

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020324.D
 Acq On : 06 Oct 2021 19:47
 Operator : SY/VA
 Sample : M4001-08
 Misc : 6.21g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 01:54:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 01:49:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	226218	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	149605	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	37079	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	73347	23.525	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.120%
7) Chloroethane-d5	2.879	69	38423	28.442	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.760%
11) 1,1-Dichloroethene-d2	4.019	63	98787	15.386	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.560%
21) 2-Butanone-d5	7.086	46	10784	13.616	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.240%
24) Chloroform-d	7.647	84	184457	28.397	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.600%
26) 1,2-Dichloroethane-d4	8.305	65	104648	29.438	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.760%
32) Benzene-d6	8.275	84	301679	33.305	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	133.200%
36) 1,2-Dichloropropane-d6	9.275	67	117418	40.868	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	163.480%#
41) Toluene-d8	10.323	98	203866	24.849	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	10.579	79	22855	19.551	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.200%
47) 2-Hexanone-d5	10.927	63	7121	17.932	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.860%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	70324	35.070	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	140.280%#
66) 1,2-Dichlorobenzene-d4	13.853	152	33126	25.513	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.040%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.026	96	1632	0.518	ug/L #	1
14) Carbon disulfide	4.385	76	5348	0.517	ug/L	100
15) Methyl Acetate	4.678	43	1921	1.291	ug/L #	84
16) Methylene chloride	4.916	84	7641	1.892	ug/L	97
19) 1,1-Dichloroethane	6.220	63	8448	1.289	ug/L	95
20) cis-1,2-Dichloroethene	7.171	96	10022	2.974	ug/L	97
27) 1,2-Dichloroethane	8.403	62	2974	0.710	ug/L #	95
30) 1,1,1-Trichloroethane	7.872	97	41732	11.629	ug/L	99
31) Carbon tetrachloride	7.878	117	5173	1.651	ug/L	93
34) Trichloroethene	9.092	95	164723	64.361	ug/L	96
35) Methylcyclohexane	9.336	83	2712	0.607	ug/L	97
37) 1,2-Dichloropropane	9.275	63	13540	5.224	ug/L #	88
39) cis-1,3-Dichloropropene	10.031	75	1494	0.408	ug/L #	79
42) Toluene	10.390	91	16640	1.590	ug/L	95
45) 1,1,2-Trichloroethane	10.762	97	3394	2.070	ug/L #	23
46) Tetrachloroethene	10.866	164	6751	3.584	ug/L	92
48) 2-Hexanone	10.933	43	5907	5.719	ug/L #	27
49) Dibromochloromethane	10.860	129	6372	3.463	ug/L #	10
52) Ethylbenzene	11.731	91	6176	0.541	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020324.D
 Acq On : 06 Oct 2021 19:47
 Operator : SY/VA
 Sample : M4001-08
 Misc : 6.21g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 01:54:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 01:49:38 2021
 Response via : Initial Calibration

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

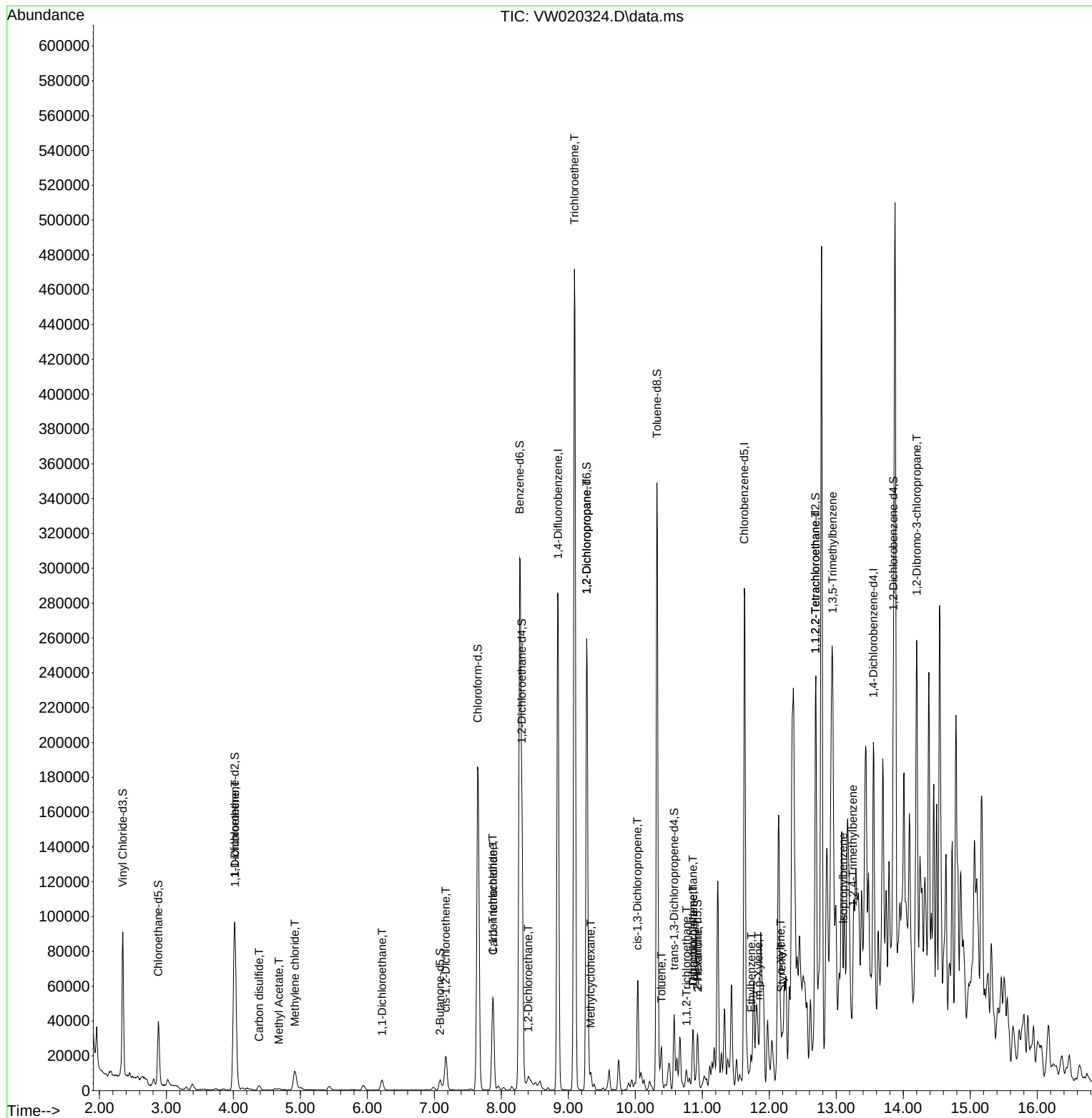
53) m,p-Xylene	11.841	106	2971	0.704	ug/L	98
54) o-Xylene	12.170	106	1529	0.387	ug/L	92
55) Styrene	12.183	104	2740	0.403	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.689	83	5050	2.590	ug/L #	62
60) Isopropylbenzene	13.103	105	3601	0.654	ug/L	94
62) 1,3,5-Trimethylbenzene	12.945	105	4215	0.946	ug/L	94
63) 1,2,4-Trimethylbenzene	13.249	105	5307	1.192	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.201	75	1470	9.424	ug/L #	11

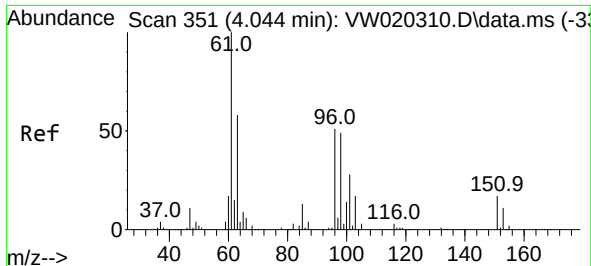
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
Data File : VW020324.D
Acq On : 06 Oct 2021 19:47
Operator : SY/VA
Sample : M4001-08
Misc : 6.21g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Oct 07 01:54:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 07 01:49:38 2021
Response via : Initial Calibration

