

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050123\
 Data File : VW025775.D
 Acq On : 01 May 2023 12:51
 Operator : SY/MD
 Sample : VSTD05054
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050454

Quant Time: May 02 01:07:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 02 01:04:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	692251	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	625958	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	308849	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	481980	49.133	ug/L	0.00
7) Chloroethane-d5	2.899	69	351722	48.363	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.021	65	232988	47.432	ug/L	0.00
21) 2-Butanone-d5	7.075	46	291098	89.763	ug/L	0.00
24) Chloroform-d	7.648	84	915165	45.847	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	497812	44.103	ug/L	0.00
32) Benzene-d6	8.276	84	1877540	45.904	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	593072	45.319	ug/L	0.00
41) Toluene-d8	10.325	98	1708277	46.837	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	242015	45.623	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	210275	94.230	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	436780	43.790	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.854	152	512735	45.541	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	351397	46.366	ug/L	96
3) Chloromethane	2.228	50	548219	48.076	ug/L	99
5) Vinyl chloride	2.375	62	556913	47.184	ug/L	98
6) Bromomethane	2.789	94	296155	46.133	ug/L	97
8) Chloroethane	2.930	64	314814	46.907	ug/L	100
9) Trichlorofluoromethane	3.265	101	431678	48.462	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	453626	46.826	ug/L	98
12) 1,1-Dichloroethene	4.045	96	431138	46.568	ug/L	90
13) Acetone	4.118	43	234868	81.678	ug/L	98
14) Carbon disulfide	4.393	76	1436839	45.892	ug/L	100
15) Methyl Acetate	4.667	43	251856	44.445	ug/L	99
16) Methylene chloride	4.923	84	512183	35.876	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	467225	46.260	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	711459	46.412	ug/L	99
19) 1,1-Dichloroethane	6.222	63	953816	45.965	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	508005	46.883	ug/L	97
22) 2-Butanone	7.167	43	355310	89.486	ug/L	99
23) Bromochloromethane	7.514	128	206131	44.904	ug/L	96
25) Chloroform	7.679	83	878253	46.049	ug/L	99
27) 1,2-Dichloroethane	8.398	62	608915	44.956	ug/L	100
29) Cyclohexane	7.959	56	936220	48.264	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	698287	45.614	ug/L	100
31) Carbon tetrachloride	8.069	117	634707	46.071	ug/L	99
33) Benzene	8.325	78	1983864	45.809	ug/L	100
34) Trichloroethene	9.087	95	503275	45.288	ug/L	96
35) Methylcyclohexane	9.337	83	936446	47.379	ug/L	99
37) 1,2-Dichloropropane	9.367	63	537945	45.339	ug/L	99
38) Bromodichloromethane	9.642	83	630252	46.300	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	834860	47.981	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	724569	93.819	ug/L	100
42) Toluene	10.386	91	2077509	46.949	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	697580	48.384	ug/L	100

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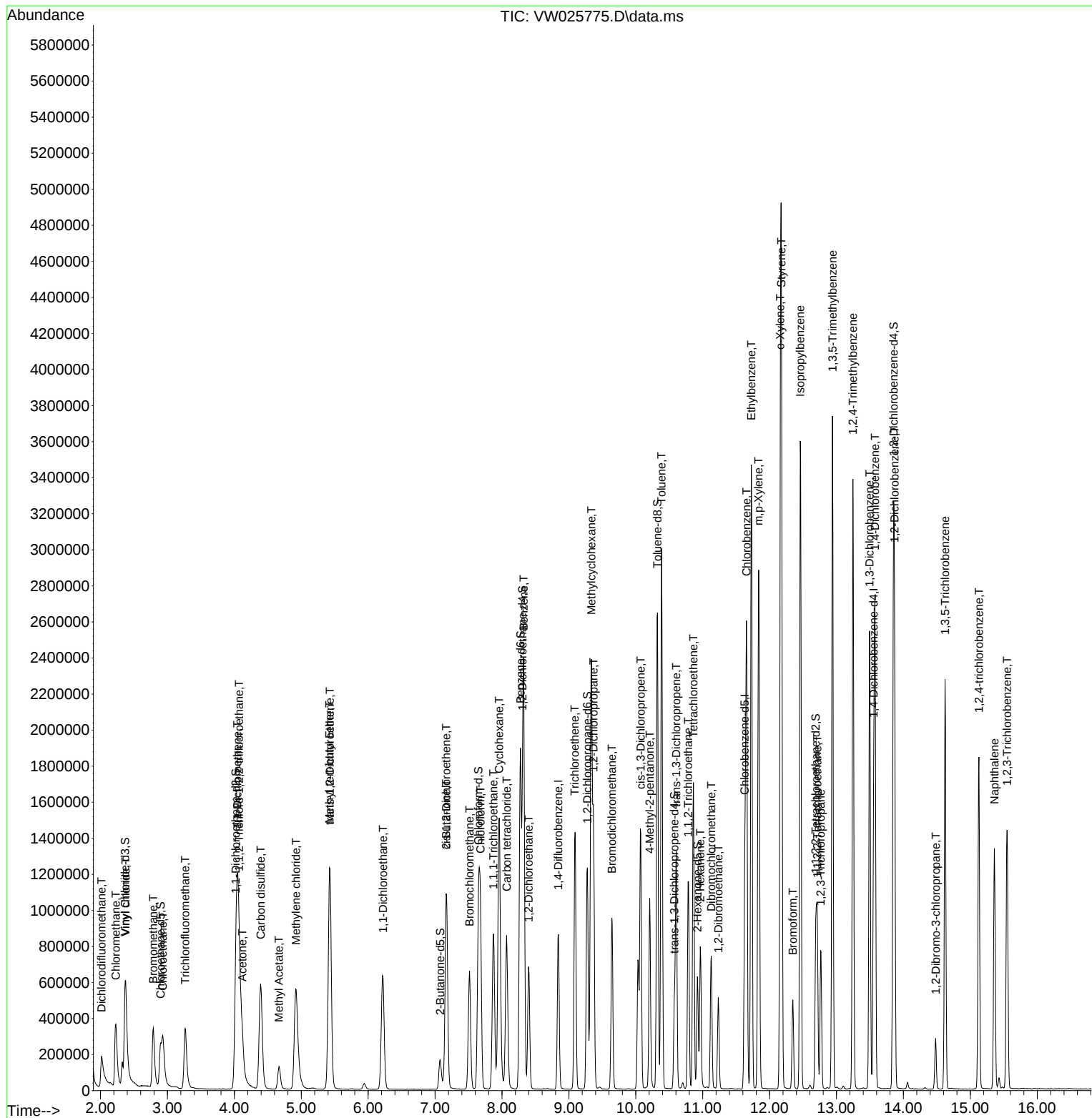
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.782	97	356990	44.978	ug/L	96
46) Tetrachloroethene	10.861	164	356414	45.588	ug/L	96
48) 2-Hexanone	10.965	43	520968	92.593	ug/L	99
49) Dibromochloromethane	11.129	129	379036	46.128	ug/L	95
50) 1,2-Dibromoethane	11.233	107	333053	45.519	ug/L	95
51) Chlorobenzene	11.654	112	1254193	45.752	ug/L	100
52) Ethylbenzene	11.727	91	2346415	47.139	ug/L	99
53) m,p-Xylene	11.837	106	871281	47.559	ug/L	93
54) o-Xylene	12.160	106	830823	48.115	ug/L	98
55) Styrene	12.178	104	1415118	47.881	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	439706	44.400	ug/L	99
59) Bromoform	12.349	173	215723	47.156	ug/L	100
60) Isopropylbenzene	12.458	105	2300302	48.998	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	327617	44.884	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1881046	50.588	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	1739277	50.688	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	940150	46.520	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	932958	45.694	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	835373	46.349	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	72580	42.881	ug/L	88
69) 1,3,5-Trichlorobenzene	14.623	180	619321	46.166	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	520002	46.269	ug/L	97
71) Naphthalene	15.360	128	1068696	50.381	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	448238	44.950	ug/L	97

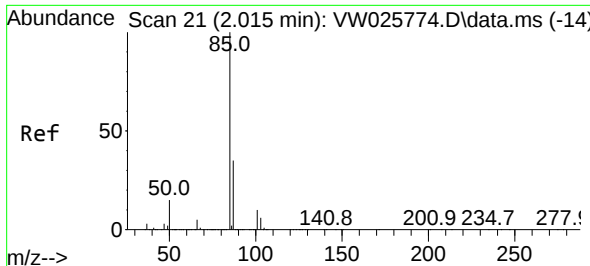
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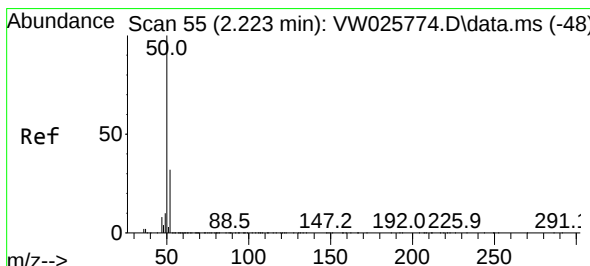
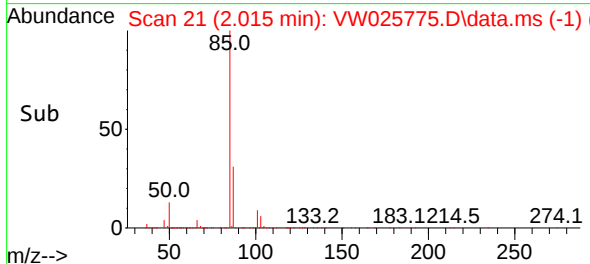
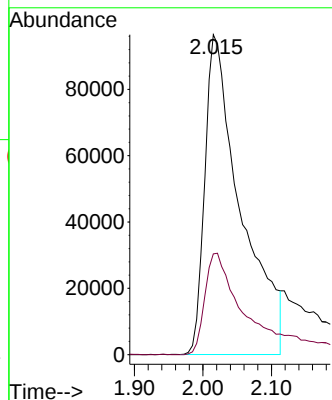
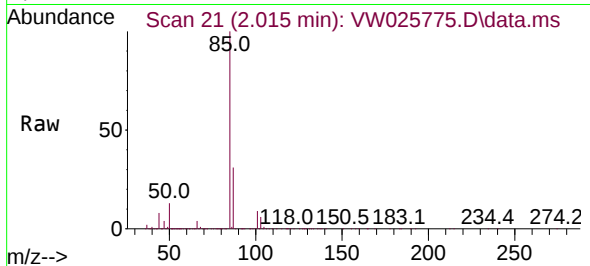




#2
Dichlorodifluoromethane
Concen: 46.366 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

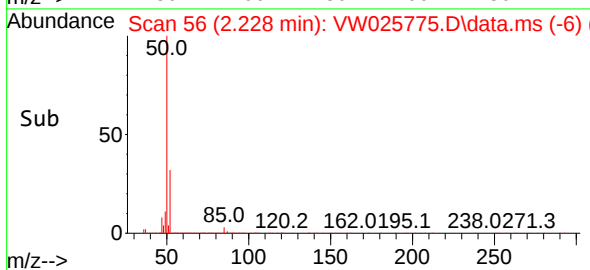
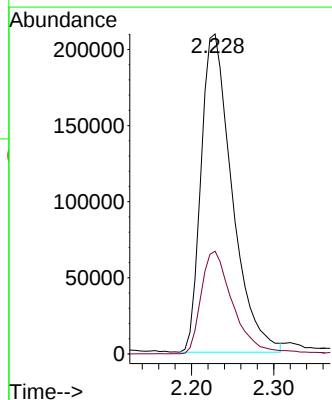
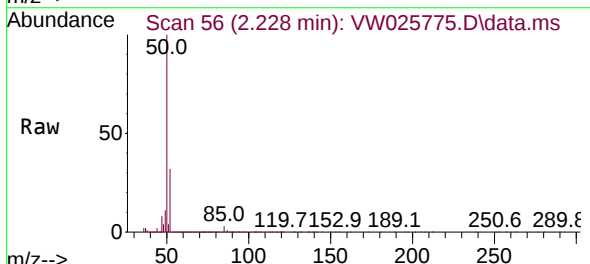
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

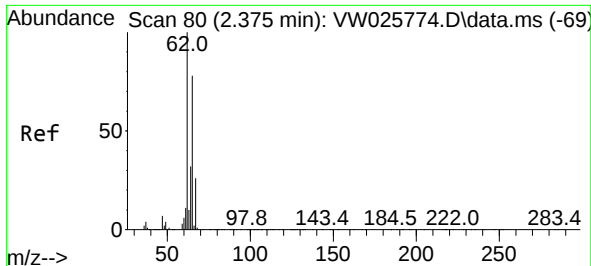
Tgt Ion: 85 Resp: 351397
Ion Ratio Lower Upper
85 100
87 32.9 24.7 37.1



#3
Chloromethane
Concen: 48.076 ug/L
RT: 2.228 min Scan# 56
Delta R.T. 0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 50 Resp: 548219
Ion Ratio Lower Upper
50 100
52 32.1 22.1 41.1

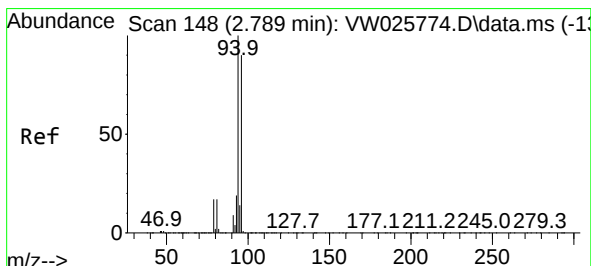
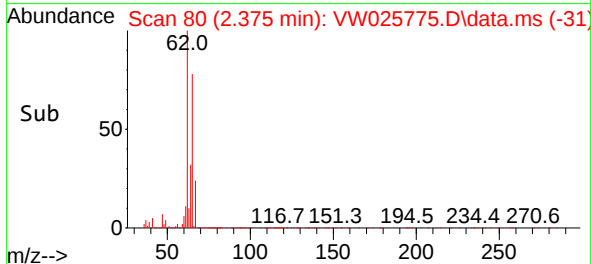
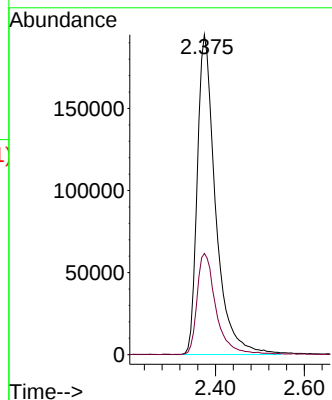
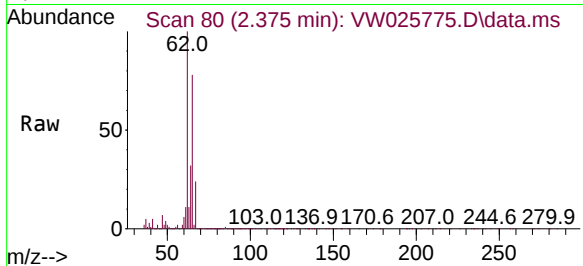




#5
 Vinyl chloride
 Concen: 47.184 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025775.D
 Acq: 01 May 2023 12:51

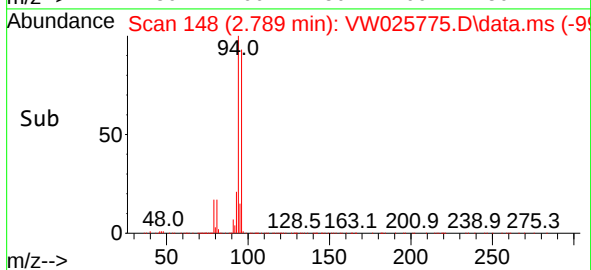
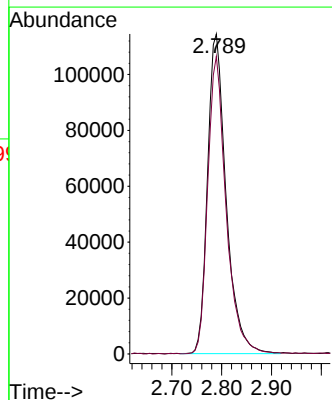
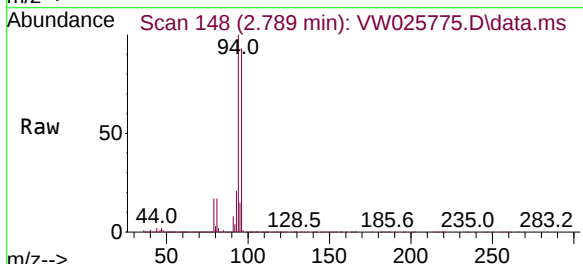
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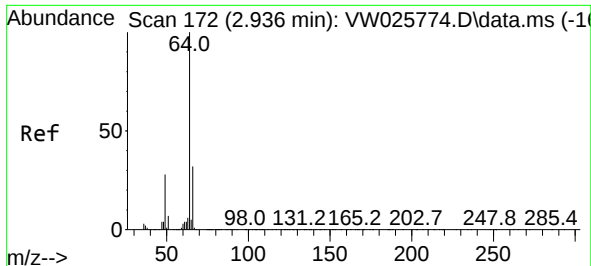
Tgt Ion: 62 Resp: 556913
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.7 42.3



