

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071123\
 Data File : VW026587.D
 Acq On : 11 Jul 2023 10:10
 Operator : SY/MD
 Sample : VSTD10018
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100418

Quant Time: Jul 12 06:34:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 12 06:31:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	550778	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	484880	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	235522	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	865940	93.207	ug/L	0.00
7) Chloroethane-d5	2.893	69	615936	94.481	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.021	65	411054	94.214	ug/L	0.00
21) 2-Butanone-d5	7.075	46	682905	228.374	ug/L	0.00
24) Chloroform-d	7.648	84	1503115	94.791	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	821767	92.814	ug/L	0.00
32) Benzene-d6	8.276	84	3138450	94.288	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	968163	94.594	ug/L	0.00
41) Toluene-d8	10.325	98	2763346	96.793	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	418226	101.940	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	497475	249.096	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	853332	98.455	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	812126	93.917	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	625298	97.619	ug/L	94
3) Chloromethane	2.229	50	897063	101.053	ug/L	100
5) Vinyl chloride	2.375	62	909932	97.261	ug/L	98
6) Bromomethane	2.783	94	476944	95.899	ug/L	99
8) Chloroethane	2.930	64	516327	98.699	ug/L	99
9) Trichlorofluoromethane	3.265	101	742275	107.119	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	768231	100.853	ug/L	98
12) 1,1-Dichloroethene	4.045	96	753751	102.156	ug/L	87
13) Acetone	4.119	43	465090	215.340	ug/L	97
14) Carbon disulfide	4.393	76	2599518	100.503	ug/L	98
15) Methyl Acetate	4.667	43	556906	108.288	ug/L	99
16) Methylene chloride	4.923	84	733300	75.617	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	801216	101.560	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	1290703	104.536	ug/L	100
19) 1,1-Dichloroethane	6.222	63	1559976	98.902	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	836460	102.391	ug/L	96
22) 2-Butanone	7.167	43	757542	230.531	ug/L	99
23) Bromochloromethane	7.514	128	343254	98.093	ug/L	94
25) Chloroform	7.679	83	1410539	97.604	ug/L	97
27) 1,2-Dichloroethane	8.398	62	991077	97.417	ug/L	97
29) Cyclohexane	7.953	56	1650850	109.350	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	1176034	98.956	ug/L	98
31) Carbon tetrachloride	8.069	117	1073875	99.544	ug/L	99
33) Benzene	8.325	78	3280449	98.188	ug/L	100
34) Trichloroethene	9.093	95	854691	99.592	ug/L	98
35) Methylcyclohexane	9.337	83	1634246	106.053	ug/L	99
37) 1,2-Dichloropropane	9.368	63	857818	96.685	ug/L	100
38) Bromodichloromethane	9.642	83	1001396	99.343	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	1376310	107.747	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	1530075	228.485	ug/L	99
42) Toluene	10.386	91	3385452	100.342	ug/L	94
44) trans-1,3-Dichloropropene	10.605	75	1166149	108.247	ug/L	98

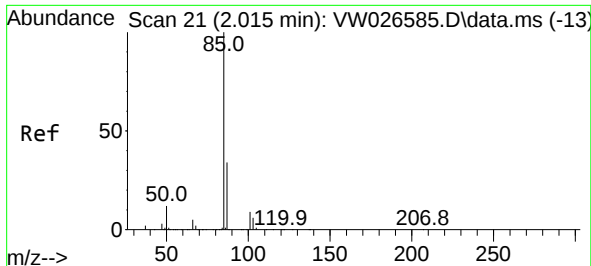
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071123\
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 Quant Title : SFAM01.0
 QLast Update : Wed Jul 12 06:31:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.782	97	611439	98.736	ug/L	98
46) Tetrachloroethene	10.861	164	609284	100.005	ug/L	92
48) 2-Hexanone	10.965	43	1100073	235.388	ug/L	98
49) Dibromochloromethane	11.129	129	632082	103.088	ug/L	100
50) 1,2-Dibromoethane	11.233	107	604230	103.515	ug/L	94
51) Chlorobenzene	11.654	112	2044725	98.843	ug/L	99
52) Ethylbenzene	11.727	91	3874215	103.142	ug/L	100
53) m,p-Xylene	11.837	106	1425187	104.292	ug/L	93
54) o-Xylene	12.166	106	1356887	105.787	ug/L	93
55) Styrene	12.178	104	2291993	105.940	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.715	83	832070	102.388	ug/L	96
59) Bromoform	12.349	173	396712	106.498	ug/L	97
60) Isopropylbenzene	12.465	105	3874468	106.325	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	637801	100.261	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	3109626	111.258	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	2996255	108.126	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	1496112	97.844	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	1494043	97.973	ug/L	100
67) 1,2-Dichlorobenzene	13.867	146	1333670	98.552	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.483	75	160784	106.154	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.623	180	987128	97.553	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	841759	101.371	ug/L	94
71) Naphthalene	15.360	128	2217379	117.917	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	789212	100.957	ug/L	99

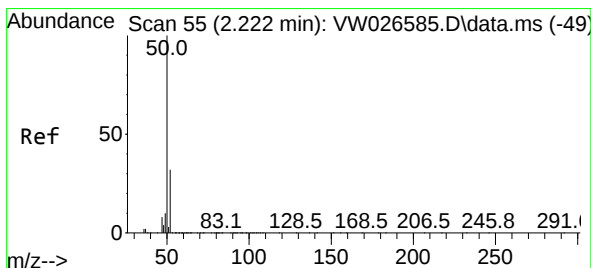
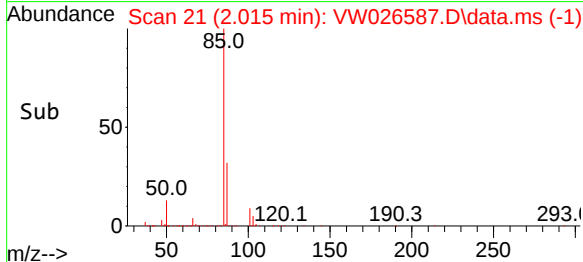
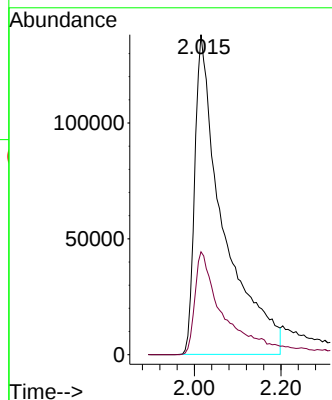
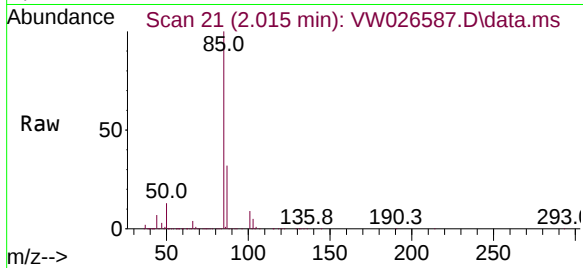
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 97.619 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW026587.D
 Acq: 11 Jul 2023 10:10

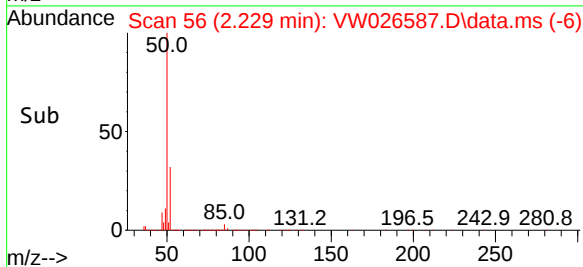
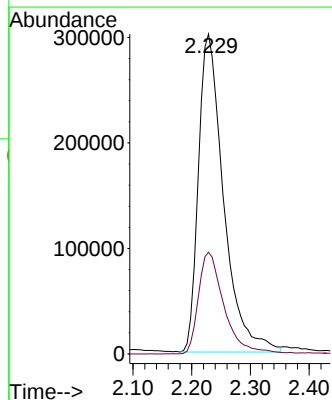
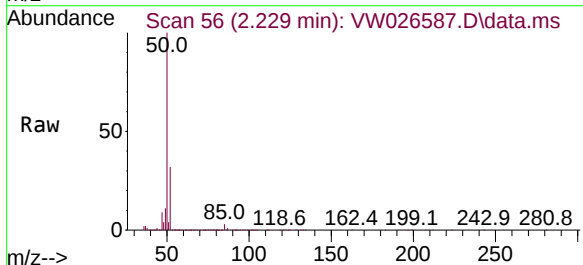
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100418

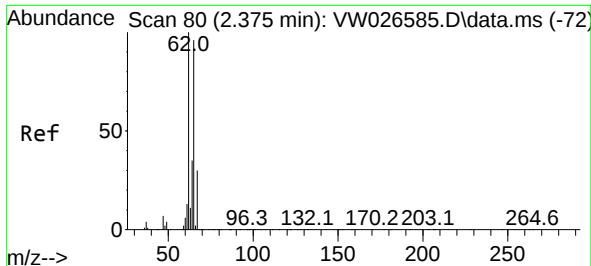
Tgt Ion: 85 Resp: 625298
 Ion Ratio Lower Upper
 85 100
 87 29.9 21.4 32.0



#3
 Chloromethane
 Concen: 101.053 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW026587.D
 Acq: 11 Jul 2023 10:10

Tgt Ion: 50 Resp: 897063
 Ion Ratio Lower Upper
 50 100
 52 31.8 22.5 41.7

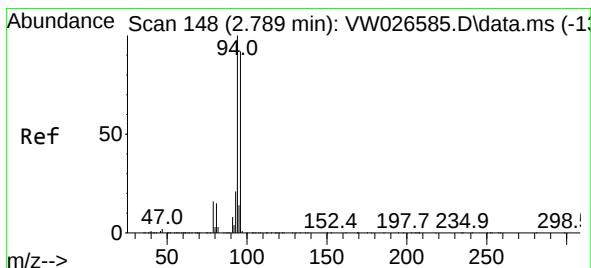
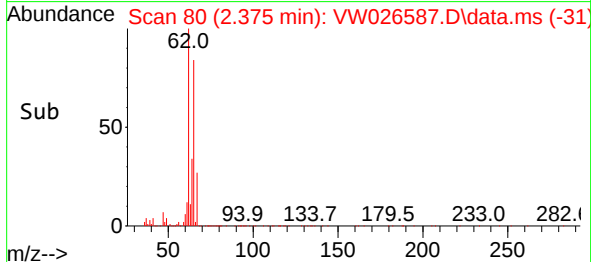
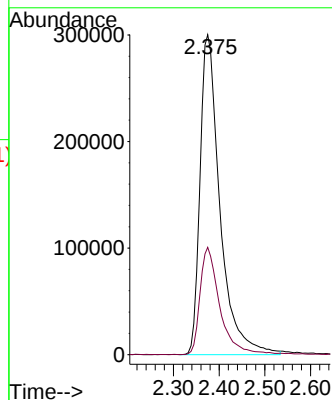
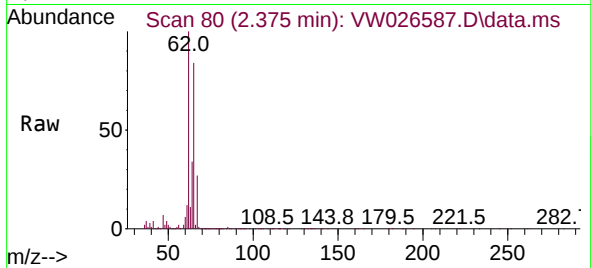




#5
 Vinyl chloride
 Concen: 97.261 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026587.D
 Acq: 11 Jul 2023 10:10

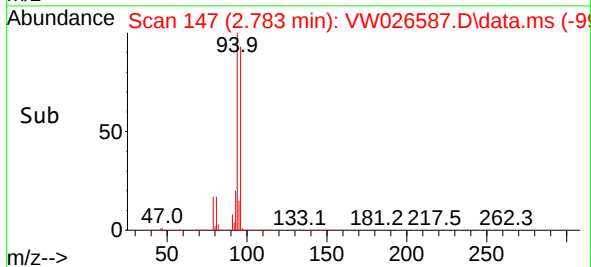
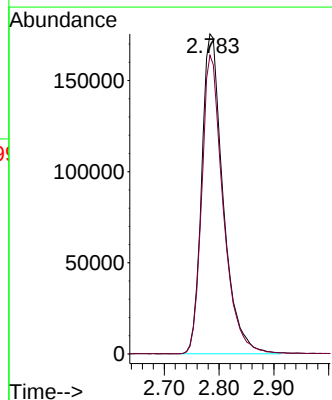
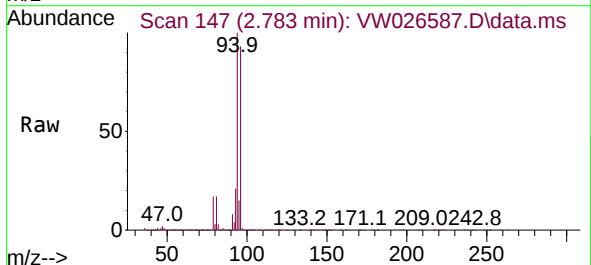
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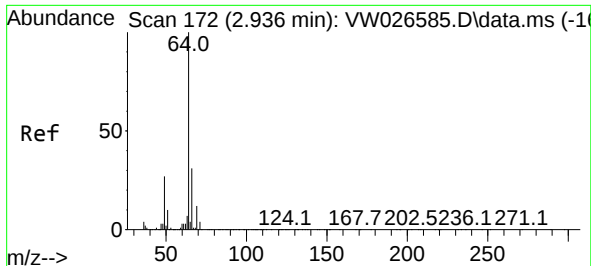
Tgt Ion: 62 Resp: 909932
 Ion Ratio Lower Upper
 62 100
 64 33.5 24.2 45.0



#6
 Bromomethane
 Concen: 95.899 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW026587.D
 Acq: 11 Jul 2023 10:10

Tgt Ion: 94 Resp: 476944
 Ion Ratio Lower Upper
 94 100
 96 93.3 64.5 119.9

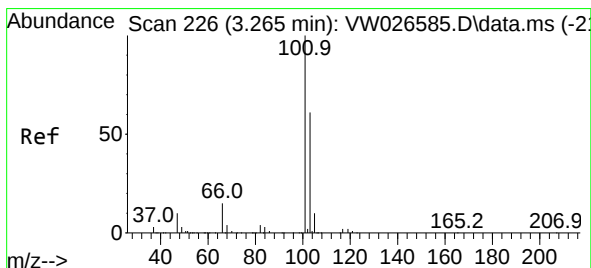
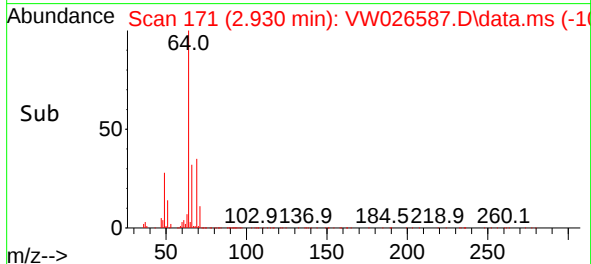
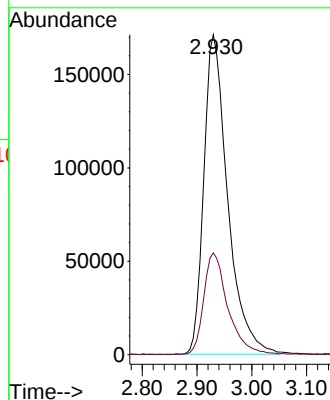
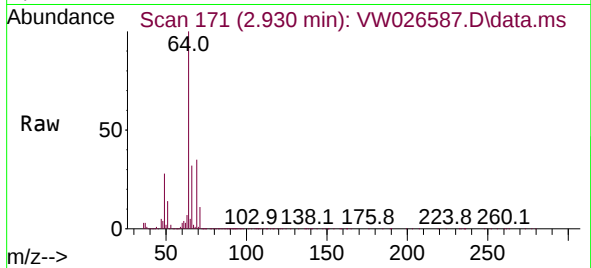




