

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092921\
 Data File : VW020254.D
 Acq On : 30 Sep 2021 01:30
 Operator : SY/VA
 Sample : M3974-08
 Misc : 7.95g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 30 02:12:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092121SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Sep 30 02:06:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	385456	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	320455	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	147978	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	106463	13.501	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.000%
7) Chloroethane-d5	2.898	69	94549	15.916	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.680%
11) 1,1-Dichloroethene-d2	4.026	63	128489	10.407	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	41.640%#
21) 2-Butanone-d5	7.104	46	42411	34.853	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.700%
24) Chloroform-d	7.647	84	205469	16.950	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	67.800%
26) 1,2-Dichloroethane-d4	8.305	65	102111	15.651	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	62.600%#
32) Benzene-d6	8.275	84	403068	19.715	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.880%
36) 1,2-Dichloropropane-d6	9.275	67	113080	19.112	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76.440%
41) Toluene-d8	10.323	98	356427	19.160	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	76.640%
43) trans-1,3-Dichloroprop...	10.579	79	43197	17.081	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.320%
47) 2-Hexanone-d5	10.921	63	30579	37.346	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.700%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	72083	15.794	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.160%
66) 1,2-Dichlorobenzene-d4	13.853	152	112127	20.208	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.840%
Target Compounds						Qvalue
5) Vinyl chloride	2.367	62	441620	60.243	ug/L	96
12) 1,1-Dichloroethene	4.050	96	38060	7.446	ug/L	88
17) trans-1,2-Dichloroethene	5.434	96	55282	10.266	ug/L	89
29) Cyclohexane	7.964	56	106608	14.951	ug/L	96
33) Benzene	8.324	78	108470	5.609	ug/L	100
34) Trichloroethene	9.098	95	7546345	1457.608	ug/L	97
35) Methylcyclohexane	9.336	83	231820	27.481	ug/L	94
42) Toluene	10.384	91	29242	1.423	ug/L	96
45) 1,1,2-Trichloroethane	10.762	97	35219	10.027	ug/L #	21
46) Tetrachloroethene	10.860	164	6346	1.586	ug/L	91
52) Ethylbenzene	11.731	91	417676	18.456	ug/L	98
53) m,p-Xylene	11.841	106	33545	3.888	ug/L	95
54) o-Xylene	12.164	106	38584	4.834	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.695	83	5350	1.275	ug/L #	65
60) Isopropylbenzene	12.463	105	219158	11.046	ug/L	99
61) 1,2,3-Trichloropropane	12.804	75	2997	1.073	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.939	105	353026	21.680	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	565476	35.352	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.499	75	1967	3.136	ug/L #	18

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Quant Title : SFAM01.0
QLast Update : Thu Sep 30 02:06:51 2021
Response via : Initial Calibration

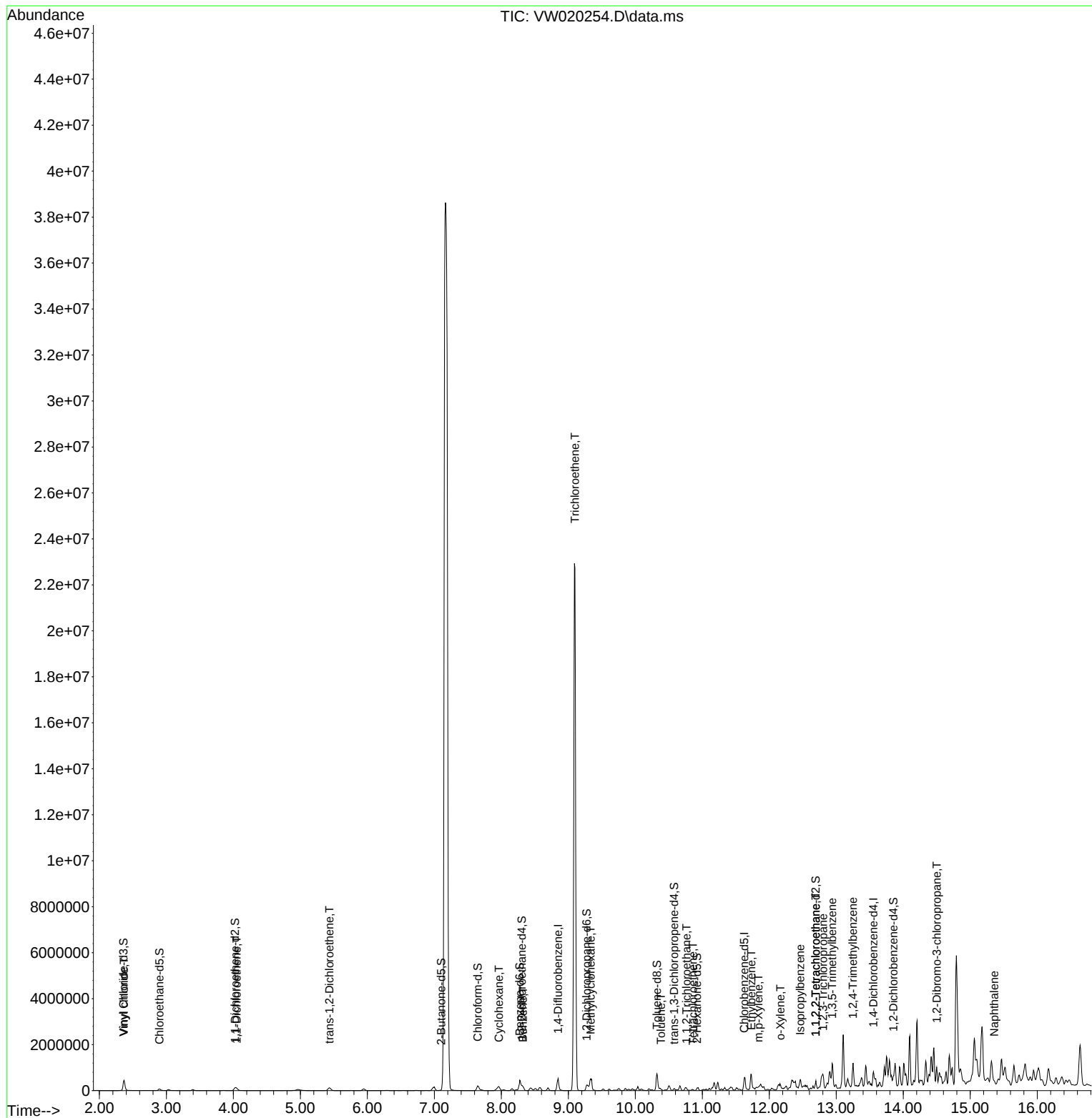
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.359	128	21143	2.468	ug/L	# 69