#6
 Bromomethane
 Concen: 46.133 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW025775.D
 Acq: 01 May 2023 12:51

Tgt Ion: 94 Resp: 296155
 Ion Ratio Lower Upper
 94 100
 96 93.0 63.1 117.1

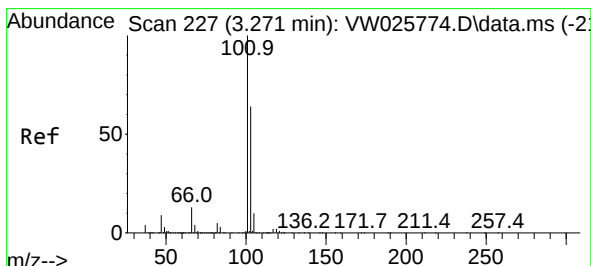
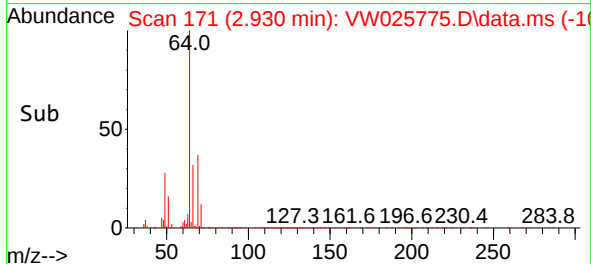
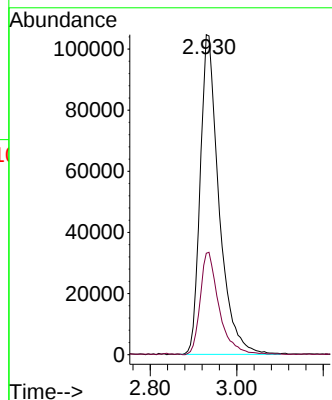
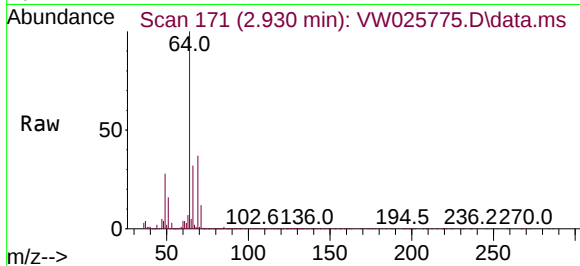




#8
Chloroethane
Concen: 46.907 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

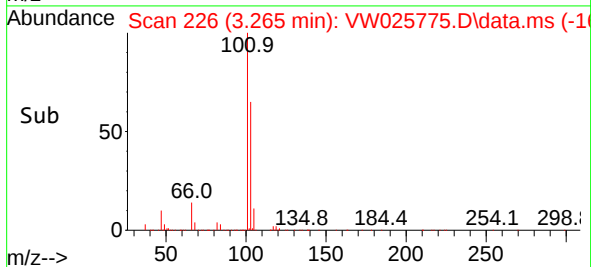
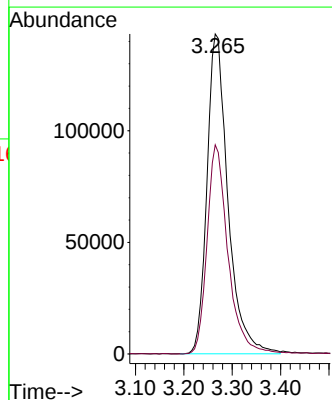
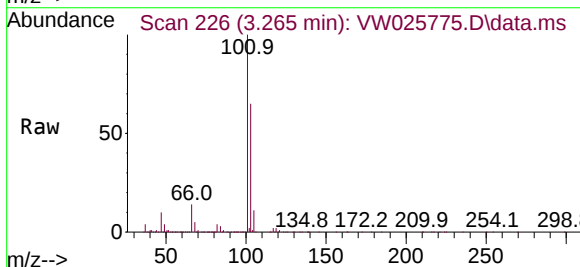
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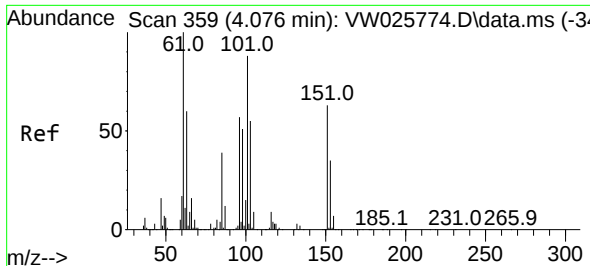
Tgt Ion: 64 Resp: 314814
Ion Ratio Lower Upper
64 100
66 31.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 48.462 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 101 Resp: 431678
Ion Ratio Lower Upper
101 100
103 65.3 50.6 76.0

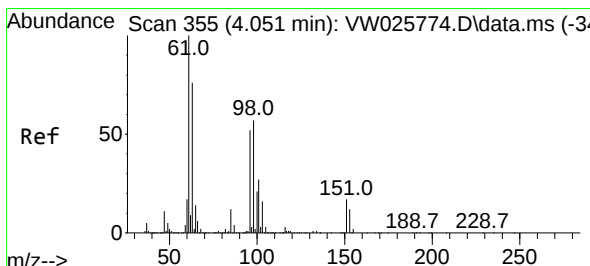
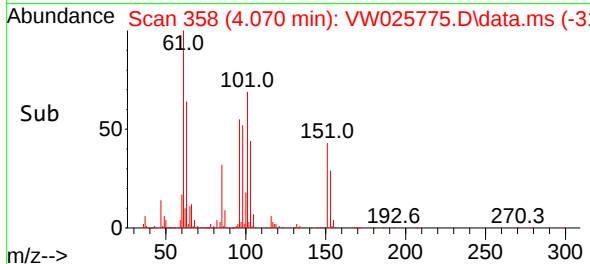
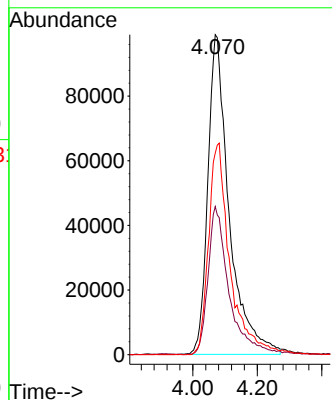
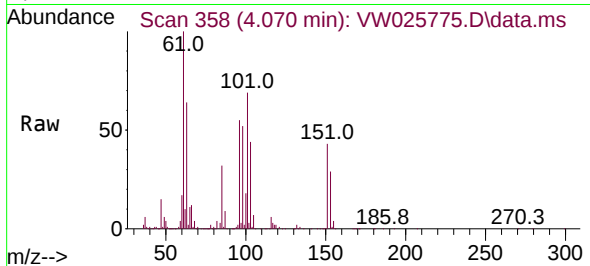




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 46.826 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW025775.D
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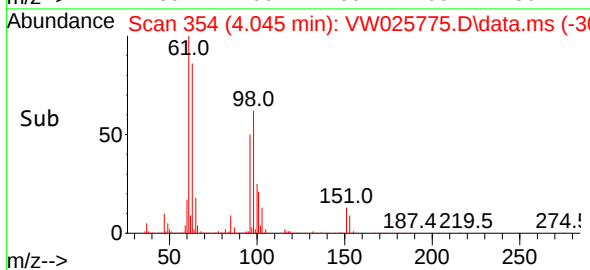
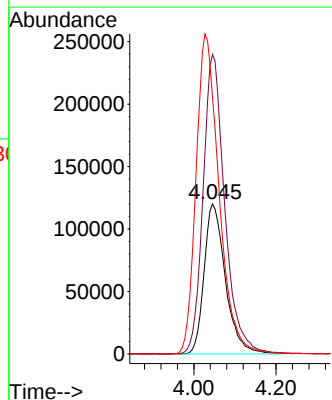
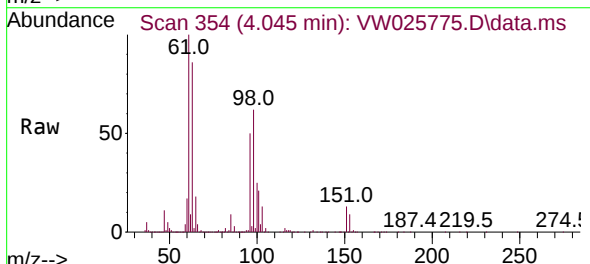
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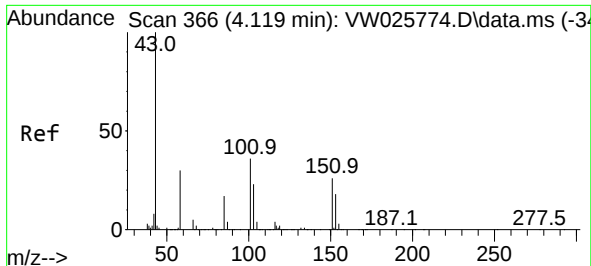
Tgt Ion:101 Resp: 453626
 Ion Ratio Lower Upper
 101 100
 85 44.1 33.9 50.9
 151 66.2 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 46.568 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.006 min
 Lab File: VW025775.D
 Acq: 01 May 2023 12:51

Tgt Ion: 96 Resp: 431138
 Ion Ratio Lower Upper
 96 100
 61 199.5 135.0 250.8
 63 170.9 104.9 194.7

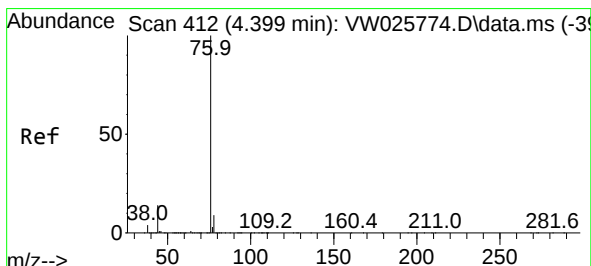
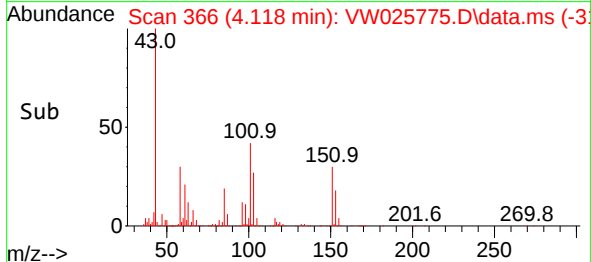
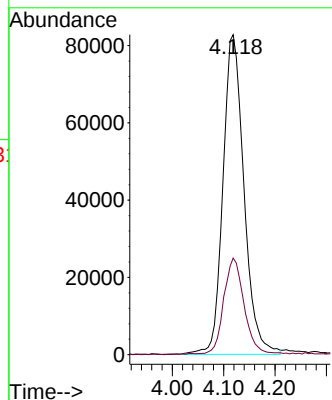
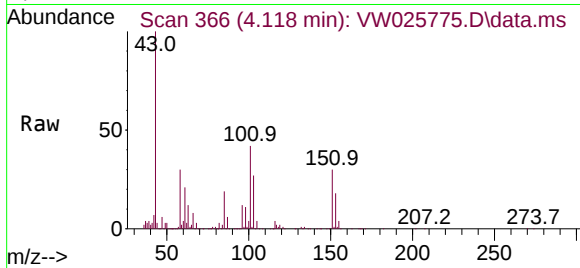




#13
Acetone
Concen: 81.678 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW025775.D
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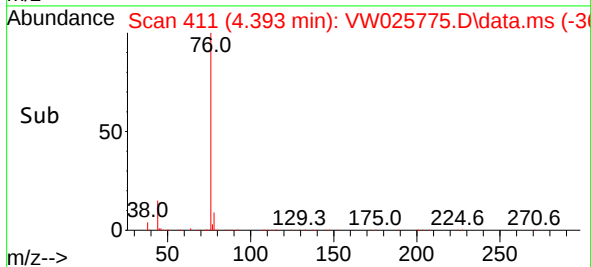
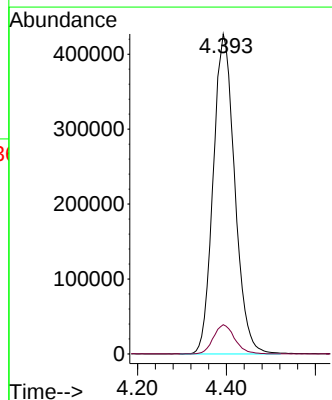
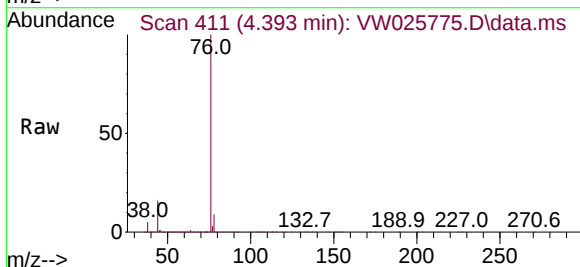
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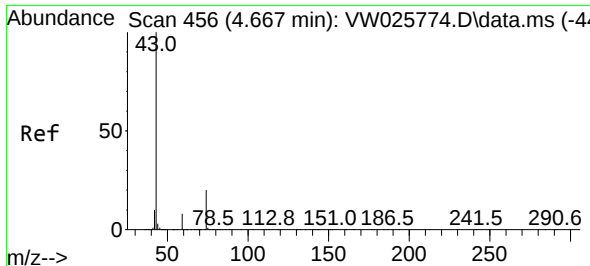
Tgt Ion: 43 Resp: 234868
Ion Ratio Lower Upper
43 100
58 28.3 0.0 58.2



#14
Carbon disulfide
Concen: 45.892 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 1436839
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

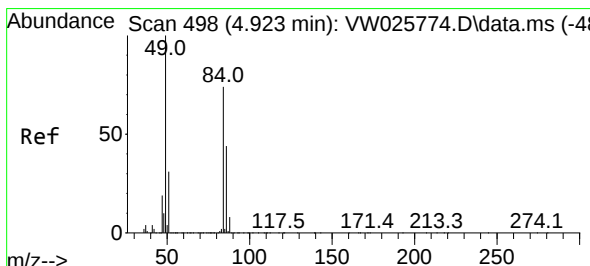
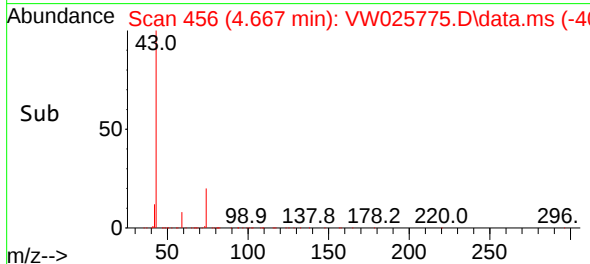
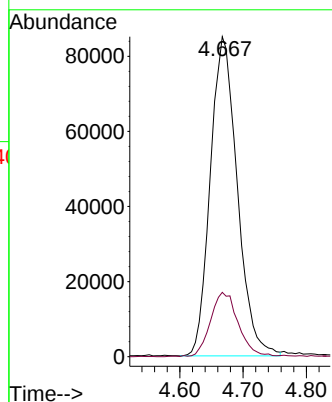
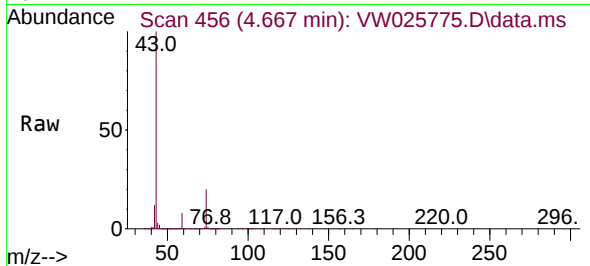




#15
Methyl Acetate
Concen: 44.445 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

