

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070323\
 Data File : VD076699.D
 Acq On : 03 Jul 2023 18:15
 Operator : KP/SY
 Sample : 03444-19
 Misc : 4.43G/10.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A46Y0RE

Quant Time: Jul 04 01:11:53 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	181026	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	123195	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	36862	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	14848	3.368	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	13.480%#
7) Chloroethane-d5	2.793	69	18139	5.089	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	20.360%#
11) 1,1-Dichloroethene-d2	3.917	65	5032	4.373	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	17.480%#
21) 2-Butanone-d5	6.981	46	57066	85.472	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	170.940%#
24) Chloroform-d	7.563	84	48871	10.247	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	41.000%
26) 1,2-Dichloroethane-d4	8.222	65	34940	14.850	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	59.400%#
32) Benzene-d6	8.199	84	67637	8.975	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	35.920%
36) 1,2-Dichloropropane-d6	9.204	67	31638	13.152	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	52.600%#
41) Toluene-d8	10.269	98	50371	7.219	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	28.880%#
43) trans-1,3-Dichloroprop...	10.528	79	13545	13.538	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	54.160%
47) 2-Hexanone-d5	10.875	63	37111	99.386	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	198.780%#
56) 1,1,2,2-Tetrachloroeth...	12.651	84	46709	27.293	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.160%
66) 1,2-Dichlorobenzene-d4	13.816	152	18116	13.408	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	53.640%#
Target Compounds						Qvalue
8) Chloroethane	2.834	64	16103	5.197	ug/L	98
13) Acetone	4.016	43	84894	157.426	ug/L	94
14) Carbon disulfide	4.264	76	5586	0.656	ug/L #	76
15) Methyl Acetate	4.552	43	527	0.428	ug/L #	53
16) Methylene chloride	4.793	84	3553	1.129	ug/L #	68
22) 2-Butanone	7.081	43	38666	44.430	ug/L	77
33) Benzene	8.246	78	6056	0.743	ug/L	100
34) Trichloroethene	9.040	95	713	0.340	ug/L #	18
35) Methylcyclohexane	9.263	83	6250	1.850	ug/L #	61
37) 1,2-Dichloropropane	9.210	63	4010	1.804	ug/L	99
42) Toluene	10.334	91	21133	2.425	ug/L	90
52) Ethylbenzene	11.687	91	21646	2.305	ug/L	98
53) m,p-Xylene	11.781	106	8696	2.356	ug/L	97
54) o-Xylene	12.122	106	14709	4.186	ug/L	97
60) Isopropylbenzene	12.422	105	5278	0.936	ug/L #	74
61) 1,2,3-Trichloropropane	12.728	75	721	1.008	ug/L #	37
62) 1,3,5-Trimethylbenzene	12.828	105	2478	0.549	ug/L	96
63) 1,2,4-Trimethylbenzene	13.210	105	26162	5.877	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.345	75	1386	8.693	ug/L #	49

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 Response via : Initial Calibration

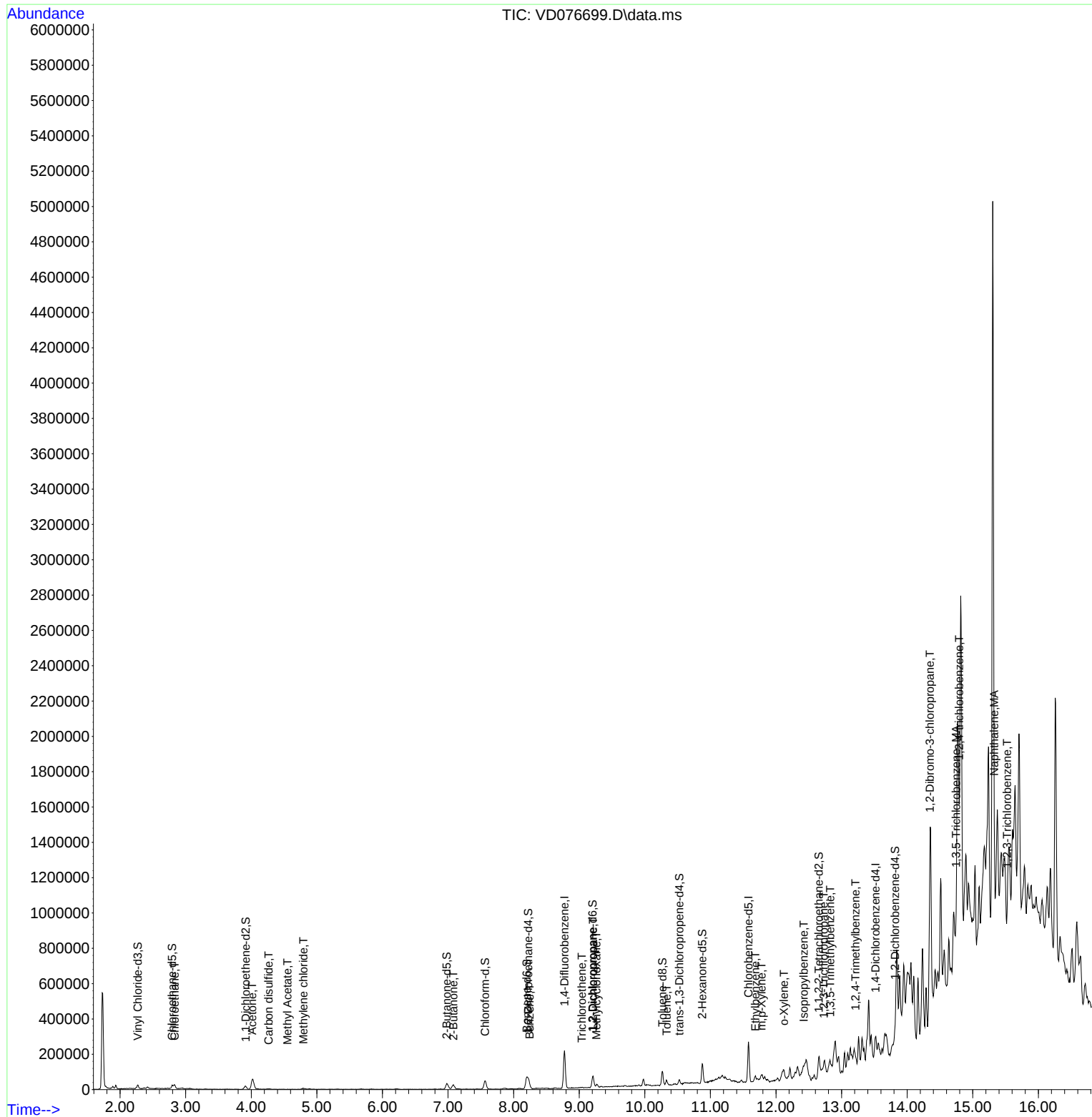
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	14.745	180	948	0.567	ug/L	88
70) 1,2,4-trichlorobenzene	14.792	180	1049	0.705	ug/L	87
71) Naphthalene	15.328	128	2730	0.958	ug/L #	59
72) 1,2,3-Trichlorobenzene	15.522	180	1597	1.235	ug/L #	1

