

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026501.D
 Acq On : 01 Jul 2023 03:36
 Operator : SY/MD
 Sample : 03501-04
 Misc : 4.52g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46W1

Quant Time: Jul 03 01:15:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jul 01 01:41:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	894824	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	925384	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	269290	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	188045	18.457	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.840%
7) Chloroethane-d5	3.112	69	473	0.057	ug/L	0.22
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.240%#
11) 1,1-Dichloroethene-d2	4.021	65	88626	17.385	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.560%
21) 2-Butanone-d5	7.075	46	143418	37.247	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.500%
24) Chloroform-d	7.648	84	419663	19.241	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.960%
26) 1,2-Dichloroethane-d4	8.307	65	252893	21.213	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.840%
32) Benzene-d6	8.276	84	819497	15.227	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	60.920%
36) 1,2-Dichloropropane-d6	9.276	67	266474	15.535	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	62.160%#
41) Toluene-d8	10.325	98	871022	18.322	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.280%
43) trans-1,3-Dichloroprop...	10.575	79	103373	14.951	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.800%
47) 2-Hexanone-d5	10.922	63	125076	43.602	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.200%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	225558	17.031	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.120%
66) 1,2-Dichlorobenzene-d4	13.854	152	170109	18.142	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	72.560%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.369	62	196819	15.515	ug/L	99
8) Chloroethane	2.930	64	243725	31.679	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	70801	6.915	ug/L	99
12) 1,1-Dichloroethene	4.045	96	31503	3.144	ug/L #	1
13) Acetone	4.118	43	217836	80.086	ug/L	91
14) Carbon disulfide	4.387	76	24088	0.743	ug/L	95
19) 1,1-Dichloroethane	6.216	63	189730	8.747	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	128811	10.550	ug/L	98
22) 2-Butanone	7.167	43	89893	20.158	ug/L	98
29) Cyclohexane	7.959	56	20866	0.795	ug/L	93
30) 1,1,1-Trichloroethane	7.874	97	49174	2.495	ug/L	98
34) Trichloroethene	9.093	95	28606	1.938	ug/L	96
35) Methylcyclohexane	9.331	83	41250	1.569	ug/L #	70
42) Toluene	10.386	91	65424	1.103	ug/L	97
45) 1,1,2-Trichloroethane	10.764	97	10175	0.971	ug/L #	28
46) Tetrachloroethene	10.861	164	28254	2.707	ug/L	97
48) 2-Hexanone	10.928	43	40681	5.738	ug/L #	42
53) m,p-Xylene	11.837	106	18007	0.728	ug/L	99
54) o-Xylene	12.160	106	31300	1.364	ug/L	96

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 Quant Title : SFAM01.0
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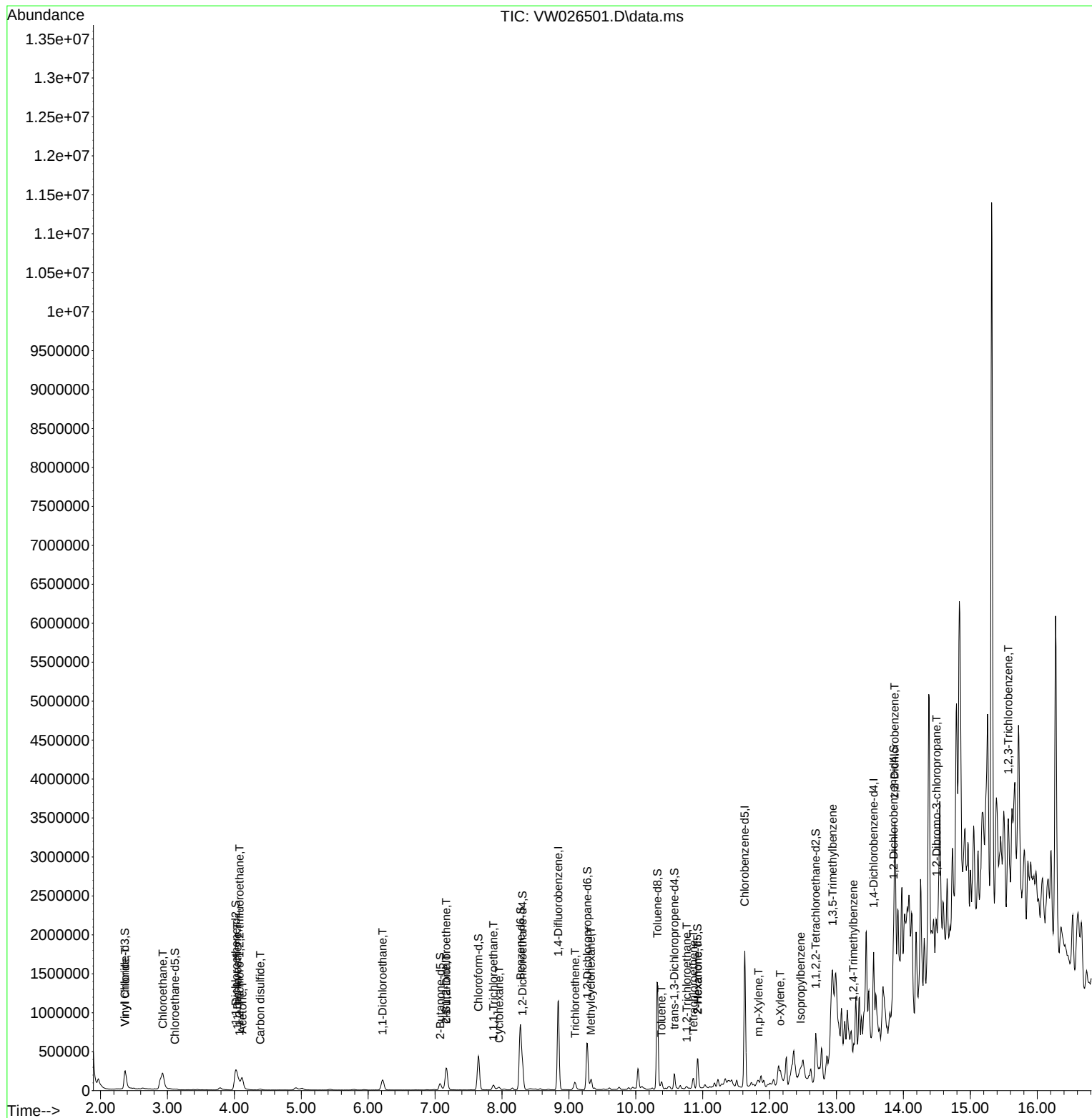
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	12.464	105	31367	0.799	ug/L #	84
62) 1,3,5-Trimethylbenzene	12.940	105	24474	0.784	ug/L	100
63) 1,2,4-Trimethylbenzene	13.251	105	48888	1.602	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	32926	2.208	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.495	75	1363	1.011	ug/L #	67
72) 1,2,3-Trichlorobenzene	15.568	180	10508	1.258	ug/L #	83