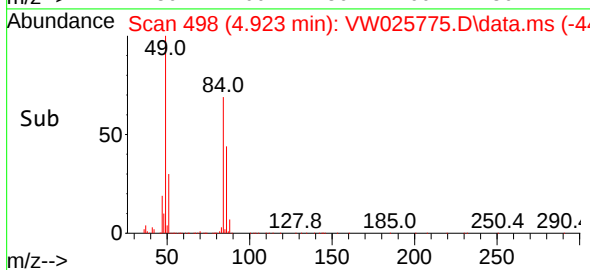
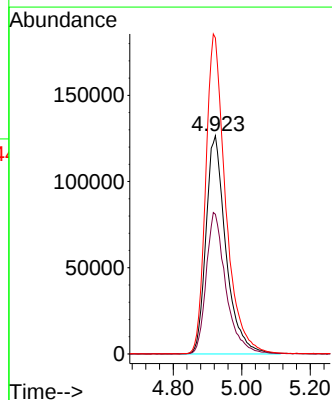
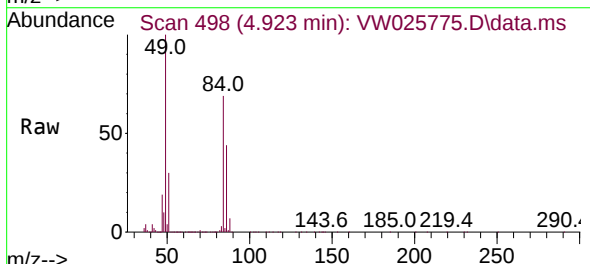
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

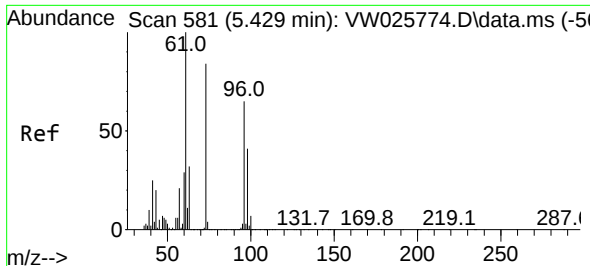
Tgt Ion: 43 Resp: 251856
Ion Ratio Lower Upper
43 100
74 20.3 16.5 24.7



#16
Methylene chloride
Concen: 35.876 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 84 Resp: 512183
Ion Ratio Lower Upper
84 100
86 64.0 41.7 77.5
49 144.8 95.3 177.1

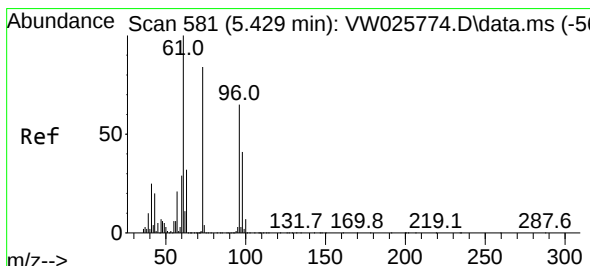
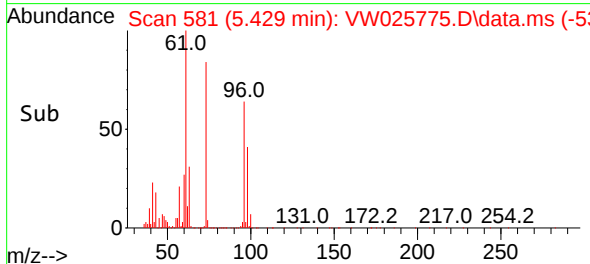
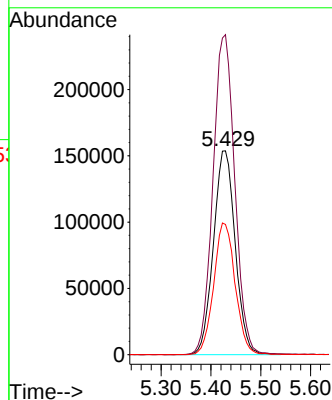
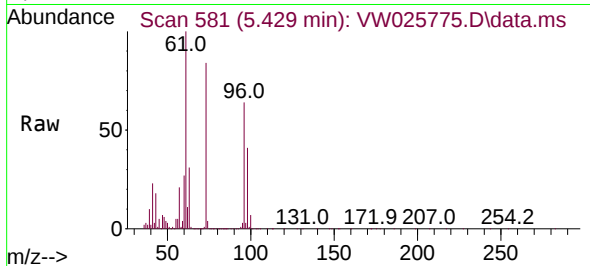




#17
trans-1,2-Dichloroethene
Concen: 46.260 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

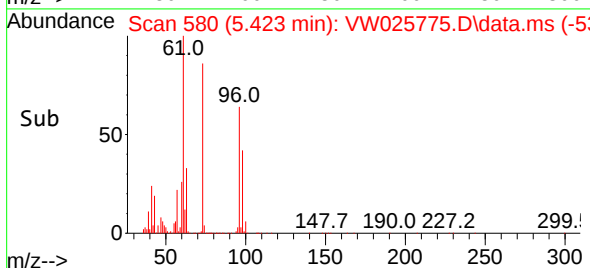
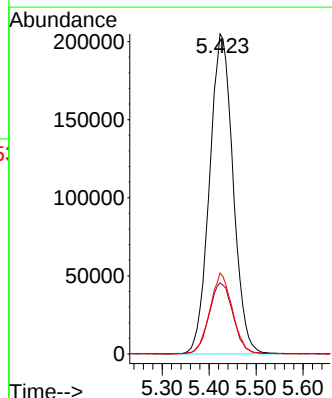
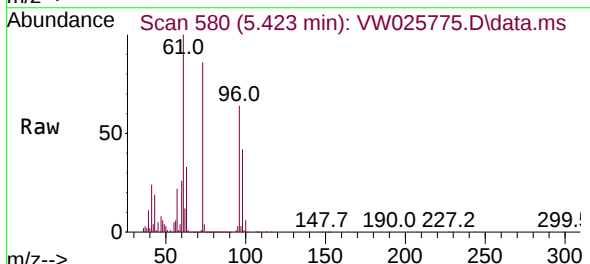
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

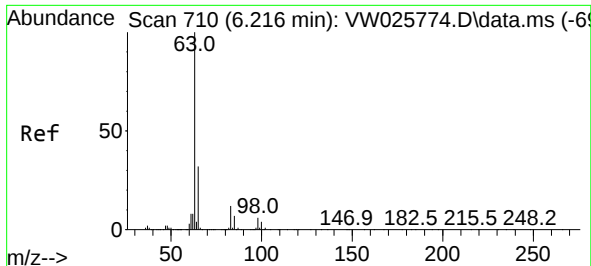
Tgt Ion: 96 Resp: 467225
Ion Ratio Lower Upper
96 100
61 157.0 108.1 200.9
98 63.9 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 46.412 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 73 Resp: 711459
Ion Ratio Lower Upper
73 100
43 22.4 18.2 27.4
57 24.2 19.2 28.8





#19

1,1-Dichloroethane

Concen: 45.965 ug/L

RT: 6.222 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

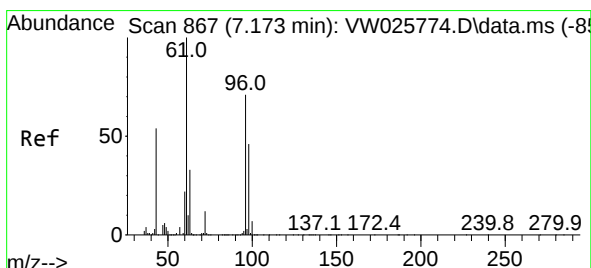
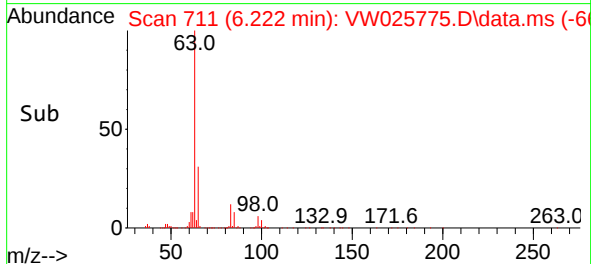
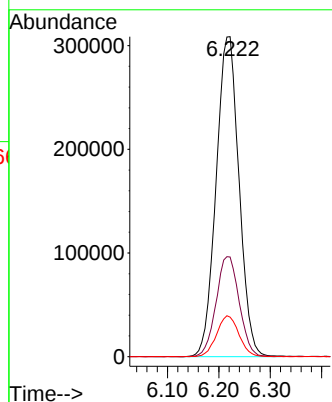
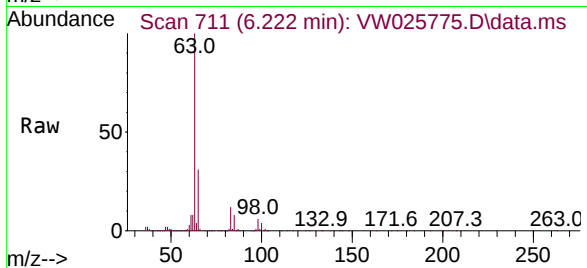
Tgt Ion: 63 Resp: 953816

Ion Ratio Lower Upper

63 100

65 31.2 22.4 41.6

83 12.4 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 46.883 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

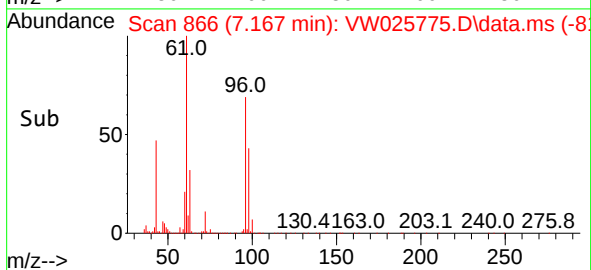
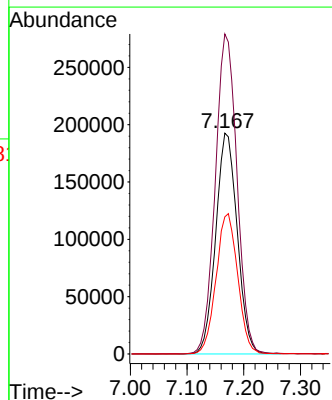
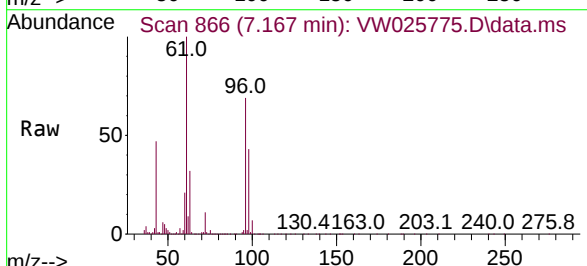
Tgt Ion: 96 Resp: 508005

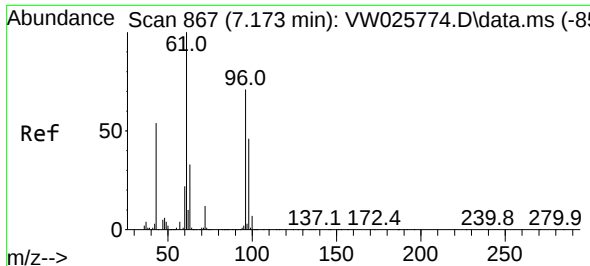
Ion Ratio Lower Upper

96 100

61 145.0 98.6 183.0

98 62.1 45.2 84.0

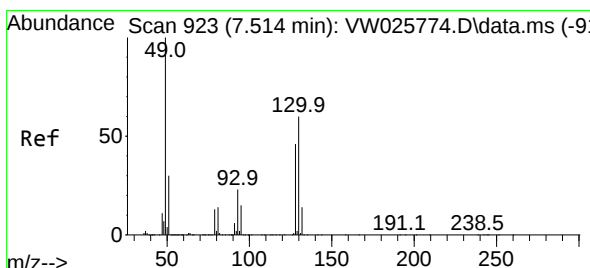
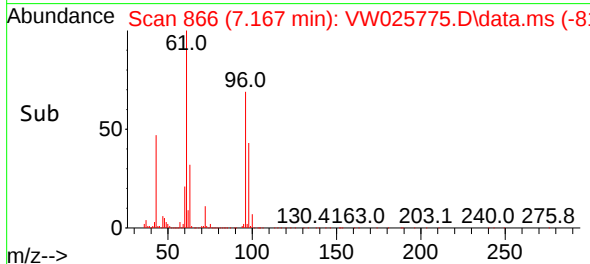
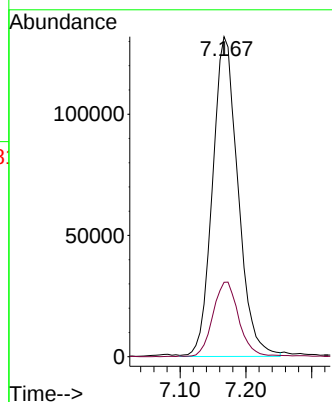
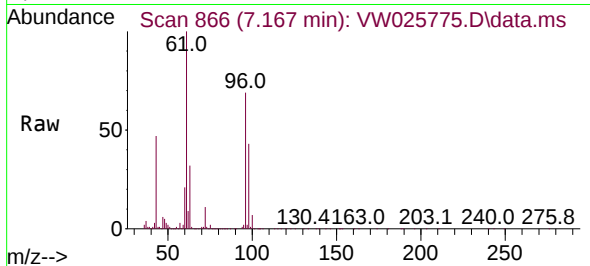




#22
2-Butanone
Concen: 89.486 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

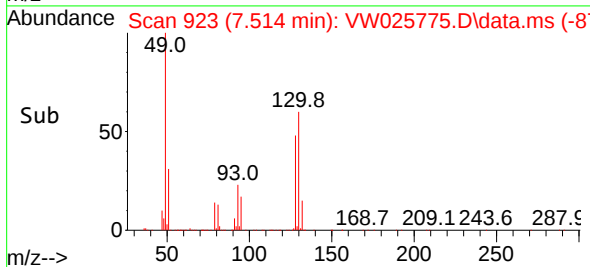
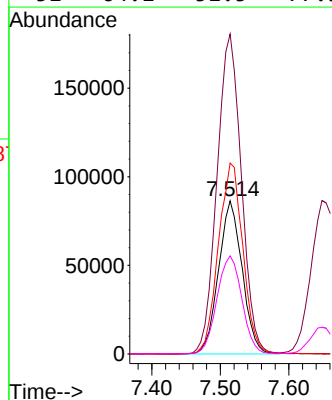
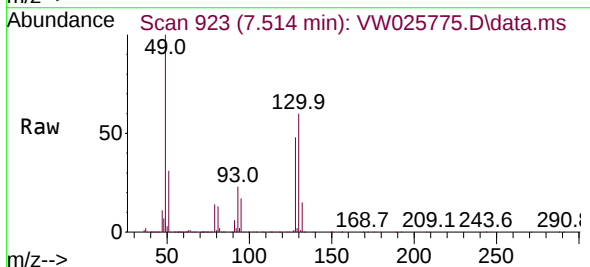
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

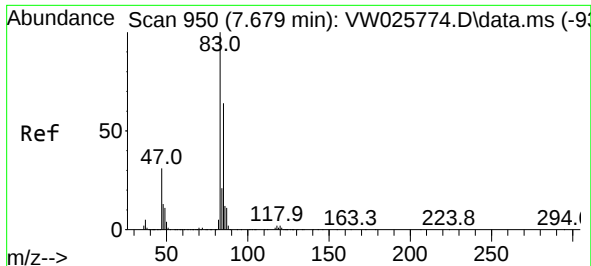
Tgt Ion: 43 Resp: 355310
Ion Ratio Lower Upper
43 100
72 23.3 11.8 35.4



#23
Bromochloromethane
Concen: 44.904 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 128 Resp: 206131
Ion Ratio Lower Upper
128 100
49 209.0 151.5 281.5
130 124.7 91.3 169.6
51 64.1 51.5 77.3

