

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076697.D
 Acq On : 03 Jul 2023 17:22
 Operator : KP/SY
 Sample : 03444-15
 Misc : 5.28G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46W0RE

Quant Time: Jul 04 01:11:37 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	90588	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	64880	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	20349	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	6634	3.007	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	12.040%#
7) Chloroethane-d5	2.793	69	8361	4.687	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	18.760%#
11) 1,1-Dichloroethene-d2	3.905	65	1819	3.159	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	12.640%#
21) 2-Butanone-d5	6.987	46	34683	103.808	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	207.620%#
24) Chloroform-d	7.563	84	23435	9.819	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	39.280%#
26) 1,2-Dichloroethane-d4	8.222	65	16450	13.972	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	55.880%#
32) Benzene-d6	8.199	84	33733	8.499	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	34.000%
36) 1,2-Dichloropropane-d6	9.204	67	15495	12.231	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	48.920%#
41) Toluene-d8	10.269	98	24410	6.642	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	26.560%#
43) trans-1,3-Dichloroprop...	10.522	79	7437	14.114	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	56.440%
47) 2-Hexanone-d5	10.875	63	20630	104.907	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	209.820%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	29875	33.147	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.600%#
66) 1,2-Dichlorobenzene-d4	13.810	152	9875	13.239	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	52.960%#
Target Compounds						
					Qvalue	
8) Chloroethane	2.834	64	16014	10.327	ug/L #	79
13) Acetone	4.016	43	59652	221.053	ug/L	92
15) Methyl Acetate	4.569	43	602	0.977	ug/L #	53
16) Methylene chloride	4.787	84	1541	0.979	ug/L #	48
22) 2-Butanone	7.075	43	26111	59.958	ug/L	97
25) Chloroform	7.587	83	1444	0.617	ug/L #	73
33) Benzene	8.246	78	1596	0.372	ug/L	100
34) Trichloroethene	8.775	95	3180	2.883	ug/L #	4
37) 1,2-Dichloropropane	9.204	63	1969	1.682	ug/L #	88
40) 4-Methyl-2-pentanone	10.151	43	487	0.669	ug/L #	44
42) Toluene	10.334	91	5145	1.121	ug/L	82
52) Ethylbenzene	11.681	91	4648	0.940	ug/L	93
53) m,p-Xylene	11.687	106	1450	0.746	ug/L	96
54) o-Xylene	12.122	106	4176	2.256	ug/L	80
60) Isopropylbenzene	12.422	105	1254	0.403	ug/L #	61
61) 1,2,3-Trichloropropane	12.722	75	541	1.370	ug/L #	60
62) 1,3,5-Trimethylbenzene	12.904	105	1836	0.737	ug/L	89
63) 1,2,4-Trimethylbenzene	13.210	105	7066	2.875	ug/L	87
67) 1,2-Dichlorobenzene	13.834	146	1099	0.891	ug/L #	1

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

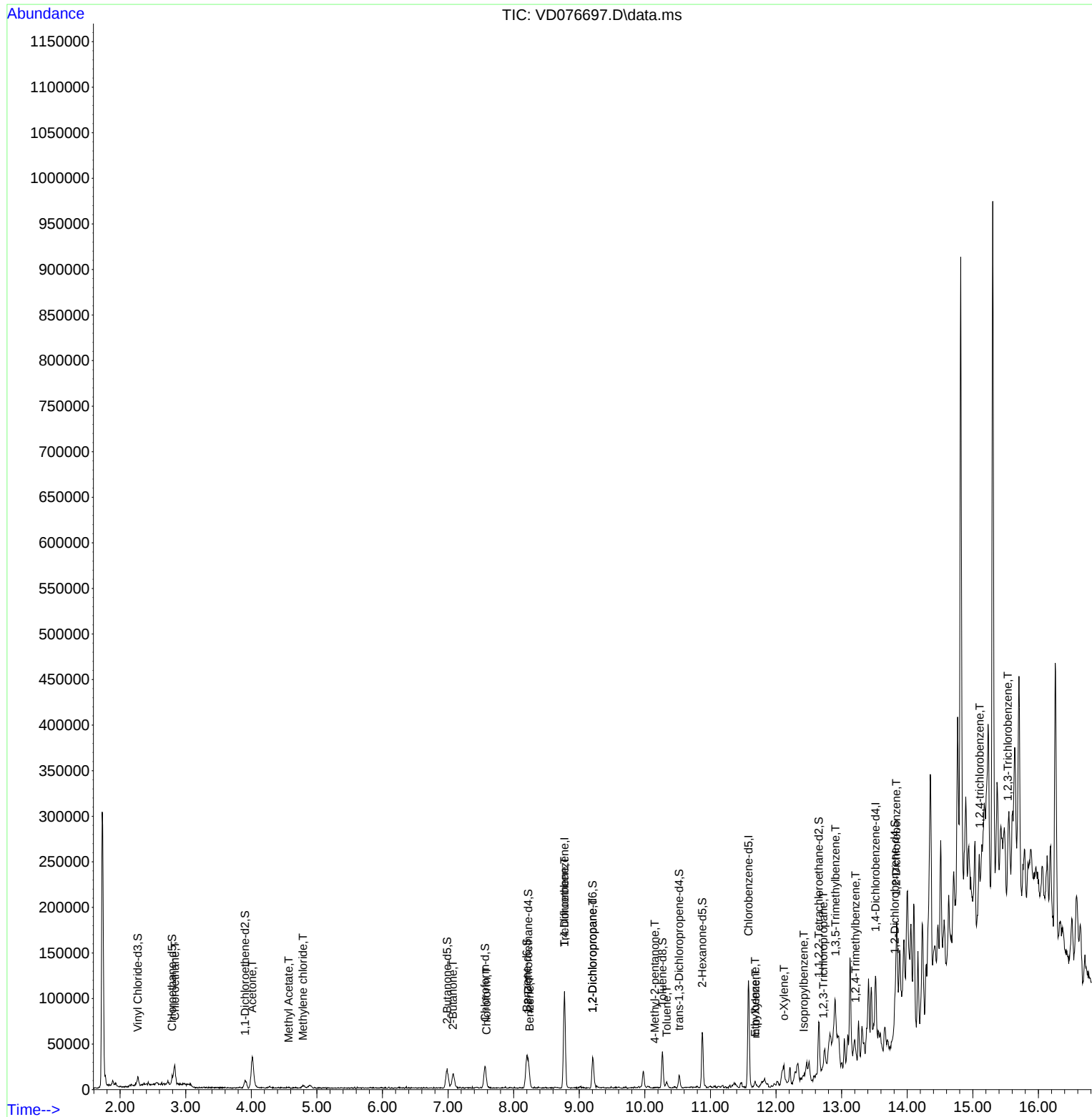
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.104	180	361	0.439	ug/L #	1
72) 1,2,3-Trichlorobenzene	15.533	180	1323	1.854	ug/L #	1

