

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076658.D
 Acq On : 30 Jun 2023 13:15
 Operator : KP/SY
 Sample : 03472-13
 Misc : 4.43G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S5

Quant Time: Jul 03 01:30:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jun 16 01:50:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	383377	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	319468	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	129248	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	105370	11.286	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.160%
7) Chloroethane-d5	2.793	69	107038	14.179	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.720%
11) 1,1-Dichloroethene-d2	3.916	65	35766	14.676	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.720%
21) 2-Butanone-d5	6.987	46	73654	52.090	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.180%
24) Chloroform-d	7.569	84	191518	18.961	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.840%
26) 1,2-Dichloroethane-d4	8.387	65	185	0.037	ug/L	0.16
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.160%#
32) Benzene-d6	8.199	84	344838	17.646	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	70.600%
36) 1,2-Dichloropropane-d6	9.210	67	125878	20.180	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.720%
41) Toluene-d8	10.269	98	308352	17.041	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	68.160%
43) trans-1,3-Dichloroprop...	10.528	79	48894	18.845	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.360%
47) 2-Hexanone-d5	10.875	63	54150	55.923	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.840%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	106590	24.018	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.080%
66) 1,2-Dichlorobenzene-d4	13.816	152	92809	19.590	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.360%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.281	62	58723	5.481	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	211920	42.176	ug/L	98
12) 1,1-Dichloroethene	3.934	96	2979	0.599	ug/L #	1
14) Carbon disulfide	4.263	76	13322	0.739	ug/L	97
16) Methylene chloride	4.799	84	7568	1.136	ug/L	76
17) trans-1,2-Dichloroethene	5.305	96	4354	0.785	ug/L	85
19) 1,1-Dichloroethane	6.110	63	82835	8.168	ug/L	99
20) cis-1,2-Dichloroethene	7.081	96	587688	94.863	ug/L	98
25) Chloroform	7.593	83	8657	0.875	ug/L	96
27) 1,2-Dichloroethane	8.328	62	9567	1.572	ug/L	96
30) 1,1,1-Trichloroethane	7.793	97	434499	58.545	ug/L	99
34) Trichloroethene	9.028	95	33714	6.207	ug/L	96
37) 1,2-Dichloropropane	9.216	63	14321	2.484	ug/L #	91
44) trans-1,3-Dichloropropene	10.522	75	2861	0.400	ug/L #	36
46) Tetrachloroethene	10.810	164	270523	63.355	ug/L	94
65) 1,4-Dichlorobenzene	13.534	146	5132	0.579	ug/L #	69
67) 1,2-Dichlorobenzene	13.834	146	266191	33.974	ug/L	98
69) 1,3,5-Trichlorobenzene	15.098	180	5957	1.015	ug/L #	93
70) 1,2,4-trichlorobenzene	15.098	180	5957	1.141	ug/L #	93

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Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

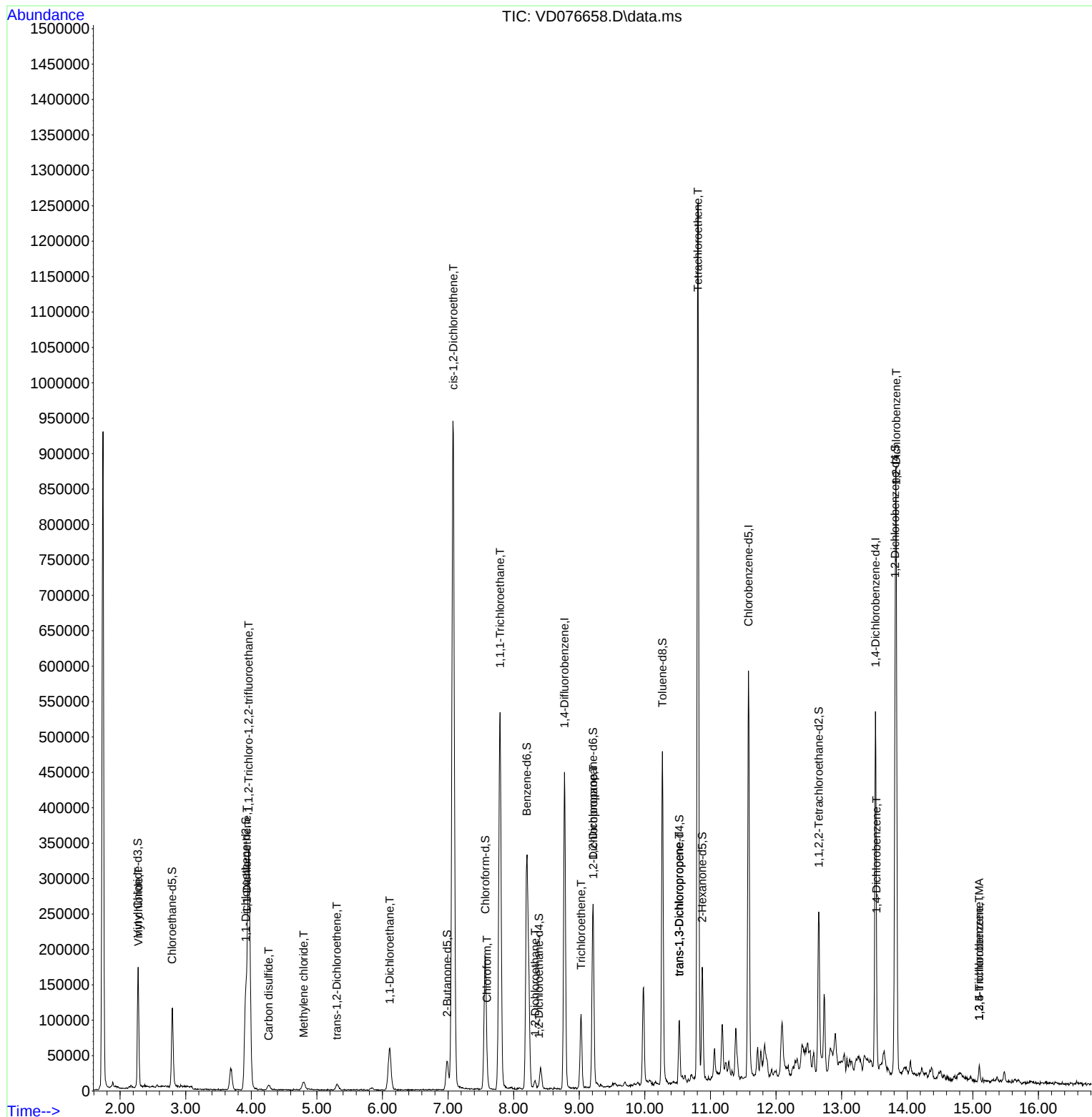
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