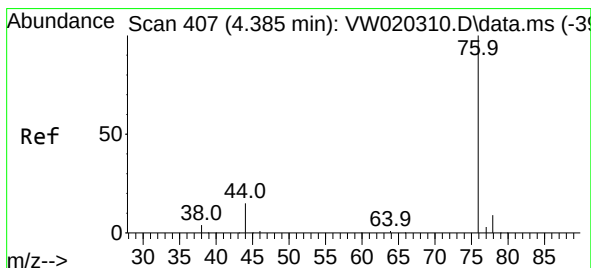
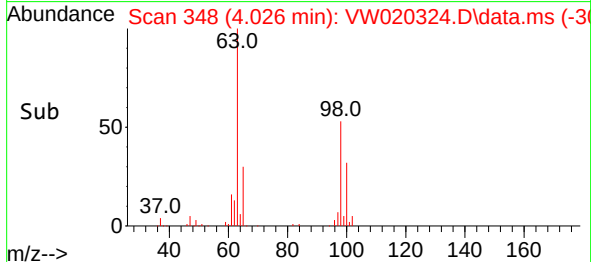
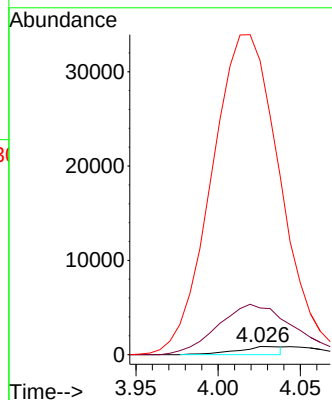
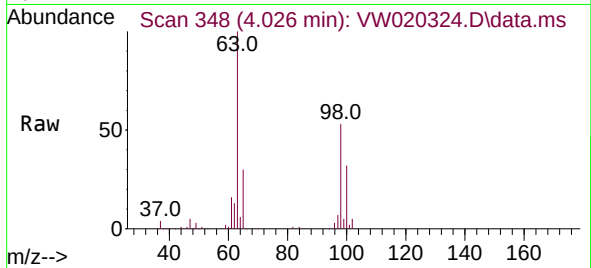




#12
1,1-Dichloroethene
Concen: 0.518 ug/L
RT: 4.026 min Scan# 348
Delta R.T. -0.018 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

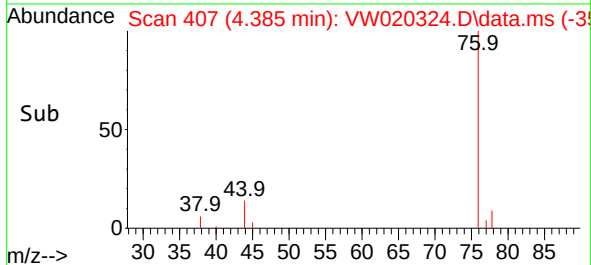
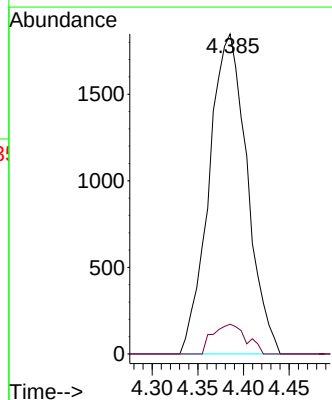
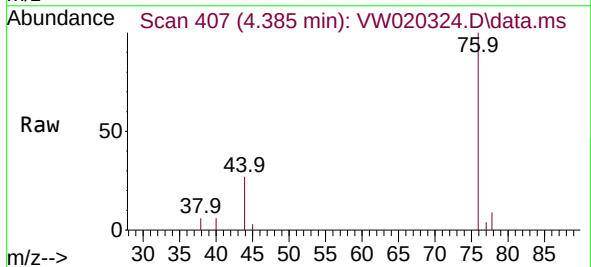
Instrument :
MSVOA_W
ClientSampled :

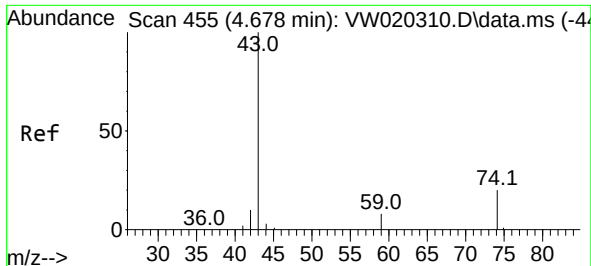
Tgt Ion: 96 Resp: 1632
Ion Ratio Lower Upper
96 100
61 577.1 133.9 248.7#
63 3630.3 77.3 143.7#



#14
Carbon disulfide
Concen: 0.517 ug/L
RT: 4.385 min Scan# 407
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion: 76 Resp: 5348
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

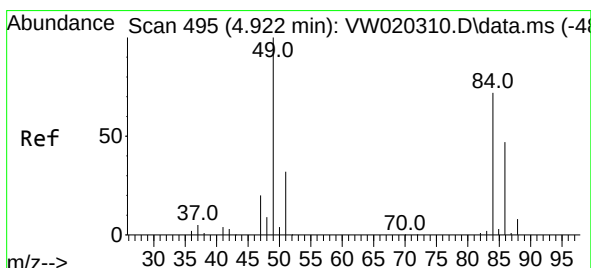
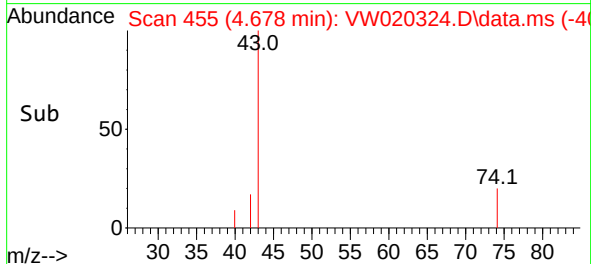
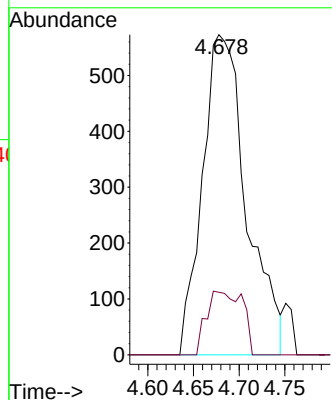
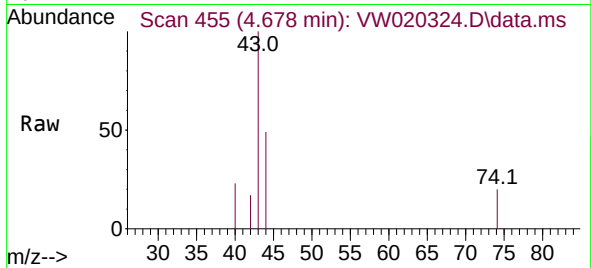




#15
Methyl Acetate
Concen: 1.291 ug/L
RT: 4.678 min Scan# 455
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

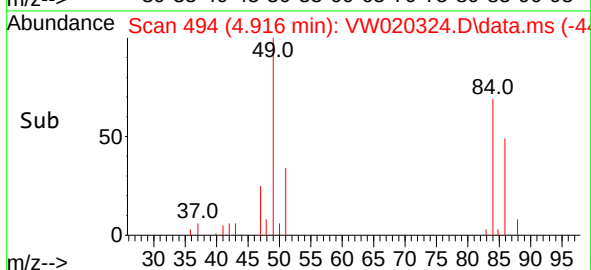
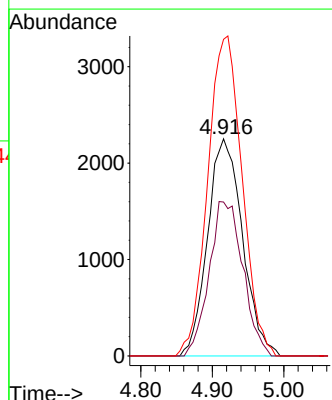
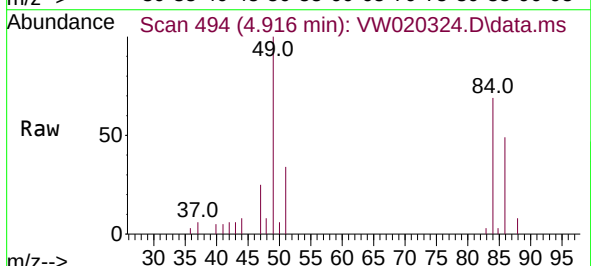
Instrument :
MSVOA_W
ClientSampled :

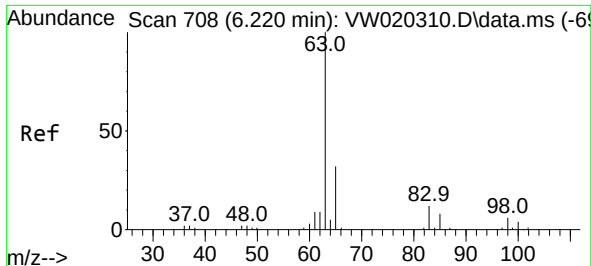
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
74 12.5 16.1 24.1#



#16
Methylene chloride
Concen: 1.892 ug/L
RT: 4.916 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion: 84 Resp: 7641
Ion Ratio Lower Upper
84 100
86 70.9 44.7 83.1
49 145.9 101.7 188.9