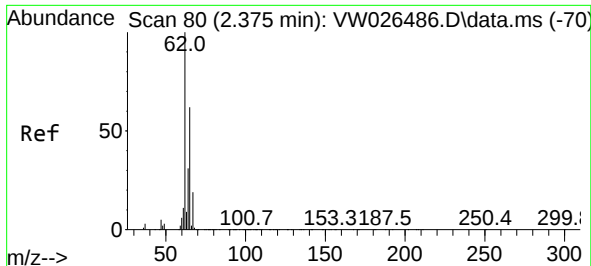
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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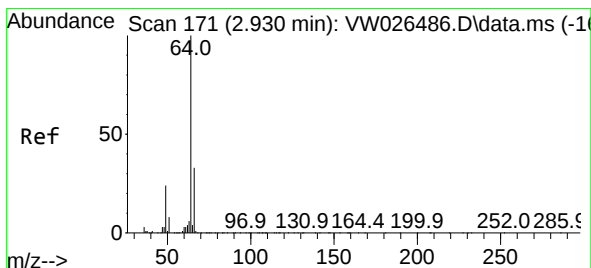
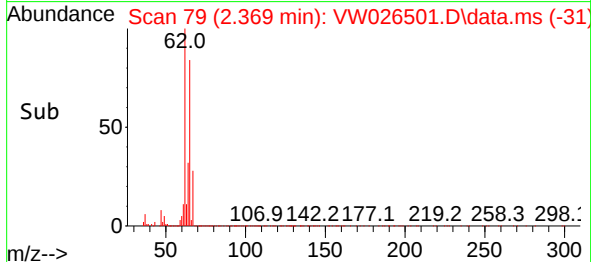
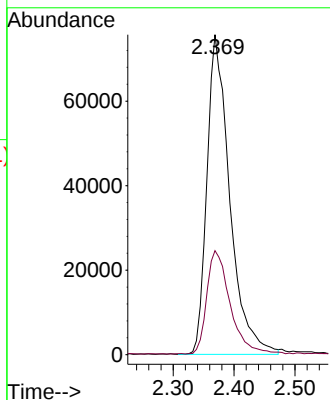
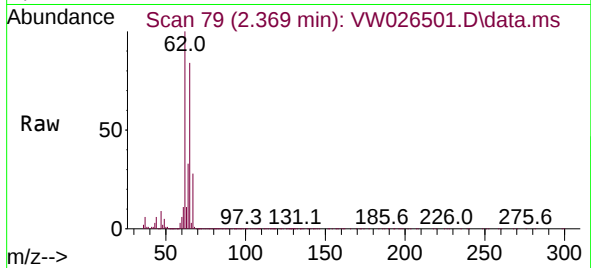




#5
 Vinyl chloride
 Concen: 15.515 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW026501.D
 Acq: 01 Jul 2023 03:36

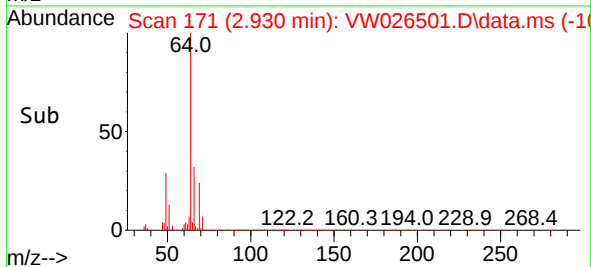
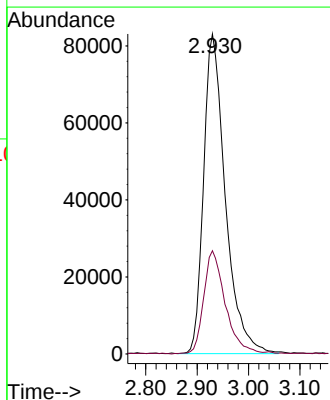
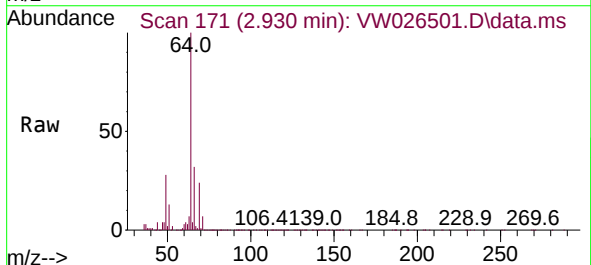
Instrument :
 MSVOA_W
 ClientSampleId :
 A46W1

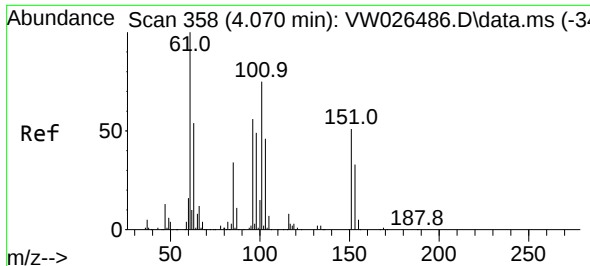
Tgt Ion: 62 Resp: 196819
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.0 42.8



#8
 Chloroethane
 Concen: 31.679 ug/L
 RT: 2.930 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VW026501.D
 Acq: 01 Jul 2023 03:36

Tgt Ion: 64 Resp: 243725
 Ion Ratio Lower Upper
 64 100
 66 32.2 22.1 41.1

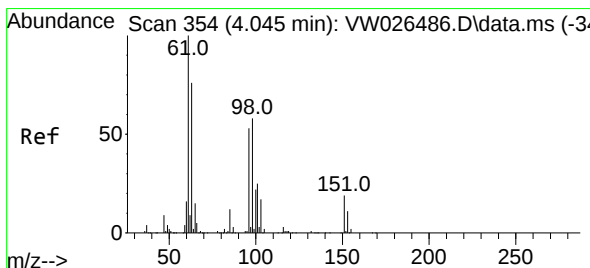
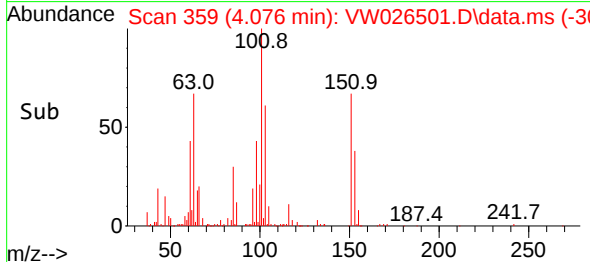
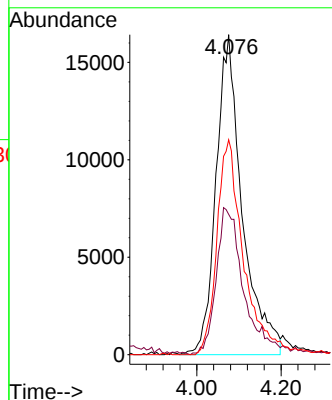
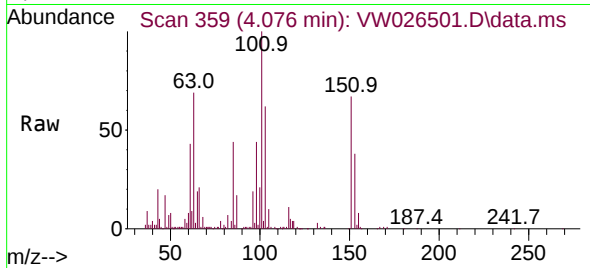




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 6.915 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW026501.D
 Acq: 01 Jul 2023 03:36

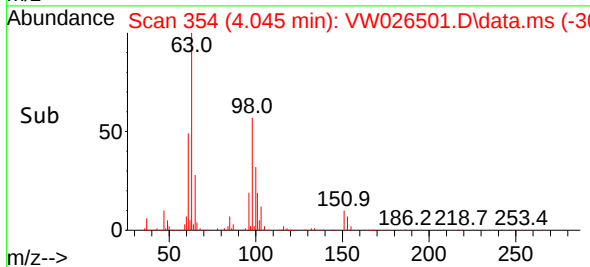
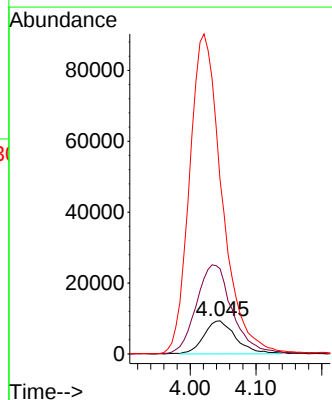
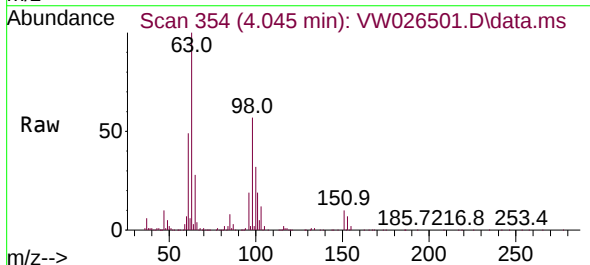
Instrument :
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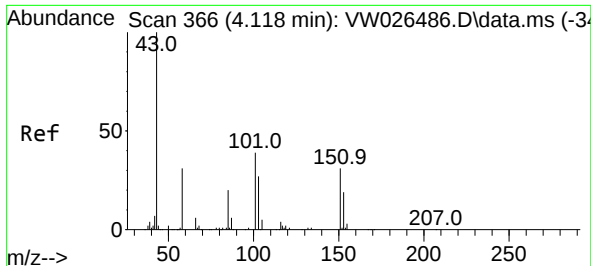
Tgt Ion:101 Resp: 70801
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.1 51.1
 151 67.5 53.7 80.5



