

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053023\
 Data File : VD076275.D
 Acq On : 30 May 2023 15:30
 Operator : KP/SY
 Sample : 02971-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB16

Quant Time: May 31 02:20:33 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)

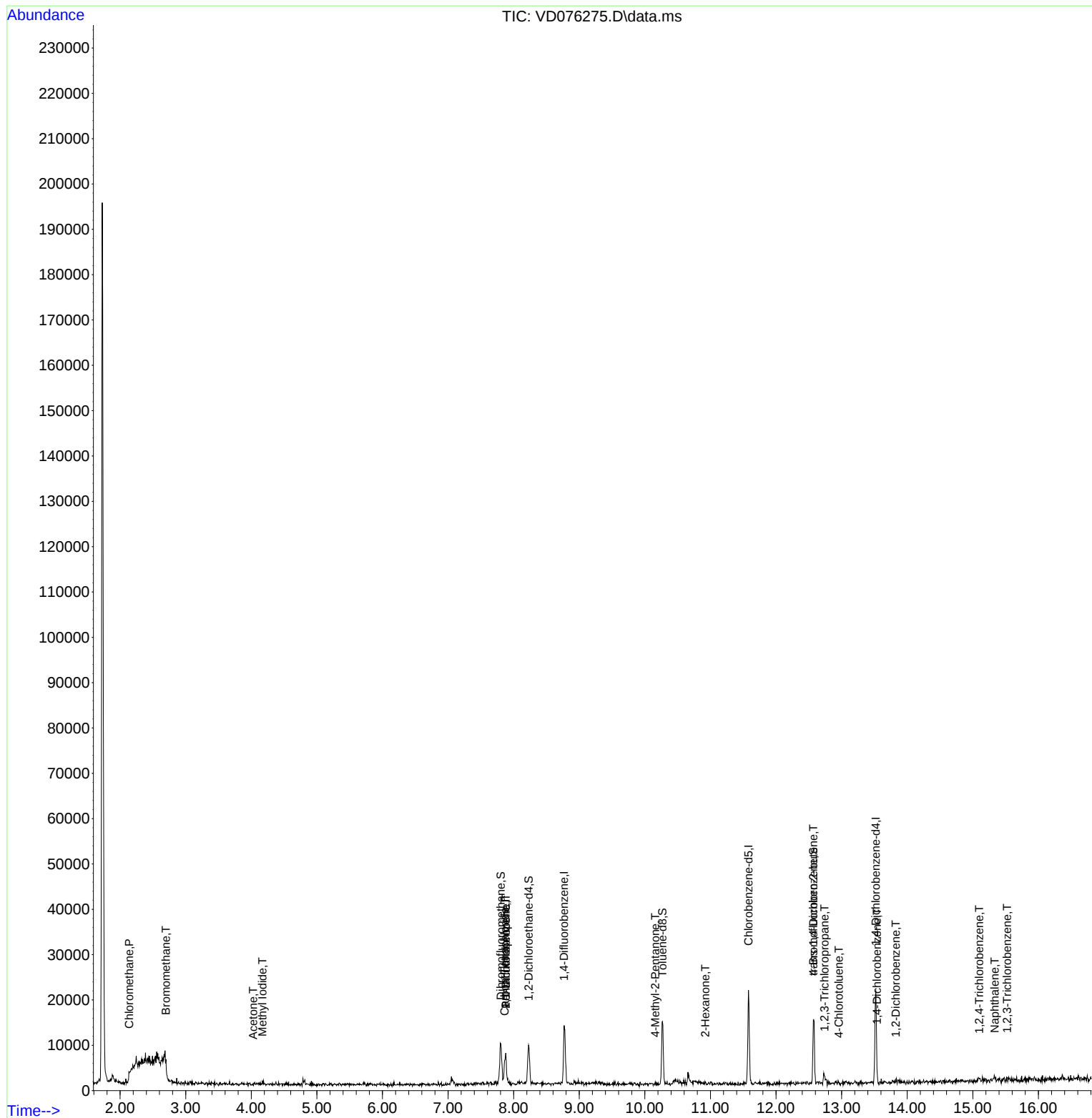
Internal Standards						
1) Pentafluorobenzene	7.881	168	7295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	13871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	12963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	7155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6868	97.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 194.820%#	
35) Dibromofluoromethane	7.804	113	6503	67.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 135.660%	
50) Toluene-d8	10.269	98	11331	30.316	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 60.640%	
62) 4-Bromofluorobenzene	12.569	95	4715	45.413	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.820%	
Target Compounds						Qvalue
3) Chloromethane	2.140	50	768	2.928	ug/l #	82
5) Bromomethane	2.699	94	1566	16.393	ug/l	88
10) Methyl Iodide	4.169	142	586	7.114	ug/l #	49
16) Acetone	4.028	43	78	5.560	ug/l #	44
36) 1,1-Dichloropropene	7.881	75	154	1.189	ug/l #	42
38) Carbon Tetrachloride	7.863	117	505	4.318	ug/l #	13
51) 4-Methyl-2-Pentanone	10.157	43	80	1.796	ug/l #	38
59) 2-Hexanone	10.922	43	62	1.973	ug/l #	27
76) 1,2,3-Trichloropropane	12.739	75	151	2.412	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	2346	78.603	ug/l #	5
82) 4-Chlorotoluene	12.957	91	390	1.124	ug/l #	41
88) 1,4-Dichlorobenzene	13.539	146	358	1.410	ug/l #	43
91) 1,2-Dichlorobenzene	13.828	146	260	1.155	ug/l #	73
93) 1,2,4-Trichlorobenzene	15.098	180	217	1.657	ug/l #	53
95) Naphthalene	15.333	128	1202	4.941	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.522	180	217	1.822	ug/l #	34

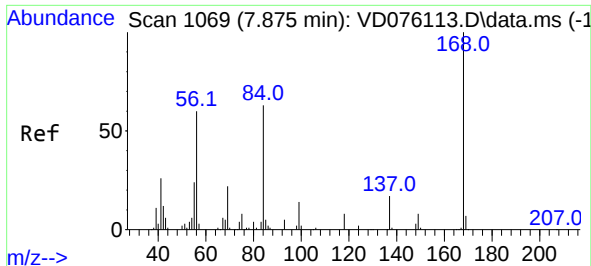
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

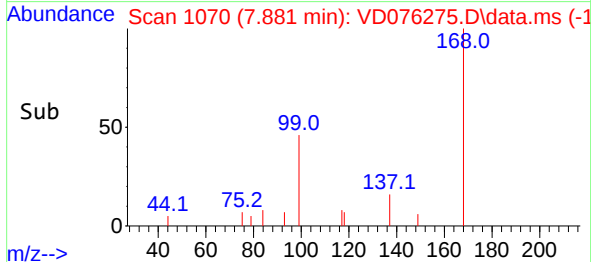
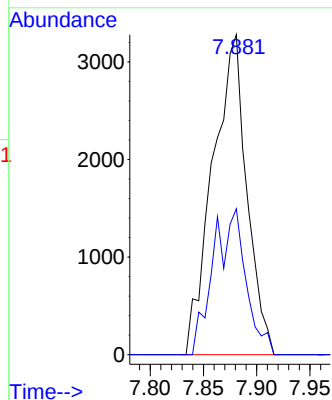
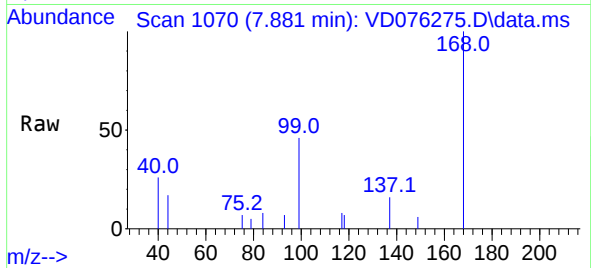