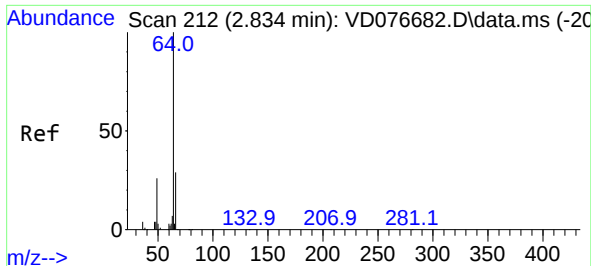
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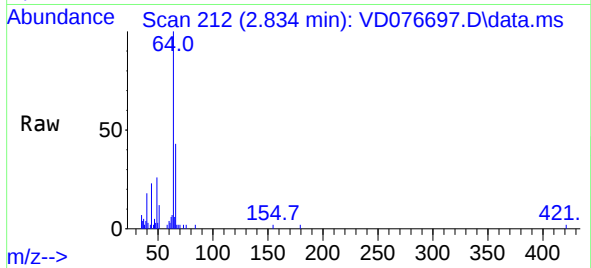
Quant Time: Jul 04 01:11:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0
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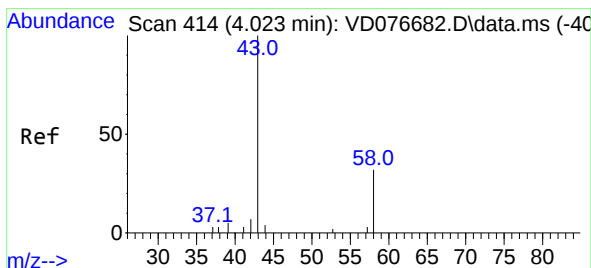
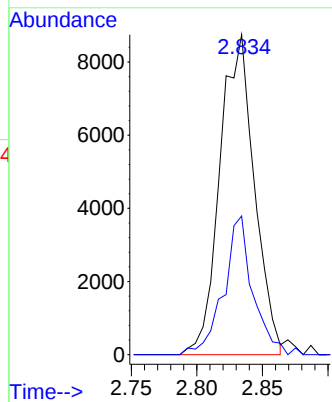
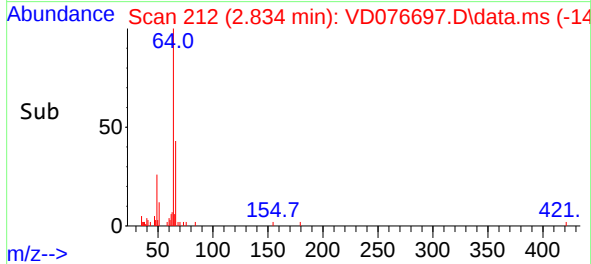


#8
Chloroethane
Concen: 10.327 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Instrument :
MSVOA_D
ClientSampleId :
A46W0RE

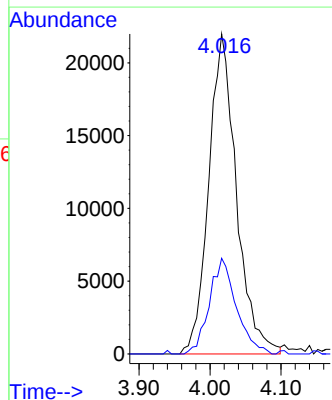
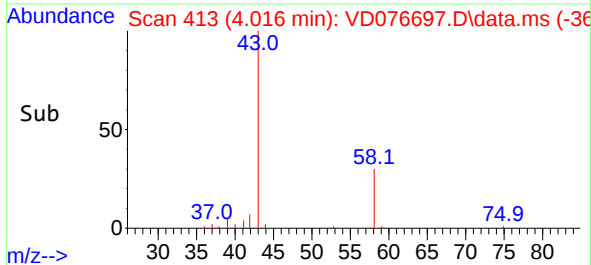
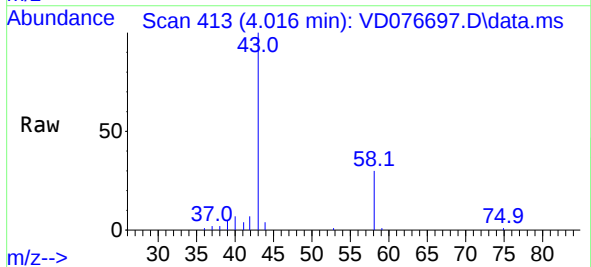


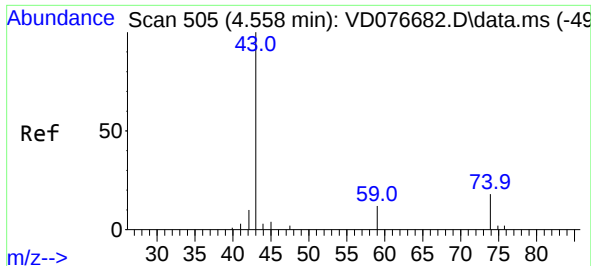
Tgt Ion: 64 Resp: 16014
Ion Ratio Lower Upper
64 100
66 43.4 22.1 41.1#



#13
Acetone
Concen: 221.053 ug/L
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion: 43 Resp: 59652
Ion Ratio Lower Upper
43 100
58 29.1 0.0 67.4

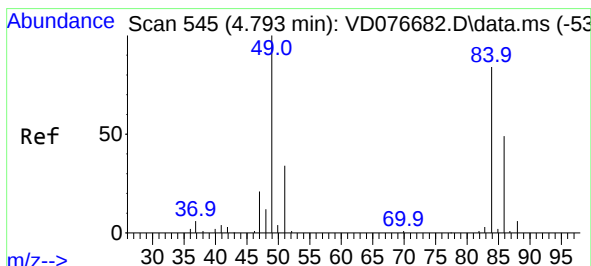
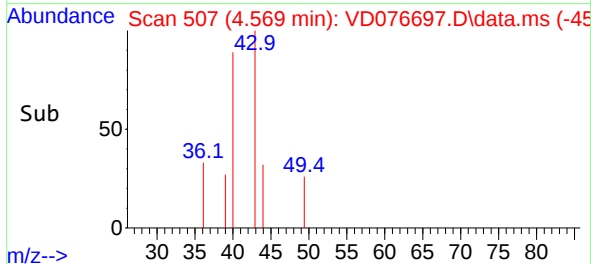
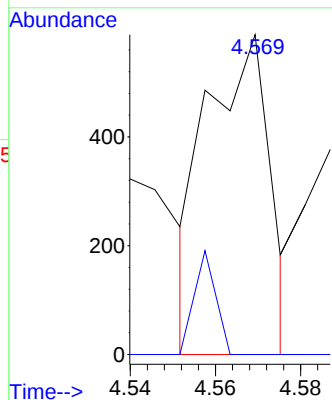
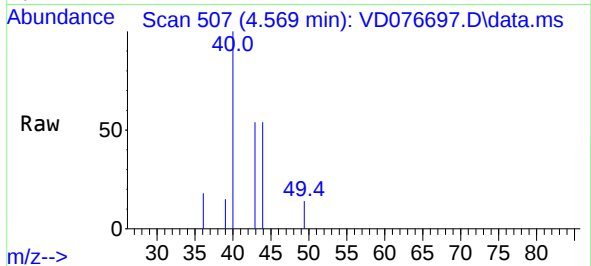




