

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD063023\
 Data File : VD076659.D
 Acq On : 30 Jun 2023 13:41
 Operator : KP/SY
 Sample : 03472-14
 Misc : 5.40G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46S7

Quant Time: Jul 03 01:30:22 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	389221	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	312807	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	124153	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	109955	11.600	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.400%
7) Chloroethane-d5	2.799	69	112127	14.630	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.520%
11) 1,1-Dichloroethene-d2	3.917	65	37336	15.090	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.360%
21) 2-Butanone-d5	6.987	46	71719	49.960	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.920%
24) Chloroform-d	7.569	84	202884	19.785	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.160%
26) 1,2-Dichloroethane-d4	8.228	65	112428	22.224	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.880%
32) Benzene-d6	8.199	84	372351	19.459	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	77.840%
36) 1,2-Dichloropropane-d6	9.205	67	131706	21.563	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.240%
41) Toluene-d8	10.269	98	321148	18.126	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.520%
43) trans-1,3-Dichloroprop...	10.522	79	50157	19.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.960%
47) 2-Hexanone-d5	10.875	63	54658	57.649	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.300%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	111329	25.620	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.480%
66) 1,2-Dichlorobenzene-d4	13.816	152	94781	20.828	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.320%
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.281	62	34828	3.202	ug/L	90
8) Chloroethane	2.834	64	19883	2.984	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	8377	1.642	ug/L #	89
19) 1,1-Dichloroethane	6.111	63	218668	21.238	ug/L	97
20) cis-1,2-Dichloroethene	7.063	96	3168	0.504	ug/L #	76
25) Chloroform	7.599	83	9550	0.950	ug/L #	74
27) 1,2-Dichloroethane	8.322	62	2667	0.432	ug/L #	82
29) Cyclohexane	7.881	56	3680	0.442	ug/L #	56
30) 1,1,1-Trichloroethane	7.787	97	46465	6.394	ug/L	99
31) Carbon tetrachloride	7.787	117	5744	0.988	ug/L	88
37) 1,2-Dichloropropane	9.210	63	14843	2.630	ug/L #	88
48) 2-Hexanone	10.875	43	8877	3.691	ug/L #	65
52) Ethylbenzene	11.681	91	28224	1.184	ug/L	91
53) m,p-Xylene	11.799	106	3527	0.376	ug/L	97
54) o-Xylene	12.122	106	13428	1.505	ug/L	97
60) Isopropylbenzene	12.422	105	6521	0.343	ug/L #	90
63) 1,2,4-Trimethylbenzene	13.210	105	5314	0.354	ug/L	99
67) 1,2-Dichlorobenzene	13.828	146	6401	0.850	ug/L #	74

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Quant Time: Jul 03 01:30:22 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