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

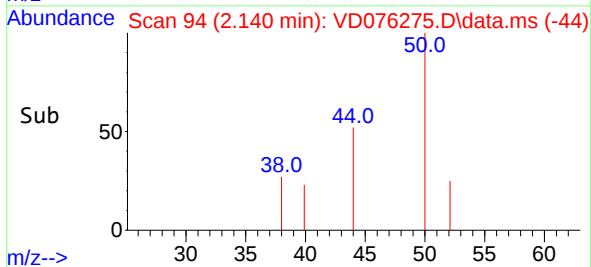
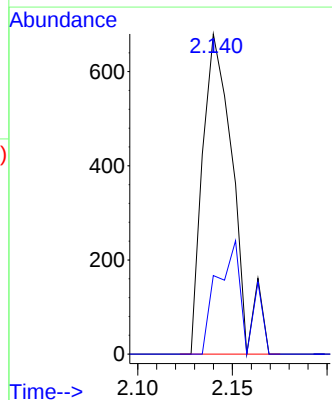
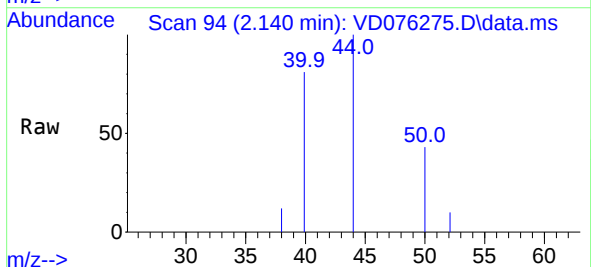
Instrument :
MSVOA_D
ClientSampleId :
SB16

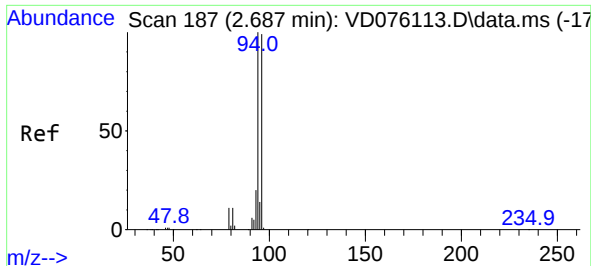
Tgt Ion:168 Resp: 7295
Ion Ratio Lower Upper
168 100
99 45.6 43.8 65.6



#3
Chloromethane
Concen: 2.928 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 50 Resp: 768
Ion Ratio Lower Upper
50 100
52 24.6 27.8 41.8#

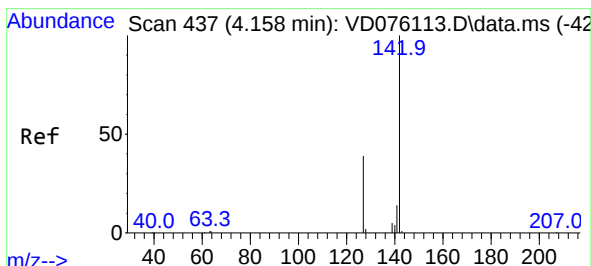
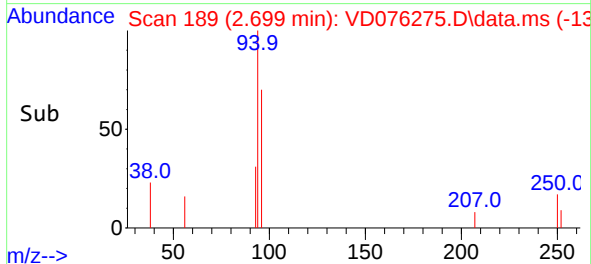
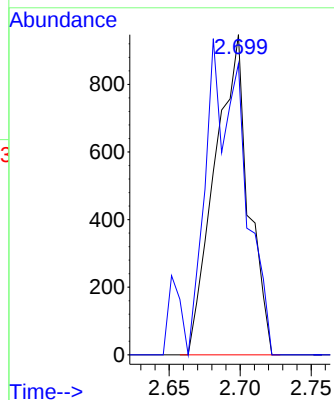
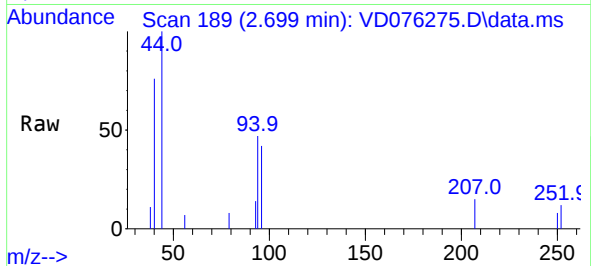




#5
Bromomethane
Concen: 16.393 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

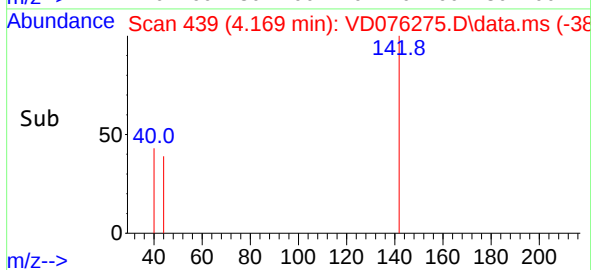
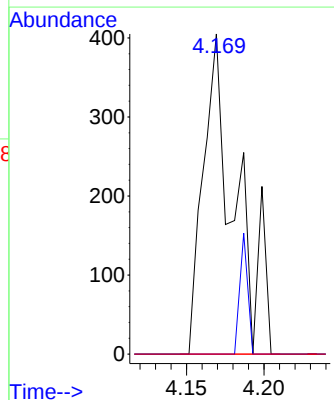
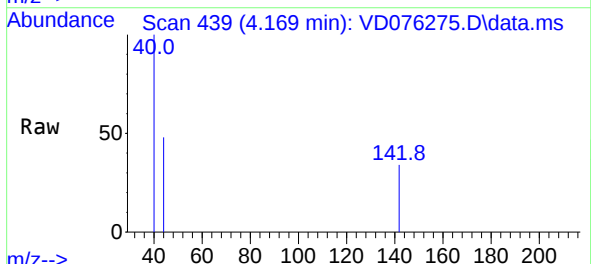
Instrument :
MSVOA_D
ClientSampleId :
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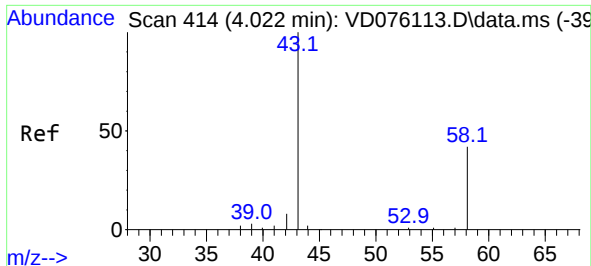
Tgt Ion: 94 Resp: 1566
Ion Ratio Lower Upper
94 100
96 108.8 77.5 116.3



