

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052621\
 Data File : VX022182.D
 Acq On : 25 May 2021 17:26
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 26 02:35:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML052621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 25 17:28:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	161676	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	142743	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	61535	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	65156	52.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.94%
7) Chloroethane-d5	1.666	69	52134	56.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.24%
11) 1,1-Dichloroethene-d2	2.306	63	95399	42.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.64%
21) 2-Butanone-d5	4.471	46	107837	110.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.82%
24) Chloroform-d	5.068	84	118209	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
26) 1,2-Dichloroethane-d4	5.964	65	77798	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
32) Benzene-d6	5.983	84	253957	55.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.84%
36) 1,2-Dichloropropane-d6	7.318	67	79165	55.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.24%
41) Toluene-d8	8.653	98	225447	54.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.22%
43) trans-1,3-Dichloroprop...	8.952	79	38232	54.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.18%
47) 2-Hexanone-d5	9.391	63	78729	113.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.38%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	103677	52.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.56%
66) 1,2-Dichlorobenzene-d4	12.323	152	70360	54.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.54%

Target Compounds

					Qvalue
3) Chloromethane	1.294	50	964	0.82 ug/L	89
5) Vinyl chloride	1.374	62	1187	0.93 ug/L #	1
6) Bromomethane	1.605	94	1329	2.16 ug/L	88
12) 1,1-Dichloroethene	2.313	96	1519	1.50 ug/L #	1
14) Carbon disulfide	2.514	76	7488	2.54 ug/L #	91
15) Methyl Acetate	2.715	43	1072	0.79 ug/L #	48
16) Methylene chloride	2.788	84	1618	1.29 ug/L	88
17) trans-1,2-Dichloroethene	3.093	96	1390	1.24 ug/L	75
34) Trichloroethene	7.129	95	1090	0.93 ug/L #	76
35) Methylcyclohexane	7.391	83	2124	1.10 ug/L	95
42) Toluene	8.720	91	6152	1.26 ug/L	88
46) Tetrachloroethene	9.275	164	815	1.04 ug/L #	73
50) 1,2-Dibromoethane	9.616	107	836	0.71 ug/L #	85
51) Chlorobenzene	10.086	112	2389	0.78 ug/L	94
53) m,p-Xylene	10.305	106	1811	0.87 ug/L	97
60) Isopropylbenzene	10.970	105	3568	0.72 ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	3311	0.79 ug/L	96
63) 1,2,4-Trimethylbenzene	11.756	105	3916	0.93 ug/L	100
64) 1,3-Dichlorobenzene	11.975	146	2248	1.12 ug/L	87

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Quant Time: May 26 02:35:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML052621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 25 17:28:06 2021
 Response via : Initial Calibration

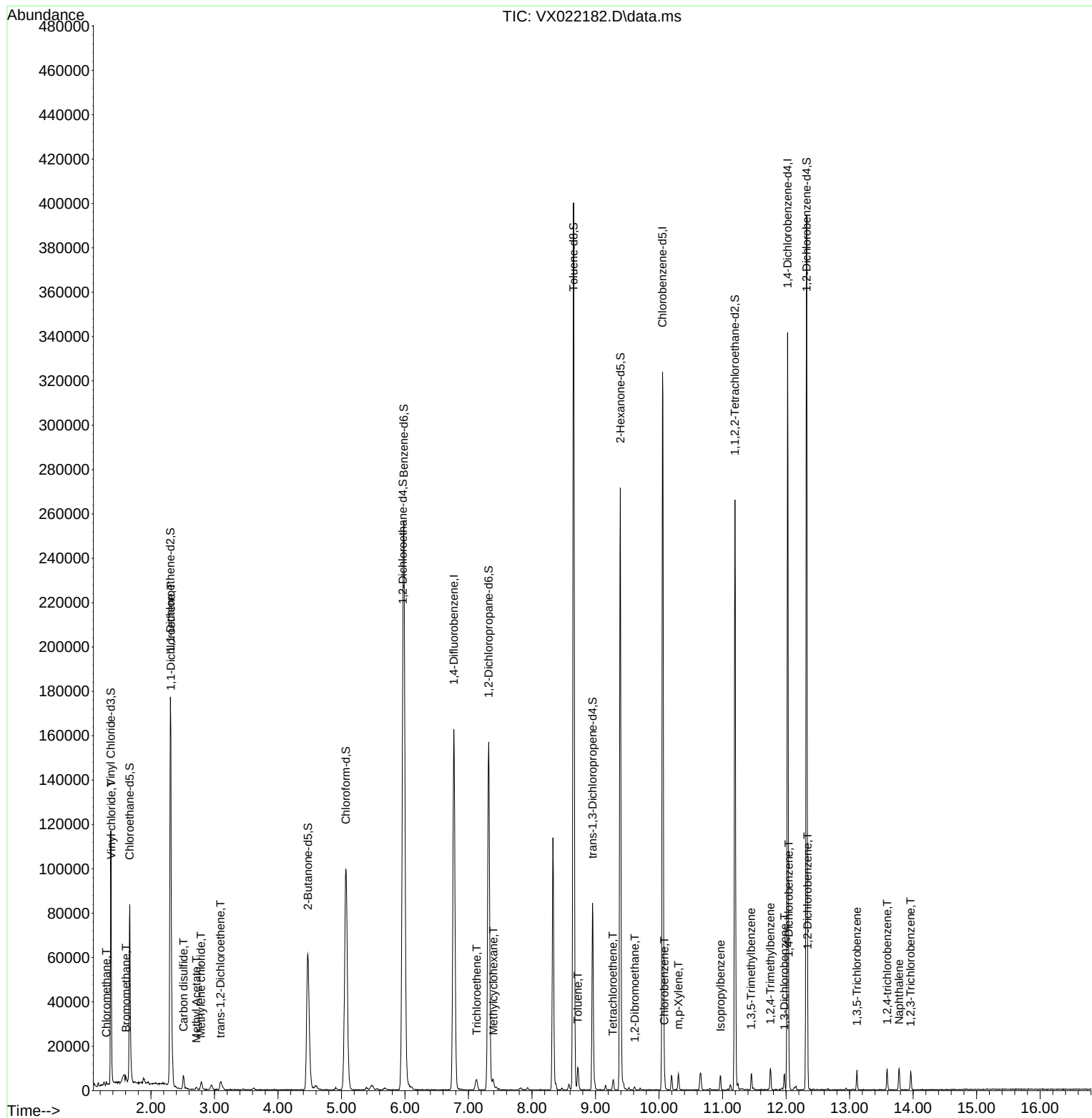
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	12.043	146	2827	1.41	ug/L	94
67) 1,2-Dichlorobenzene	12.341	146	1944	0.96	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.115	180	1844	1.43	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	2023	1.73	ug/L	93
71) Naphthalene	13.780	128	6178	1.27	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	1808	1.54	ug/L	90

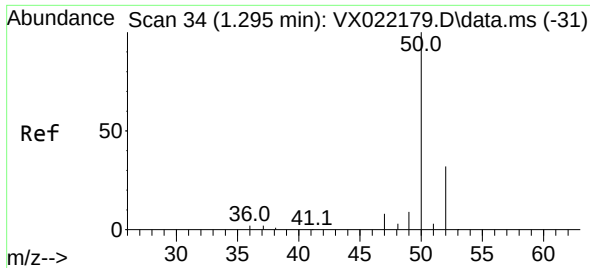
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue May 25 17:28:06 2021
Response via : Initial Calibration