#15
Methyl Acetate
Concen: 0.977 ug/L
RT: 4.569 min Scan# 505
Delta R.T. 0.012 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

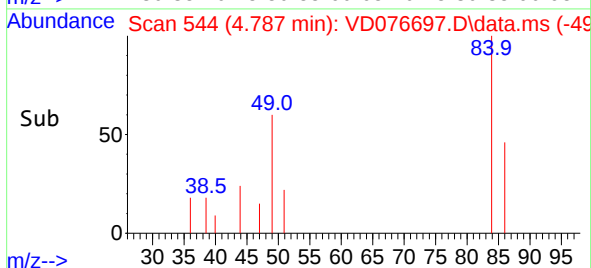
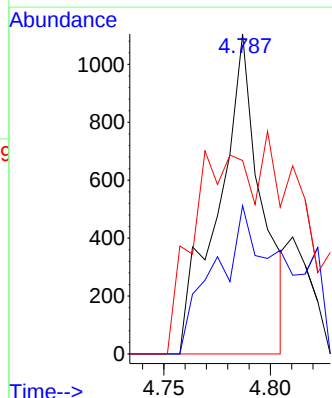
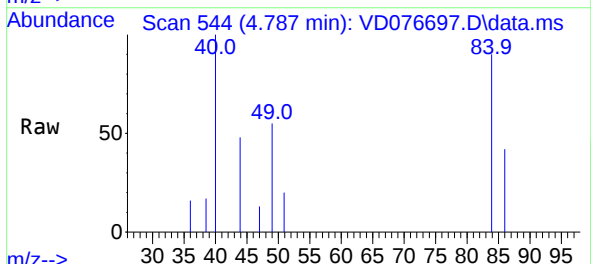
Instrument :
MSVOA_D
ClientSampleId :
A46W0RE

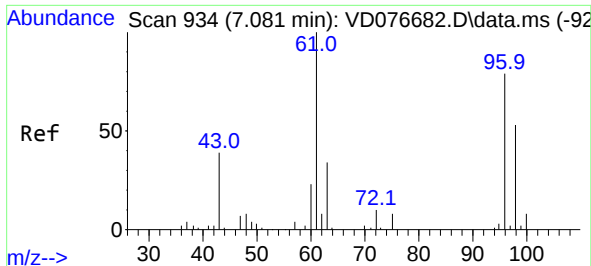
Tgt Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#16
Methylene chloride
Concen: 0.979 ug/L
RT: 4.787 min Scan# 544
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion: 84 Resp: 1541
Ion Ratio Lower Upper
84 100
86 46.3 45.1 83.9
49 60.5 97.2 180.6#

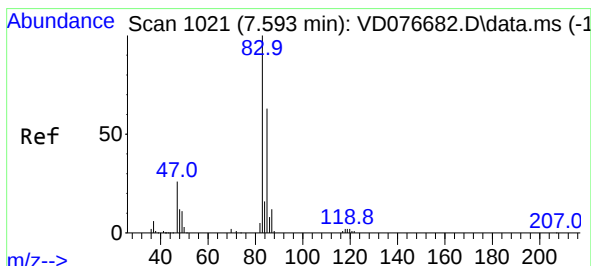
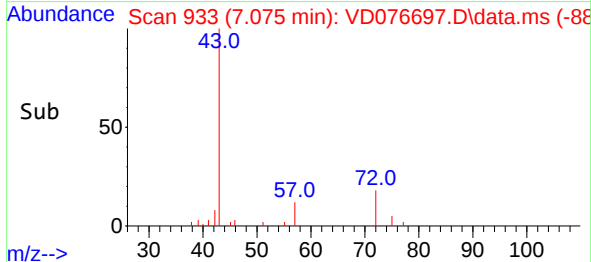
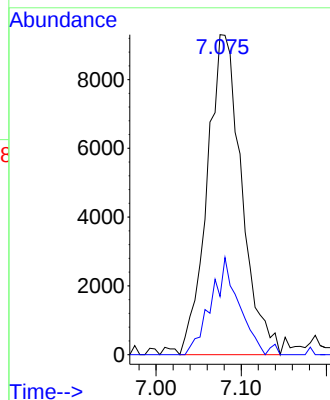
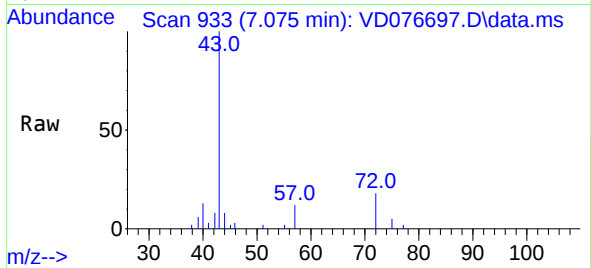




#22
2-Butanone
Concen: 59.958 ug/L
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

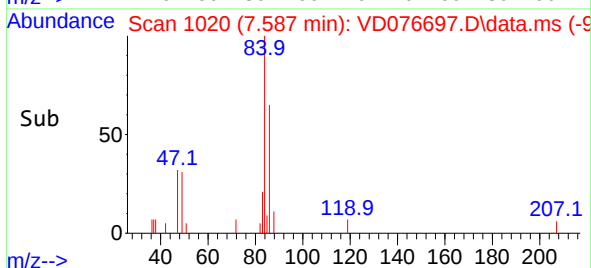
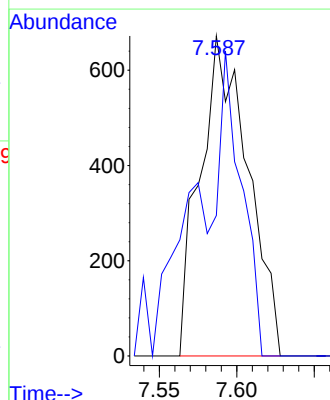
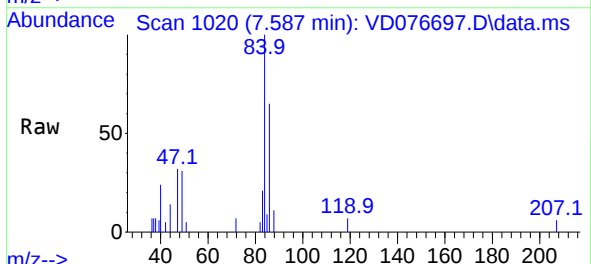
Instrument :
MSVOA_D
ClientSampleId :
A46W0RE