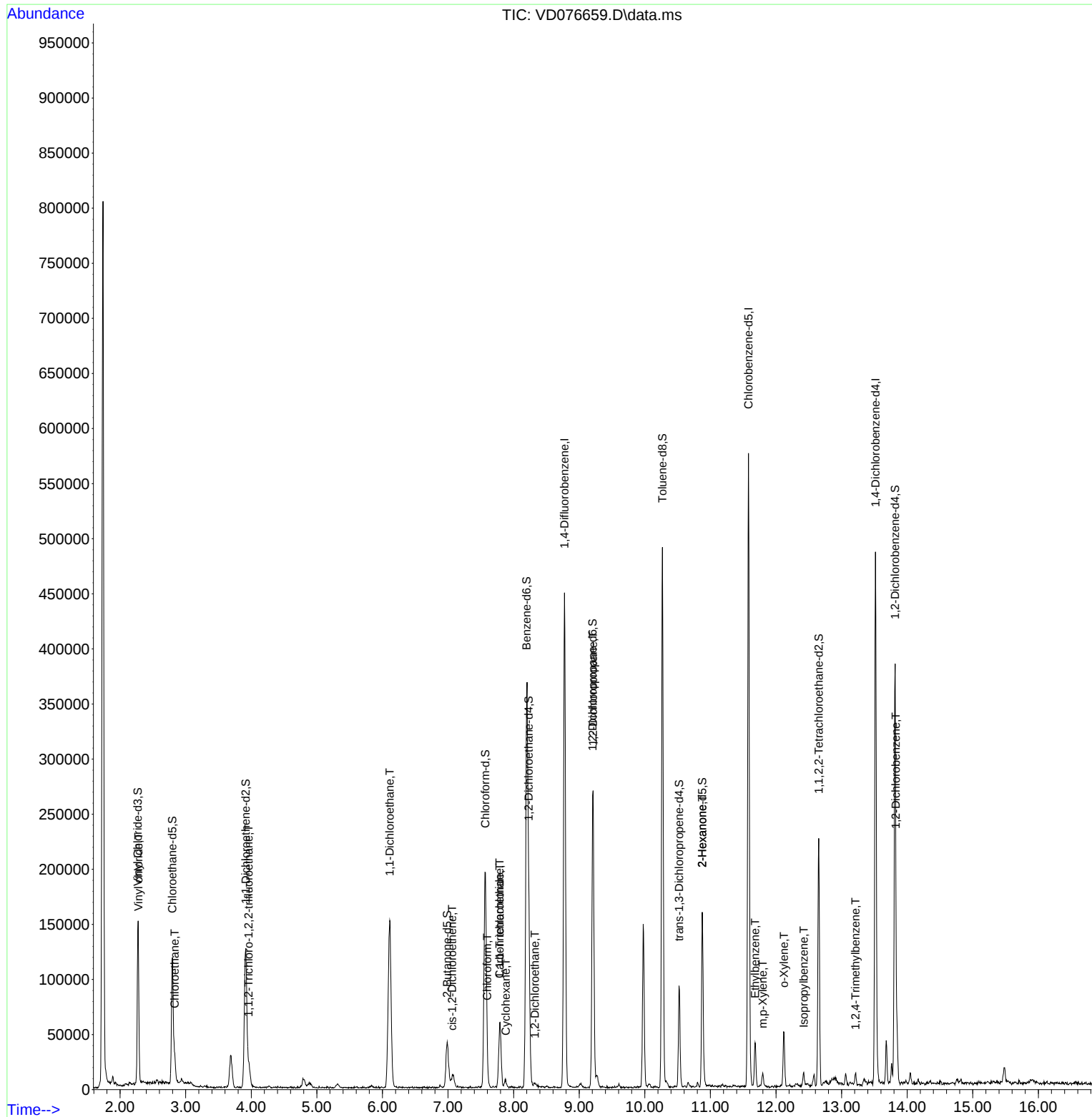
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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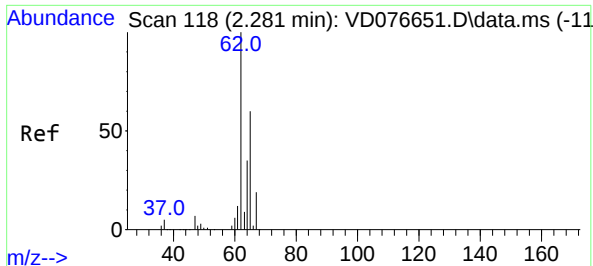
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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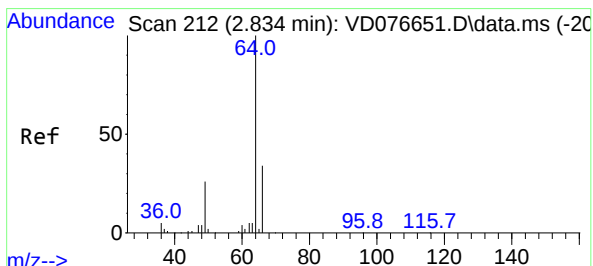
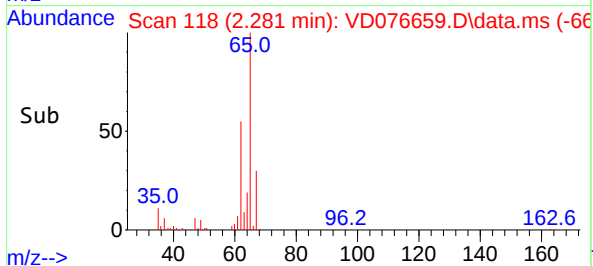
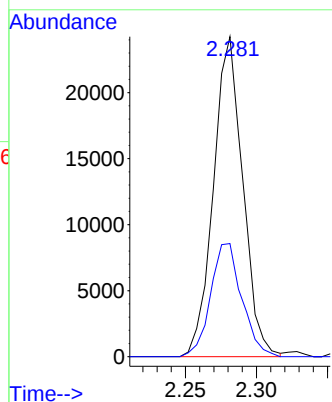
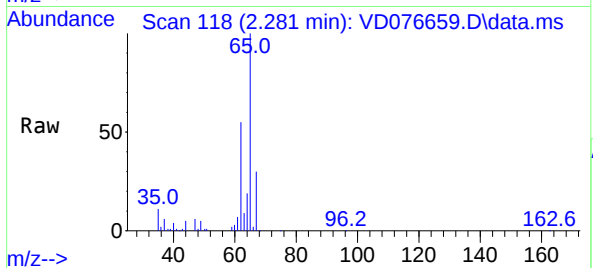




#5
 Vinyl chloride
 Concen: 3.202 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.006 min
 Lab File: VD076659.D
 Acq: 30 Jun 2023 13:41

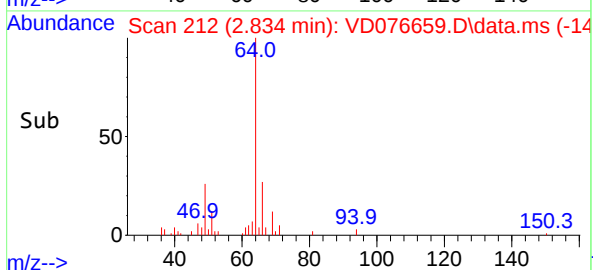
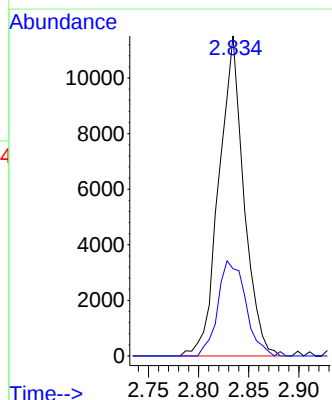
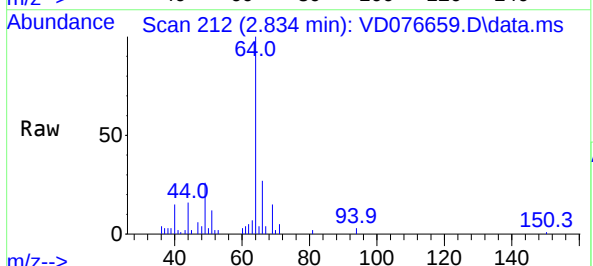
Instrument :
 MSVOA_D
 ClientSampleId :
 A46S7

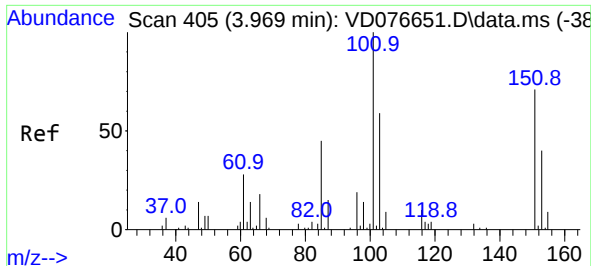
Tgt Ion: 62 Resp: 34828
 Ion Ratio Lower Upper
 62 100
 64 35.4 21.1 39.1