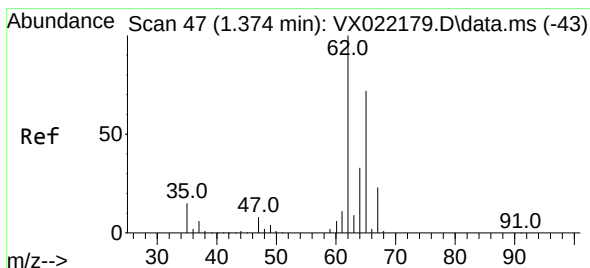
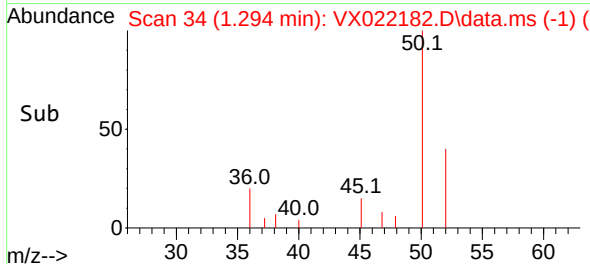
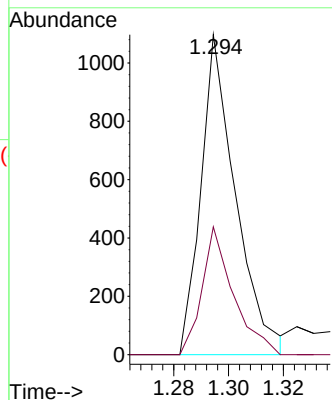
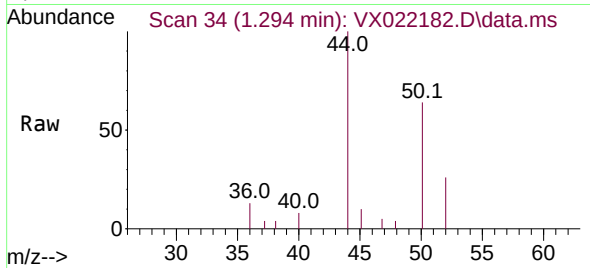




#3
Chloromethane
Concen: 0.82 ug/L
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

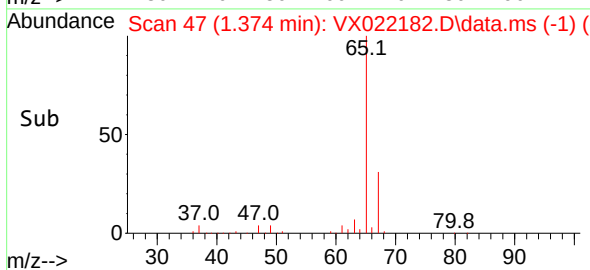
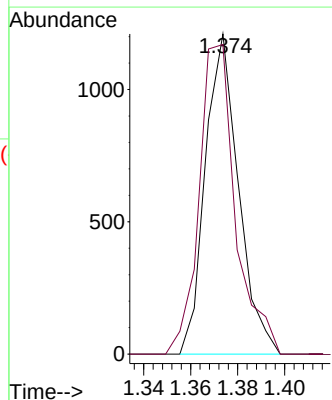
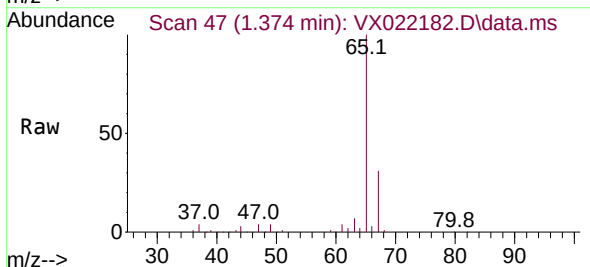
Instrument :
MSVOA_X
ClientSampled :

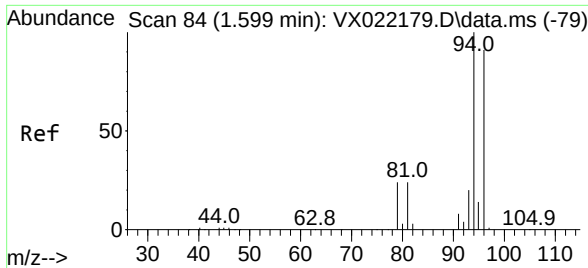
Tgt Ion: 50 Resp: 964
Ion Ratio Lower Upper
50 100
52 39.9 23.7 43.9



#5
Vinyl chloride
Concen: 0.93 ug/L
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion: 62 Resp: 1187
Ion Ratio Lower Upper
62 100
64 96.7 22.7 42.3#

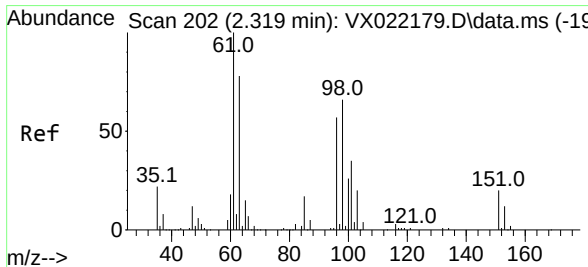
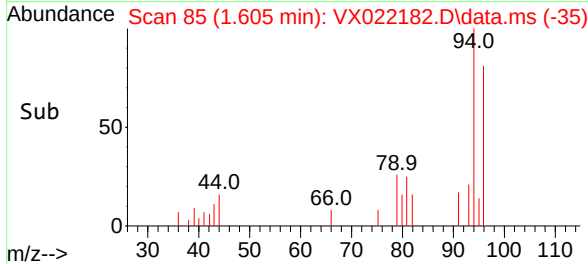
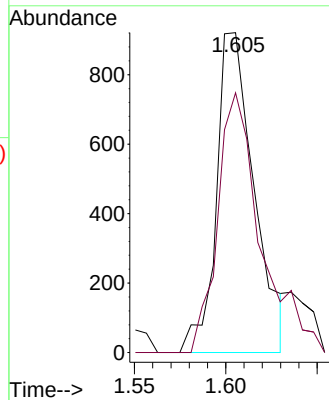
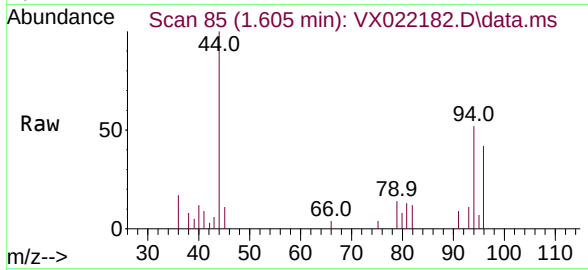




#6
Bromomethane
Concen: 2.16 ug/L
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

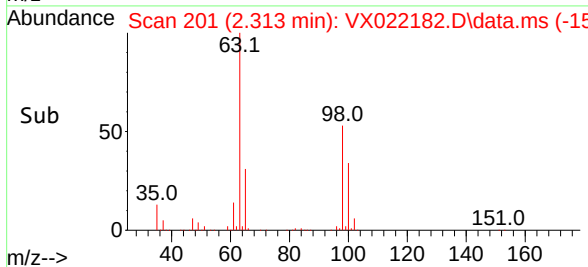
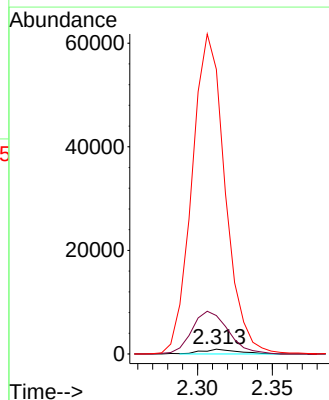
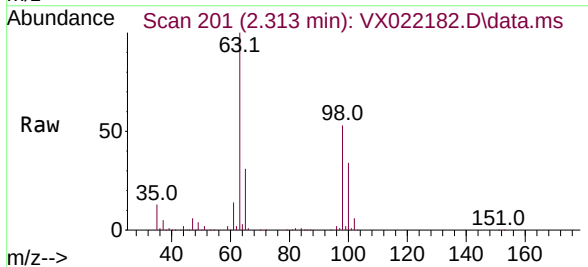
Instrument :
MSVOA_X
ClientSampled :

