

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070323\
 Data File : VW026512.D
 Acq On : 03 Jul 2023 16:42
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005479

Quant Time: Jul 04 01:41:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 04 01:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	734541	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	637277	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	316790	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	38842	3.810	ug/L	0.00
7) Chloroethane-d5	2.887	69	33852	4.112	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.192	65	91	0.018	ug/L	0.16
21) 2-Butanone-d5	7.081	46	34151	8.453	ug/L	0.00
24) Chloroform-d	7.648	84	101072	4.744	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	60238	4.865	ug/L	0.00
32) Benzene-d6	8.270	84	209674	4.906	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	66260	4.859	ug/L	0.00
41) Toluene-d8	10.325	98	188491	4.922	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.581	79	25670	4.694	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	22641	9.020	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	53738	4.842	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	58101	4.844	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.186	85	355	0.045	ug/L	90
3) Chloromethane	2.223	50	53588	4.265	ug/L	98
5) Vinyl chloride	2.375	62	53972	4.468	ug/L	95
6) Bromomethane	2.783	94	31892	4.618	ug/L	93
8) Chloroethane	2.930	64	32521	4.576	ug/L	92
9) Trichlorofluoromethane	3.259	101	34133	4.186	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	43172	4.473	ug/L #	70
12) 1,1-Dichloroethene	4.051	96	43223	4.689	ug/L	82
13) Acetone	4.125	43	23833	9.389	ug/L	99
14) Carbon disulfide	4.393	76	140045	4.812	ug/L	98
15) Methyl Acetate	4.673	43	30334	4.692	ug/L	98
16) Methylene chloride	4.917	84	68225	5.380	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	50204	4.960	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	46252	2.666	ug/L #	63
19) 1,1-Dichloroethane	6.216	63	105379	4.923	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	55816	4.875	ug/L	98
22) 2-Butanone	7.179	43	40274	8.948	ug/L	99
23) Bromochloromethane	7.514	128	24237	5.006	ug/L	81
25) Chloroform	7.679	83	96983	4.867	ug/L	98
27) 1,2-Dichloroethane	8.398	62	71648	4.936	ug/L	99
29) Cyclohexane	7.953	56	93969	4.983	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	72879	4.882	ug/L	98
31) Carbon tetrachloride	8.069	117	65742	4.898	ug/L	97
33) Benzene	8.325	78	216746	5.003	ug/L	100
34) Trichloroethene	9.093	95	55860	5.030	ug/L	96
35) Methylcyclohexane	9.337	83	94840	4.995	ug/L	98
37) 1,2-Dichloropropane	9.368	63	59653	5.021	ug/L	99
38) Bromodichloromethane	9.648	83	67706	4.874	ug/L	96
39) cis-1,3-Dichloropropene	10.075	75	79220	4.561	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	79524	8.856	ug/L	99
42) Toluene	10.386	91	221972	5.026	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	67612	4.627	ug/L	100

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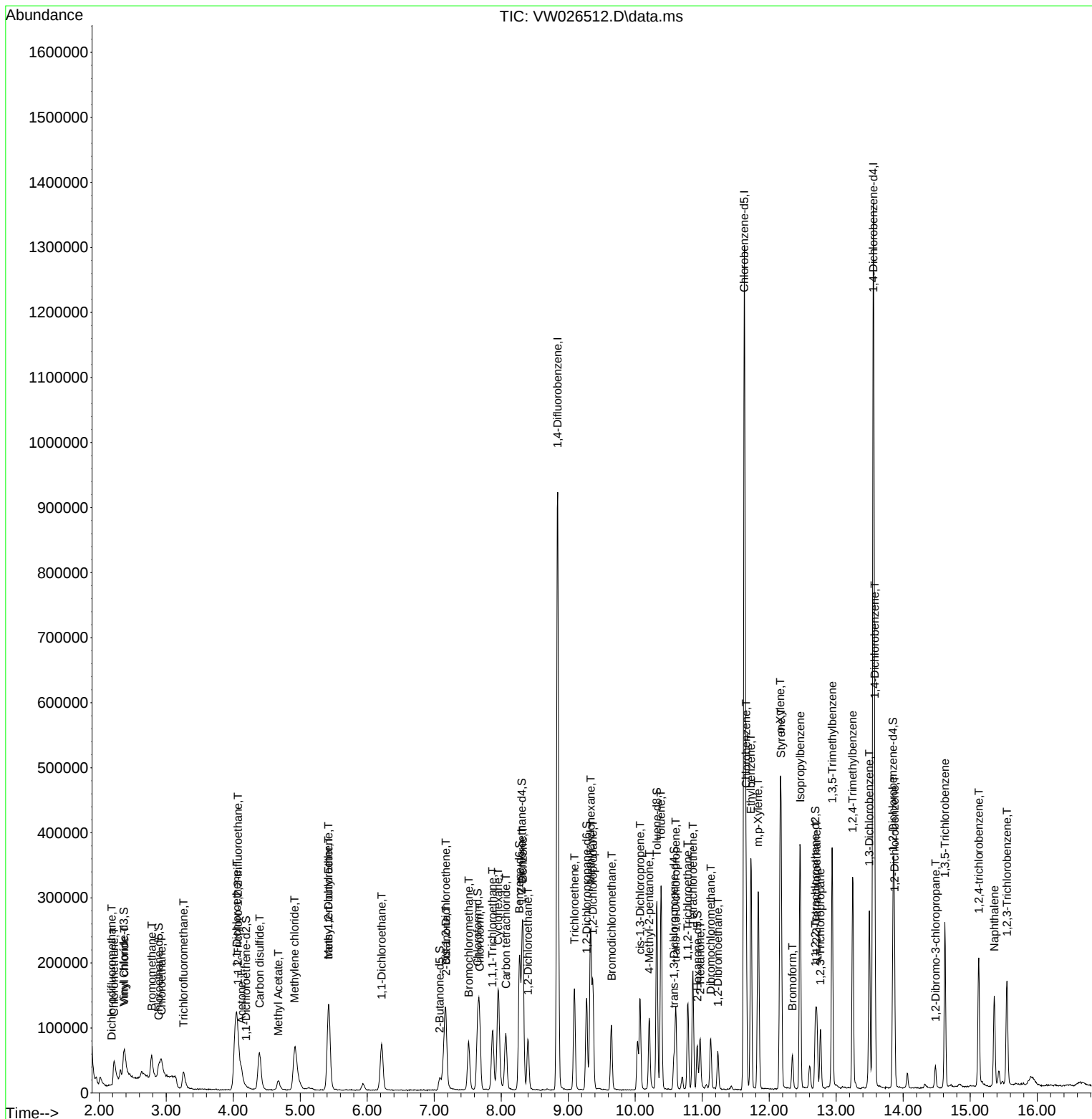
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 ClientSampleId :
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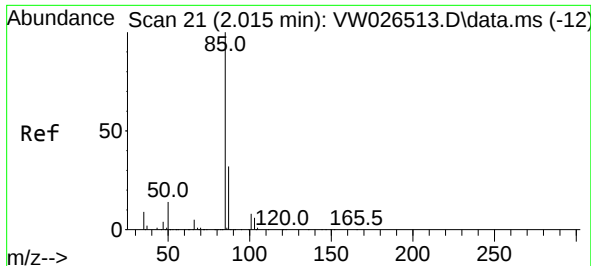
Quant Time: Jul 04 01:41:41 2023
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 Quant Title : SFAM01.0
 QLast Update : Tue Jul 04 01:40:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.782	97	40971	4.971	ug/L	98
46) Tetrachloroethene	10.861	164	37267	4.984	ug/L	96
48) 2-Hexanone	10.971	43	53772	8.871	ug/L	100
49) Dibromochloromethane	11.129	129	39650	4.690	ug/L	93
50) 1,2-Dibromoethane	11.233	107	38185	4.939	ug/L	97
51) Chlorobenzene	11.654	112	139625	5.076	ug/L	98
52) Ethylbenzene	11.727	91	246451	4.933	ug/L	99
53) m,p-Xylene	11.837	106	91733	4.973	ug/L	98
54) o-Xylene	12.166	106	87043	4.946	ug/L	98
55) Styrene	12.178	104	147033	4.906	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.708	83	51189	4.788	ug/L	100
59) Bromoform	12.349	173	22513	4.545	ug/L	99
60) Isopropylbenzene	12.465	105	237607	4.819	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	38885	4.736	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	189081	4.750	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	173836	4.528	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	101730	4.925	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	103819	5.003	ug/L	96
67) 1,2-Dichlorobenzene	13.873	146	89837	4.861	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	14.483	75	8479	4.316	ug/L	85
69) 1,3,5-Trichlorobenzene	14.623	180	68988	5.047	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	57987	4.922	ug/L	98
71) Naphthalene	15.360	128	112031	4.285	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	50682	4.824	ug/L	99

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

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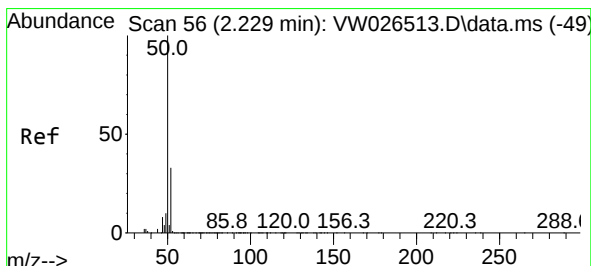
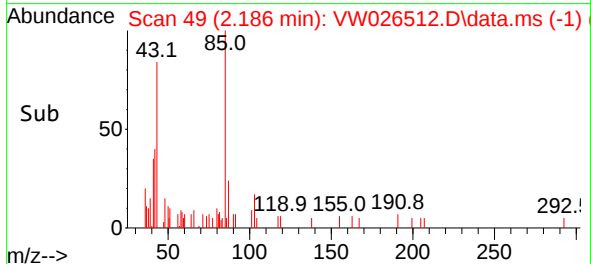
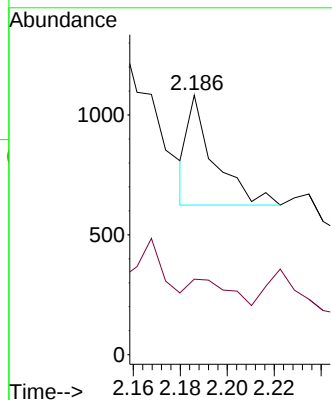
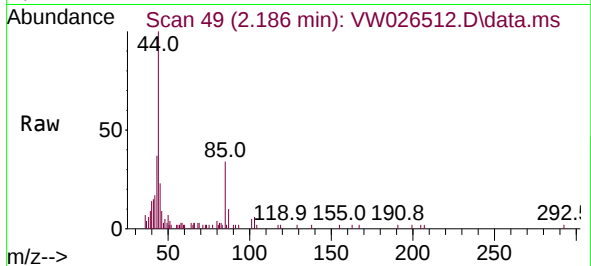




#2
Dichlorodifluoromethane
Concen: 0.045 ug/L
RT: 2.186 min Scan# 49
Delta R.T. 0.171 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

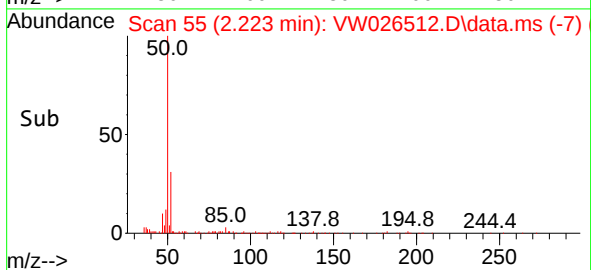
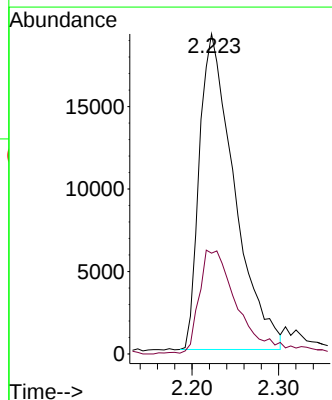
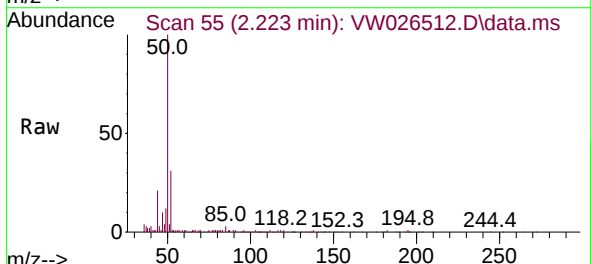
Instrument :
MSVOA_W
ClientSampleId :
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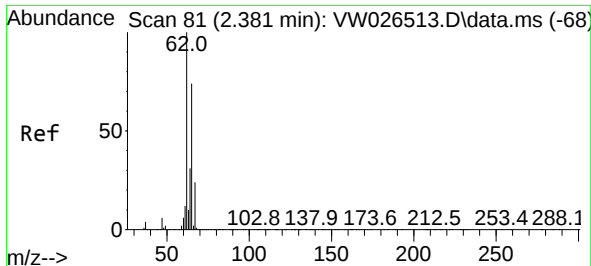
Tgt Ion: 85 Resp: 355
Ion Ratio Lower Upper
85 100
87 35.2 23.8 35.8



#3
Chloromethane
Concen: 4.265 ug/L
RT: 2.223 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 50 Resp: 53588
Ion Ratio Lower Upper
50 100
52 31.5 22.7 42.1

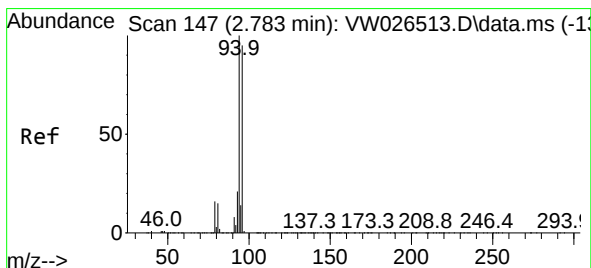
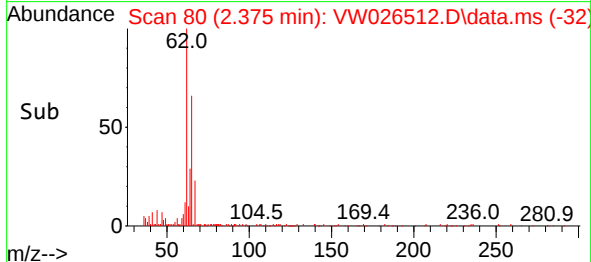
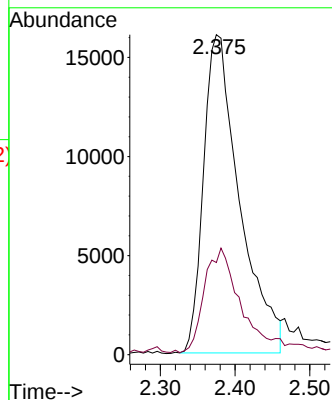
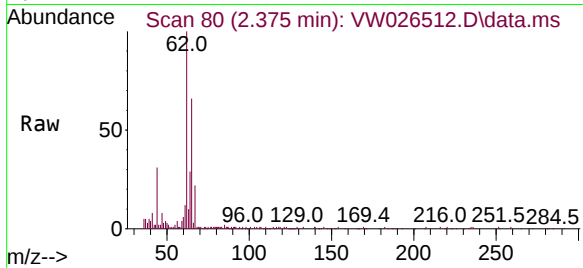




#5
 Vinyl chloride
 Concen: 4.468 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VW026512.D
 Acq: 03 Jul 2023 16:42

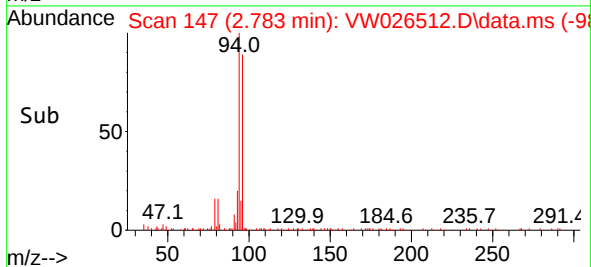
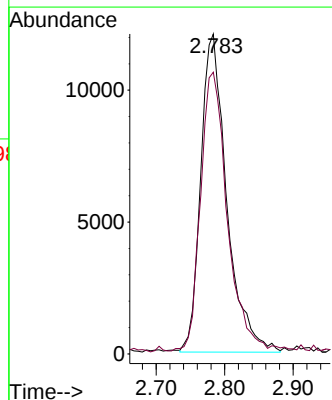
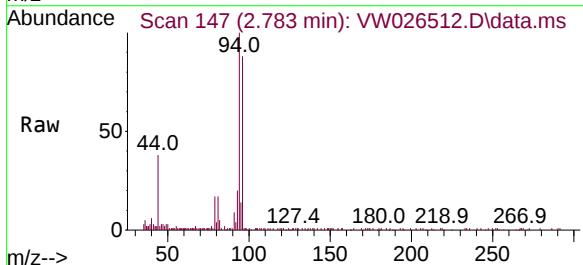
Instrument :
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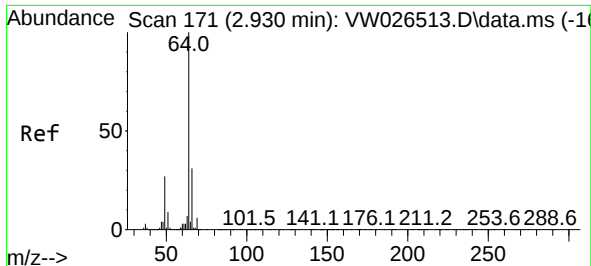
Tgt Ion: 62 Resp: 53972
 Ion Ratio Lower Upper
 62 100
 64 28.8 22.1 41.1