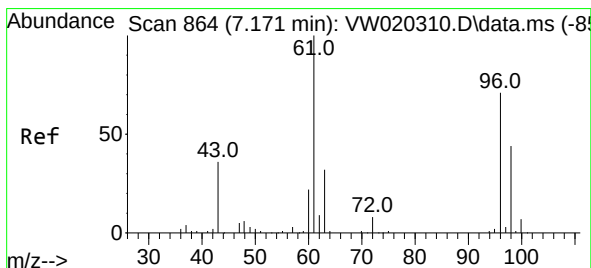
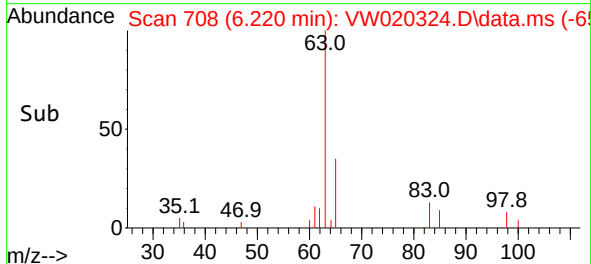
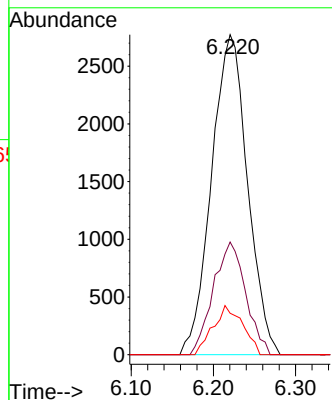
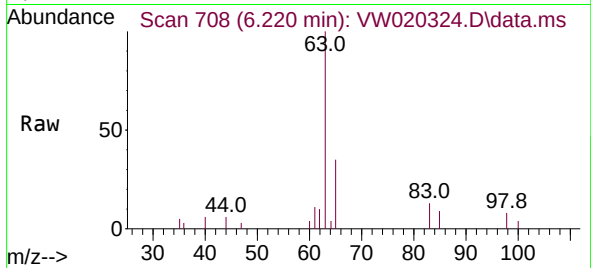




#19
1,1-Dichloroethane
Concen: 1.289 ug/L
RT: 6.220 min Scan# 708
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

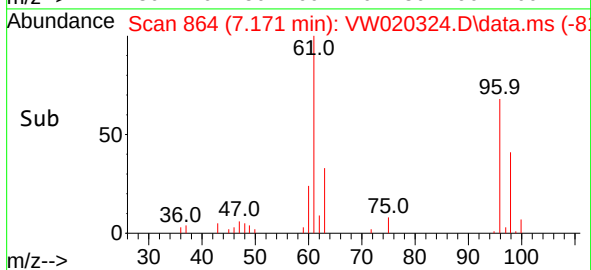
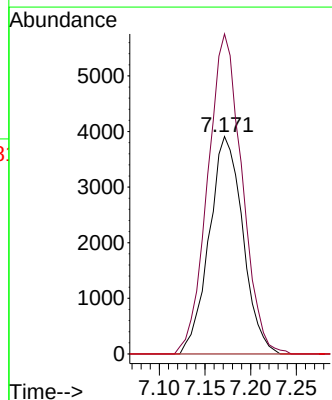
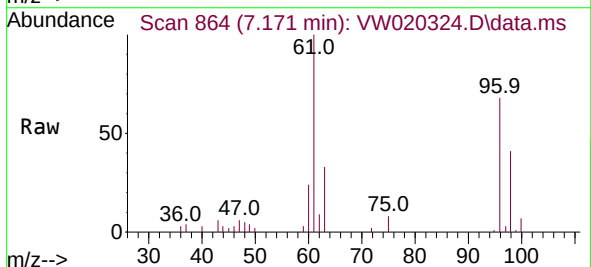
Instrument :
MSVOA_W
ClientSampled :

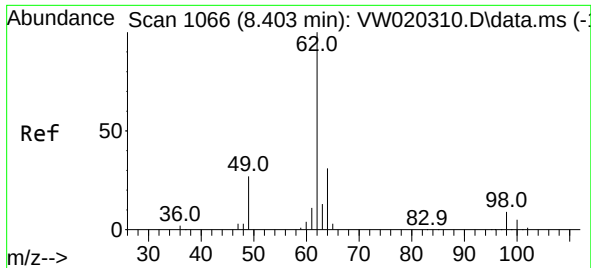
Tgt Ion:	63	Resp:	8448
Ion	Ratio	Lower	Upper
63	100		
65	35.2	21.9	40.7
83	12.9	9.0	16.6



#20
cis-1,2-Dichloroethene
Concen: 2.974 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion:	96	Resp:	10022
Ion	Ratio	Lower	Upper
96	100		
61	147.1	100.3	186.3
68	0.0	0.0	0.0

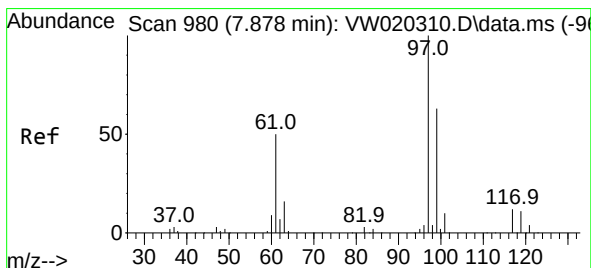
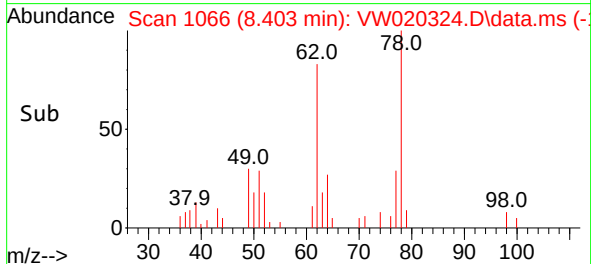
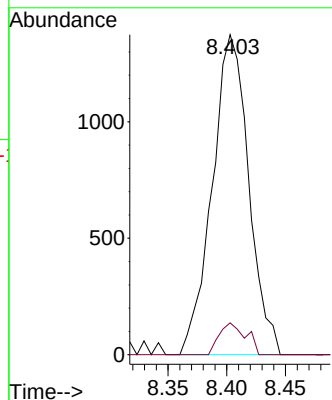
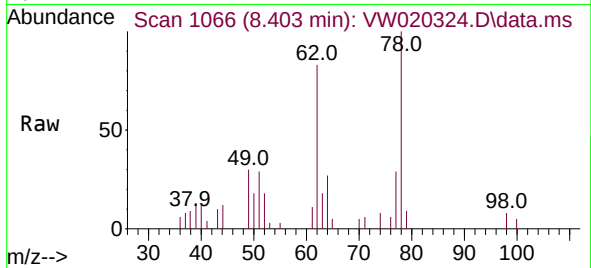




#27
 1,2-Dichloroethane
 Concen: 0.710 ug/L
 RT: 8.403 min Scan# 1066
 Delta R.T. 0.000 min
 Lab File: VW020324.D
 Acq: 06 Oct 2021 19:47

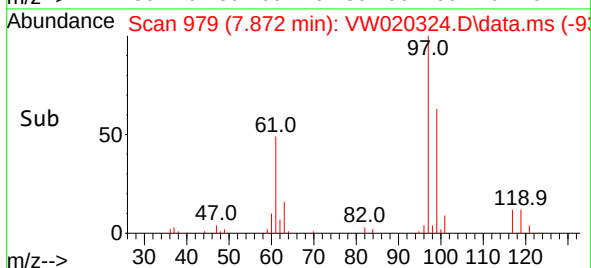
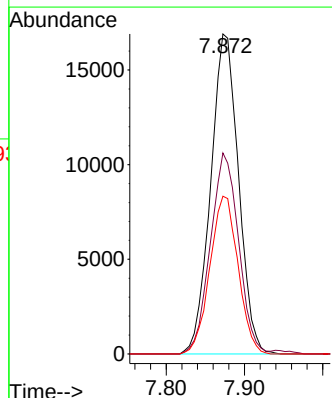
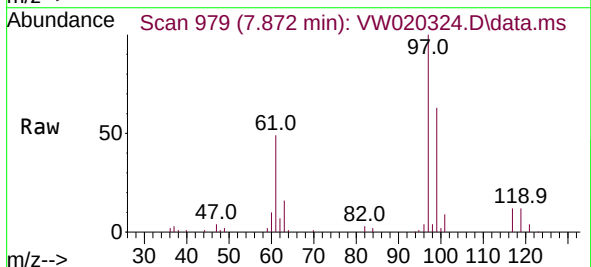
Instrument :
 MSVOA_W
 ClientSampled :