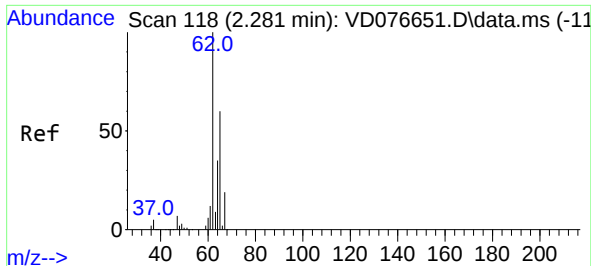
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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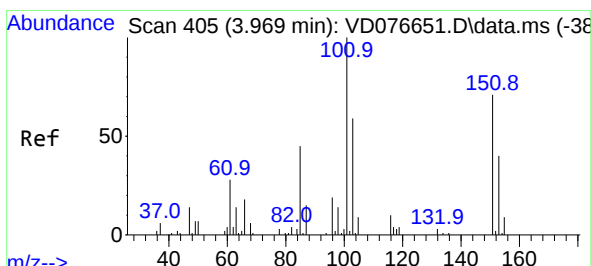
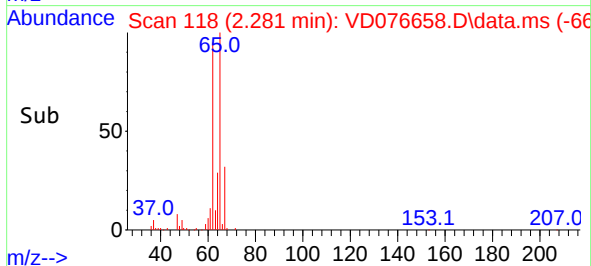
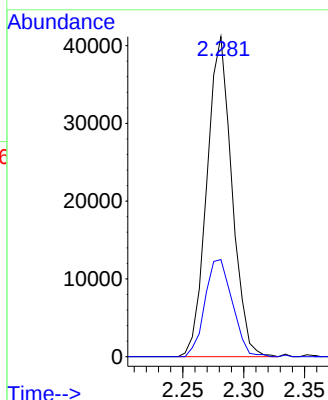
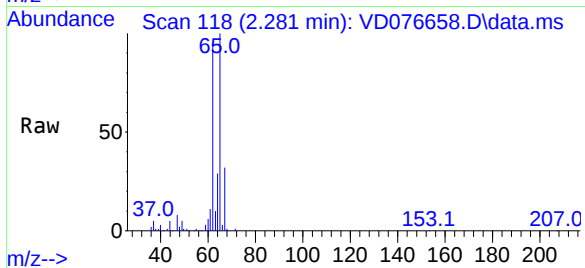




#5
Vinyl chloride
Concen: 5.481 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

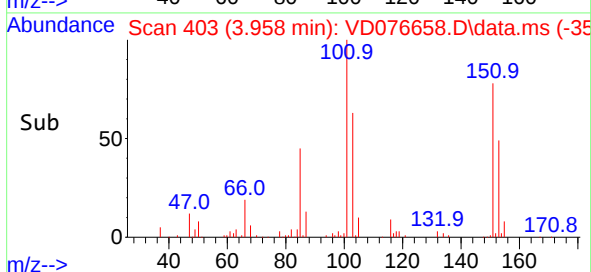
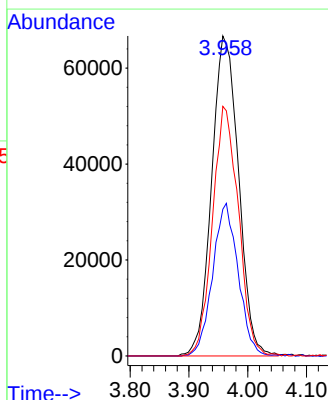
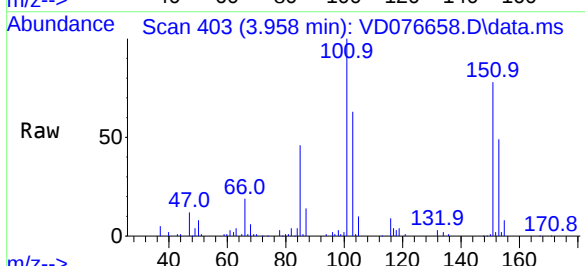
Instrument :
MSVOA_D
ClientSampleId :
A46S5

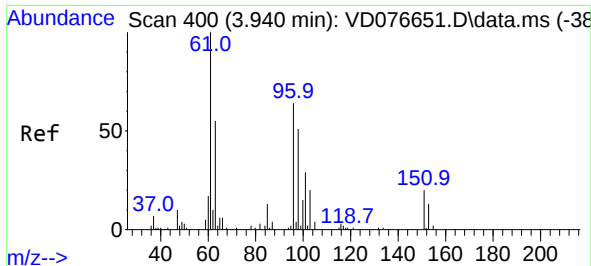
Tgt Ion: 62 Resp: 58723
Ion Ratio Lower Upper
62 100
64 30.4 21.1 39.1



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.176 ug/L
RT: 3.958 min Scan# 403
Delta R.T. -0.000 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion: 101 Resp: 211920
Ion Ratio Lower Upper
101 100
85 45.3 35.5 53.3
151 75.0 58.6 87.8