#6
 Bromomethane
 Concen: 4.618 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VW026512.D
 Acq: 03 Jul 2023 16:42

Tgt Ion: 94 Resp: 31892
 Ion Ratio Lower Upper
 94 100
 96 88.0 66.3 123.1

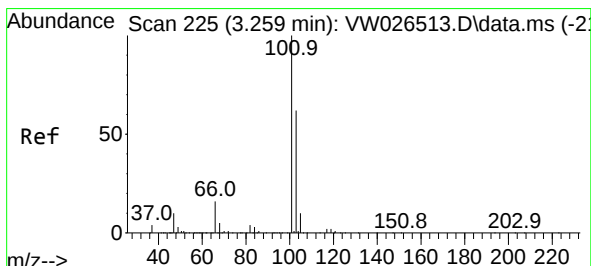
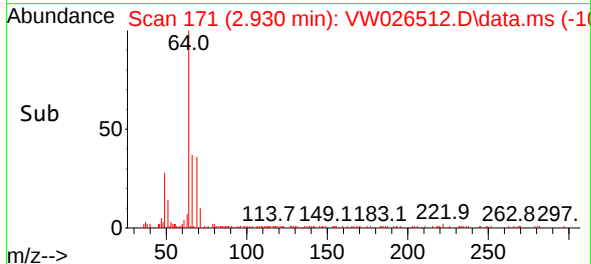
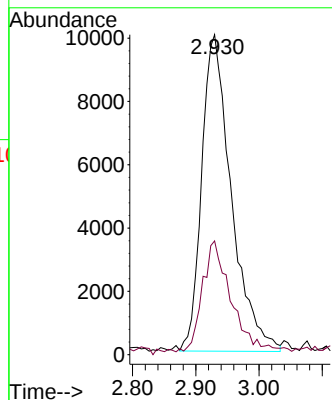
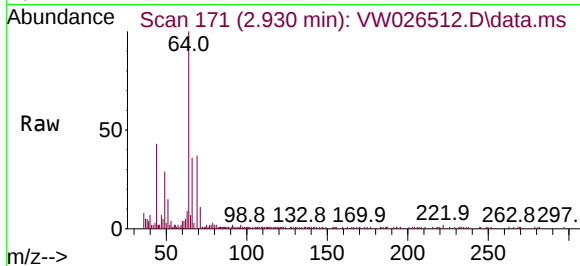




#8
Chloroethane
Concen: 4.576 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

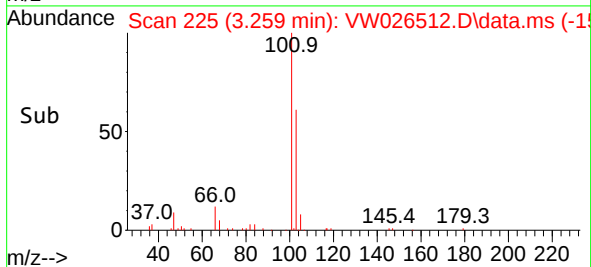
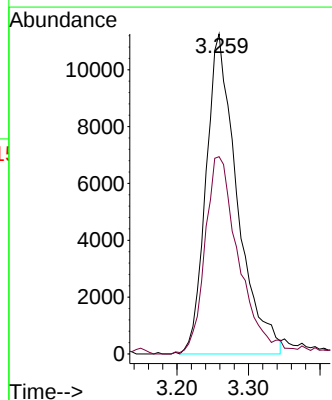
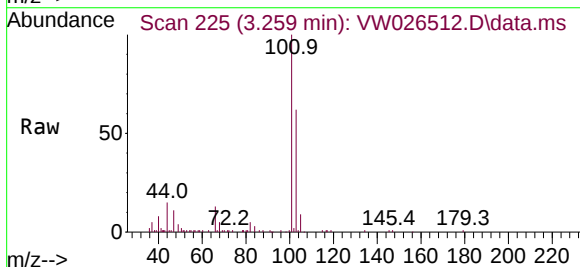
Instrument :
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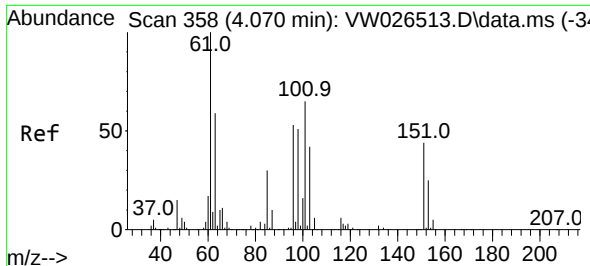
Tgt Ion: 64 Resp: 32521
Ion Ratio Lower Upper
64 100
66 35.5 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.186 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 101 Resp: 34133
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8

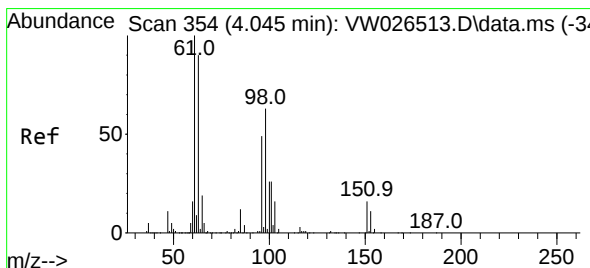
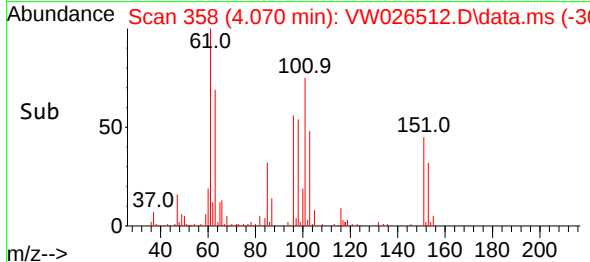
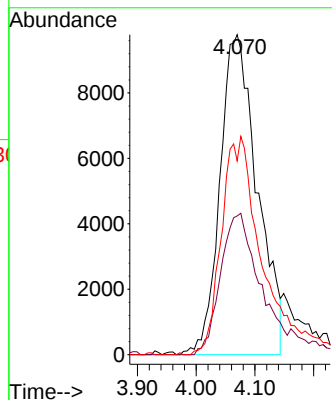
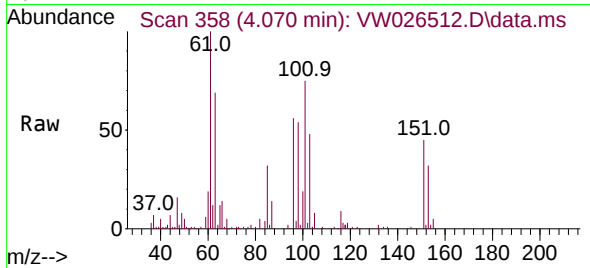




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.473 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: VW026512.D
 Acq: 03 Jul 2023 16:42

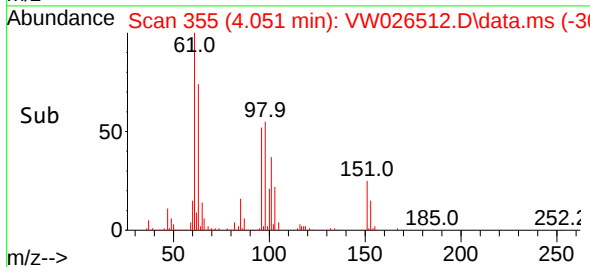
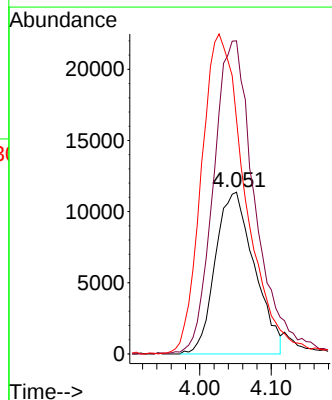
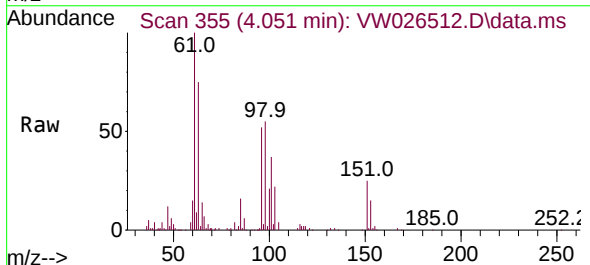
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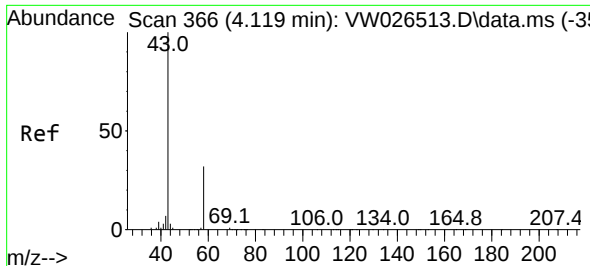
Tgt Ion:101 Resp: 43172
 Ion Ratio Lower Upper
 101 100
 85 46.0 35.4 53.0
 151 30.9 55.2 82.8#



#12
 1,1-Dichloroethene
 Concen: 4.689 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW026512.D
 Acq: 03 Jul 2023 16:42

Tgt Ion: 96 Resp: 43223
 Ion Ratio Lower Upper
 96 100
 61 193.5 142.9 265.5
 63 144.9 132.7 246.5

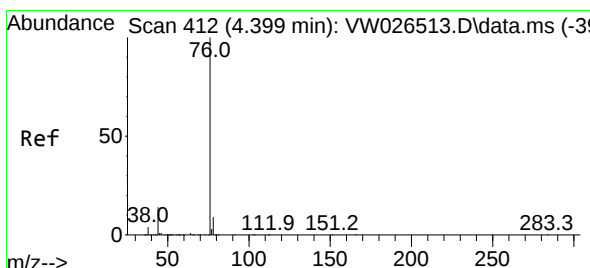
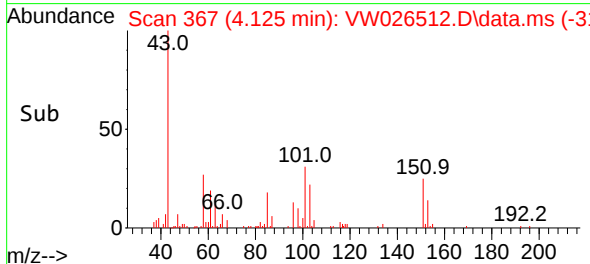
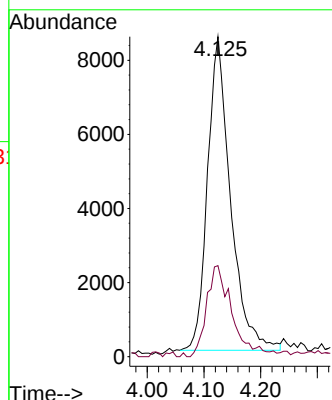
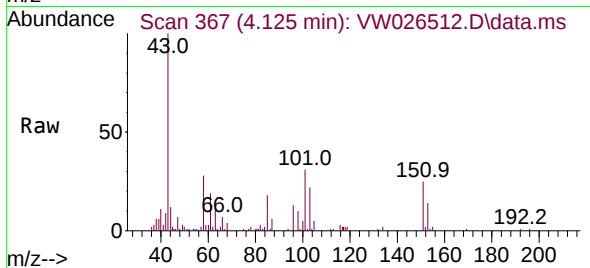




#13
Acetone
Concen: 9.389 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

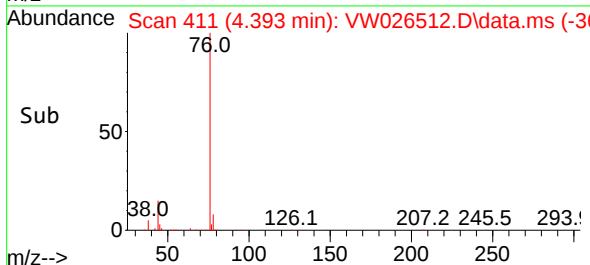
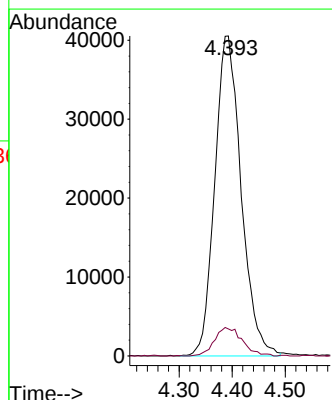
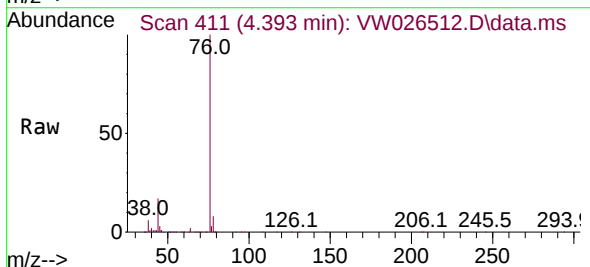
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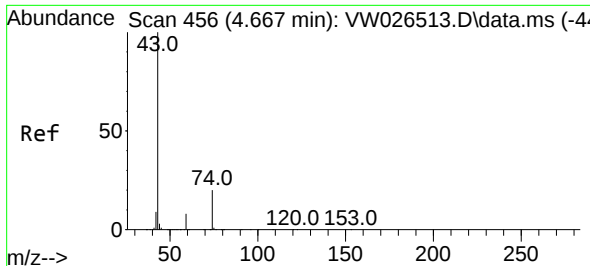
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Ion Ratio Lower Upper
43 100
58 30.4 0.0 59.6



#14
Carbon disulfide
Concen: 4.812 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 76 Resp: 140045
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8

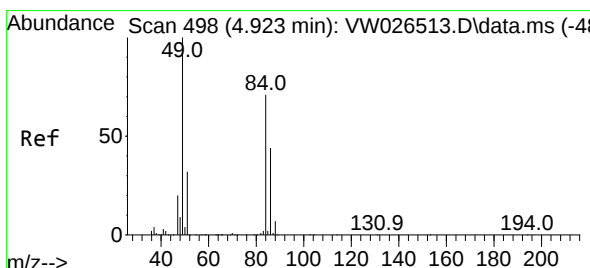
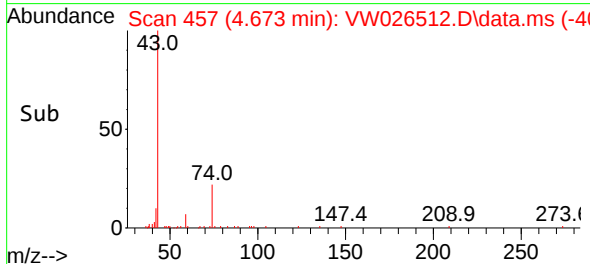
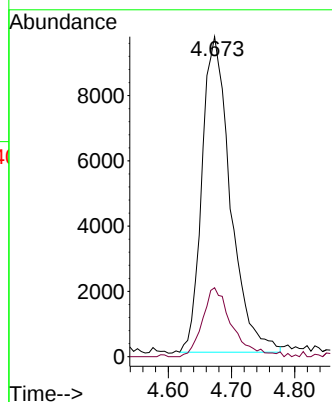
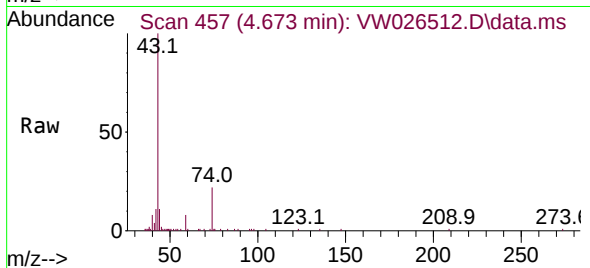