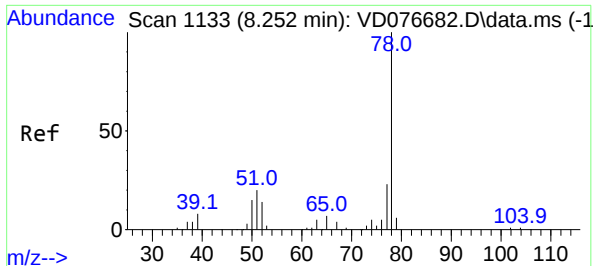
Tgt Ion: 43 Resp: 26111
Ion Ratio Lower Upper
43 100
72 24.5 12.9 38.7



#25
Chloroform
Concen: 0.617 ug/L
RT: 7.587 min Scan# 1020
Delta R.T. -0.006 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion: 83 Resp: 1444
Ion Ratio Lower Upper
83 100
85 43.9 45.4 84.4#

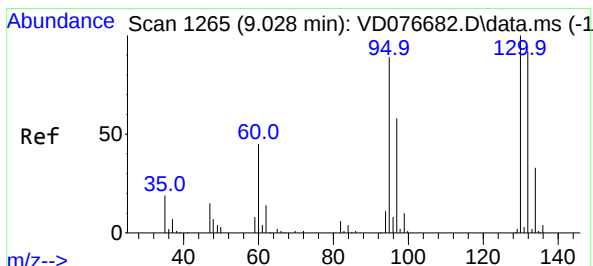
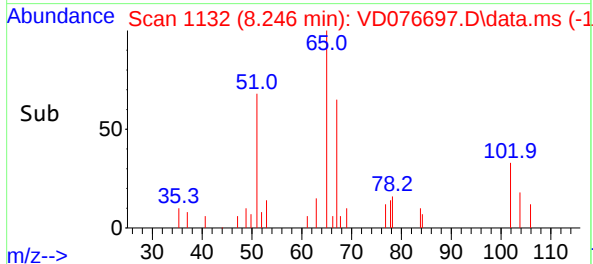
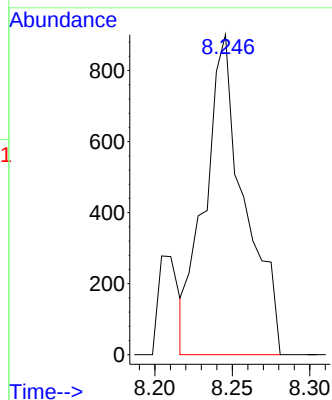
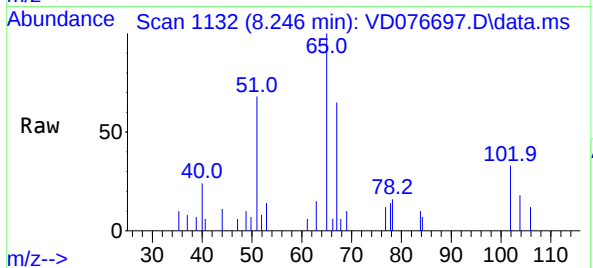




#33
Benzene
Concen: 0.372 ug/L
RT: 8.246 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

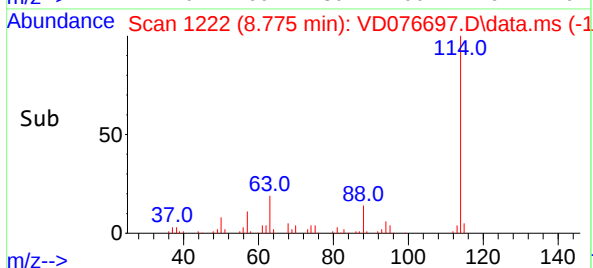
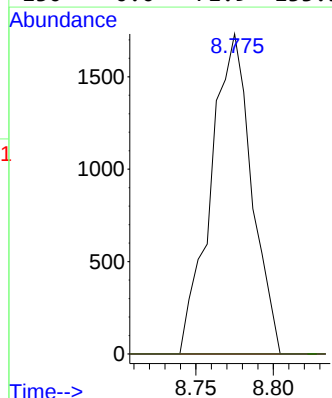
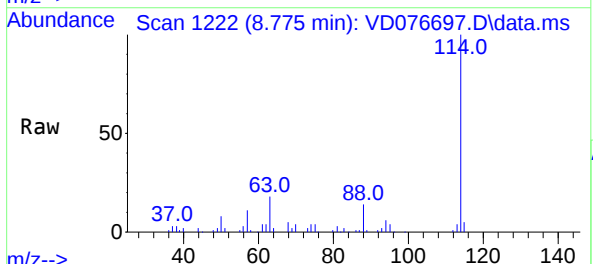
Instrument :
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ClientSampleId :
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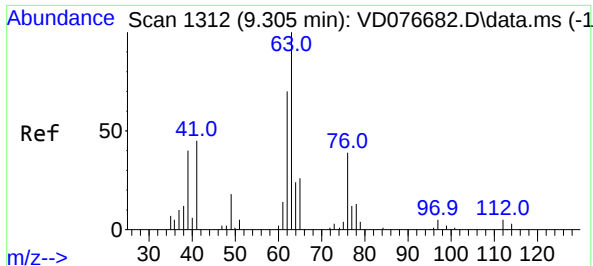
Tgt Ion: 78 Resp: 1596



#34
Trichloroethene
Concen: 2.883 ug/L
RT: 8.775 min Scan# 1222
Delta R.T. -0.253 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion: 95 Resp: 3180
Ion Ratio Lower Upper
95 100
97 0.0 43.1 80.1#
132 0.0 71.8 133.4#
130 0.0 71.9 133.5#

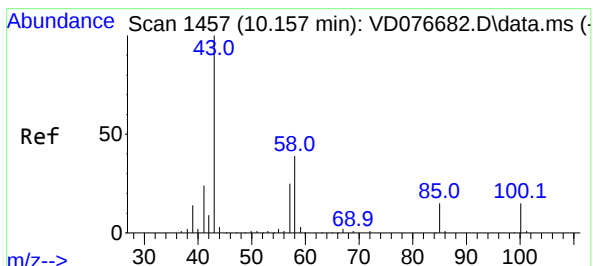
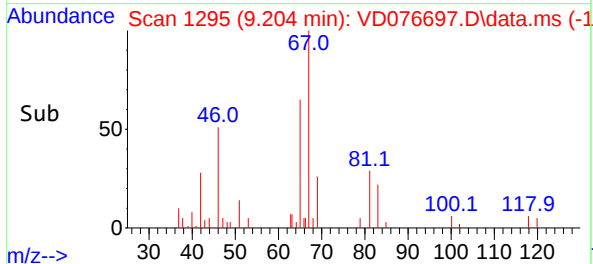
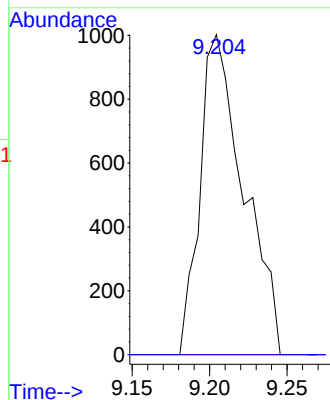
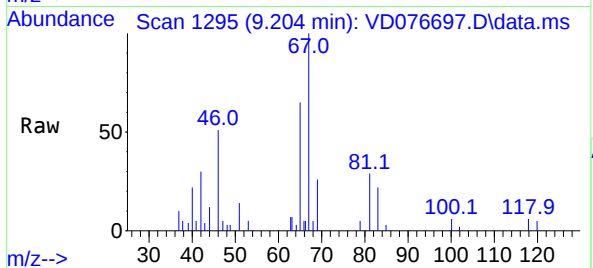