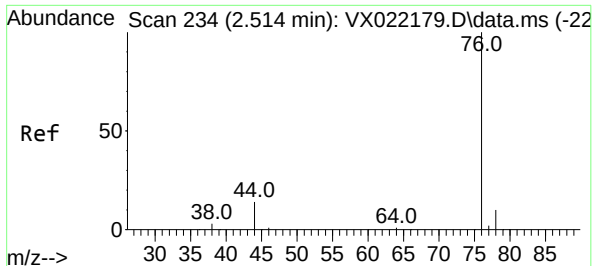
Tgt Ion: 94 Resp: 1329
Ion Ratio Lower Upper
94 100
96 81.2 64.8 120.3



#12
1,1-Dichloroethene
Concen: 1.50 ug/L
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

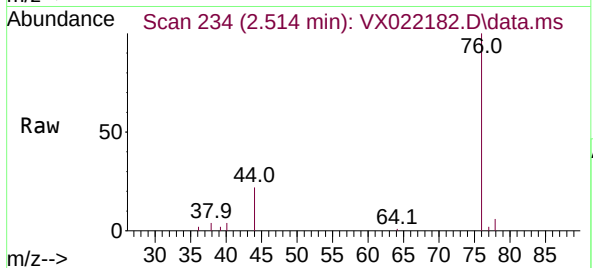
Tgt Ion: 96 Resp: 1519
Ion Ratio Lower Upper
96 100
61 796.7 115.5 214.5#
63 5898.7 77.3 143.7#



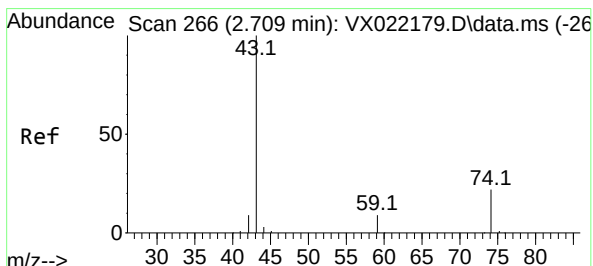
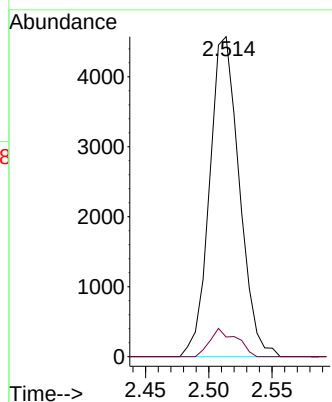
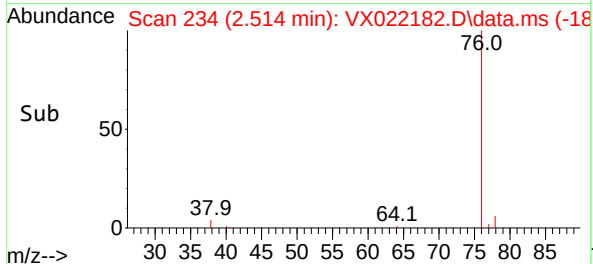


#14
Carbon disulfide
Concen: 2.54 ug/L
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

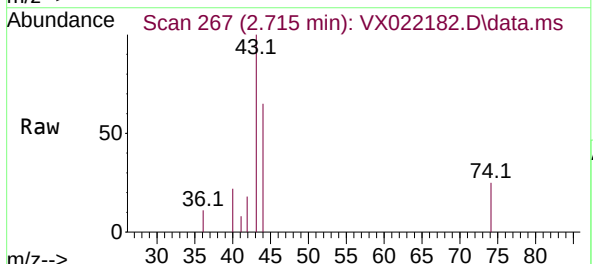
Instrument :
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ClientSampled :



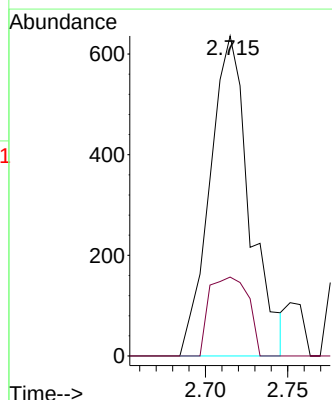
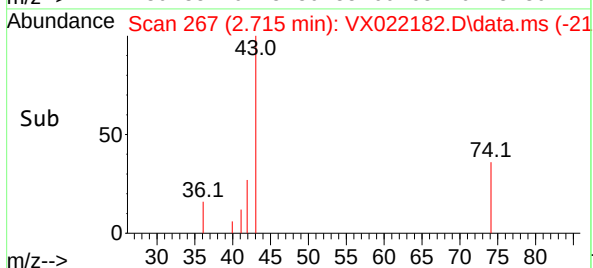
Tgt Ion: 76 Resp: 7488
Ion Ratio Lower Upper
76 100
78 6.1 7.6 11.4#

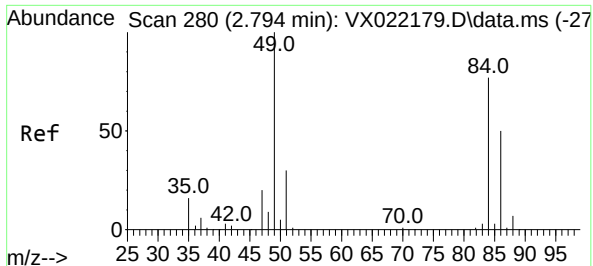


#15
Methyl Acetate
Concen: 0.79 ug/L
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26



Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
74 0.0 21.7 32.5#

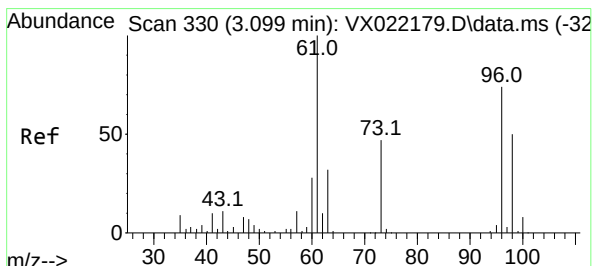
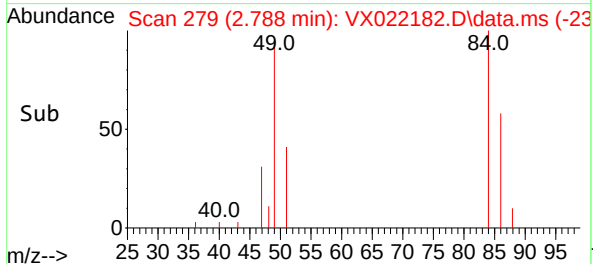
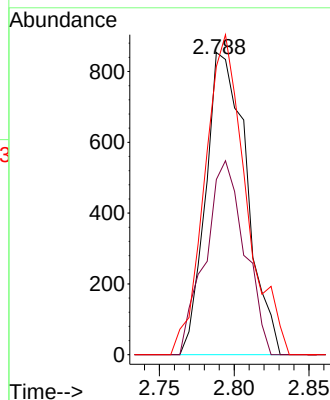
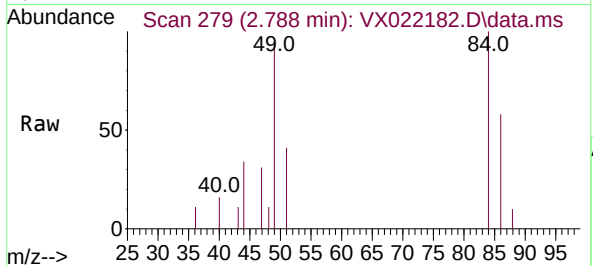




#16
Methylene chloride
Concen: 1.29 ug/L
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