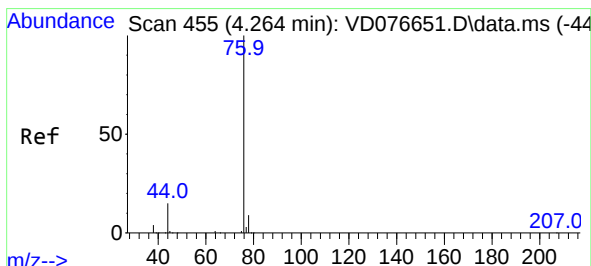
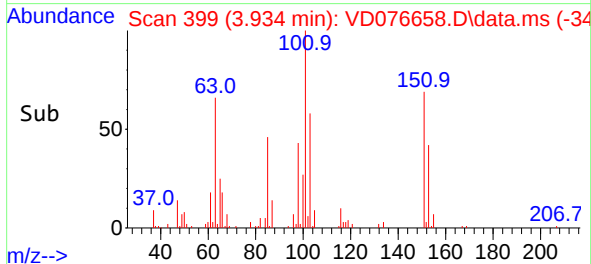
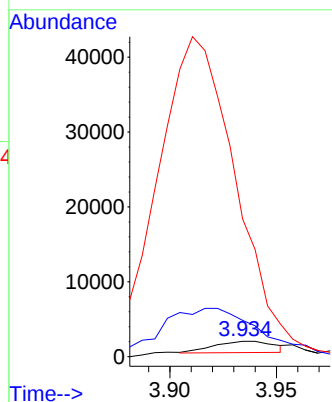
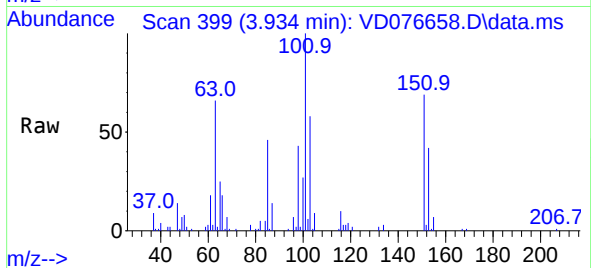




#12
1,1-Dichloroethene
Concen: 0.599 ug/L
RT: 3.934 min Scan# 399
Delta R.T. 0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

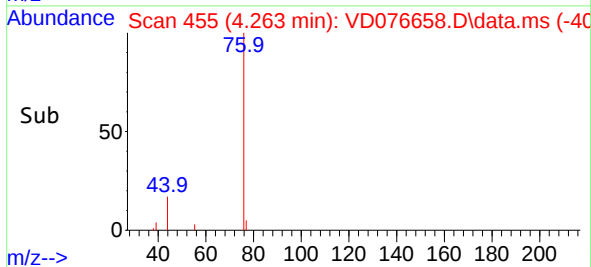
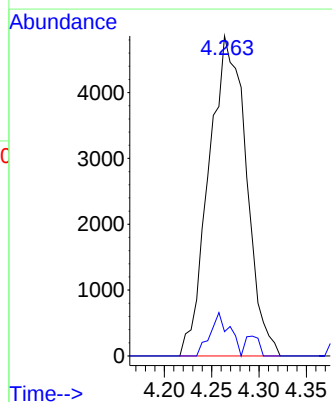
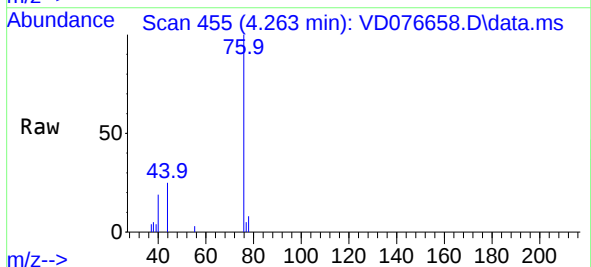
Instrument :
MSVOA_D
ClientSampleId :
A46S5

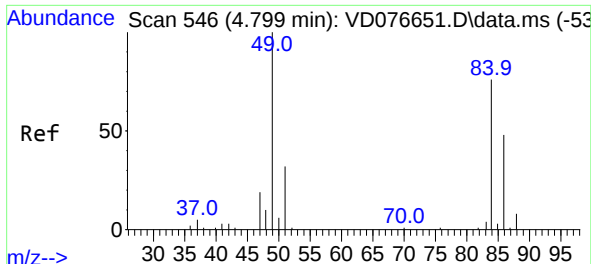
Tgt Ion: 96 Resp: 2979
Ion Ratio Lower Upper
96 100
61 236.0 113.0 209.8#
63 893.2 83.6 155.2#



#14
Carbon disulfide
Concen: 0.739 ug/L
RT: 4.263 min Scan# 455
Delta R.T. -0.000 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion: 76 Resp: 13322
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4

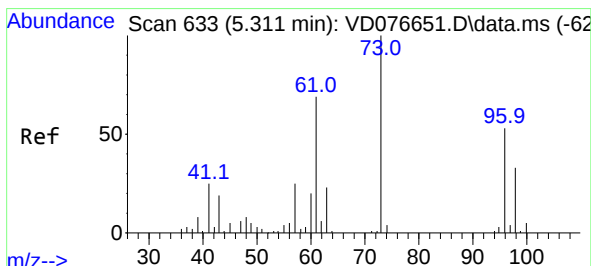
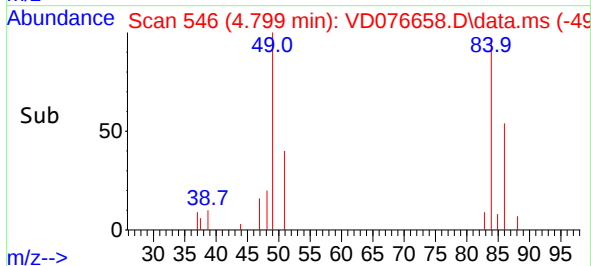
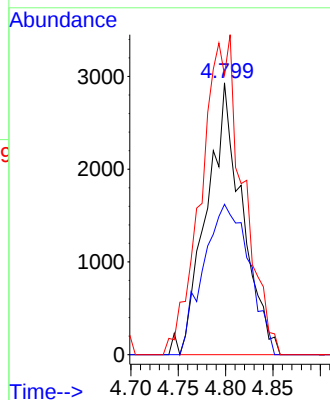
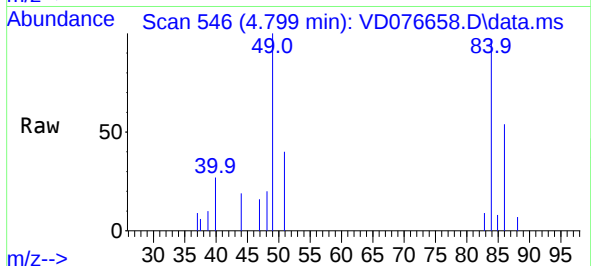




#16
Methylene chloride
Concen: 1.136 ug/L
RT: 4.799 min Scan# 54
Delta R.T. 0.012 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