#37
1,2-Dichloropropane
Concen: 1.682 ug/L
RT: 9.204 min Scan# 11
Delta R.T. -0.100 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

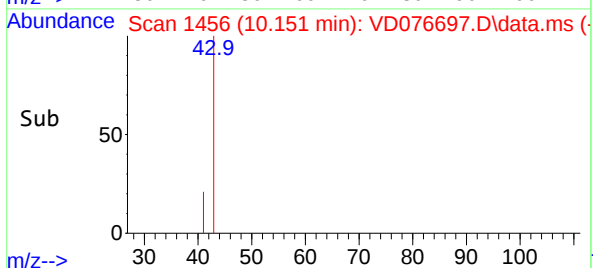
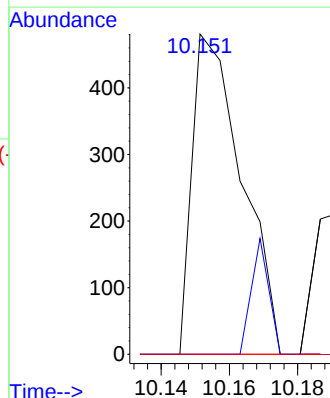
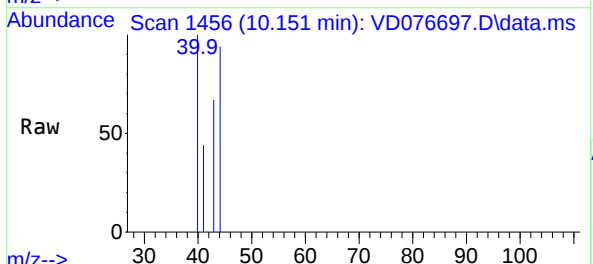
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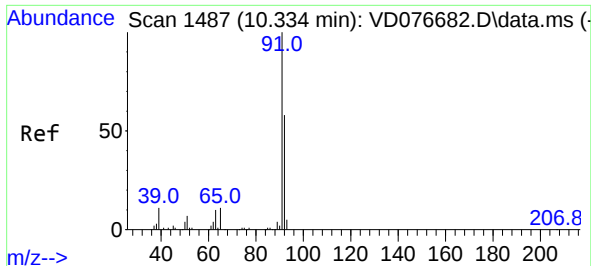
Tgt Ion: 63 Resp: 1969
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#40
4-Methyl-2-pentanone
Concen: 0.669 ug/L
RT: 10.151 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
58 0.0 30.7 46.1#
100 0.0 11.0 16.4#

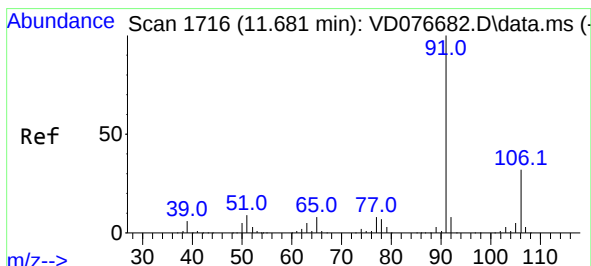
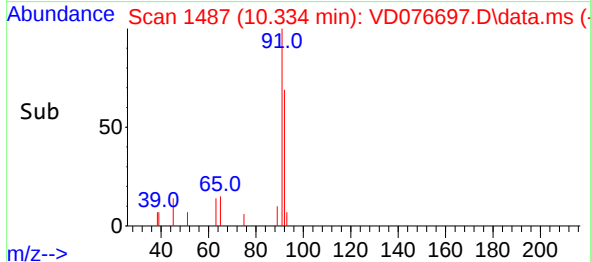
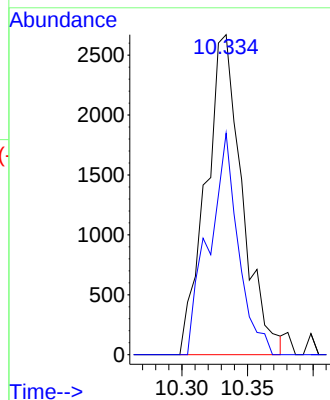
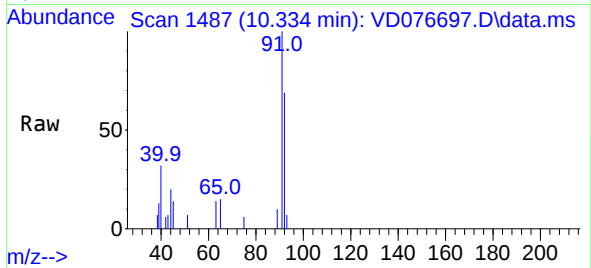




#42
Toluene
Concen: 1.121 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

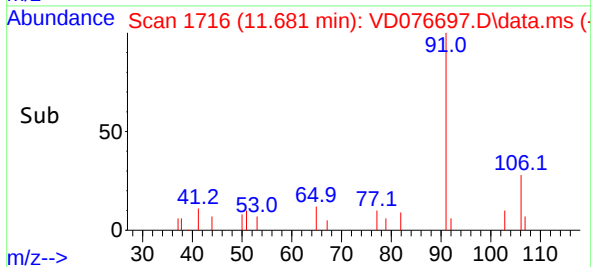
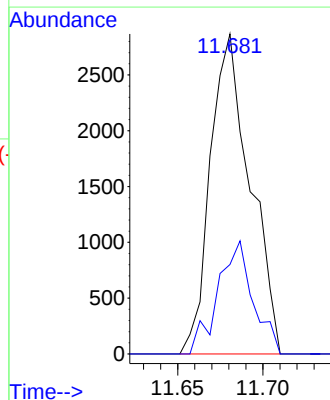
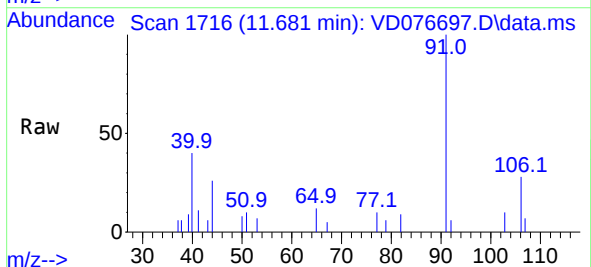
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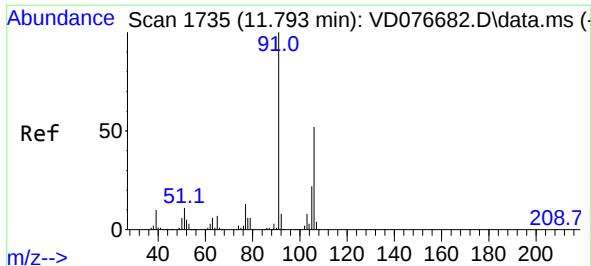
Tgt Ion: 91 Resp: 5145
Ion Ratio Lower Upper
91 100
92 69.2 39.3 73.1