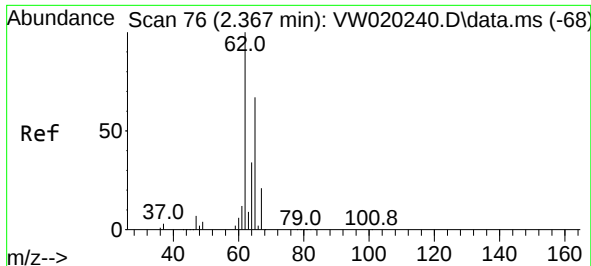
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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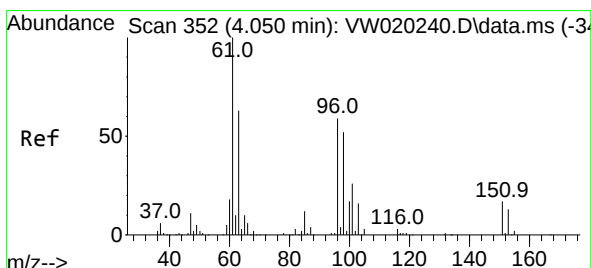
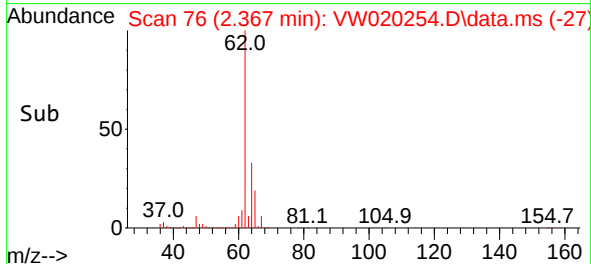
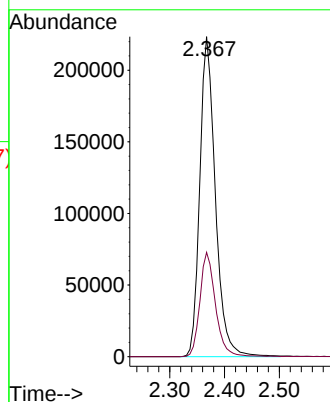
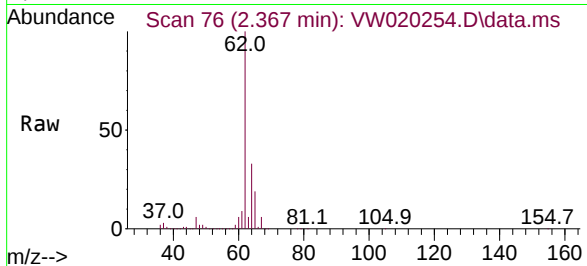




#5
 Vinyl chloride
 Concen: 60.243 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VW020254.D
 Acq: 30 Sep 2021 01:30

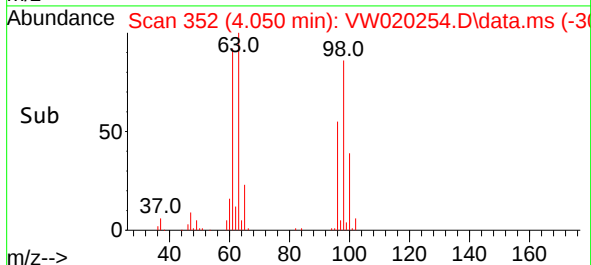
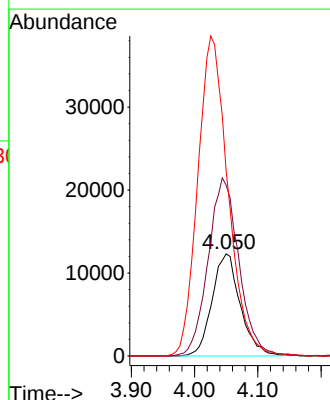
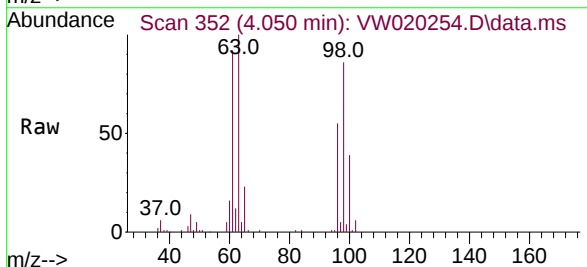
Instrument :
 MSVOA_W
 ClientSampled :

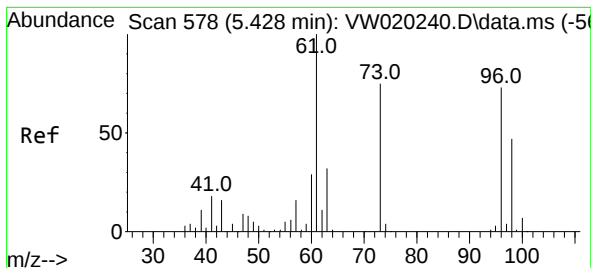
Tgt Ion: 62 Resp: 441620
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.5 45.5



#12
 1,1-Dichloroethene
 Concen: 7.446 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. 0.000 min
 Lab File: VW020254.D
 Acq: 30 Sep 2021 01:30

Tgt Ion: 96 Resp: 38060
 Ion Ratio Lower Upper
 96 100
 61 167.3 126.1 234.3
 63 181.5 112.6 209.0

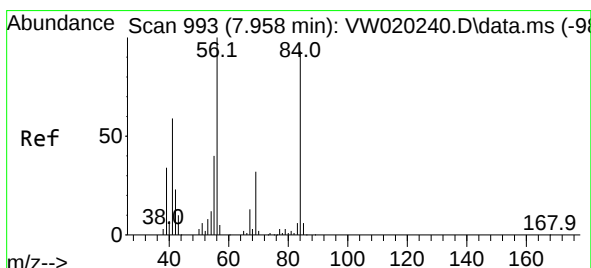
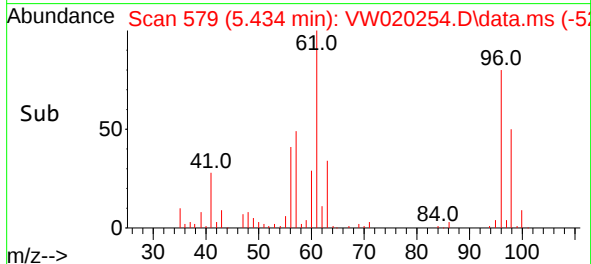
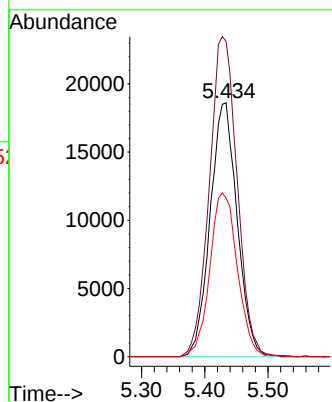
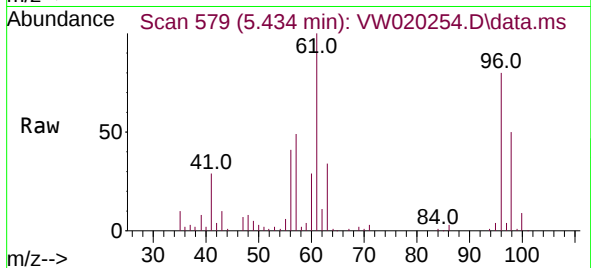