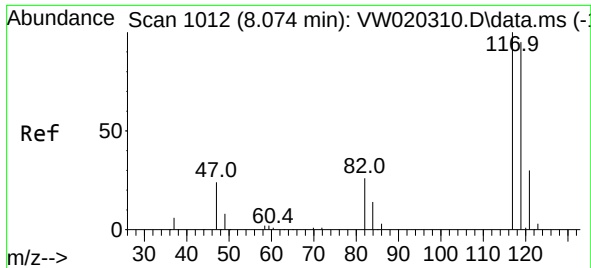
Tgt Ion: 62 Resp: 2974
 Ion Ratio Lower Upper
 62 100
 98 10.0 6.6 10.0#



#30
 1,1,1-Trichloroethane
 Concen: 11.629 ug/L
 RT: 7.872 min Scan# 979
 Delta R.T. -0.006 min
 Lab File: VW020324.D
 Acq: 06 Oct 2021 19:47

Tgt Ion: 97 Resp: 41732
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.4 77.0
 61 49.9 41.0 61.6

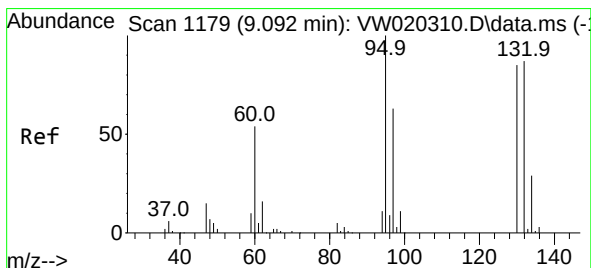
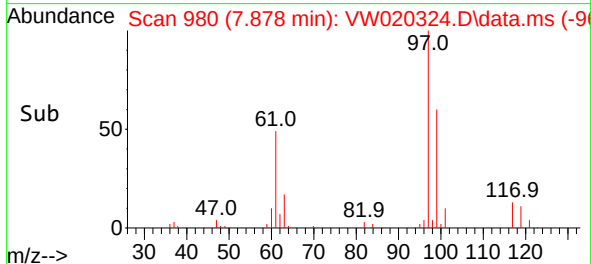
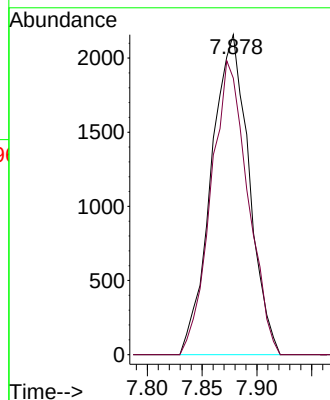
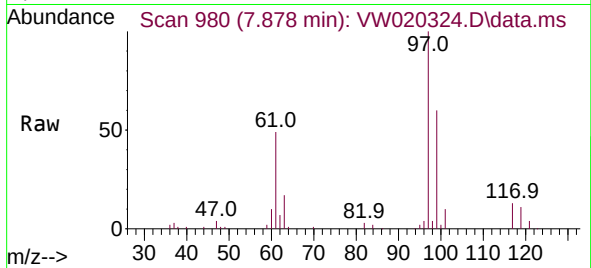




#31
Carbon tetrachloride
Concen: 1.651 ug/L
RT: 7.878 min Scan# 980
Delta R.T. -0.195 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

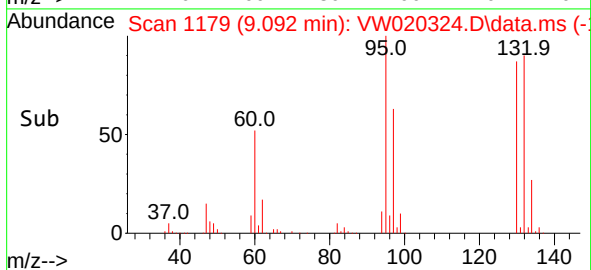
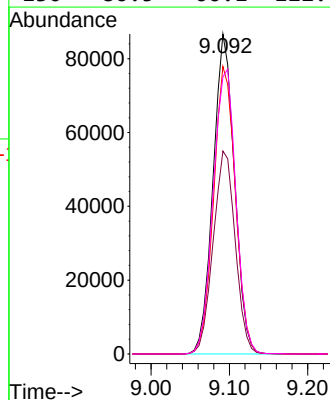
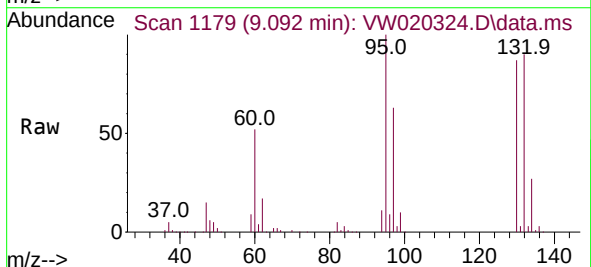
Instrument :
MSVOA_W
ClientSampled :

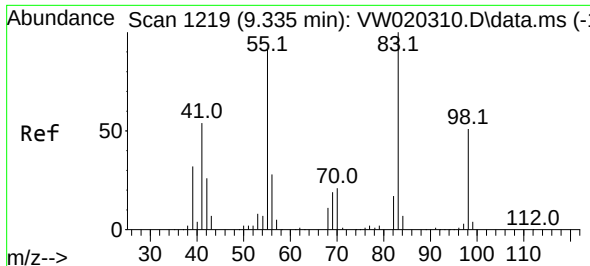
Tgt Ion:117 Resp: 5173
Ion Ratio Lower Upper
117 100
119 89.7 77.0 115.4



#34
Trichloroethene
Concen: 64.361 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion: 95 Resp: 164723
Ion Ratio Lower Upper
95 100
97 63.4 43.2 80.2
132 89.8 62.3 115.7
130 86.5 66.1 122.7

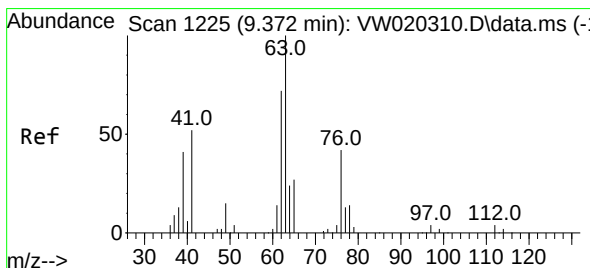
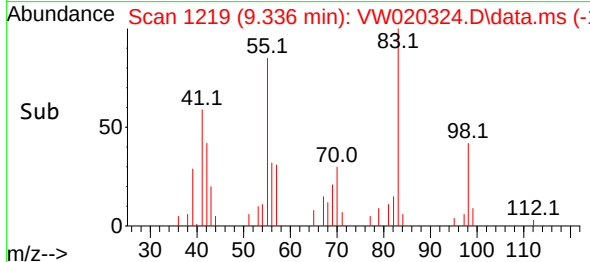
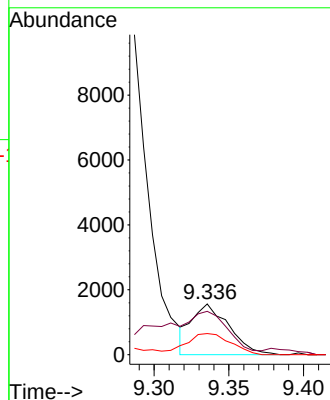
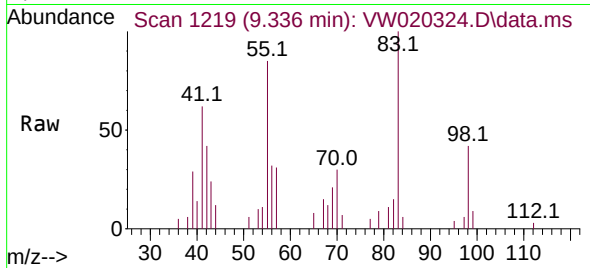




#35
Methylcyclohexane
Concen: 0.607 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

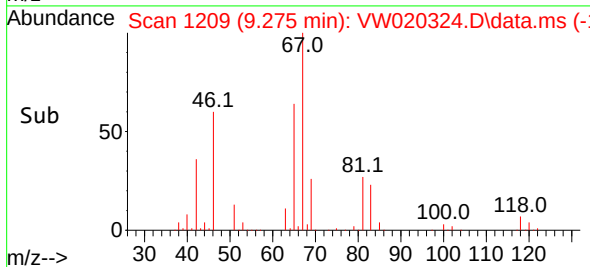
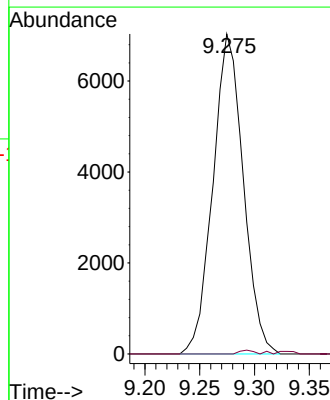
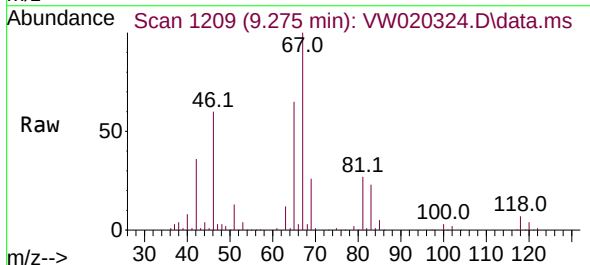
Instrument :
MSVOA_W
ClientSampled :