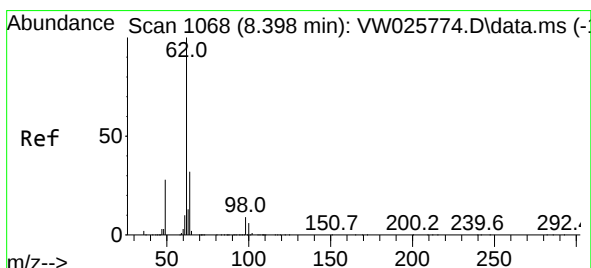
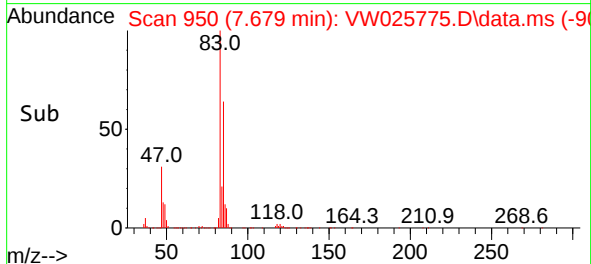
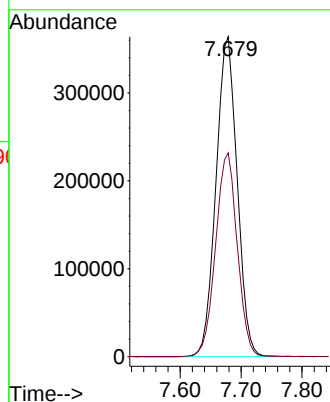
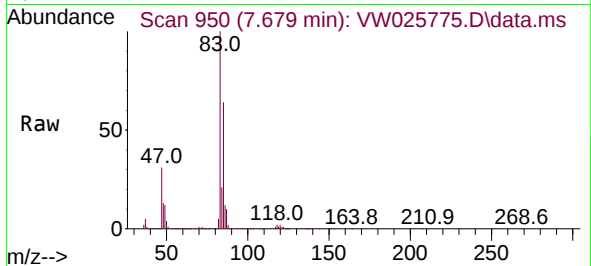




#25
Chloroform
Concen: 46.049 ug/L
RT: 7.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

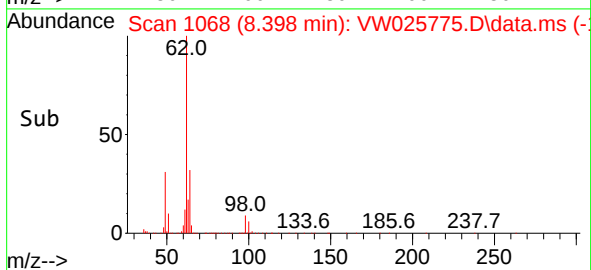
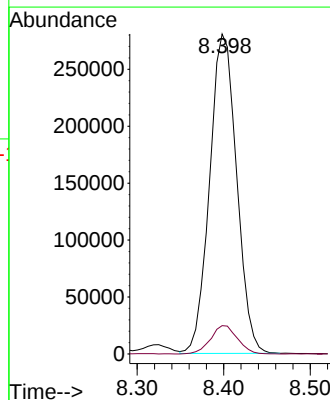
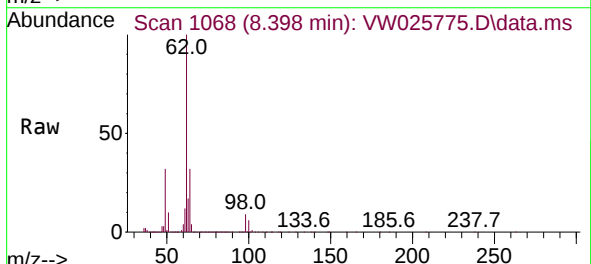
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

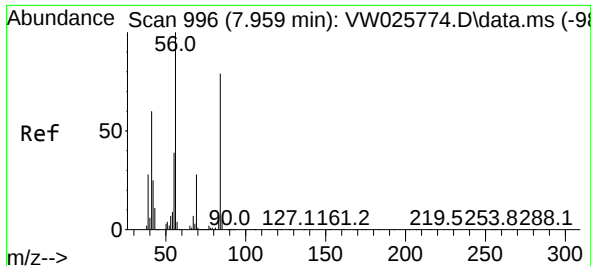
Tgt Ion: 83 Resp: 878253
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 44.956 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 62 Resp: 608915
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

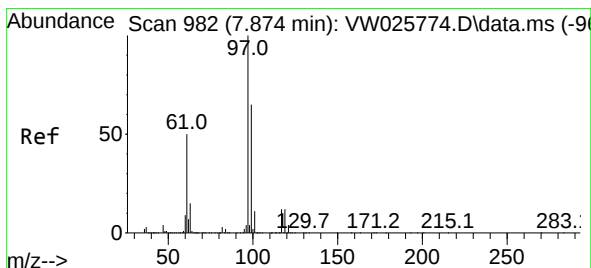
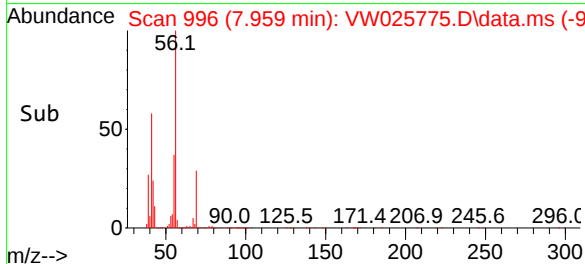
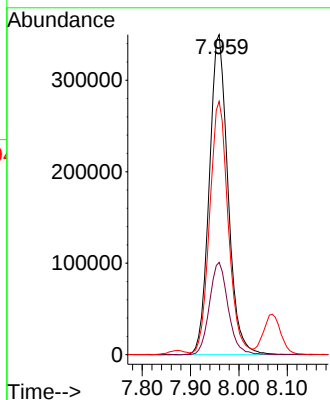
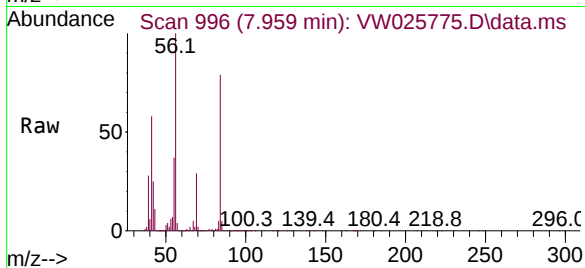




#29
Cyclohexane
Concen: 48.264 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

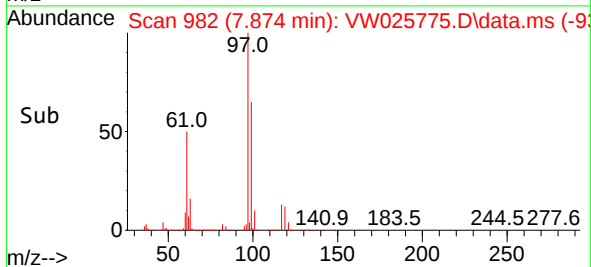
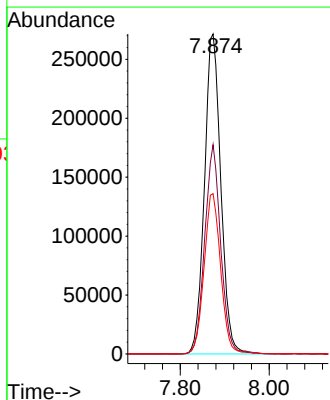
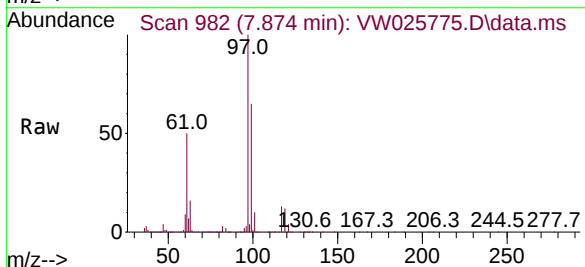
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

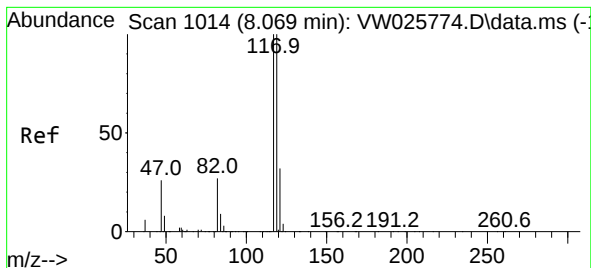
Tgt Ion: 56 Resp: 936220
Ion Ratio Lower Upper
56 100
69 28.9 23.4 35.0
84 78.7 63.3 94.9



#30
1,1,1-Trichloroethane
Concen: 45.614 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 97 Resp: 698287
Ion Ratio Lower Upper
97 100
99 63.6 51.1 76.7
61 50.3 40.4 60.6





#31

Carbon tetrachloride

Concen: 46.071 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

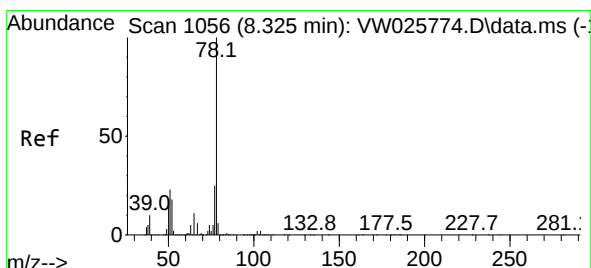
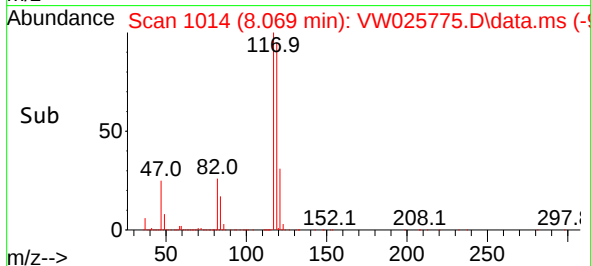
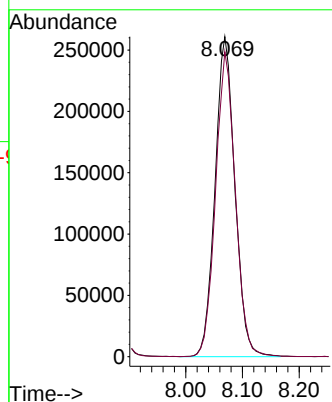
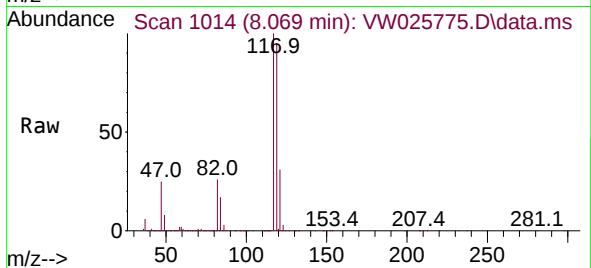
VSTD050454

Tgt Ion:117 Resp: 634707

Ion Ratio Lower Upper

117 100

119 95.0 76.9 115.3



#33

Benzene

Concen: 45.809 ug/L

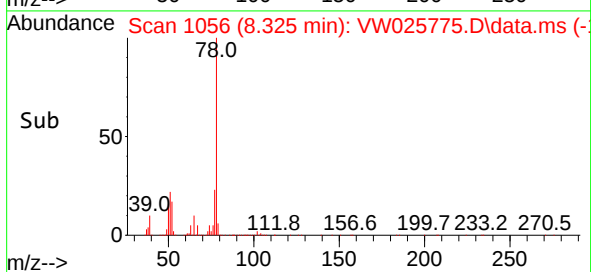
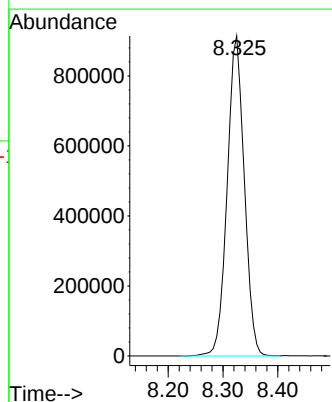
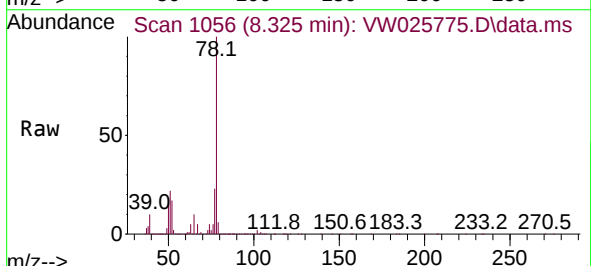
RT: 8.325 min Scan# 1056

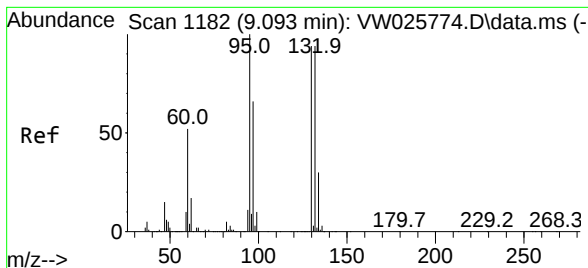
Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Tgt Ion: 78 Resp: 1983864





#34

Trichloroethene

Concen: 45.288 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

Tgt Ion: 95 Resp: 503275

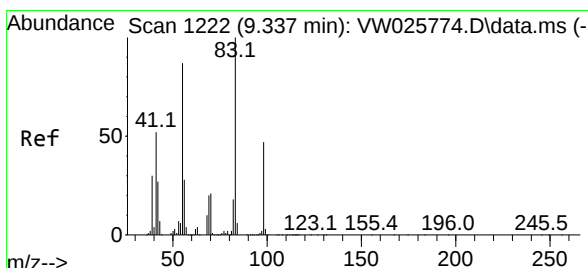
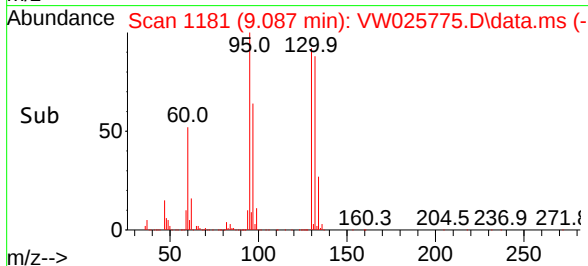
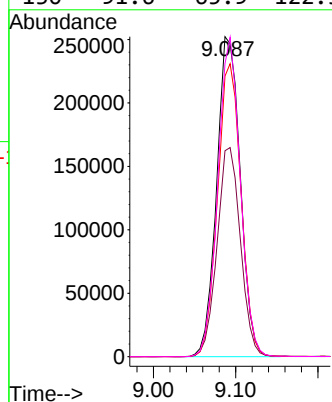
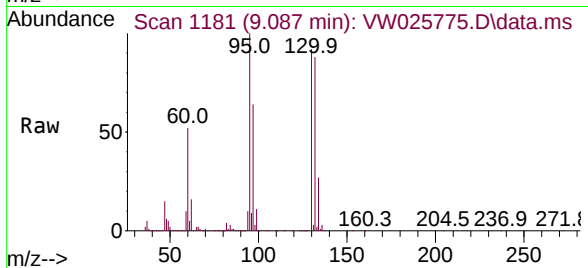
Ion Ratio Lower Upper

95 100

97 64.3 45.9 85.3

132 87.7 66.0 122.6

130 91.6 65.9 122.3



#35

Methylcyclohexane

Concen: 47.379 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

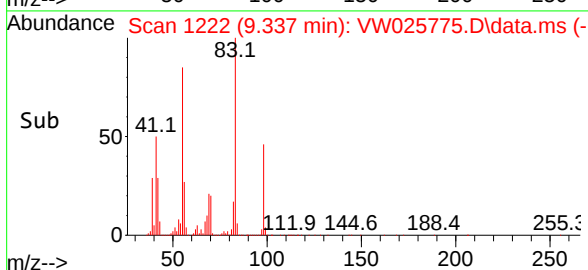
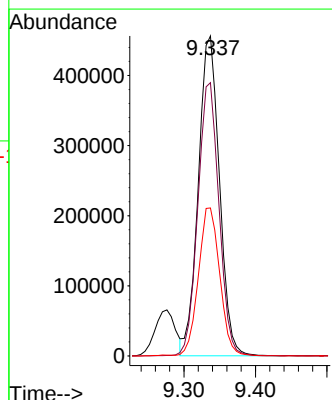
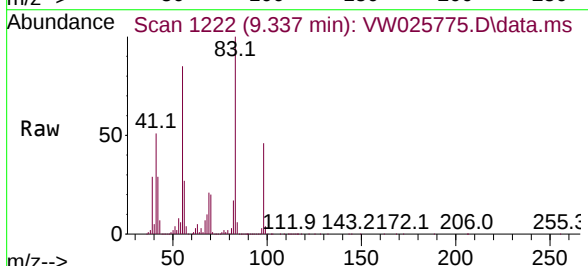
Tgt Ion: 83 Resp: 936446