#17
trans-1,2-Dichloroethene
Concen: 10.266 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

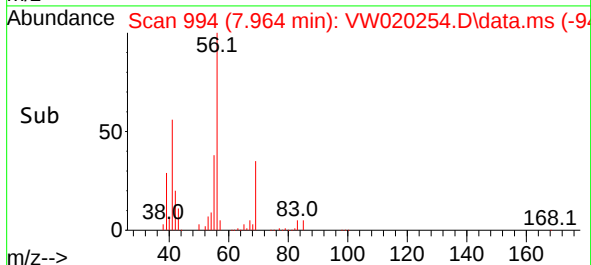
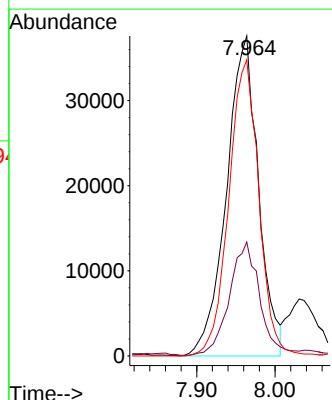
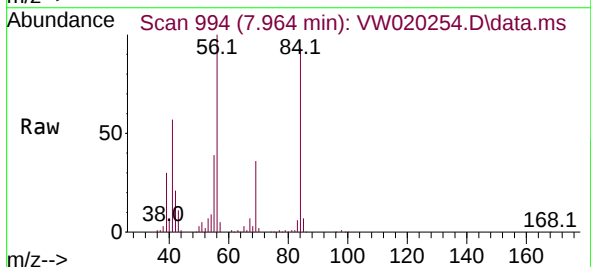
Instrument :
MSVOA_W
ClientSampled :

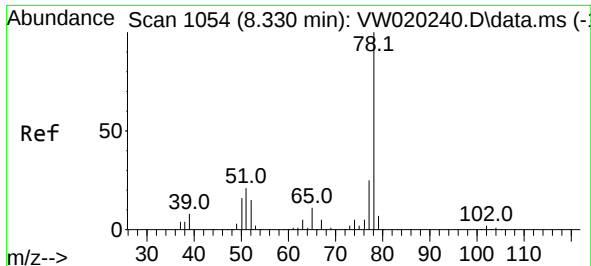
Tgt Ion: 96 Resp: 55282
Ion Ratio Lower Upper
96 100
61 124.2 98.3 182.5
98 62.4 46.6 86.6



#29
Cyclohexane
Concen: 14.951 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

Tgt Ion: 56 Resp: 106608
Ion Ratio Lower Upper
56 100
69 33.7 25.7 38.5
84 87.0 73.4 110.2

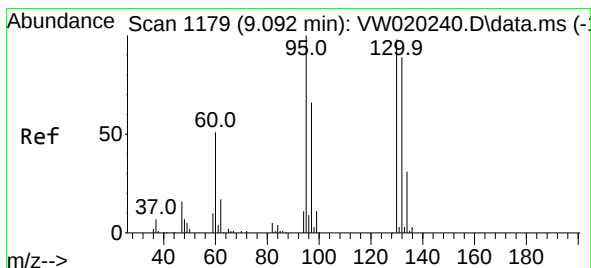
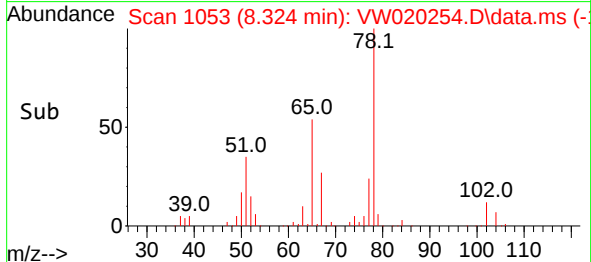
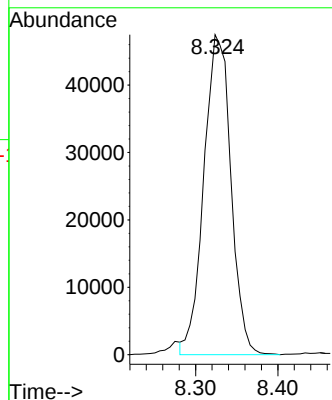
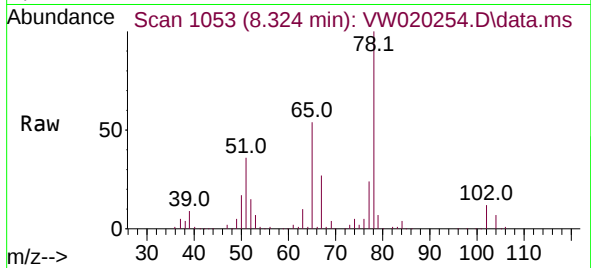




#33
Benzene
Concen: 5.609 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

Instrument :
MSVOA_W
ClientSampled :

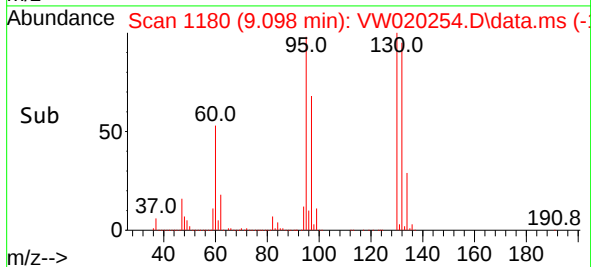
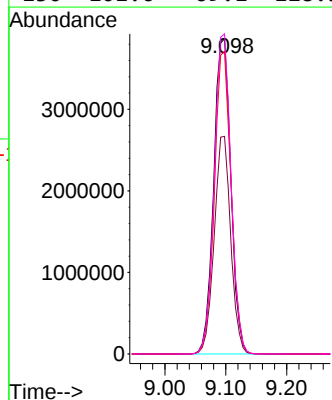
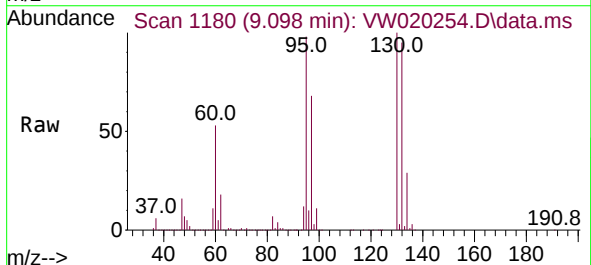
Tgt Ion: 78 Resp: 108470