#8
 Chloroethane
 Concen: 2.984 ug/L
 RT: 2.834 min Scan# 212
 Delta R.T. 0.000 min
 Lab File: VD076659.D
 Acq: 30 Jun 2023 13:41

Tgt Ion: 64 Resp: 19883
 Ion Ratio Lower Upper
 64 100
 66 27.3 22.1 41.1

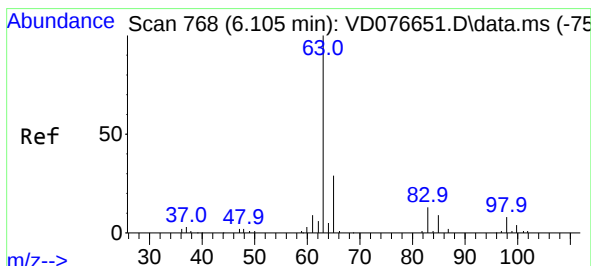
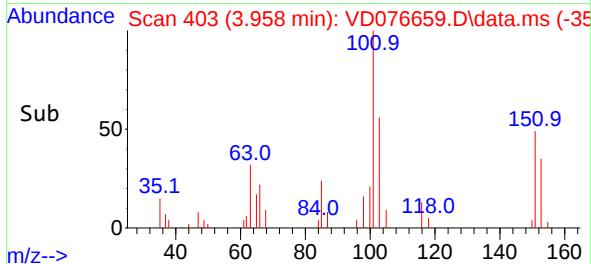
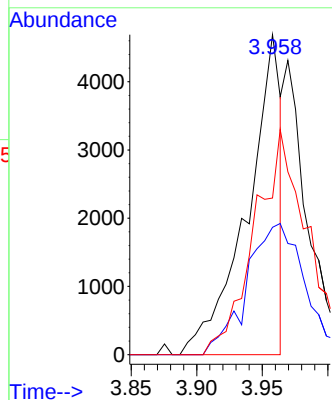
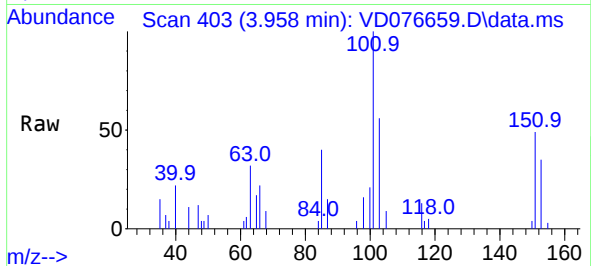




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.642 ug/L
RT: 3.958 min Scan# 405
Delta R.T. 0.000 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

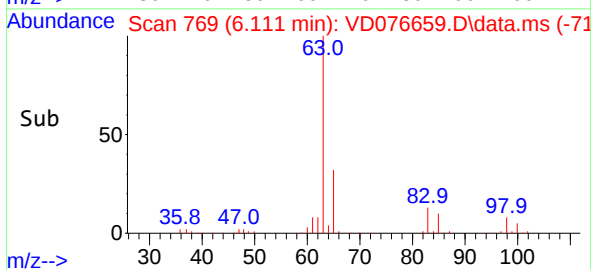
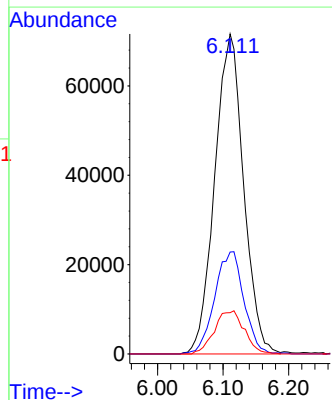
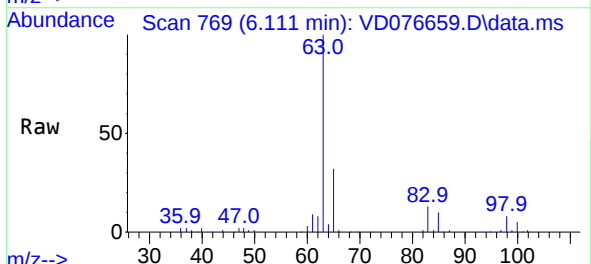
Instrument :
MSVOA_D
ClientSampleId :
A46S7

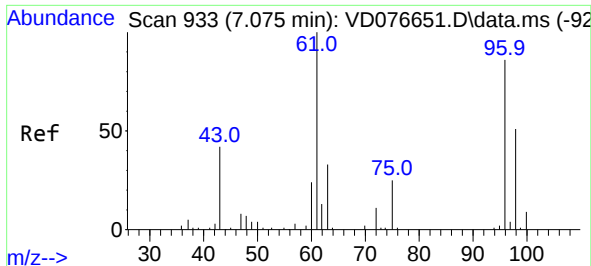
Tgt Ion:101 Resp: 8377
Ion Ratio Lower Upper
101 100
85 61.4 35.5 53.3#
151 71.2 58.6 87.8



#19
1,1-Dichloroethane
Concen: 21.238 ug/L
RT: 6.111 min Scan# 769
Delta R.T. 0.006 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

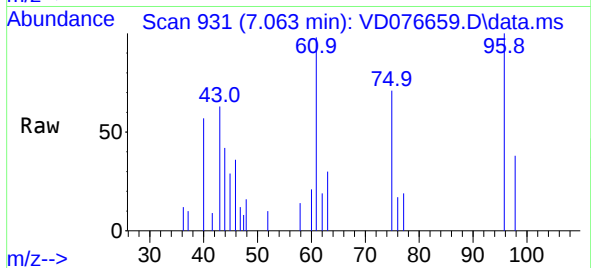
Tgt Ion: 63 Resp: 218668
Ion Ratio Lower Upper
63 100
65 31.8 20.8 38.6
83 12.9 8.9 16.5