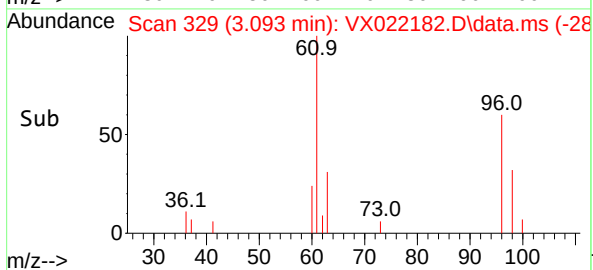
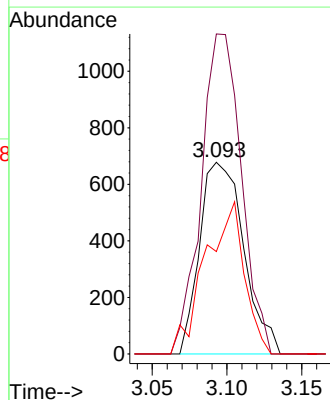
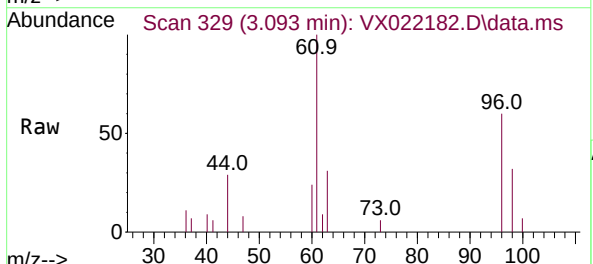
Instrument :
MSVOA_X
ClientSampled :

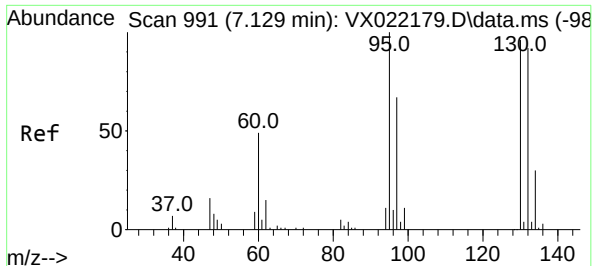
Tgt Ion: 84 Resp: 1618
Ion Ratio Lower Upper
84 100
86 58.0 44.2 82.0
49 95.3 77.8 144.6



#17
trans-1,2-Dichloroethene
Concen: 1.24 ug/L
RT: 3.093 min Scan# 329
Delta R.T. -0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion: 96 Resp: 1390
Ion Ratio Lower Upper
96 100
61 167.0 92.3 171.3
98 53.4 46.3 85.9



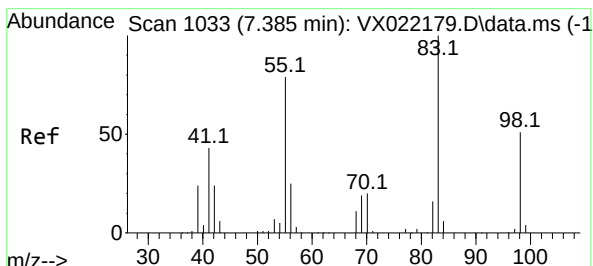
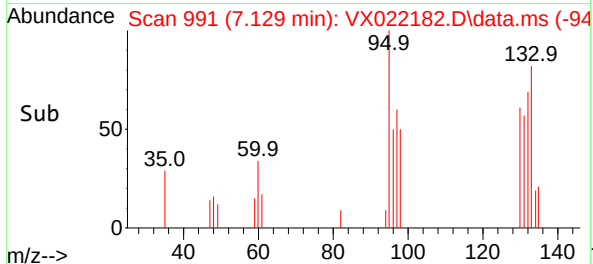
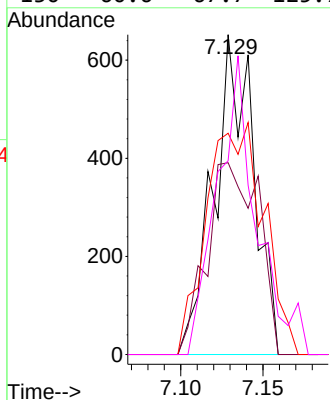
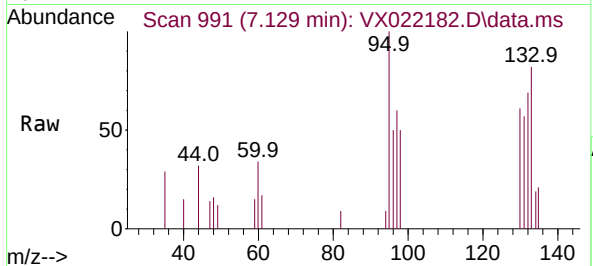


#34
Trichloroethene
Concen: 0.93 ug/L
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 95 Resp: 1090

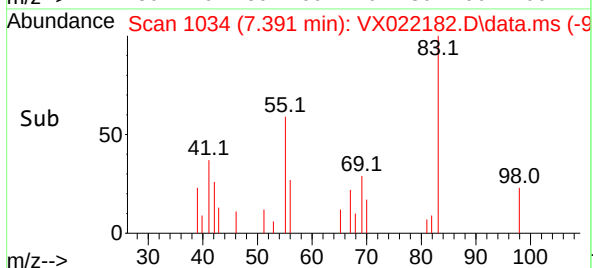
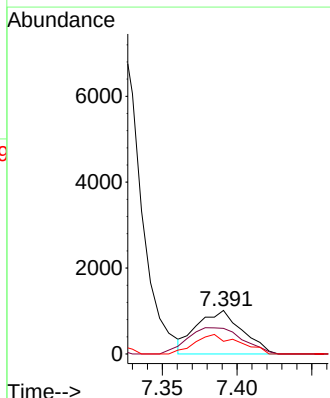
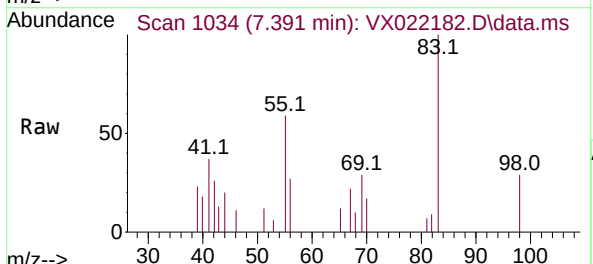
Ion	Ratio	Lower	Upper
95	100		
97	60.0	44.5	82.7
132	69.2	65.2	121.0
130	60.6	67.7	125.7

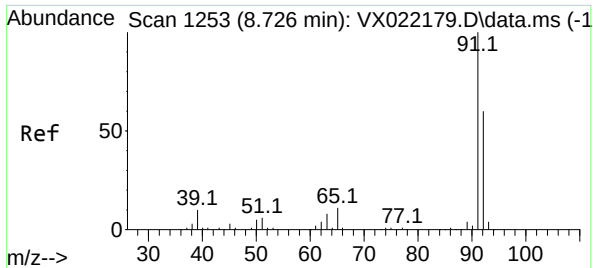


#35
Methylcyclohexane
Concen: 1.10 ug/L
RT: 7.391 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion: 83 Resp: 2124

Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.2	91.8
98	44.1	38.7	58.1

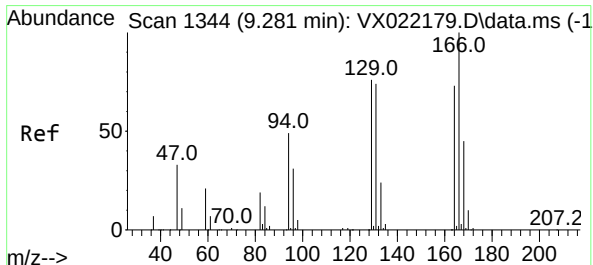
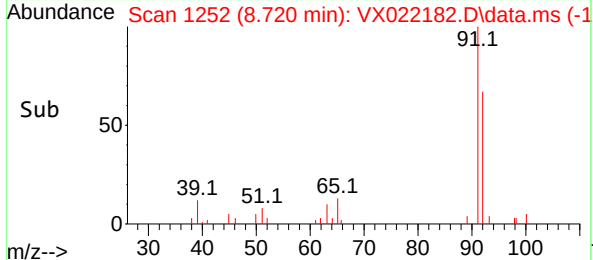
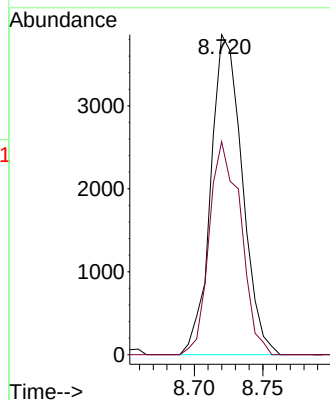
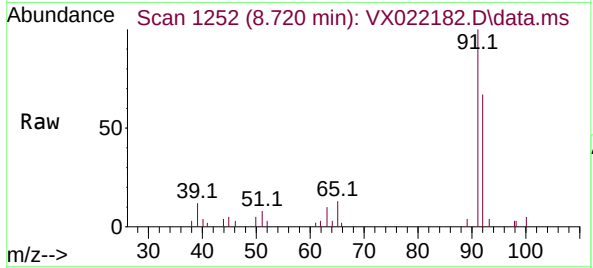