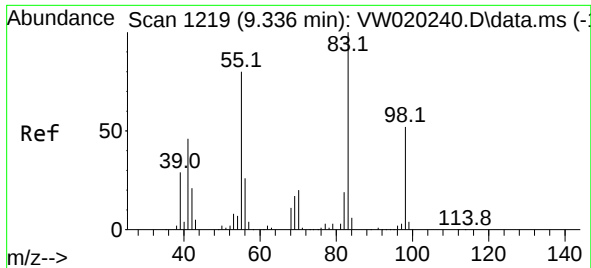


#34
Trichloroethene
Concen: 1457.608 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

Tgt Ion: 95 Resp: 7546345

Ion	Ratio	Lower	Upper
95	100		
97	69.1	45.1	83.7
132	96.0	67.9	126.1
130	101.6	69.1	128.3

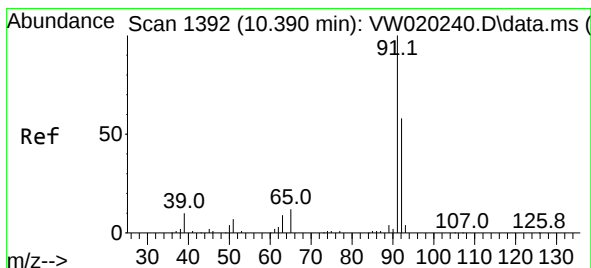
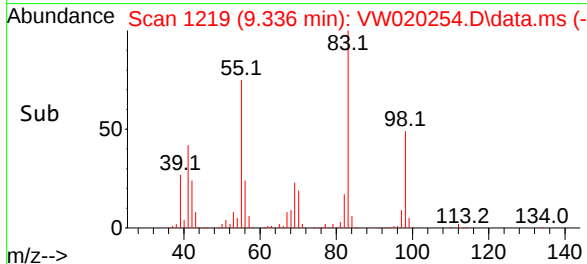
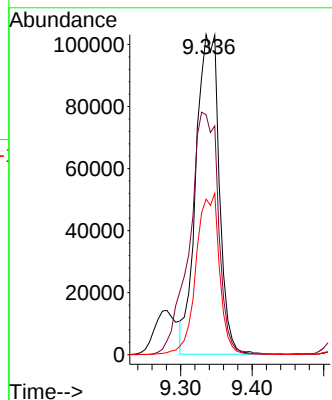
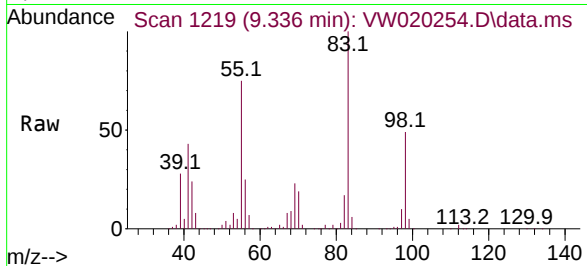




#35
Methylcyclohexane
Concen: 27.481 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

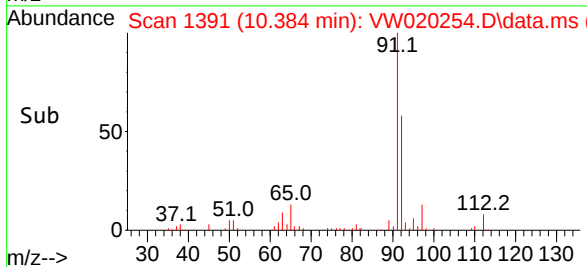
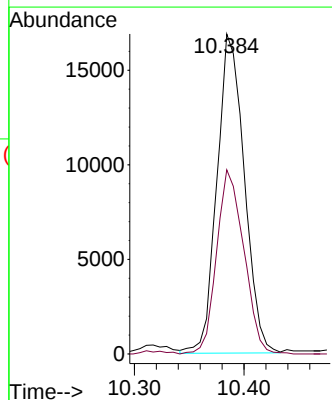
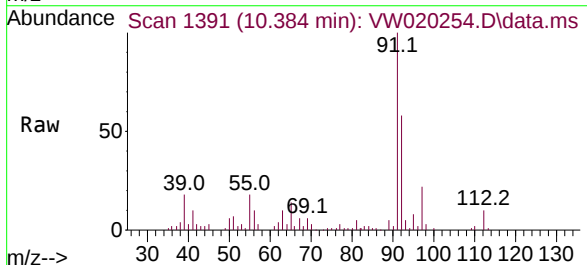
Instrument :
MSVOA_W
ClientSampled :

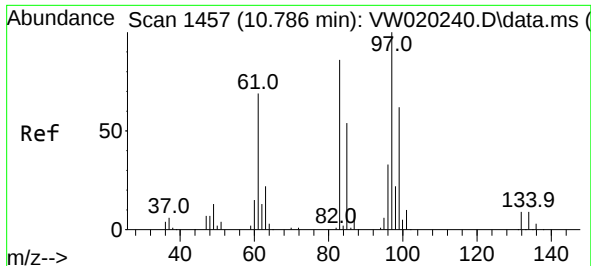
Tgt Ion: 83 Resp: 231820
Ion Ratio Lower Upper
83 100
55 71.0 61.4 92.2
98 51.0 38.1 57.1



#42
Toluene
Concen: 1.423 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

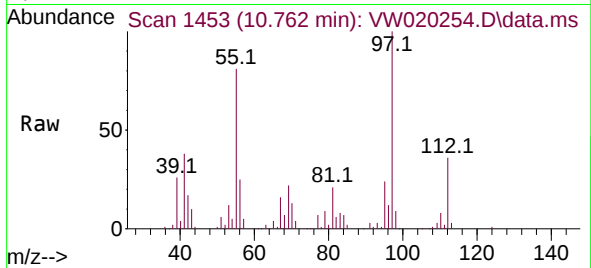
Tgt Ion: 91 Resp: 29242
Ion Ratio Lower Upper
91 100
92 57.6 42.2 78.4