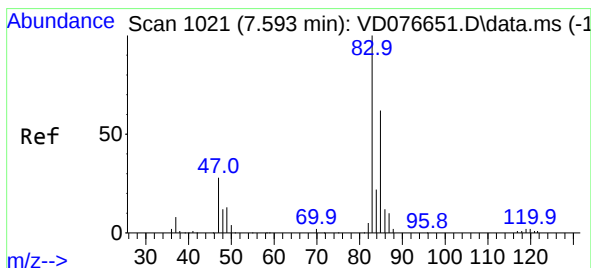
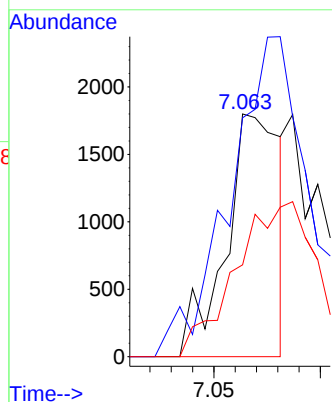
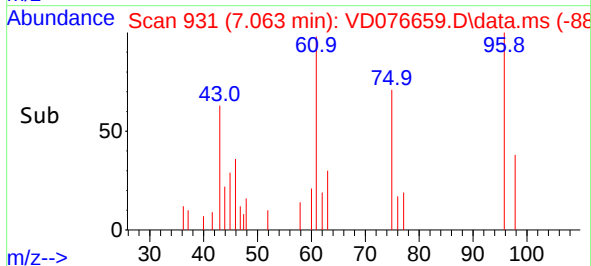


#20
cis-1,2-Dichloroethene
Concen: 0.504 ug/L
RT: 7.063 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Instrument :
MSVOA_D
ClientSampleId :
A46S7

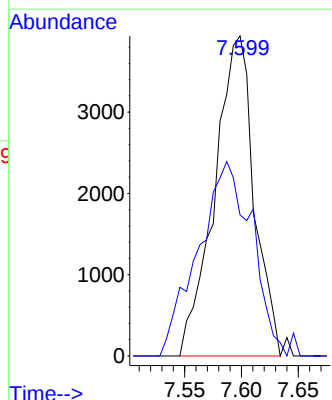
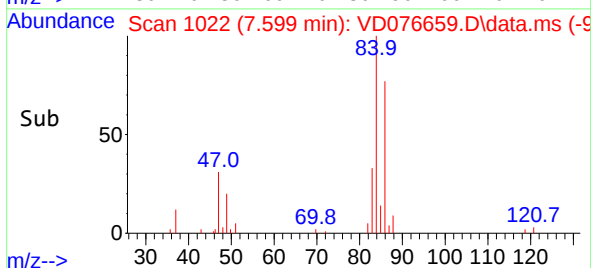
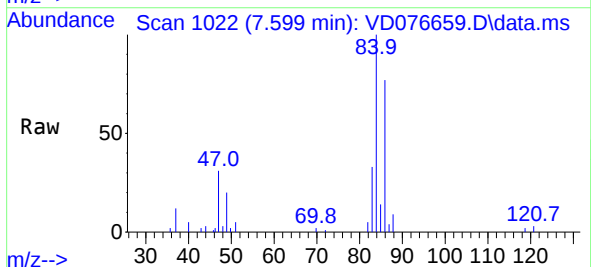


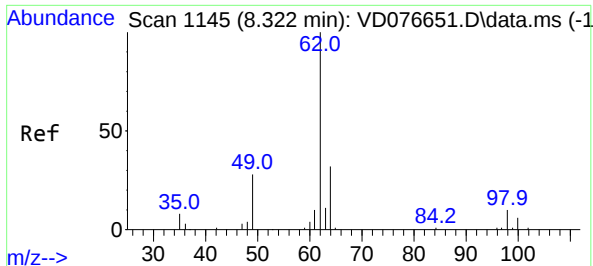
Tgt Ion: 96 Resp: 3168
Ion Ratio Lower Upper
96 100
61 98.4 86.0 159.6
98 37.8 42.2 78.4#



#25
Chloroform
Concen: 0.950 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Tgt Ion: 83 Resp: 9550
Ion Ratio Lower Upper
83 100
85 44.1 45.4 84.4#

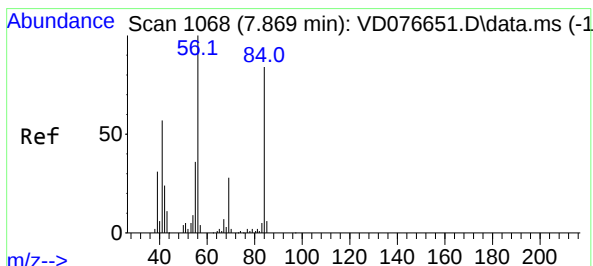
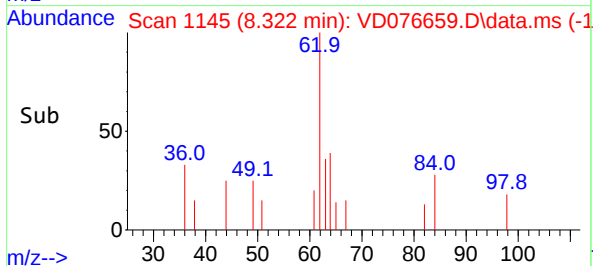
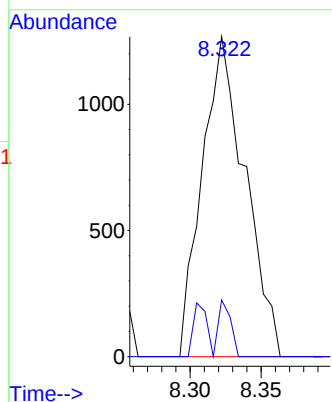
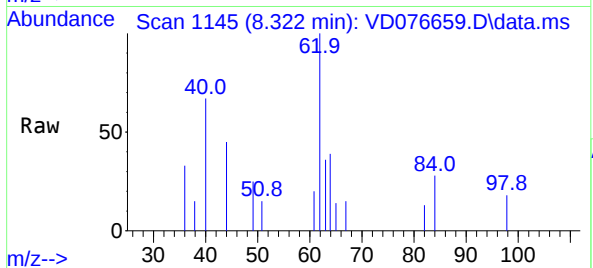