#15
Methyl Acetate
Concen: 4.692 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

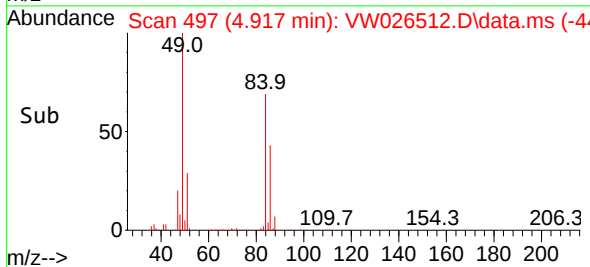
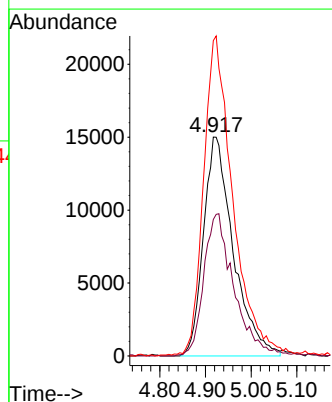
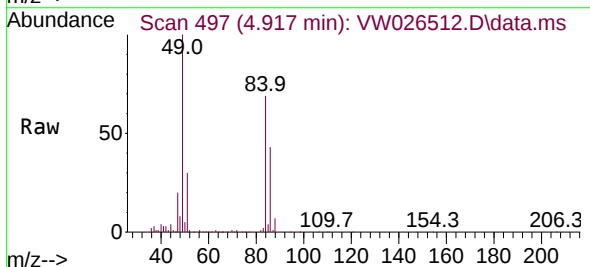
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

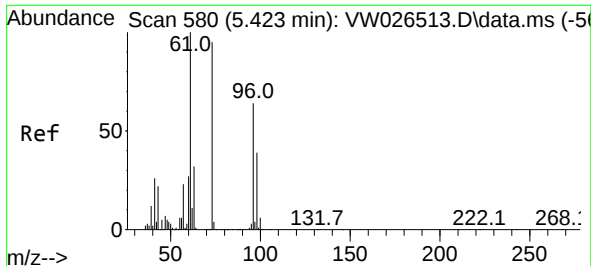
Tgt Ion: 43 Resp: 30334
Ion Ratio Lower Upper
43 100
74 21.6 16.6 24.8



#16
Methylene chloride
Concen: 5.380 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 84 Resp: 68225
Ion Ratio Lower Upper
84 100
86 62.3 43.3 80.5
49 144.1 99.3 184.3





#17

trans-1,2-Dichloroethene

Concen: 4.960 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

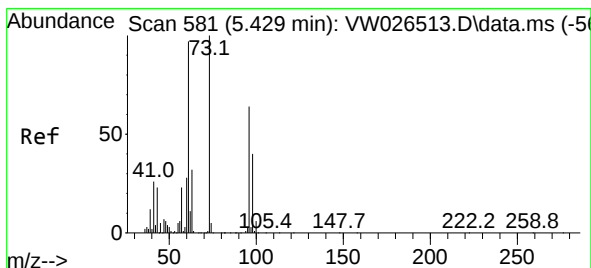
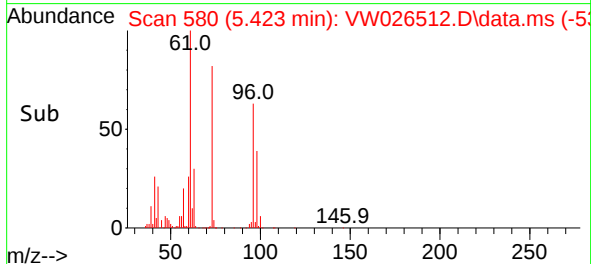
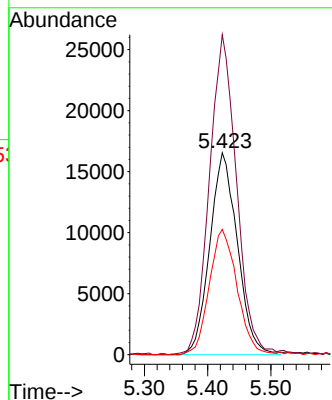
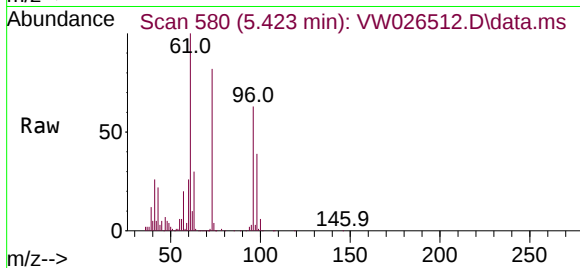
Tgt Ion: 96 Resp: 50204

Ion Ratio Lower Upper

96 100

61 158.4 109.7 203.7

98 62.1 42.5 78.9



#18

Methyl tert-butyl Ether

Concen: 2.666 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

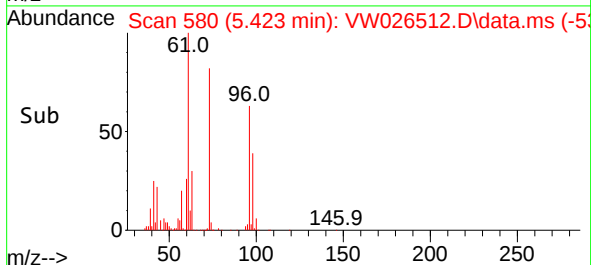
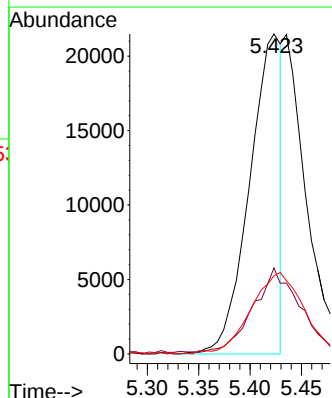
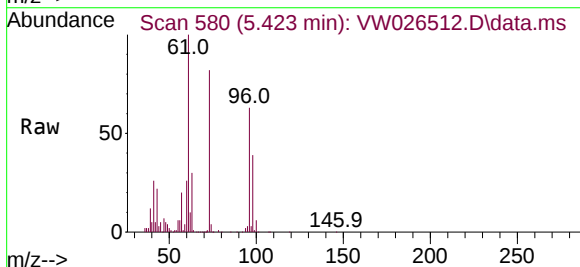
Tgt Ion: 73 Resp: 46252

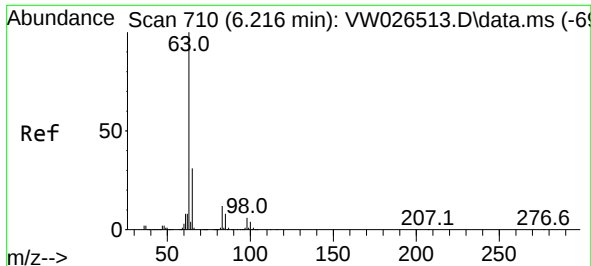
Ion Ratio Lower Upper

73 100

43 39.4 17.8 26.8#

57 41.9 18.8 28.2#





#19

1,1-Dichloroethane

Concen: 4.923 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

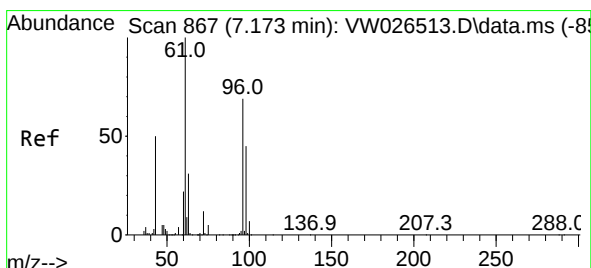
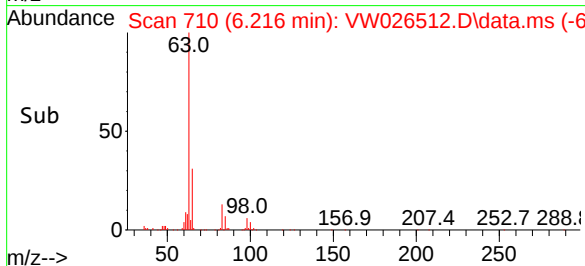
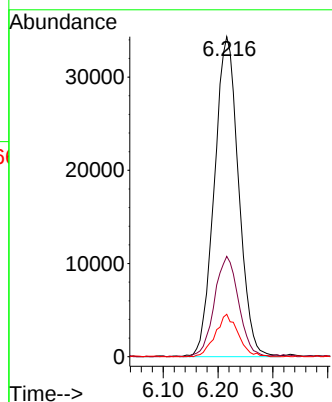
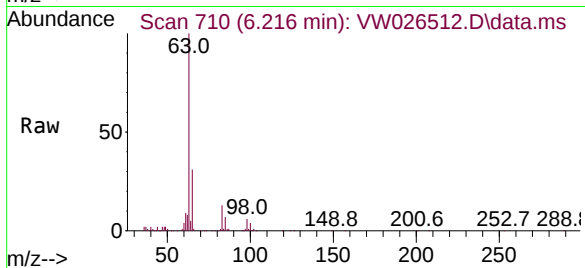
Tgt Ion: 63 Resp: 105379

Ion Ratio Lower Upper

63 100

65 31.4 21.8 40.4

83 13.3 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 4.875 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

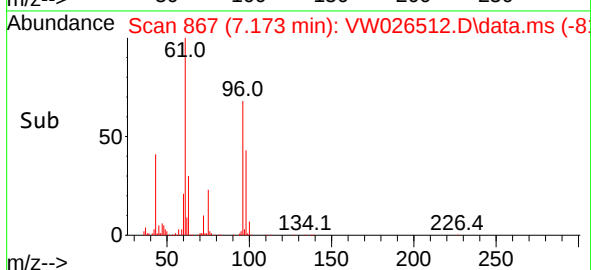
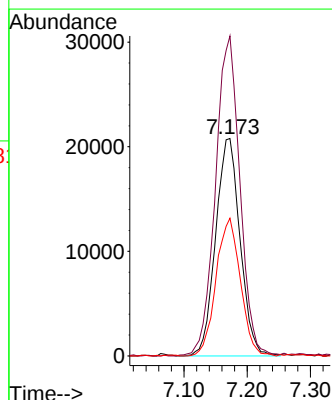
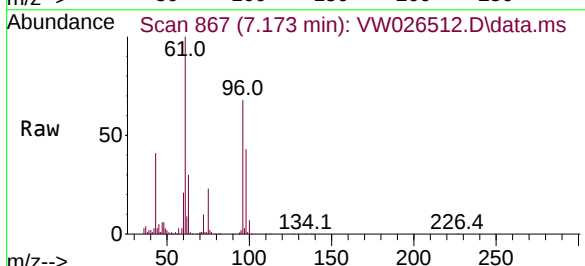
Tgt Ion: 96 Resp: 55816

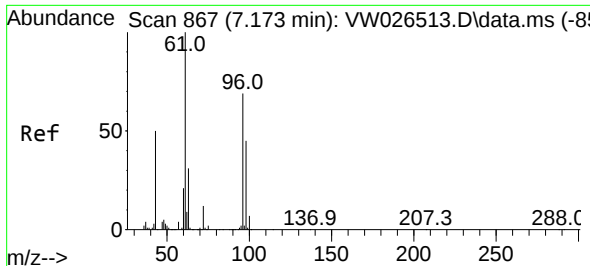
Ion Ratio Lower Upper

96 100

61 147.1 101.9 189.3

98 63.3 45.9 85.3

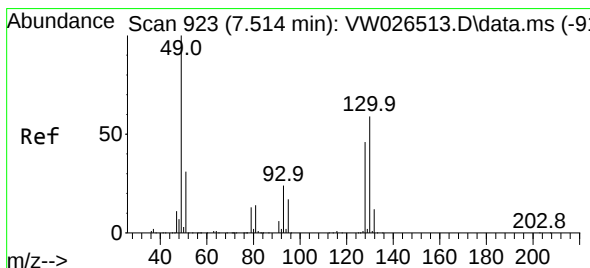
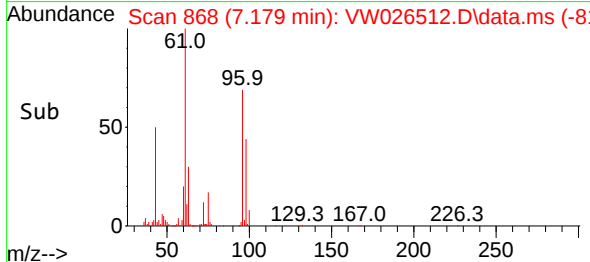
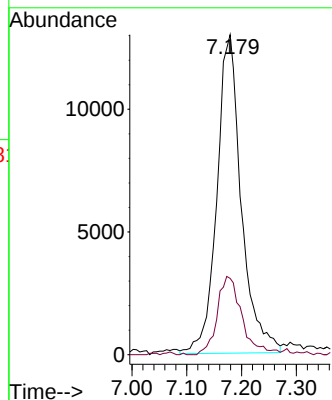
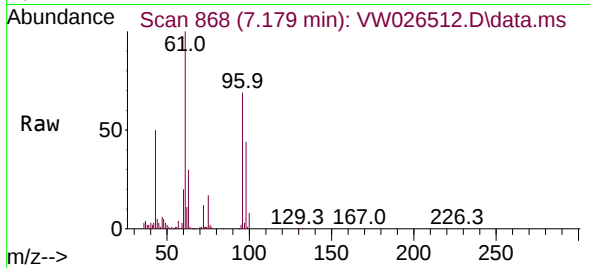




#22
2-Butanone
Concen: 8.948 ug/L
RT: 7.179 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

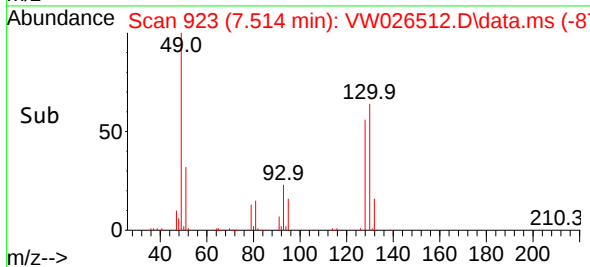
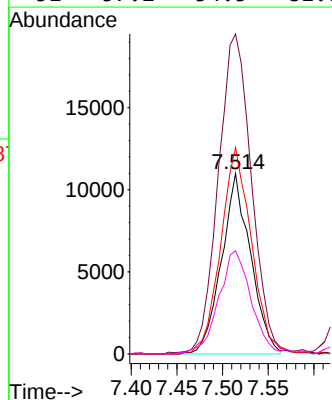
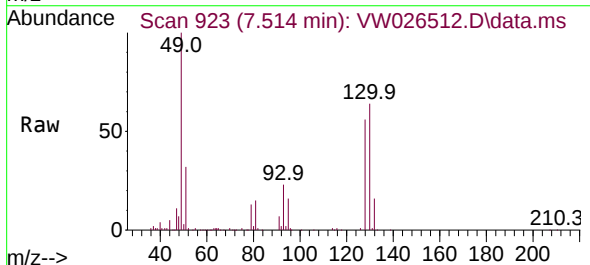
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

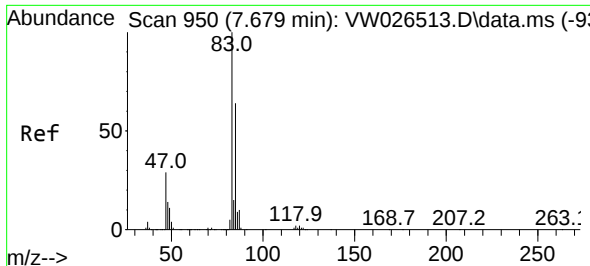
Tgt Ion: 43 Resp: 40274
Ion Ratio Lower Upper
43 100
72 23.7 12.0 36.1



#23
Bromochloromethane
Concen: 5.006 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 128 Resp: 24237
Ion Ratio Lower Upper
128 100
49 177.3 152.2 282.7
130 114.3 89.2 165.8
51 57.2 54.5 81.7