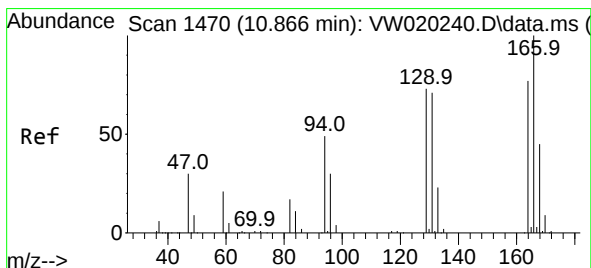
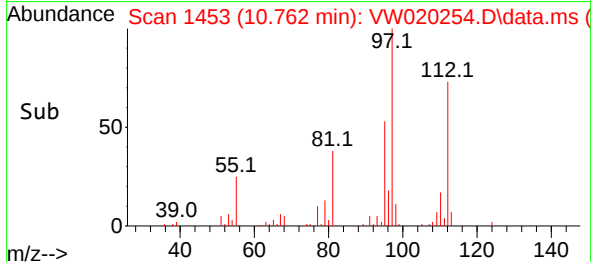
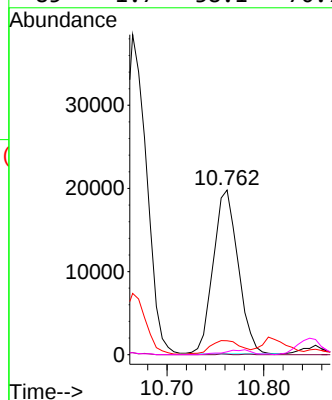


#45
1,1,2-Trichloroethane
Concen: 10.027 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

Instrument :
MSVOA_W
ClientSampled :

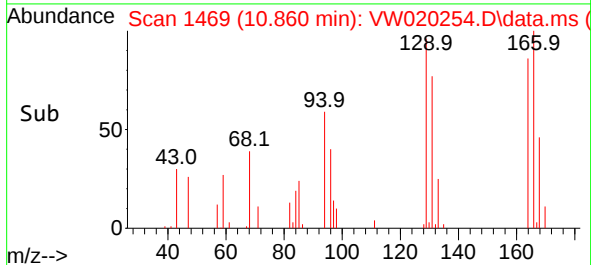
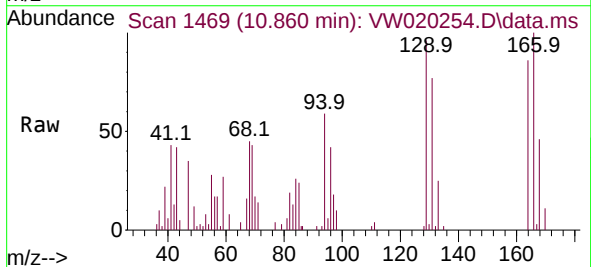
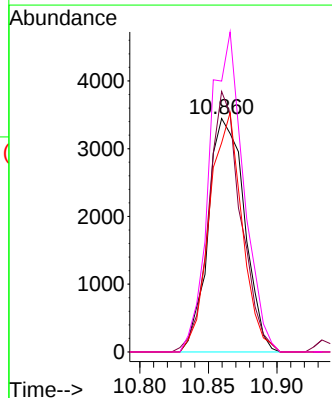


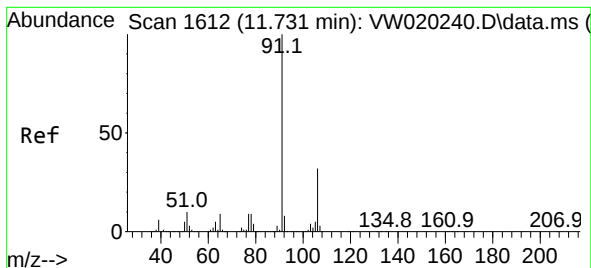
Tgt Ion: 97 Resp: 35219
Ion Ratio Lower Upper
97 100
99 0.3 42.0 78.0#
83 8.4 58.7 108.9#
85 1.7 38.1 70.7#



#46
Tetrachloroethene
Concen: 1.586 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

Tgt Ion: 164 Resp: 6346
Ion Ratio Lower Upper
164 100
129 111.6 69.5 129.1
131 89.6 66.5 123.5
166 116.0 89.1 165.5

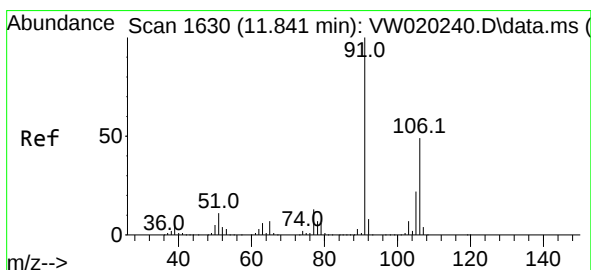
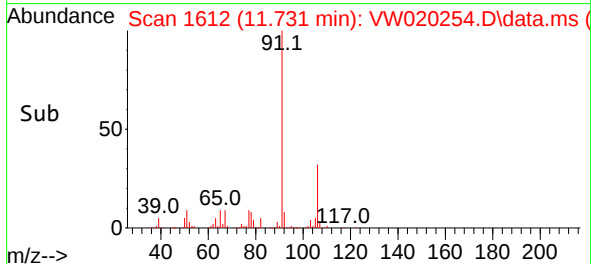
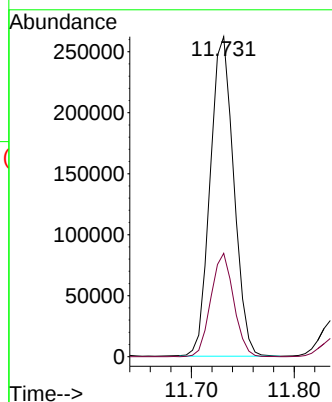
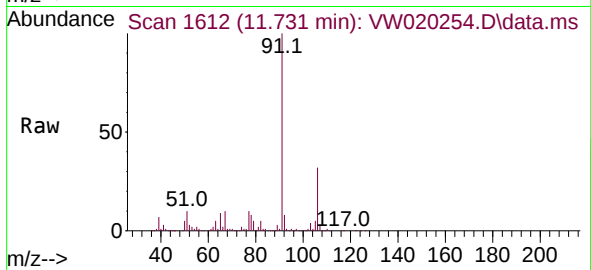




#52
Ethylbenzene
Concen: 18.456 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

