-Trichlorobenzene
Concen: 2.894 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD076286.D
Acq: 31 May 2023 15:09

Tgt Ion:	180	Resp:	432
Ion	Ratio	Lower	Upper
180	100		
182	48.6	47.7	143.1
145	0.0	16.4	49.4#