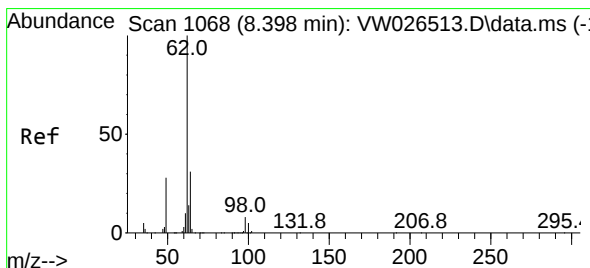
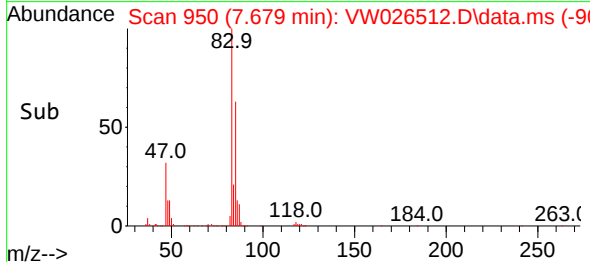
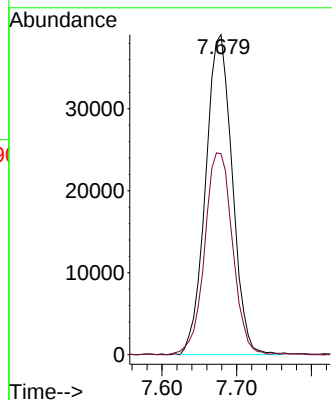
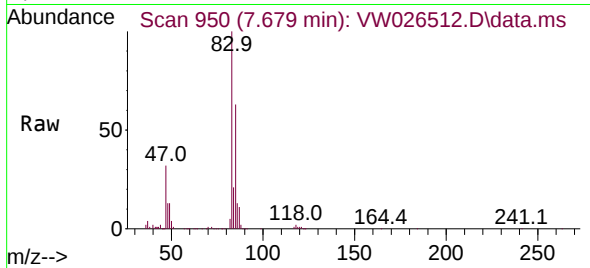




#25
Chloroform
Concen: 4.867 ug/L
RT: 7.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

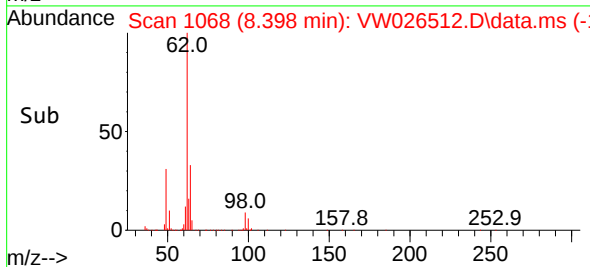
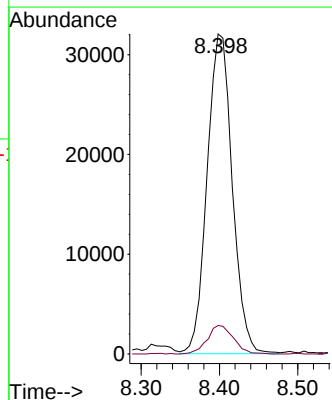
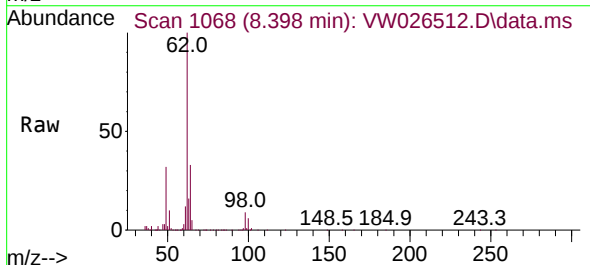
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

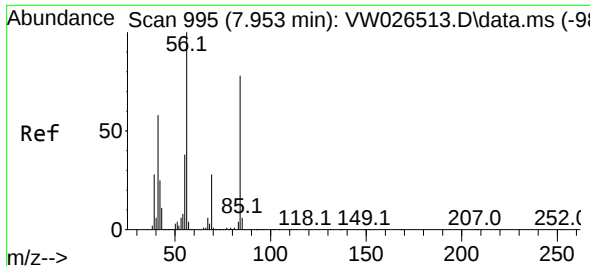
Tgt Ion: 83 Resp: 96983
Ion Ratio Lower Upper
83 100
85 62.8 44.8 83.2



#27
1,2-Dichloroethane
Concen: 4.936 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 62 Resp: 71648
Ion Ratio Lower Upper
62 100
98 8.9 6.8 10.2

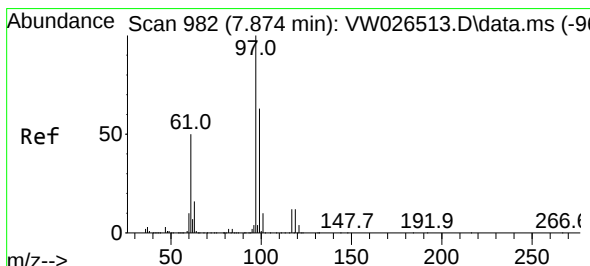
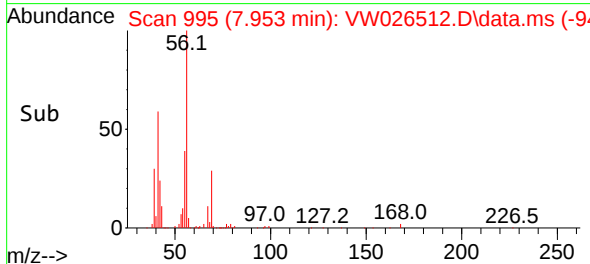
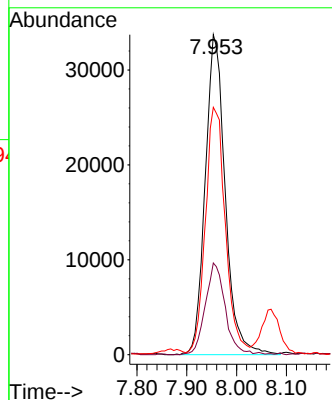
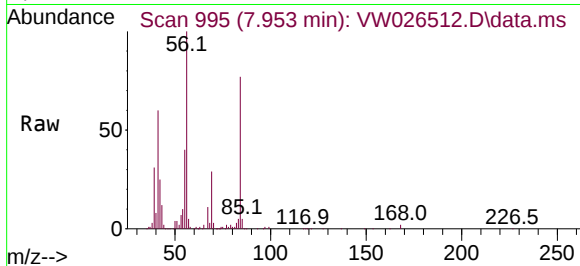




#29
Cyclohexane
Concen: 4.983 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

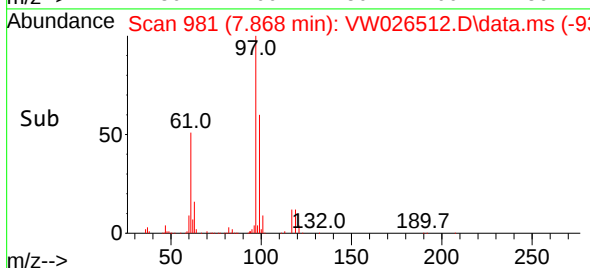
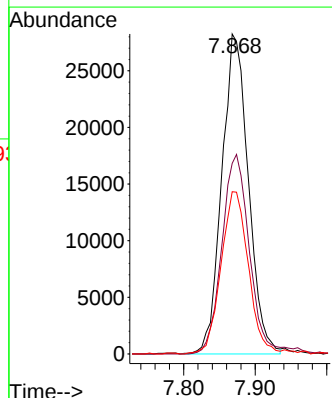
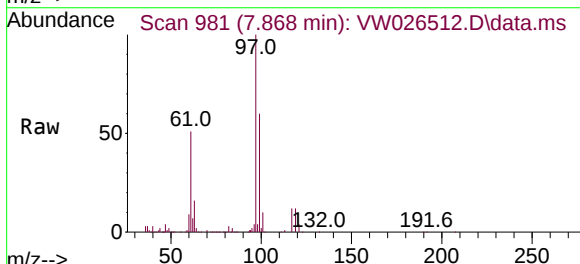
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

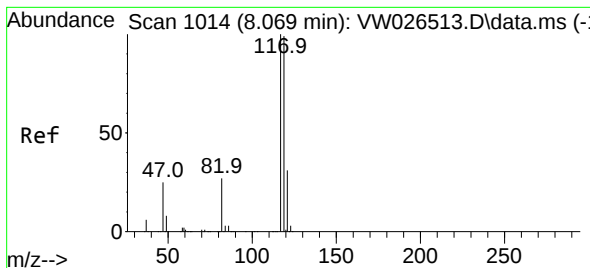
Tgt Ion: 56	Resp: 93969
Ion Ratio	Lower Upper
56 100	
69 28.0	22.9 34.3
84 77.5	62.5 93.7



#30
1,1,1-Trichloroethane
Concen: 4.882 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 97	Resp: 72879
Ion Ratio	Lower Upper
97 100	
99 64.7	52.2 78.2
61 52.0	40.2 60.2





#31

Carbon tetrachloride

Concen: 4.898 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

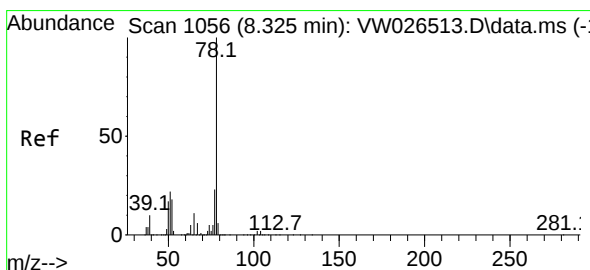
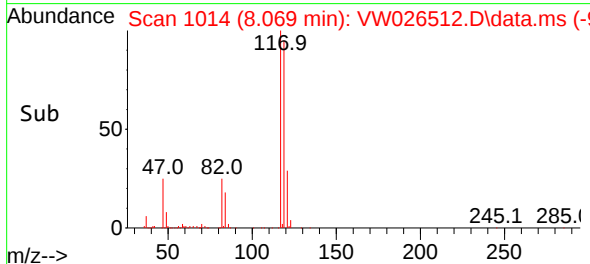
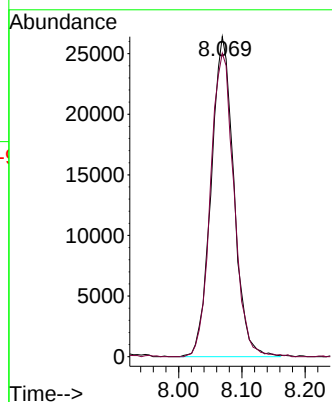
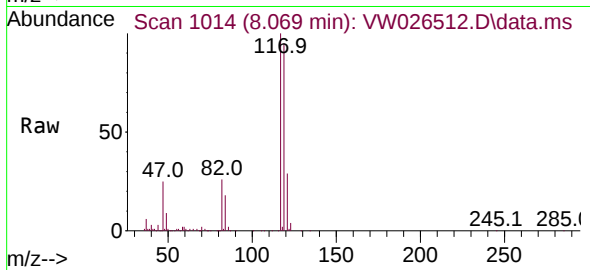
VSTD005479

Tgt Ion:117 Resp: 65742

Ion Ratio Lower Upper

117 100

119 97.9 76.3 114.5



#33

Benzene

Concen: 5.003 ug/L

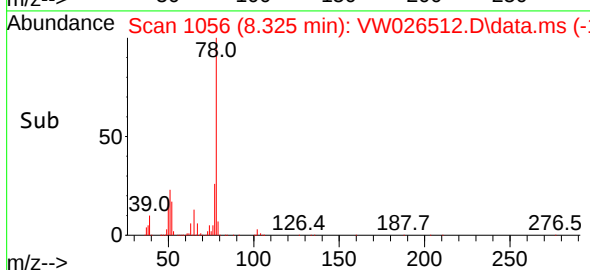
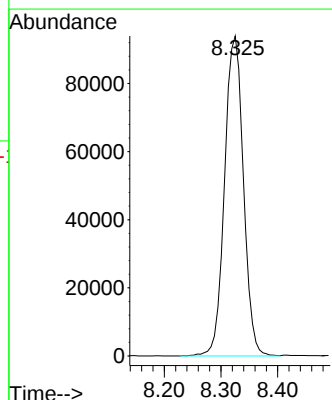
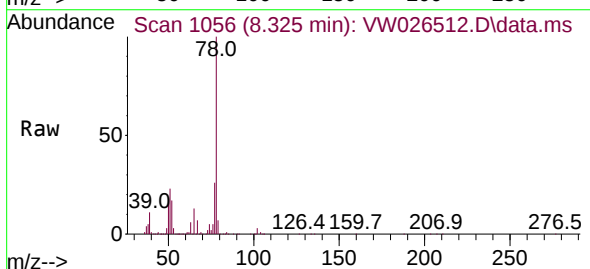
RT: 8.325 min Scan# 1056

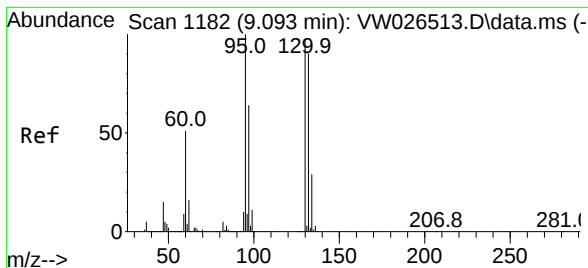
Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Tgt Ion: 78 Resp: 216746





#34

Trichloroethene

Concen: 5.030 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

Tgt Ion: 95 Resp: 55860

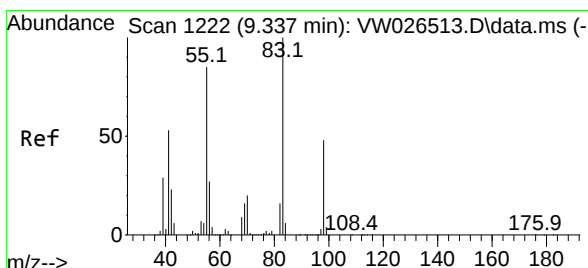
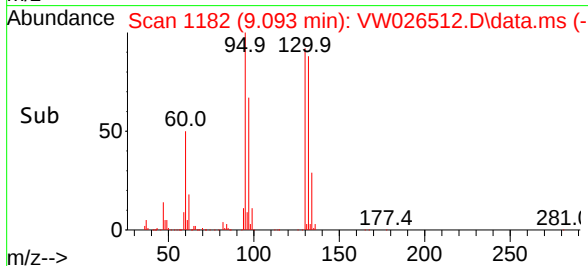
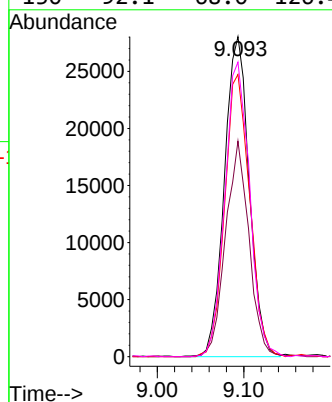
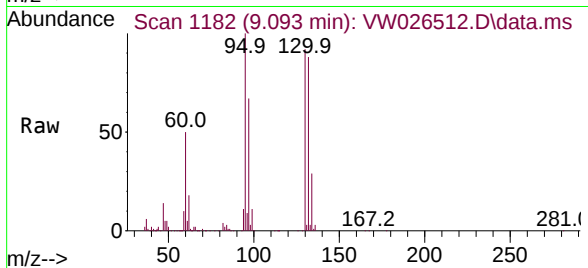
Ion Ratio Lower Upper

95 100

97 67.3 45.1 83.7

132 88.2 63.2 117.4

130 92.1 68.0 126.4



#35

Methylcyclohexane

Concen: 4.995 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

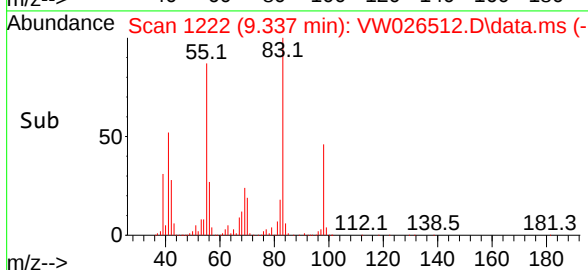
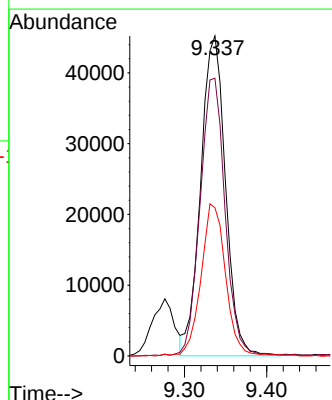
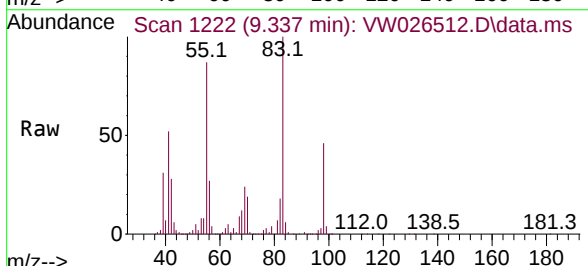
Tgt Ion: 83 Resp: 94840