#42
Toluene
Concen: 1.26 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

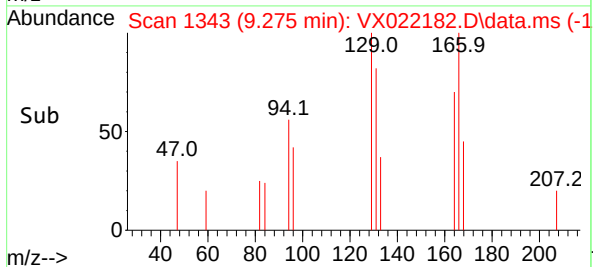
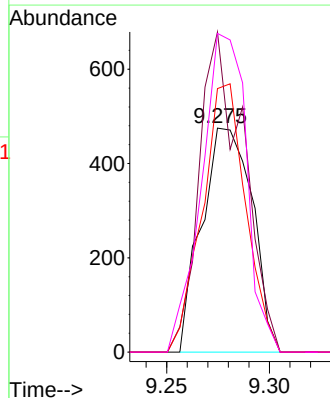
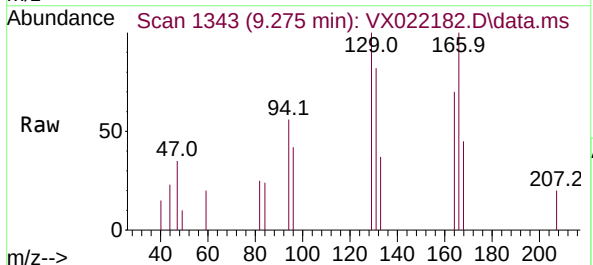
Instrument :
MSVOA_X
ClientSampled :

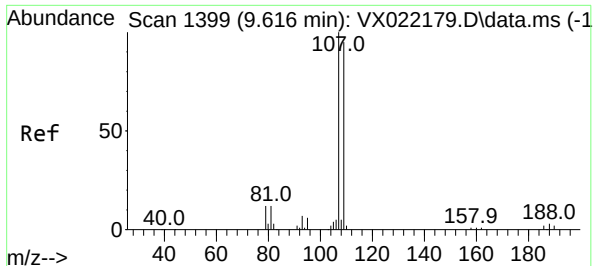
Tgt Ion: 91 Resp: 6152
Ion Ratio Lower Upper
91 100
92 66.6 40.5 75.1



#46
Tetrachloroethene
Concen: 1.04 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion: 164 Resp: 815
Ion Ratio Lower Upper
164 100
129 142.9 65.6 121.8#
131 117.7 63.7 118.3
166 142.3 93.0 172.6

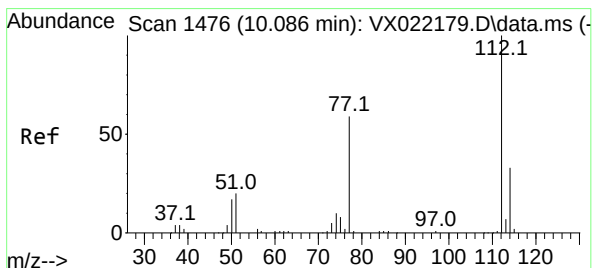
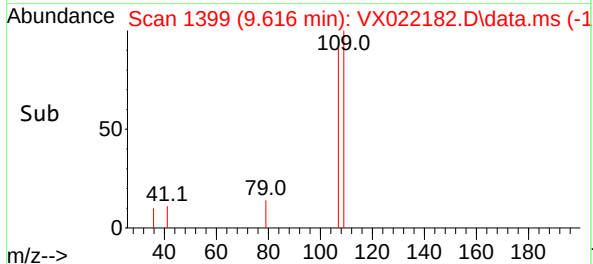
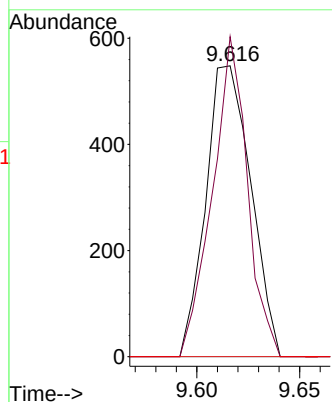
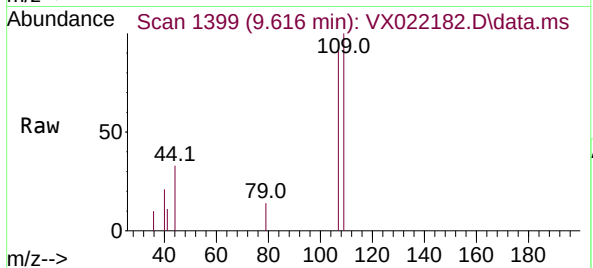




#50
1,2-Dibromoethane
Concen: 0.71 ug/L
RT: 9.616 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

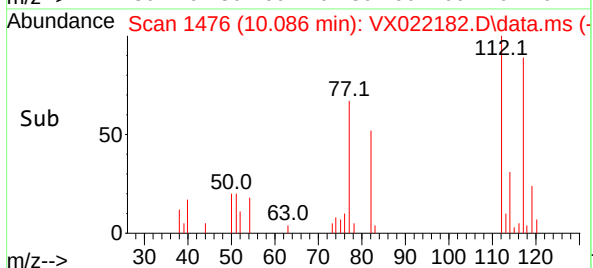
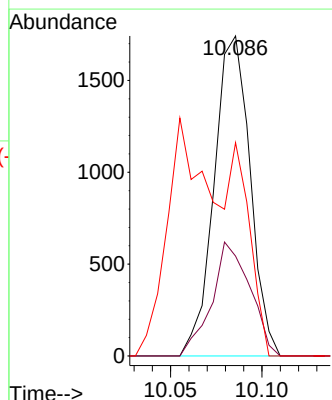
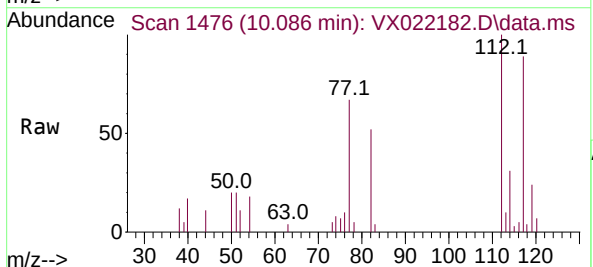
Instrument :
MSVOA_X
ClientSampled :

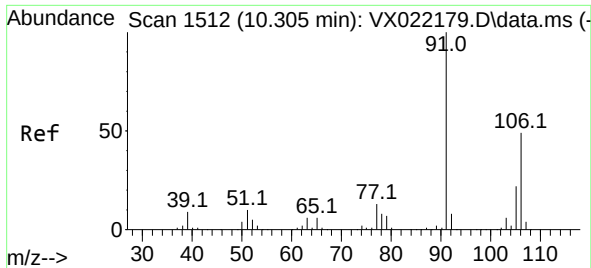
Tgt Ion:107 Resp: 836
Ion Ratio Lower Upper
107 100
109 110.0 66.4 123.4
188 0.0 3.2 4.8#