#12
 1,1-Dichloroethene
 Concen: 3.144 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026501.D
 Acq: 01 Jul 2023 03:36

Tgt Ion: 96 Resp: 31503
 Ion Ratio Lower Upper
 96 100
 61 257.2 134.0 248.8#
 63 525.1 117.1 217.5#

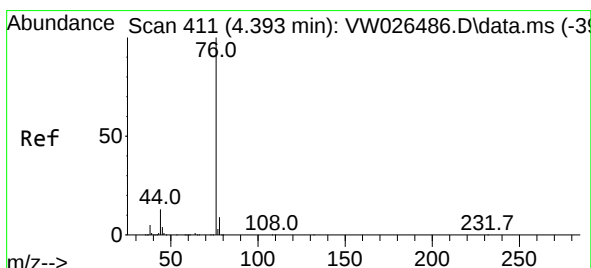
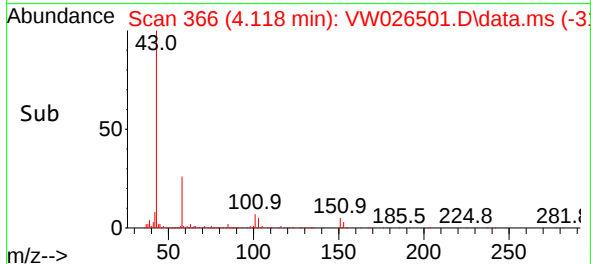
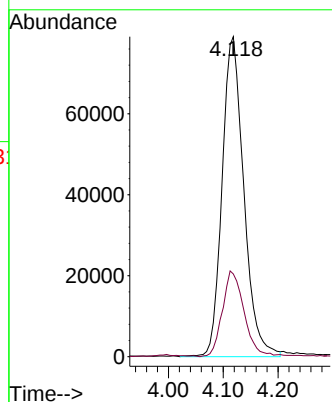
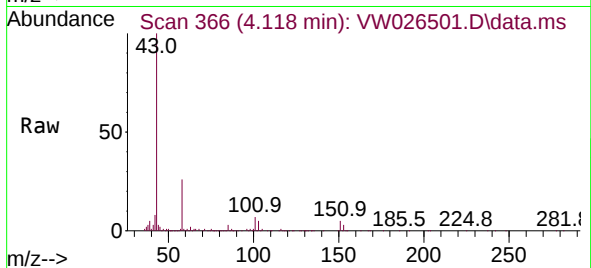




#13
Acetone
Concen: 80.086 ug/L
RT: 4.118 min Scan# 301
Delta R.T. -0.000 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

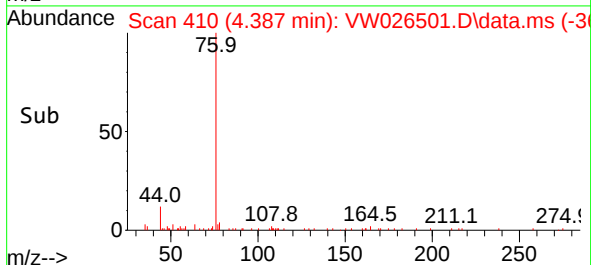
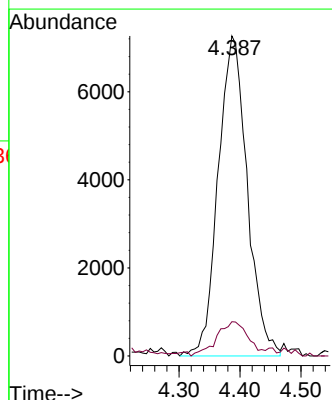
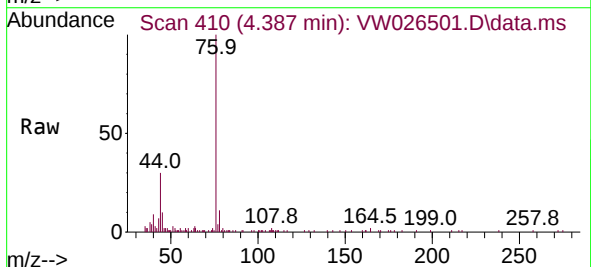
Instrument :
MSVOA_W
ClientSampleId :
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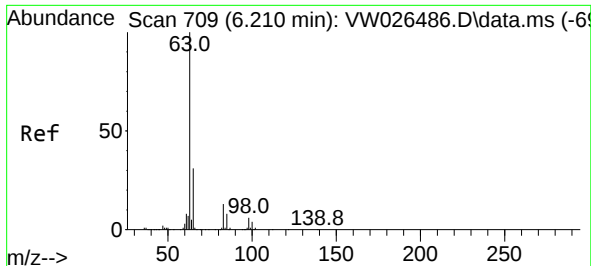
Tgt Ion: 43 Resp: 217836
Ion Ratio Lower Upper
43 100
58 26.6 0.0 63.2



#14
Carbon disulfide
Concen: 0.743 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

Tgt Ion: 76 Resp: 24088
Ion Ratio Lower Upper
76 100
78 10.7 7.1 10.7





#19

1,1-Dichloroethane

Concen: 8.747 ug/L

RT: 6.216 min Scan# 709

Delta R.T. 0.006 min

Lab File: VW026501.D

Acq: 01 Jul 2023 03:36

Instrument :

MSVOA_W

ClientSampleId :

A46W1

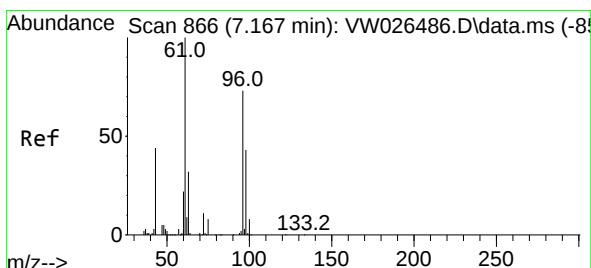
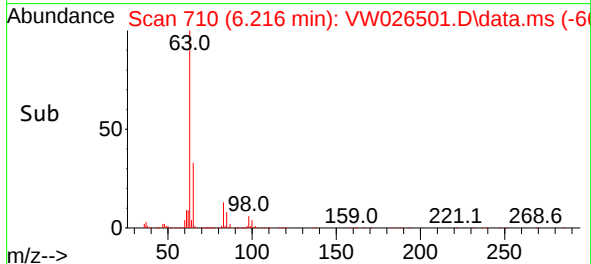
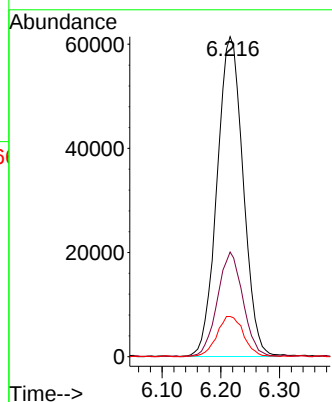
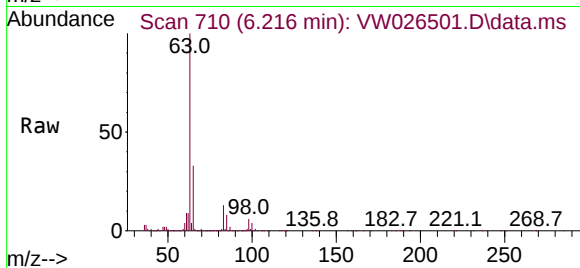
Tgt Ion: 63 Resp: 189730