#8
Chloroethane
Concen: 98.699 ug/L
RT: 2.930 min Scan# 172
Delta R.T. -0.006 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

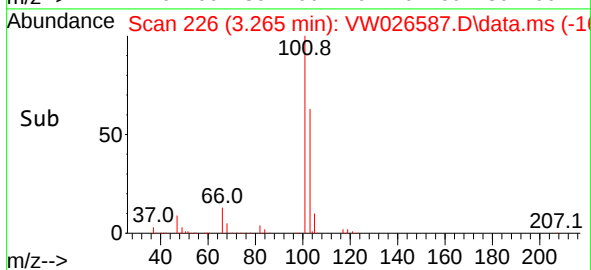
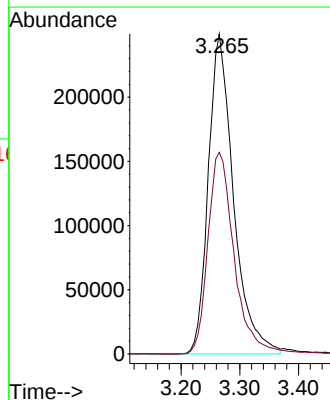
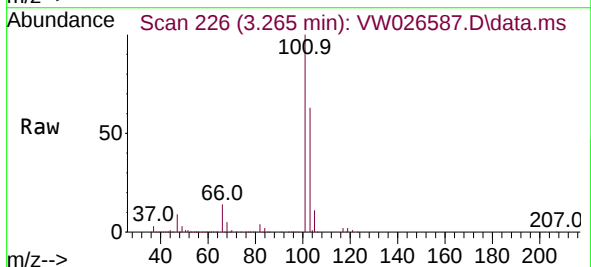
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

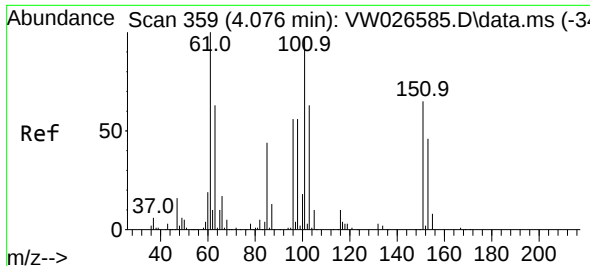
Tgt Ion: 64 Resp: 516327
Ion Ratio Lower Upper
64 100
66 31.8 21.7 40.3



#9
Trichlorofluoromethane
Concen: 107.119 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 101 Resp: 742275
Ion Ratio Lower Upper
101 100
103 65.6 50.3 75.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 100.853 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

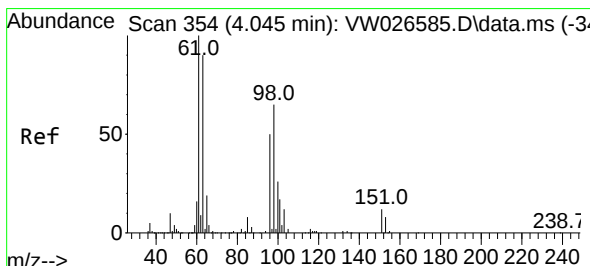
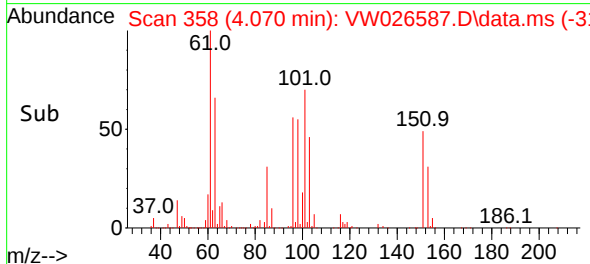
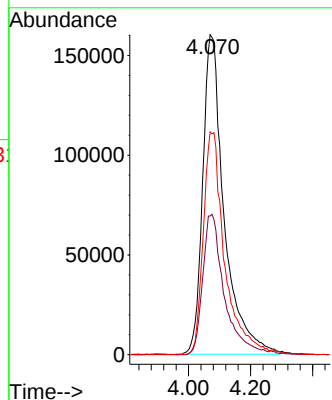
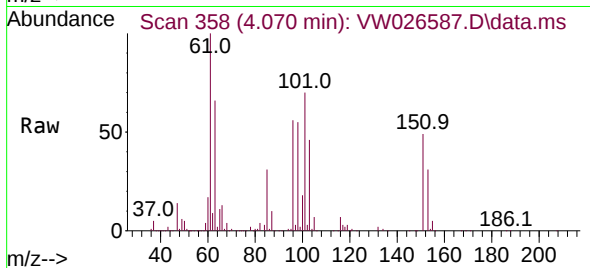
Tgt Ion:101 Resp: 768231

Ion Ratio Lower Upper

101 100

85 43.5 36.1 54.1

151 68.6 55.9 83.9



#12

1,1-Dichloroethene

Concen: 102.156 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

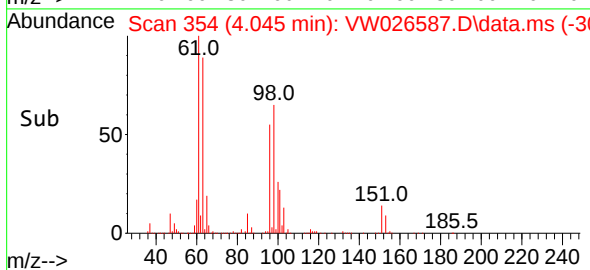
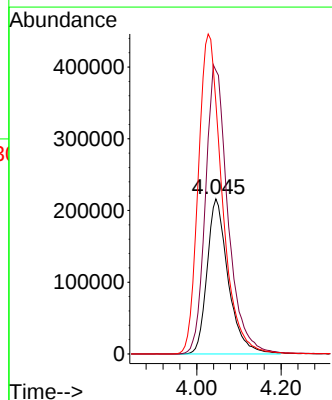
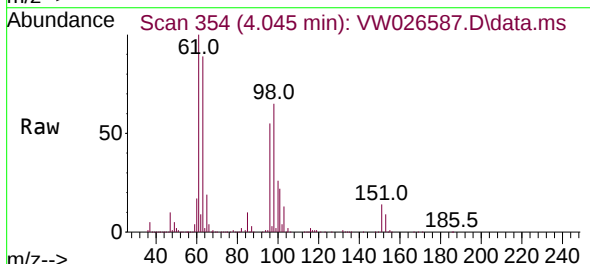
Tgt Ion: 96 Resp: 753751

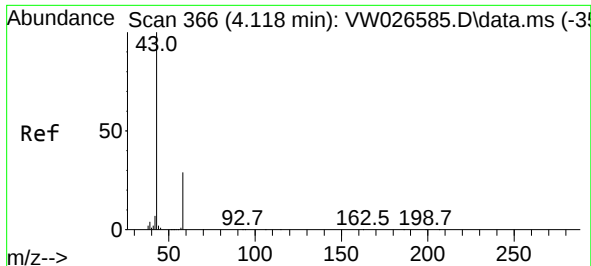
Ion Ratio Lower Upper

96 100

61 182.8 140.8 261.4

63 162.1 127.7 237.3





#13

Acetone

Concen: 215.340 ug/L

RT: 4.119 min Scan# 366

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

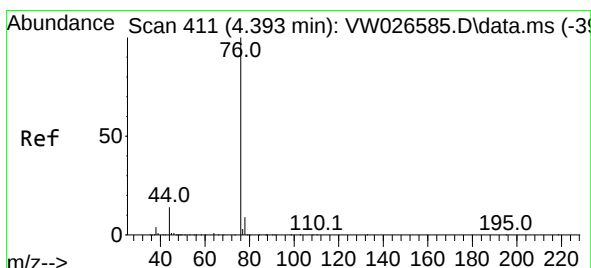
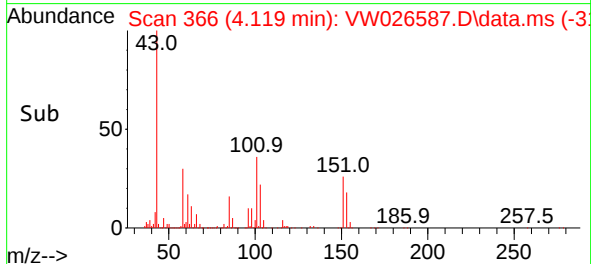
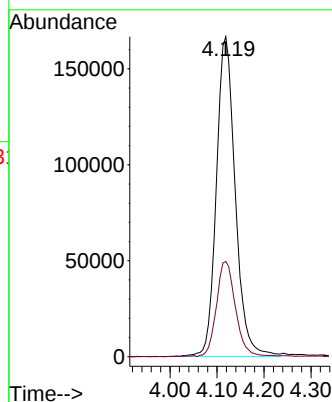
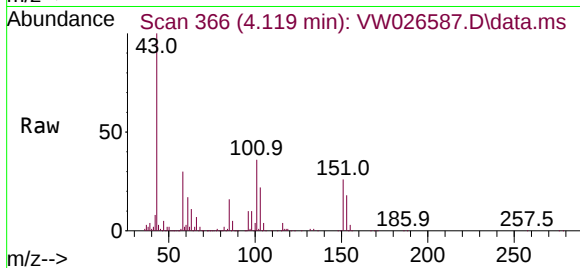
VSTD100418

Tgt Ion: 43 Resp: 465090

Ion Ratio Lower Upper

43 100

58 30.0 0.0 63.2



#14

Carbon disulfide

Concen: 100.503 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.000 min

Lab File: VW026587.D

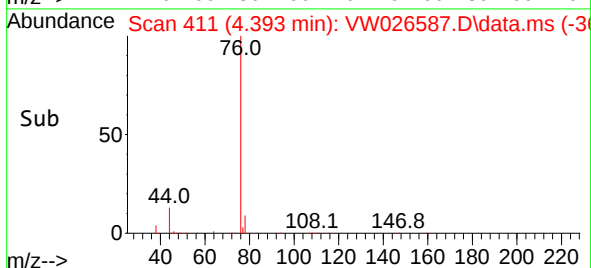
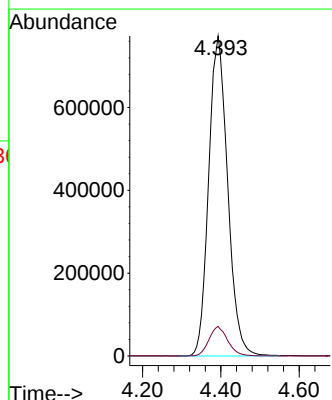
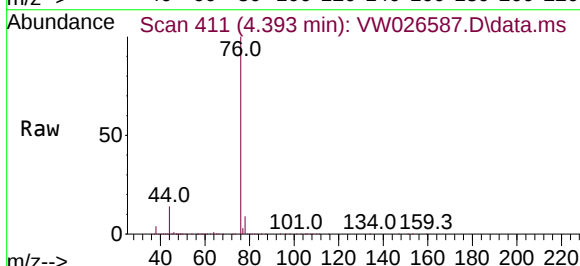
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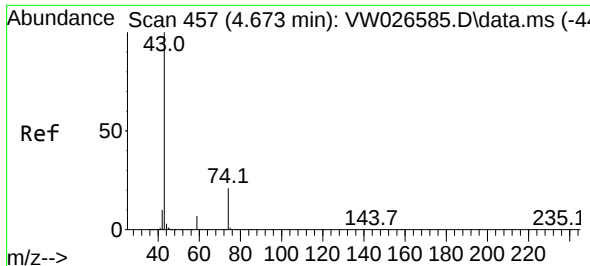
Tgt Ion: 76 Resp: 2599518

Ion Ratio Lower Upper

76 100

78 9.2 6.9 10.3

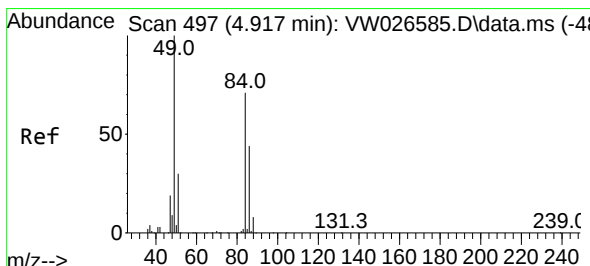
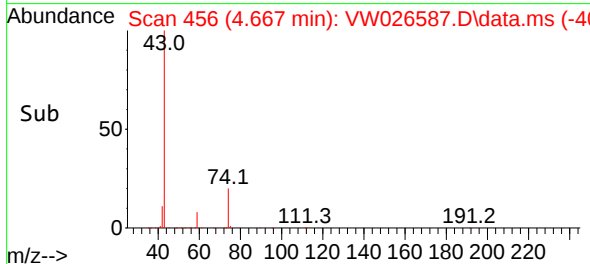
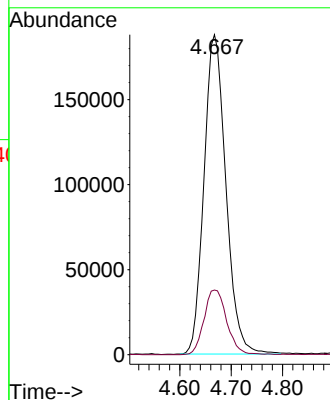
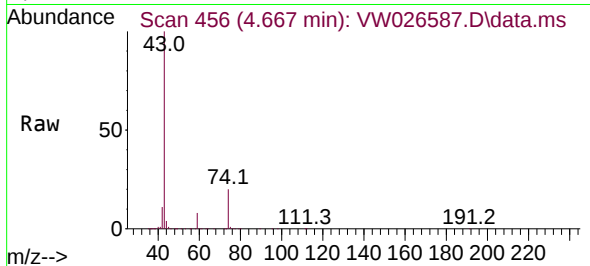




#15
Methyl Acetate
Concen: 108.288 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

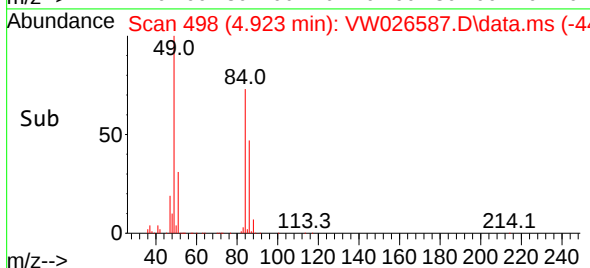
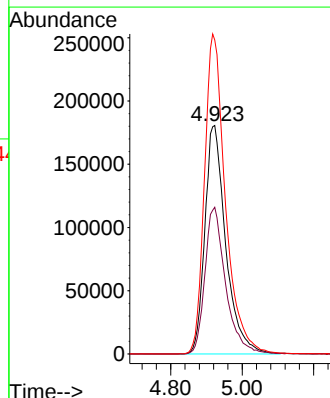
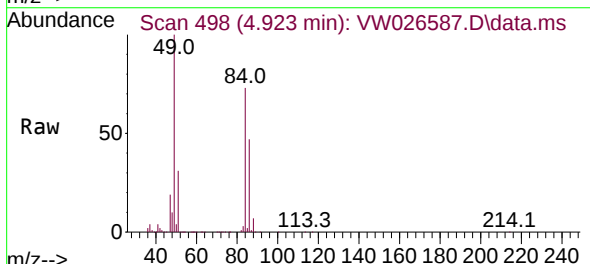
Instrument :
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ClientSampleId :
VSTD100418