#51
Chlorobenzene
Concen: 0.78 ug/L
RT: 10.086 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion:112 Resp: 2389
Ion Ratio Lower Upper
112 100
114 31.2 23.2 43.2
77 66.6 48.4 72.6

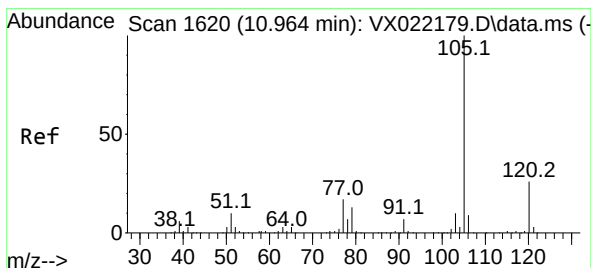
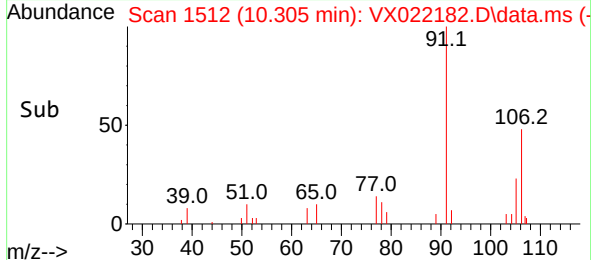
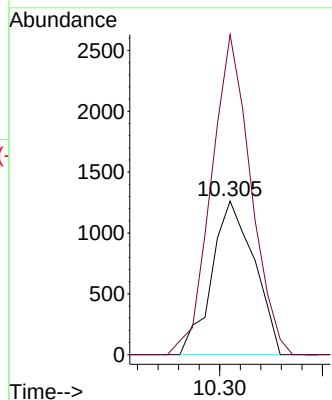
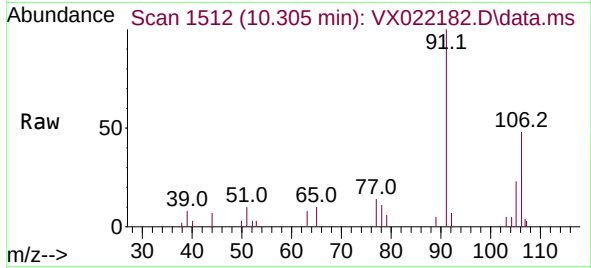




#53
m,p-Xylene
Concen: 0.87 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

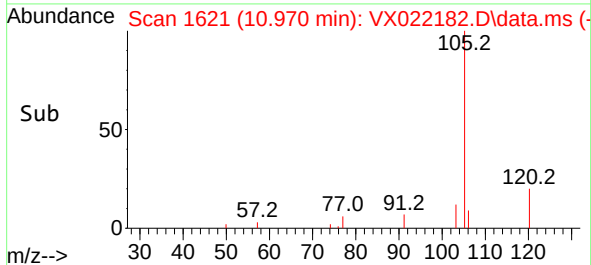
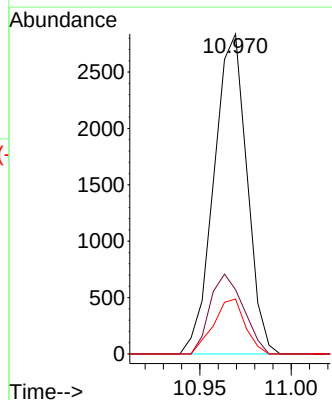
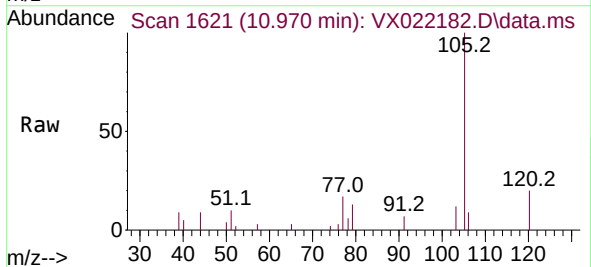
Instrument :
MSVOA_X
ClientSampled :

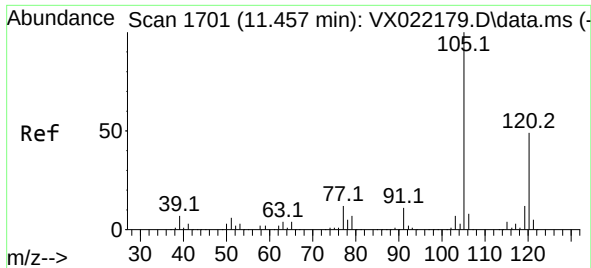
Tgt Ion:106 Resp: 1811
Ion Ratio Lower Upper
106 100
91 208.4 142.5 264.6



#60
Isopropylbenzene
Concen: 0.72 ug/L
RT: 10.970 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion:105 Resp: 3568
Ion Ratio Lower Upper
105 100
120 25.2 21.2 31.8
77 16.5 12.6 18.8

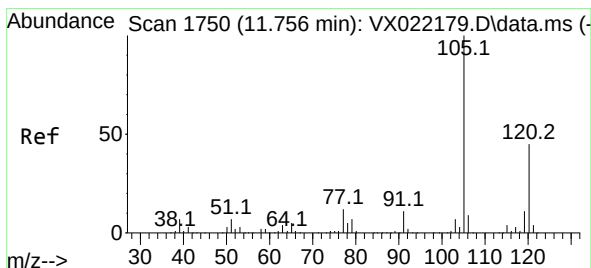
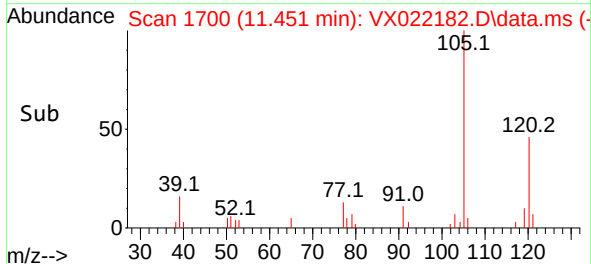
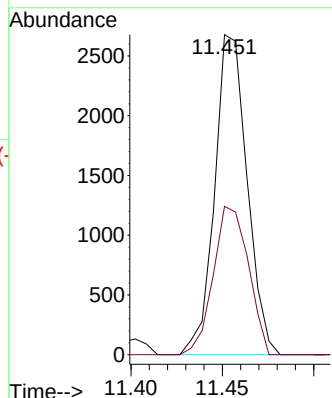
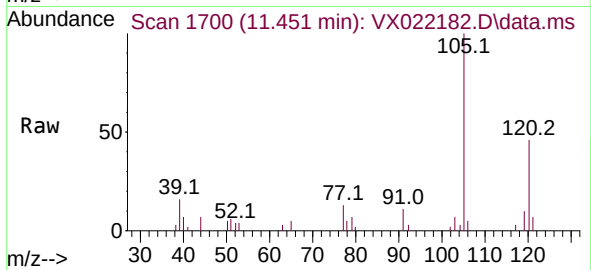




#62
1,3,5-Trimethylbenzene
Concen: 0.79 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

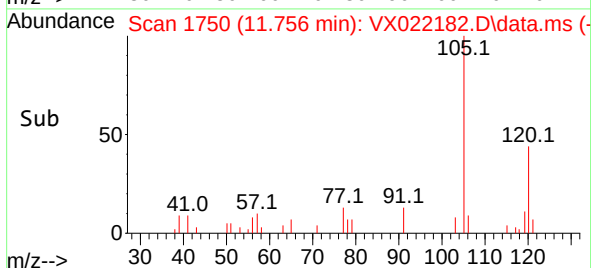
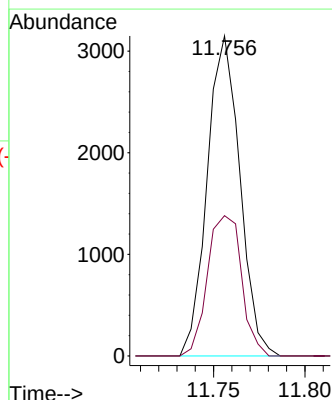
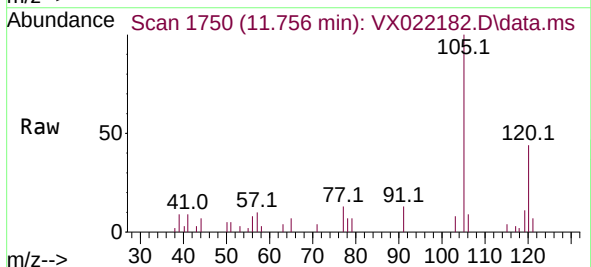
Instrument :
MSVOA_X
ClientSampled :