#52
Ethylbenzene
Concen: 0.940 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion: 91 Resp: 4648
Ion Ratio Lower Upper
91 100
106 27.9 22.4 41.6

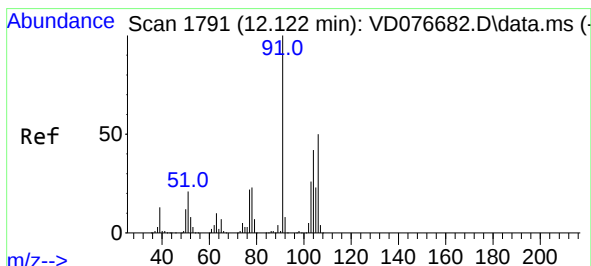
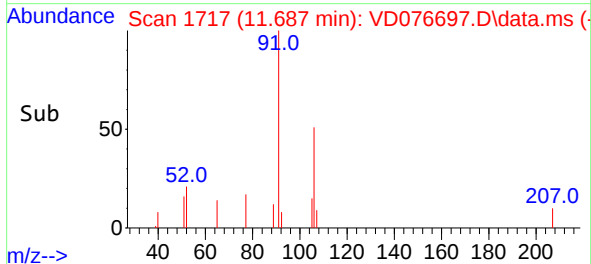
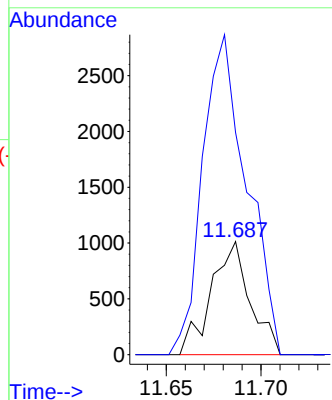
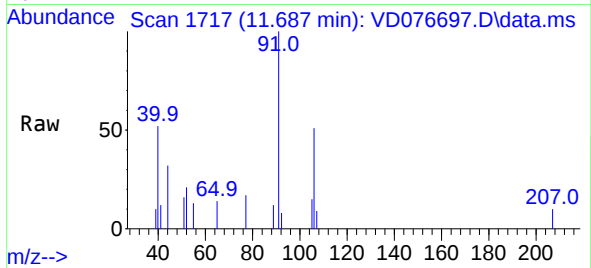




#53
m,p-Xylene
Concen: 0.746 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. -0.106 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

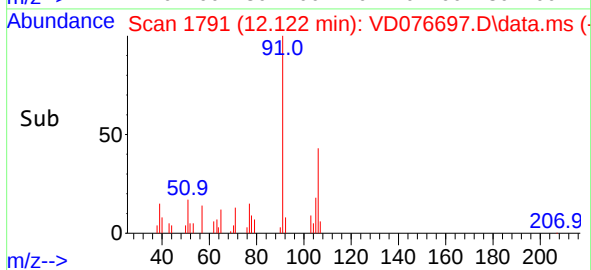
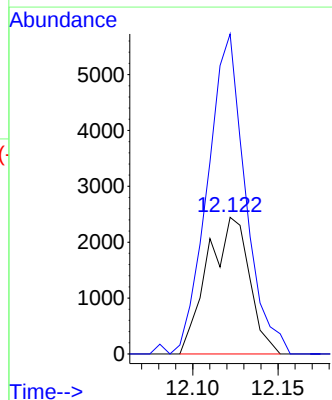
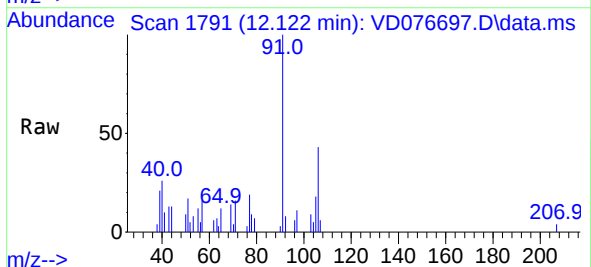
Instrument :
MSVOA_D
ClientSampleId :
A46W0RE

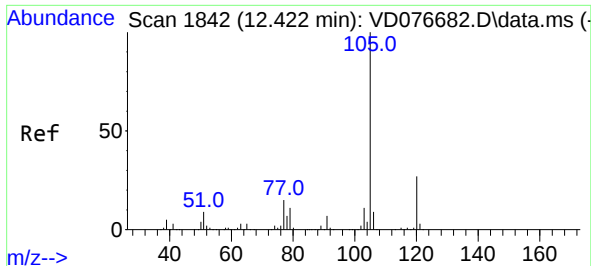
Tgt Ion:106 Resp: 1450
Ion Ratio Lower Upper
106 100
91 196.4 141.5 262.9



#54
o-Xylene
Concen: 2.256 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion:106 Resp: 4176
Ion Ratio Lower Upper
106 100
91 234.1 142.2 264.2

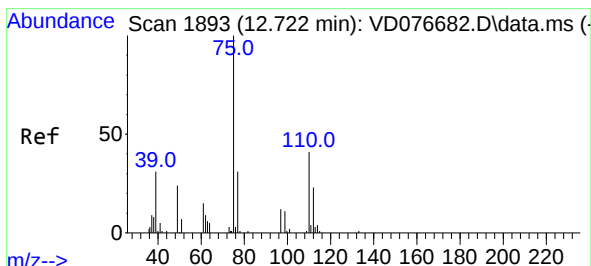
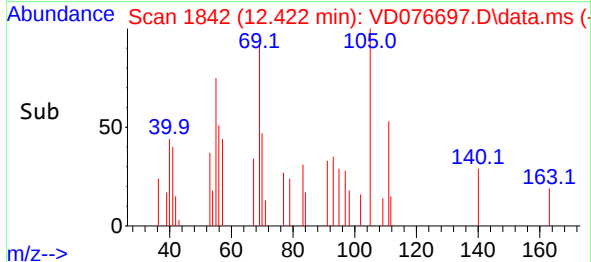
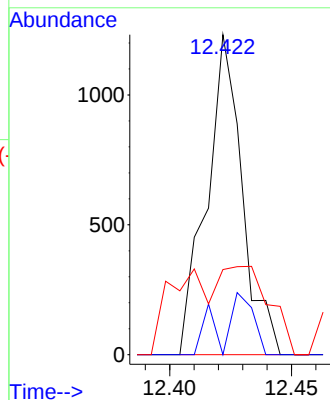
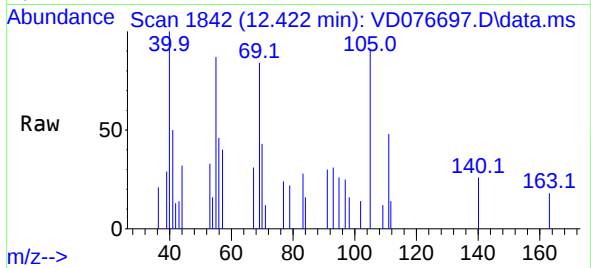