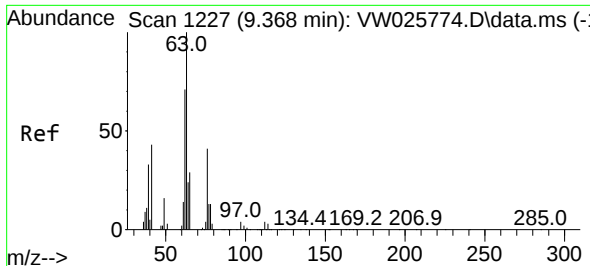
Ion Ratio Lower Upper

83 100

55 85.5 69.0 103.4

98 46.8 37.1 55.7





#37

1,2-Dichloropropane

Concen: 45.339 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

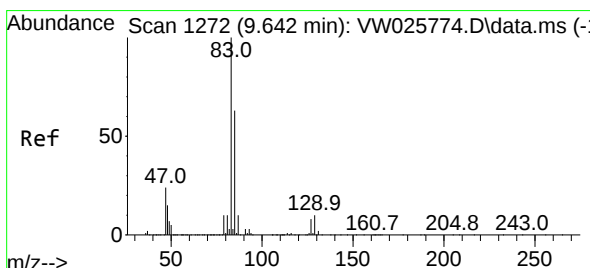
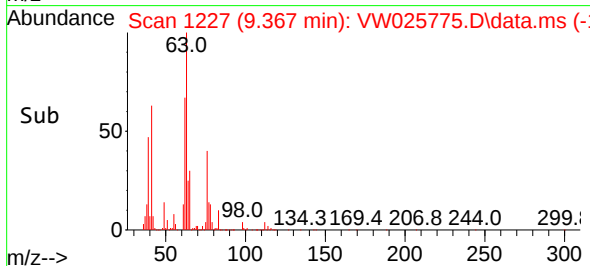
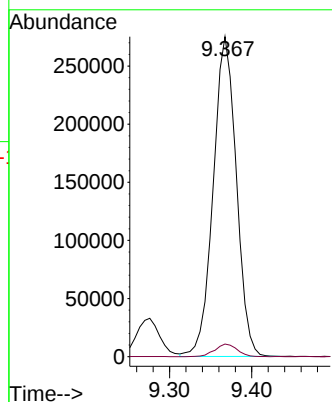
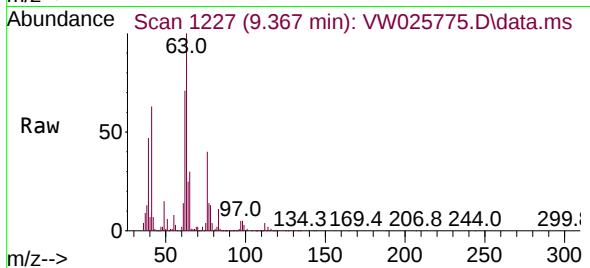
VSTD050454

Tgt Ion: 63 Resp: 537945

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 46.300 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

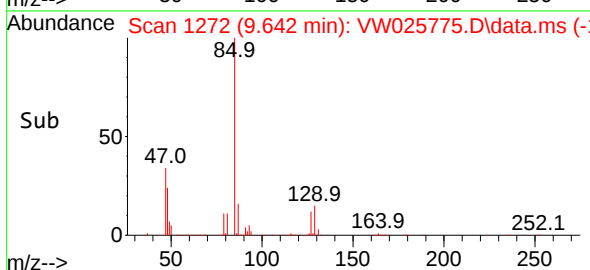
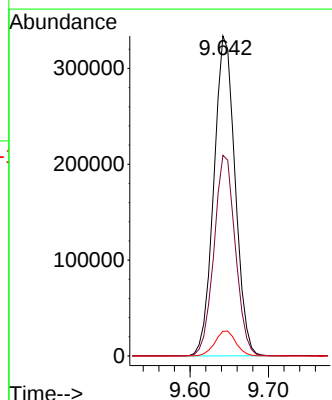
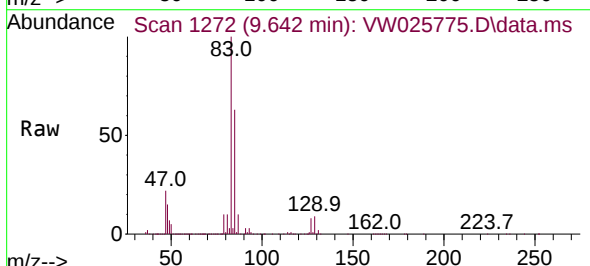
Tgt Ion: 83 Resp: 630252

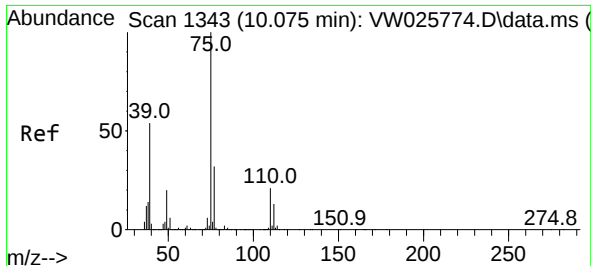
Ion Ratio Lower Upper

83 100

85 62.7 44.4 82.5

127 7.7 6.5 9.7

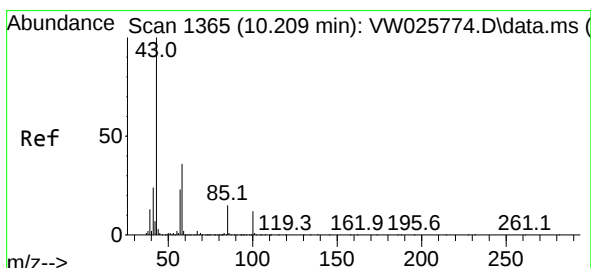
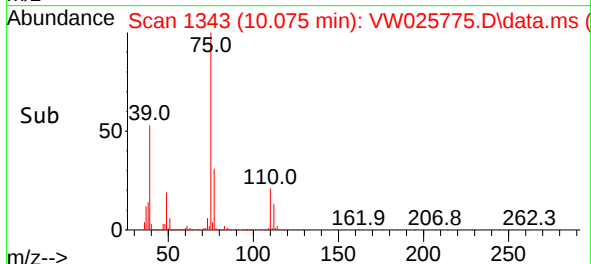
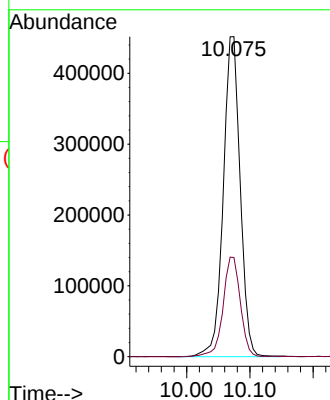
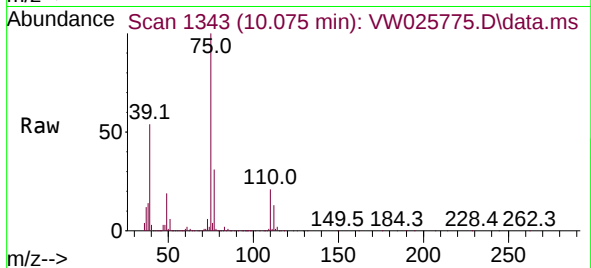




#39
 cis-1,3-Dichloropropene
 Concen: 47.981 ug/L
 RT: 10.075 min Scan# 1343
 Delta R.T. -0.000 min
 Lab File: VW025775.D
 Acq: 01 May 2023 12:51

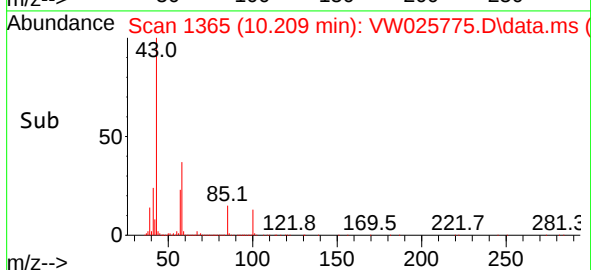
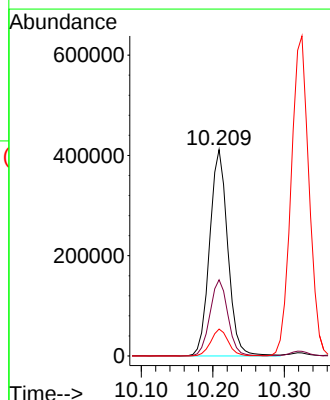
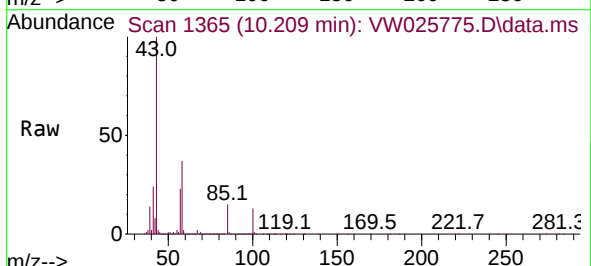
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050454

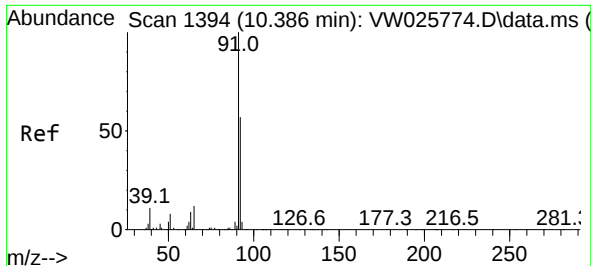
Tgt Ion: 75 Resp: 834860
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 93.819 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW025775.D
 Acq: 01 May 2023 12:51

Tgt Ion: 43 Resp: 724569
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.4 44.0
 100 12.5 10.1 15.1

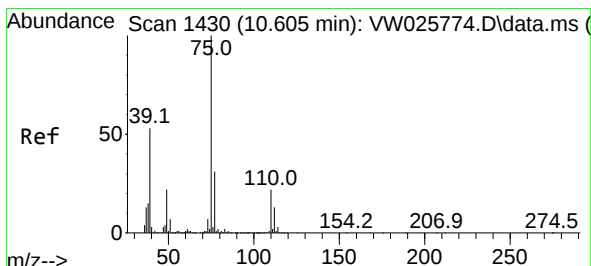
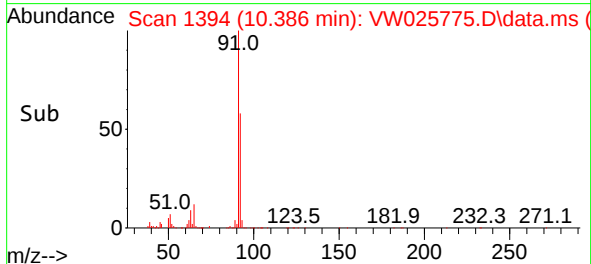
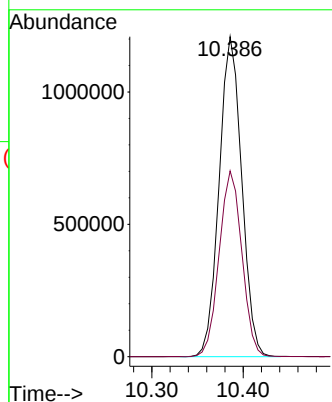
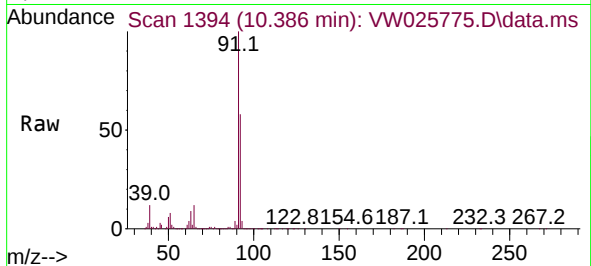




#42
Toluene
Concen: 46.949 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

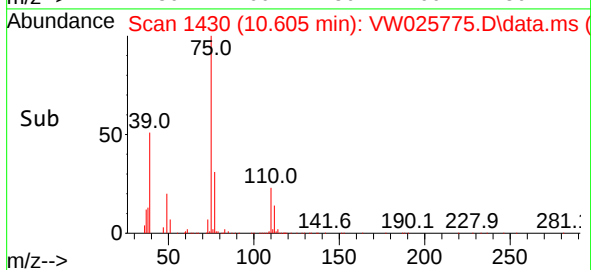
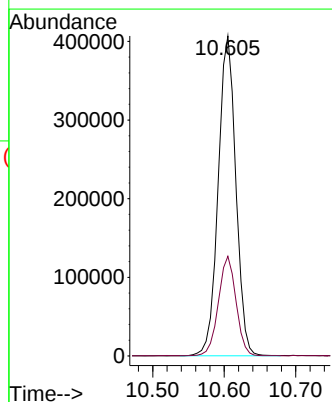
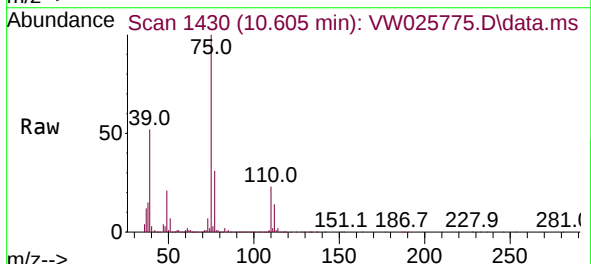
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

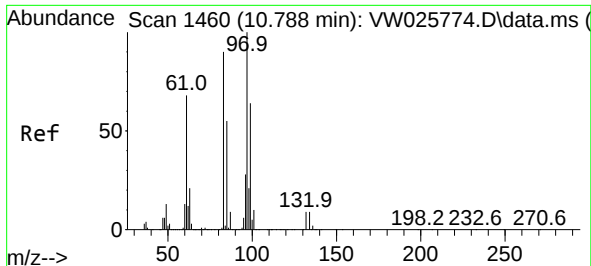
Tgt Ion: 91 Resp: 2077509
Ion Ratio Lower Upper
91 100
92 58.1 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 48.384 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 75 Resp: 697580
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.4

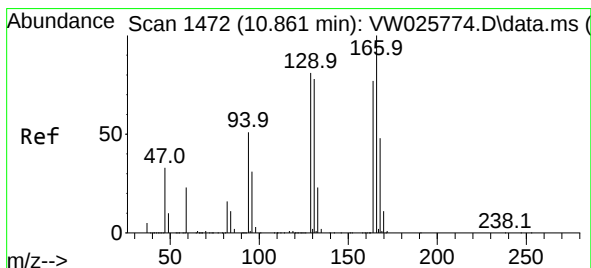
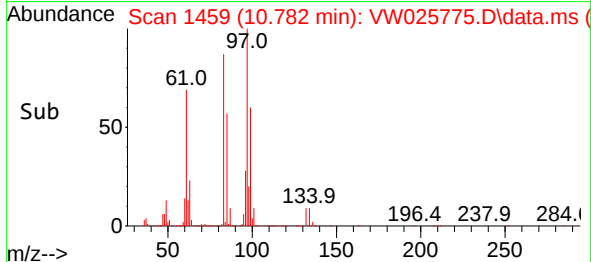
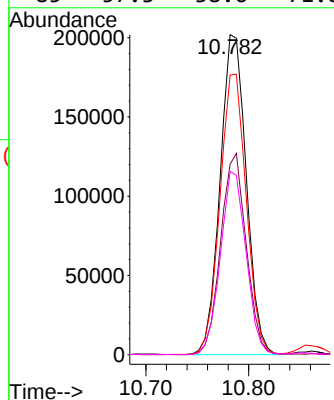
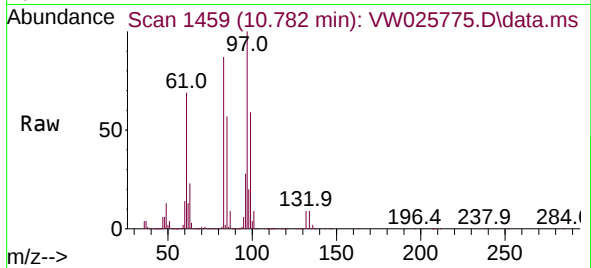




#45
1,1,2-Trichloroethane
Concen: 44.978 ug/L
RT: 10.782 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