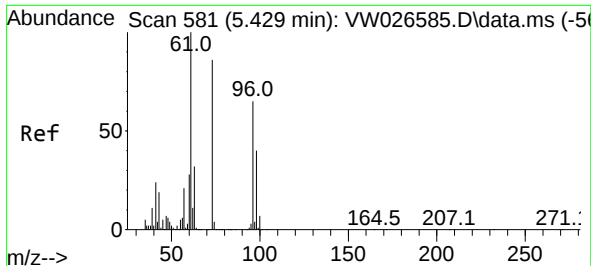
Tgt Ion: 43 Resp: 556906
Ion Ratio Lower Upper
43 100
74 21.0 16.3 24.5



#16
Methylene chloride
Concen: 75.617 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 84 Resp: 733300
Ion Ratio Lower Upper
84 100
86 64.2 43.8 81.3
49 137.4 99.2 184.2

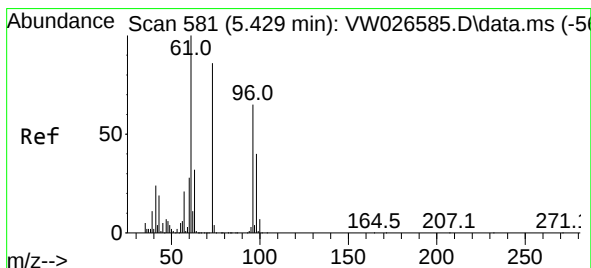
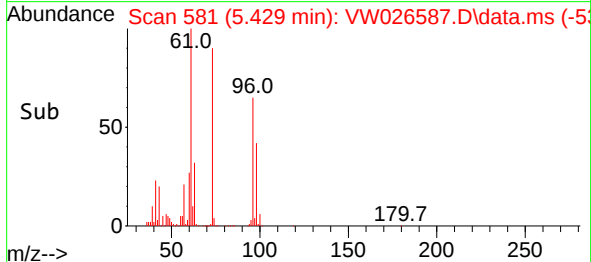
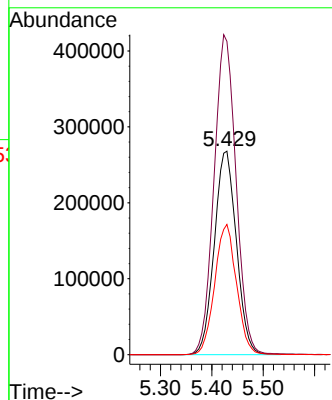
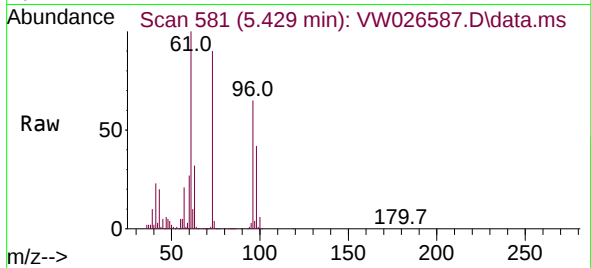




#17
trans-1,2-Dichloroethene
Concen: 101.560 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

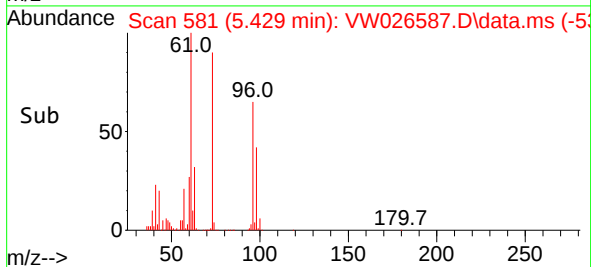
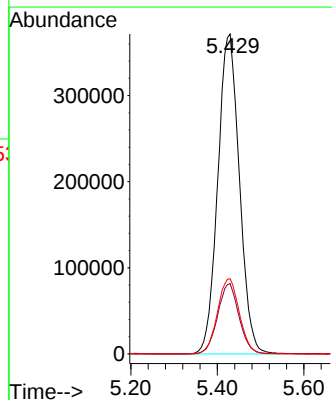
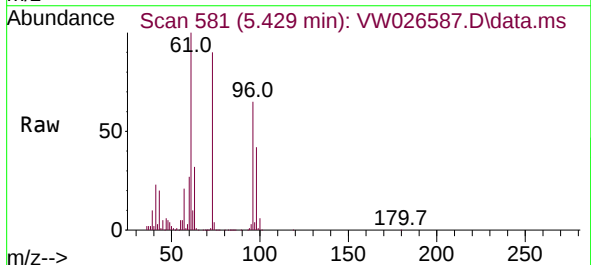
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

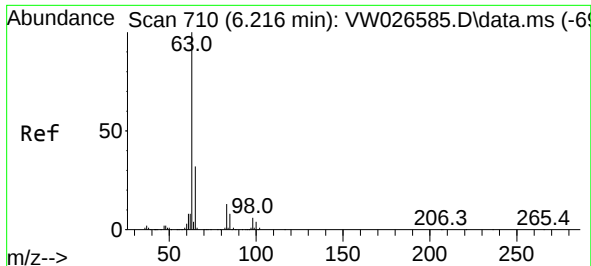
Tgt Ion: 96 Resp: 801216
Ion Ratio Lower Upper
96 100
61 154.0 108.1 200.9
98 64.0 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 104.536 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 73 Resp: 1290703
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.2
57 23.9 19.3 28.9

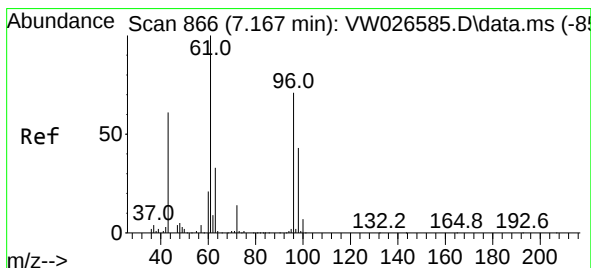
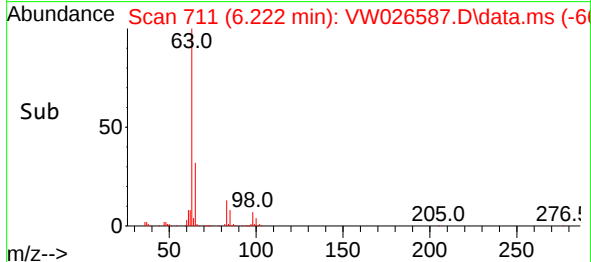
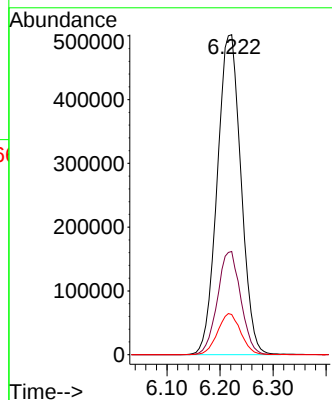
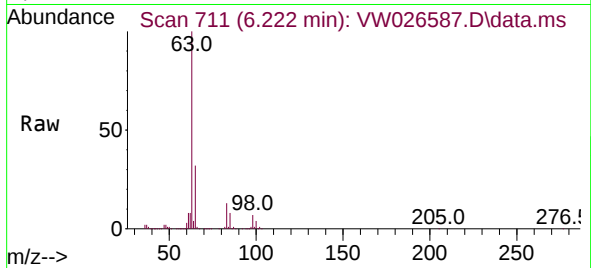




#19
1,1-Dichloroethane
Concen: 98.902 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

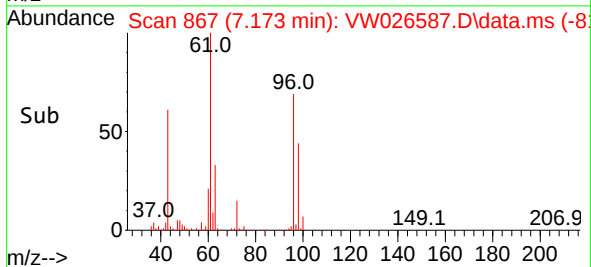
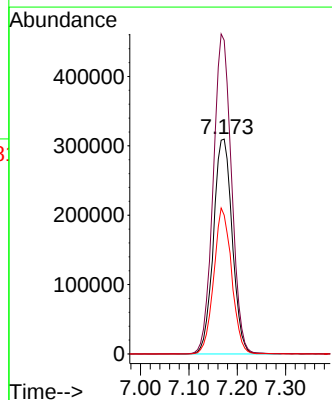
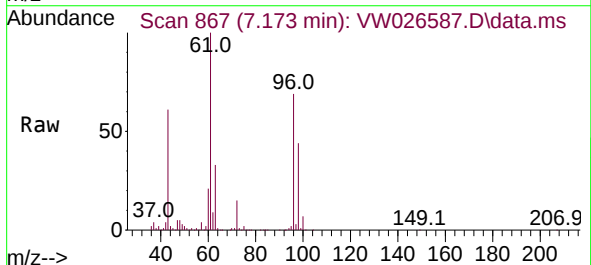
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

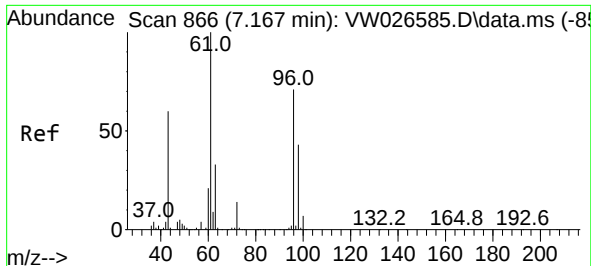
Tgt Ion: 63 Resp: 1559976
Ion Ratio Lower Upper
63 100
65 32.2 22.3 41.5
83 12.5 8.8 16.4



#20
cis-1,2-Dichloroethene
Concen: 102.391 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 96 Resp: 836460
Ion Ratio Lower Upper
96 100
61 145.9 98.8 183.6
98 64.6 42.4 78.6

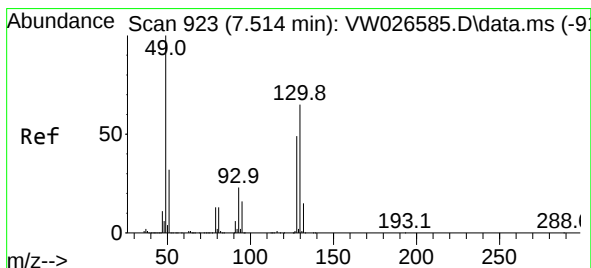
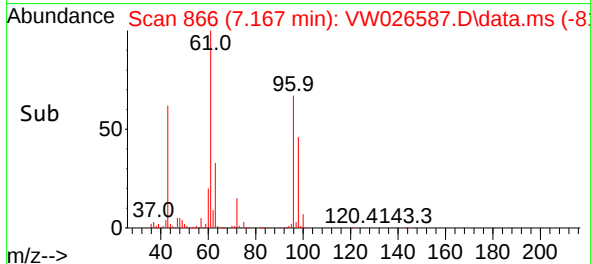
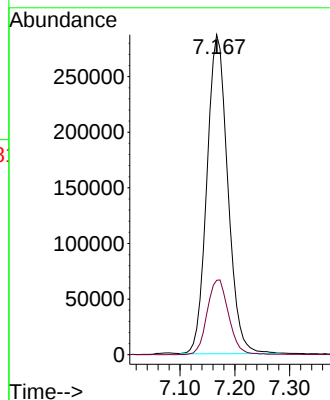
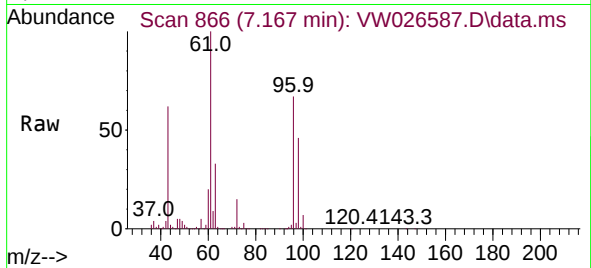




#22
2-Butanone
Concen: 230.531 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

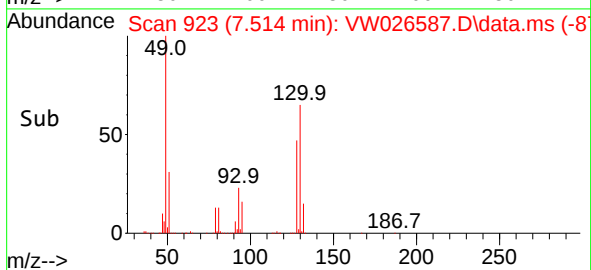
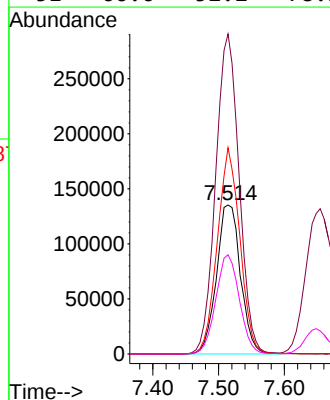
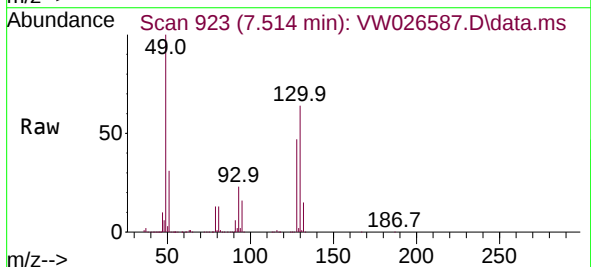
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

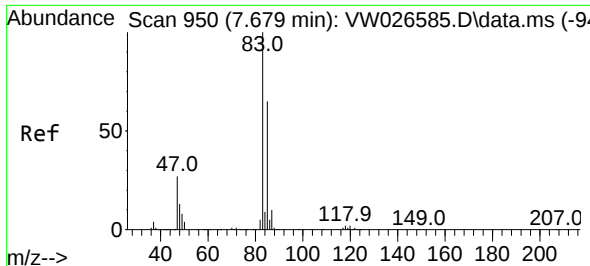
Tgt Ion: 43 Resp: 757542
Ion Ratio Lower Upper
43 100
72 24.2 11.9 35.5



#23
Bromochloromethane
Concen: 98.093 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 128 Resp: 343254
Ion Ratio Lower Upper
128 100
49 214.8 142.1 263.9
130 138.4 92.9 172.5
51 66.6 52.2 78.2