#60
Isopropylbenzene
Concen: 0.403 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

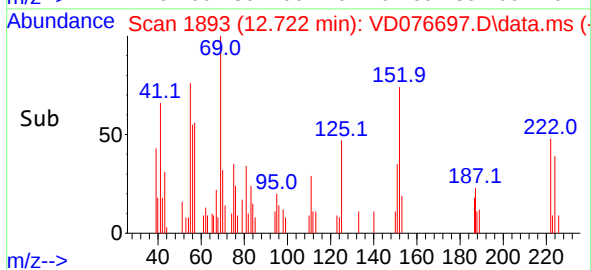
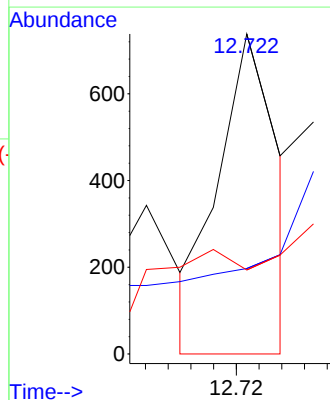
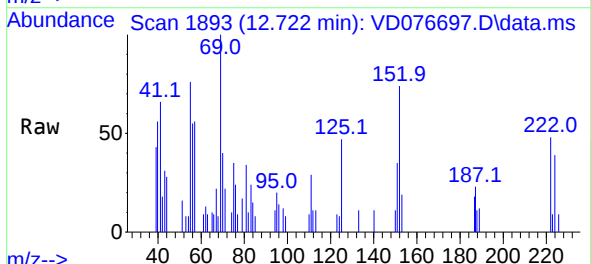
Instrument :
MSVOA_D
ClientSampleId :
A46W0RE

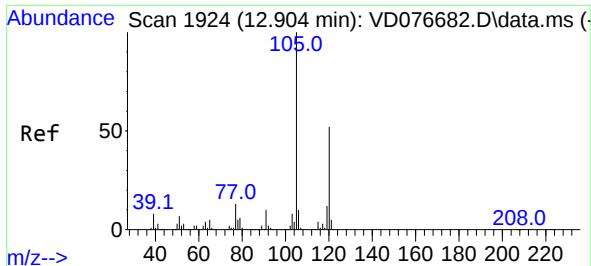
Tgt Ion:	105	Resp:	1254
Ion	Ratio	Lower	Upper
105	100		
120	11.8	21.3	31.9#
77	39.0	12.2	18.4#



#61
1,2,3-Trichloropropane
Concen: 1.370 ug/L
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion:	75	Resp:	541
Ion	Ratio	Lower	Upper
75	100		
77	0.0	27.2	40.8#
110	54.2	31.8	47.6#

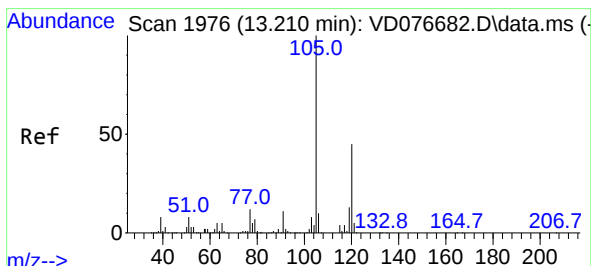
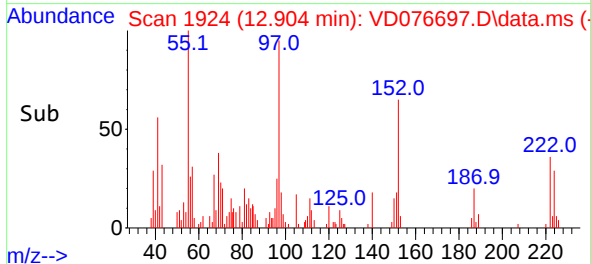
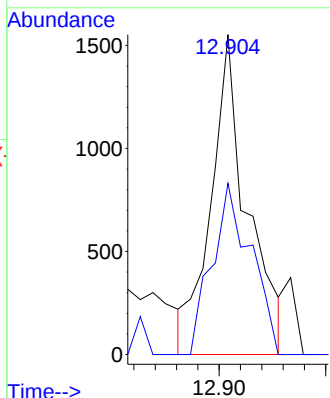
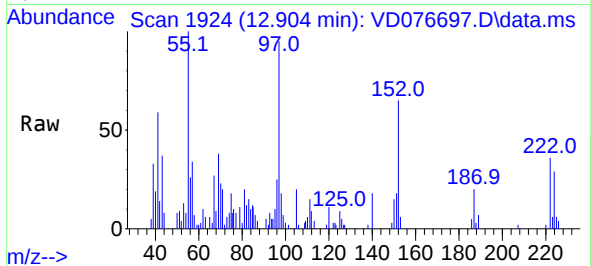




#62
1,3,5-Trimethylbenzene
Concen: 0.737 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

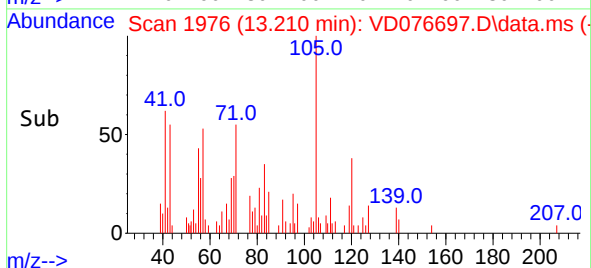
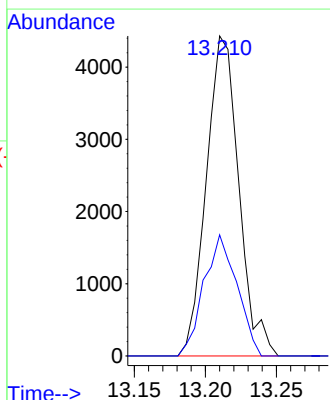
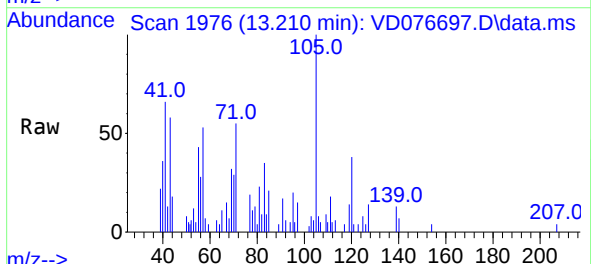
Instrument :
MSVOA_D
ClientSampleId :
A46W0RE