Ion Ratio Lower Upper

63 100

65 32.7 22.3 41.5

83 12.6 8.3 15.3



#20

cis-1,2-Dichloroethene

Concen: 10.550 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW026501.D

Acq: 01 Jul 2023 03:36

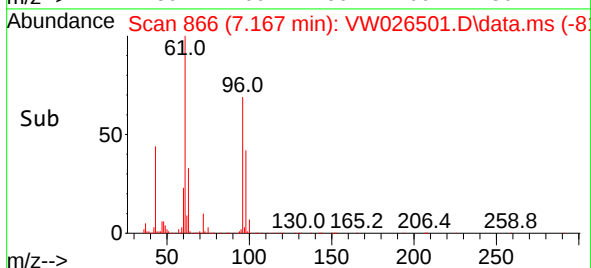
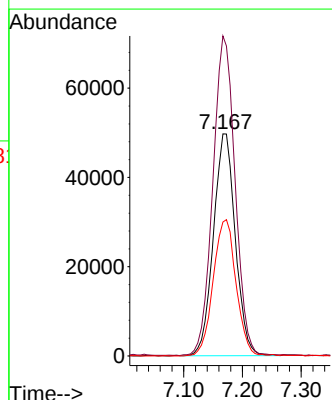
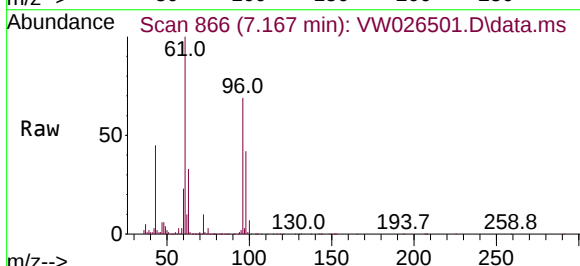
Tgt Ion: 96 Resp: 128811

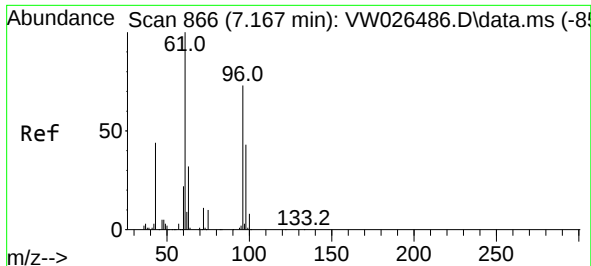
Ion Ratio Lower Upper

96 100

61 144.1 99.3 184.5

98 60.3 44.3 82.3

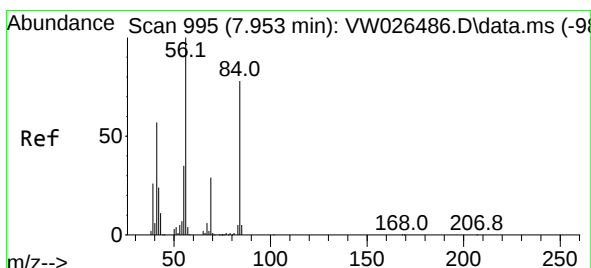
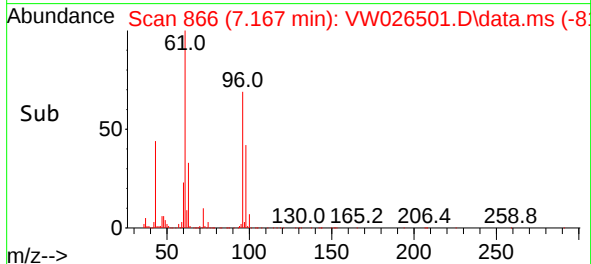
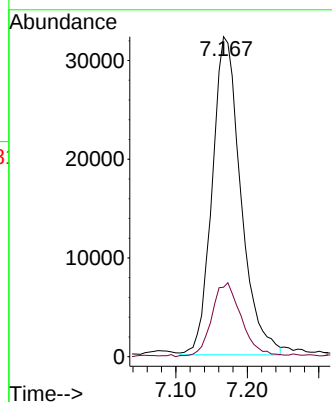
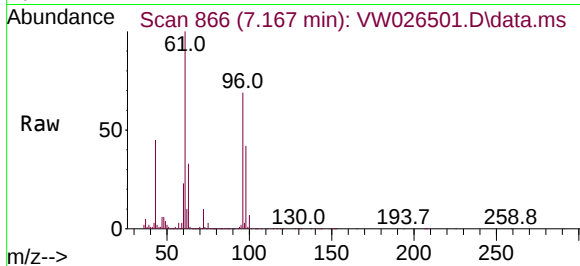




#22
2-Butanone
Concen: 20.158 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

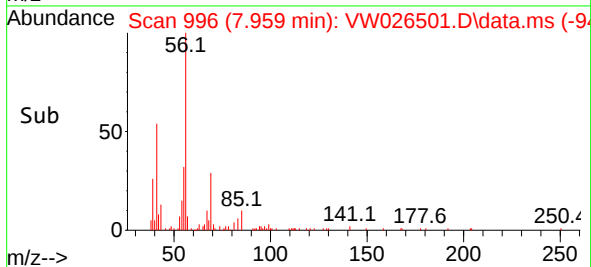
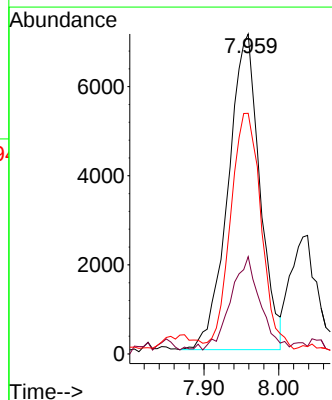
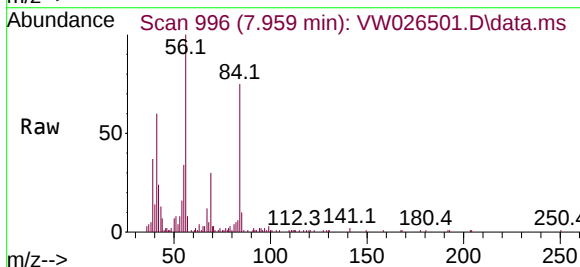
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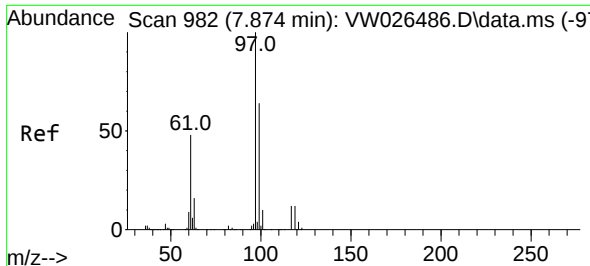
Tgt Ion: 43 Resp: 89893
Ion Ratio Lower Upper
43 100
72 24.2 12.6 37.8



#29
Cyclohexane
Concen: 0.795 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

Tgt Ion: 56 Resp: 20866
Ion Ratio Lower Upper
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69 27.3 23.2 34.8
84 72.0 63.5 95.3

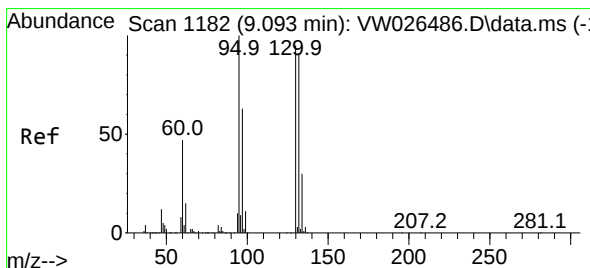
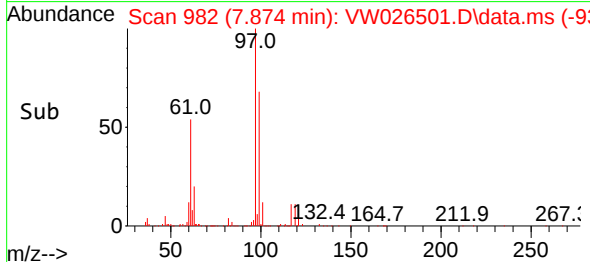
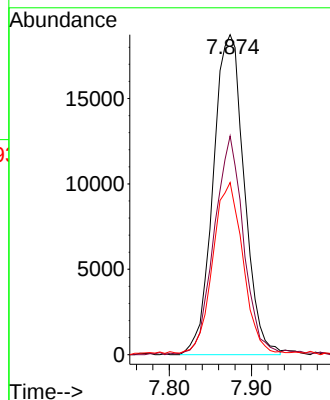
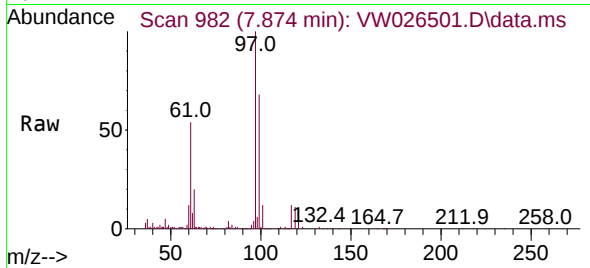