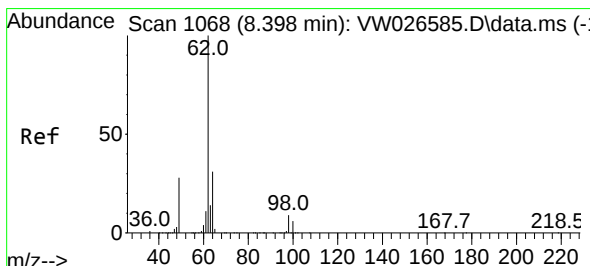
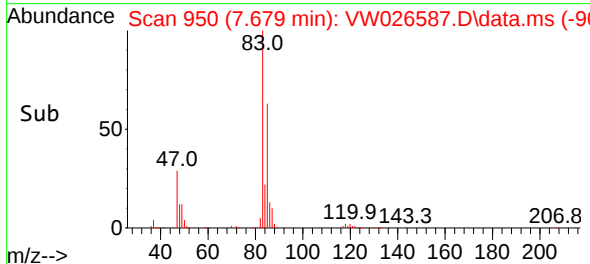
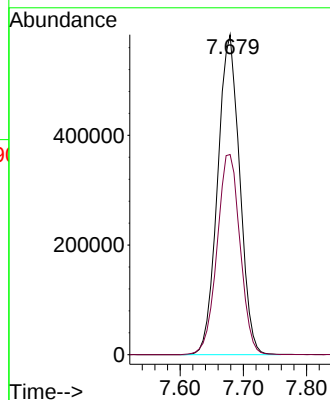
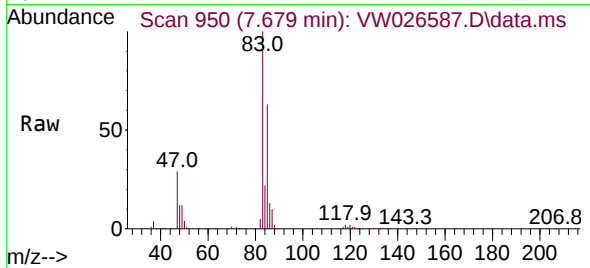




#25
Chloroform
Concen: 97.604 ug/L
RT: 7.679 min Scan# 910
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

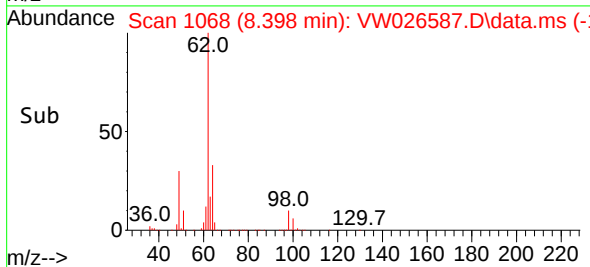
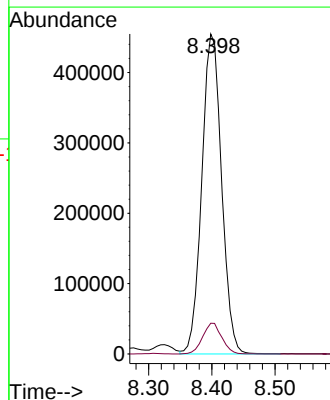
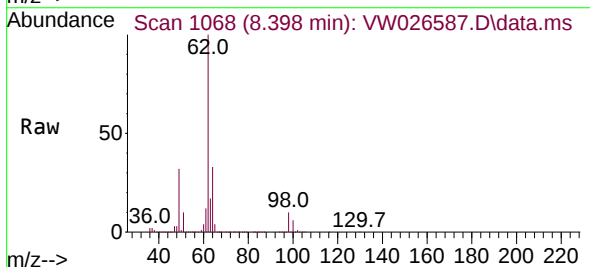
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

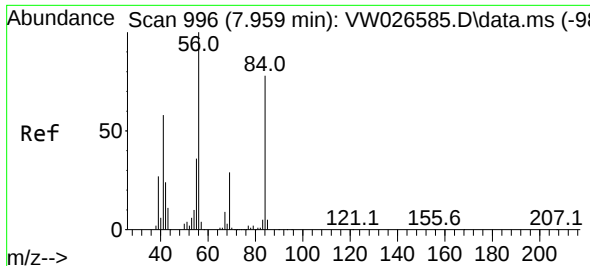
Tgt Ion: 83 Resp: 1410539
Ion Ratio Lower Upper
83 100
85 62.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 97.417 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

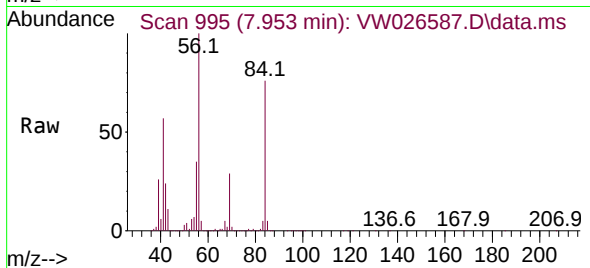
Tgt Ion: 62 Resp: 991077
Ion Ratio Lower Upper
62 100
98 9.6 6.7 10.1





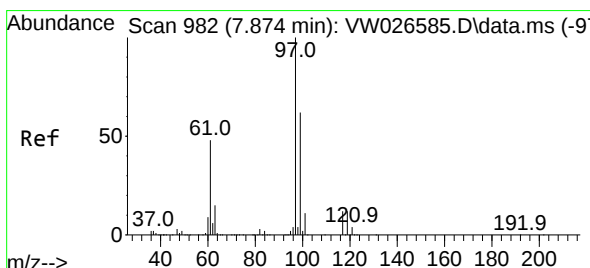
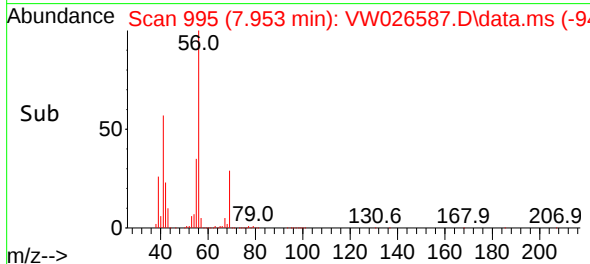
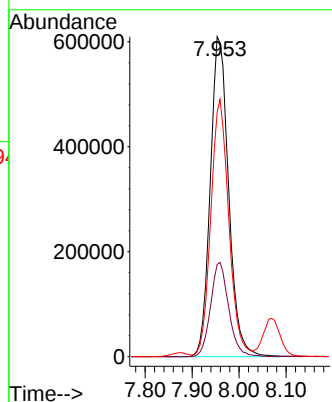
#29
Cyclohexane
Concen: 109.350 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD100418



Tgt Ion: 56 Resp: 1650850

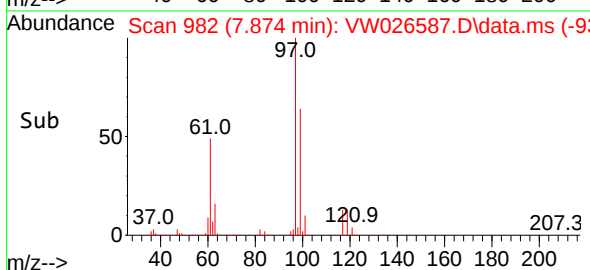
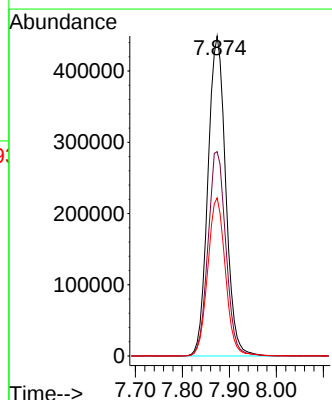
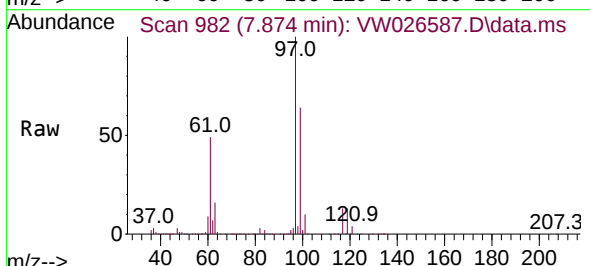
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.0
84	78.8	62.6	94.0

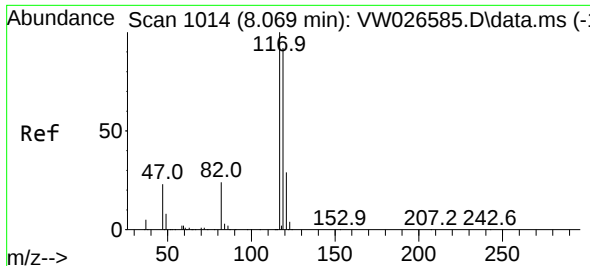


#30
1,1,1-Trichloroethane
Concen: 98.956 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 97 Resp: 1176034

Ion	Ratio	Lower	Upper
97	100		
99	64.4	49.9	74.9
61	49.3	39.8	59.8

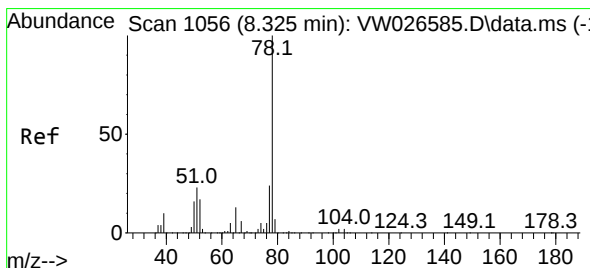
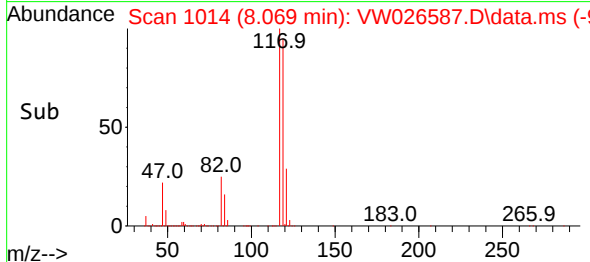
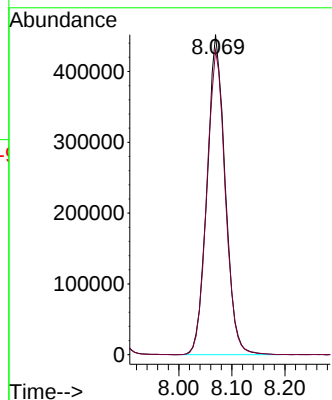
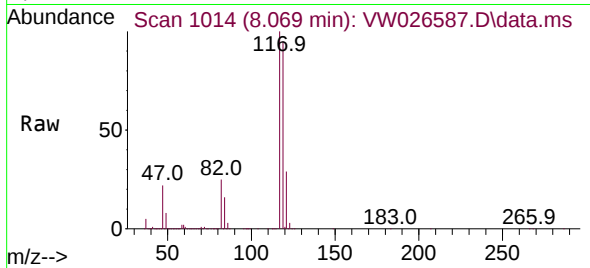




#31
Carbon tetrachloride
Concen: 99.544 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

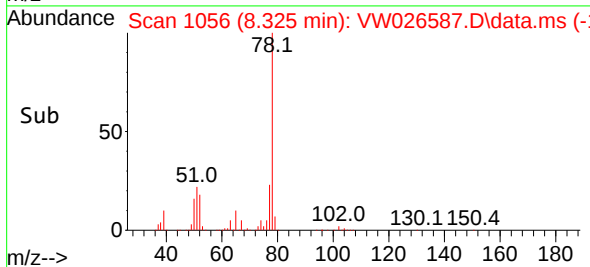
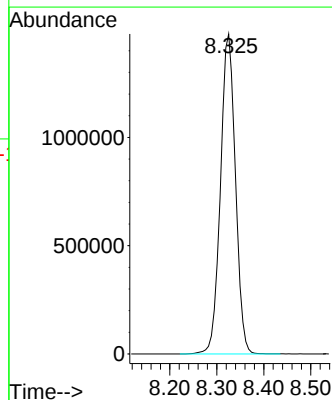
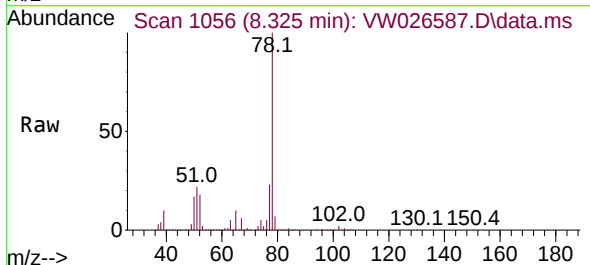
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

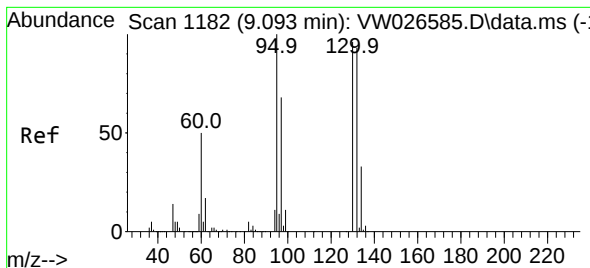
Tgt Ion:117 Resp: 1073875
Ion Ratio Lower Upper
117 100
119 97.3 77.1 115.7



#33
Benzene
Concen: 98.188 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 78 Resp: 3280449





#34

Trichloroethene

Concen: 99.592 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

Tgt Ion: 95 Resp: 854691

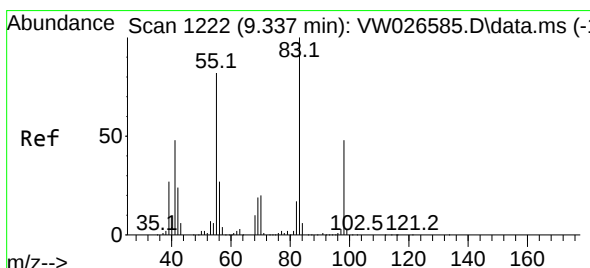
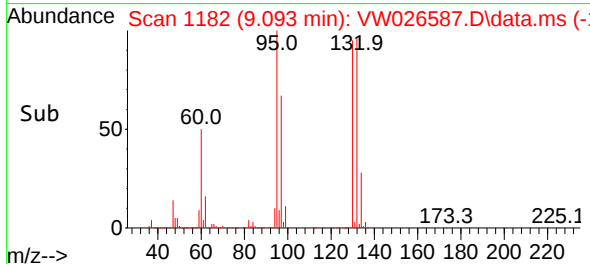
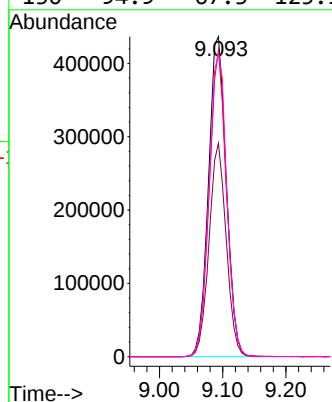
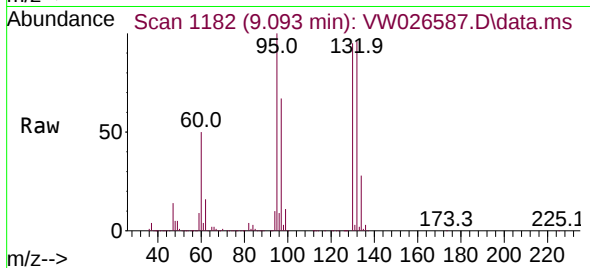
Ion Ratio Lower Upper