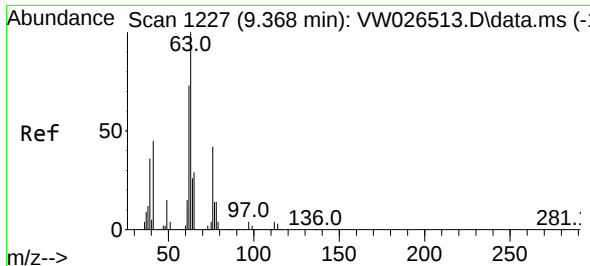
Ion Ratio Lower Upper

83 100

55 87.1 67.5 101.3

98 46.9 37.3 55.9





#37

1,2-Dichloropropane

Concen: 5.021 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

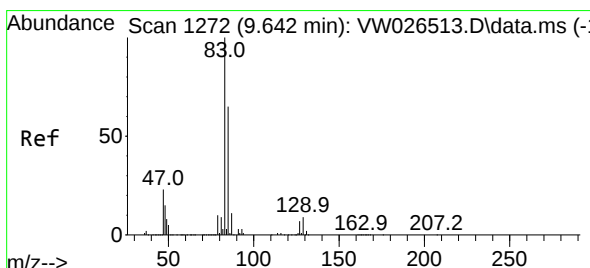
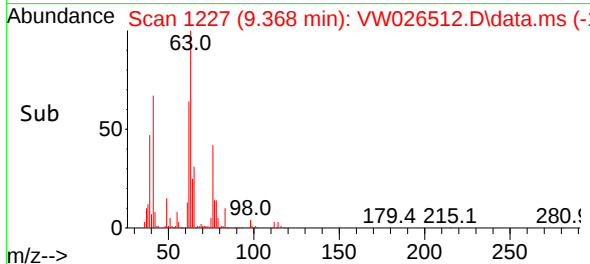
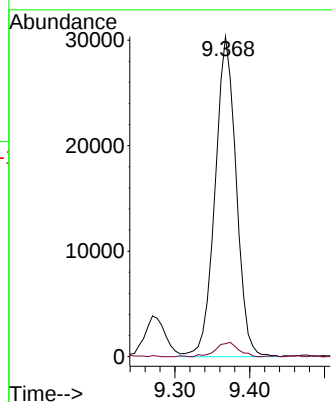
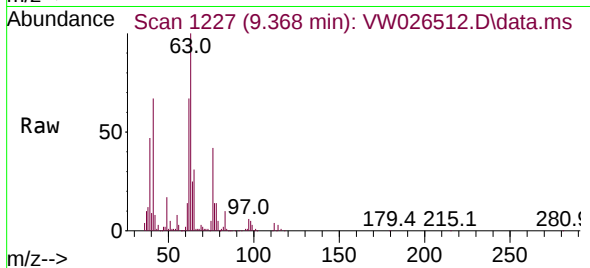
VSTD005479

Tgt Ion: 63 Resp: 59653

Ion Ratio Lower Upper

63 100

112 4.6 3.3 4.9



#38

Bromodichloromethane

Concen: 4.874 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

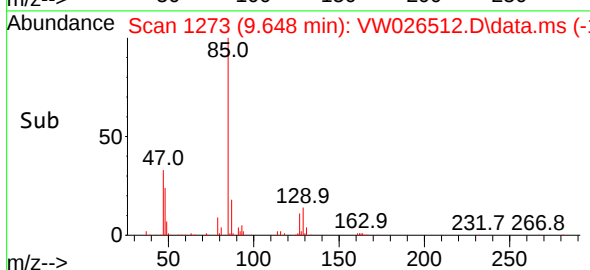
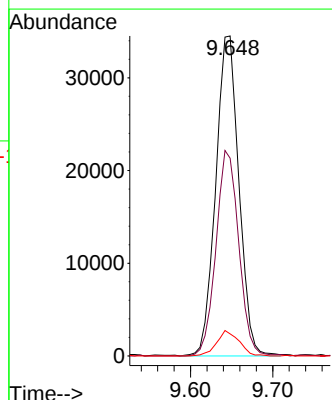
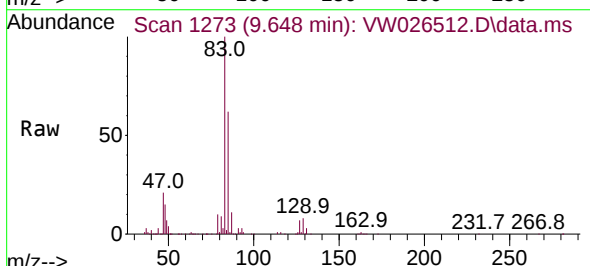
Tgt Ion: 83 Resp: 67706

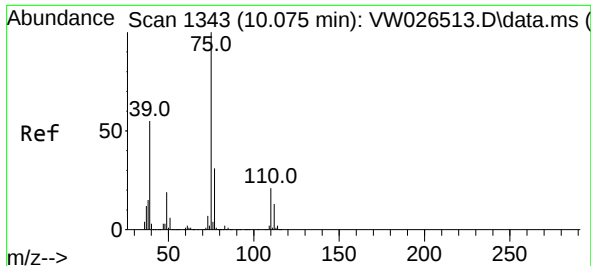
Ion Ratio Lower Upper

83 100

85 61.8 45.4 84.2

127 6.9 5.2 7.8

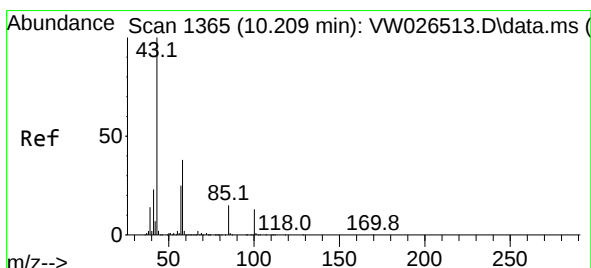
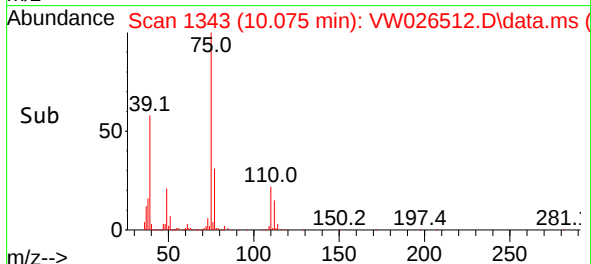
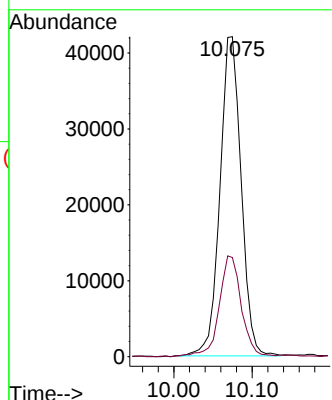
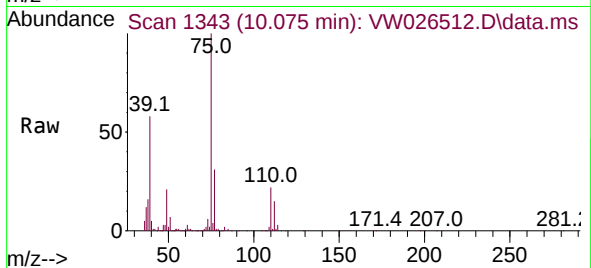




#39
 cis-1,3-Dichloropropene
 Concen: 4.561 ug/L
 RT: 10.075 min Scan# 1343
 Delta R.T. -0.000 min
 Lab File: VW026512.D
 Acq: 03 Jul 2023 16:42

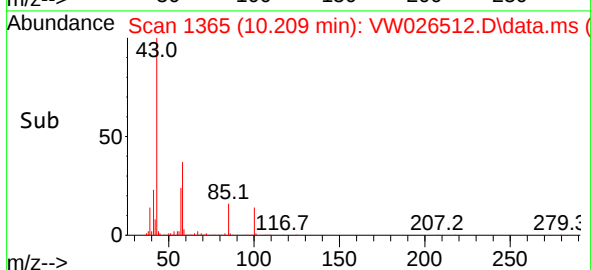
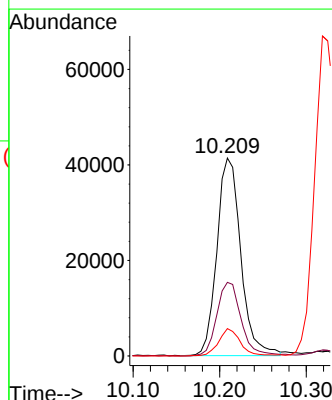
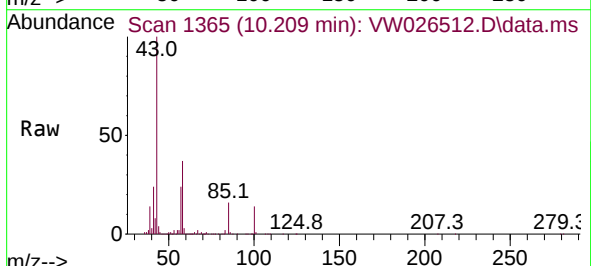
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005479

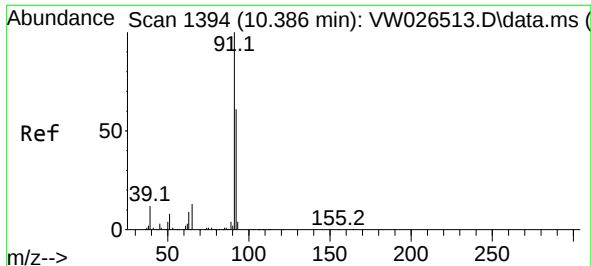
Tgt Ion: 75 Resp: 79220
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 8.856 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. -0.000 min
 Lab File: VW026512.D
 Acq: 03 Jul 2023 16:42

Tgt Ion: 43 Resp: 79524
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.8 44.8
 100 12.8 10.6 15.8

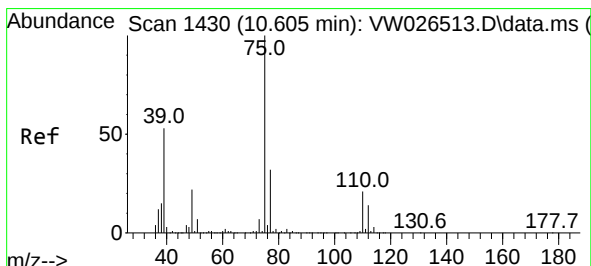
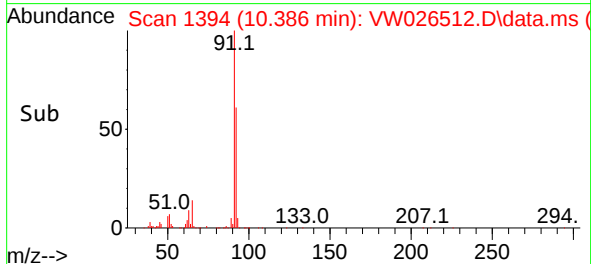
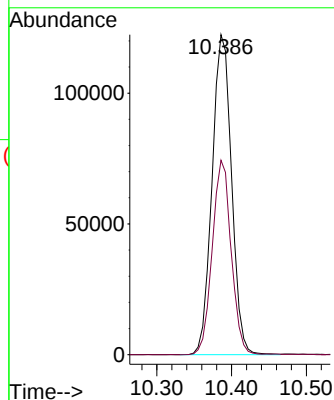
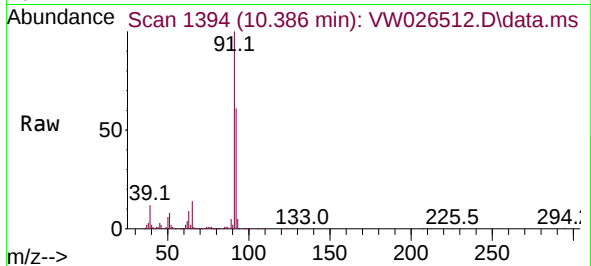




#42
Toluene
Concen: 5.026 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

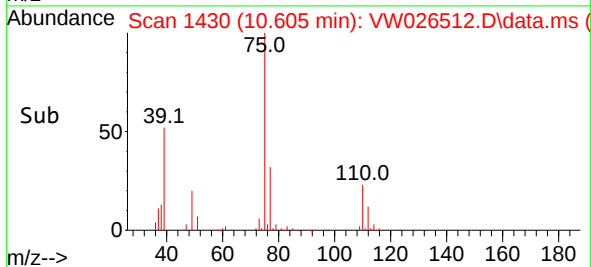
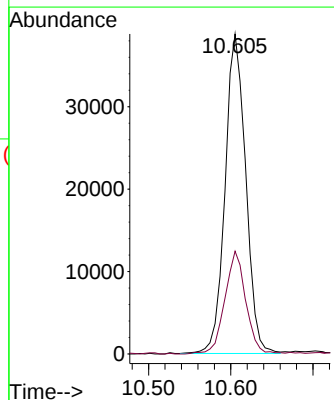
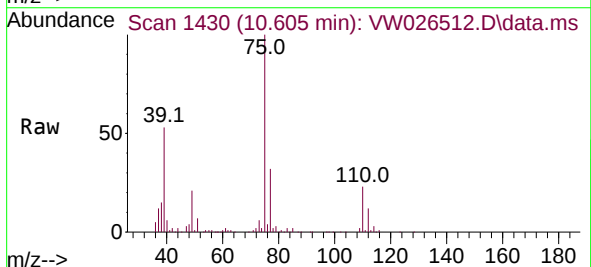
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

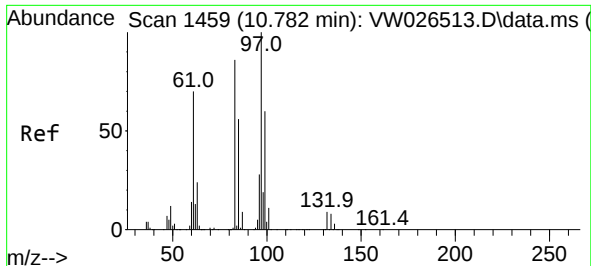
Tgt Ion: 91 Resp: 221972
Ion Ratio Lower Upper
91 100
92 60.7 42.4 78.8



#44
trans-1,3-Dichloropropene
Concen: 4.627 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 75 Resp: 67612
Ion Ratio Lower Upper
75 100
77 32.1 22.6 42.0

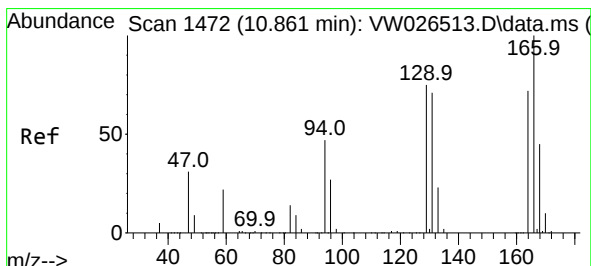
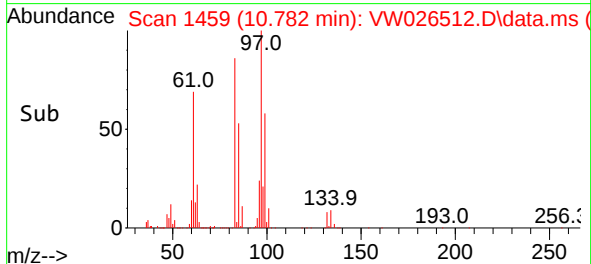
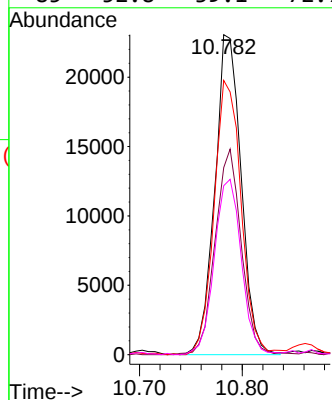
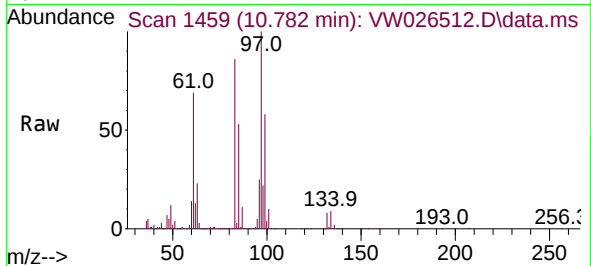




#45
1,1,2-Trichloroethane
Concen: 4.971 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