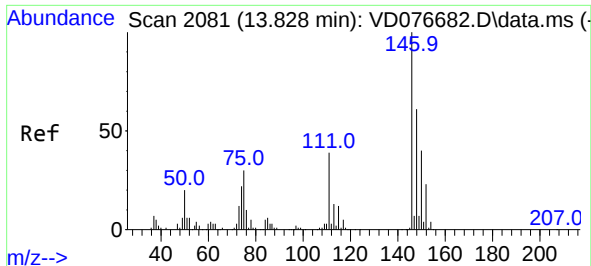
Tgt Ion:105 Resp: 1836
Ion Ratio Lower Upper
105 100
120 57.6 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 2.875 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD076697.D
Acq: 03 Jul 2023 17:22

Tgt Ion:105 Resp: 7066
Ion Ratio Lower Upper
105 100
120 38.6 37.5 56.3





#67

1,2-Dichlorobenzene

Concen: 0.891 ug/L

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD076697.D

Acq: 03 Jul 2023 17:22

Instrument :

MSVOA_D

ClientSampleId :

A46W0RE

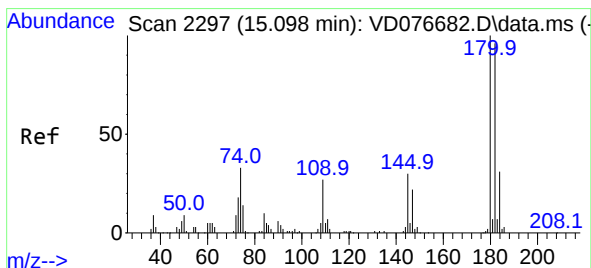
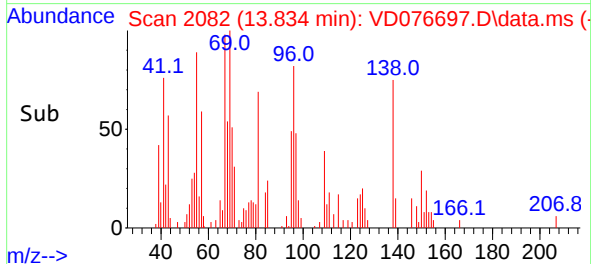
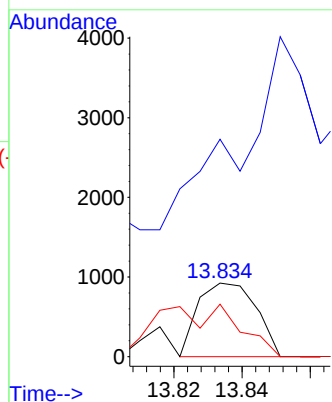
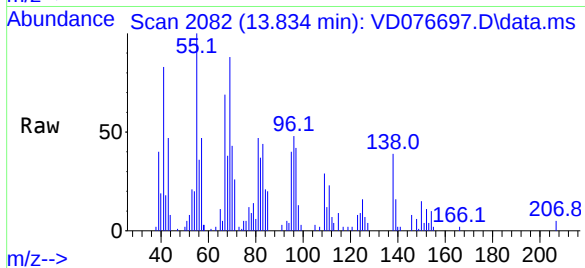
Tgt Ion:146 Resp: 1099

Ion Ratio Lower Upper

146 100

111 295.5 31.3 46.9#

148 71.2 51.7 77.5



#70

1,2,4-trichlorobenzene

Concen: 0.439 ug/L

RT: 15.104 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VD076697.D

Acq: 03 Jul 2023 17:22

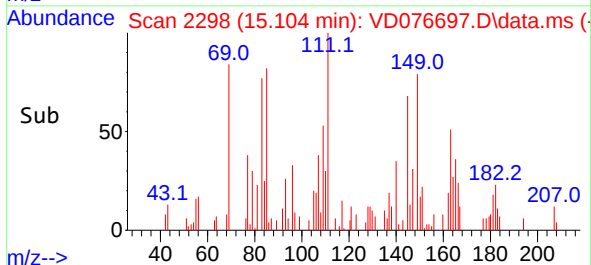
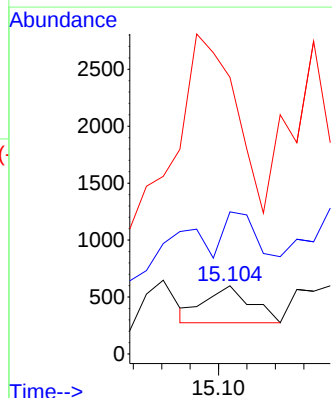
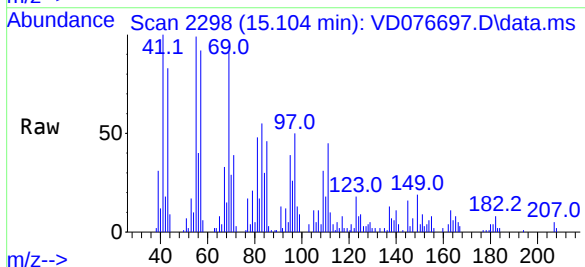
Tgt Ion:180 Resp: 361

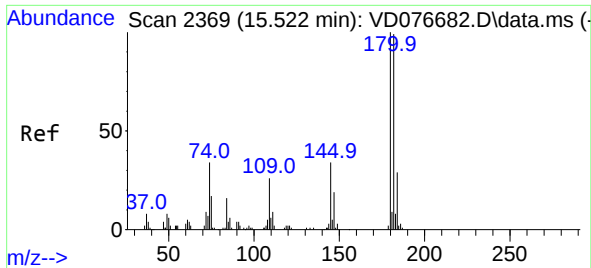
Ion Ratio Lower Upper

180 100

182 240.2 76.9 115.3#

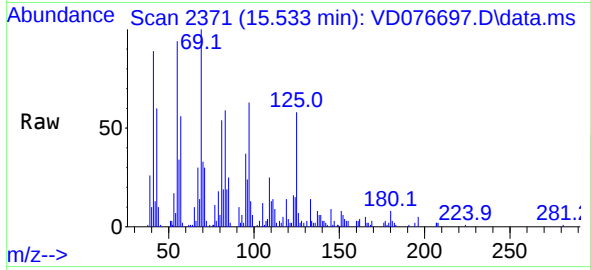
145 0.0 23.5 35.3#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.854 ug/L
 RT: 15.533 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VD076697.D
 Acq: 03 Jul 2023 17:22

Instrument :
 MSVOA_D
 ClientSampleId :
 A46W0RE



Tgt Ion:180 Resp: 1323

Ion	Ratio	Lower	Upper
180	100		
182	5.9	74.3	111.5#
145	275.5	25.0	37.6#