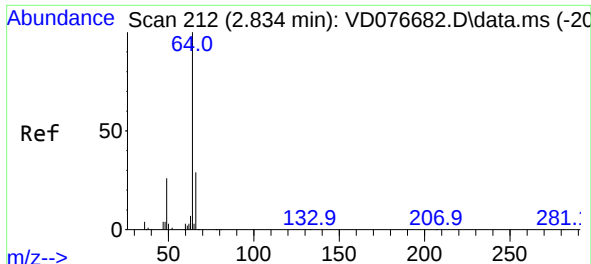
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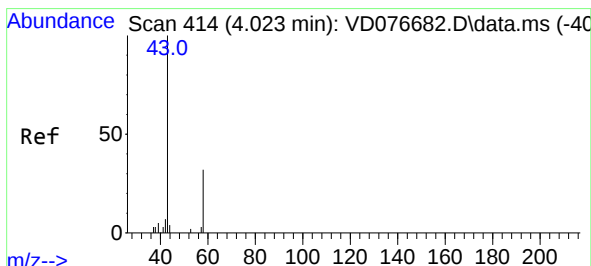
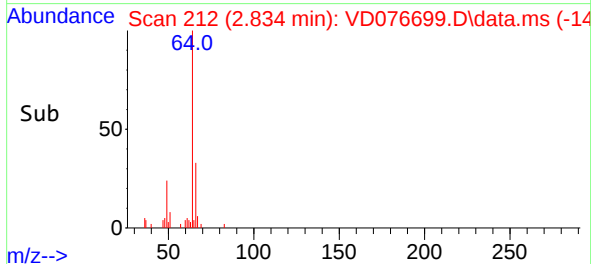
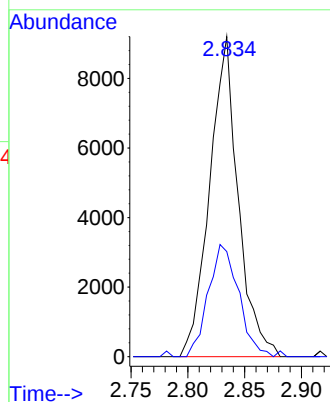
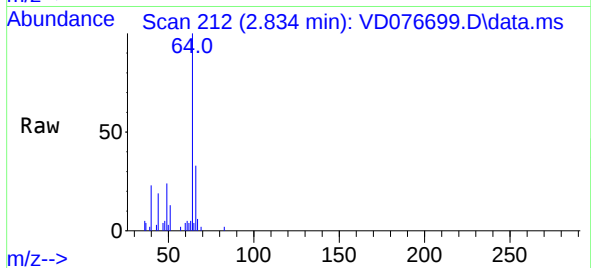




#8
Chloroethane
Concen: 5.197 ug/L
RT: 2.834 min Scan# 212
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

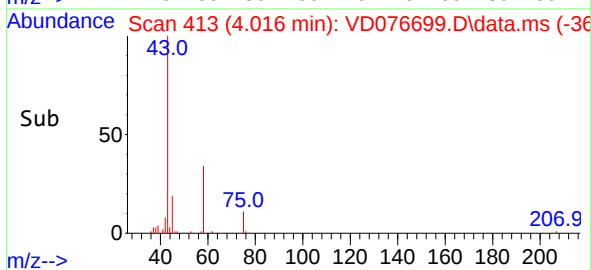
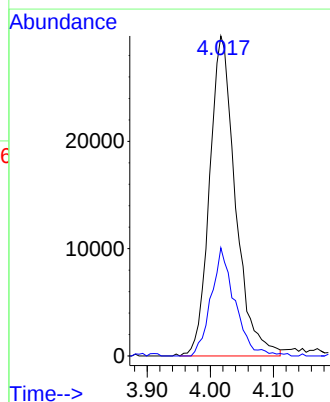
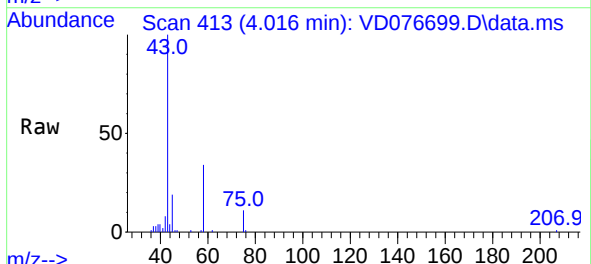
Instrument :
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ClientSampleId :
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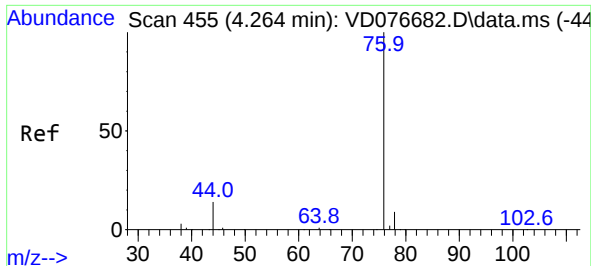
Tgt Ion: 64 Resp: 16103
Ion Ratio Lower Upper
64 100
66 32.8 22.1 41.1



#13
Acetone
Concen: 157.426 ug/L
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion: 43 Resp: 84894
Ion Ratio Lower Upper
43 100
58 30.3 0.0 67.4

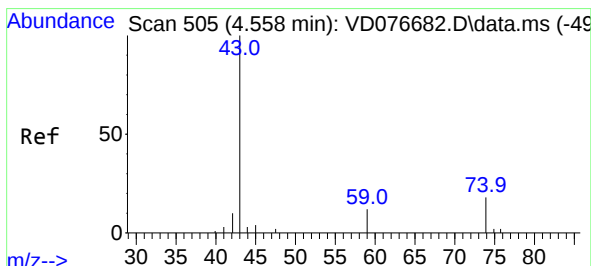
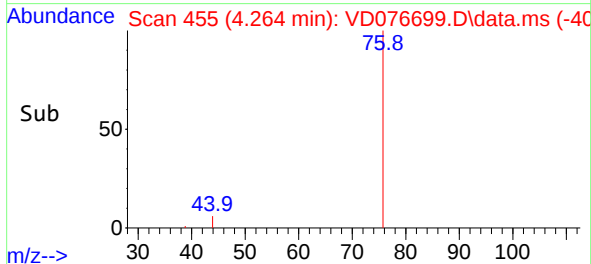
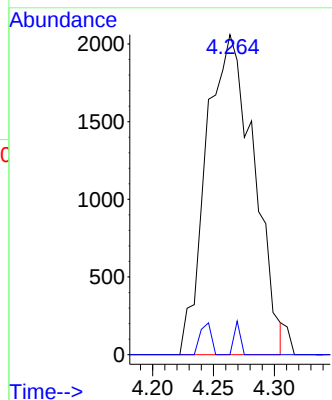
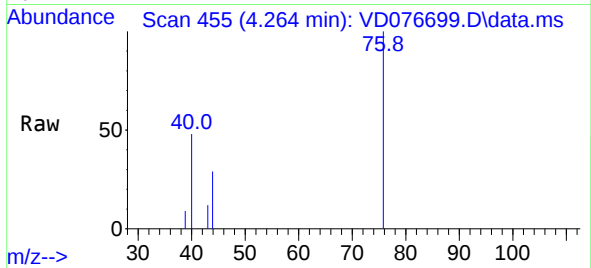




#14
Carbon disulfide
Concen: 0.656 ug/L
RT: 4.264 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