#10
Methyl Iodide
Concen: 7.114 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.005 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 142 Resp: 586
Ion Ratio Lower Upper
142 100
127 9.2 37.1 55.7#
141 0.0 11.3 16.9#

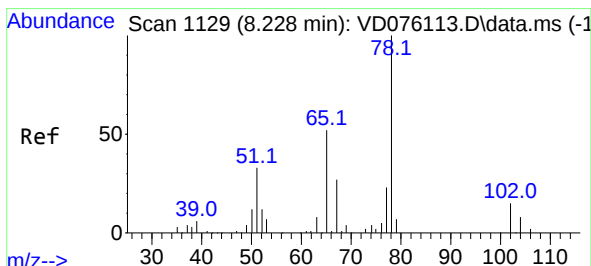
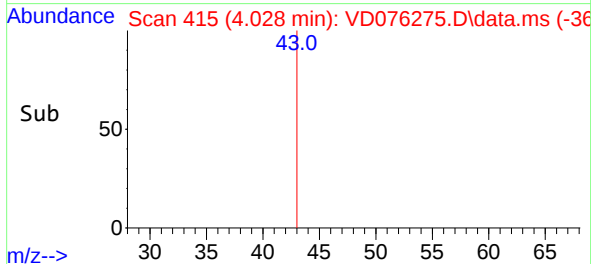
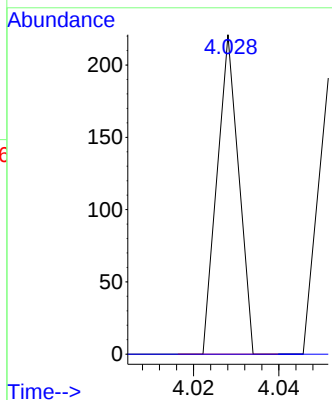
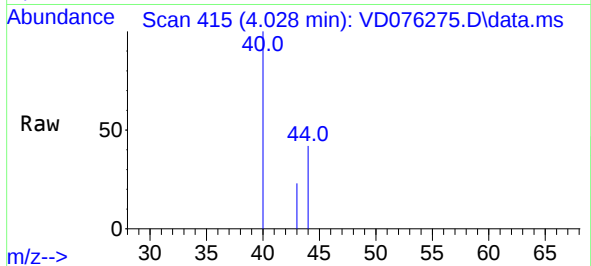




#16
Acetone
Concen: 5.560 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

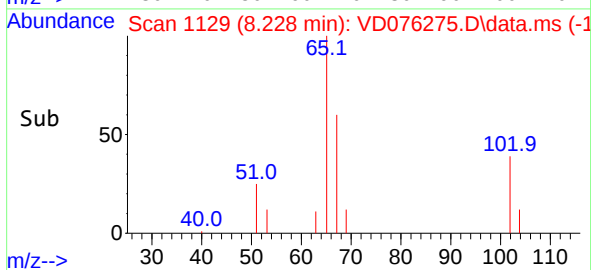
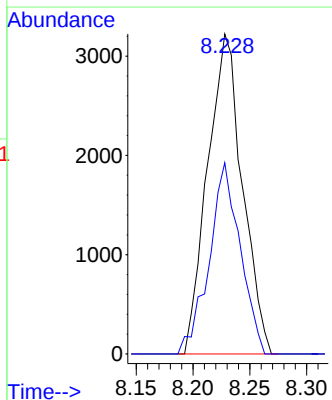
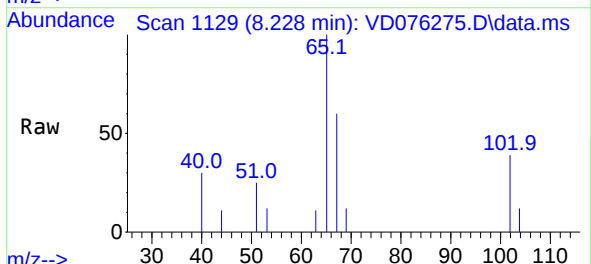
Instrument :
MSVOA_D
ClientSampleId :
SB16

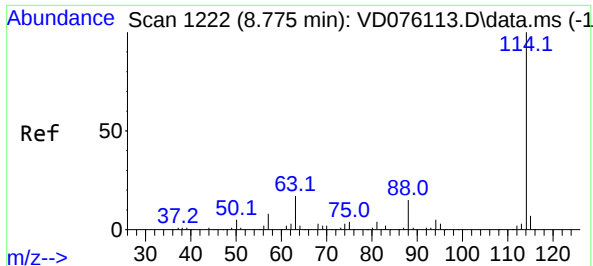
Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#33
1,2-Dichloroethane-d4
Concen: 97.412 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 65 Resp: 6868
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.2



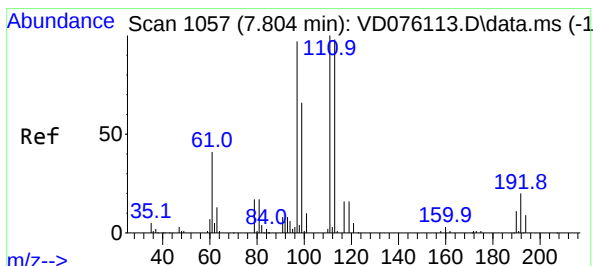
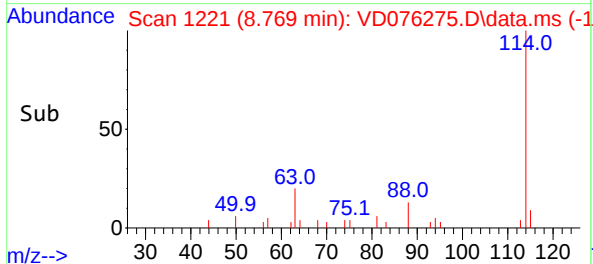
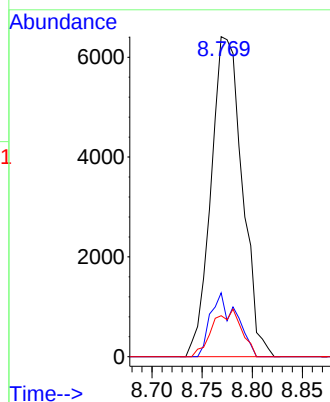
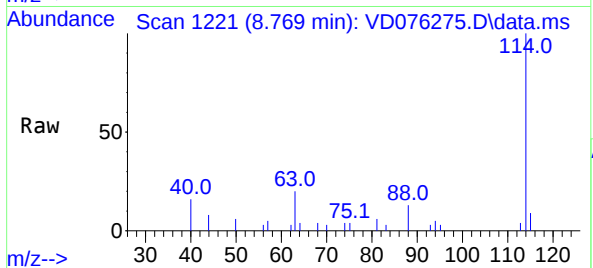


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Instrument :
MSVOA_D
ClientSampleId :
SB16