95 100

97 66.7 47.9 88.9

132 95.9 65.0 120.8

130 94.9 67.3 125.1



#35

Methylcyclohexane

Concen: 106.053 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

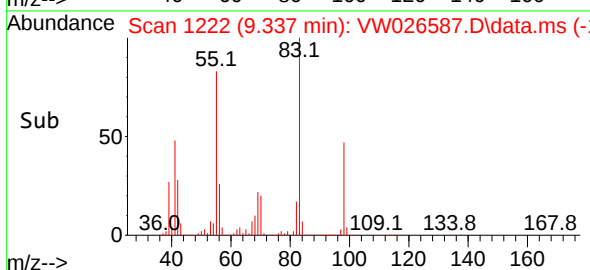
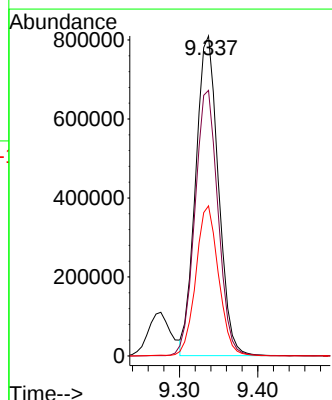
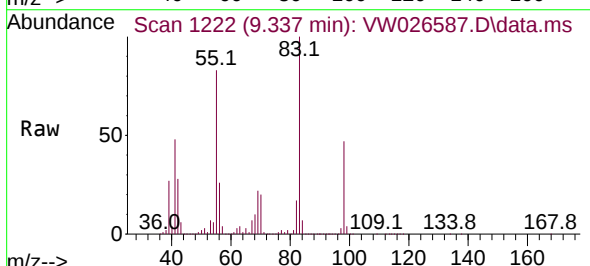
Tgt Ion: 83 Resp: 1634246

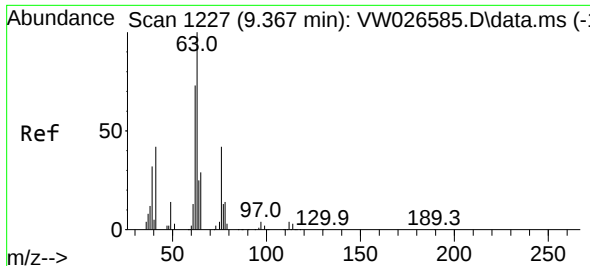
Ion Ratio Lower Upper

83 100

55 84.6 68.7 103.1

98 47.1 37.3 55.9





#37

1,2-Dichloropropane

Concen: 96.685 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

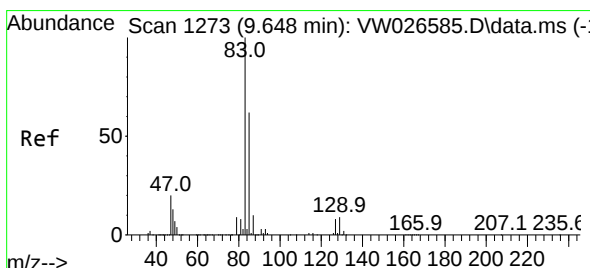
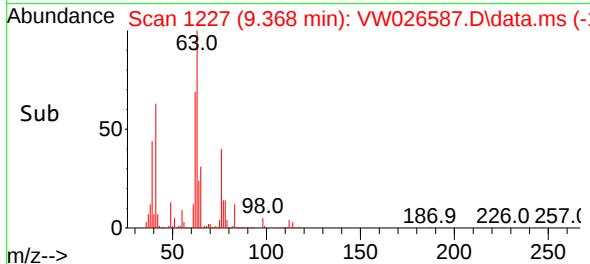
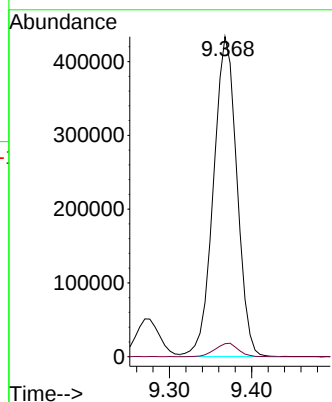
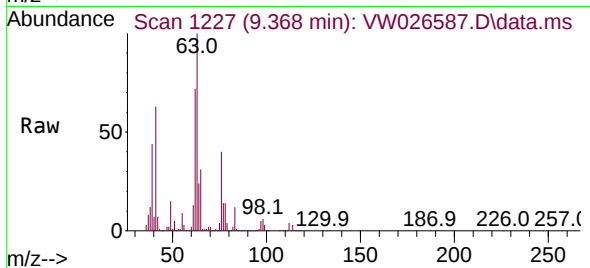
VSTD100418

Tgt Ion: 63 Resp: 857818

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 99.343 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

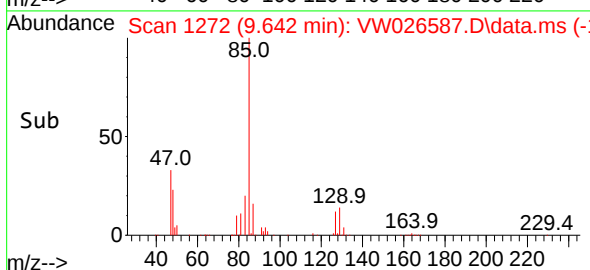
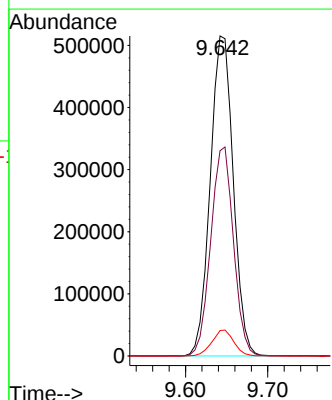
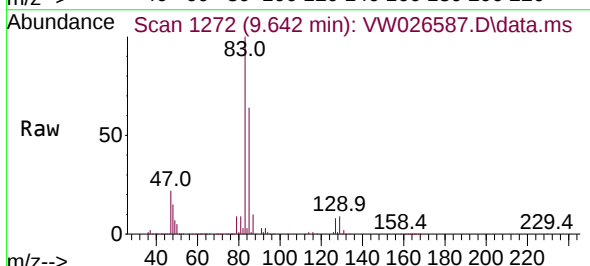
Tgt Ion: 83 Resp: 1001396

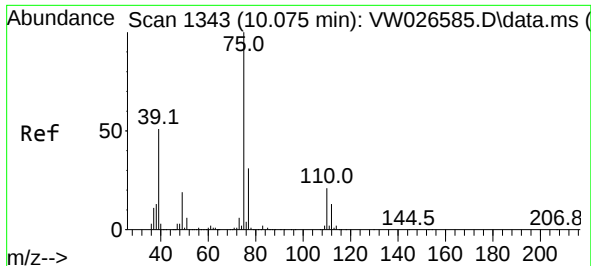
Ion Ratio Lower Upper

83 100

85 64.1 43.3 80.3

127 7.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 107.747 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

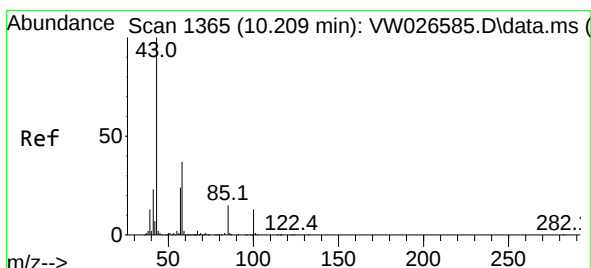
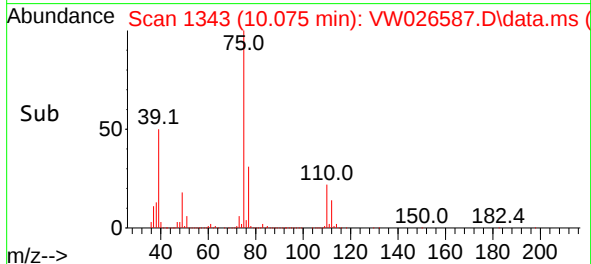
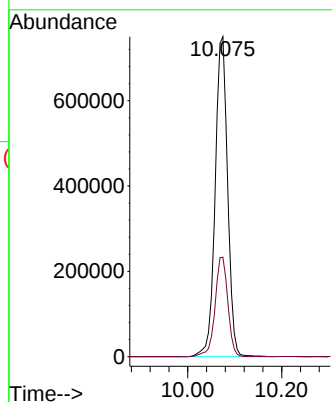
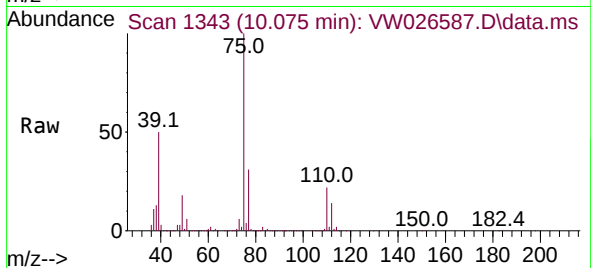
VSTD100418

Tgt Ion: 75 Resp: 1376310

Ion Ratio Lower Upper

75 100

77 31.1 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 228.485 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

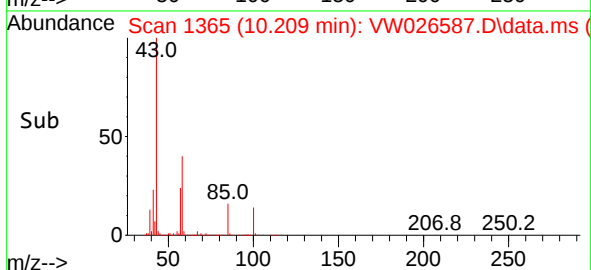
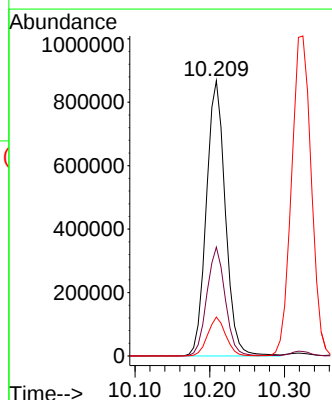
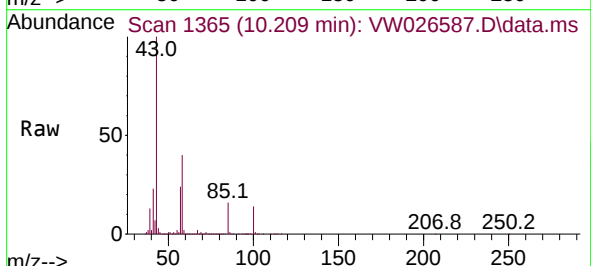
Tgt Ion: 43 Resp: 1530075

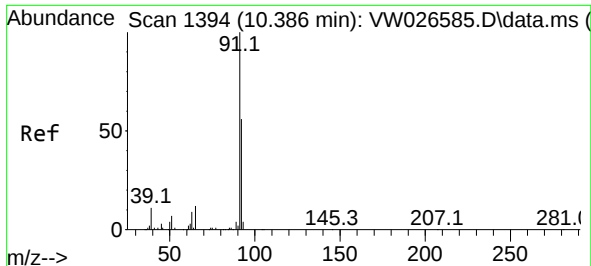
Ion Ratio Lower Upper

43 100

58 38.3 29.8 44.8

100 13.4 10.7 16.1

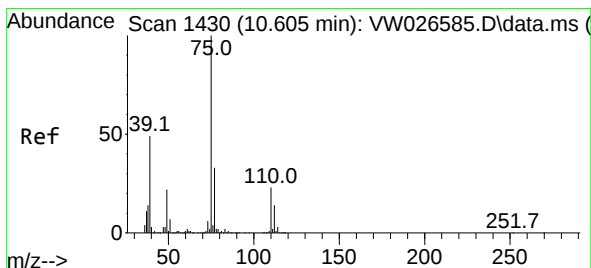
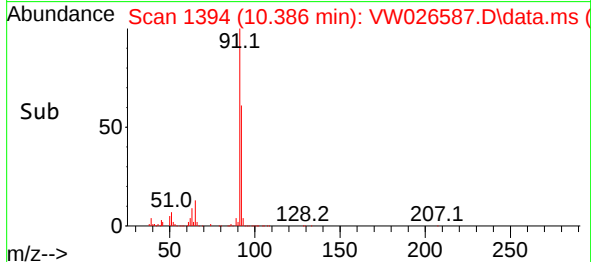
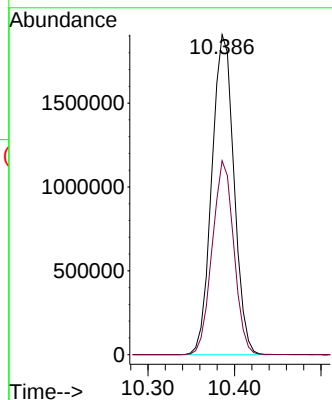
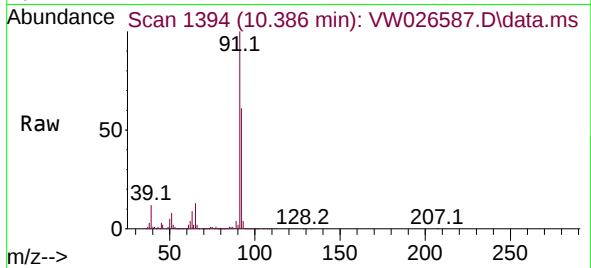




#42
Toluene
Concen: 100.342 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

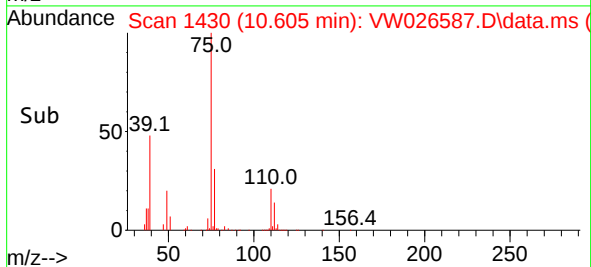
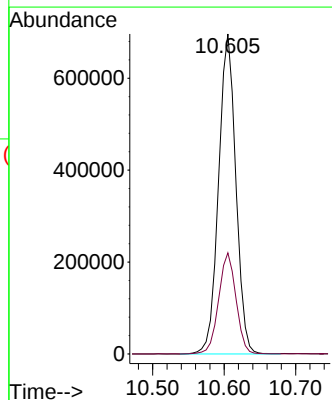
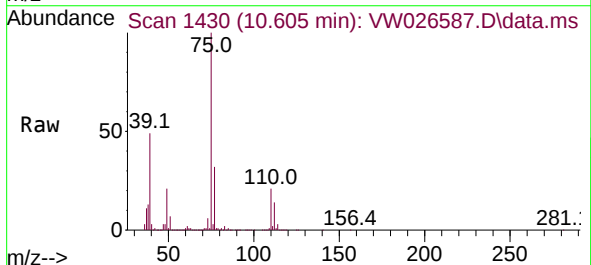
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

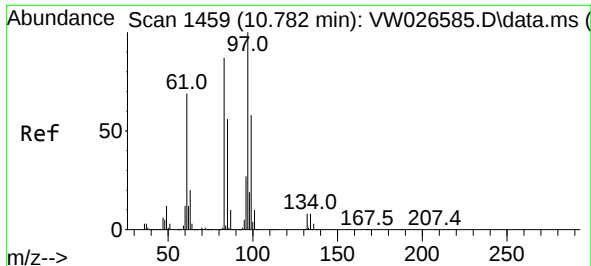
Tgt Ion: 91 Resp: 3385452
Ion Ratio Lower Upper
91 100
92 60.6 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 108.247 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 75 Resp: 1166149
Ion Ratio Lower Upper
75 100
77 31.6 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 98.736 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