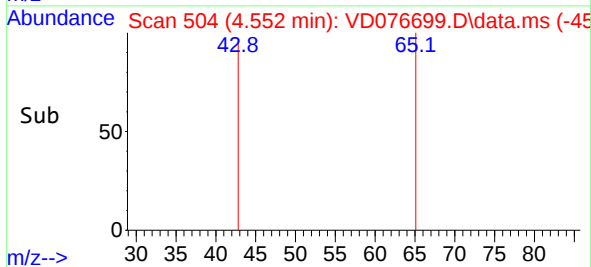
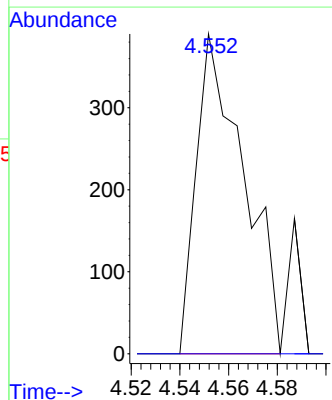
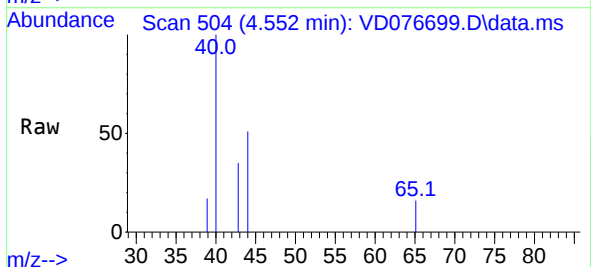
Instrument :
MSVOA_D
ClientSampleId :
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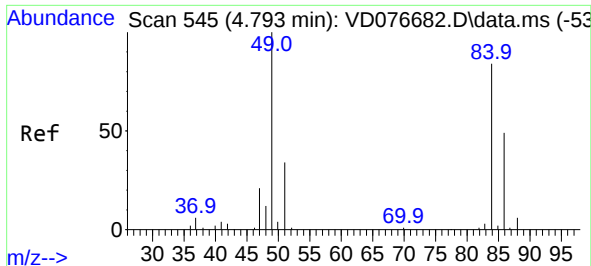
Tgt Ion: 76 Resp: 5586
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#15
Methyl Acetate
Concen: 0.428 ug/L
RT: 4.552 min Scan# 504
Delta R.T. -0.006 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

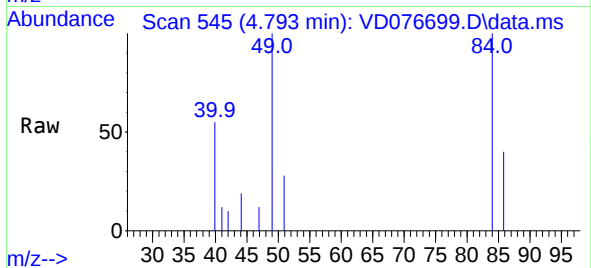
Tgt Ion: 43 Resp: 527
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



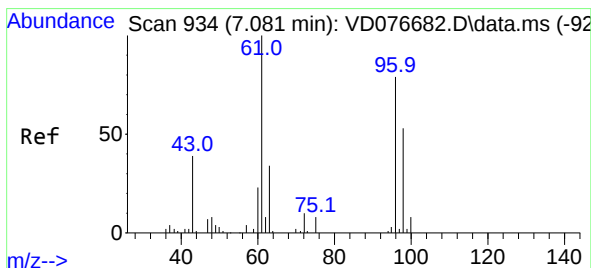
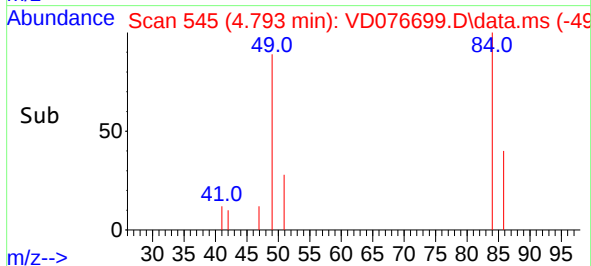
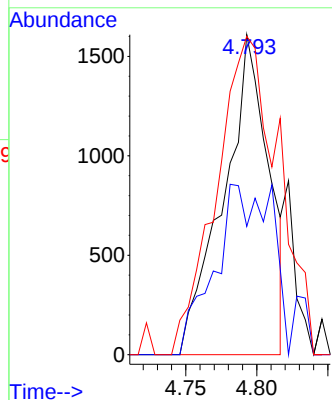


#16
Methylene chloride
Concen: 1.129 ug/L
RT: 4.793 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Instrument :
MSVOA_D
ClientSampleId :
A46Y0RE

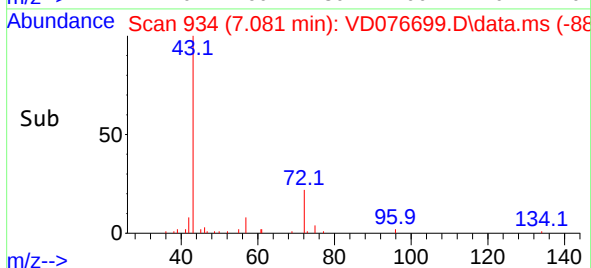
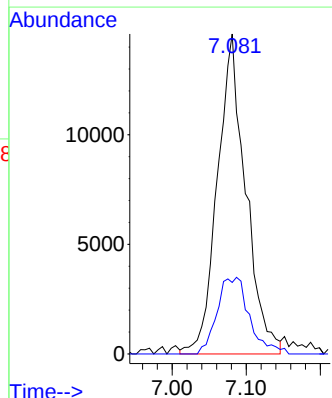
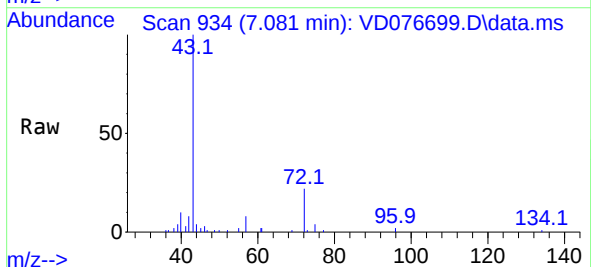


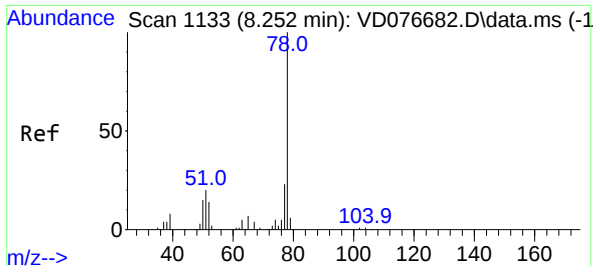
Tgt Ion: 84 Resp: 3553
Ion Ratio Lower Upper
84 100
86 40.1 45.1 83.9#
49 99.5 97.2 180.6



#22
2-Butanone
Concen: 44.430 ug/L
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion: 43 Resp: 38666
Ion Ratio Lower Upper
43 100
72 14.1 12.9 38.7