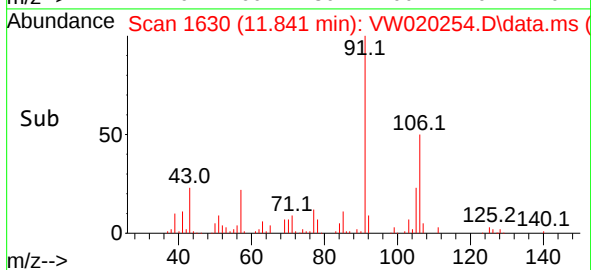
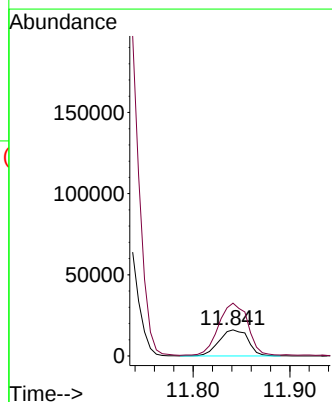
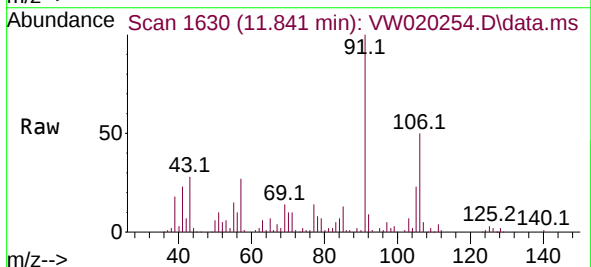
Instrument :
MSVOA_W
ClientSampled :

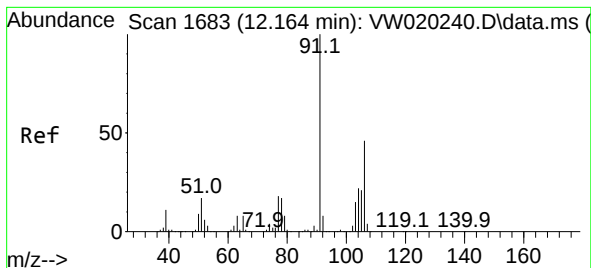
Tgt Ion: 91 Resp: 417676
Ion Ratio Lower Upper
91 100
106 32.3 22.0 40.8



#53
m,p-Xylene
Concen: 3.888 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

Tgt Ion: 106 Resp: 33545
Ion Ratio Lower Upper
106 100
91 201.7 146.4 271.8





#54

o-Xylene

Concen: 4.834 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VW020254.D

Acq: 30 Sep 2021 01:30

Tgt Ion:106 Resp: 38584

Ion Ratio Lower Upper

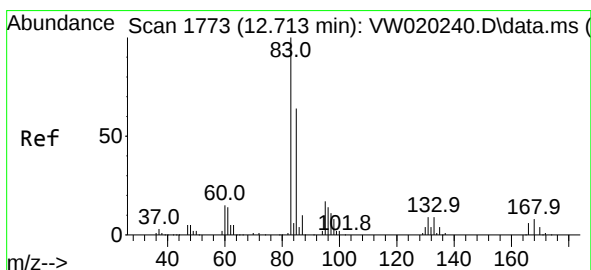
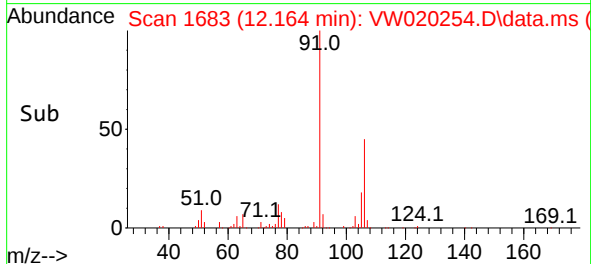
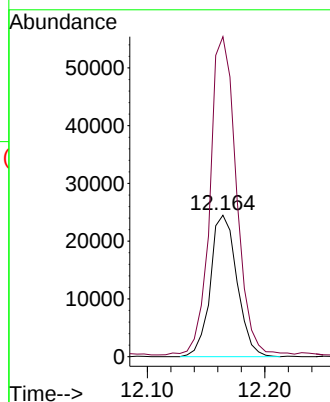
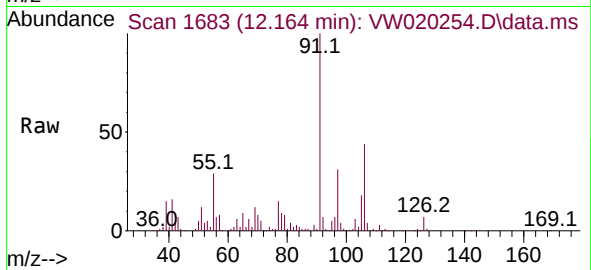
106 100

91 226.2 154.3 286.7

Instrument :

MSVOA_W

ClientSampleId :



#57

1,1,2,2-Tetrachloroethane

Concen: 1.275 ug/L

RT: 12.695 min Scan# 1770

Delta R.T. -0.018 min

Lab File: VW020254.D

Acq: 30 Sep 2021 01:30

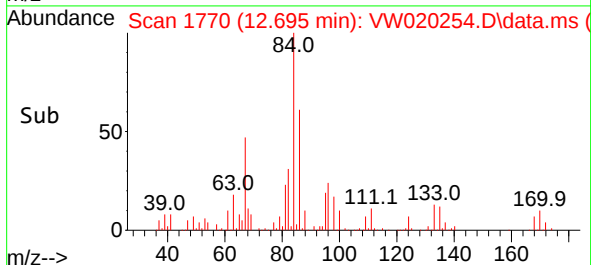
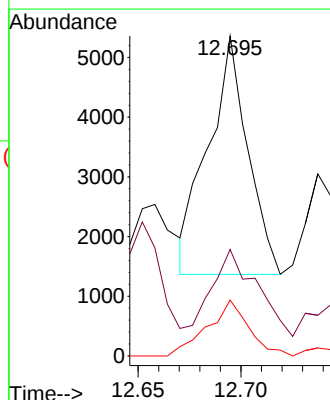
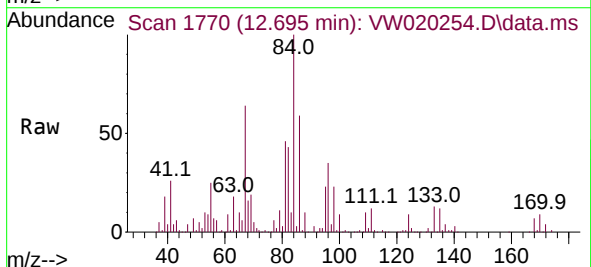
Tgt Ion: 83 Resp: 5350