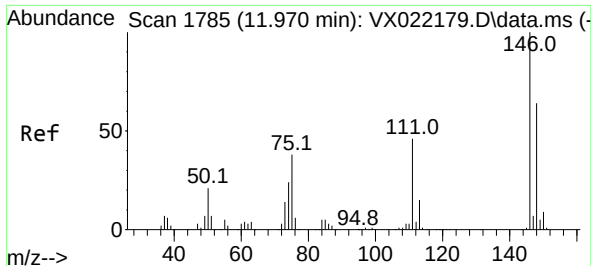
Tgt Ion:105 Resp: 3311
Ion Ratio Lower Upper
105 100
120 50.2 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 0.93 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion:105 Resp: 3916
Ion Ratio Lower Upper
105 100
120 45.8 36.4 54.6

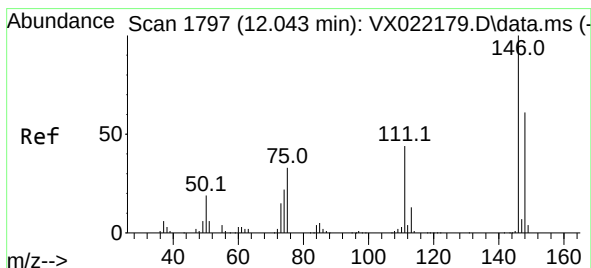
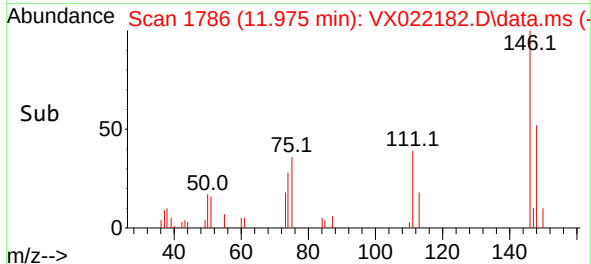
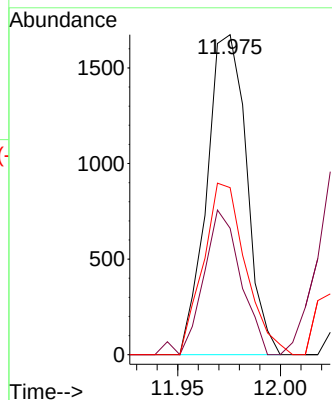
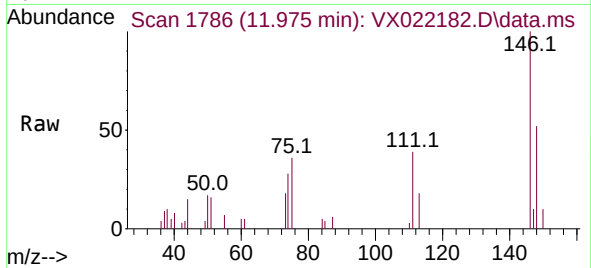




#64
1,3-Dichlorobenzene
Concen: 1.12 ug/L
RT: 11.975 min Scan# 1786
Delta R.T. 0.005 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

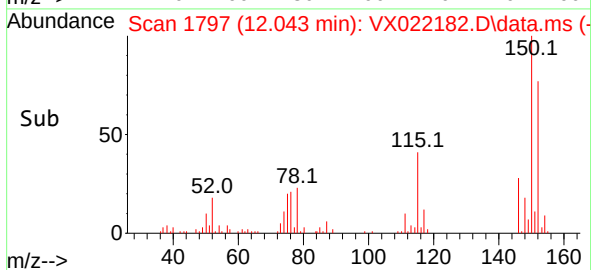
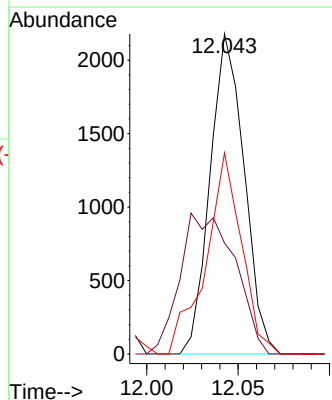
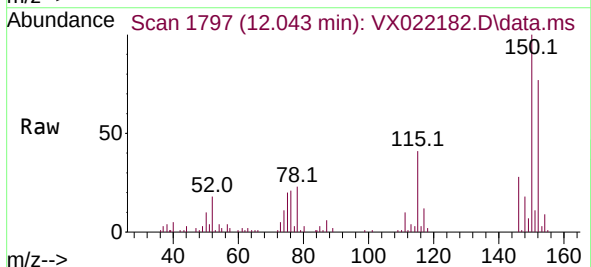
Instrument :
MSVOA_X
ClientSampled :

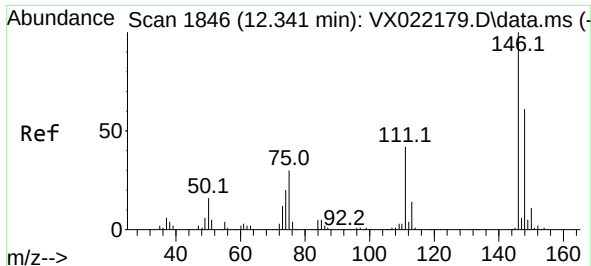
Tgt Ion:146 Resp: 2248
Ion Ratio Lower Upper
146 100
111 39.5 28.9 53.7
148 52.2 47.7 88.7



#65
1,4-Dichlorobenzene
Concen: 1.41 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion:146 Resp: 2827
Ion Ratio Lower Upper
146 100
111 34.7 28.7 53.3
148 62.9 45.8 85.2

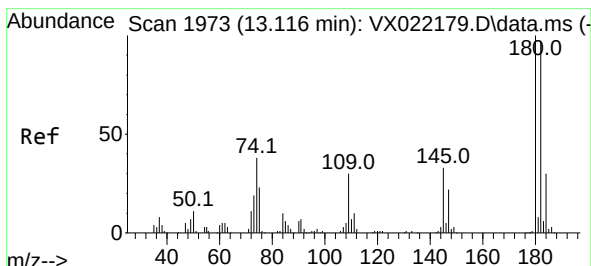
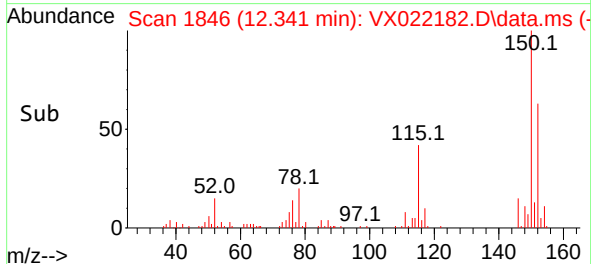
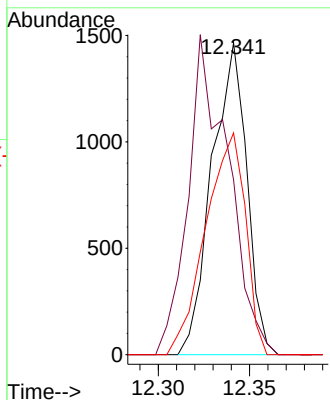
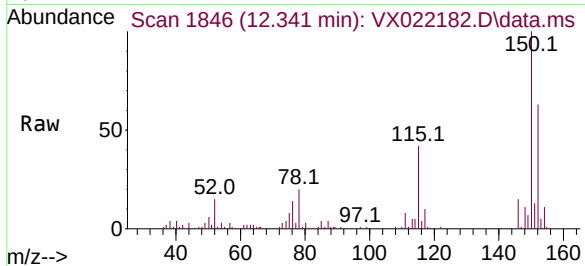