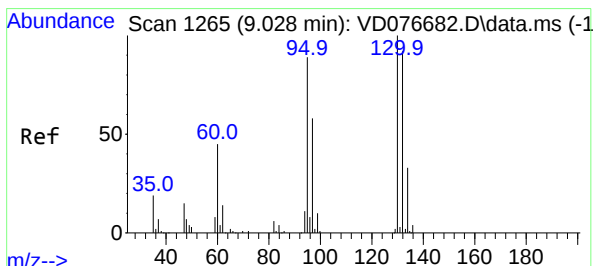
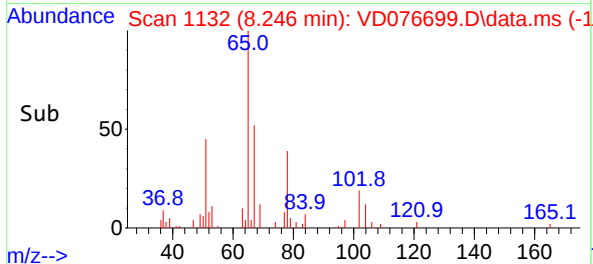
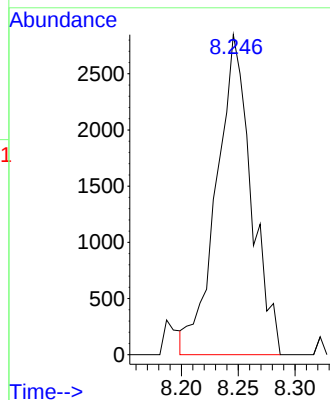
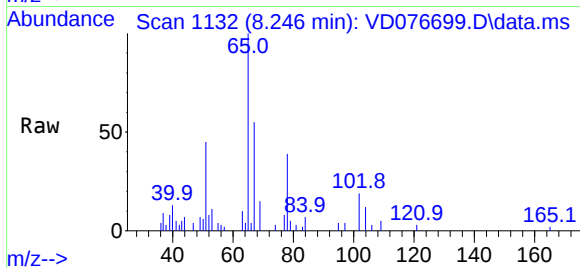




#33
Benzene
Concen: 0.743 ug/L
RT: 8.246 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

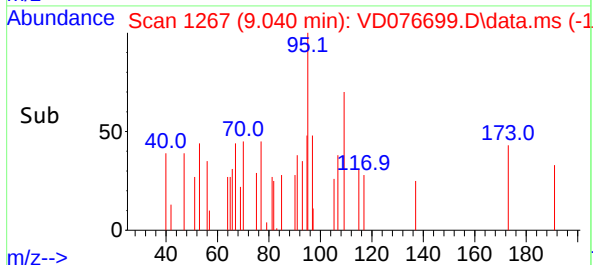
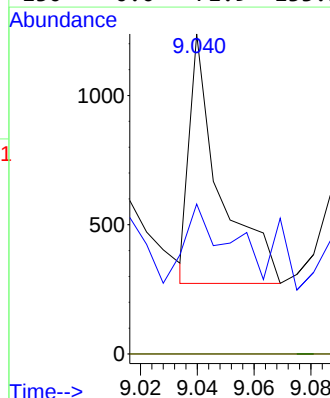
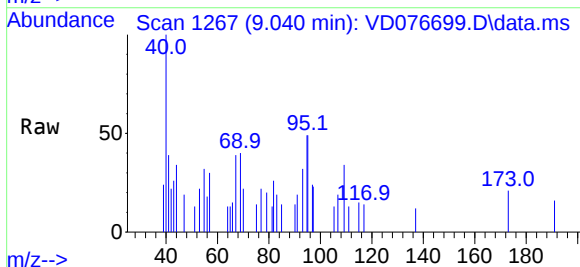
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ClientSampleId :
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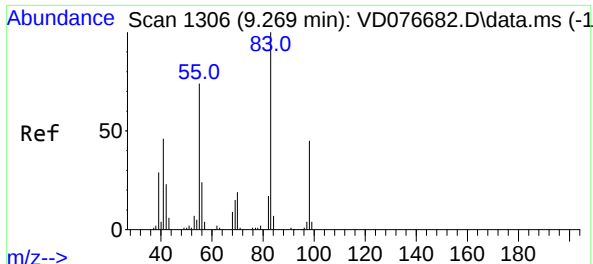
Tgt Ion: 78 Resp: 6056



#34
Trichloroethene
Concen: 0.340 ug/L
RT: 9.040 min Scan# 1267
Delta R.T. 0.012 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion: 95 Resp: 713
Ion Ratio Lower Upper
95 100
97 46.8 43.1 80.1
132 0.0 71.8 133.4#
130 0.0 71.9 133.5#

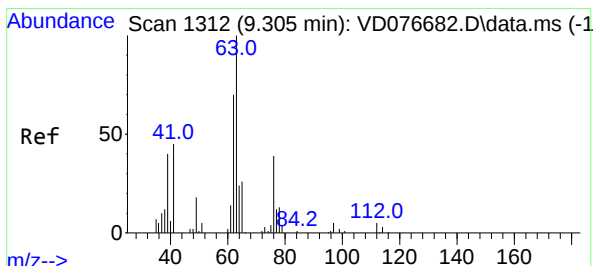
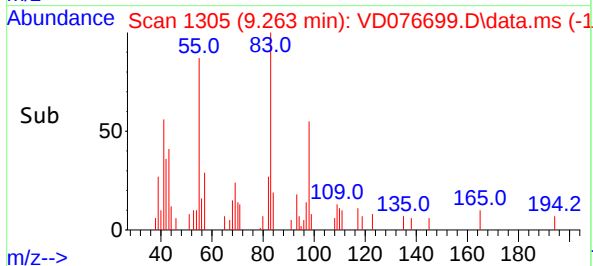
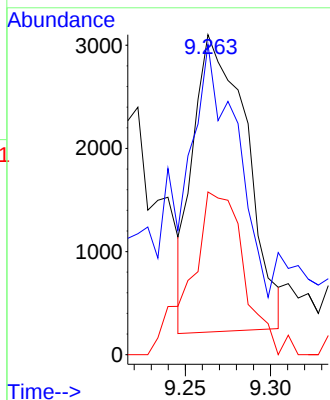
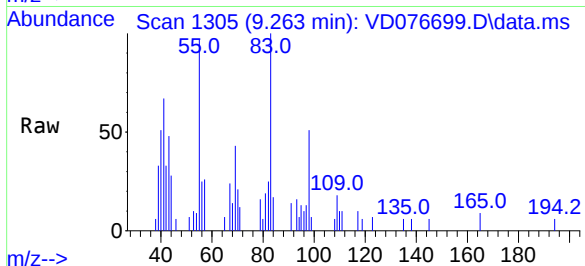




#35
Methylcyclohexane
Concen: 1.850 ug/L
RT: 9.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

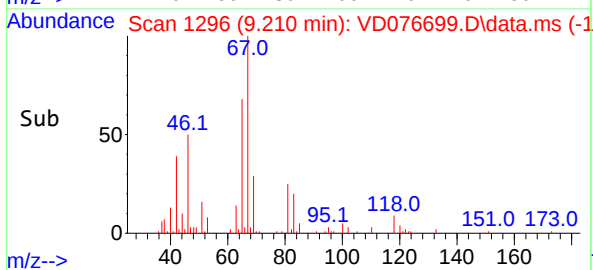
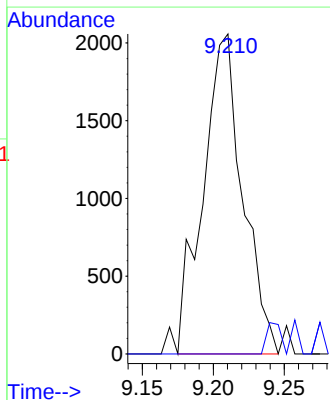
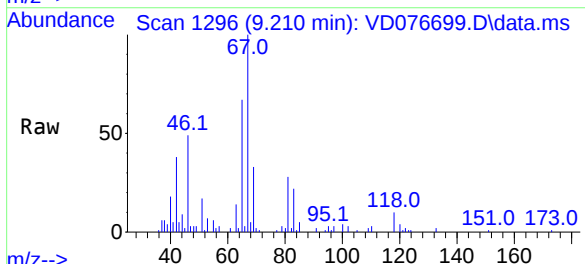
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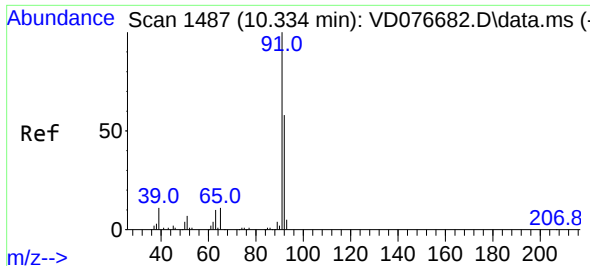
Tgt Ion: 83 Resp: 6250
Ion Ratio Lower Upper
83 100
55 26.1 59.8 89.6#
98 54.6 37.8 56.6