#27
1,2-Dichloroethane
Concen: 0.432 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

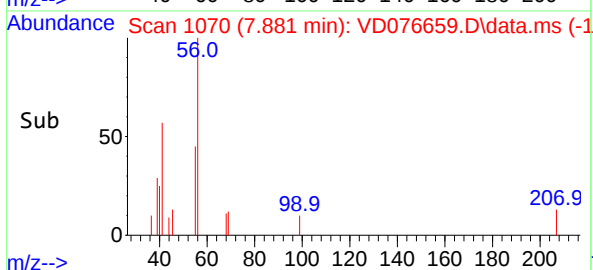
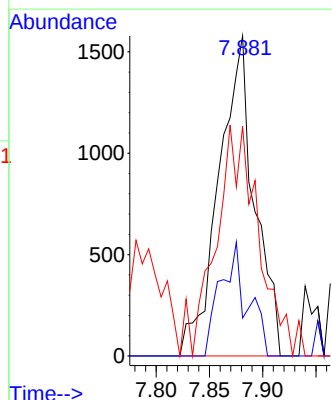
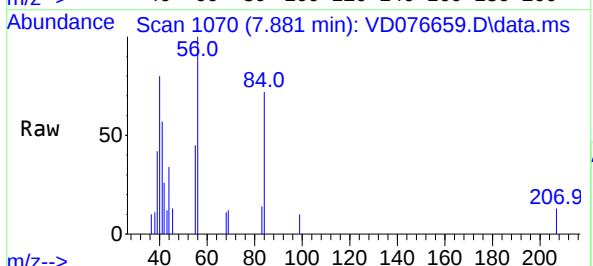
Instrument :
MSVOA_D
ClientSampleId :
A46S7

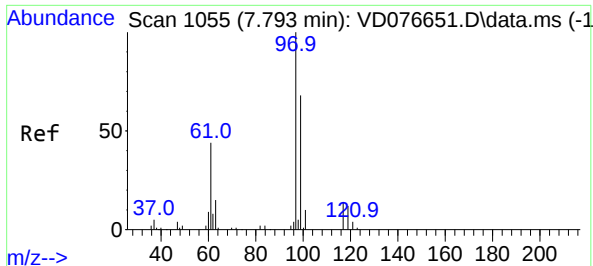
Tgt Ion: 62 Resp: 2667
Ion Ratio Lower Upper
62 100
98 17.7 8.7 13.1#



#29
Cyclohexane
Concen: 0.442 ug/L
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Tgt Ion: 56 Resp: 3680
Ion Ratio Lower Upper
56 100
69 7.2 23.4 35.0#
84 42.5 66.3 99.5#





#30

1,1,1-Trichloroethane

Concen: 6.394 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VD076659.D

Acq: 30 Jun 2023 13:41

Instrument :

MSVOA_D

ClientSampleId :

A46S7

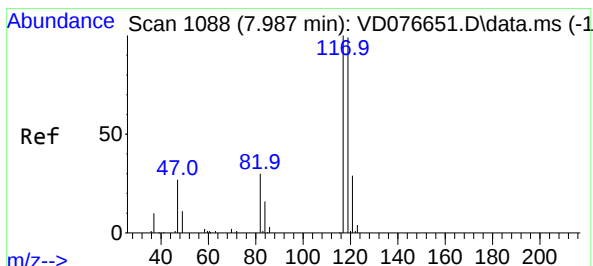
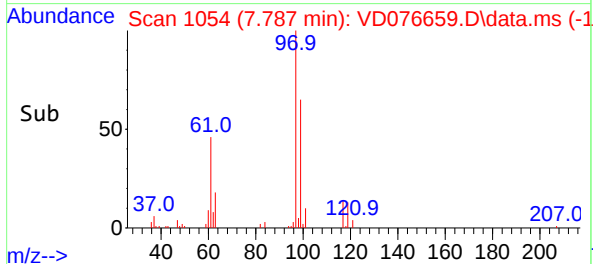
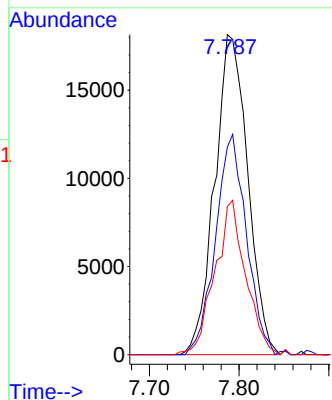
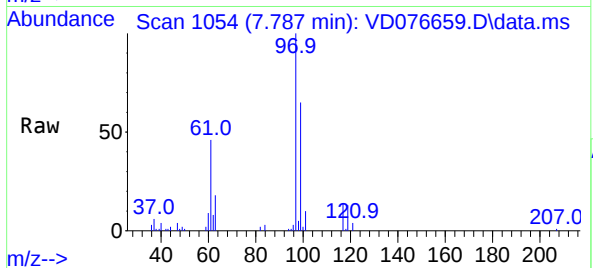
Tgt Ion: 97 Resp: 46465