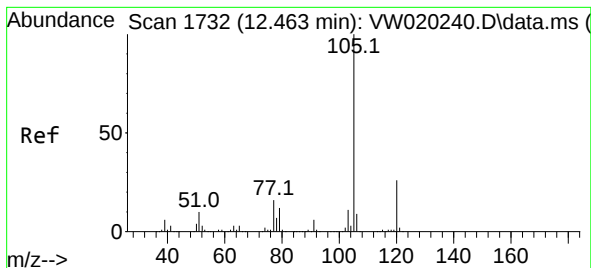
Ion Ratio Lower Upper

83 100

85 33.3 43.3 80.5#

131 17.4 7.9 11.9#

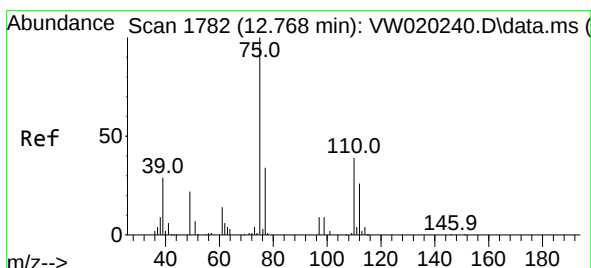
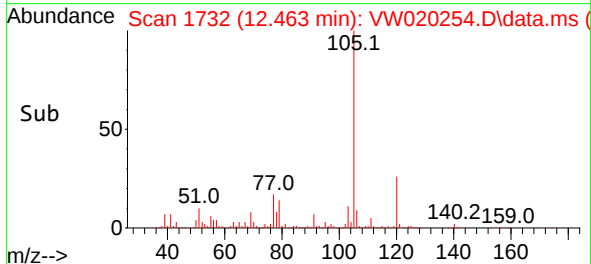
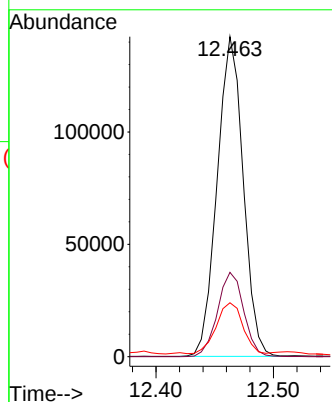
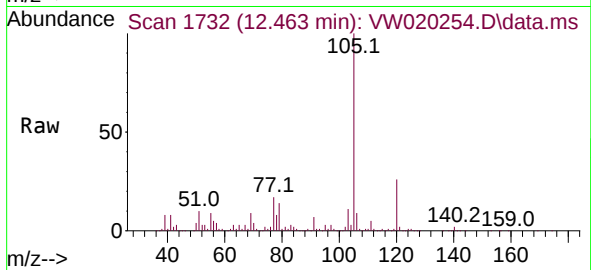




#60
Isopropylbenzene
Concen: 11.046 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

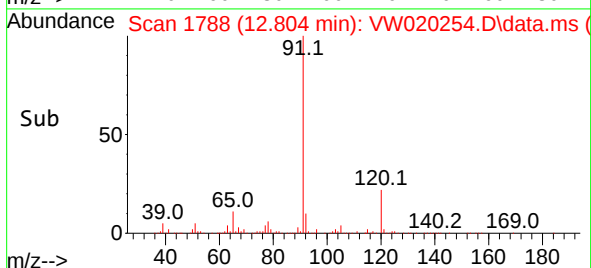
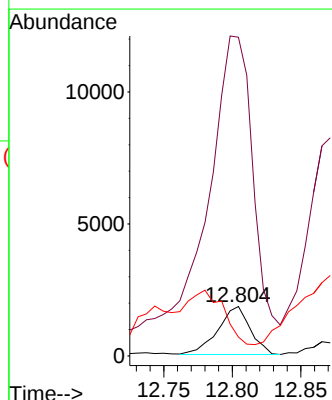
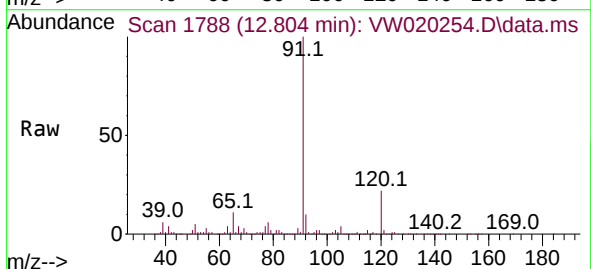
Instrument :
MSVOA_W
ClientSampled :

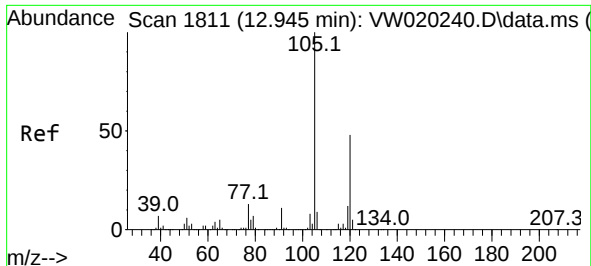
Tgt Ion:105 Resp: 219158
Ion Ratio Lower Upper
105 100
120 26.5 20.9 31.3
77 17.4 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 1.073 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.037 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

Tgt Ion: 75 Resp: 2997
Ion Ratio Lower Upper
75 100
77 859.5 26.3 39.5#
110 136.0 30.2 45.2#

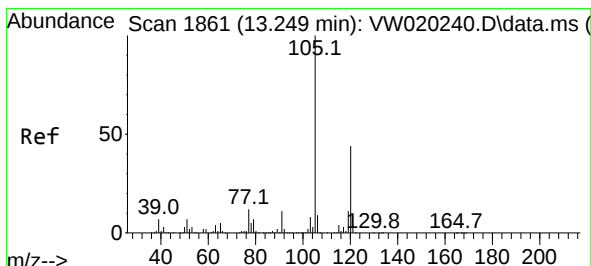
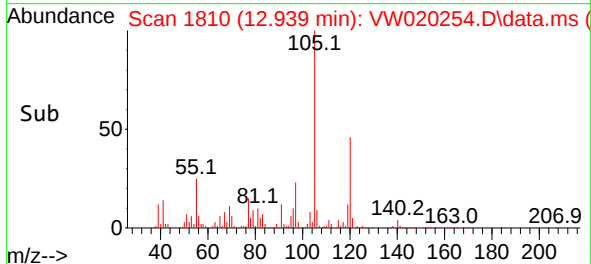
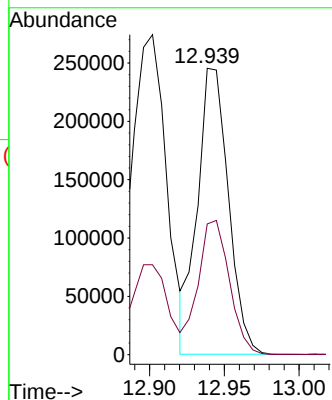
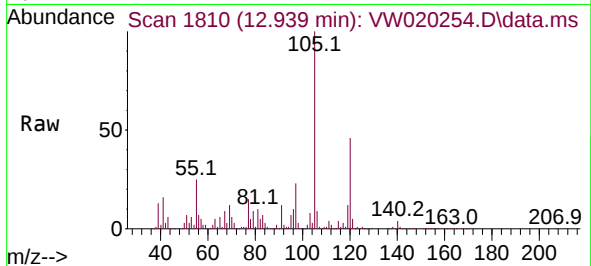