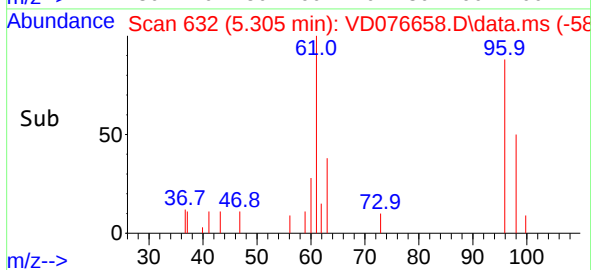
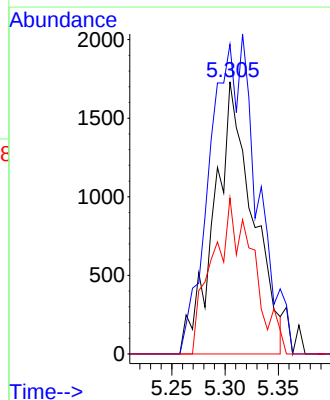
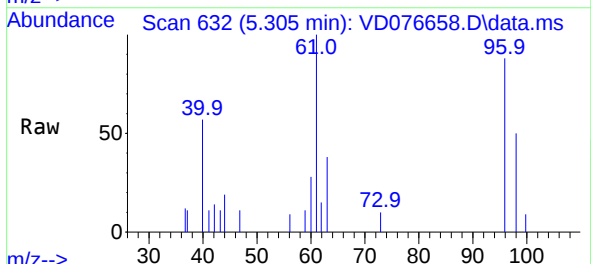
Instrument :
MSVOA_D
ClientSampleId :
A46S5

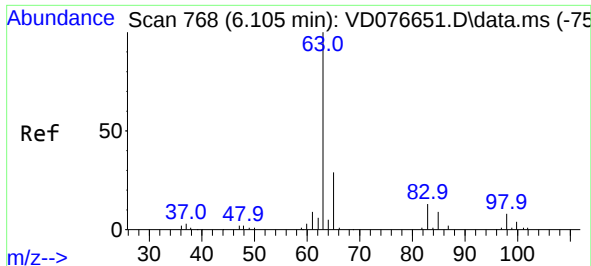
Tgt Ion: 84	Resp:	7568	
Ion	Ratio	Lower	Upper
84	100		
86	55.3	45.1	83.9
49	102.9	97.2	180.6



#17
trans-1,2-Dichloroethene
Concen: 0.785 ug/L
RT: 5.305 min Scan# 632
Delta R.T. -0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion: 96	Resp:	4354	
Ion	Ratio	Lower	Upper
96	100		
61	113.7	94.5	175.5
98	57.3	46.0	85.4

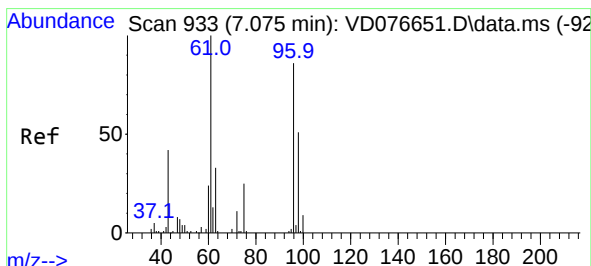
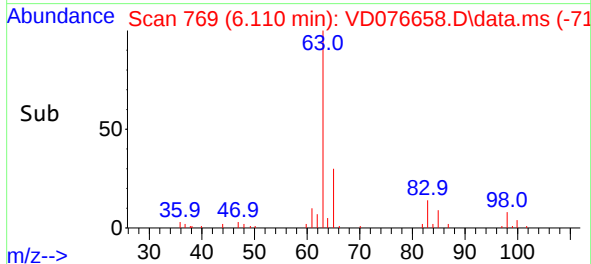
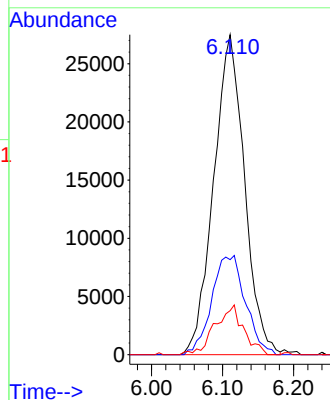
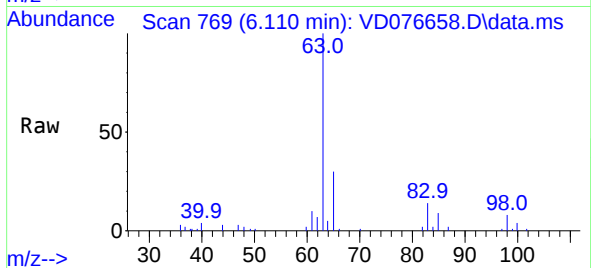




#19
1,1-Dichloroethane
Concen: 8.168 ug/L
RT: 6.110 min Scan# 768
Delta R.T. 0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

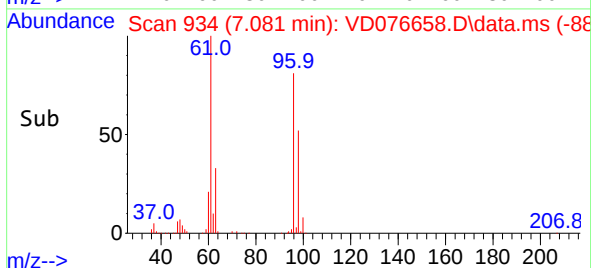
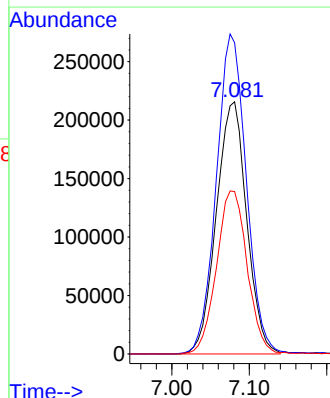
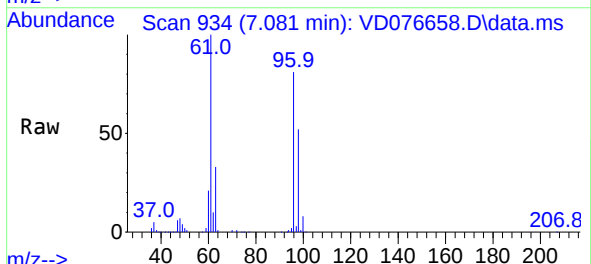
Instrument :
MSVOA_D
ClientSampleId :
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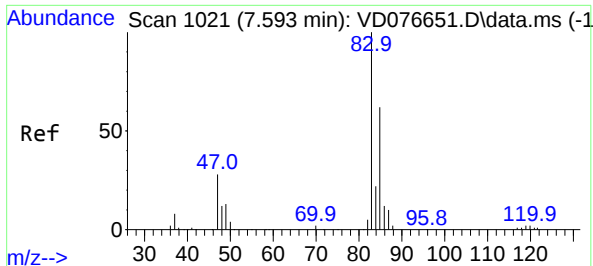
Tgt Ion: 63 Resp: 82835
Ion Ratio Lower Upper
63 100
65 29.7 20.8 38.6
83 13.8 8.9 16.5