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.6

61 44.9 36.4 54.6



#31

Carbon tetrachloride

Concen: 0.988 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.200 min

Lab File: VD076659.D

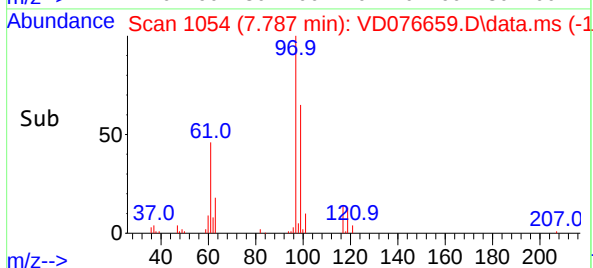
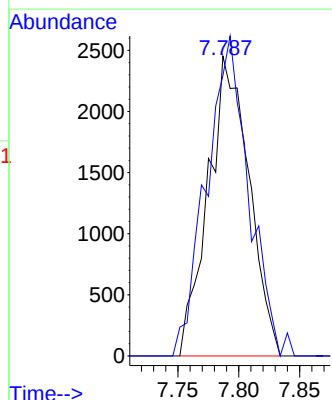
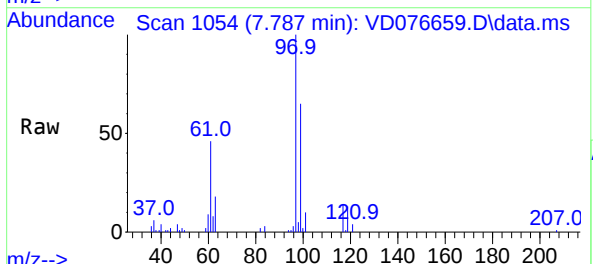
Acq: 30 Jun 2023 13:41

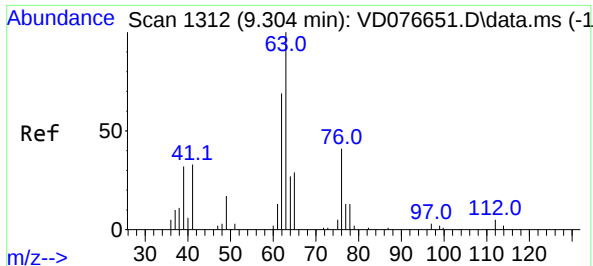
Tgt Ion: 117 Resp: 5744

Ion Ratio Lower Upper

117 100

119 108.9 77.8 116.6

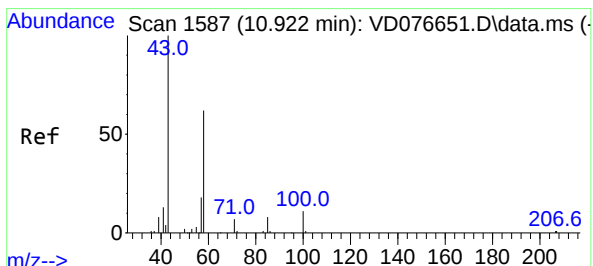
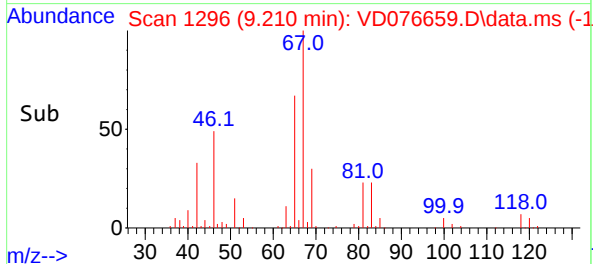
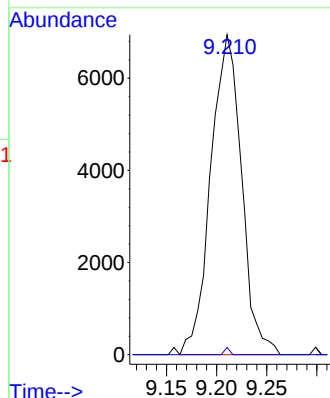
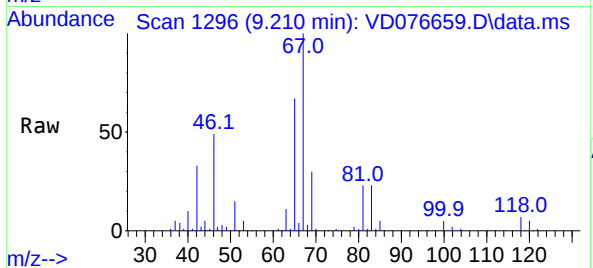




#37
1,2-Dichloropropane
Concen: 2.630 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

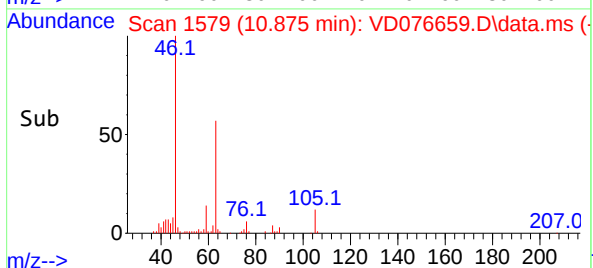
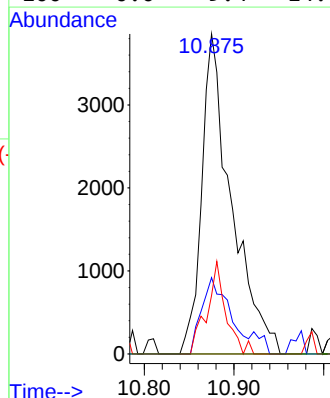
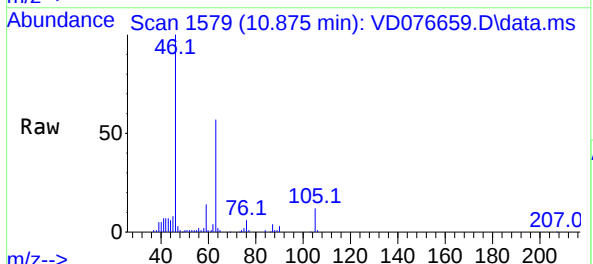
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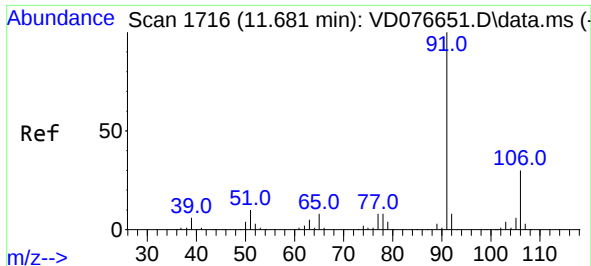
Tgt Ion: 63 Resp: 14843
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#48
2-Hexanone
Concen: 3.691 ug/L
RT: 10.875 min Scan# 1579
Delta R.T. -0.047 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Tgt Ion: 43 Resp: 8877
Ion Ratio Lower Upper
43 100
58 22.4 42.9 64.3#
57 13.4 13.7 20.5#
100 0.0 9.4 14.0#