#30
1,1,1-Trichloroethane
Concen: 2.495 ug/L
RT: 7.874 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

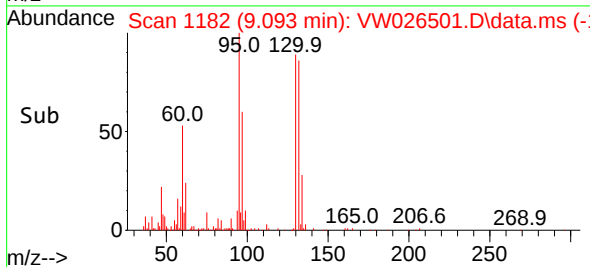
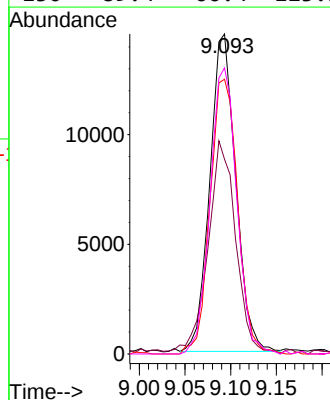
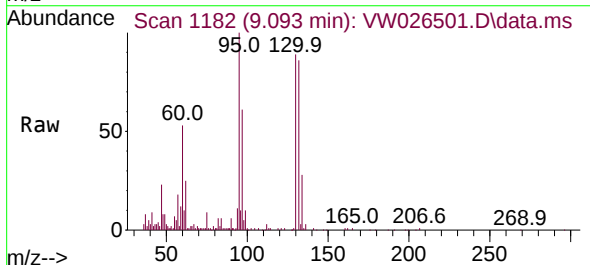
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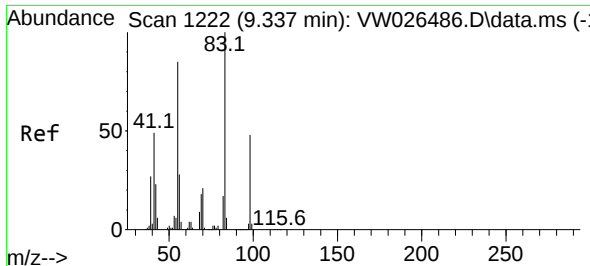
Tgt Ion:	97	Resp:	49174
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	52.4	39.5	59.3



#34
Trichloroethene
Concen: 1.938 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

Tgt Ion:	95	Resp:	28606
Ion	Ratio	Lower	Upper
95	100		
97	60.9	44.1	81.9
132	85.9	61.8	114.8
130	89.4	66.4	123.2





#35

Methylcyclohexane

Concen: 1.569 ug/L

RT: 9.331 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW026501.D

Acq: 01 Jul 2023 03:36

Instrument :

MSVOA_W

ClientSampleId :

A46W1

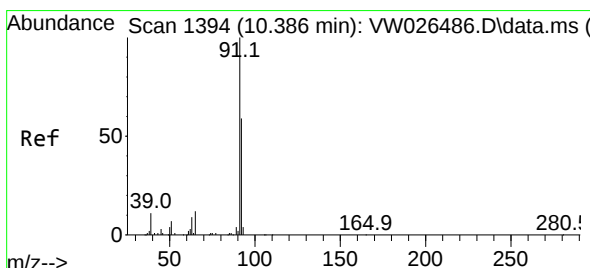
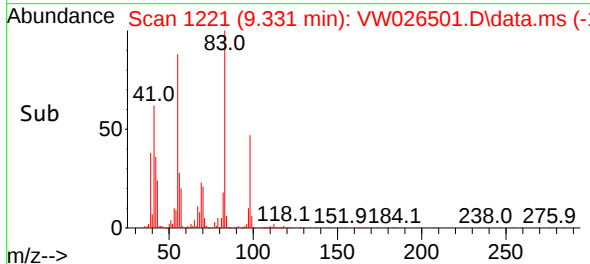
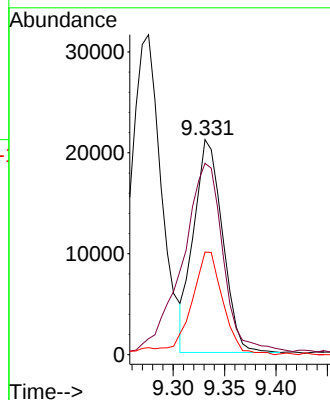
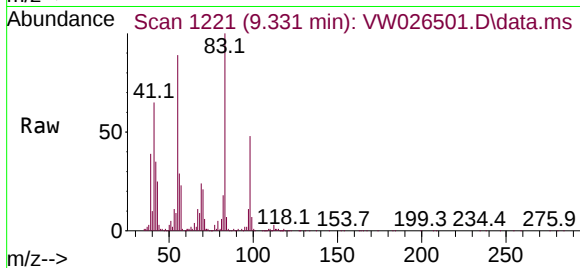
Tgt Ion: 83 Resp: 41250

Ion Ratio Lower Upper

83 100

55 123.2 66.5 99.7#

98 49.8 37.0 55.6



#42

Toluene

Concen: 1.103 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW026501.D

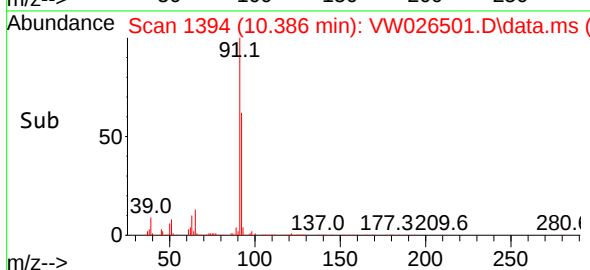
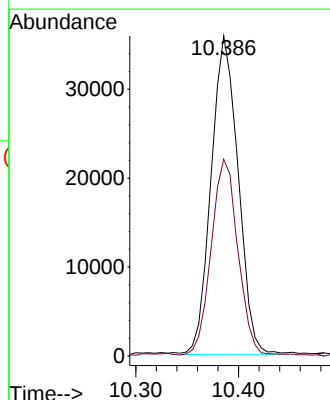
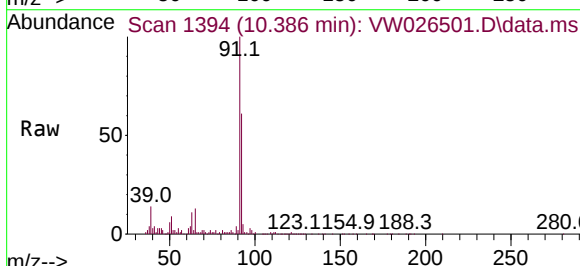
Acq: 01 Jul 2023 03:36