#37
1,2-Dichloropropane
Concen: 1.804 ug/L
RT: 9.210 min Scan# 1296
Delta R.T. -0.094 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion: 63 Resp: 4010
Ion Ratio Lower Upper
63 100
112 3.4 3.1 4.7

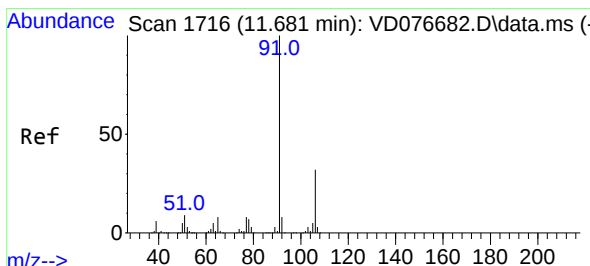
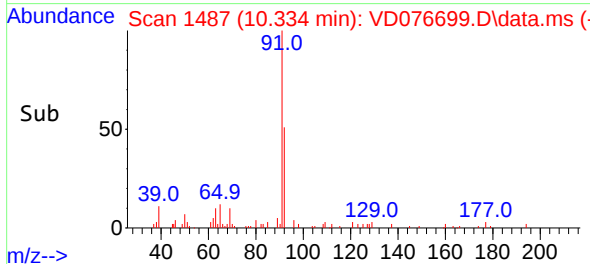
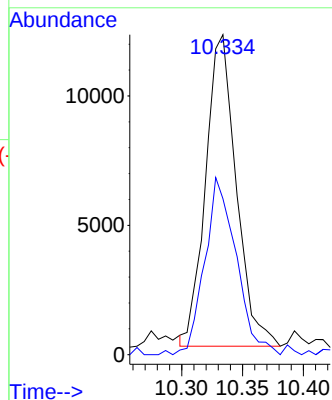
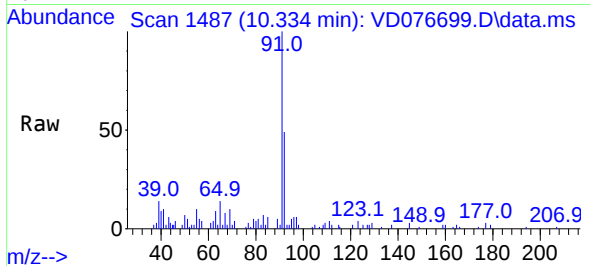




#42
Toluene
Concen: 2.425 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

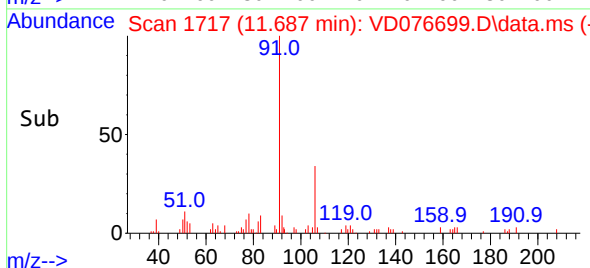
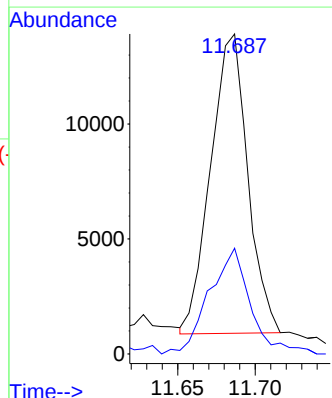
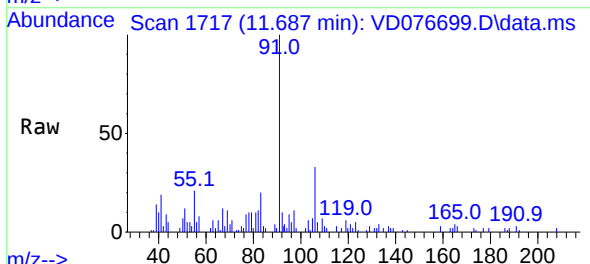
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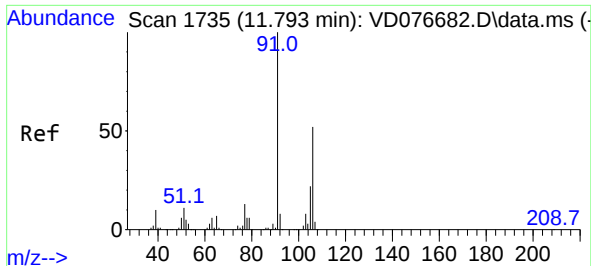
Tgt Ion: 91 Resp: 21133
Ion Ratio Lower Upper
91 100
92 48.8 39.3 73.1



#52
Ethylbenzene
Concen: 2.305 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion: 91 Resp: 21646
Ion Ratio Lower Upper
91 100
106 33.1 22.4 41.6

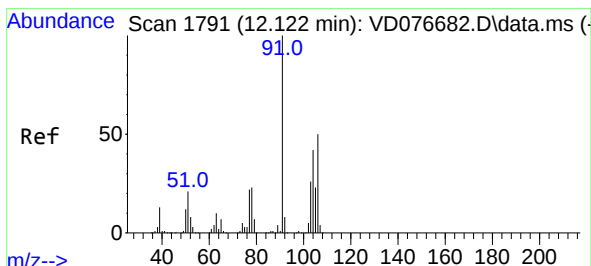
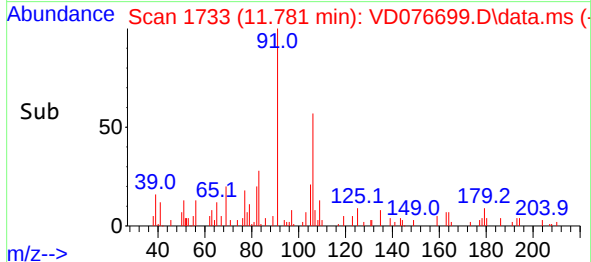
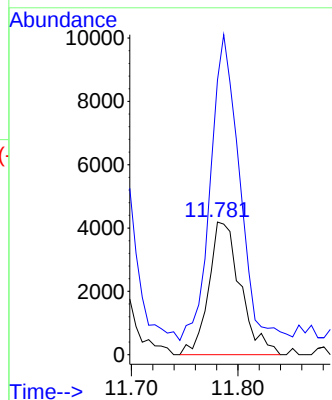
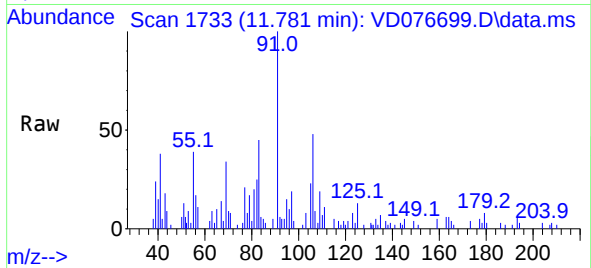