Tgt Ion:114 Resp: 13871

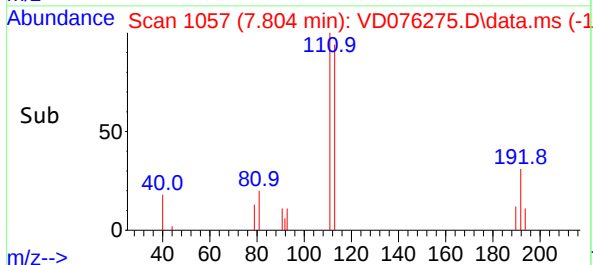
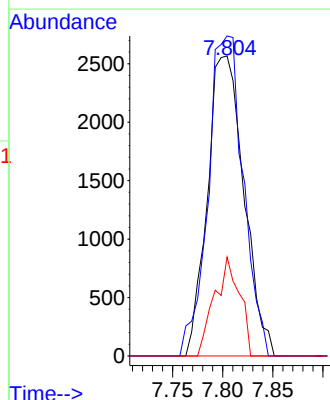
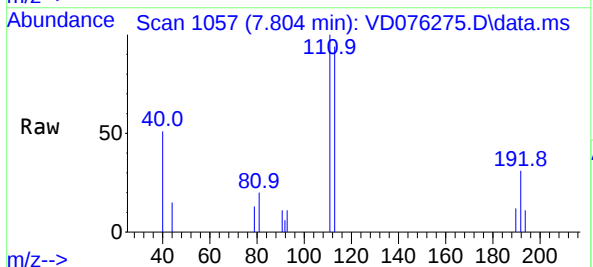
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.6
88	12.8	0.0	30.6

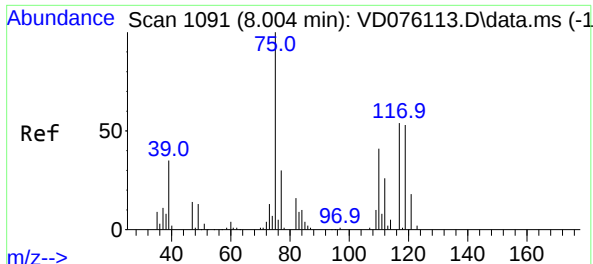


#35
Dibromofluoromethane
Concen: 67.825 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion:113 Resp: 6503

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	22.5	15.2	22.8

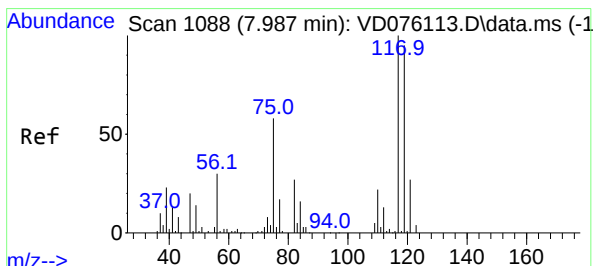
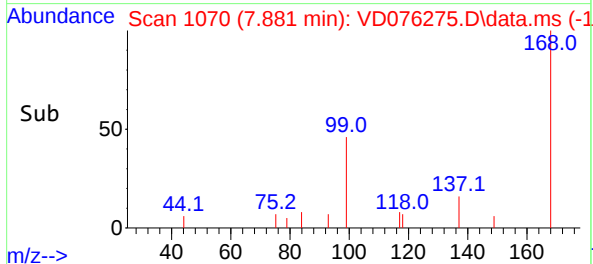
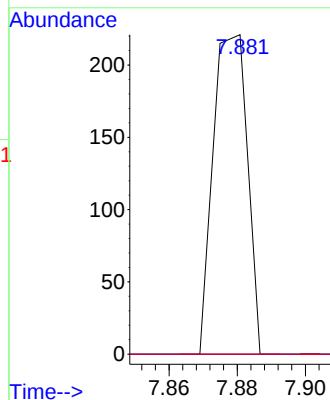
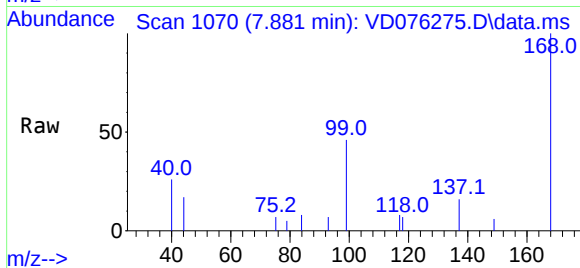




#36
1,1-Dichloropropene
Concen: 1.189 ug/l
RT: 7.881 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

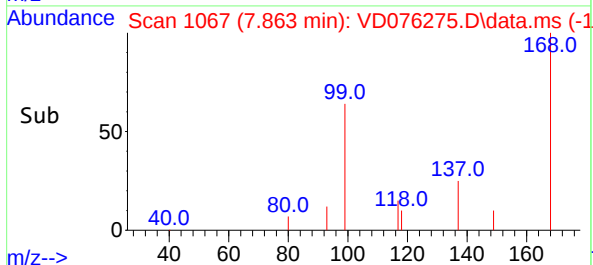
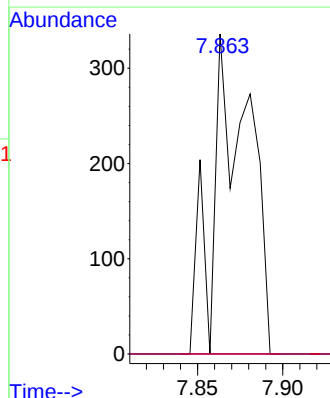
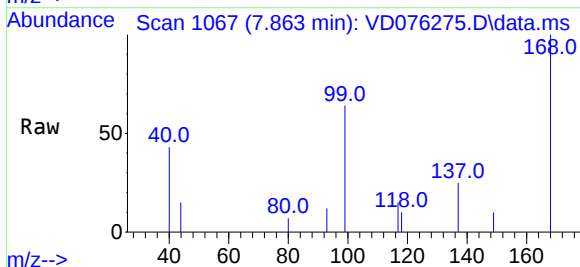
Instrument :
MSVOA_D
ClientSampleId :
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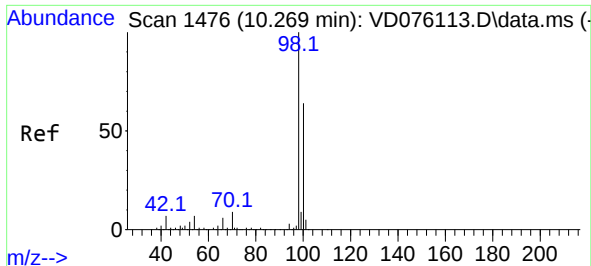
Tgt Ion: 75 Resp: 154
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 4.318 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.130 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 117 Resp: 505
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#