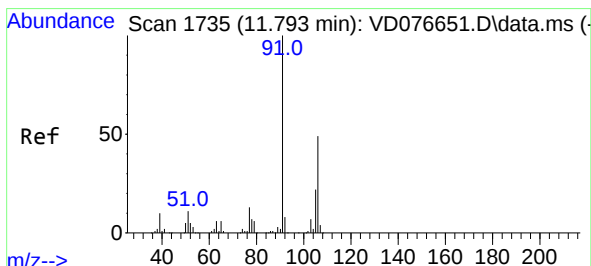
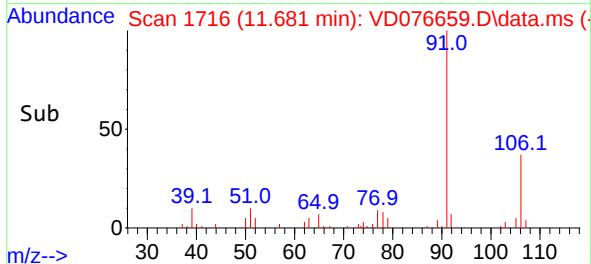
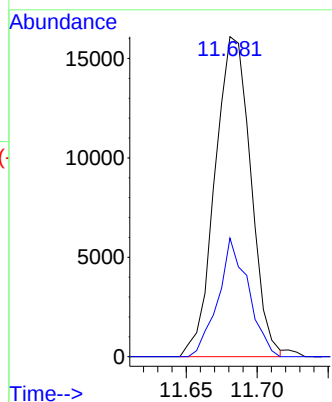




#52
Ethylbenzene
Concen: 1.184 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

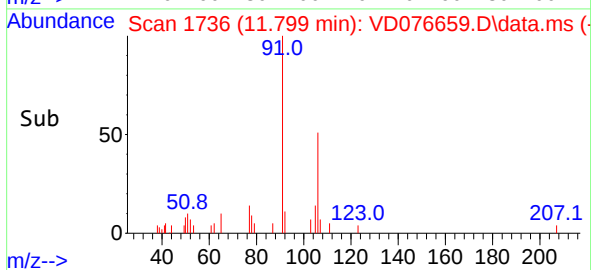
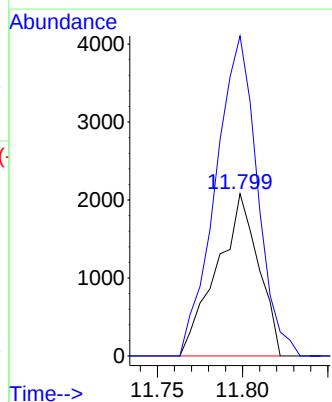
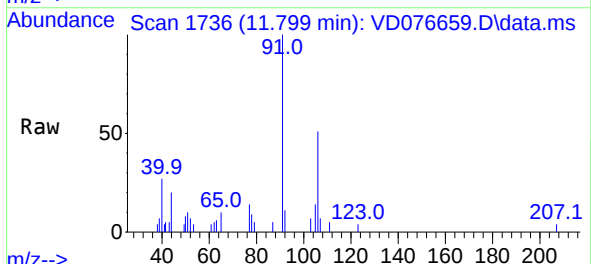
Instrument :
MSVOA_D
ClientSampleId :
A46S7

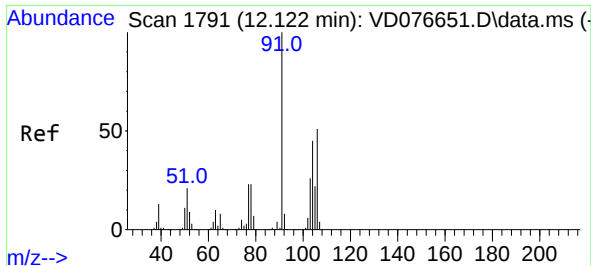
Tgt Ion: 91 Resp: 28224
Ion Ratio Lower Upper
91 100
106 37.0 22.4 41.6



#53
m,p-Xylene
Concen: 0.376 ug/L
RT: 11.799 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Tgt Ion: 106 Resp: 3527
Ion Ratio Lower Upper
106 100
91 197.2 141.5 262.9

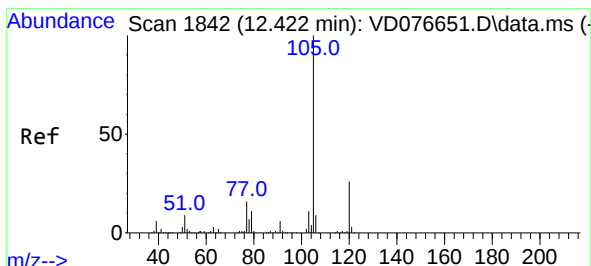
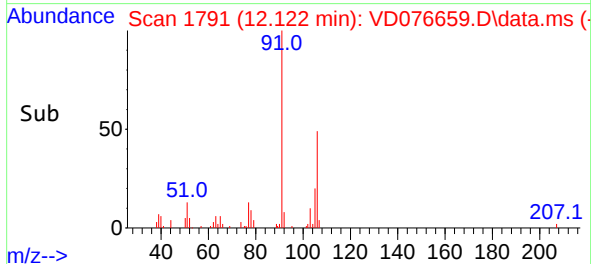
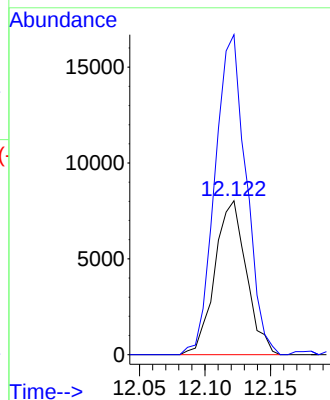
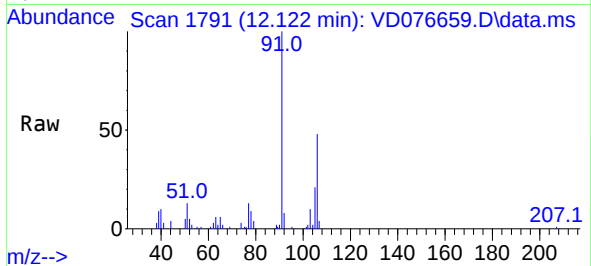