#53
m,p-Xylene
Concen: 2.356 ug/L
RT: 11.781 min Scan# 1733
Delta R.T. -0.012 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

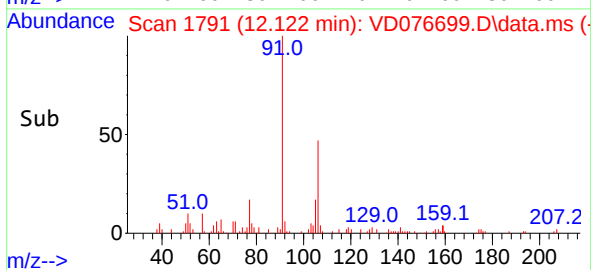
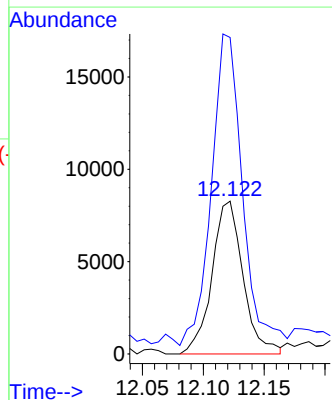
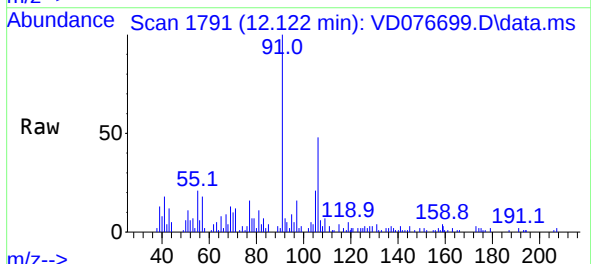
Instrument :
MSVOA_D
ClientSampleId :
A46Y0RE

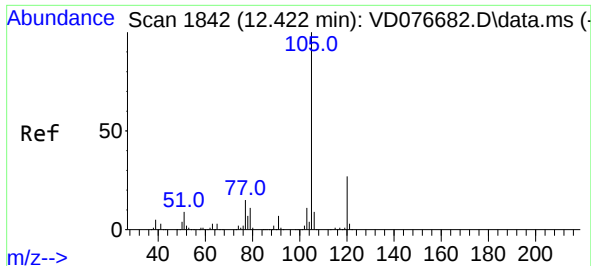
Tgt Ion:106 Resp: 8696
Ion Ratio Lower Upper
106 100
91 207.1 141.5 262.9



#54
o-Xylene
Concen: 4.186 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion:106 Resp: 14709
Ion Ratio Lower Upper
106 100
91 207.2 142.2 264.2

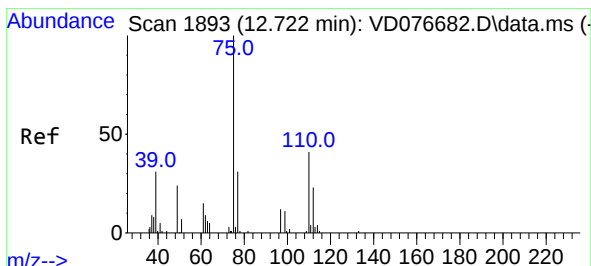
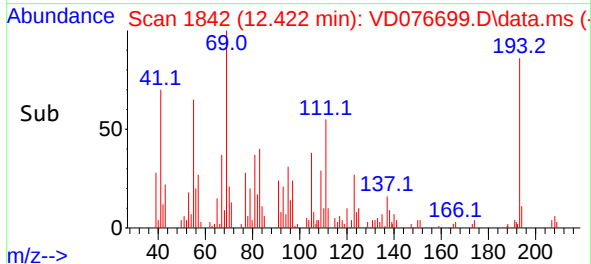
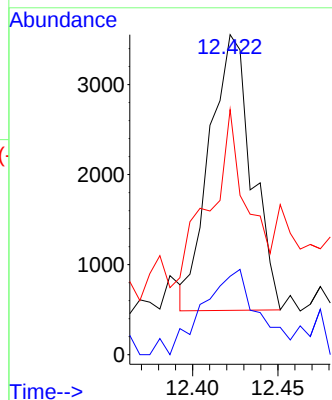
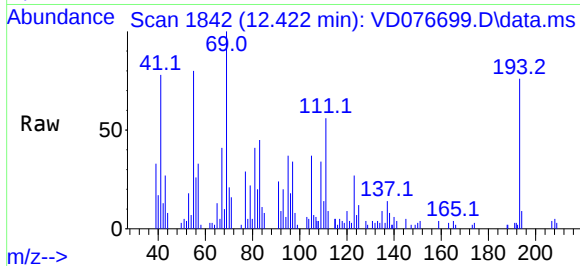




#60
Isopropylbenzene
Concen: 0.936 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

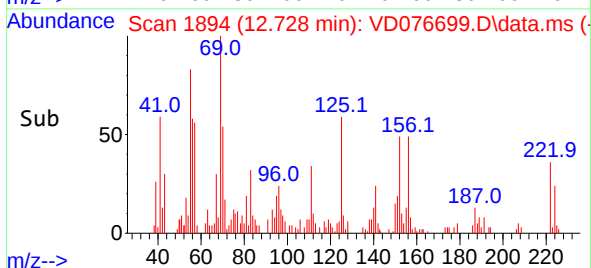
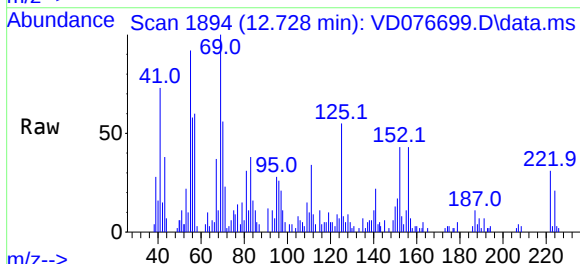
Instrument :
MSVOA_D
ClientSampleId :
A46Y0RE

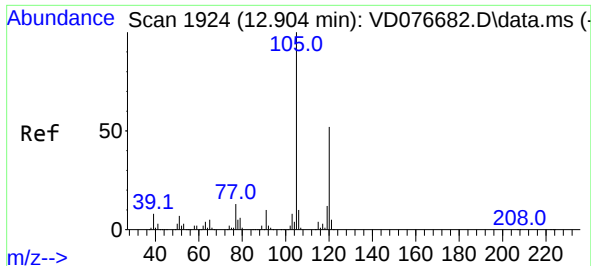
Tgt Ion:105 Resp: 5278
Ion Ratio Lower Upper
105 100
120 40.1 21.3 31.9#
77 25.6 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 1.008 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion: 75 Resp: 721
Ion Ratio Lower Upper
75 100
77 0.0 27.2 40.8#
110 80.4 31.8 47.6#