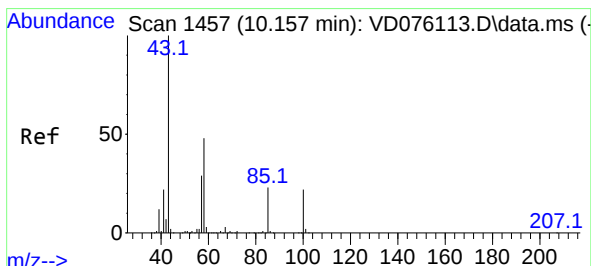
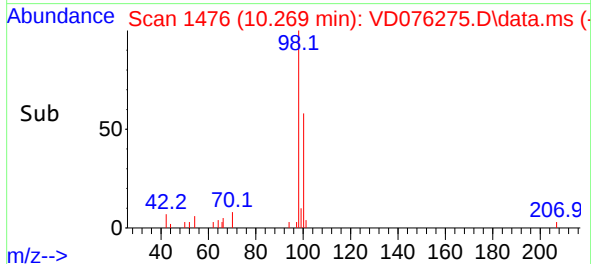
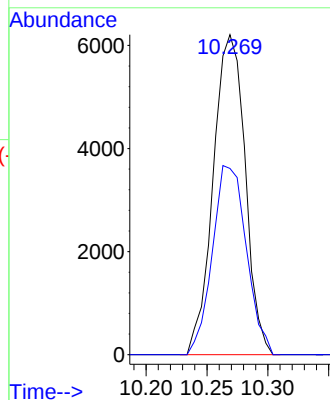
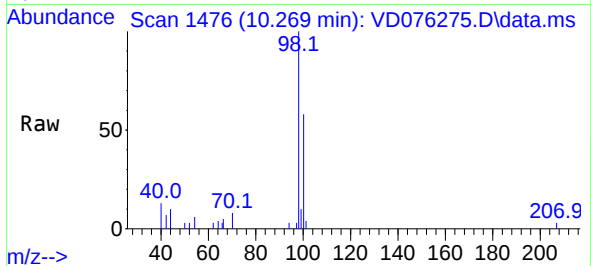




#50
Toluene-d8
Concen: 30.316 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

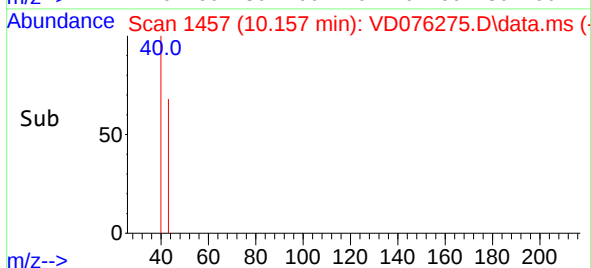
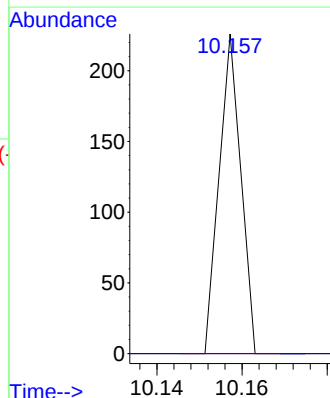
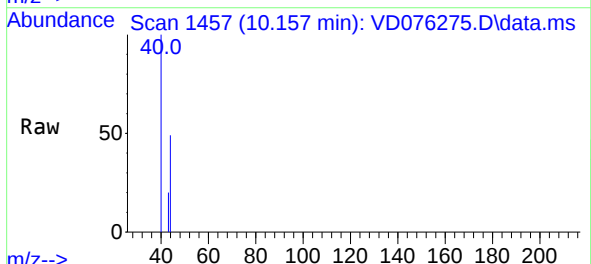
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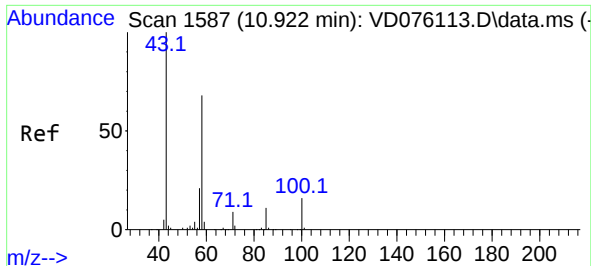
Tgt Ion: 98 Resp: 11331
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.796 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#

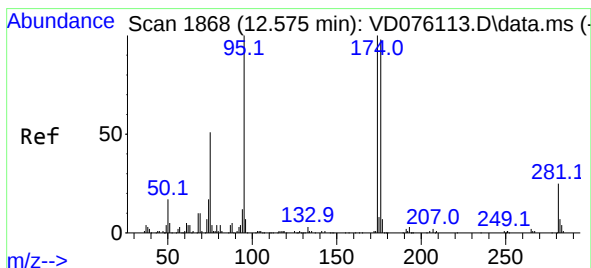
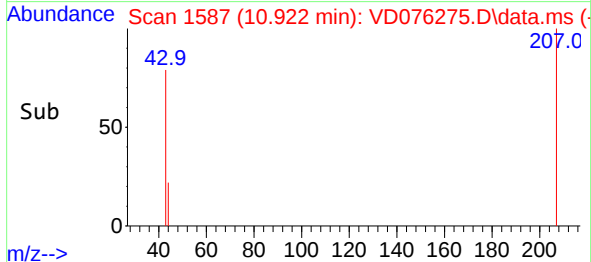
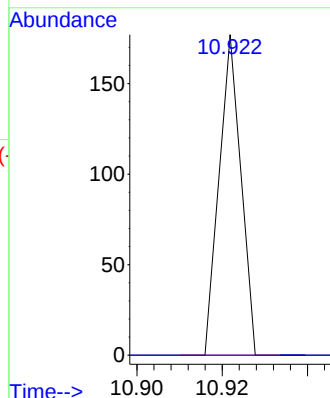
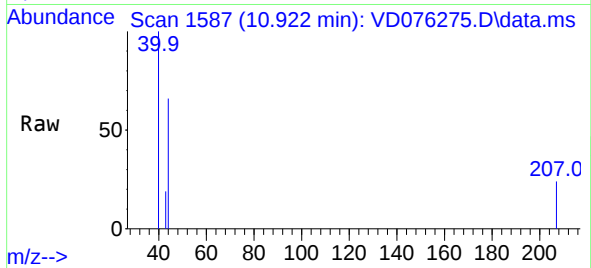




#59
2-Hexanone
Concen: 1.973 ug/l
RT: 10.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

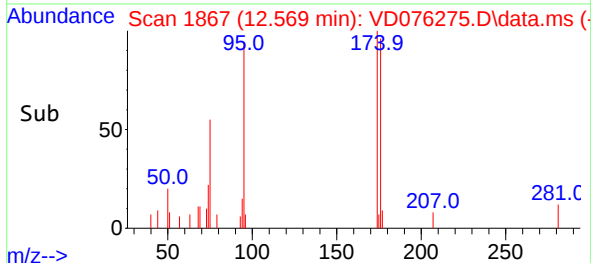
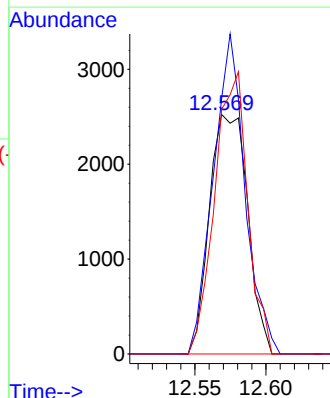
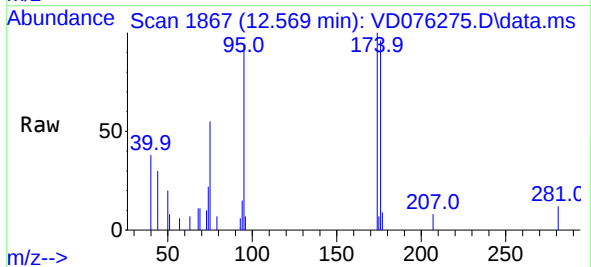
Instrument :
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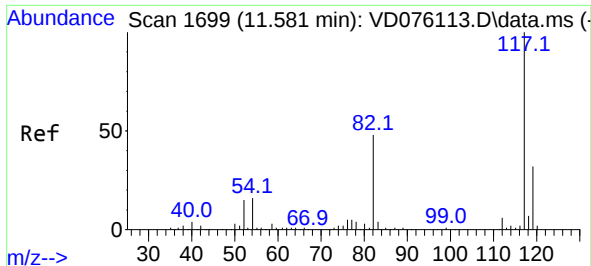
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.8#