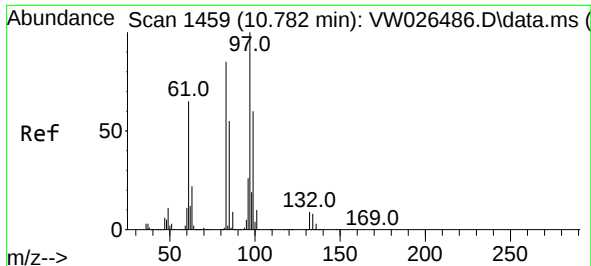
Tgt Ion: 91 Resp: 65424

Ion Ratio Lower Upper

91 100

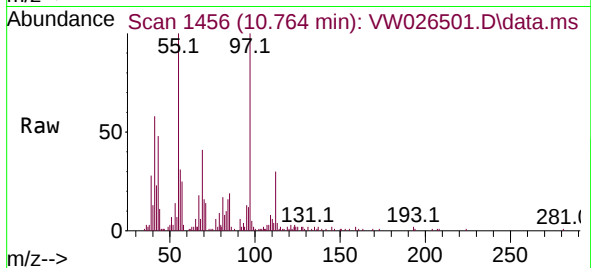
92 61.4 41.4 76.8



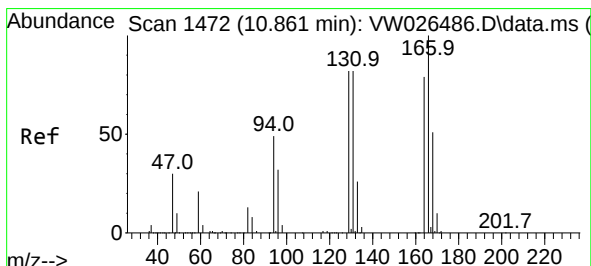
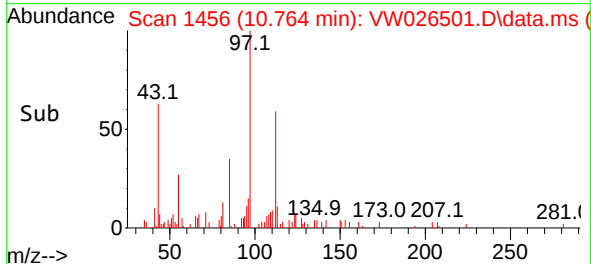
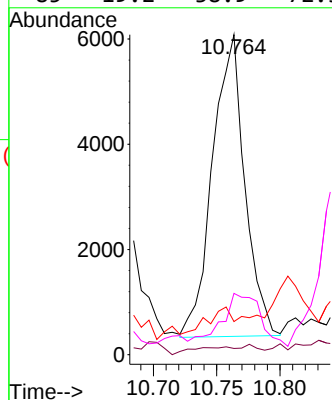


#45
1,1,2-Trichloroethane
Concen: 0.971 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.018 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

Instrument :
MSVOA_W
ClientSampleId :
A46W1

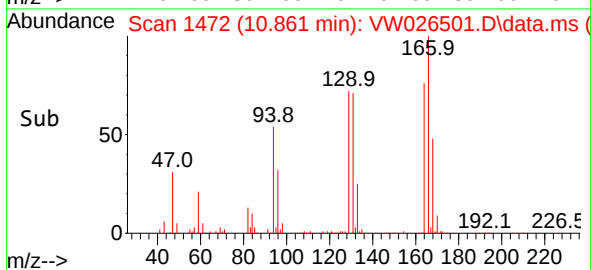
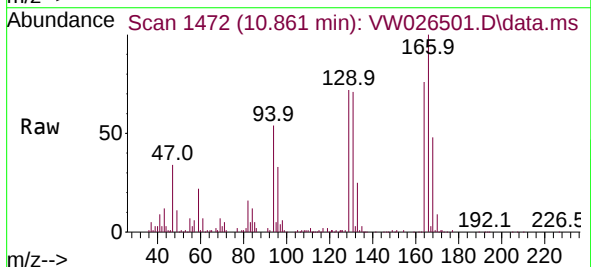
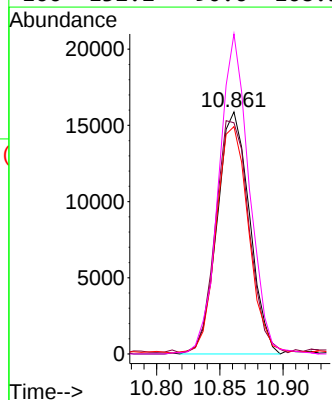


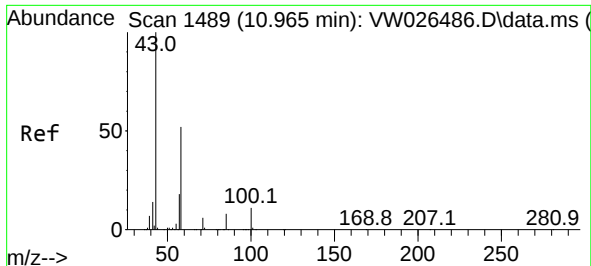
Tgt Ion:	97	Resp:	10175
Ion	Ratio	Lower	Upper
97	100		
99	1.9	42.1	78.3#
83	10.4	60.5	112.5#
85	19.2	38.9	72.3#



#46
Tetrachloroethene
Concen: 2.707 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

Tgt Ion:	164	Resp:	28254
Ion	Ratio	Lower	Upper
164	100		
129	95.5	69.0	128.2
131	93.9	62.6	116.3
166	132.2	90.6	168.3

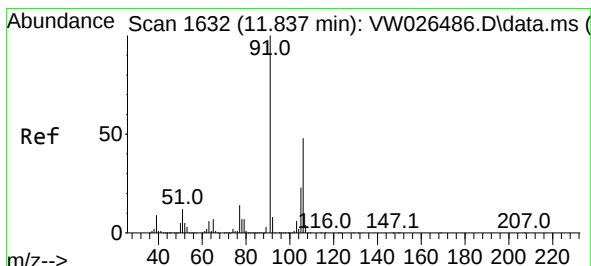
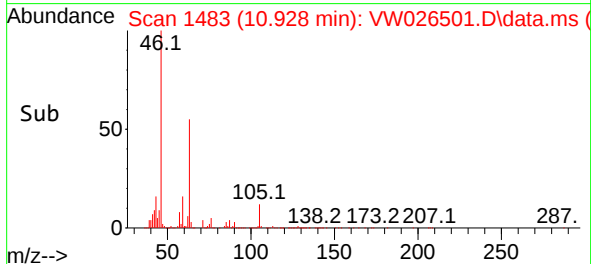
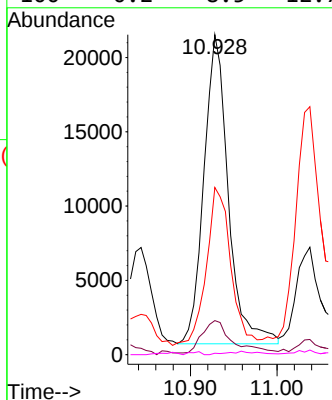
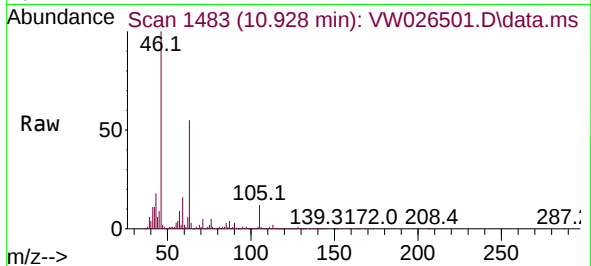




#48
2-Hexanone
Concen: 5.738 ug/L
RT: 10.928 min Scan# 1483
Delta R.T. -0.037 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

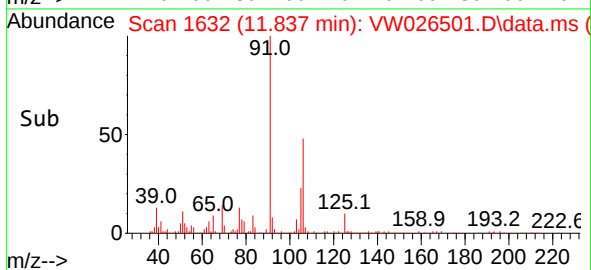
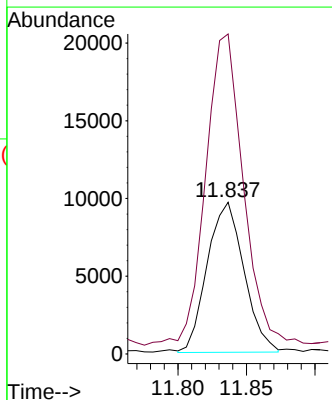
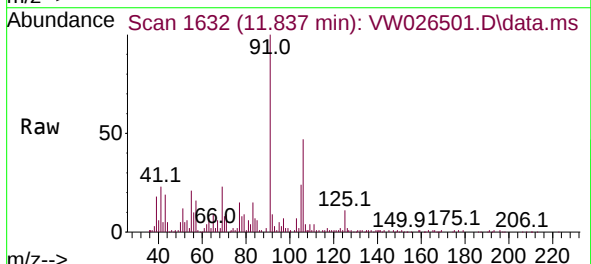
Instrument :
MSVOA_W
ClientSampleId :
A46W1