#20
cis-1,2-Dichloroethene
Concen: 94.863 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion: 96 Resp: 587688
Ion Ratio Lower Upper
96 100
61 123.4 86.0 159.6
98 64.4 42.2 78.4

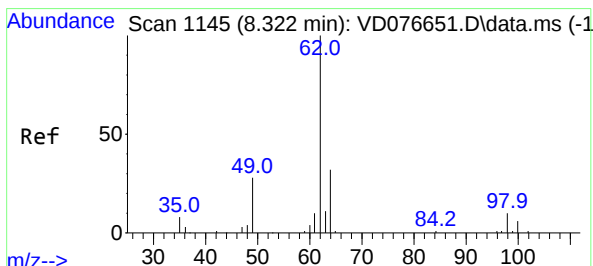
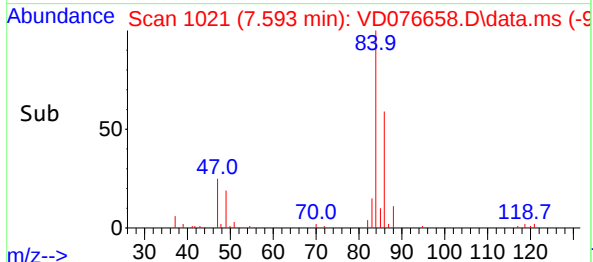
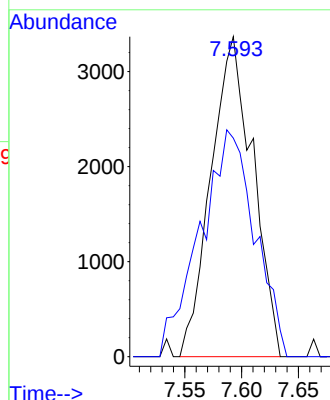
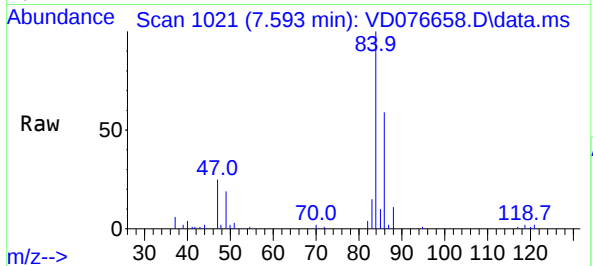




#25
Chloroform
Concen: 0.875 ug/L
RT: 7.593 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

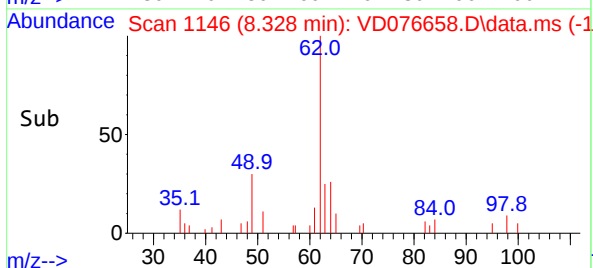
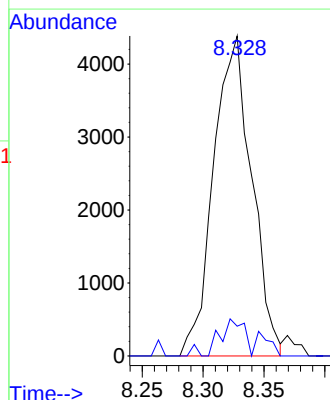
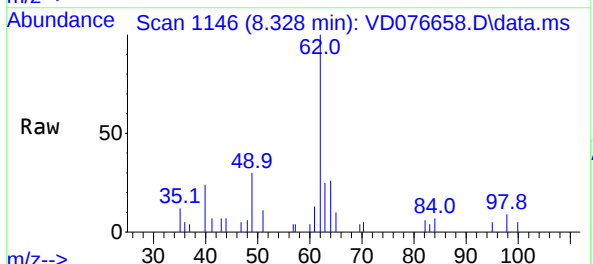
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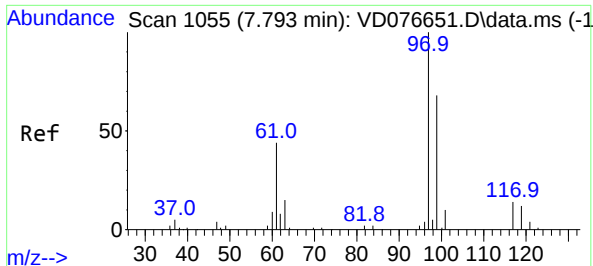
Tgt Ion: 83 Resp: 8657
Ion Ratio Lower Upper
83 100
85 68.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.572 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion: 62 Resp: 9567
Ion Ratio Lower Upper
62 100
98 9.3 8.7 13.1