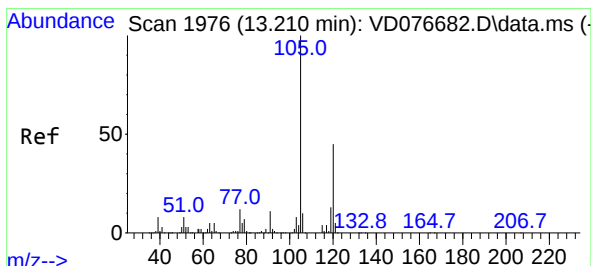
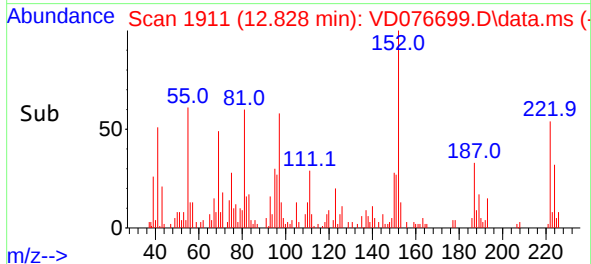
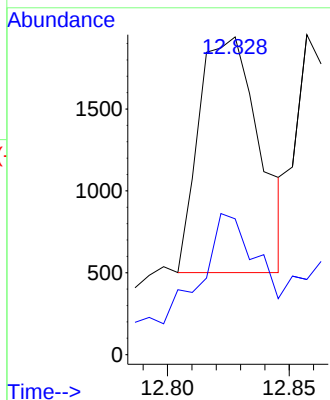
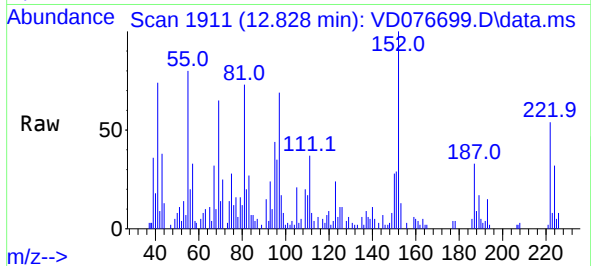




#62
1,3,5-Trimethylbenzene
Concen: 0.549 ug/L
RT: 12.828 min Scan# 1911
Delta R.T. -0.077 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

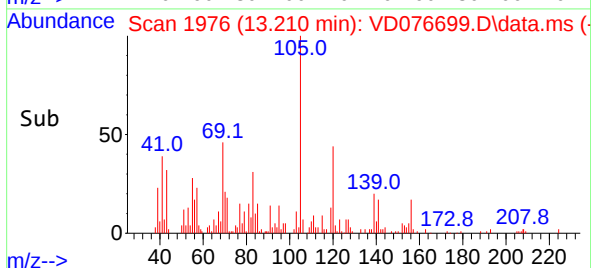
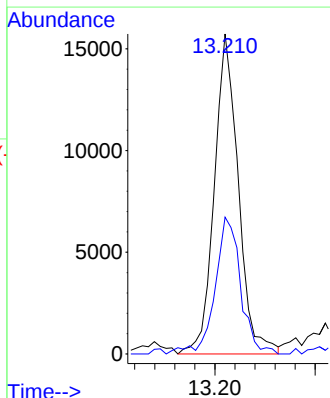
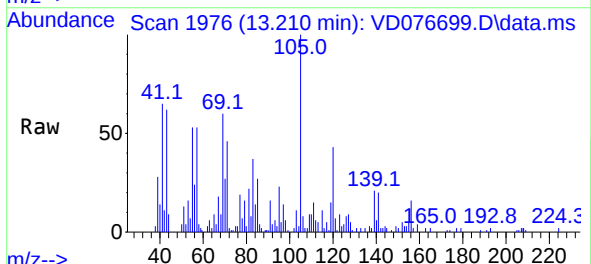
Instrument :
MSVOA_D
ClientSampleId :
A46Y0RE

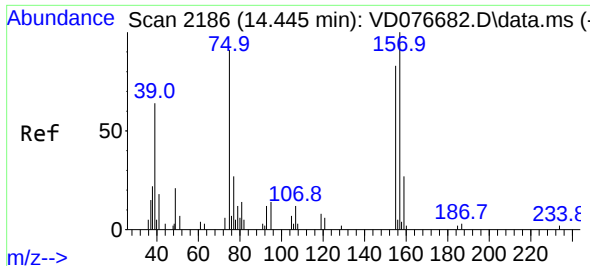
Tgt Ion:105 Resp: 2478
Ion Ratio Lower Upper
105 100
120 52.5 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 5.877 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion:105 Resp: 26162
Ion Ratio Lower Upper
105 100
120 42.3 37.5 56.3

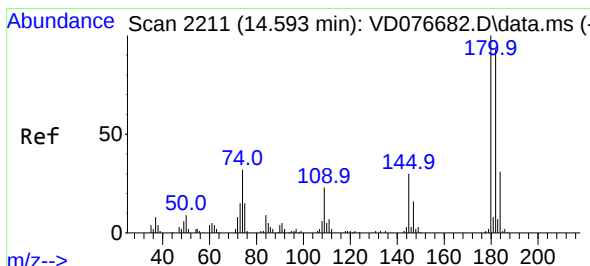
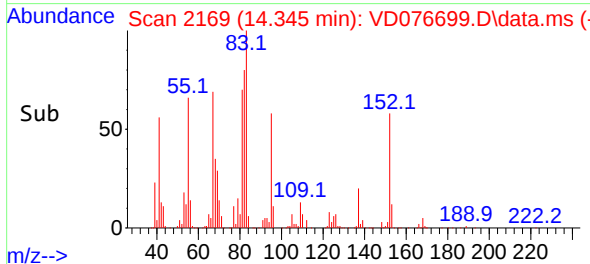
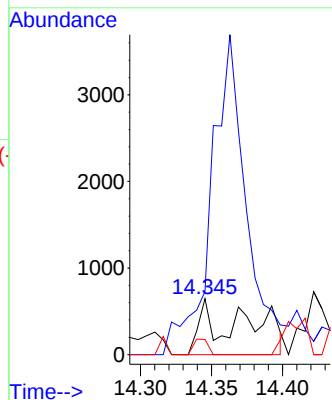
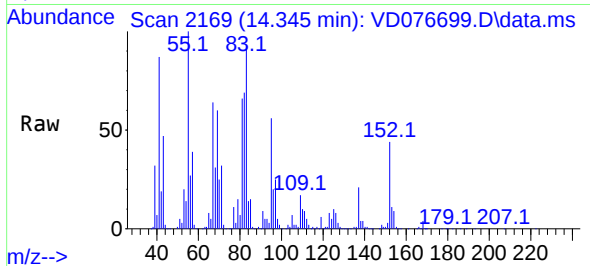




#68
1,2-Dibromo-3-chloropropane
Concen: 8.693 ug/L
RT: 14.345 min Scan# 2186
Delta R.T. -0.100 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

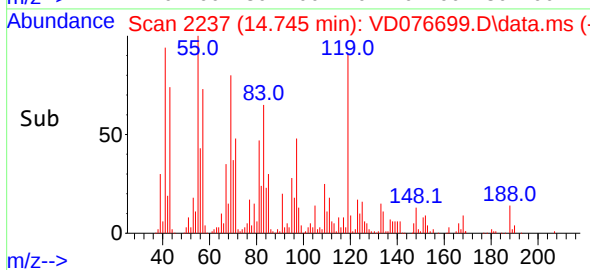
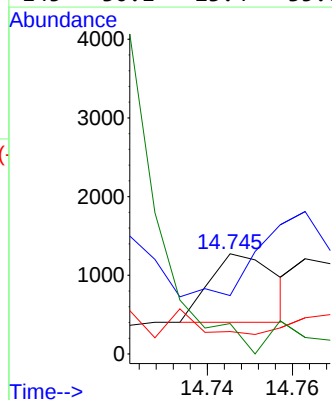
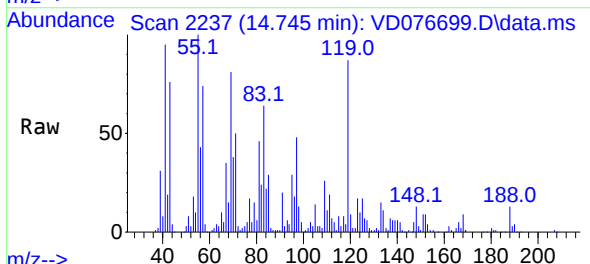
Instrument :
MSVOA_D
ClientSampleId :
A46Y0RE