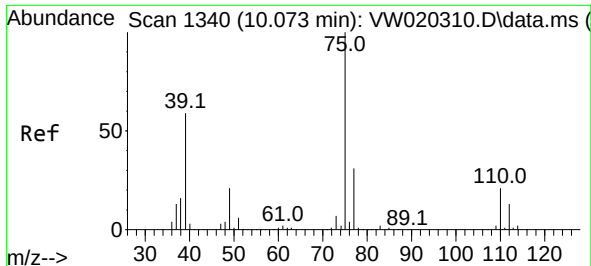
Tgt Ion: 83 Resp: 2712
Ion Ratio Lower Upper
83 100
55 90.5 69.7 104.5
98 49.5 38.2 57.2



#37
1,2-Dichloropropane
Concen: 5.224 ug/L
RT: 9.275 min Scan# 1209
Delta R.T. -0.098 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion: 63 Resp: 13540
Ion Ratio Lower Upper
63 100
112 0.5 3.5 5.3#

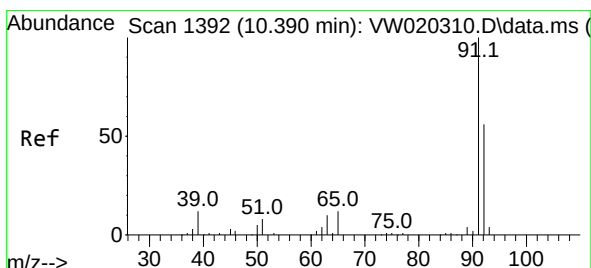
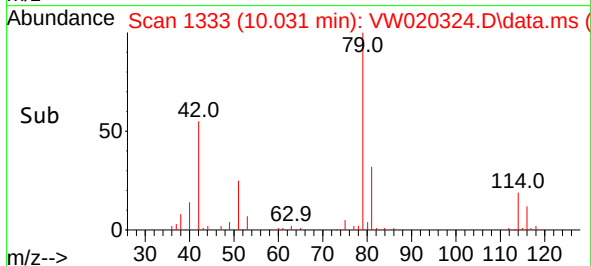
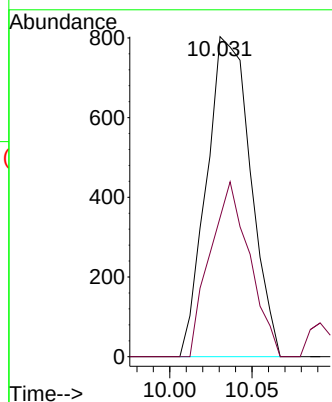
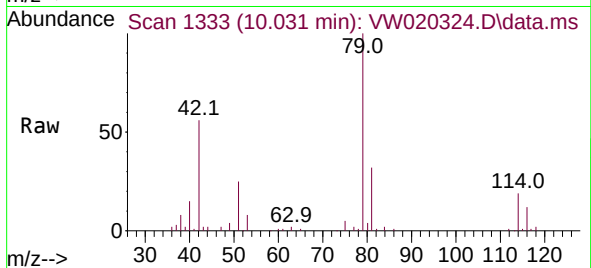




#39
cis-1,3-Dichloropropene
Concen: 0.408 ug/L
RT: 10.031 min Scan# 1333
Delta R.T. -0.043 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

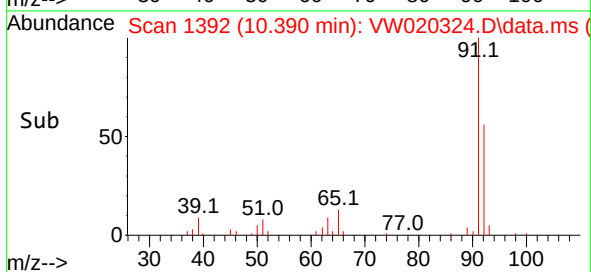
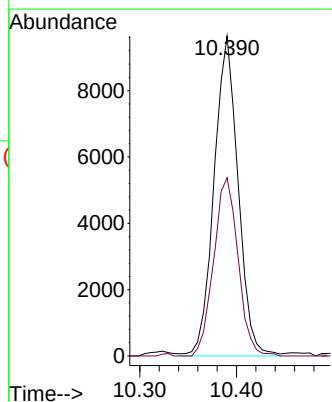
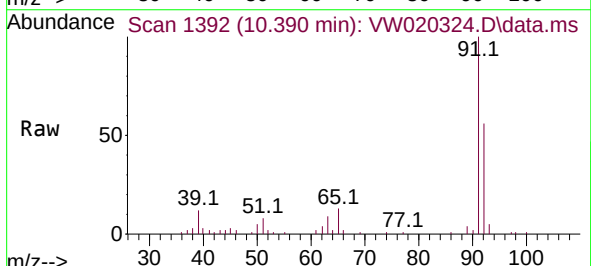
Instrument :
MSVOA_W
ClientSampleId :

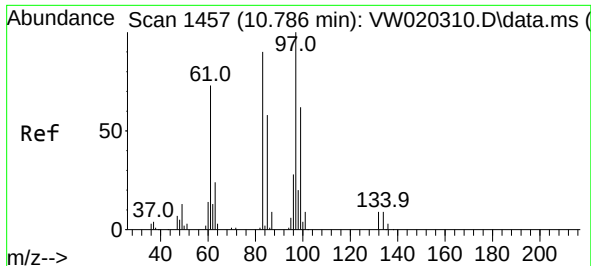
Tgt Ion: 75 Resp: 1494
Ion Ratio Lower Upper
75 100
77 43.5 22.4 41.6#



#42
Toluene
Concen: 1.590 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

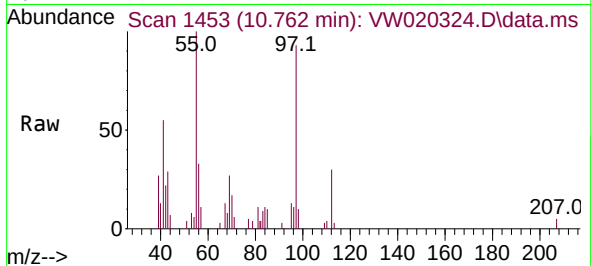
Tgt Ion: 91 Resp: 16640
Ion Ratio Lower Upper
91 100
92 55.7 41.5 77.1



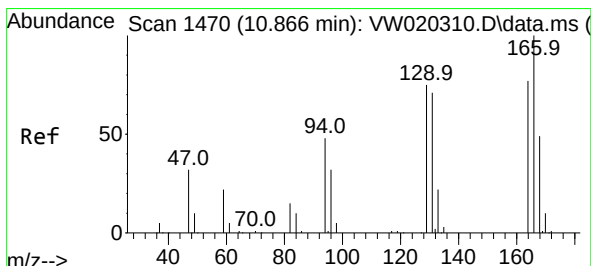
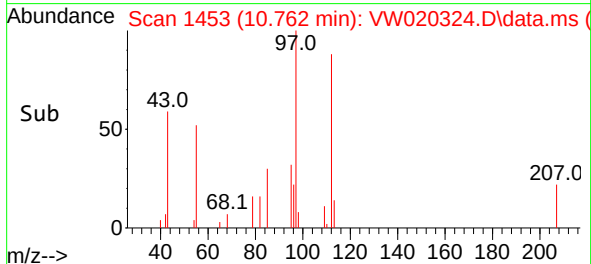
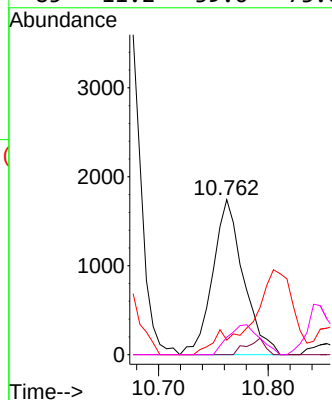


#45
1,1,2-Trichloroethane
Concen: 2.070 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Instrument :
MSVOA_W
ClientSampleId :