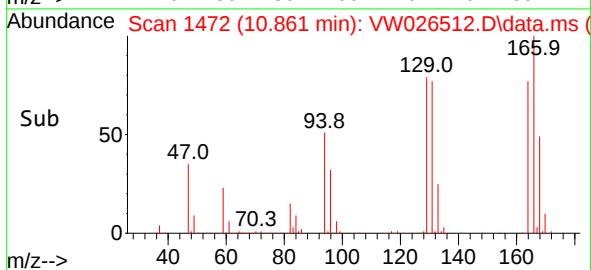
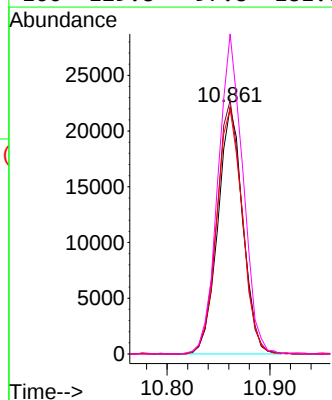
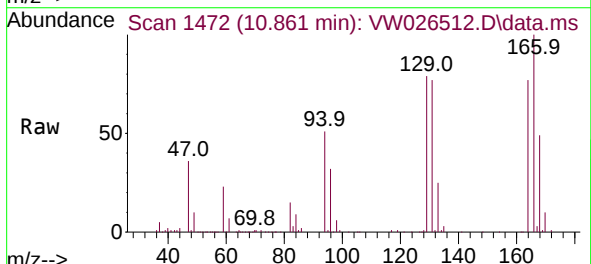
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

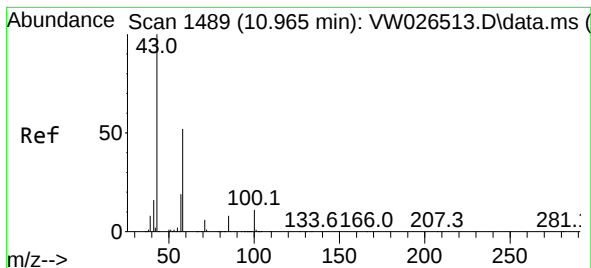
Tgt Ion: 97	Resp: 40971
Ion Ratio	Lower Upper
97 100	
99 58.4	42.1 78.1
83 85.7	59.9 111.3
85 52.8	39.1 72.7



#46
Tetrachloroethene
Concen: 4.984 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt	Ion:164	Resp:	37267
Ion	Ratio	Lower	Upper
164	100		
129	102.9	73.0	135.6
131	99.5	69.2	128.6
166	129.8	97.8	181.6





#48

2-Hexanone

Concen: 8.871 ug/L

RT: 10.971 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

Tgt Ion: 43 Resp: 53772

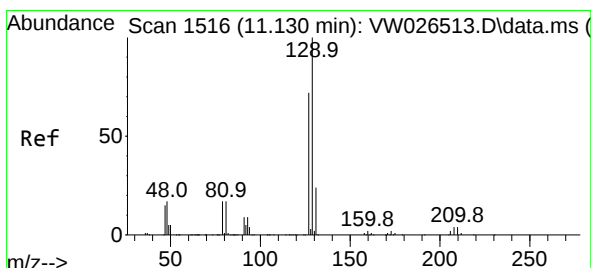
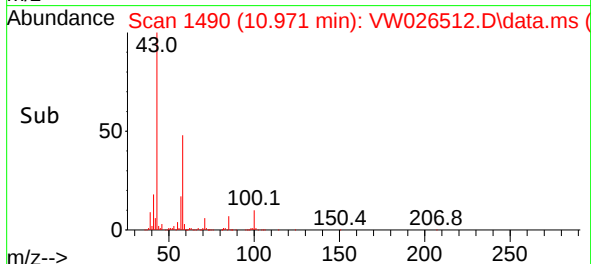
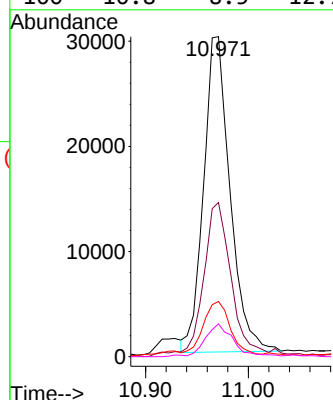
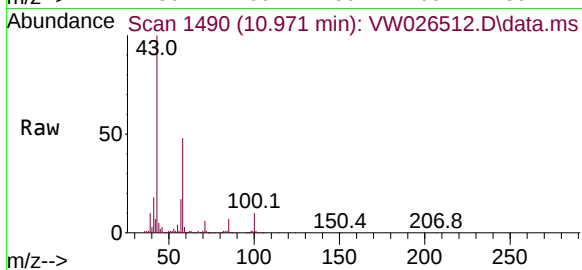
Ion Ratio Lower Upper

43 100

58 50.0 39.9 59.9

57 18.2 14.1 21.1

100 10.8 8.5 12.7



#49

Dibromochloromethane

Concen: 4.690 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW026512.D

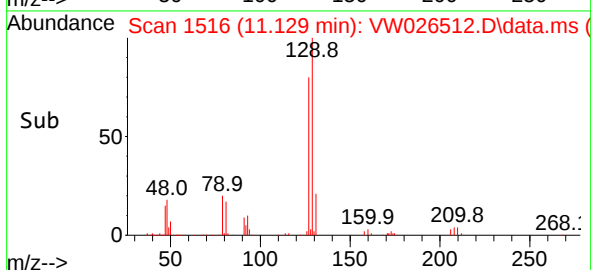
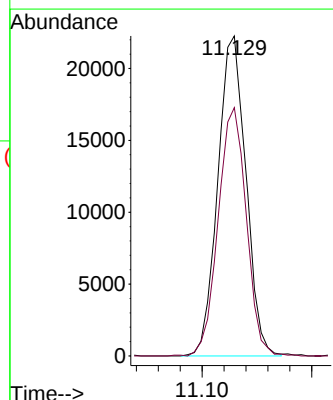
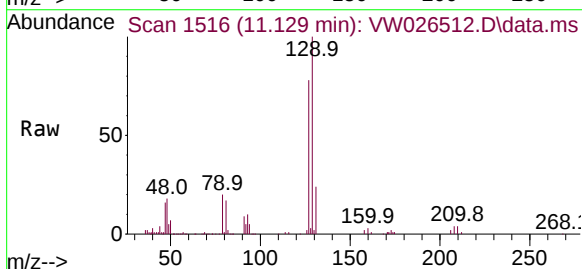
Acq: 03 Jul 2023 16:42

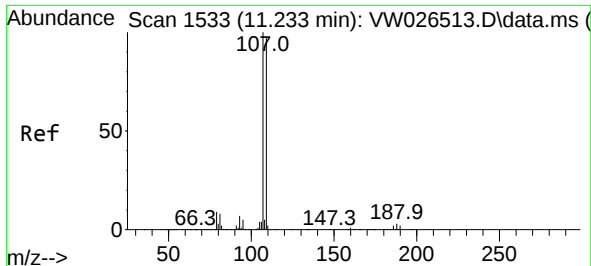
Tgt Ion:129 Resp: 39650

Ion Ratio Lower Upper

129 100

127 77.6 50.0 93.0





#50

1,2-Dibromoethane

Concen: 4.939 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

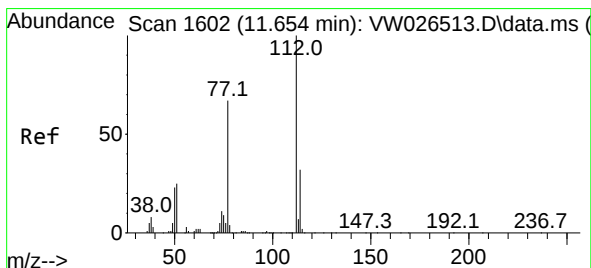
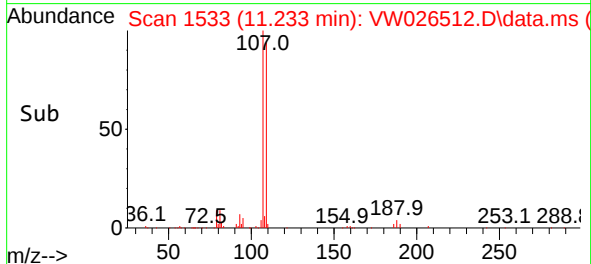
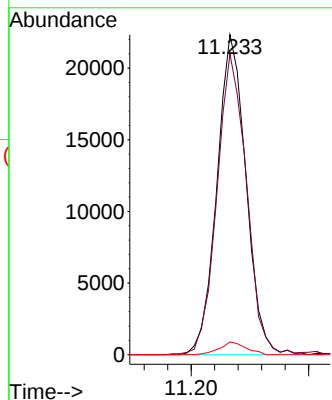
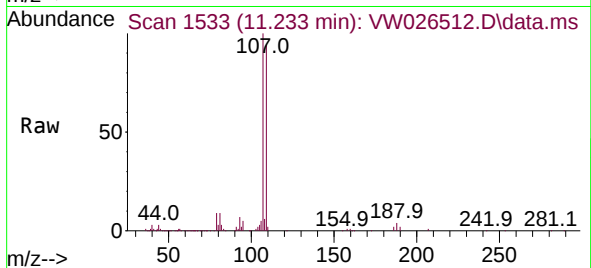
Tgt Ion:107 Resp: 38185

Ion Ratio Lower Upper

107 100

109 94.0 67.7 125.7

188 4.0 2.7 4.1



#51

Chlorobenzene

Concen: 5.076 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

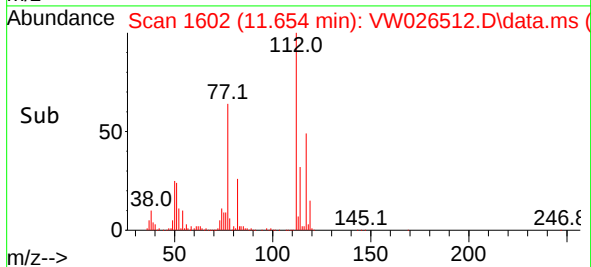
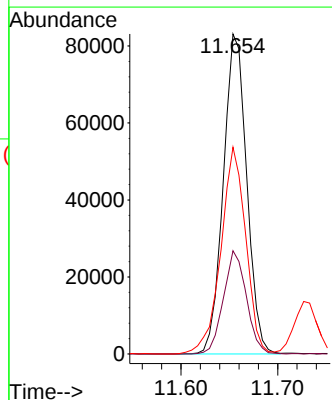
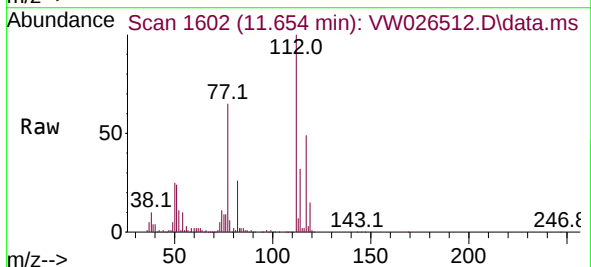
Tgt Ion:112 Resp: 139625

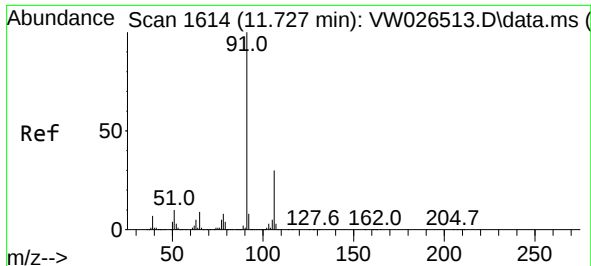
Ion Ratio Lower Upper

112 100

114 32.2 22.2 41.2

77 64.6 53.4 80.2

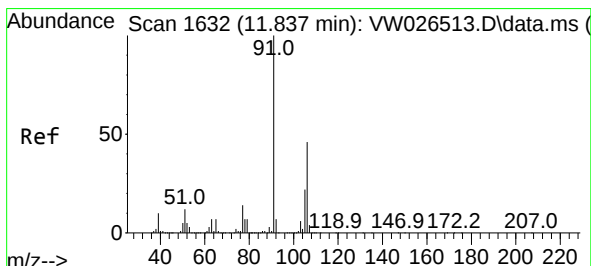
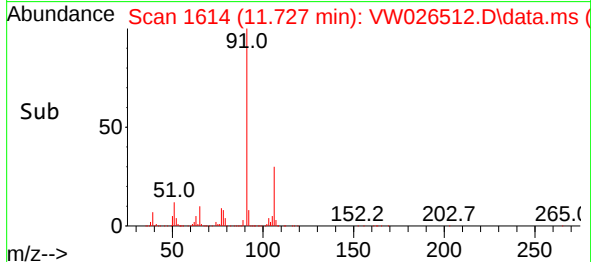
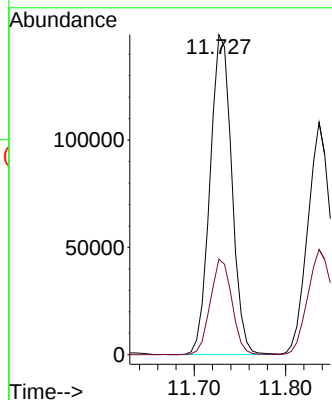
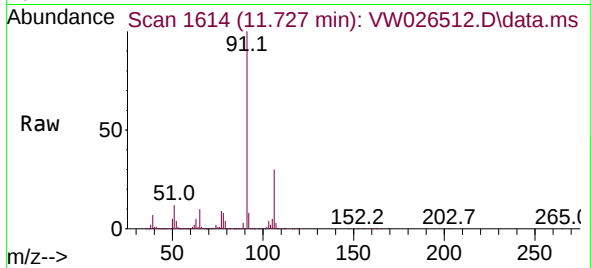




#52
Ethylbenzene
Concen: 4.933 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

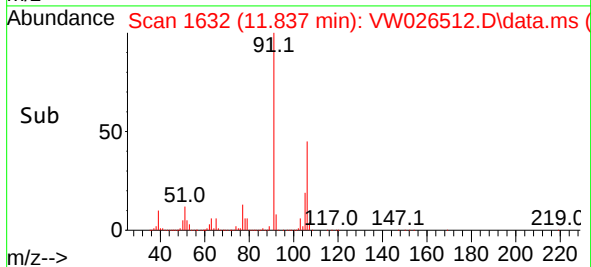
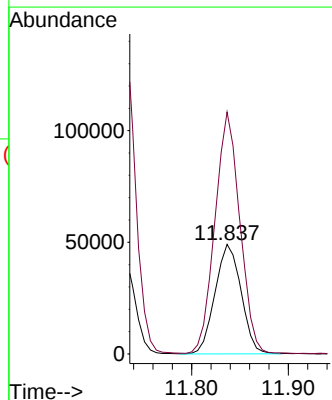
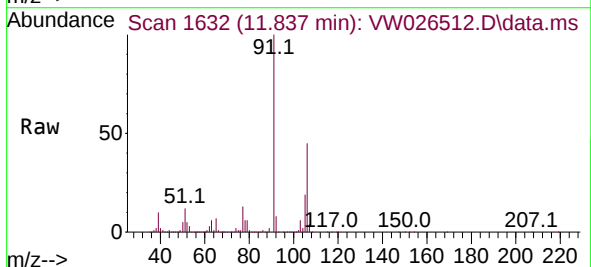
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

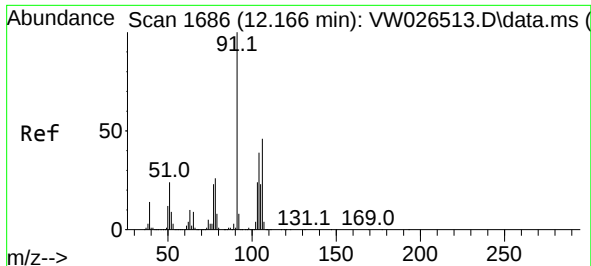
Tgt Ion: 91 Resp: 246451
Ion Ratio Lower Upper
91 100
106 29.9 20.7 38.5



#53
m,p-Xylene
Concen: 4.973 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion: 106 Resp: 91733
Ion Ratio Lower Upper
106 100
91 220.7 152.7 283.7