#62
4-Bromofluorobenzene
Concen: 45.413 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 95 Resp: 4715
Ion Ratio Lower Upper
95 100
174 111.3 0.0 164.0
176 101.7 0.0 156.8

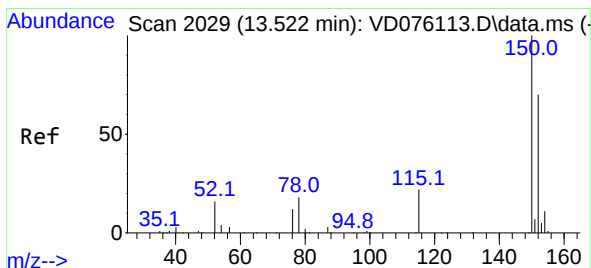
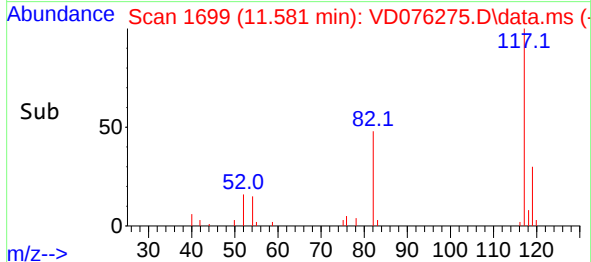
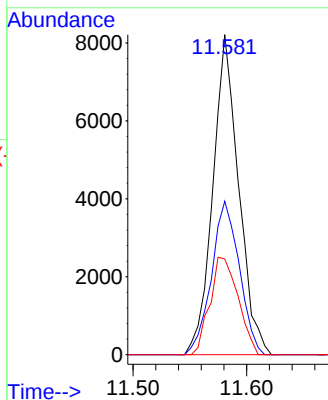
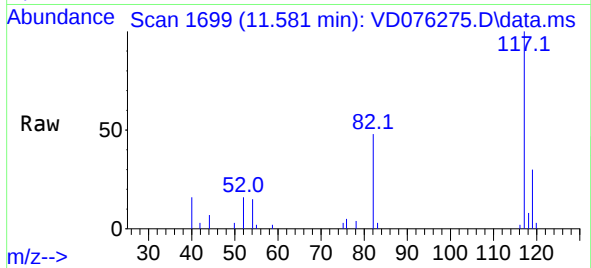




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

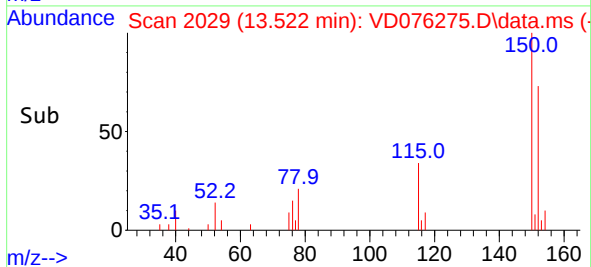
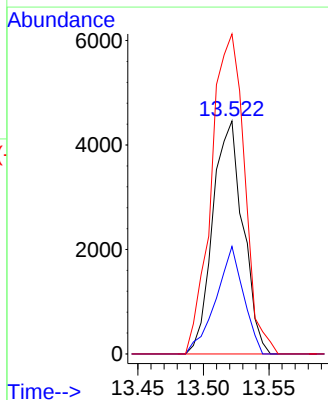
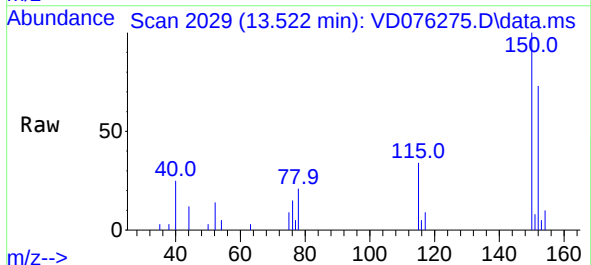
Instrument :
MSVOA_D
ClientSampleId :
SB16

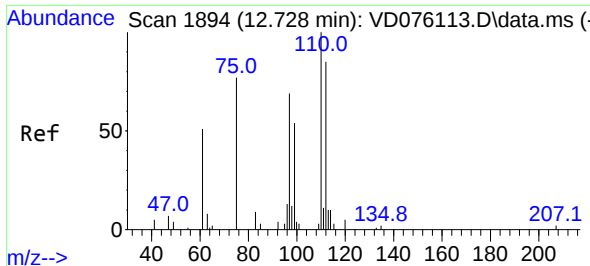
Tgt Ion:117	Resp:	12963
Ion	Ratio	Lower Upper
117	100	
82	47.9	44.0 66.0
119	29.9	25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion:152	Resp:	7155
Ion	Ratio	Lower Upper
152	100	
115	42.2	30.1 90.3
150	150.4	0.0 364.8

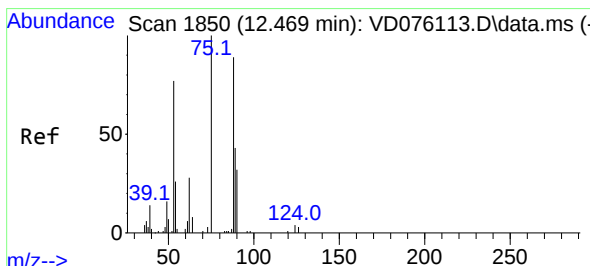
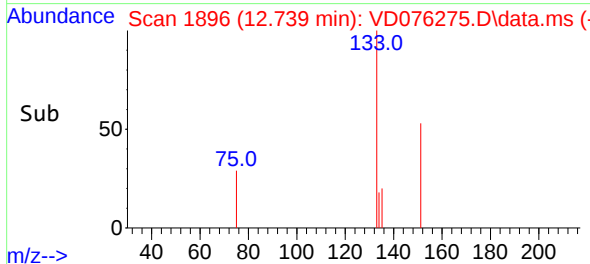
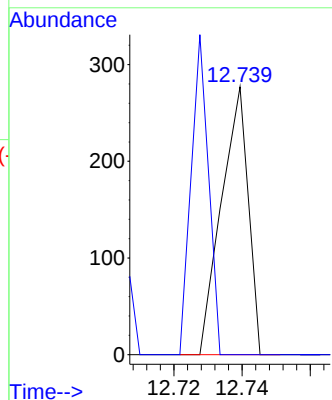
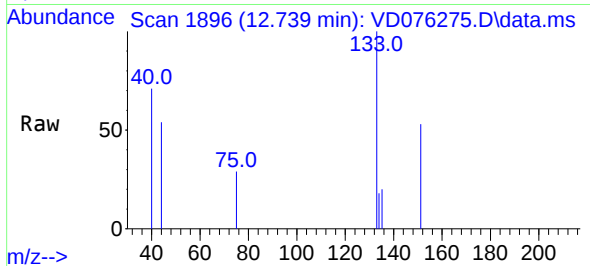