Tgt Ion: 97 Resp: 611439

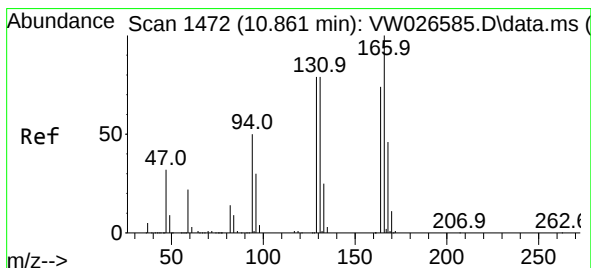
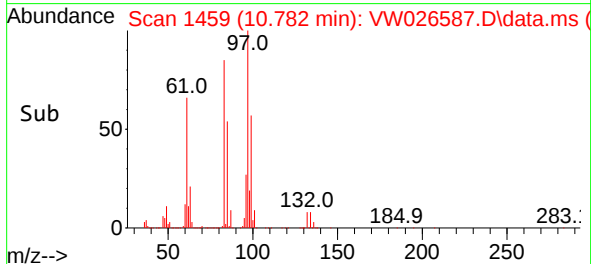
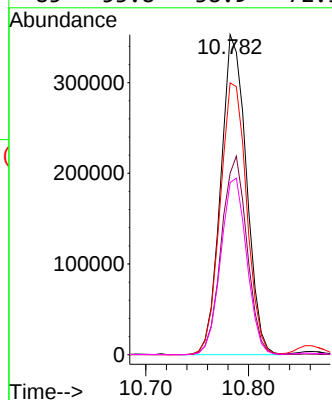
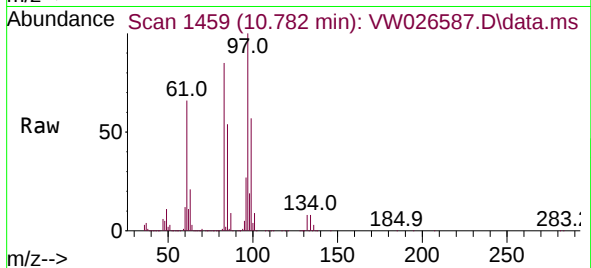
Ion Ratio Lower Upper

97 100

99 56.7 40.5 75.3

83 85.0 61.0 113.2

85 53.8 38.9 72.3



#46

Tetrachloroethene

Concen: 100.005 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Tgt Ion:164 Resp: 609284

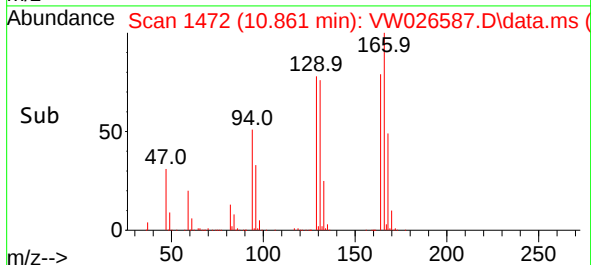
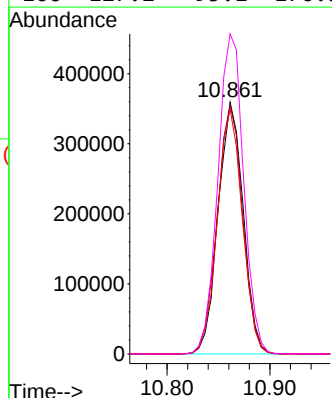
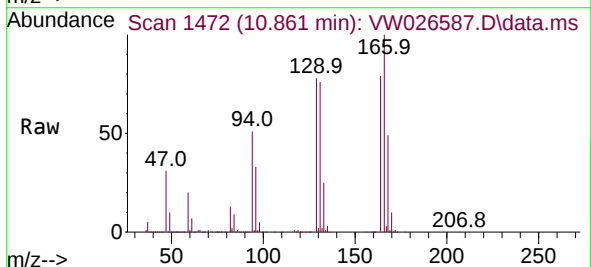
Ion Ratio Lower Upper

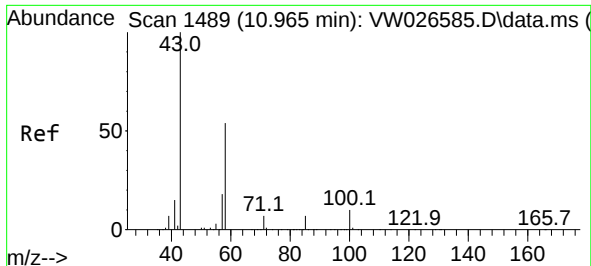
164 100

129 99.1 75.5 140.1

131 97.2 74.8 138.8

166 127.2 95.1 176.5

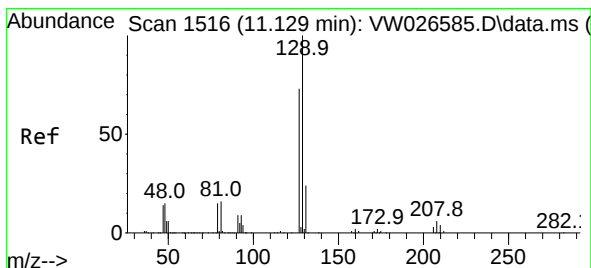
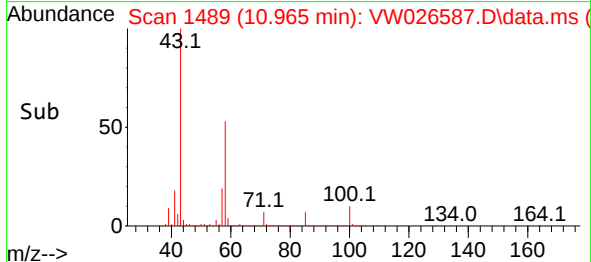
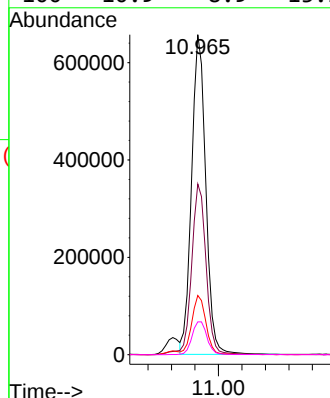
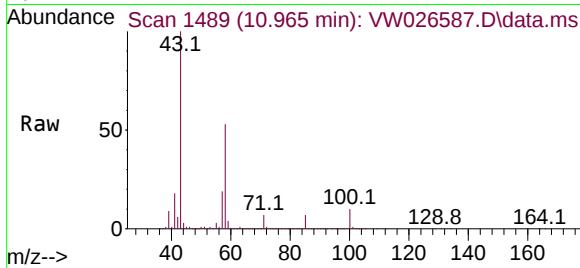




#48
2-Hexanone
Concen: 235.388 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

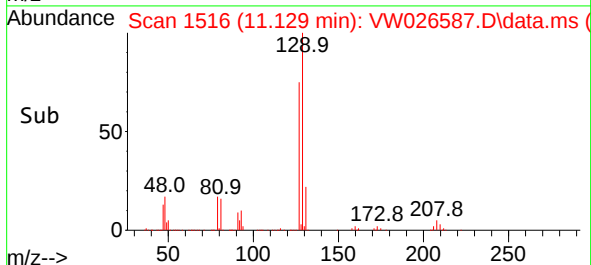
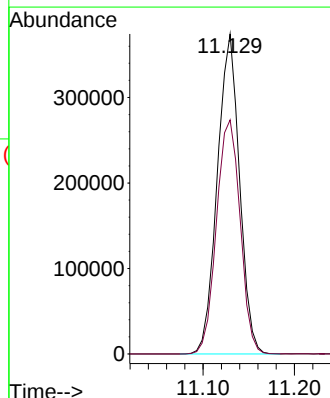
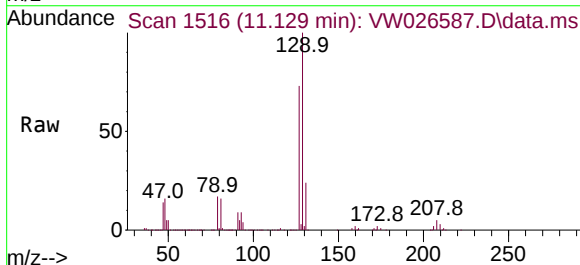
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

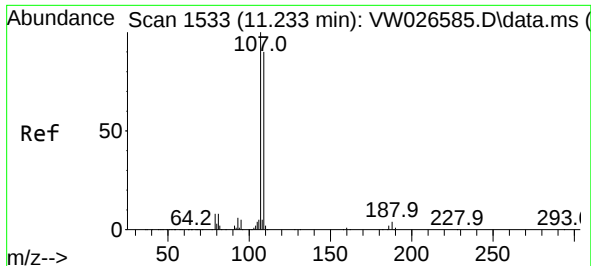
Tgt Ion: 43 Resp: 1100073
Ion Ratio Lower Upper
43 100
58 54.5 42.1 63.1
57 18.6 14.8 22.2
100 10.9 8.9 13.3



#49
Dibromochloromethane
Concen: 103.088 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion: 129 Resp: 632082
Ion Ratio Lower Upper
129 100
127 73.1 51.2 95.2





#50

1,2-Dibromoethane

Concen: 103.515 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

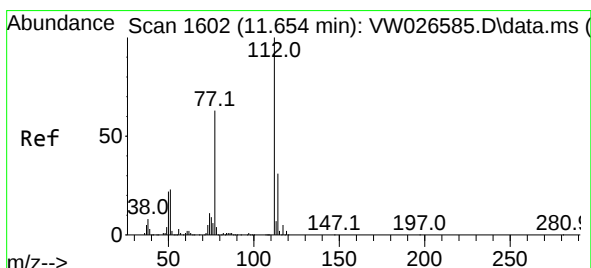
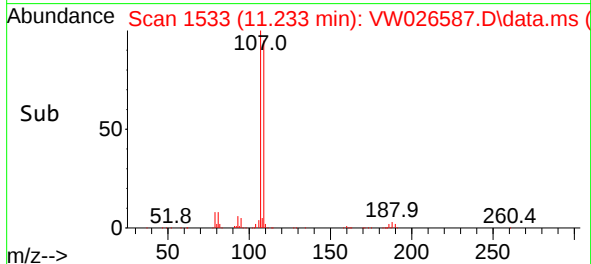
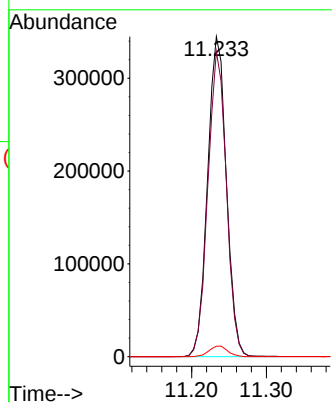
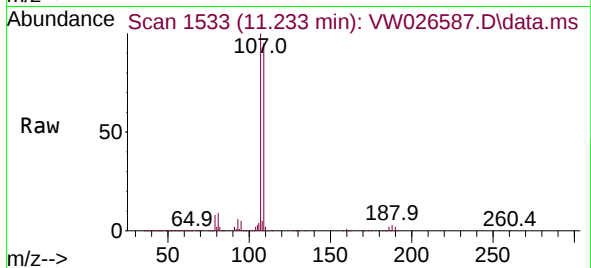
Tgt Ion:107 Resp: 604230

Ion Ratio Lower Upper

107 100

109 95.4 62.9 116.7

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 98.843 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

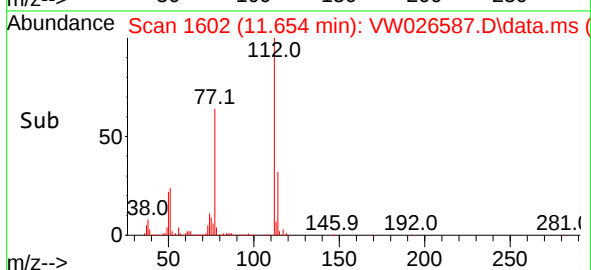
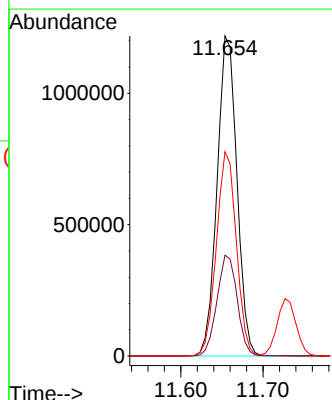
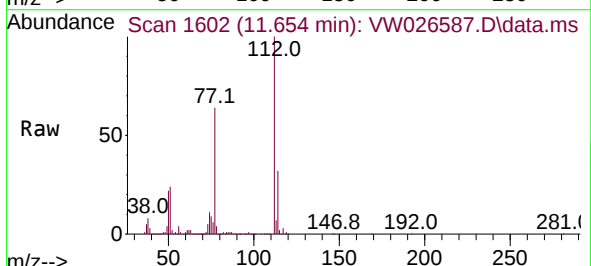
Tgt Ion:112 Resp: 2044725

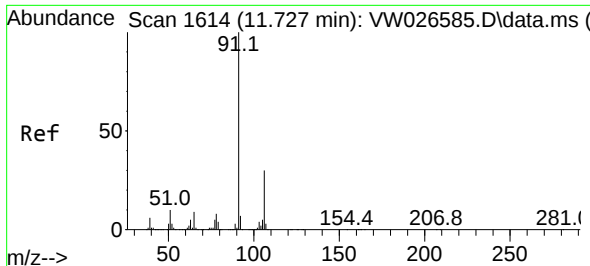
Ion Ratio Lower Upper

112 100

114 31.5 21.6 40.2

77 63.8 50.3 75.5

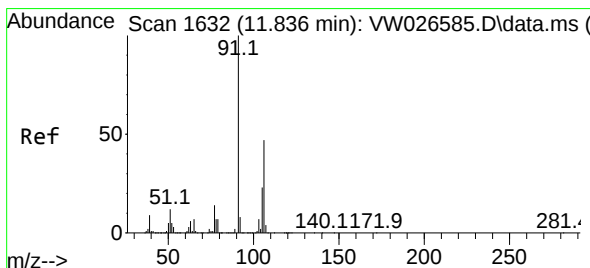
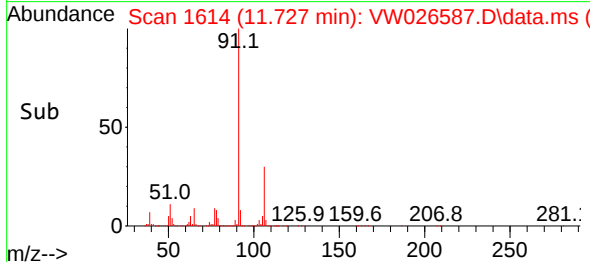
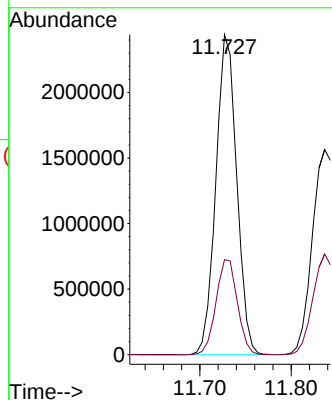
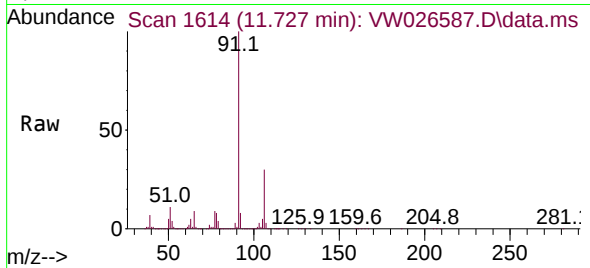




#52
Ethylbenzene
Concen: 103.142 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