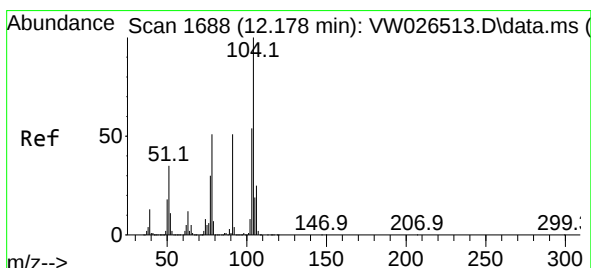
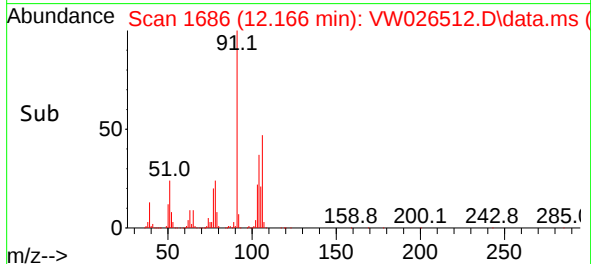
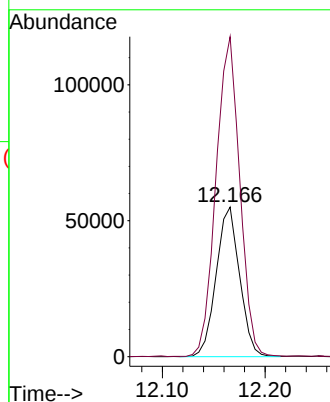
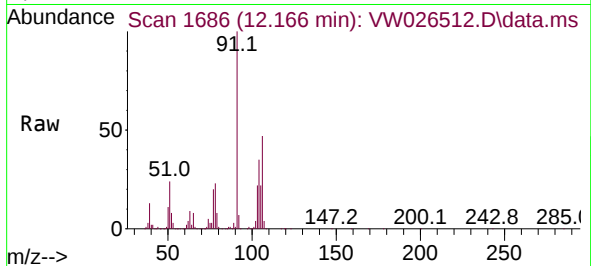




#54
o-Xylene
Concen: 4.946 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

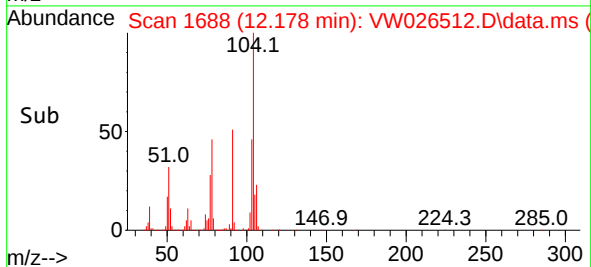
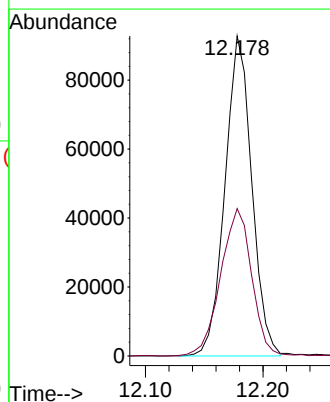
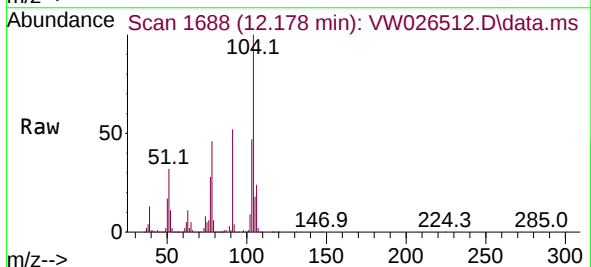
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

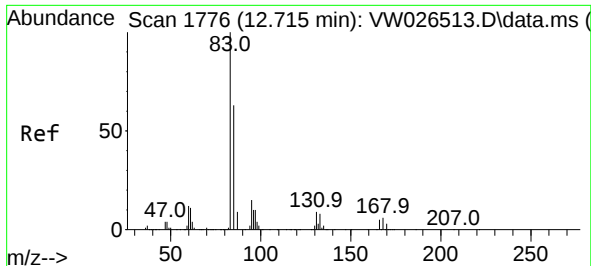
Tgt Ion:106 Resp: 87043
Ion Ratio Lower Upper
106 100
91 214.0 151.8 282.0



#55
Styrene
Concen: 4.906 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion:104 Resp: 147033
Ion Ratio Lower Upper
104 100
78 46.0 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.788 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

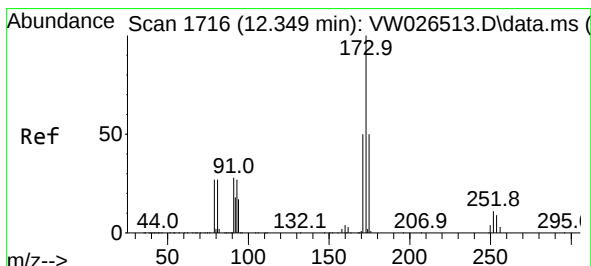
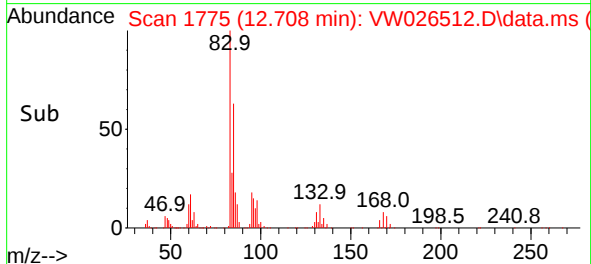
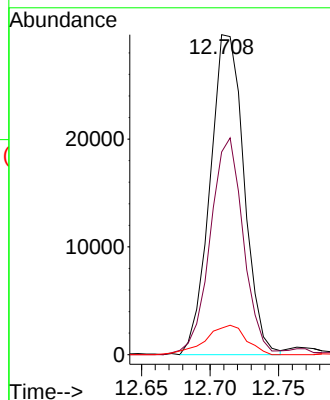
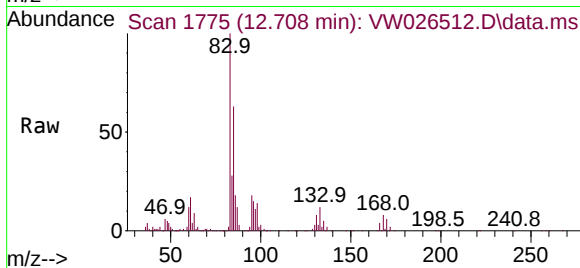
Tgt Ion: 83 Resp: 51189

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.5

131 8.3 7.2 10.8



#59

Bromoform

Concen: 4.545 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

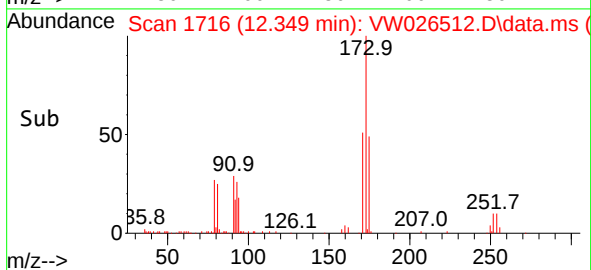
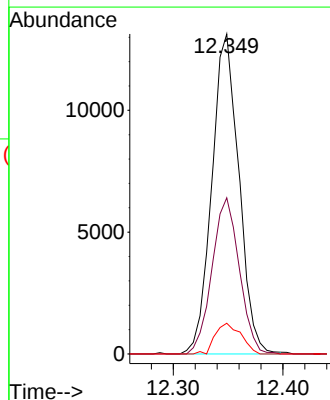
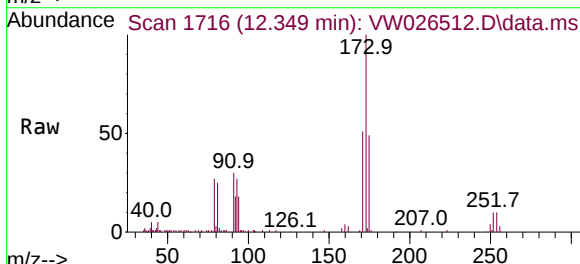
Tgt Ion:173 Resp: 22513

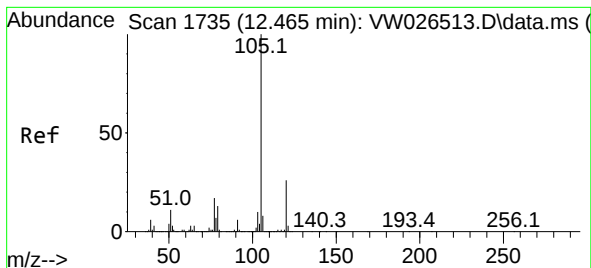
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.4

254 9.0 7.0 10.6





#60

Isopropylbenzene

Concen: 4.819 ug/L

RT: 12.465 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

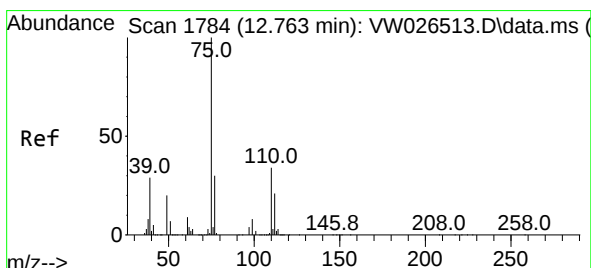
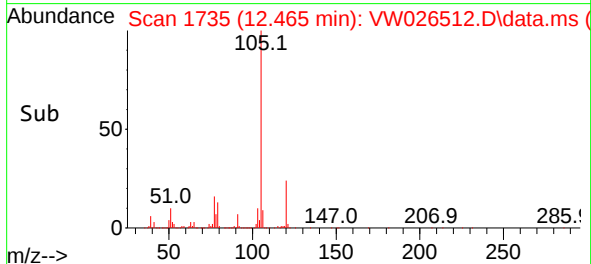
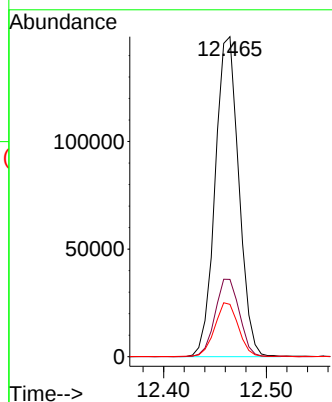
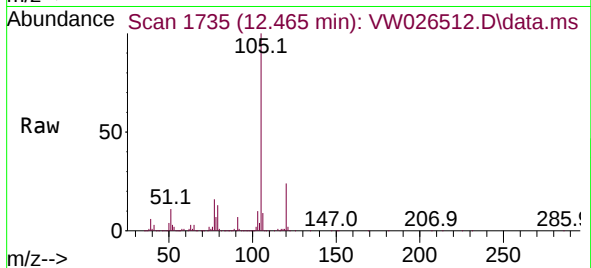
Tgt Ion:105 Resp: 237607

Ion Ratio Lower Upper

105 100

120 24.9 20.3 30.5

77 16.9 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 4.736 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

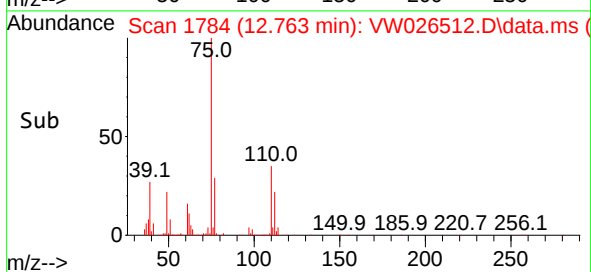
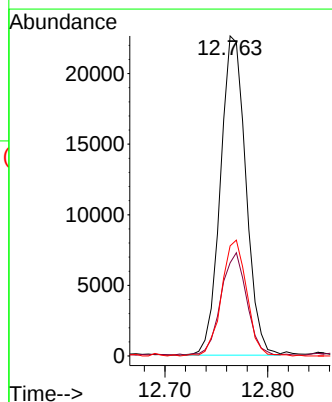
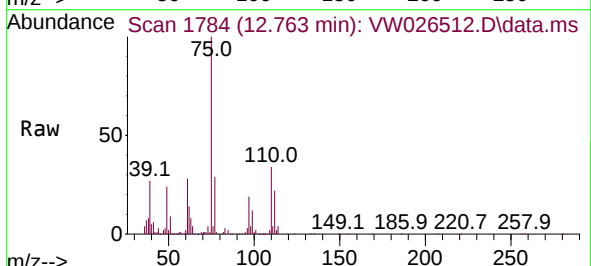
Tgt Ion: 75 Resp: 38885

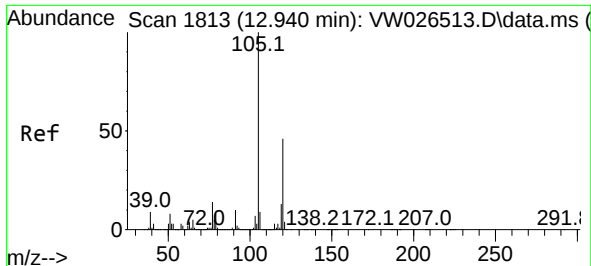
Ion Ratio Lower Upper

75 100

77 33.1 25.1 37.7

110 35.5 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 4.750 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

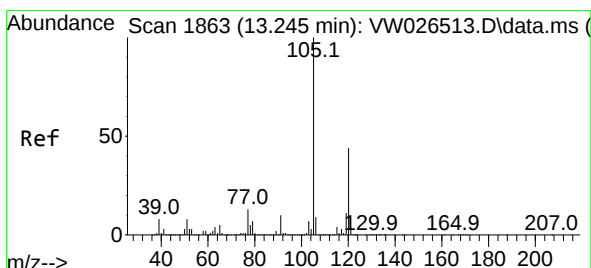
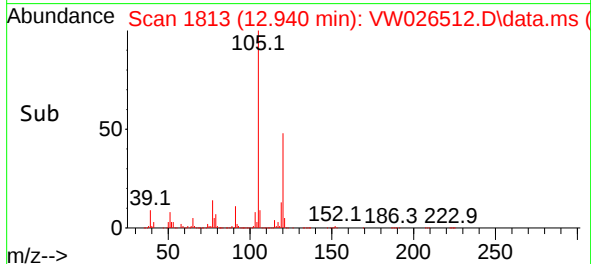
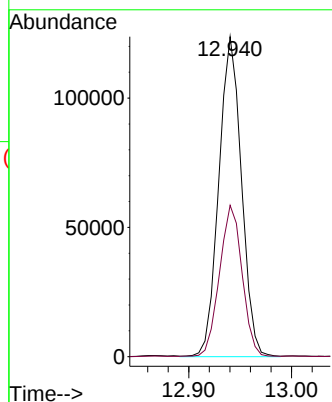
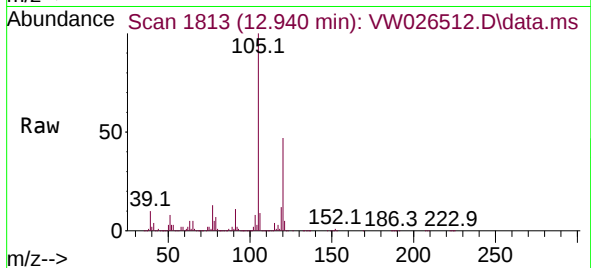
VSTD005479

Tgt Ion:105 Resp: 189081

Ion Ratio Lower Upper

105 100

120 47.2 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 4.528 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026512.D

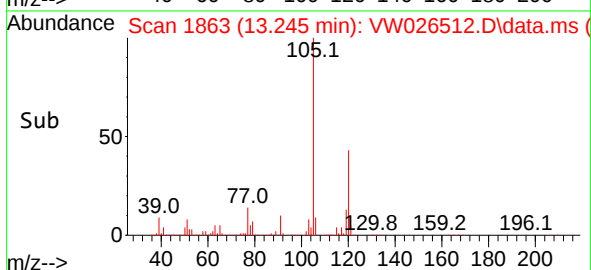
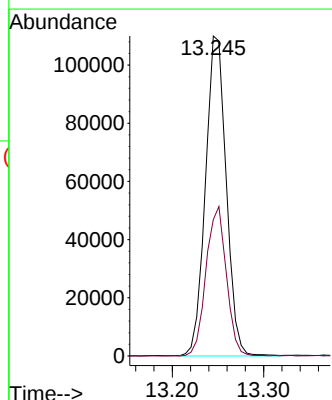
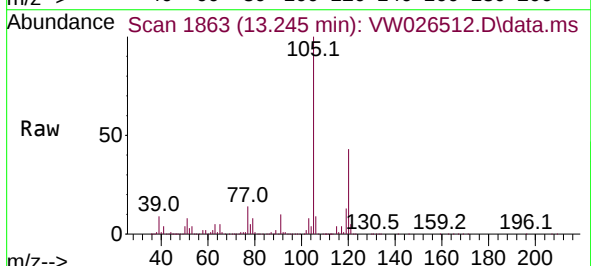
Acq: 03 Jul 2023 16:42