#76
1,2,3-Trichloropropane
Concen: 2.412 ug/l
RT: 12.739 min Scan# 1896
Delta R.T. 0.011 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

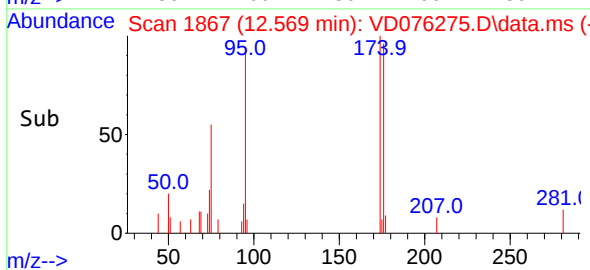
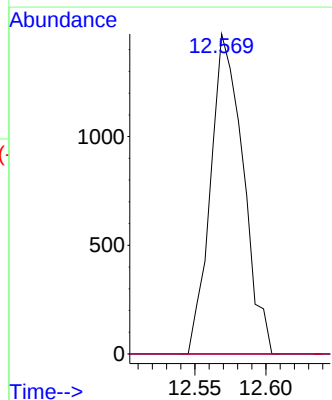
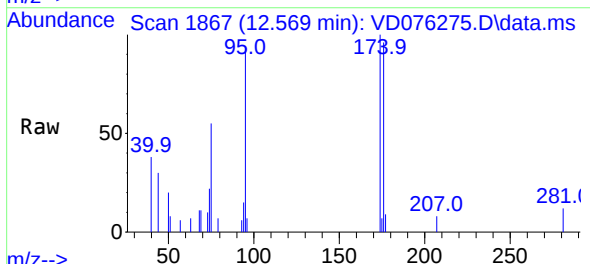
Instrument :
MSVOA_D
ClientSampleId :
SB16

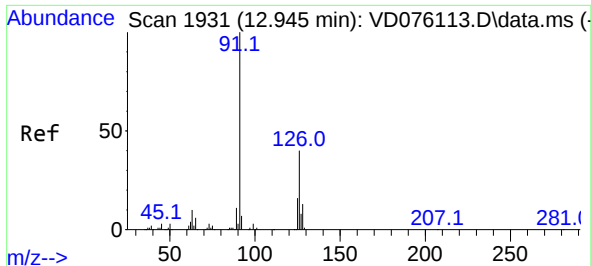
Tgt Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
77 77.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.603 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 75 Resp: 2346
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

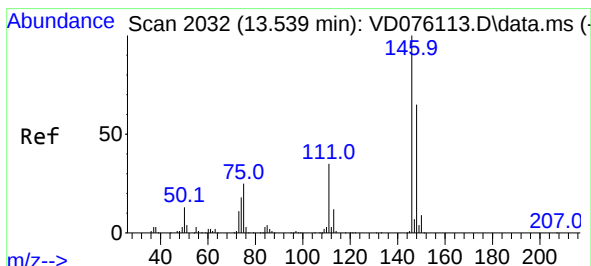
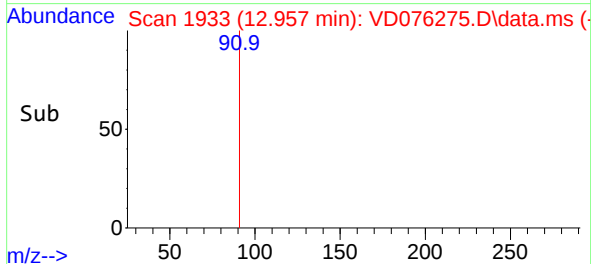
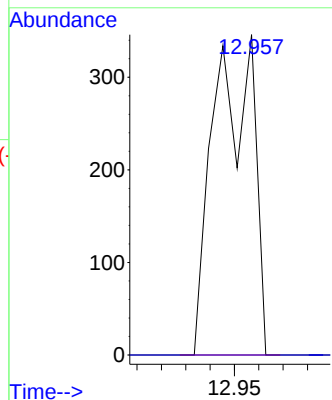
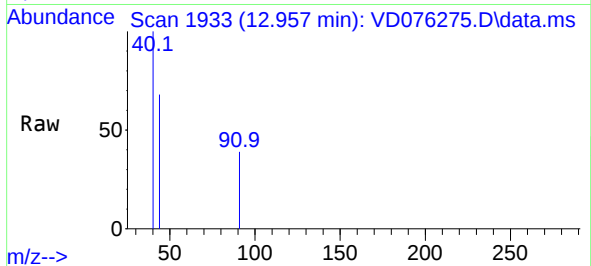




#82
4-Chlorotoluene
Concen: 1.124 ug/l
RT: 12.957 min Scan# 1933
Delta R.T. 0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

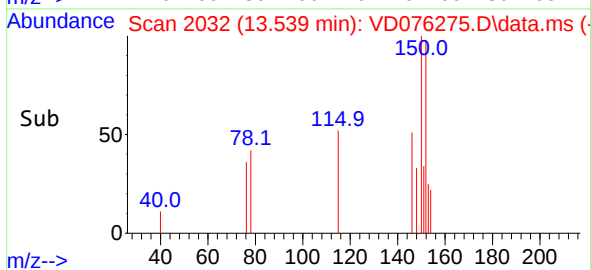
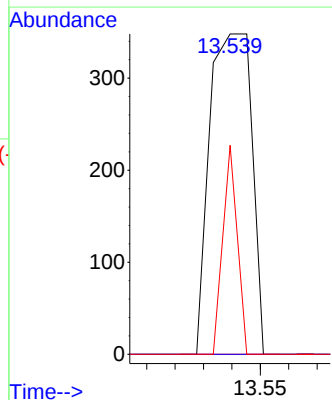
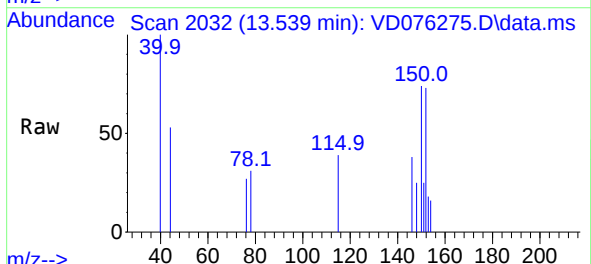
Instrument :
MSVOA_D
ClientSampleId :
SB16

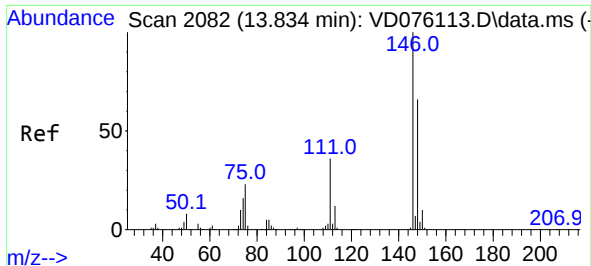
Tgt Ion: 91 Resp: 390
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



#88
1,4-Dichlorobenzene
Concen: 1.410 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion: 146 Resp: 358
Ion Ratio Lower Upper
146 100
111 0.0 19.6 58.8#
148 22.3 31.7 95.1#