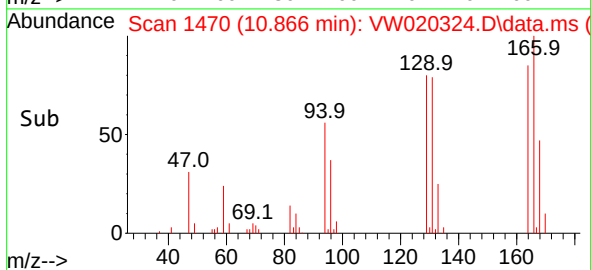
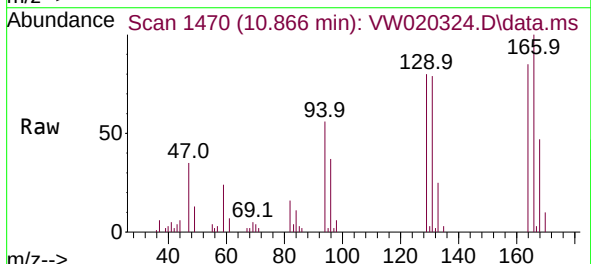
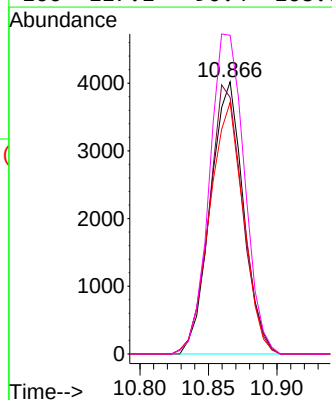


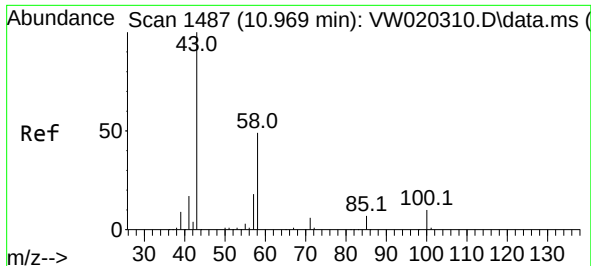
Tgt Ion: 97 Resp: 3394
Ion Ratio Lower Upper
97 100
99 0.0 42.8 79.4#
83 9.4 60.9 113.1#
85 11.2 39.6 73.6#



#46
Tetrachloroethene
Concen: 3.584 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion:164 Resp: 6751
Ion Ratio Lower Upper
164 100
129 94.2 69.1 128.3
131 92.4 58.3 108.3
166 117.1 90.4 168.0

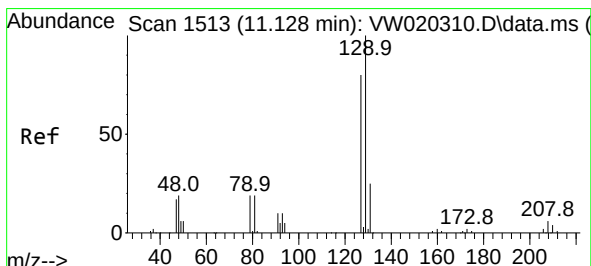
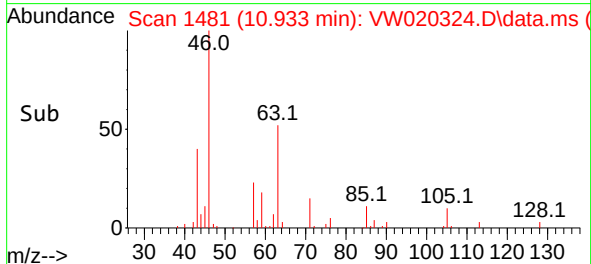
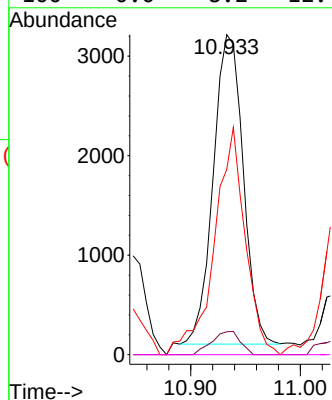
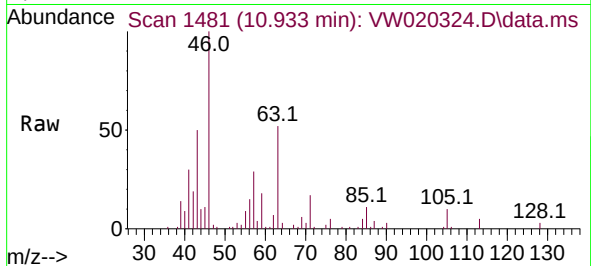




#48
2-Hexanone
Concen: 5.719 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

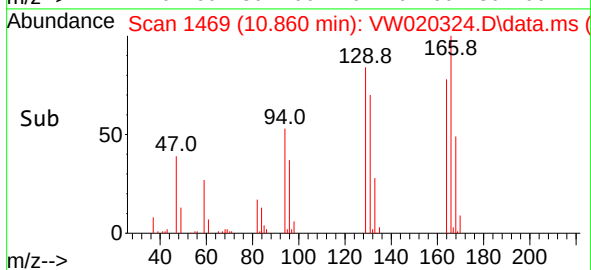
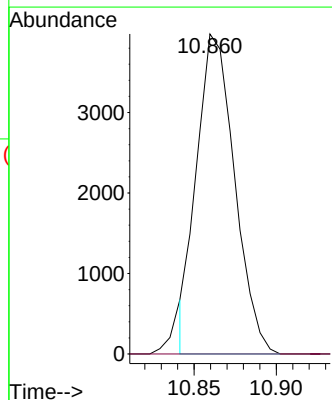
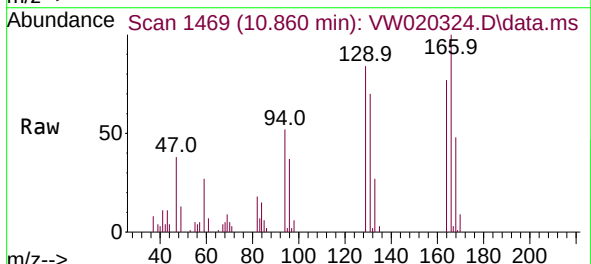
Instrument :
MSVOA_W
ClientSampleId :

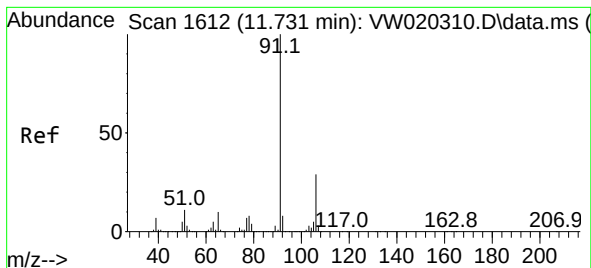
Tgt Ion: 43	Resp: 5907
Ion Ratio	Lower Upper
43 100	
58 7.2	39.5 59.3#
57 75.4	14.2 21.4#
100 0.0	8.2 12.4#



#49
Dibromochloromethane
Concen: 3.463 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.268 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion: 129	Resp: 6372
Ion Ratio	Lower Upper
129 100	
127 0.0	55.1 102.3#

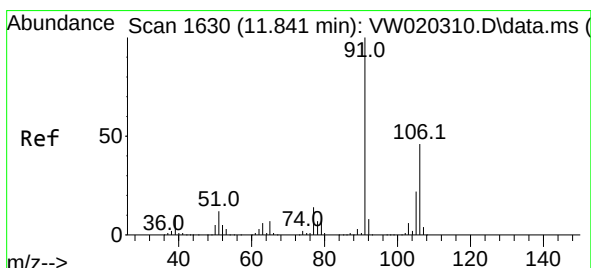
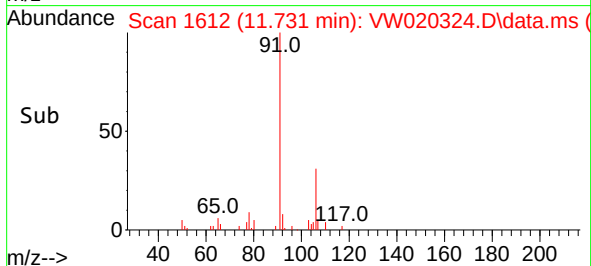
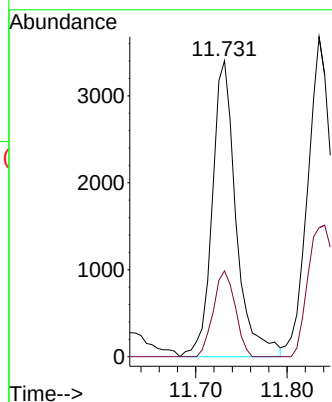
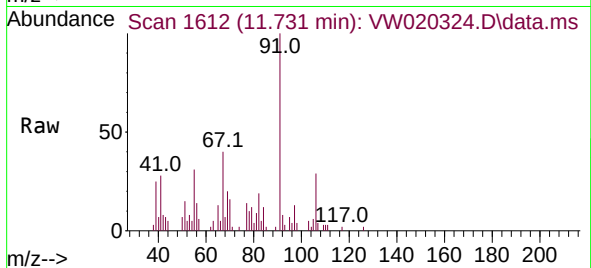