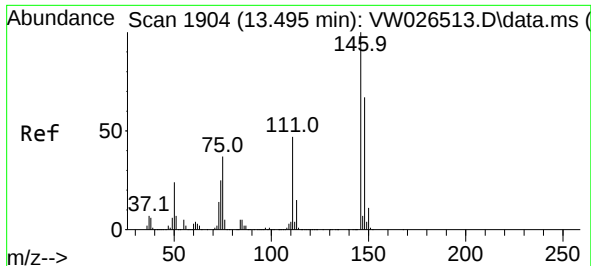
Tgt Ion:105 Resp: 173836

Ion Ratio Lower Upper

105 100

120 45.6 35.5 53.3

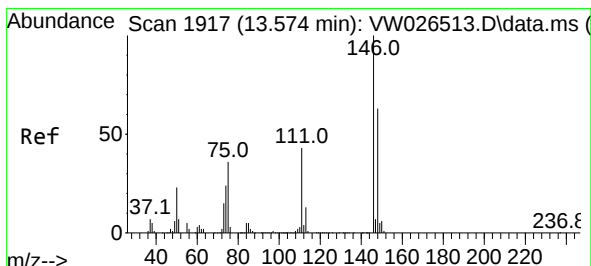
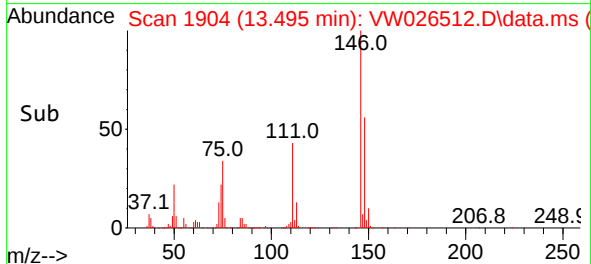
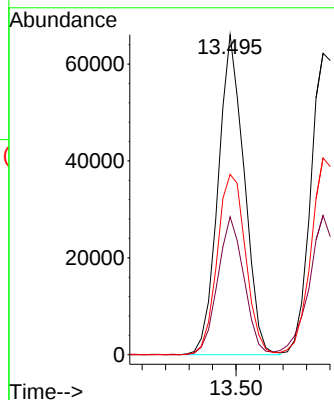
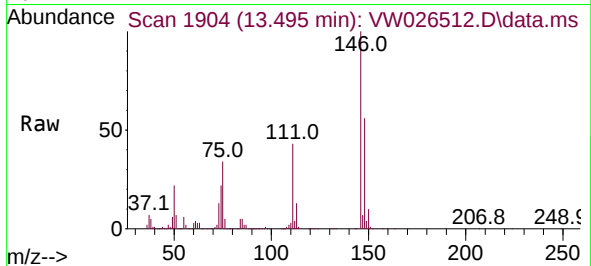




#64
1,3-Dichlorobenzene
Concen: 4.925 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

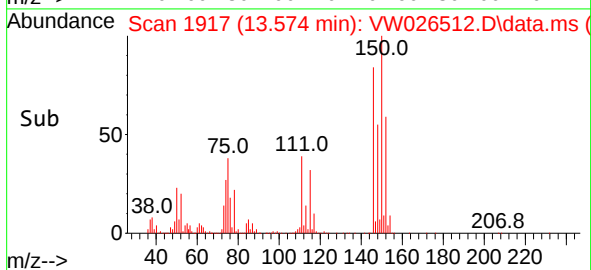
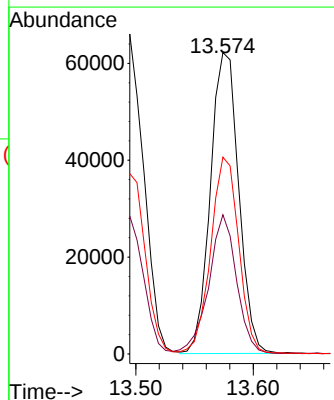
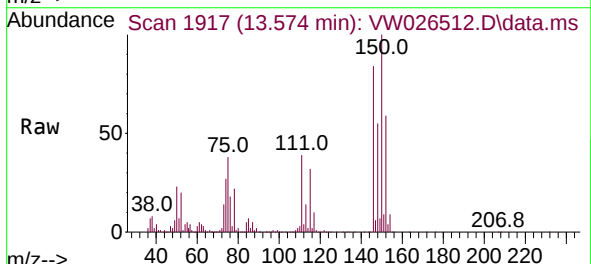
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

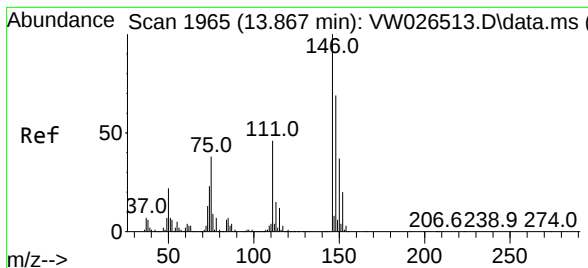
Tgt Ion:146 Resp: 101730
Ion Ratio Lower Upper
146 100
111 43.1 32.7 60.7
148 56.4 47.0 87.2



#65
1,4-Dichlorobenzene
Concen: 5.003 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion:146 Resp: 103819
Ion Ratio Lower Upper
146 100
111 46.2 30.2 56.0
148 65.3 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 4.861 ug/L

RT: 13.873 min Scan# 1965

Delta R.T. 0.006 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

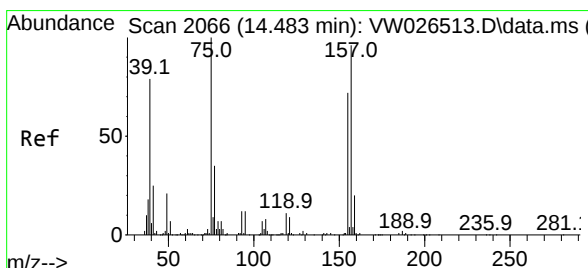
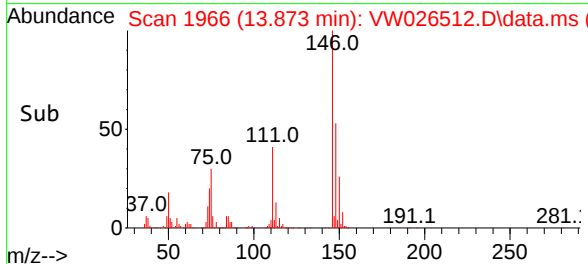
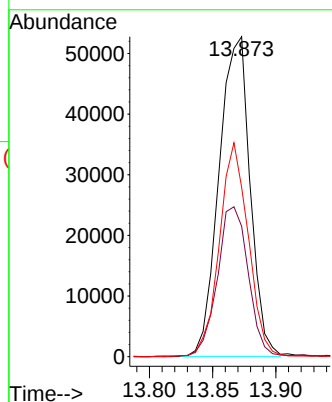
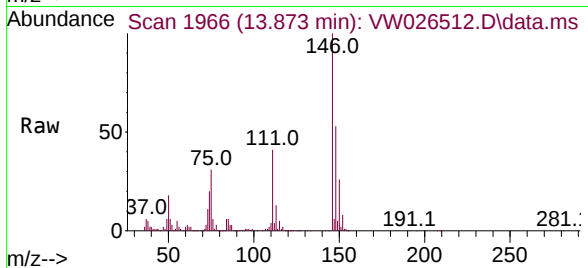
Tgt Ion:146 Resp: 89837

Ion Ratio Lower Upper

146 100

111 40.8 36.6 55.0

148 52.9 55.1 82.7#



#68

1,2-Dibromo-3-chloropropane

Concen: 4.316 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

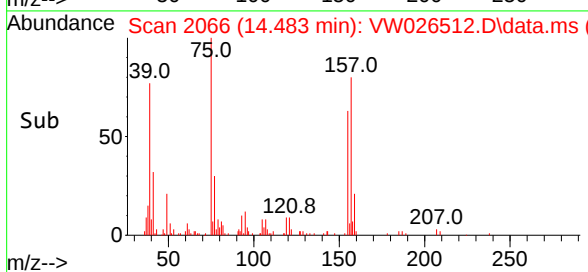
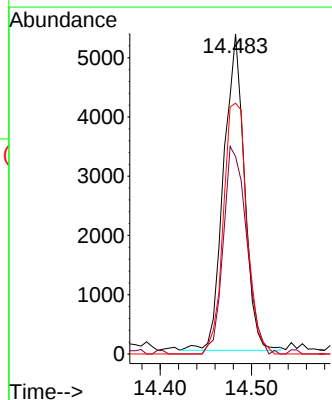
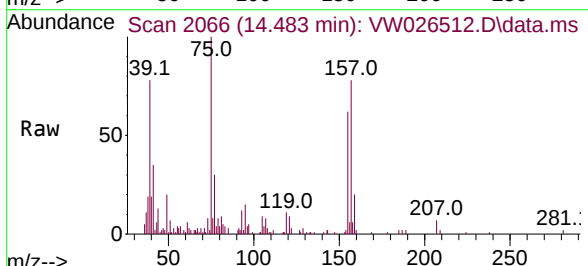
Tgt Ion: 75 Resp: 8479

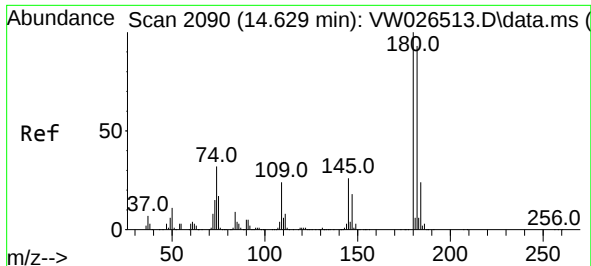
Ion Ratio Lower Upper

75 100

155 61.7 57.3 85.9

157 78.4 76.9 115.3

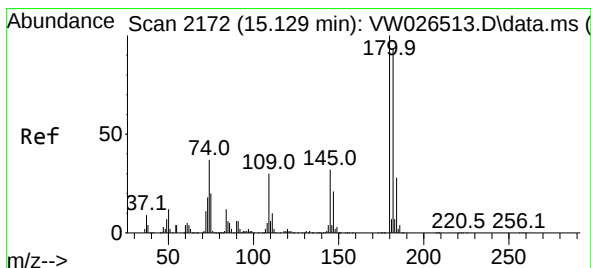
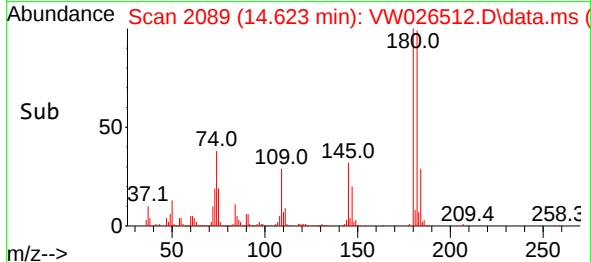
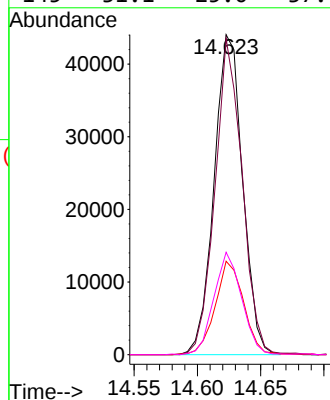
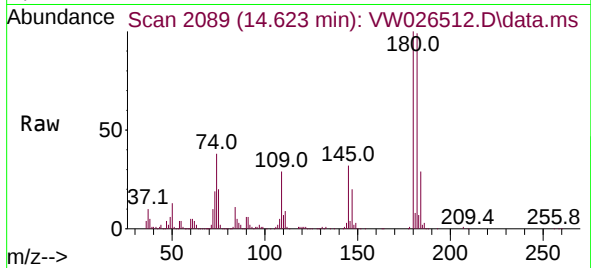




#69
1,3,5-Trichlorobenzene
Concen: 5.047 ug/L
RT: 14.623 min Scan# 2090
Delta R.T. -0.006 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

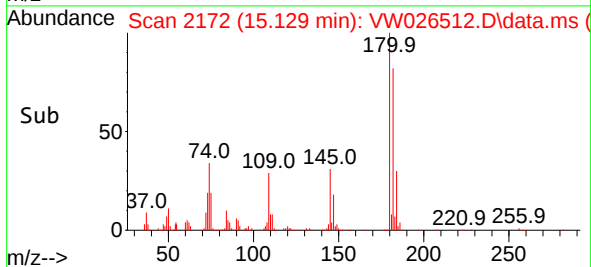
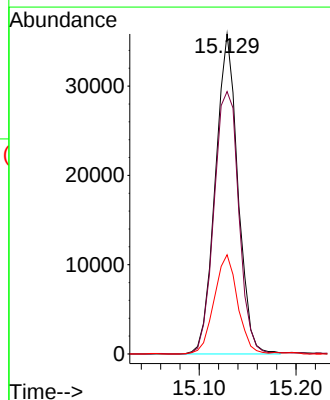
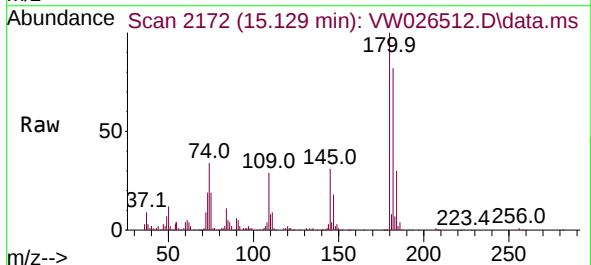
Instrument :
MSVOA_W
ClientSampleId :
VSTD005479

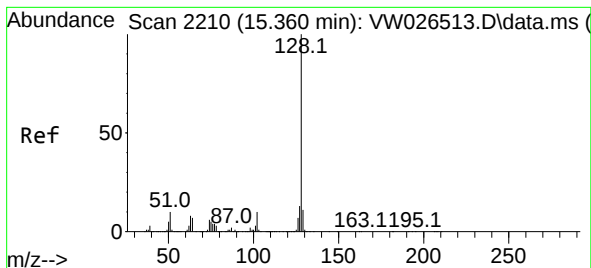
Tgt Ion:180	Resp:	68988
Ion Ratio	Lower	Upper
180	100	
182	94.0	75.5 113.3
184	29.1	23.8 35.8
145	31.1	25.0 37.4



#70
1,2,4-trichlorobenzene
Concen: 4.922 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW026512.D
Acq: 03 Jul 2023 16:42

Tgt Ion:180	Resp:	57987
Ion Ratio	Lower	Upper
180	100	
182	90.2	74.5 111.7
145	32.2	25.9 38.9





#71

Naphthalene

Concen: 4.285 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD005479

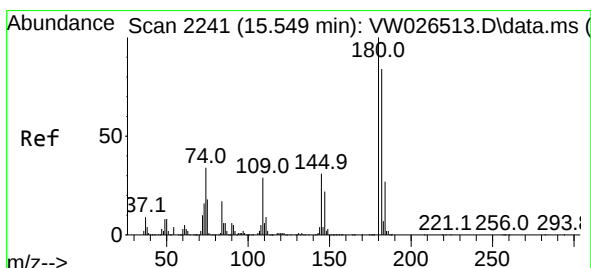
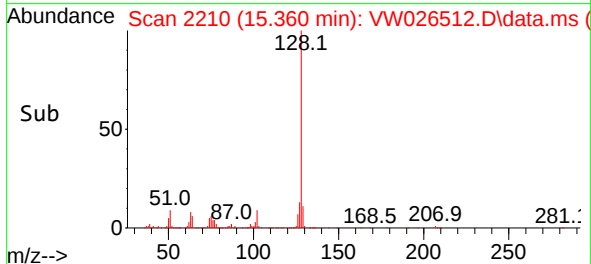
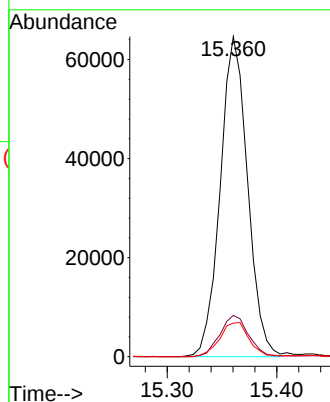
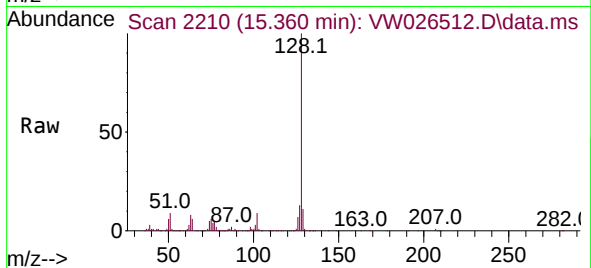
Tgt Ion:128 Resp: 112031

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

129 11.5 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 4.824 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026512.D

Acq: 03 Jul 2023 16:42

Tgt Ion:180 Resp: 50682

Ion Ratio Lower Upper

180 100

182 94.1 75.3 112.9

145 34.7 29.0 43.6