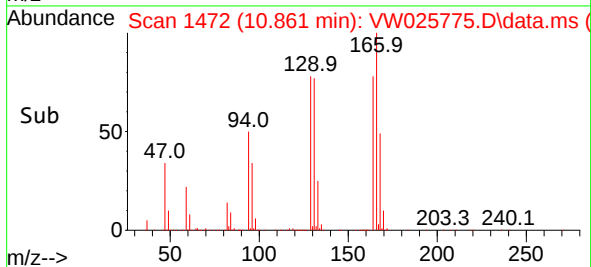
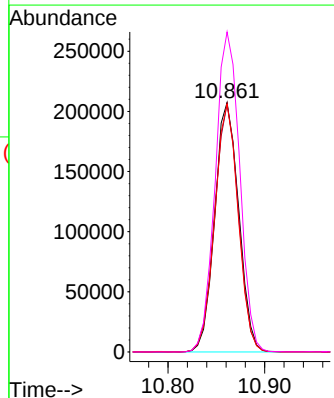
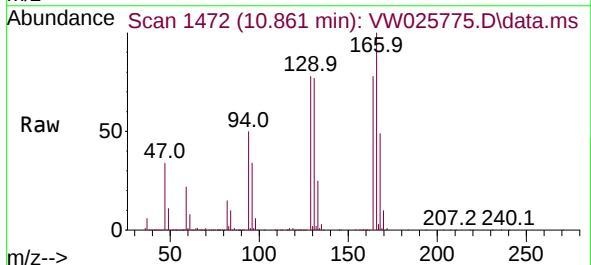
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

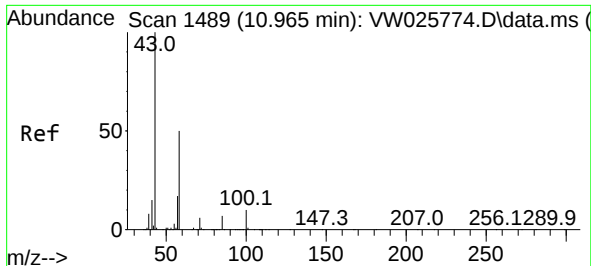
Tgt Ion:	97	Resp:	356990
Ion	Ratio	Lower	Upper
97	100		
99	59.5	44.5	82.7
83	87.4	63.0	117.0
85	57.3	38.6	71.8



#46
Tetrachloroethene
Concen: 45.588 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion:	164	Resp:	356414
Ion	Ratio	Lower	Upper
164	100		
129	99.4	74.3	138.1
131	99.4	71.3	132.3
166	128.3	91.5	169.9



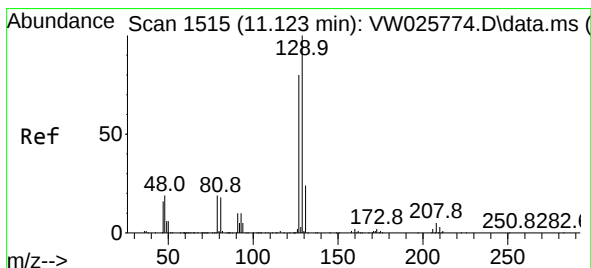
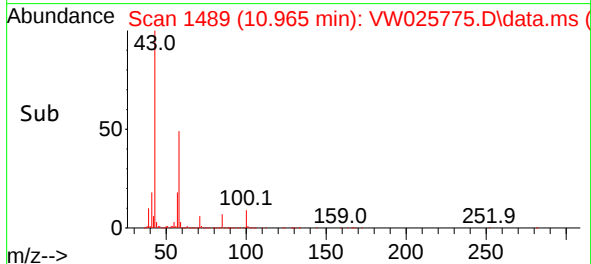
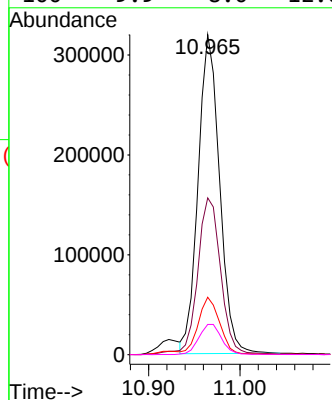
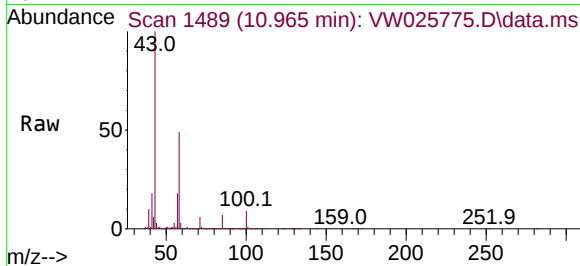


#48
2-Hexanone
Concen: 92.593 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

Tgt Ion: 43 Resp: 520968

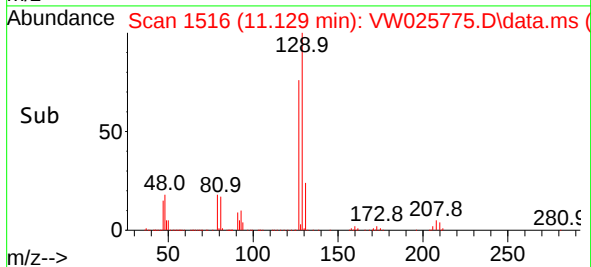
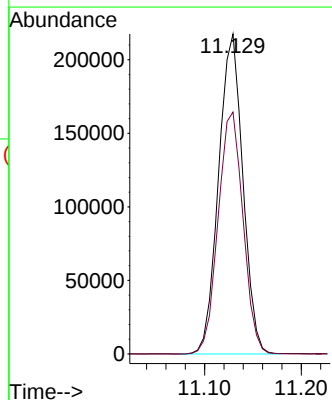
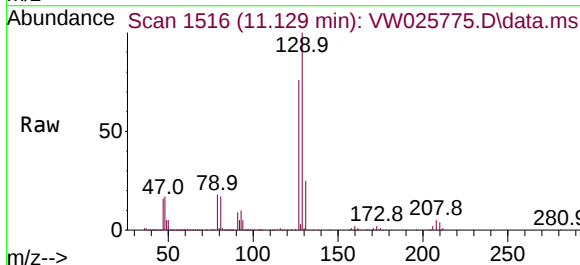
Ion	Ratio	Lower	Upper
43	100		
58	51.6	40.8	61.2
57	17.9	13.6	20.4
100	9.9	8.0	12.0

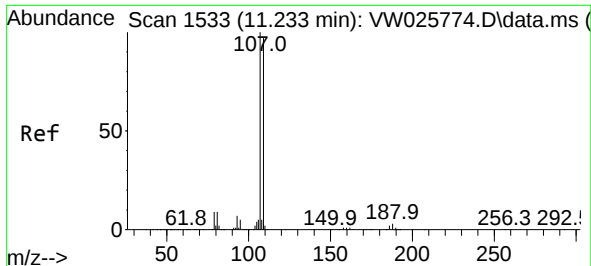


#49
Dibromochloromethane
Concen: 46.128 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion: 129 Resp: 379036

Ion	Ratio	Lower	Upper
129	100		
127	75.6	56.1	104.3





#50

1,2-Dibromoethane

Concen: 45.519 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

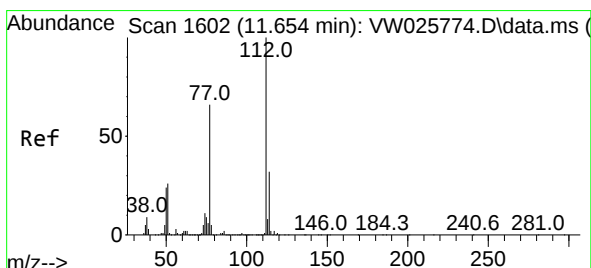
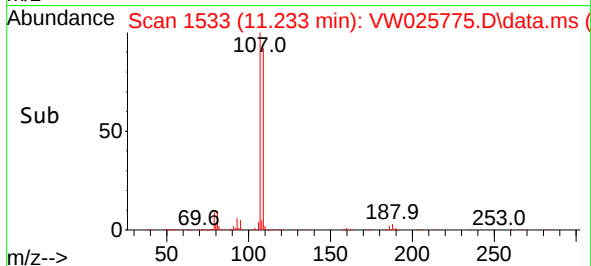
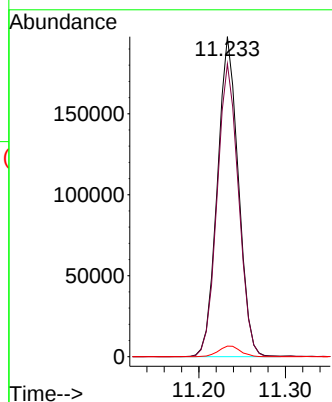
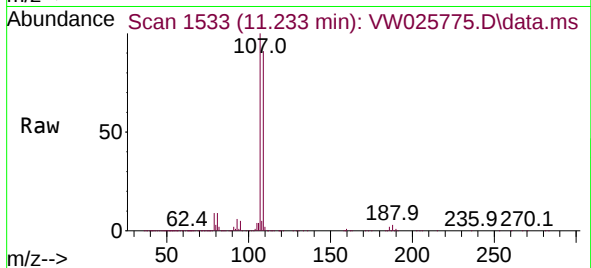
Tgt Ion:107 Resp: 333053

Ion Ratio Lower Upper

107 100

109 91.5 67.5 125.4

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 45.752 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

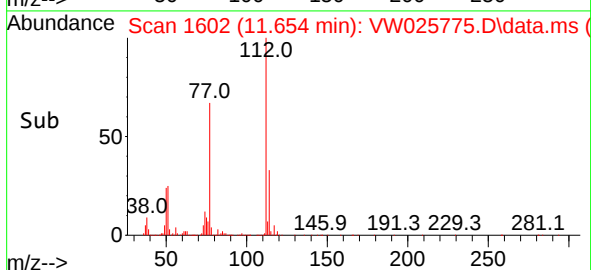
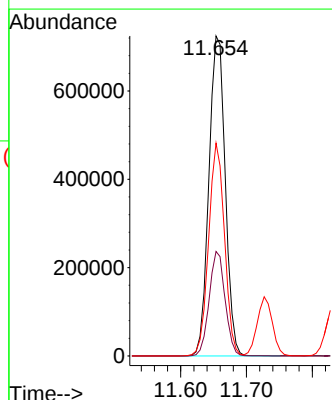
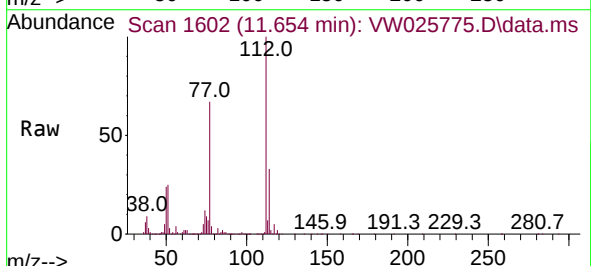
Tgt Ion:112 Resp: 1254193

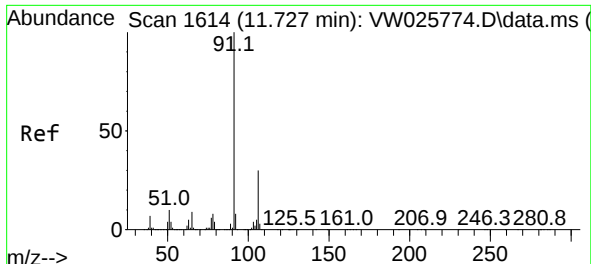
Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.3

77 66.5 53.0 79.6





#52

Ethylbenzene

Concen: 47.139 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

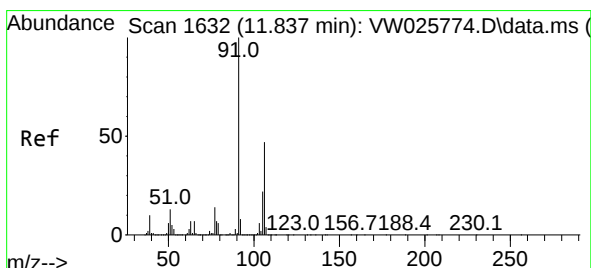
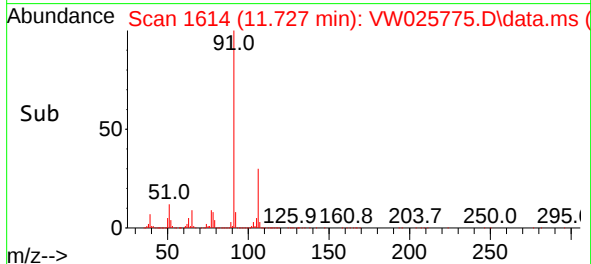
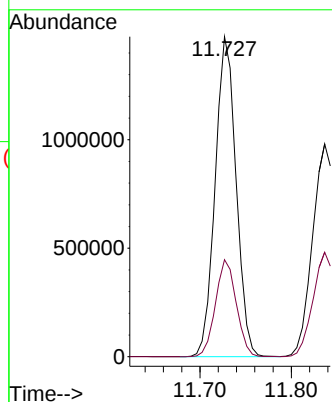
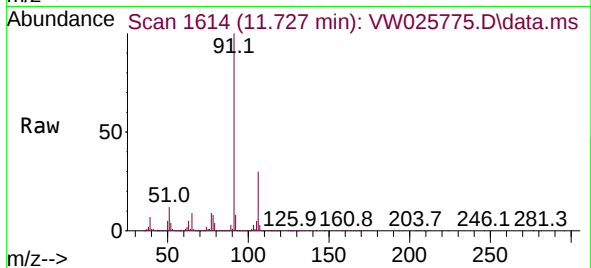
VSTD050454

Tgt Ion: 91 Resp: 2346415

Ion Ratio Lower Upper

91 100

106 30.3 20.8 38.6



#53

m,p-Xylene

Concen: 47.559 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW025775.D

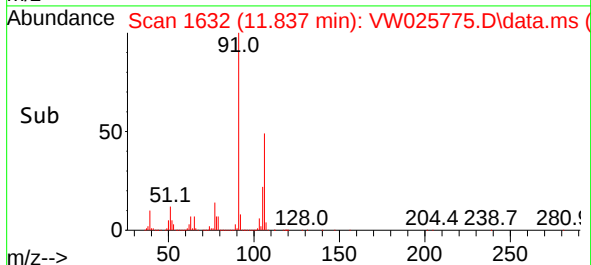
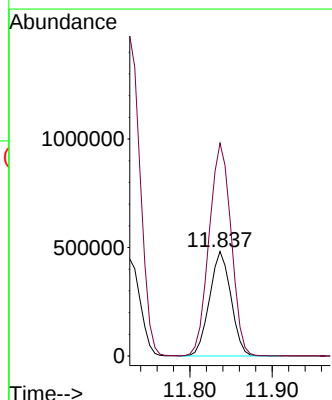
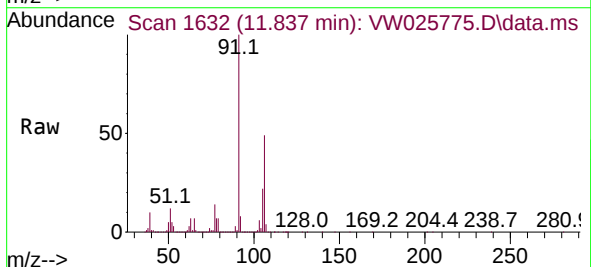
Acq: 01 May 2023 12:51

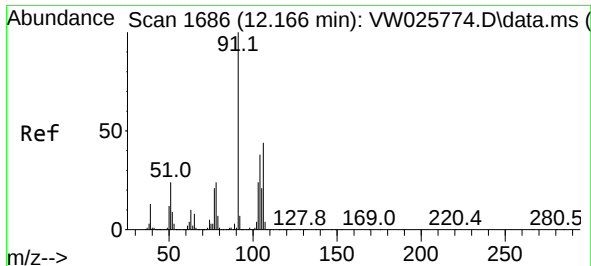
Tgt Ion:106 Resp: 871281

Ion Ratio Lower Upper

106 100

91 203.5 150.1 278.9

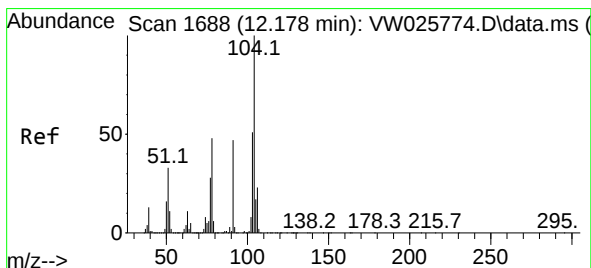
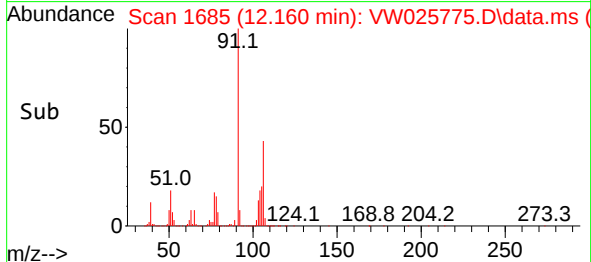
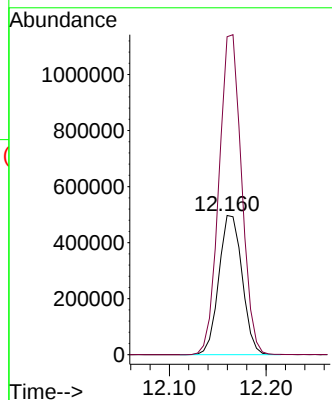
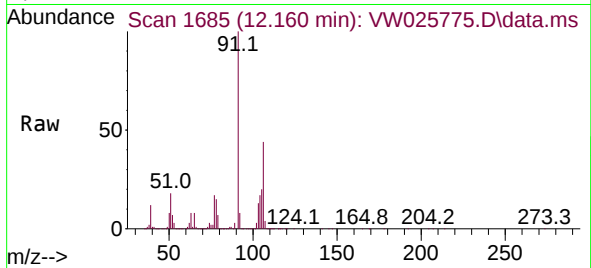