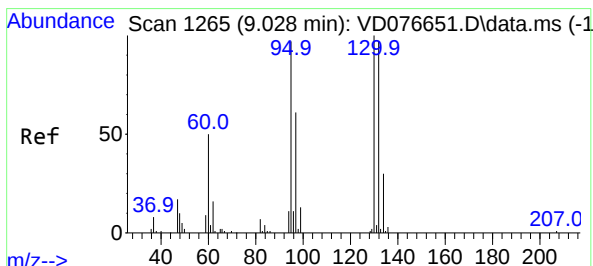
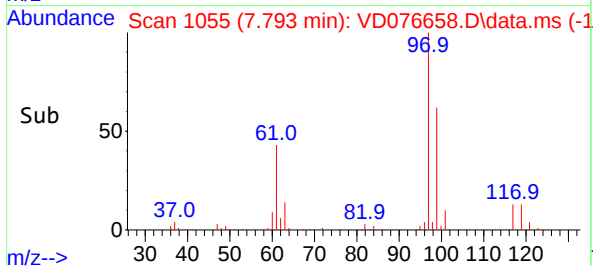
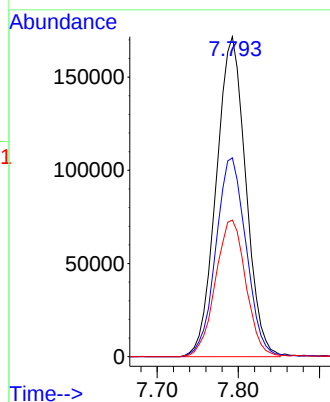
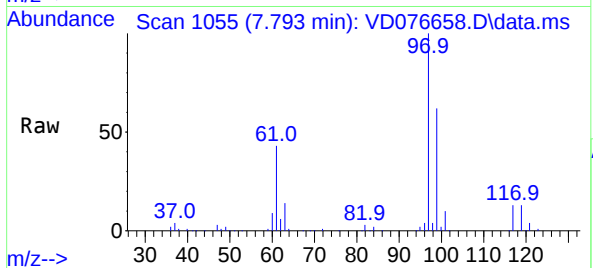


#30
1,1,1-Trichloroethane
Concen: 58.545 ug/L
RT: 7.793 min Scan# 1055
Delta R.T. 0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Instrument :
MSVOA_D
ClientSampleId :
A46S5

Tgt Ion: 97 Resp: 434499

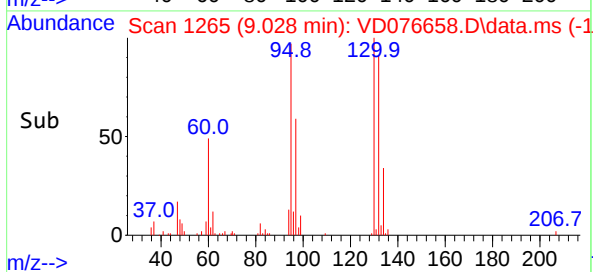
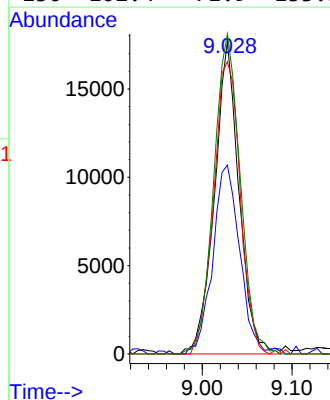
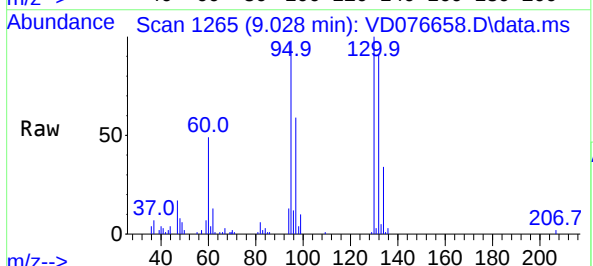
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	44.0	36.4	54.6

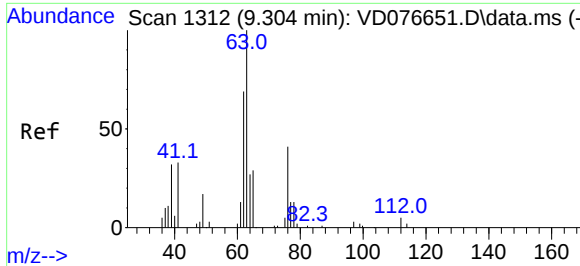


#34
Trichloroethene
Concen: 6.207 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. -0.000 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion: 95 Resp: 33714

Ion	Ratio	Lower	Upper
95	100		
97	60.5	43.1	80.1
132	93.6	71.8	133.4
130	102.4	71.9	133.5

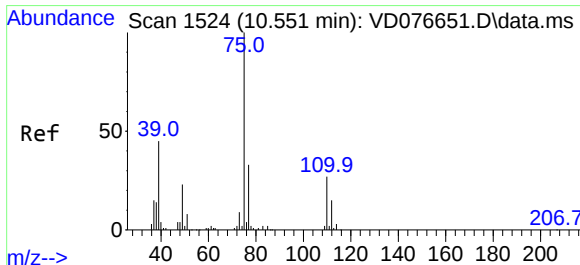
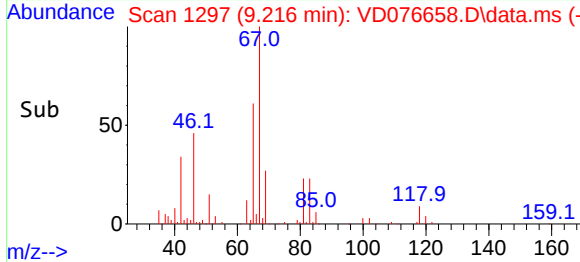
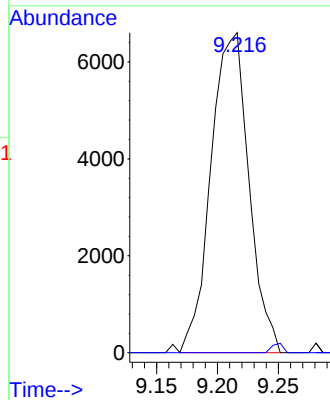
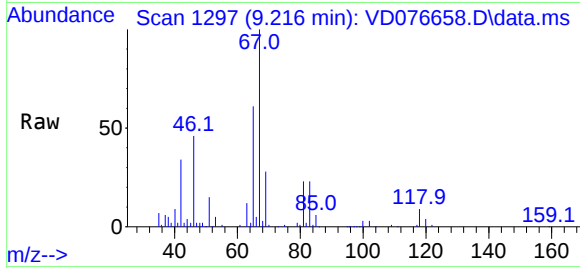




#37
1,2-Dichloropropane
Concen: 2.484 ug/L
RT: 9.216 min Scan# 11
Delta R.T. -0.088 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