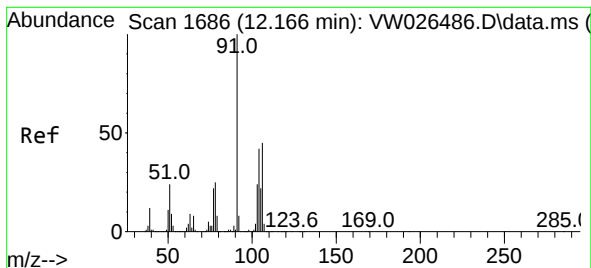
Tgt Ion: 43 Resp: 40681
Ion Ratio Lower Upper
43 100
58 10.8 42.1 63.1#
57 51.0 14.5 21.7#
100 0.2 8.5 12.7#



#53
m,p-Xylene
Concen: 0.728 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

Tgt Ion: 106 Resp: 18007
Ion Ratio Lower Upper
106 100
91 211.1 146.7 272.5





#54

o-Xylene

Concen: 1.364 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026501.D

Acq: 01 Jul 2023 03:36

Instrument :

MSVOA_W

ClientSampleId :

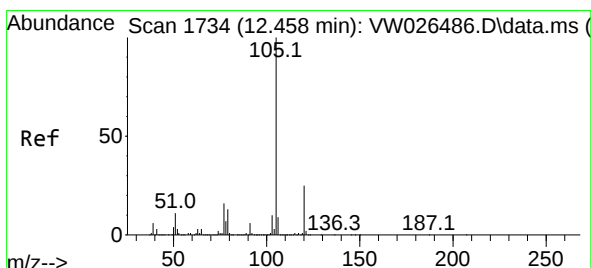
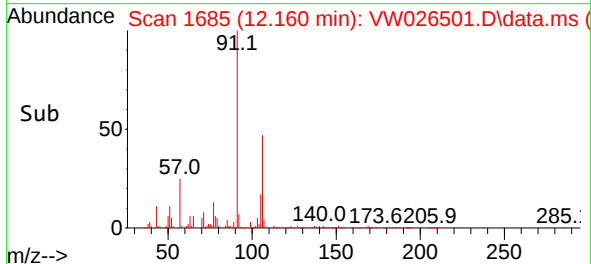
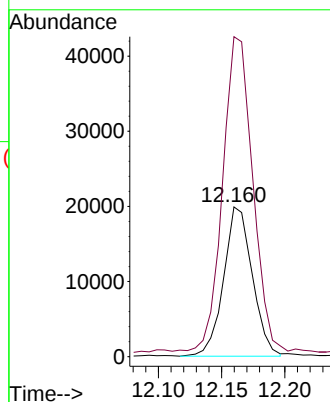
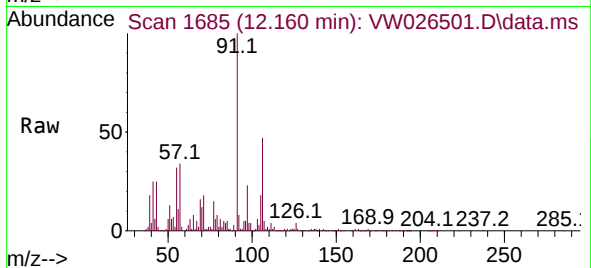
A46W1

Tgt Ion:106 Resp: 31300

Ion Ratio Lower Upper

106 100

91 213.6 145.5 270.1



#60

Isopropylbenzene

Concen: 0.799 ug/L

RT: 12.464 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW026501.D

Acq: 01 Jul 2023 03:36

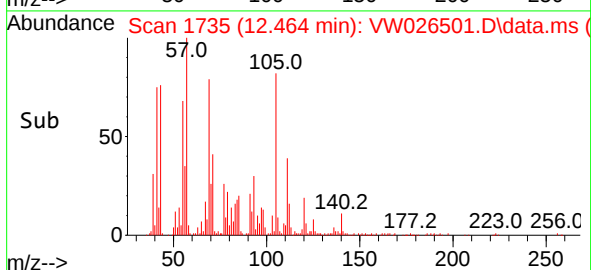
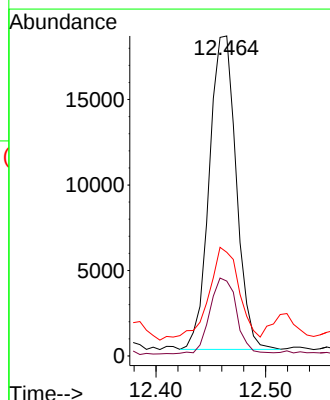
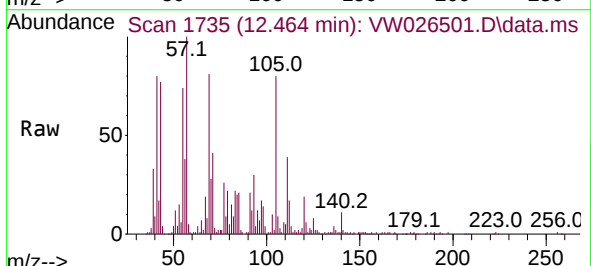
Tgt Ion:105 Resp: 31367

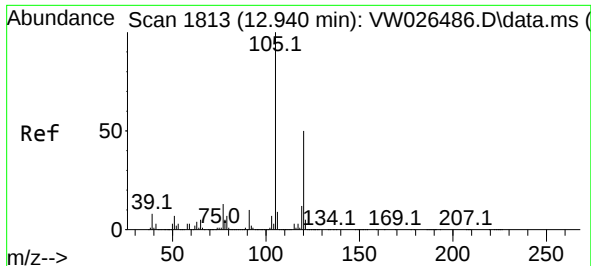
Ion Ratio Lower Upper

105 100

120 23.1 20.5 30.7

77 30.4 12.9 19.3#

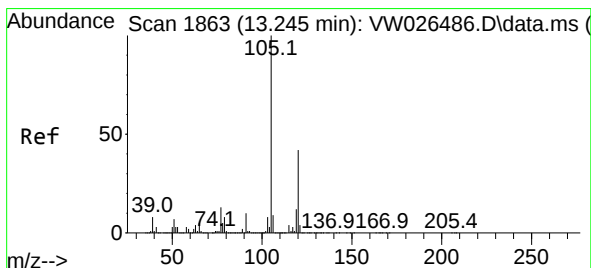
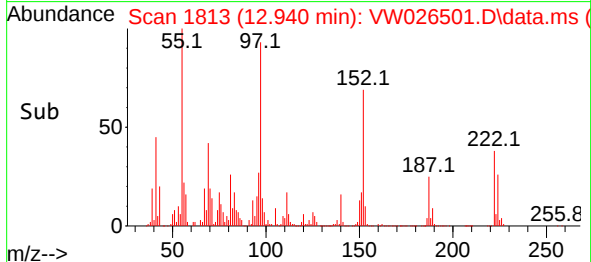
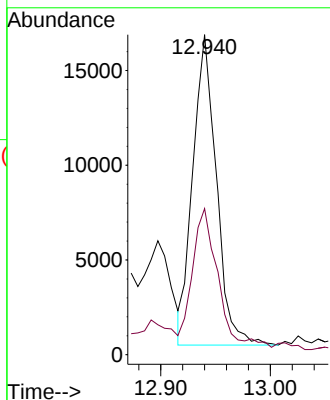
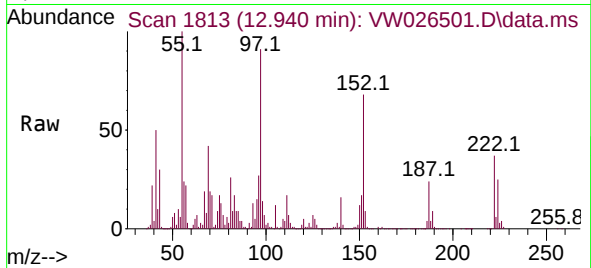