#52
Ethylbenzene
Concen: 0.541 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

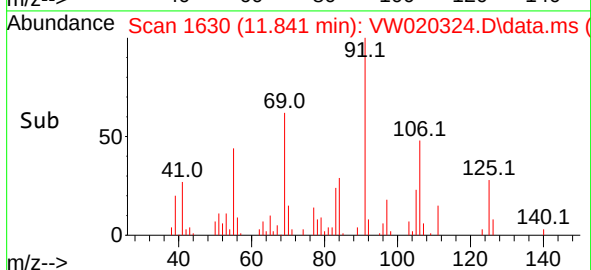
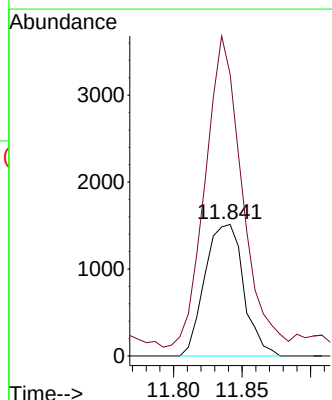
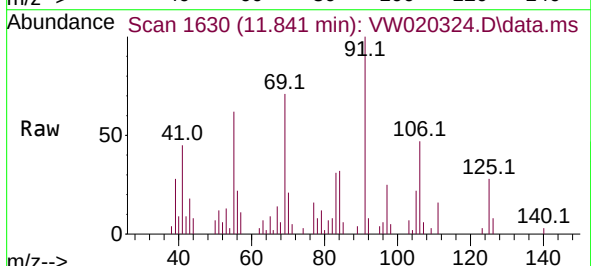
Instrument :
MSVOA_W
ClientSampled :

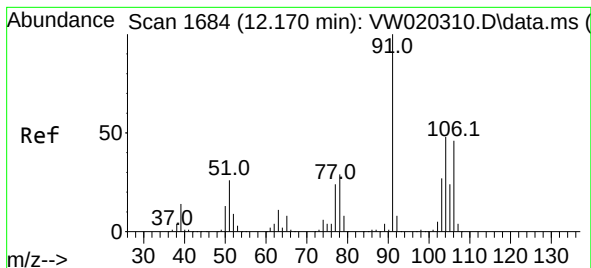
Tgt Ion: 91 Resp: 6176
Ion Ratio Lower Upper
91 100
106 29.0 21.3 39.5



#53
m,p-Xylene
Concen: 0.704 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion: 106 Resp: 2971
Ion Ratio Lower Upper
106 100
91 214.1 148.2 275.2

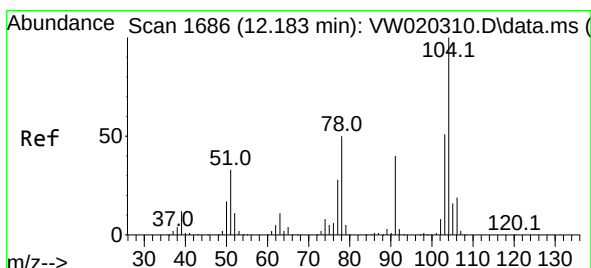
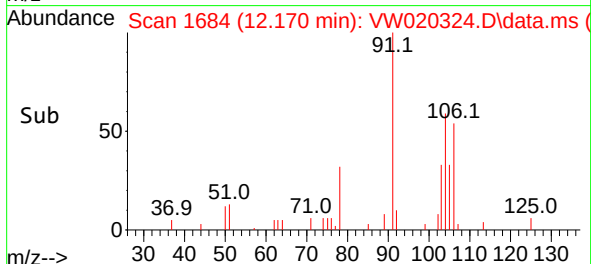
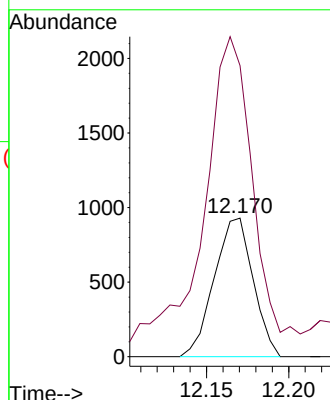
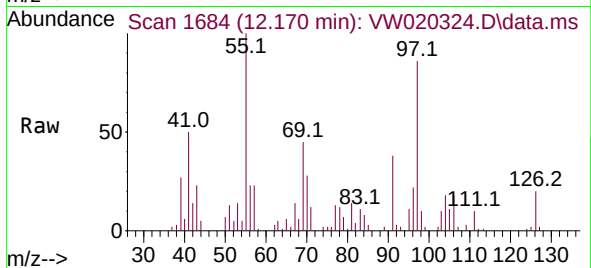




#54
o-Xylene
Concen: 0.387 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

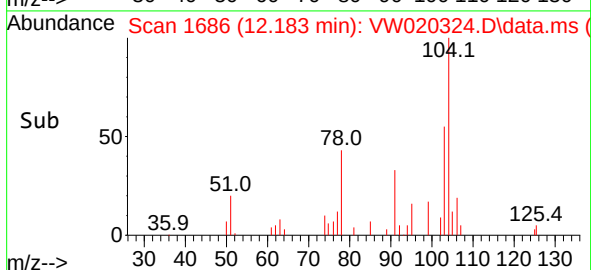
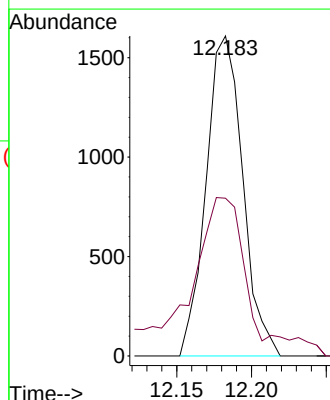
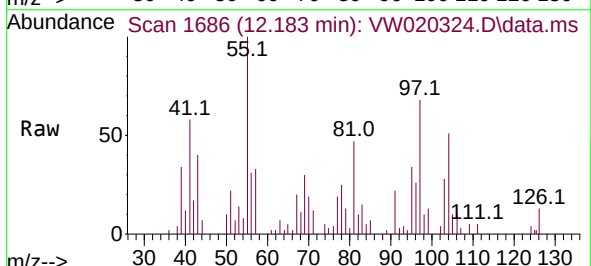
Instrument :
MSVOA_W
ClientSampled :

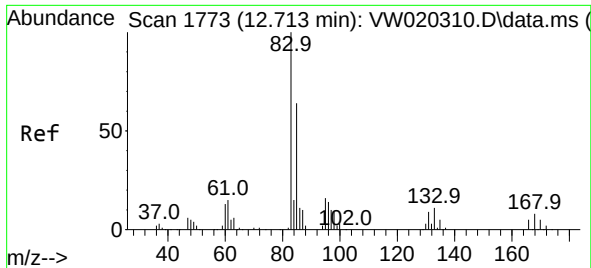
Tgt Ion:106 Resp: 1529
Ion Ratio Lower Upper
106 100
91 210.1 156.1 289.9



#55
Styrene
Concen: 0.403 ug/L
RT: 12.183 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion:104 Resp: 2740
Ion Ratio Lower Upper
104 100
78 49.3 33.2 61.7

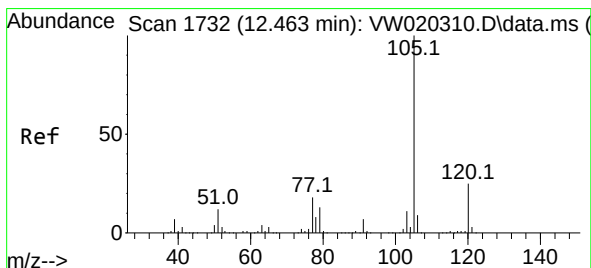
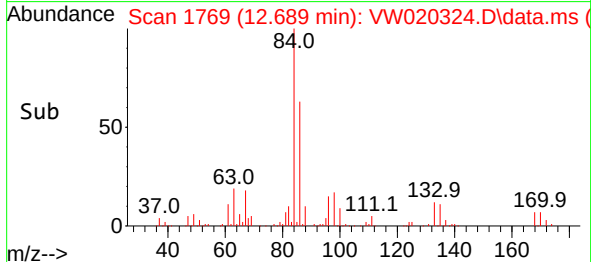
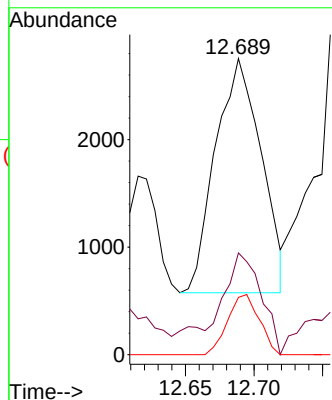
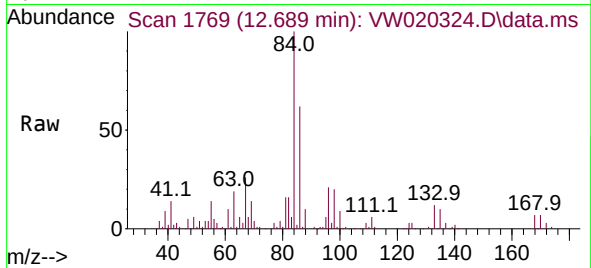