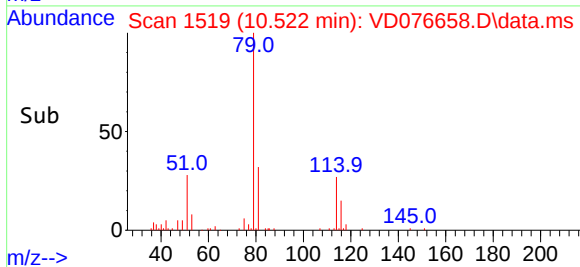
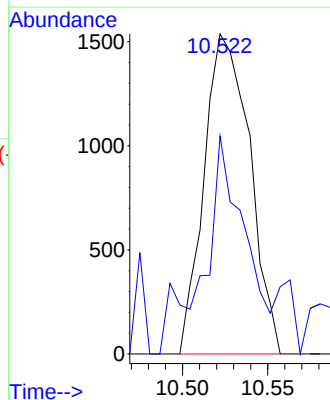
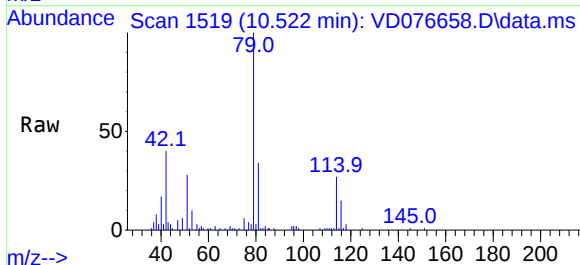
Instrument :
MSVOA_D
ClientSampleId :
A46S5

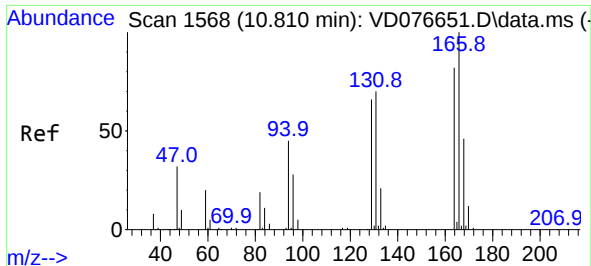
Tgt Ion: 63 Resp: 14321
Ion Ratio Lower Upper
63 100
112 0.9 3.1 4.7#



#44
trans-1,3-Dichloropropene
Concen: 0.400 ug/L
RT: 10.522 min Scan# 1519
Delta R.T. -0.030 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion: 75 Resp: 2861
Ion Ratio Lower Upper
75 100
77 68.1 22.5 41.7#

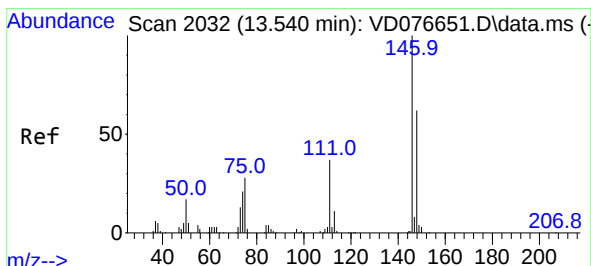
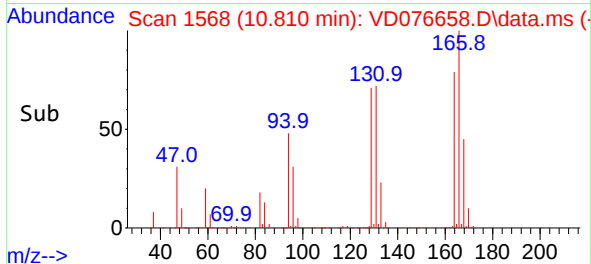
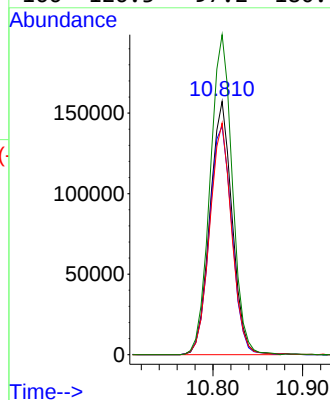
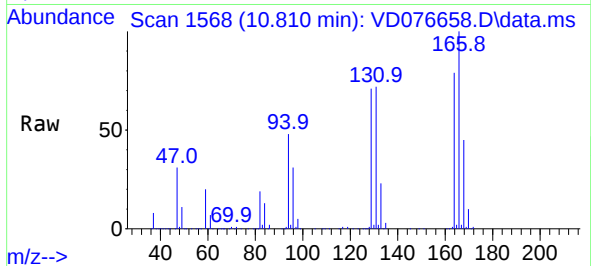




#46
Tetrachloroethene
Concen: 63.355 ug/L
RT: 10.810 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

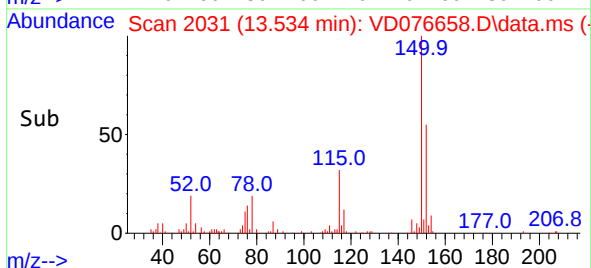
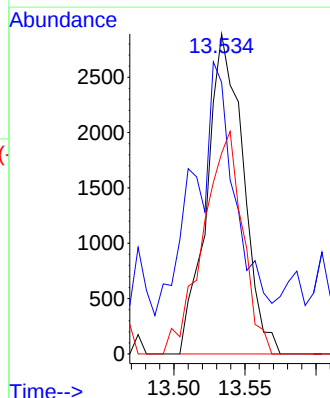
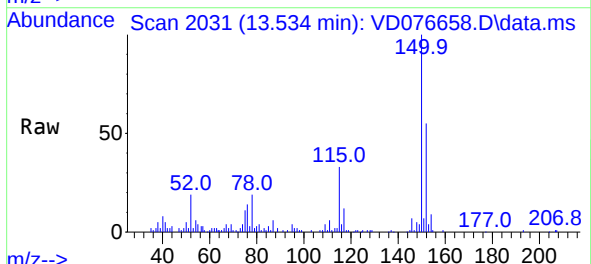
Instrument :
MSVOA_D
ClientSampleId :
A46S5