#67
1,2-Dichlorobenzene
Concen: 0.96 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

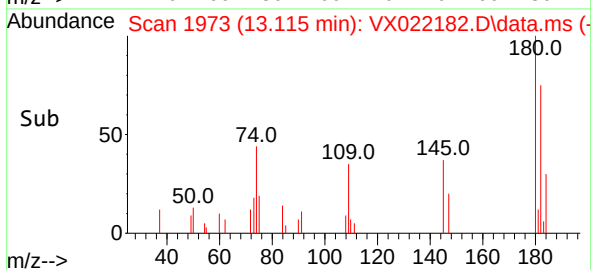
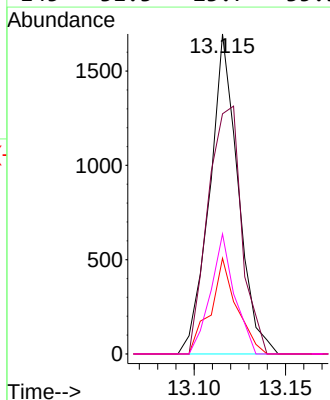
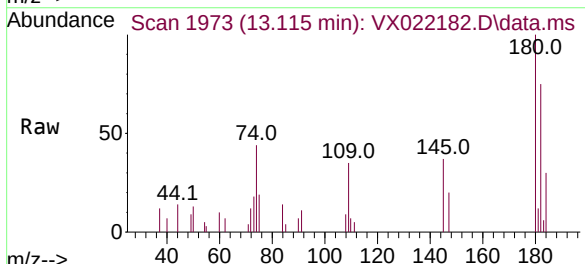
Instrument :
MSVOA_X
ClientSampled :

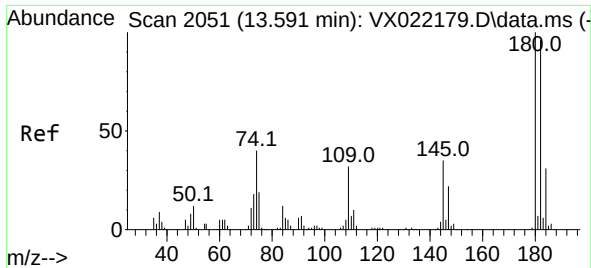
Tgt Ion:146 Resp: 1944
Ion Ratio Lower Upper
146 100
111 56.1 33.8 50.8#
148 71.1 51.4 77.2



#69
1,3,5-Trichlorobenzene
Concen: 1.43 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion:180 Resp: 1844
Ion Ratio Lower Upper
180 100
182 90.9 74.8 112.2
184 27.4 24.1 36.1
145 31.3 23.7 35.5

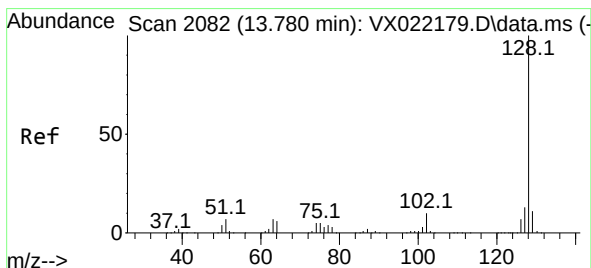
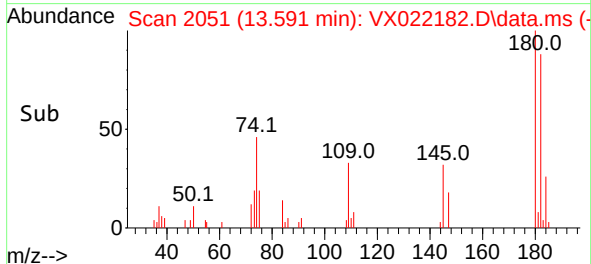
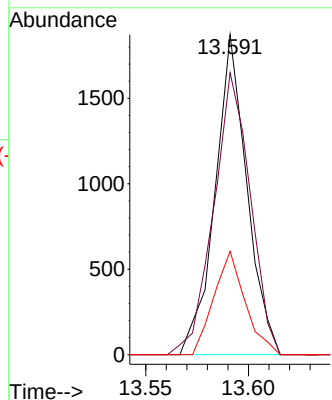
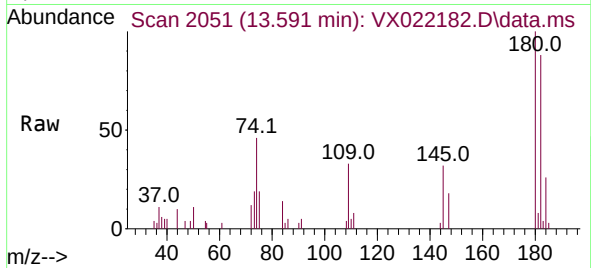




#70
1,2,4-trichlorobenzene
Concen: 1.73 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

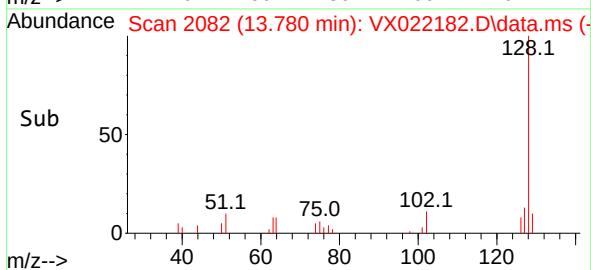
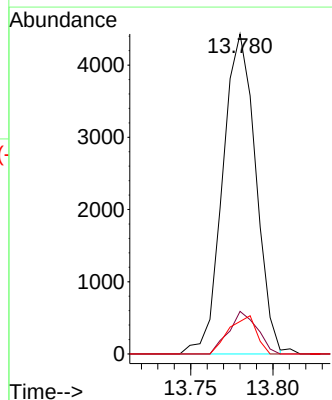
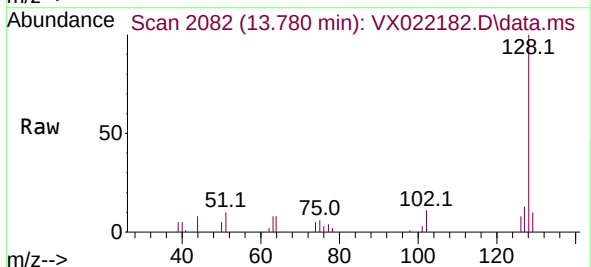
Instrument :
MSVOA_X
ClientSampleId :

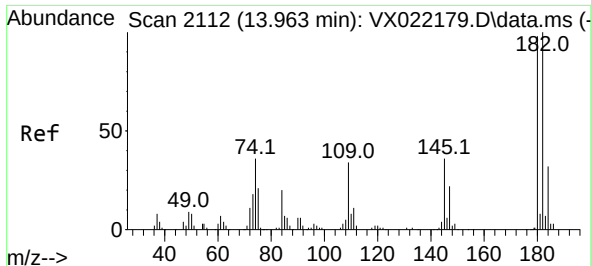
Tgt Ion:180 Resp: 2023
Ion Ratio Lower Upper
180 100
182 100.7 74.3 111.5
145 31.7 24.1 36.1



#71
Naphthalene
Concen: 1.27 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX022182.D
Acq: 25 May 2021 17:26

Tgt Ion:128 Resp: 6178
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.2
129 10.0 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.54 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX022182.D
 Acq: 25 May 2021 17:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:180 Resp: 1808
 Ion Ratio Lower Upper
 180 100
 182 105.0 74.6 112.0
 145 33.2 25.6 38.4