#54
o-Xylene
Concen: 1.505 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

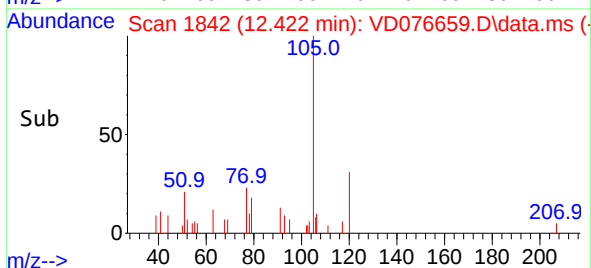
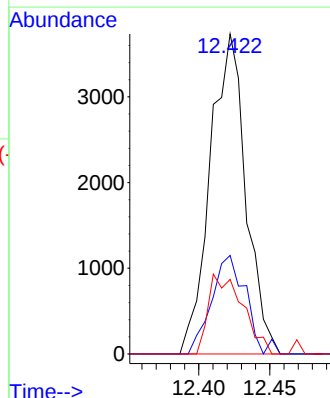
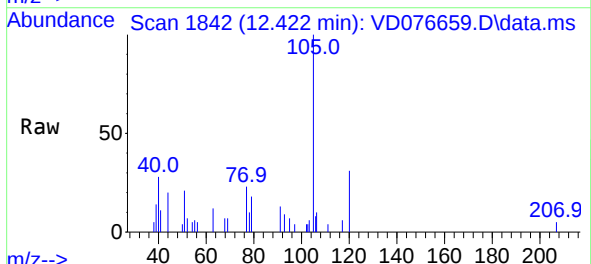
Instrument :
MSVOA_D
ClientSampleId :
A46S7

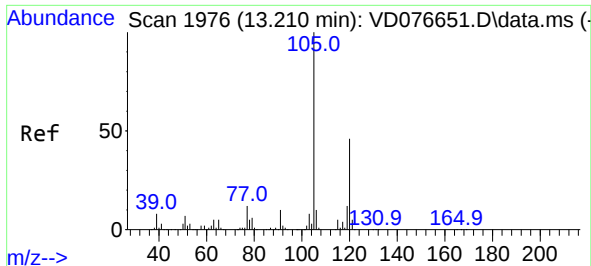
Tgt Ion:106 Resp: 13428
Ion Ratio Lower Upper
106 100
91 208.0 142.2 264.2



#60
Isopropylbenzene
Concen: 0.343 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Tgt Ion:105 Resp: 6521
Ion Ratio Lower Upper
105 100
120 28.6 21.3 31.9
77 24.0 12.2 18.4#

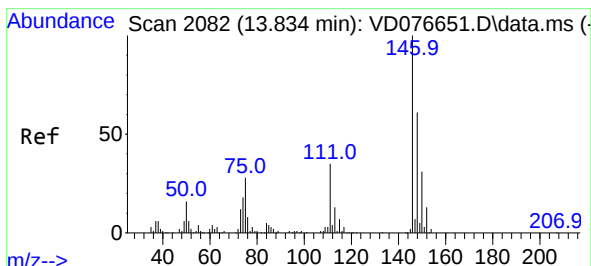
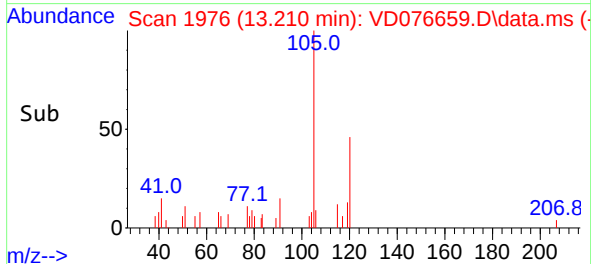
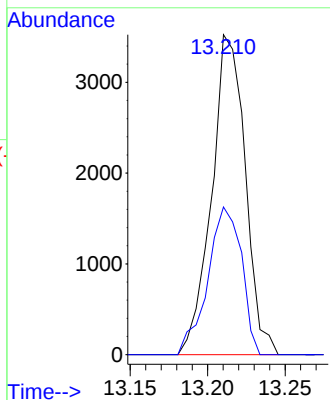
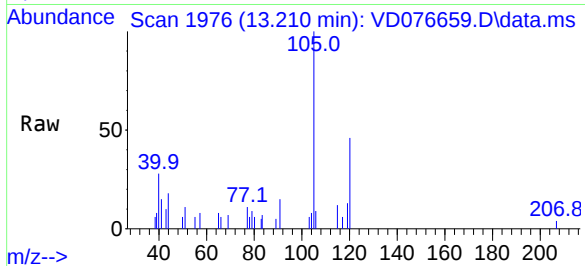




#63
1,2,4-Trimethylbenzene
Concen: 0.354 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Instrument :
MSVOA_D
ClientSampleId :
A46S7

Tgt Ion:105 Resp: 5314
Ion Ratio Lower Upper
105 100
120 46.3 37.5 56.3



#67
1,2-Dichlorobenzene
Concen: 0.850 ug/L
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD076659.D
Acq: 30 Jun 2023 13:41

Tgt Ion:146 Resp: 6401
Ion Ratio Lower Upper
146 100
111 54.0 31.3 46.9#
148 86.2 51.7 77.5#