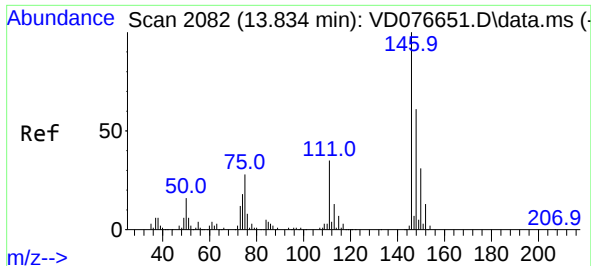
Tgt Ion:164 Resp: 270523
Ion Ratio Lower Upper
164 100
129 90.3 65.5 121.6
131 91.5 64.8 120.3
166 126.3 97.2 180.4



#65
1,4-Dichlorobenzene
Concen: 0.579 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076658.D
Acq: 30 Jun 2023 13:15

Tgt Ion:146 Resp: 5132
Ion Ratio Lower Upper
146 100
111 84.8 25.7 47.7#
148 62.7 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 33.974 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VD076658.D

Acq: 30 Jun 2023 13:15

Instrument :

MSVOA_D

ClientSampleId :

A46S5

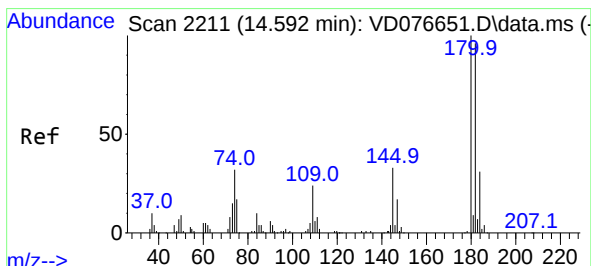
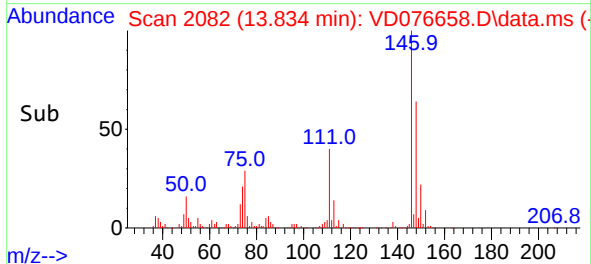
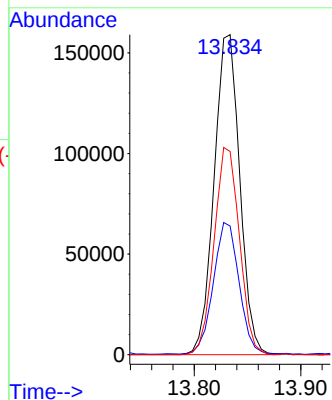
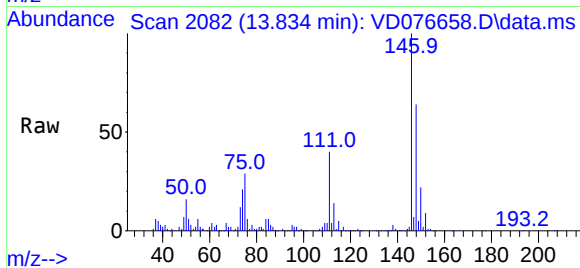
Tgt Ion:146 Resp: 266191

Ion Ratio Lower Upper

146 100

111 40.2 31.3 46.9

148 63.5 51.7 77.5



#69

1,3,5-Trichlorobenzene

Concen: 1.015 ug/L

RT: 15.098 min Scan# 2297

Delta R.T. 0.506 min

Lab File: VD076658.D

Acq: 30 Jun 2023 13:15

Tgt Ion:180 Resp: 5957

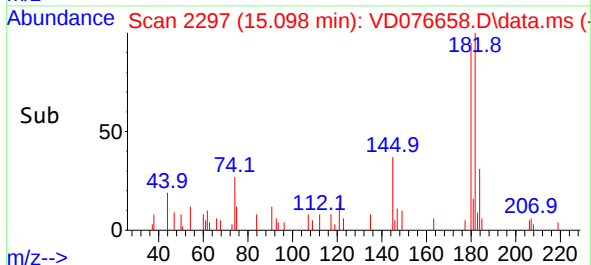
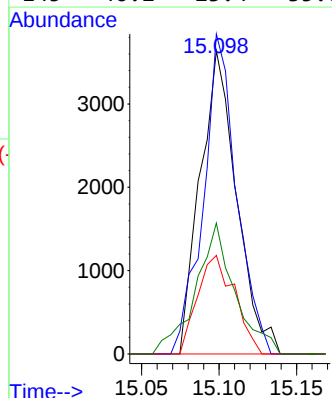
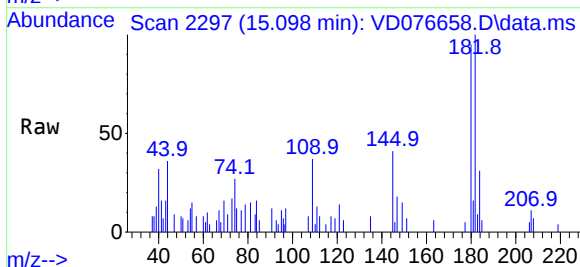
Ion Ratio Lower Upper

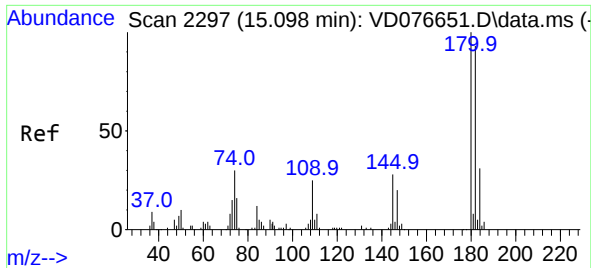
180 100

182 96.1 77.1 115.7

184 32.9 25.0 37.4

145 46.2 23.4 35.0#





#70
 1,2,4-trichlorobenzene
 Concen: 1.141 ug/L
 RT: 15.098 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD076658.D
 Acq: 30 Jun 2023 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S5

Tgt Ion:180 Resp: 5957
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.9 115.3
 145 46.2 23.5 35.3#