#62
1,3,5-Trimethylbenzene
Concen: 0.784 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

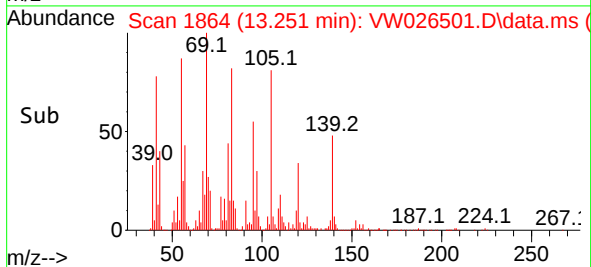
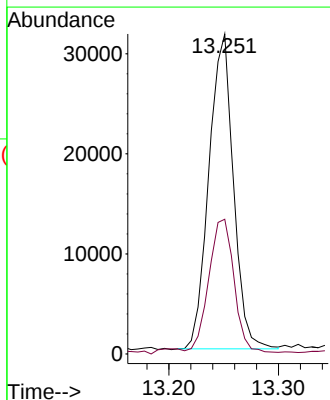
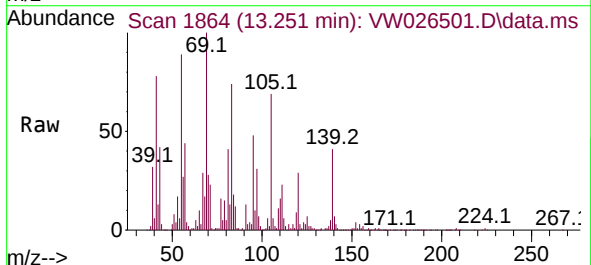
Instrument :
MSVOA_W
ClientSampleId :
A46W1

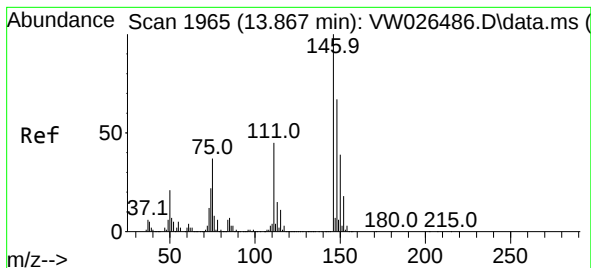
Tgt Ion:105 Resp: 24474
Ion Ratio Lower Upper
105 100
120 49.2 39.2 58.8



#63
1,2,4-Trimethylbenzene
Concen: 1.602 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW026501.D
Acq: 01 Jul 2023 03:36

Tgt Ion:105 Resp: 48888
Ion Ratio Lower Upper
105 100
120 43.3 36.0 54.0





#67

1,2-Dichlorobenzene

Concen: 2.208 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026501.D

Acq: 01 Jul 2023 03:36

Instrument :

MSVOA_W

ClientSampleId :

A46W1

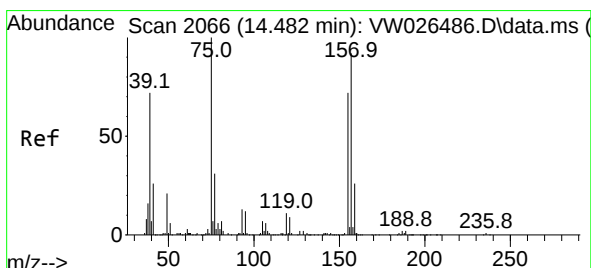
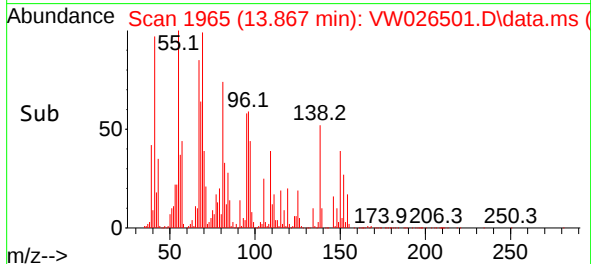
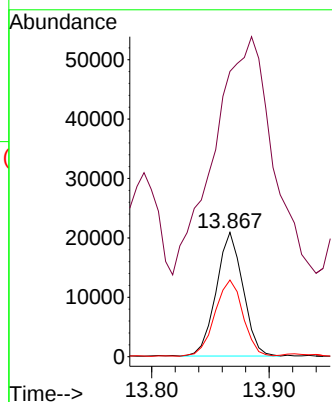
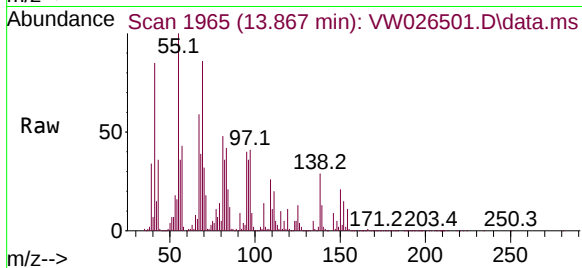
Tgt Ion:146 Resp: 32926

Ion Ratio Lower Upper

146 100

111 229.4 34.7 52.1#

148 61.6 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 1.011 ug/L

RT: 14.495 min Scan# 2068

Delta R.T. 0.012 min

Lab File: VW026501.D

Acq: 01 Jul 2023 03:36

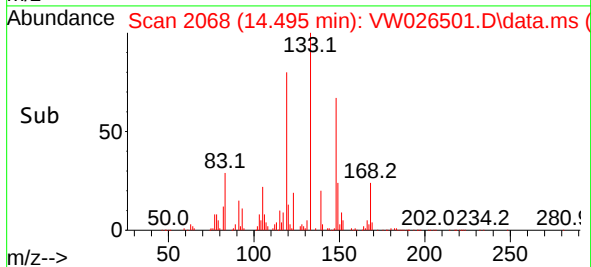
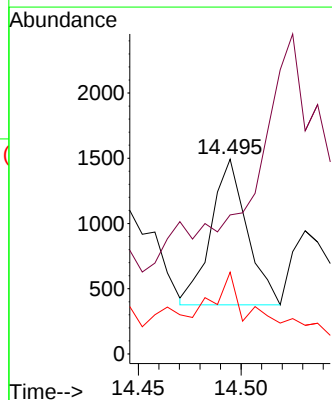
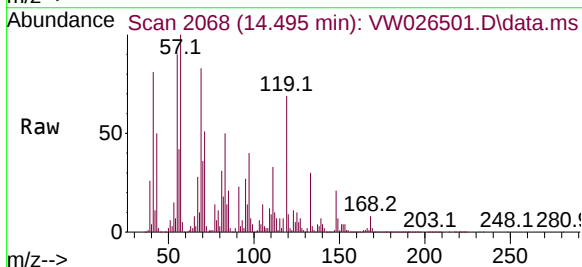
Tgt Ion: 75 Resp: 1363

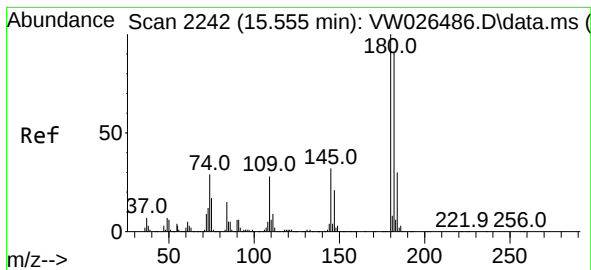
Ion Ratio Lower Upper

75 100

155 71.4 58.5 87.7

157 41.9 77.4 116.2#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.258 ug/L
 RT: 15.568 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VW026501.D
 Acq: 01 Jul 2023 03:36

Instrument :
 MSVOA_W
 ClientSampleId :
 A46W1

Tgt Ion:180 Resp: 10508
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.7 113.5
 145 0.0 27.0 40.6#