#62
1,3,5-Trimethylbenzene
Concen: 21.680 ug/L
RT: 12.939 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

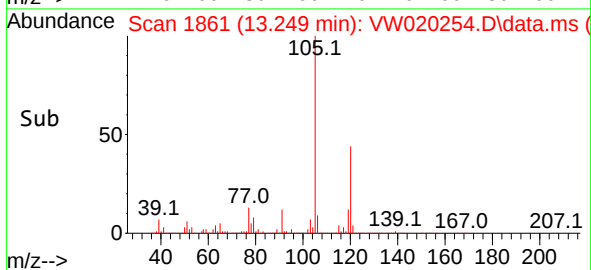
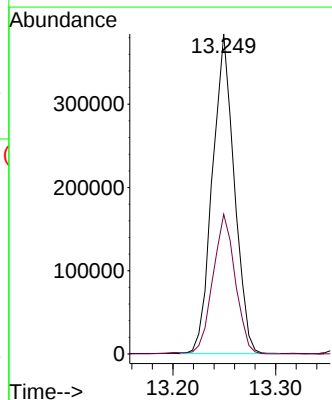
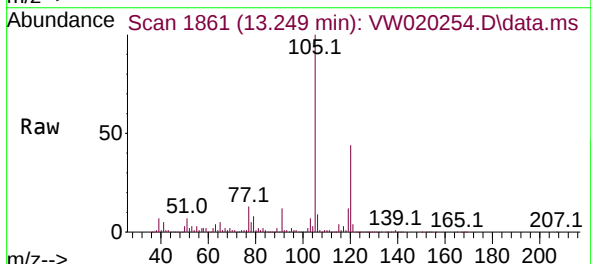
Instrument :
MSVOA_W
ClientSampled :

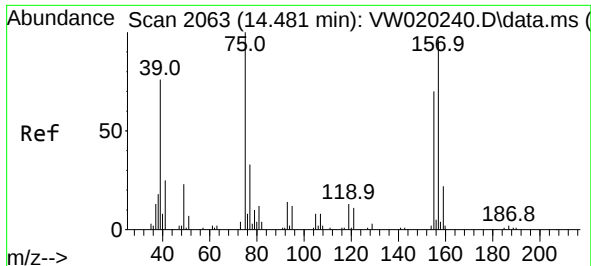
Tgt Ion:105 Resp: 353026
Ion Ratio Lower Upper
105 100
120 47.4 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 35.352 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

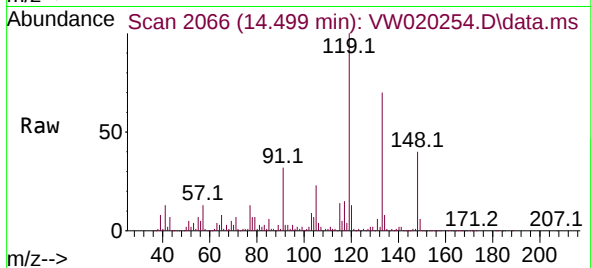
Tgt Ion:105 Resp: 565476
Ion Ratio Lower Upper
105 100
120 44.4 36.2 54.4



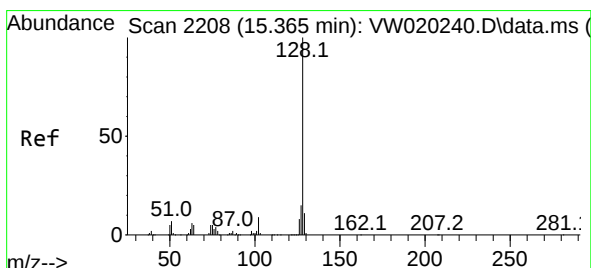
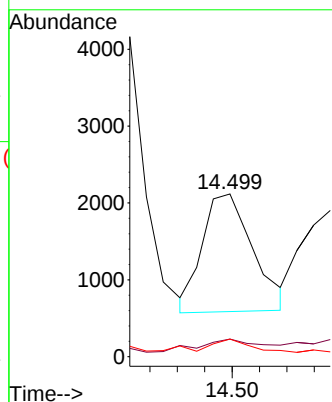
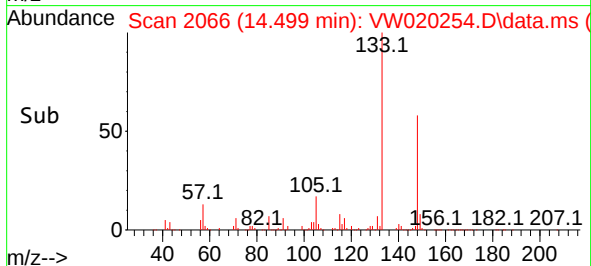


#68
1,2-Dibromo-3-chloropropane
Concen: 3.136 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30

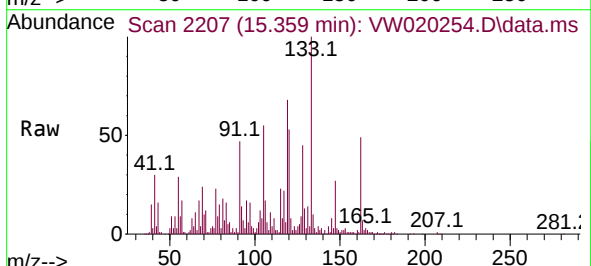
Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 75 Resp: 1967
Ion Ratio Lower Upper
75 100
155 10.9 58.5 87.7#
157 10.8 77.4 116.0#



#71
Naphthalene
Concen: 2.468 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW020254.D
Acq: 30 Sep 2021 01:30



Tgt Ion: 128 Resp: 21143
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