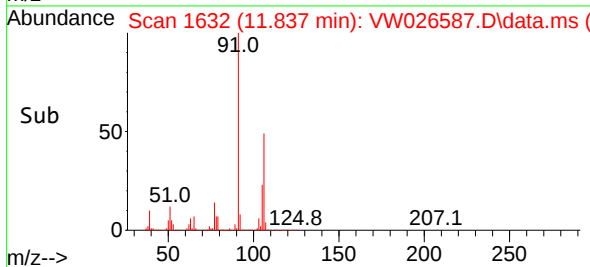
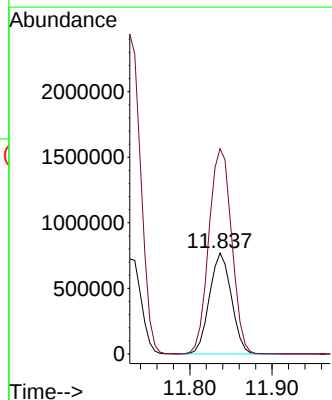
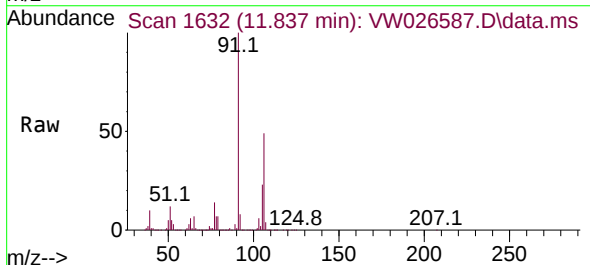
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

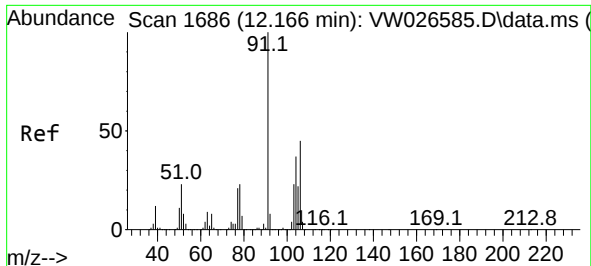
Tgt Ion: 91 Resp: 3874215
Ion Ratio Lower Upper
91 100
106 29.7 20.8 38.6



#53
m,p-Xylene
Concen: 104.292 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion:106 Resp: 1425187
Ion Ratio Lower Upper
106 100
91 203.6 150.3 279.1

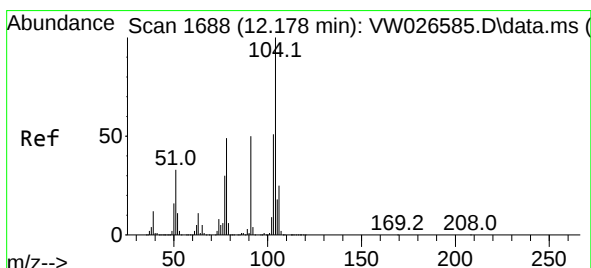
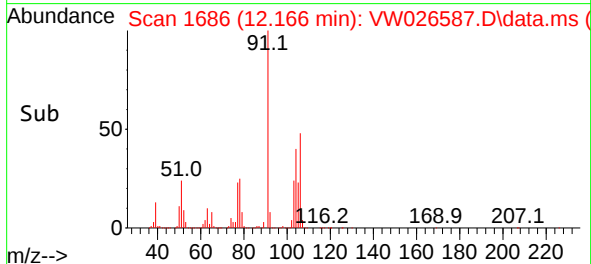
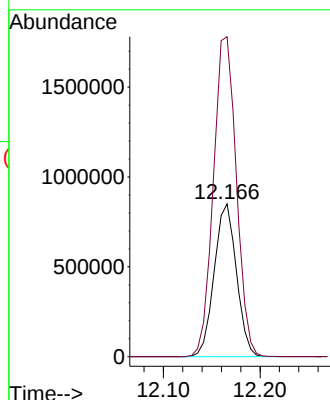
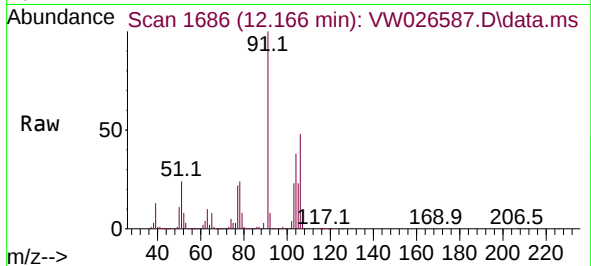




#54
o-Xylene
Concen: 105.787 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

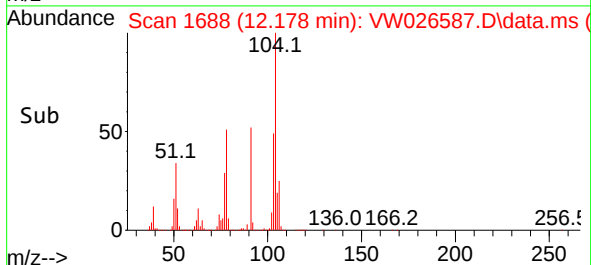
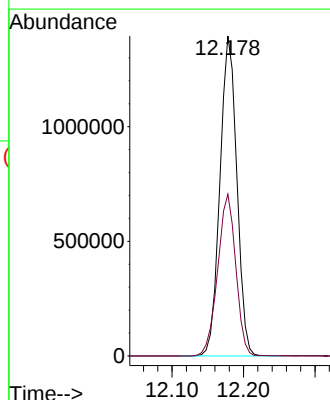
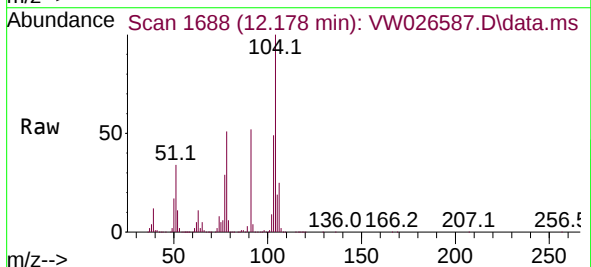
Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

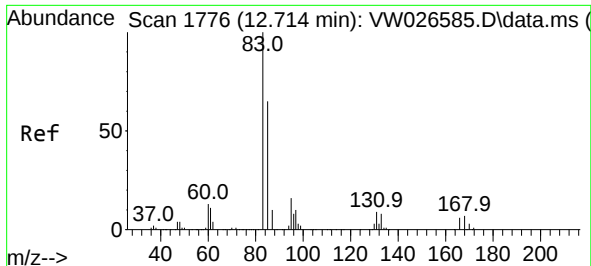
Tgt Ion:106 Resp: 1356887
Ion Ratio Lower Upper
106 100
91 209.3 154.3 286.5



#55
Styrene
Concen: 105.940 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion:104 Resp: 2291993
Ion Ratio Lower Upper
104 100
78 50.6 34.6 64.2





#57

1,1,2,2-Tetrachloroethane

Concen: 102.388 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

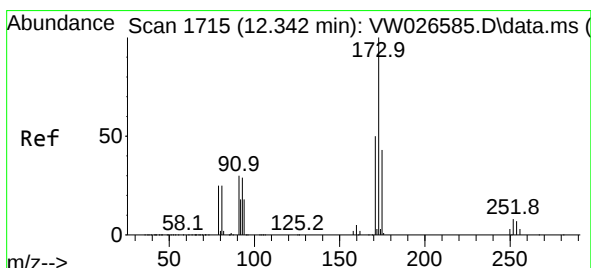
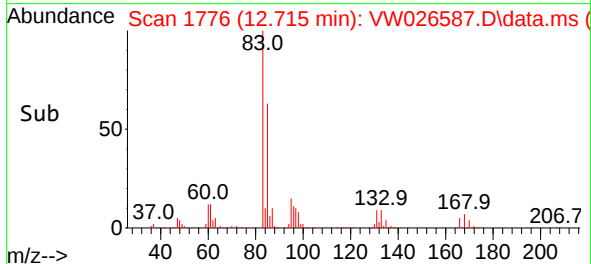
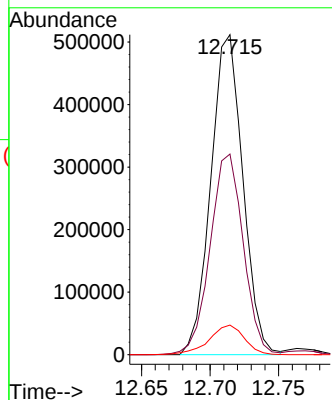
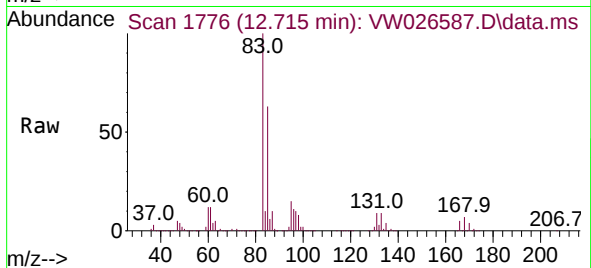
Tgt Ion: 83 Resp: 832070

Ion Ratio Lower Upper

83 100

85 62.7 46.2 85.8

131 9.2 7.2 10.8



#59

Bromoform

Concen: 106.498 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

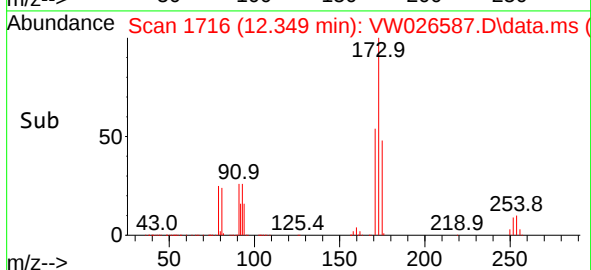
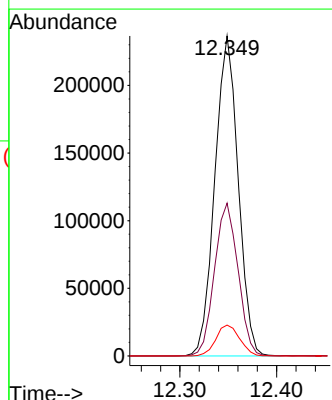
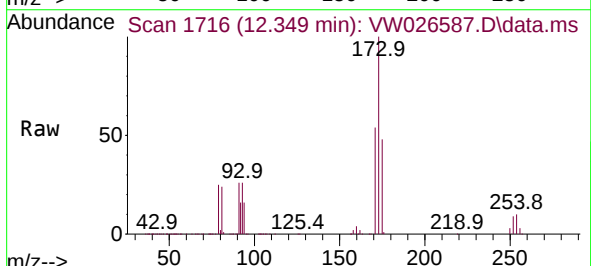
Tgt Ion:173 Resp: 396712

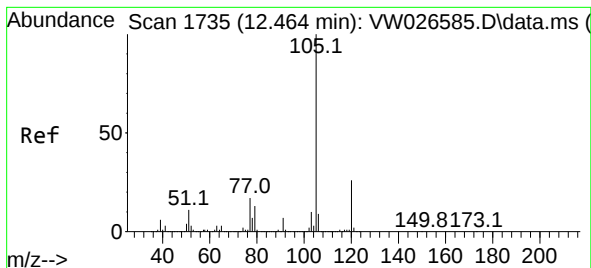
Ion Ratio Lower Upper

173 100

175 48.0 36.6 54.8

254 9.9 7.8 11.6





#60

Isopropylbenzene

Concen: 106.325 ug/L

RT: 12.465 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

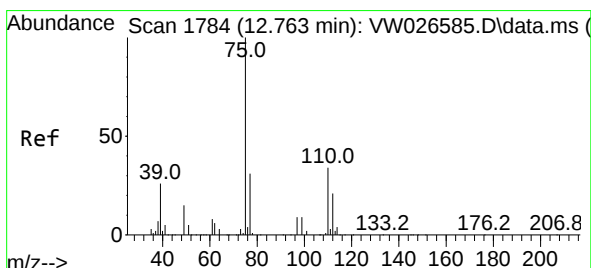
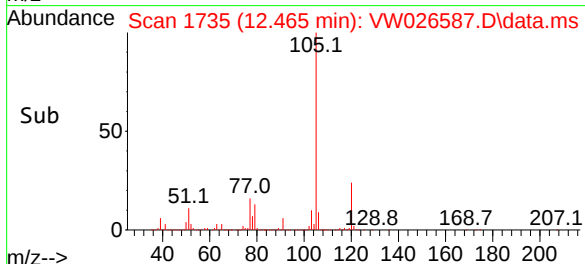
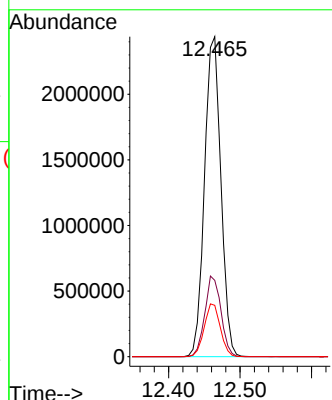
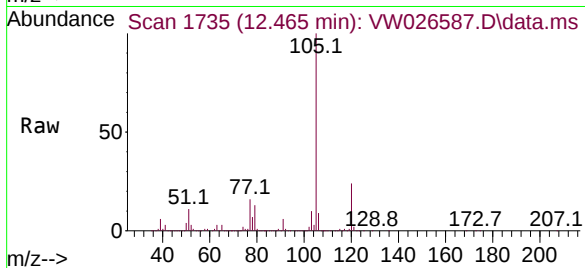
Tgt Ion:105 Resp: 3874468

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7

77 16.3 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 100.261 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

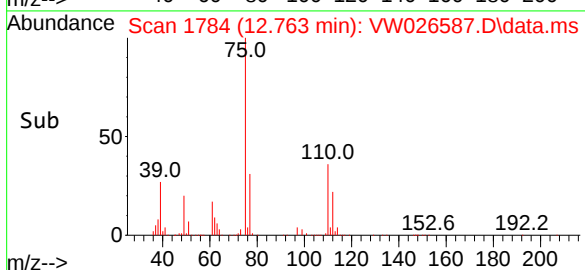
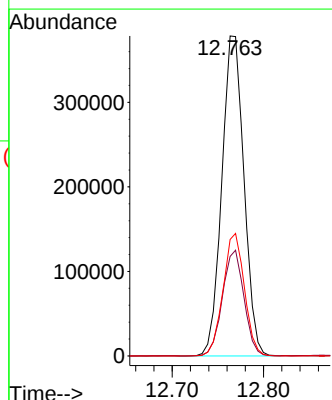
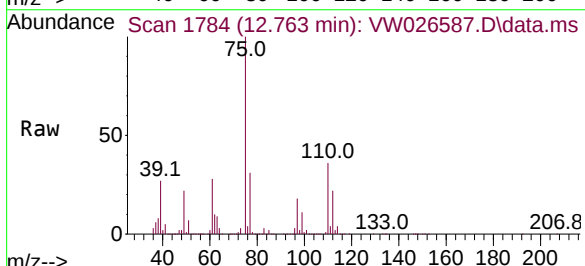
Tgt Ion: 75 Resp: 637801

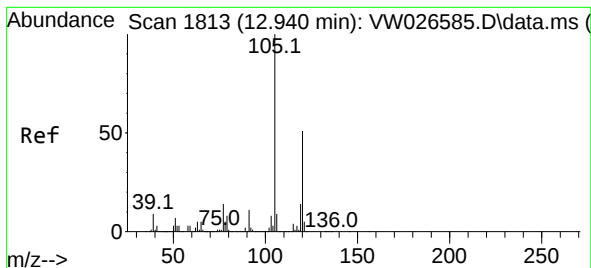
Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