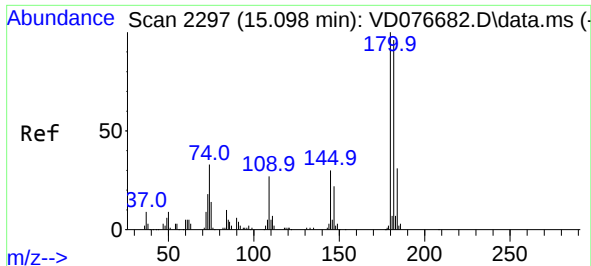
Tgt Ion: 75 Resp: 1386
Ion Ratio Lower Upper
75 100
155 112.8 76.2 114.4
157 27.1 89.4 134.2#



#69
1,3,5-Trichlorobenzene
Concen: 0.567 ug/L
RT: 14.745 min Scan# 2237
Delta R.T. 0.153 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

Tgt Ion:180 Resp: 948
Ion Ratio Lower Upper
180 100
182 115.4 77.1 115.7
184 31.5 25.0 37.4
145 30.1 23.4 35.0

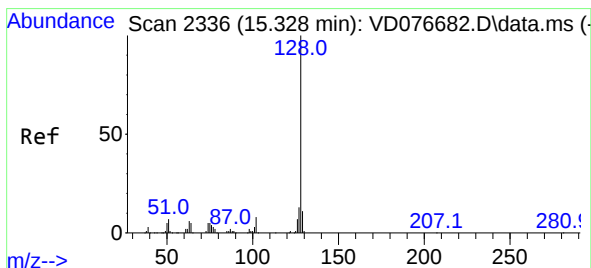
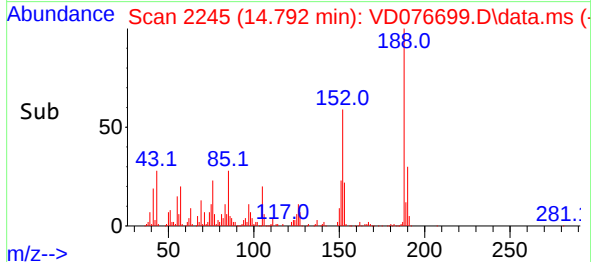
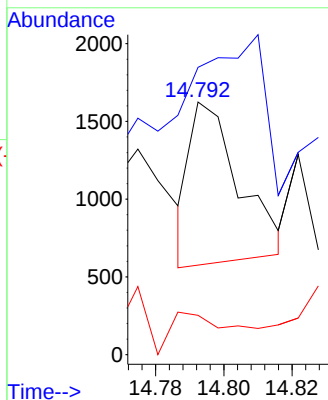
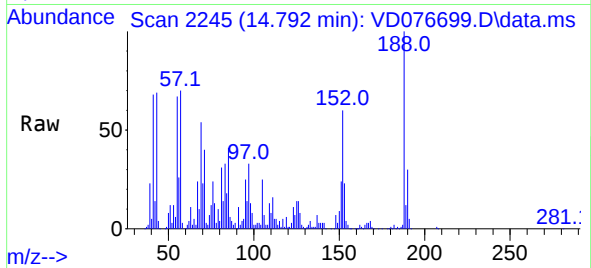




#70
1,2,4-trichlorobenzene
Concen: 0.705 ug/L
RT: 14.792 min Scan# 21
Delta R.T. -0.306 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

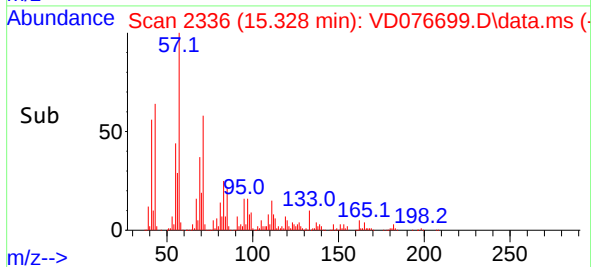
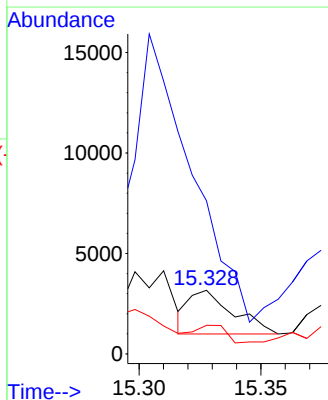
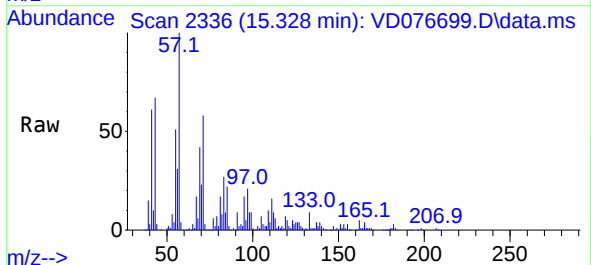
Instrument :
MSVOA_D
ClientSampleId :
A46Y0RE

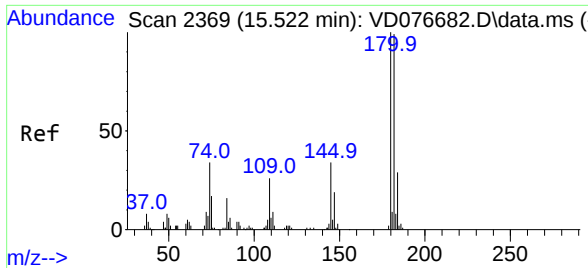
Tgt Ion:180 Resp: 1049
Ion Ratio Lower Upper
180 100
182 82.6 76.9 115.3
145 23.5 23.5 35.3



#71
Naphthalene
Concen: 0.958 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD076699.D
Acq: 03 Jul 2023 18:15

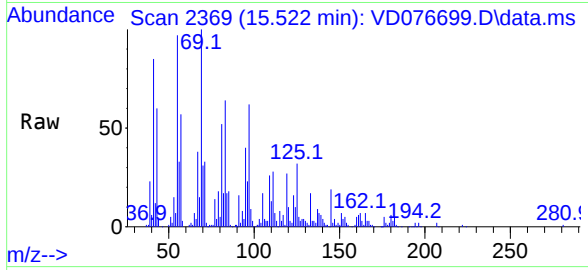
Tgt Ion:128 Resp: 2730
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 29.7 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.235 ug/L
 RT: 15.522 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD076699.D
 Acq: 03 Jul 2023 18:15

Instrument :
 MSVOA_D
 ClientSampleId :
 A46Y0RE



Tgt Ion:180 Resp: 1597
 Ion Ratio Lower Upper
 180 100
 182 0.0 74.3 111.5#
 145 1468.1 25.0 37.6#