#57
1,1,2,2-Tetrachloroethane
Concen: 2.590 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

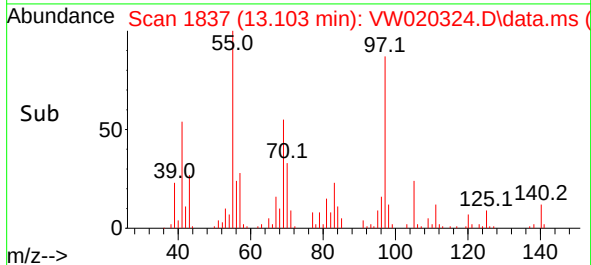
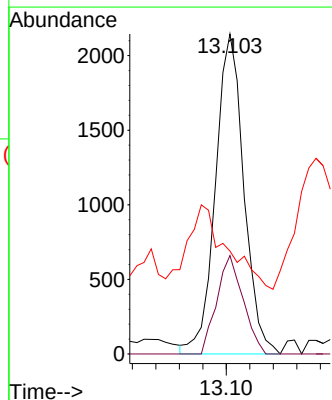
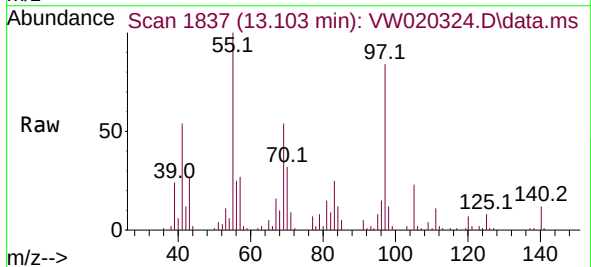
Instrument :
MSVOA_W
ClientSampleId :

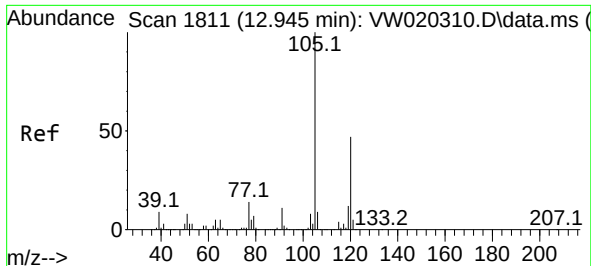
Tgt Ion: 83 Resp: 5050
Ion Ratio Lower Upper
83 100
85 34.4 45.9 85.3#
131 19.4 7.4 11.2#



#60
Isopropylbenzene
Concen: 0.654 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

Tgt Ion:105 Resp: 3601
Ion Ratio Lower Upper
105 100
120 28.4 20.3 30.5
77 14.8 13.8 20.6

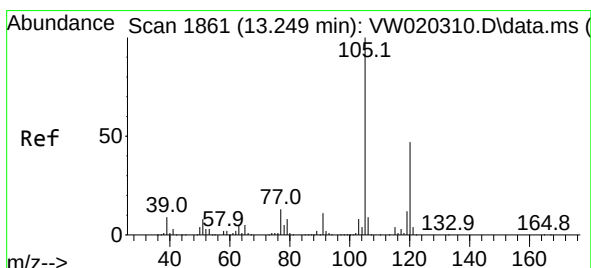
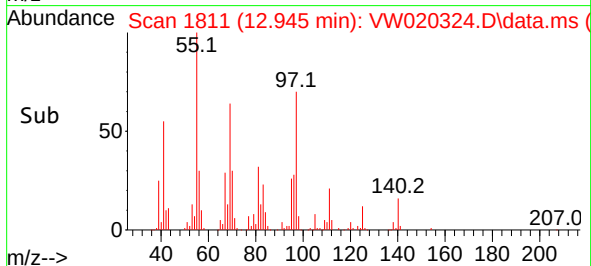
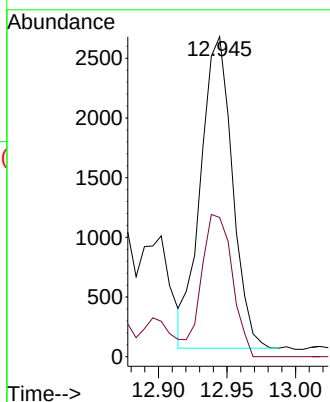
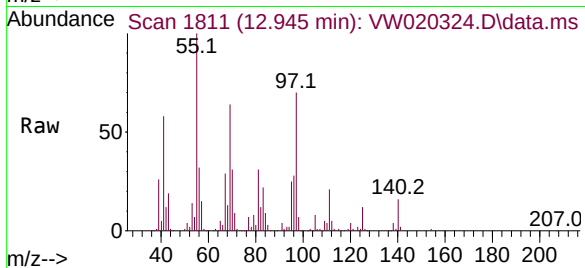




#62
1,3,5-Trimethylbenzene
Concen: 0.946 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

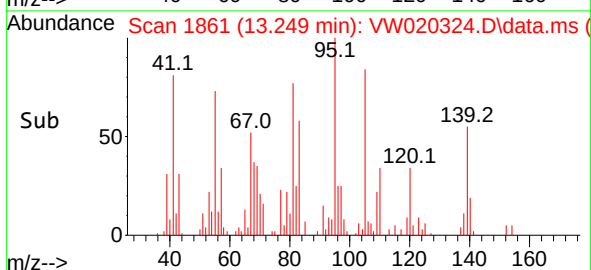
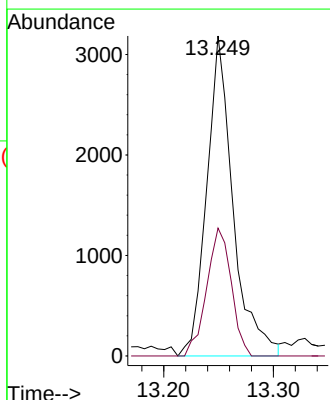
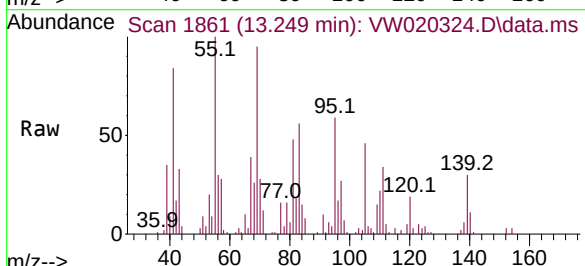
Instrument :
MSVOA_W
ClientSampled :

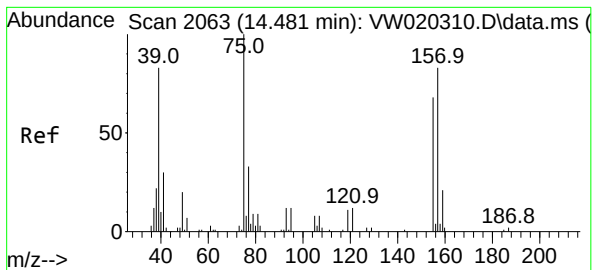
Tgt Ion:105 Resp: 4215
Ion Ratio Lower Upper
105 100
120 43.5 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 1.192 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020324.D
Acq: 06 Oct 2021 19:47

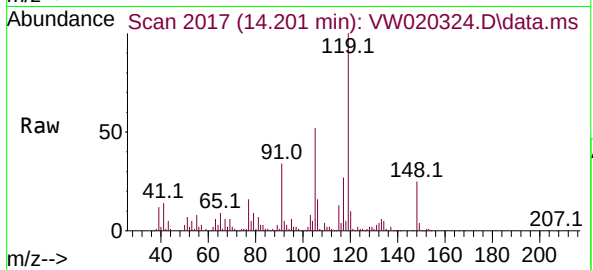
Tgt Ion:105 Resp: 5307
Ion Ratio Lower Upper
105 100
120 37.2 35.4 53.2





#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.424 ug/L
 RT: 14.201 min Scan# 2017
 Delta R.T. -0.280 min
 Lab File: VW020324.D
 Acq: 06 Oct 2021 19:47

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 1470
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.4 77.0#
 157 0.0 70.8 106.2#