#91

1,2-Dichlorobenzene

Concen: 1.155 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD076275.D

Acq: 30 May 2023 15:30

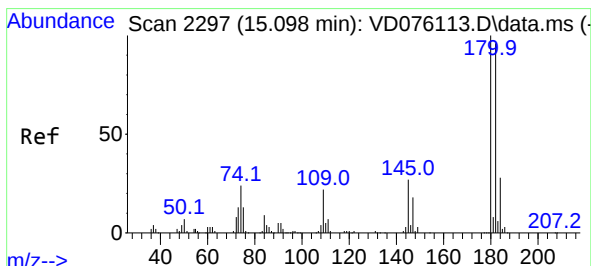
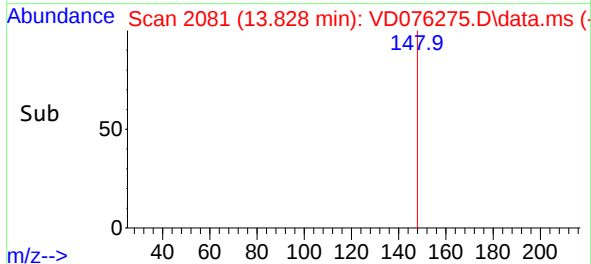
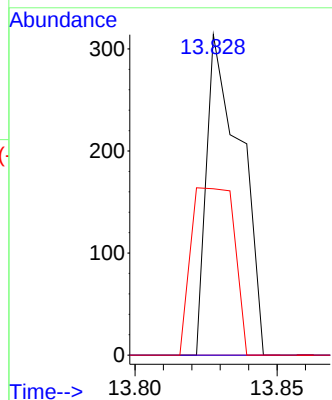
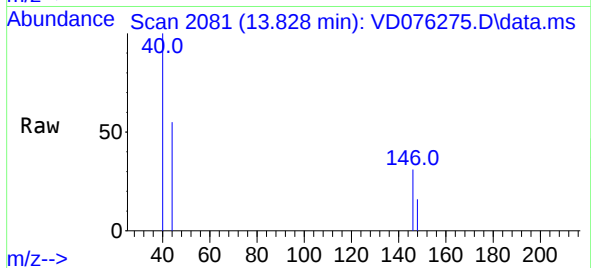
Instrument :

MSVOA_D

ClientSampleId :

SB16

Tgt Ion:146	Resp:	260
Ion Ratio	Lower	Upper
146	100	
111	0.0	20.6 61.8#
148	66.2	32.0 96.2



#93

1,2,4-Trichlorobenzene

Concen: 1.657 ug/l

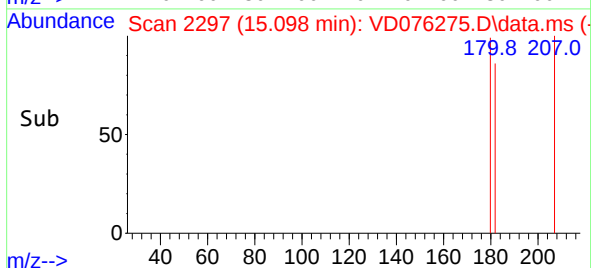
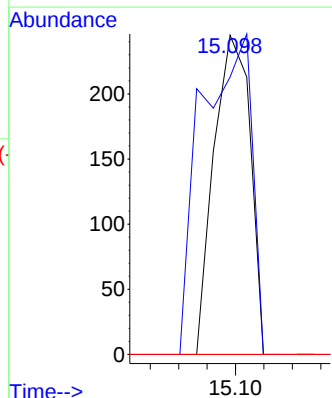
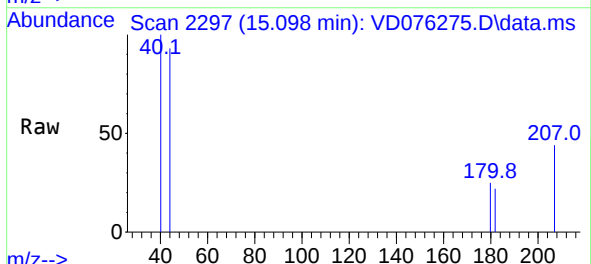
RT: 15.098 min Scan# 2297

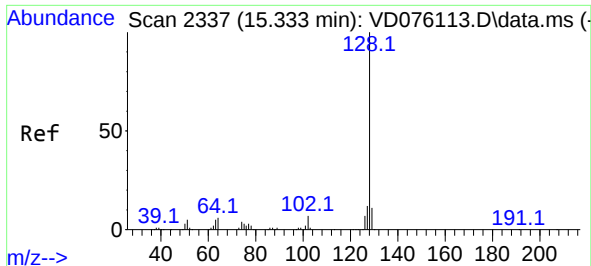
Delta R.T. -0.006 min

Lab File: VD076275.D

Acq: 30 May 2023 15:30

Tgt Ion:180	Resp:	217
Ion Ratio	Lower	Upper
180	100	
182	138.7	47.9 143.7
145	0.0	15.9 47.7#

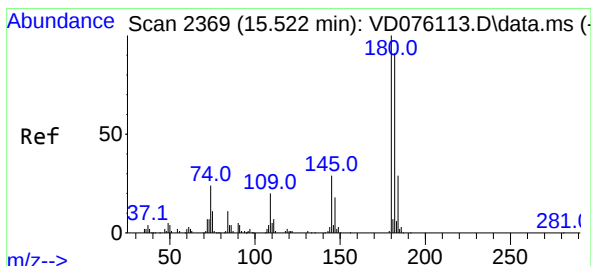
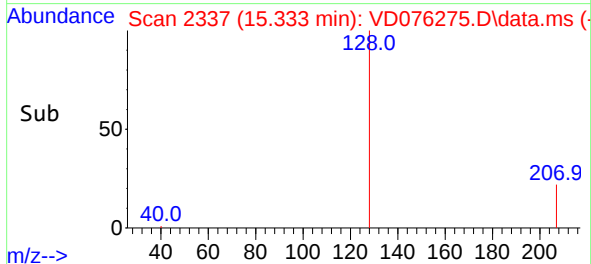
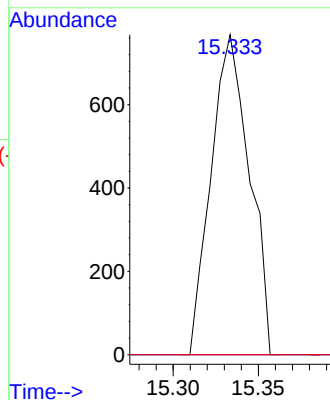
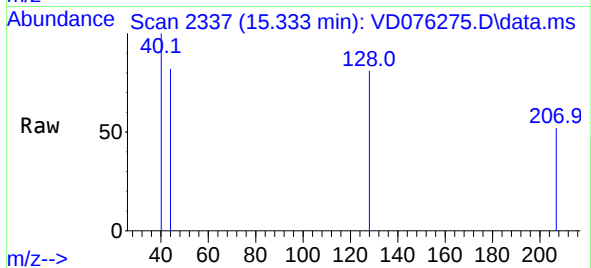




#95
Naphthalene
Concen: 4.941 ug/l
RT: 15.333 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Instrument :
MSVOA_D
ClientSampleId :
SB16

Tgt Ion:128 Resp: 1202
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: 1.822 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD076275.D
Acq: 30 May 2023 15:30

Tgt Ion:180 Resp: 217
Ion Ratio Lower Upper
180 100
182 162.7 47.7 143.1#
145 0.0 16.4 49.4#