#54
o-Xylene
Concen: 48.115 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

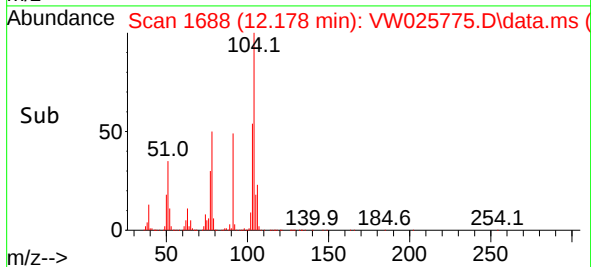
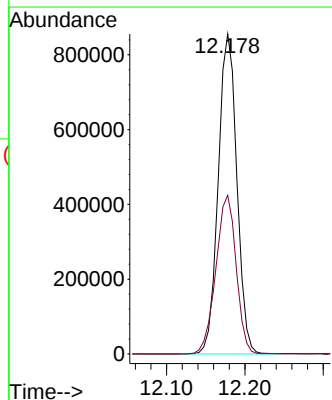
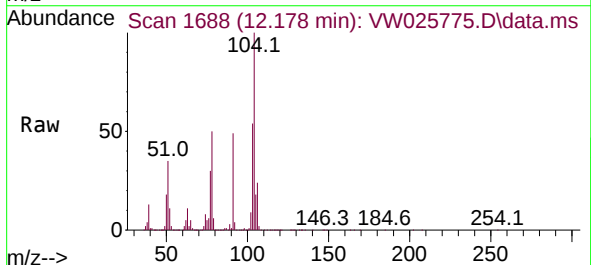
Instrument :
MSVOA_W
ClientSampleId :
VSTD050454

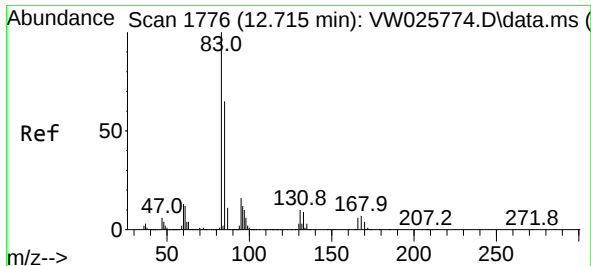
Tgt Ion:106 Resp: 830823
Ion Ratio Lower Upper
106 100
91 228.4 157.8 293.1



#55
Styrene
Concen: 47.881 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW025775.D
Acq: 01 May 2023 12:51

Tgt Ion:104 Resp: 1415118
Ion Ratio Lower Upper
104 100
78 49.6 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 44.400 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

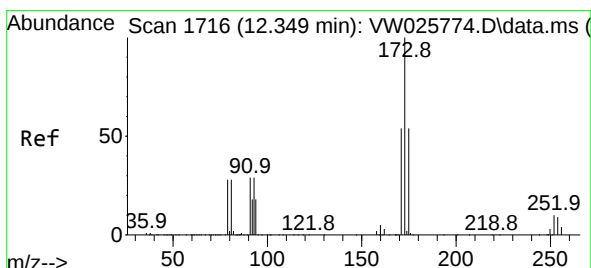
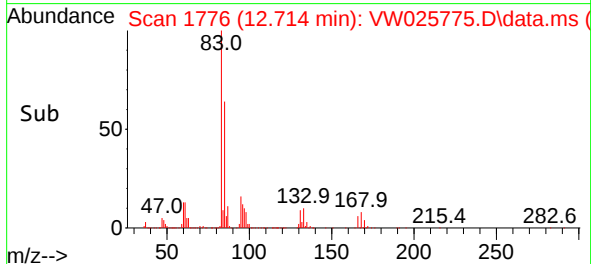
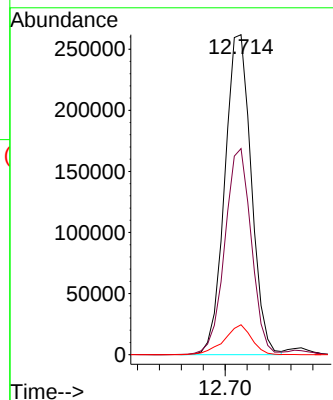
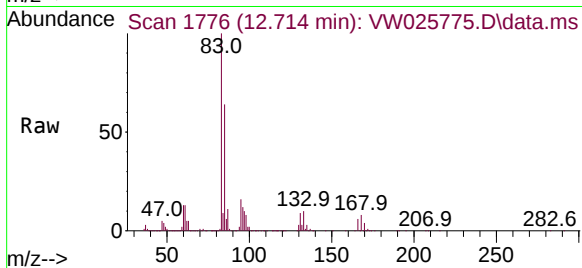
Tgt Ion: 83 Resp: 439706

Ion Ratio Lower Upper

83 100

85 64.4 45.6 84.8

131 9.4 8.1 12.1



#59

Bromoform

Concen: 47.156 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

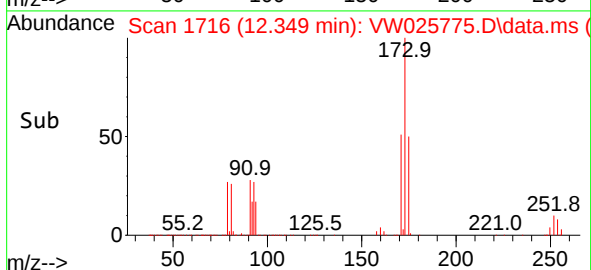
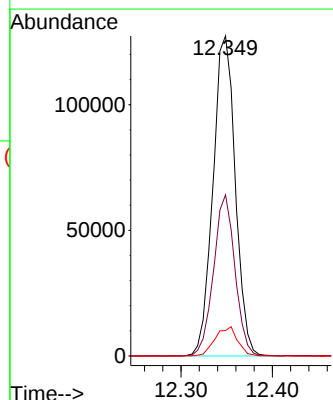
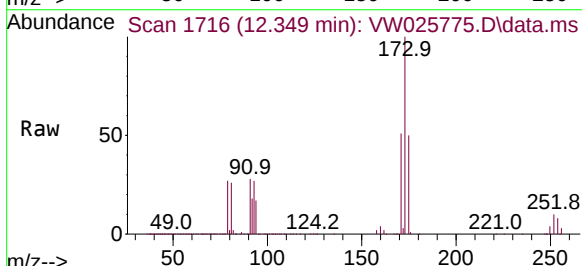
Tgt Ion:173 Resp: 215723

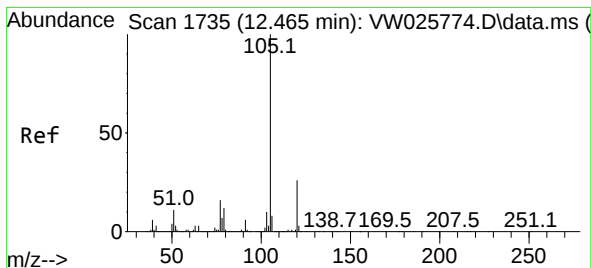
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 9.2 7.6 11.4





#60

Isopropylbenzene

Concen: 48.998 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

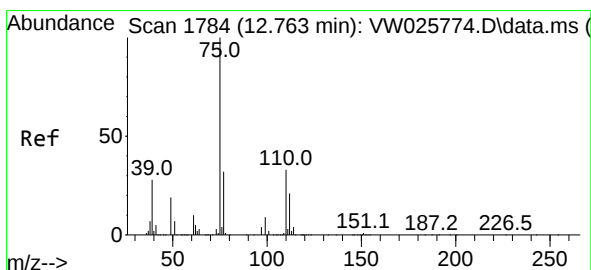
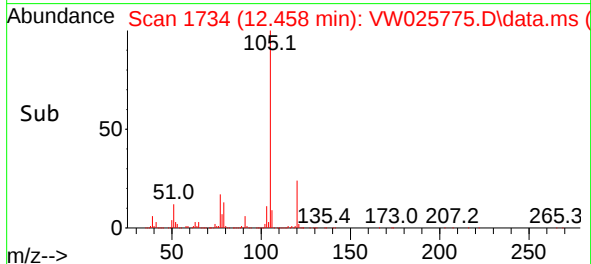
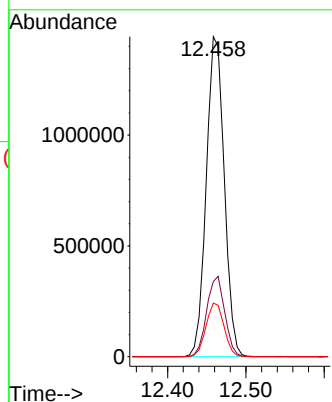
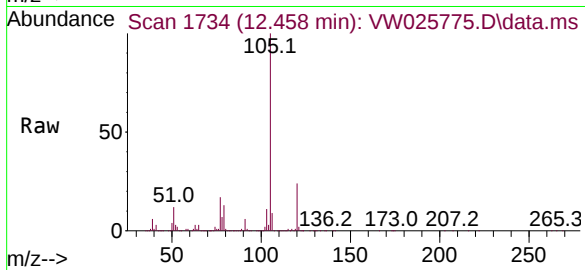
Tgt Ion:105 Resp: 2300302

Ion Ratio Lower Upper

105 100

120 25.1 21.1 31.7

77 16.8 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 44.884 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

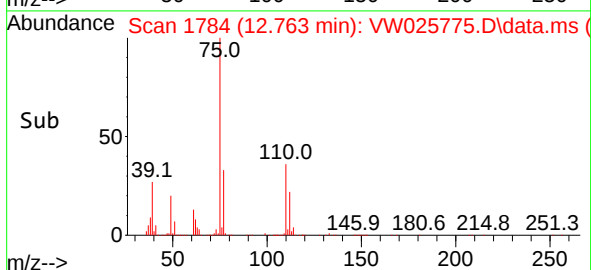
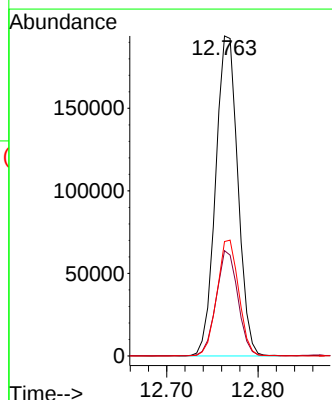
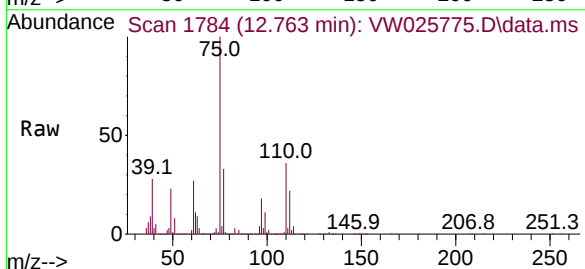
Tgt Ion: 75 Resp: 327617

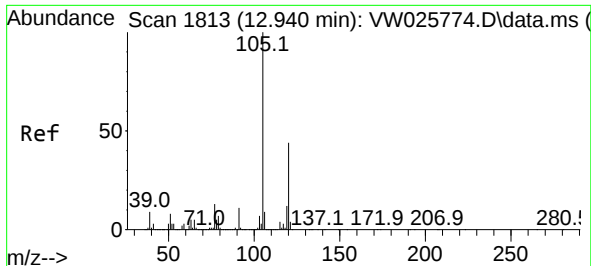
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

110 35.5 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 50.588 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

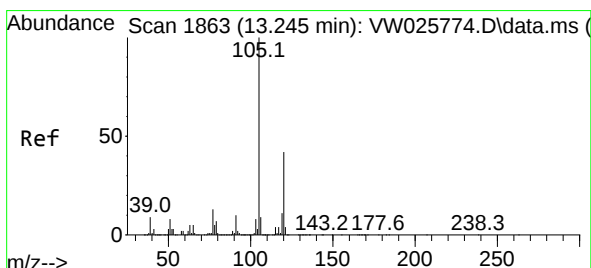
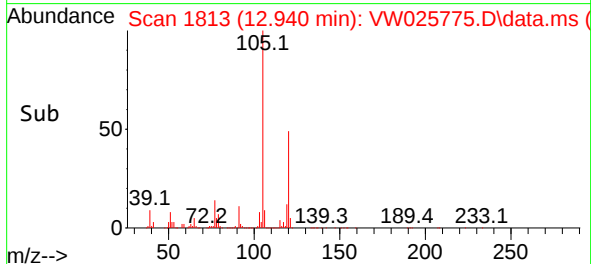
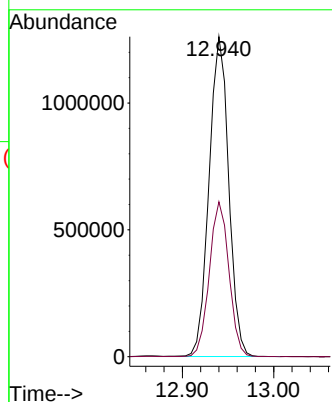
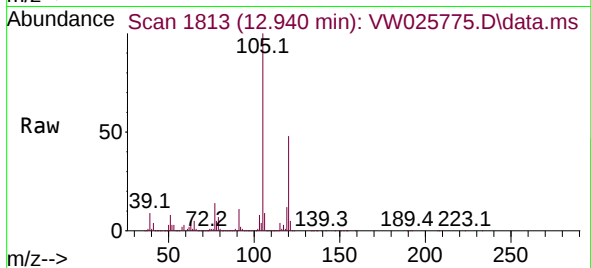
VSTD050454

Tgt Ion:105 Resp: 1881046

Ion Ratio Lower Upper

105 100

120 48.3 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 50.688 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW025775.D

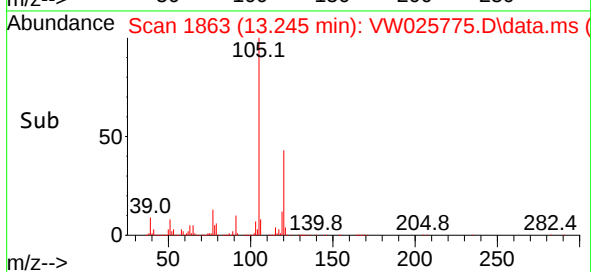
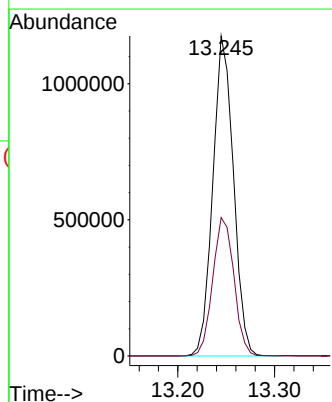
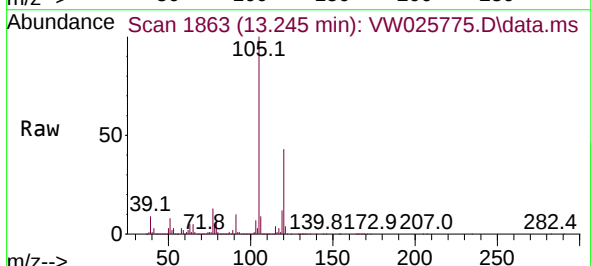
Acq: 01 May 2023 12:51

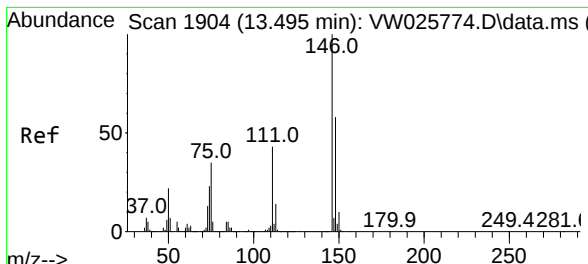
Tgt Ion:105 Resp: 1739277

Ion Ratio Lower Upper

105 100

120 44.5 34.7 52.1

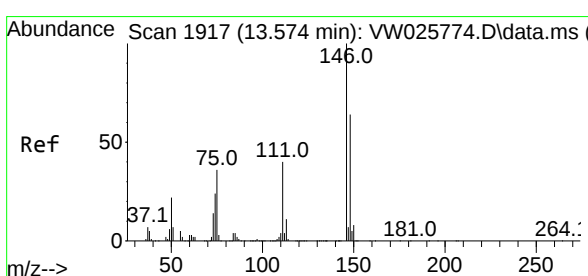
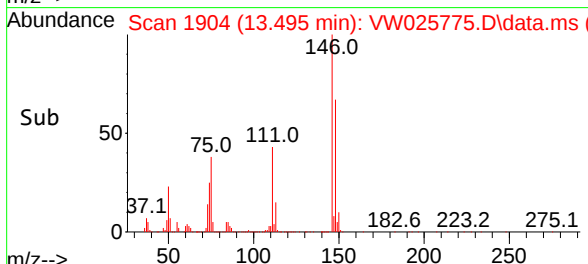
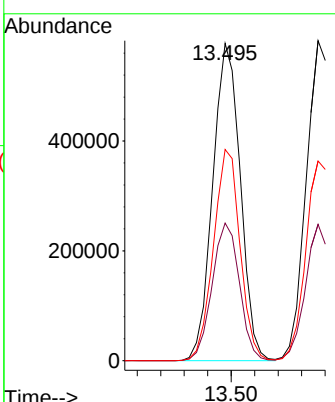
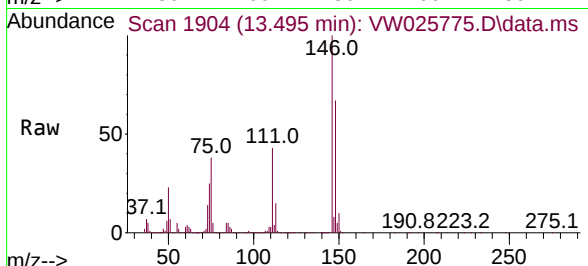




#64
 1,3-Dichlorobenzene
 Concen: 46.520 ug/L
 RT: 13.495 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW025775.D
 Acq: 01 May 2023 12:51

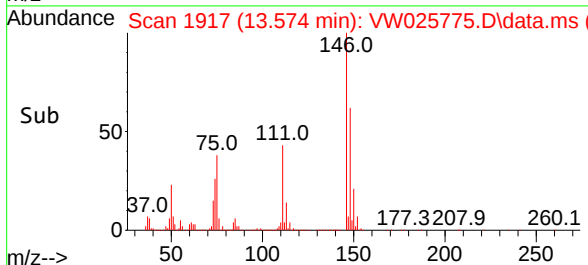
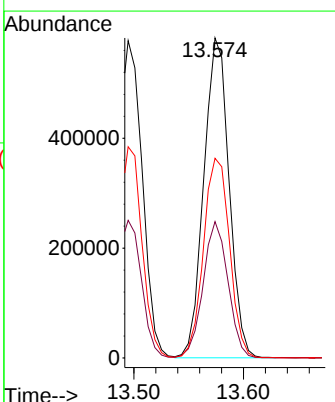
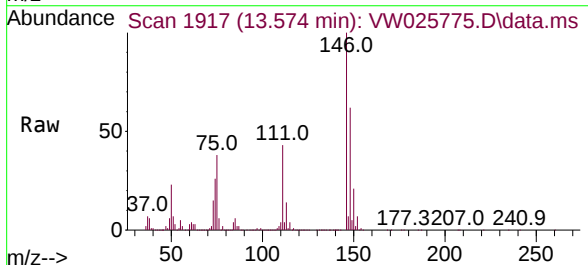
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050454

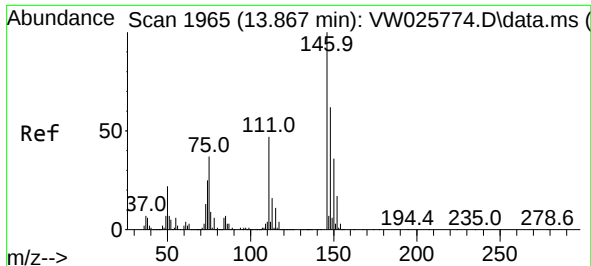
Tgt Ion:	146	Resp:	940150
Ion Ratio	Lower	Upper	
146	100		
111	43.4	30.4	56.4
148	66.6	40.8	75.8



#65
 1,4-Dichlorobenzene
 Concen: 45.694 ug/L
 RT: 13.574 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: VW025775.D
 Acq: 01 May 2023 12:51

Tgt Ion:	146	Resp:	932958
Ion Ratio	Lower	Upper	
146	100		
111	42.6	27.9	51.9
148	62.4	44.7	82.9





#67

1,2-Dichlorobenzene

Concen: 46.349 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

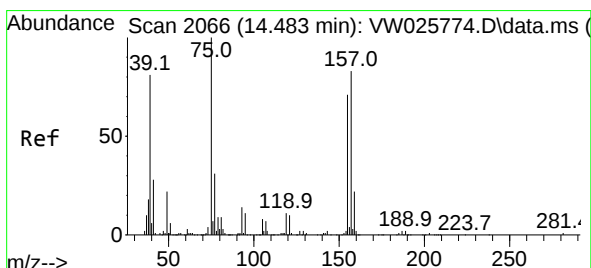
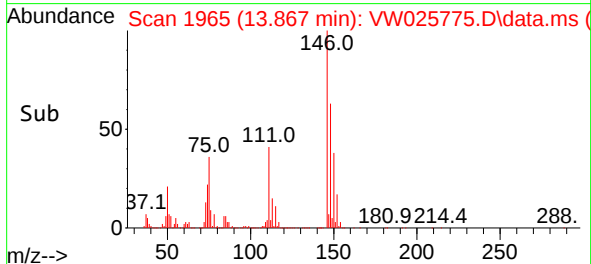
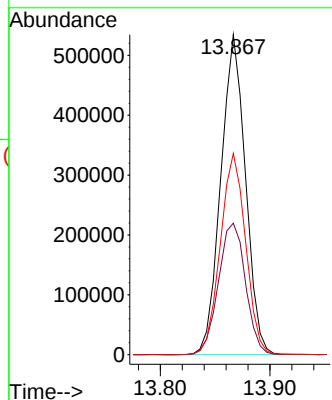
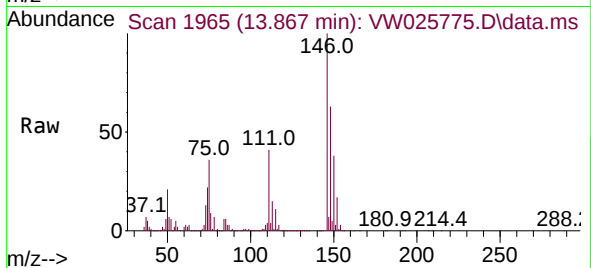
Tgt Ion:146 Resp: 835373

Ion Ratio Lower Upper

146 100

111 41.1 37.7 56.5

148 62.9 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 42.881 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

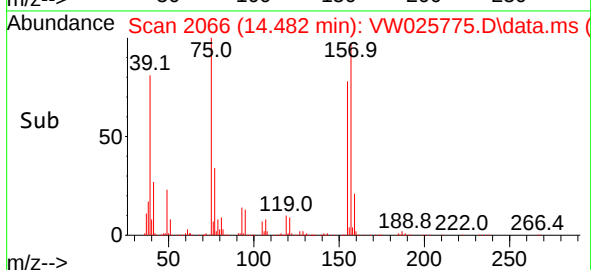
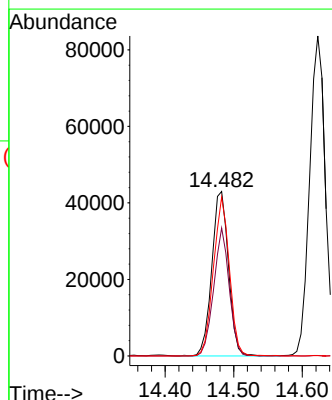
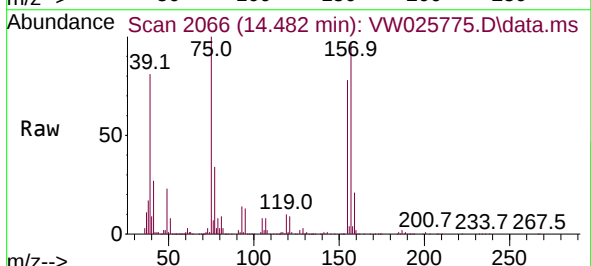
Tgt Ion: 75 Resp: 72580

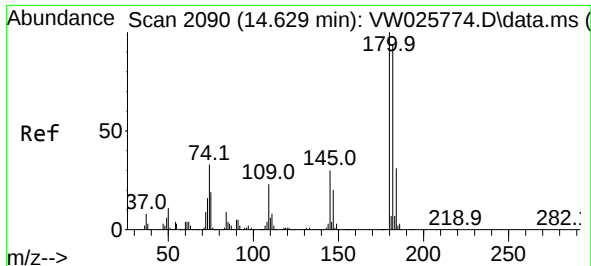
Ion Ratio Lower Upper

75 100

155 77.8 56.3 84.5

157 96.6 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 46.166 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

Tgt Ion:180 Resp: 619321

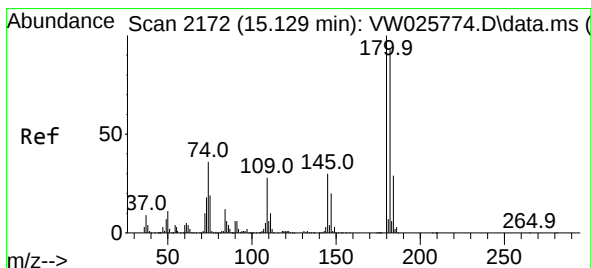
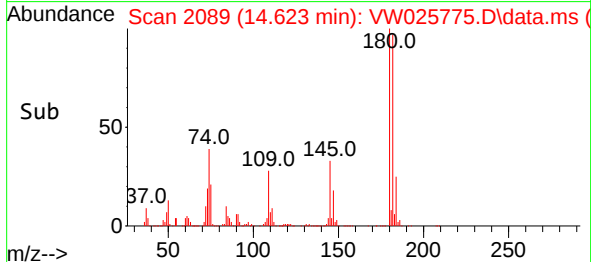
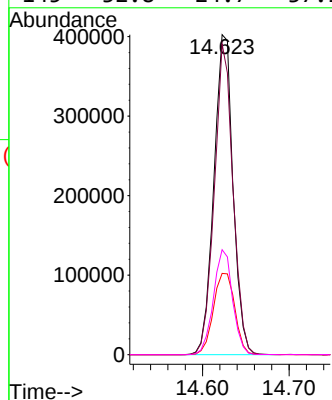
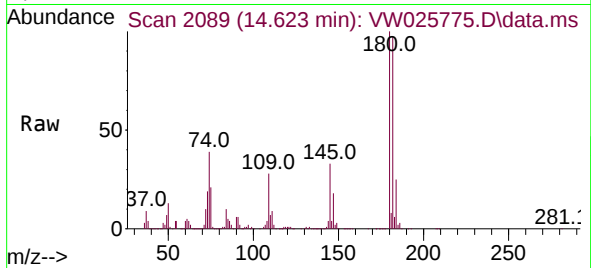
Ion Ratio Lower Upper

180 100

182 94.3 77.4 116.0

184 28.4 24.7 37.1

145 32.8 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 46.269 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

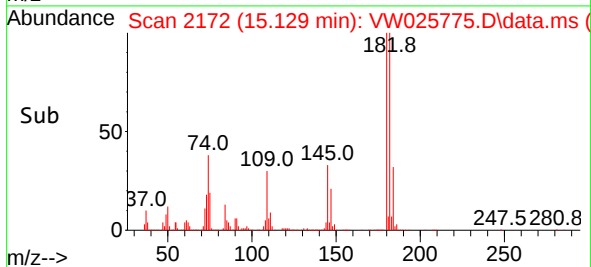
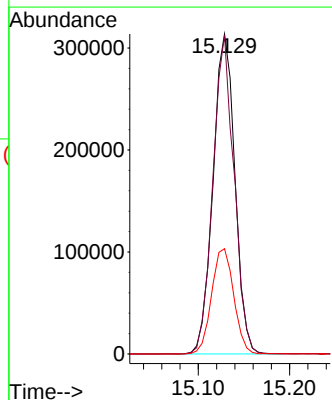
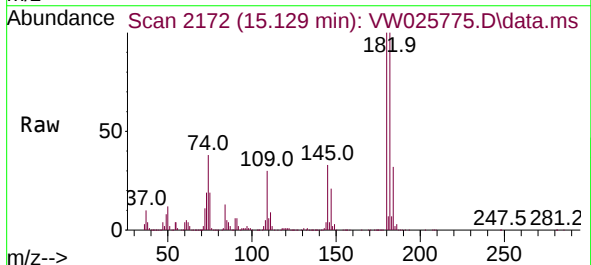
Tgt Ion:180 Resp: 520002

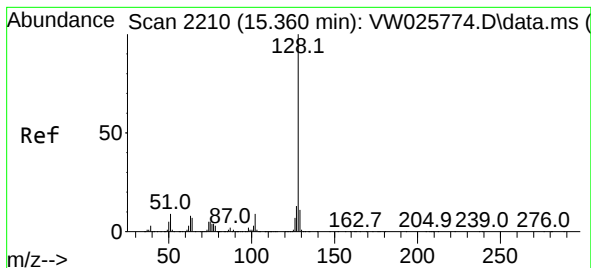
Ion Ratio Lower Upper

180 100

182 96.3 74.3 111.5

145 33.4 25.4 38.0





#71

Naphthalene

Concen: 50.381 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD050454

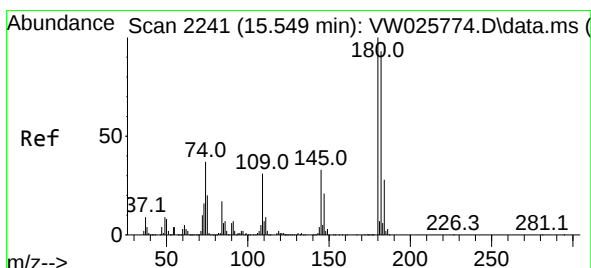
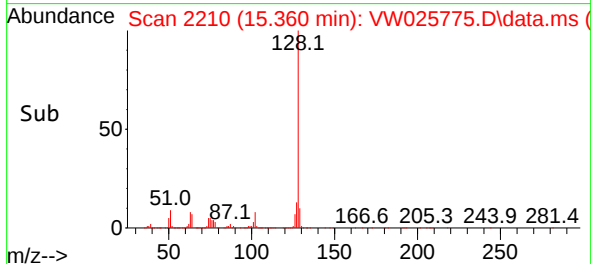
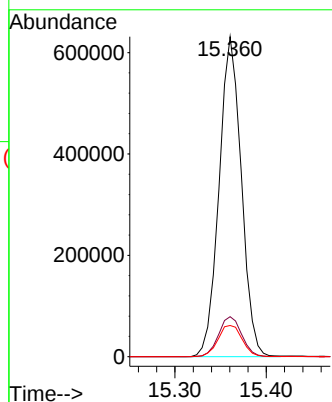
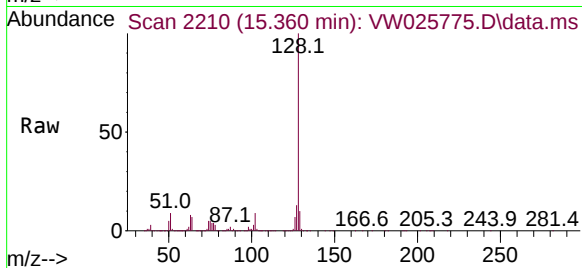
Tgt Ion:128 Resp: 1068696

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 10.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 44.950 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025775.D

Acq: 01 May 2023 12:51

Tgt Ion:180 Resp: 448238

Ion Ratio Lower Upper

180 100

182 97.7 76.1 114.1

145 36.6 28.0 42.0