110 37.0 28.3 42.5

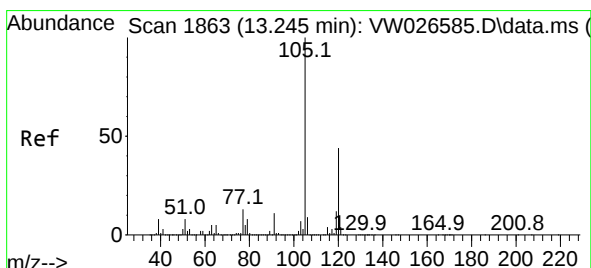
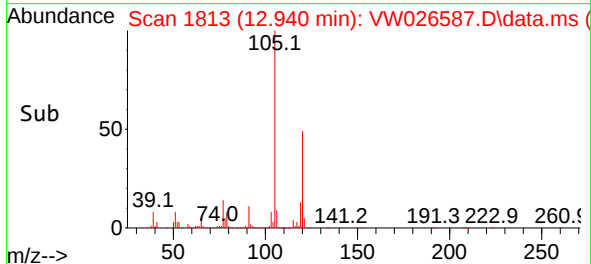
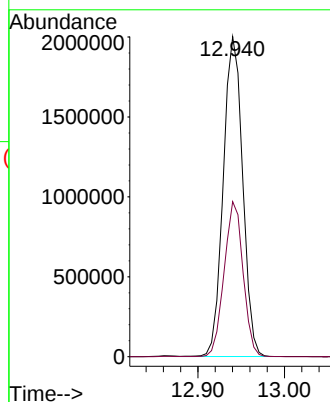
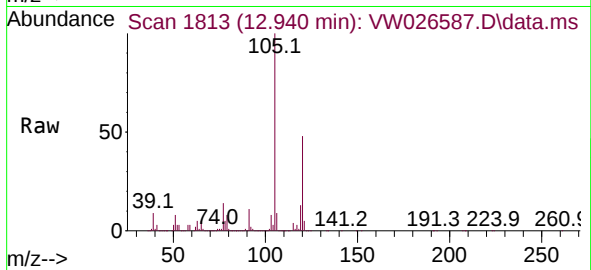




#62
 1,3,5-Trimethylbenzene
 Concen: 111.258 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW026587.D
 Acq: 11 Jul 2023 10:10

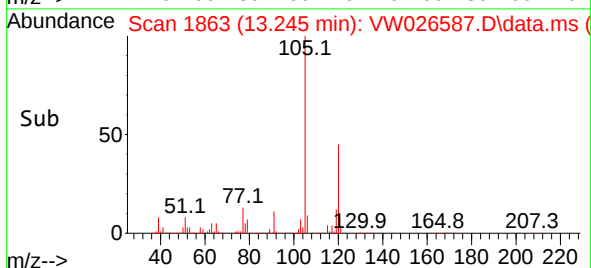
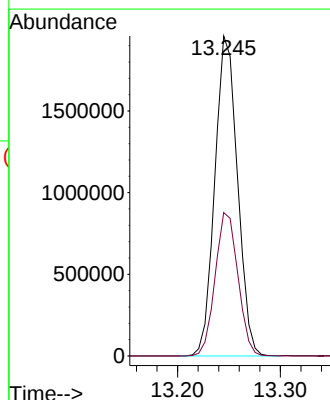
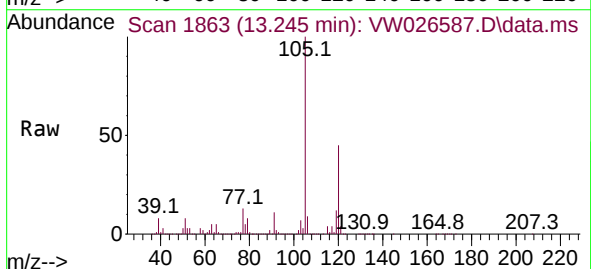
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100418

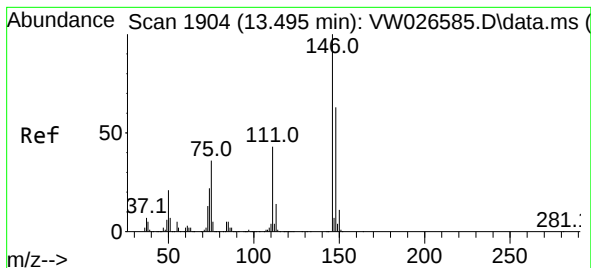
Tgt Ion:105 Resp: 3109626
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.4 57.6



#63
 1,2,4-Trimethylbenzene
 Concen: 108.126 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. 0.000 min
 Lab File: VW026587.D
 Acq: 11 Jul 2023 10:10

Tgt Ion:105 Resp: 2996255
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.2 52.8





#64

1,3-Dichlorobenzene

Concen: 97.844 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

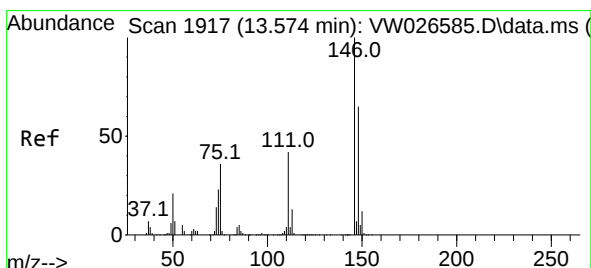
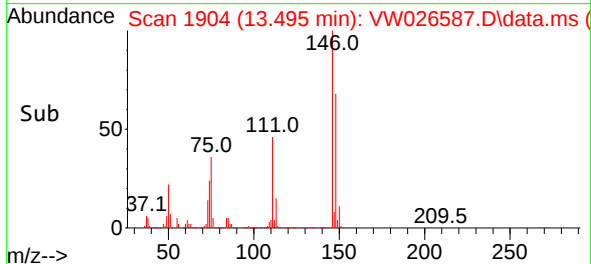
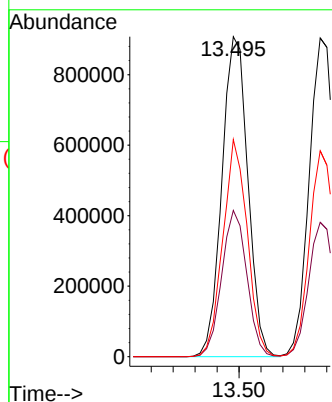
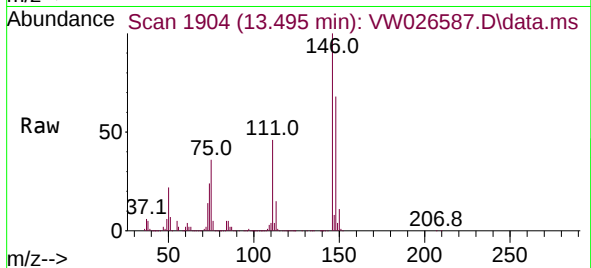
Tgt Ion:146 Resp: 1496112

Ion Ratio Lower Upper

146 100

111 45.7 30.4 56.4

148 67.8 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 97.973 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

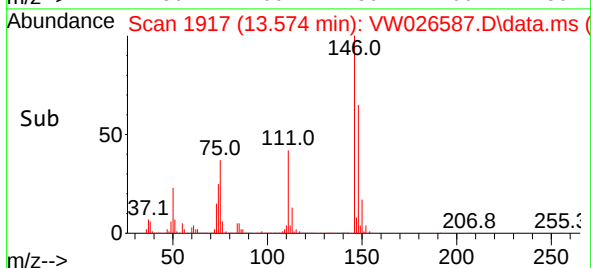
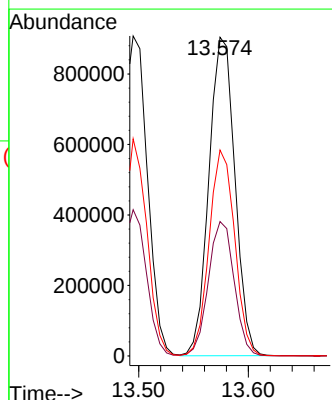
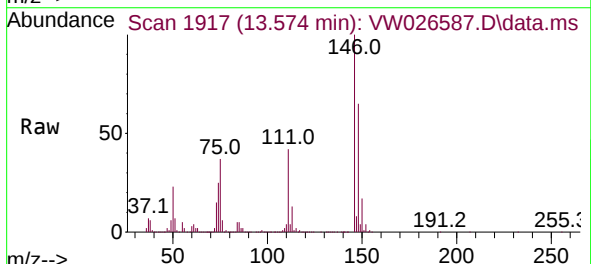
Tgt Ion:146 Resp: 1494043

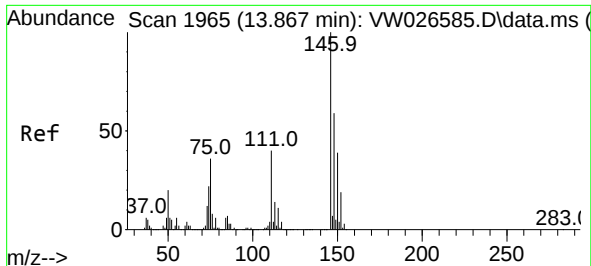
Ion Ratio Lower Upper

146 100

111 42.2 29.7 55.1

148 64.6 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 98.552 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

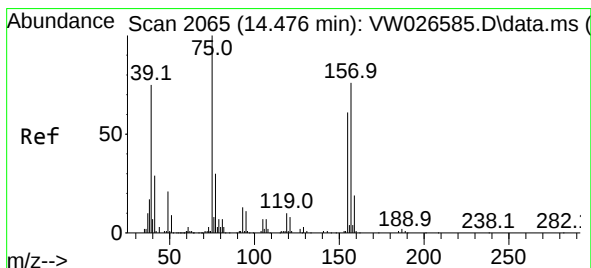
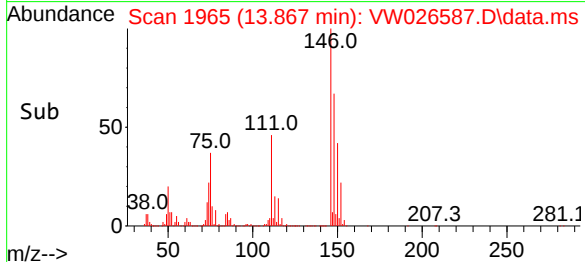
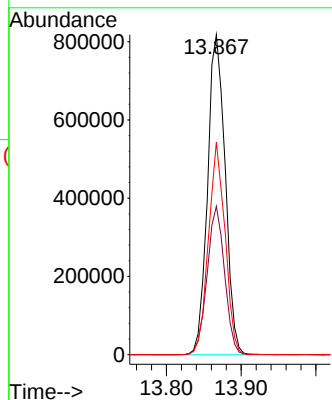
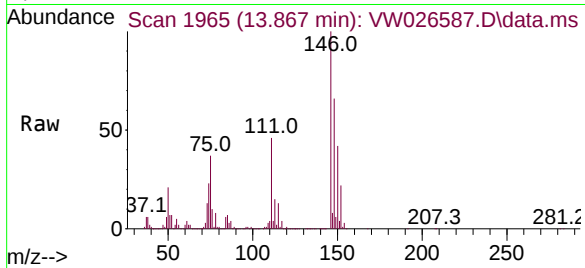
Tgt Ion:146 Resp: 1333670

Ion Ratio Lower Upper

146 100

111 46.4 31.8 47.8

148 66.4 46.9 70.3



#68

1,2-Dibromo-3-chloropropane

Concen: 106.154 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

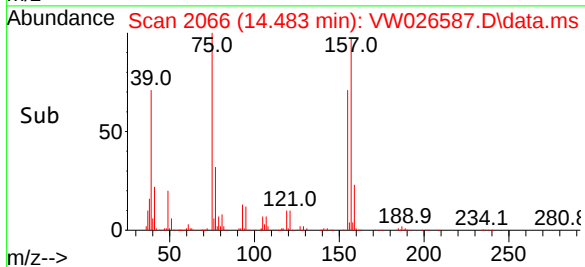
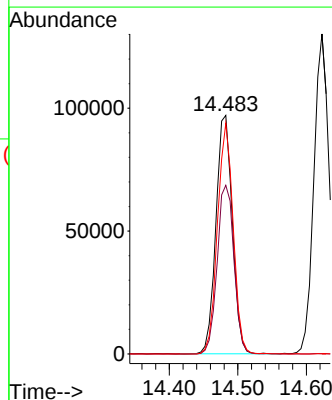
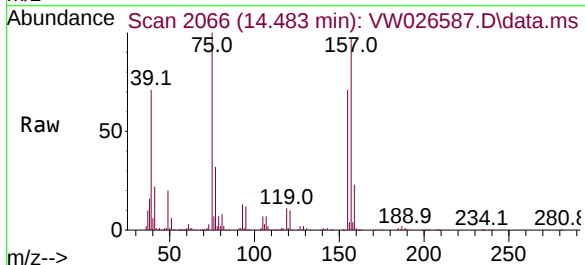
Tgt Ion: 75 Resp: 160784

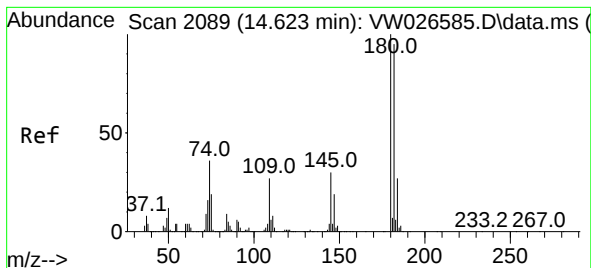
Ion Ratio Lower Upper

75 100

155 70.7 49.1 73.7

157 96.7 60.6 90.8#





#69

1,3,5-Trichlorobenzene

Concen: 97.553 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD100418

Tgt Ion:180 Resp: 987128

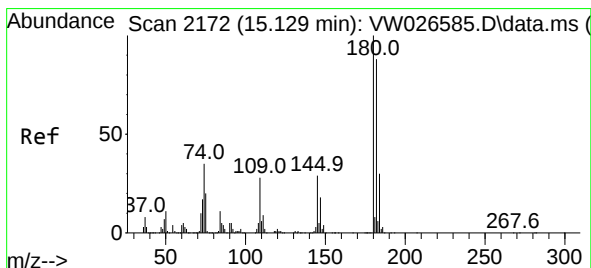
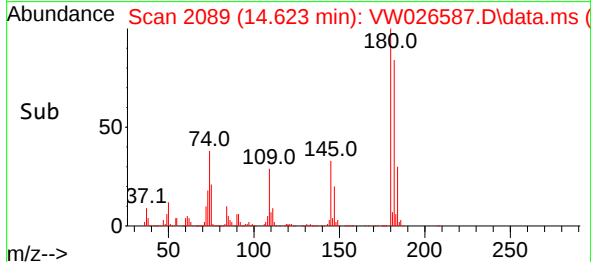
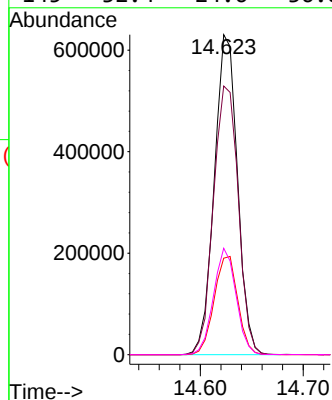
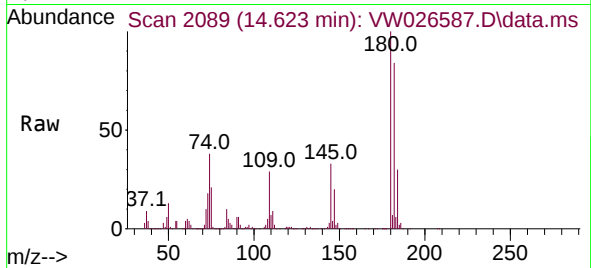
Ion Ratio Lower Upper

180 100

182 89.9 75.8 113.6

184 31.4 23.7 35.5

145 32.4 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 101.371 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026587.D

Acq: 11 Jul 2023 10:10

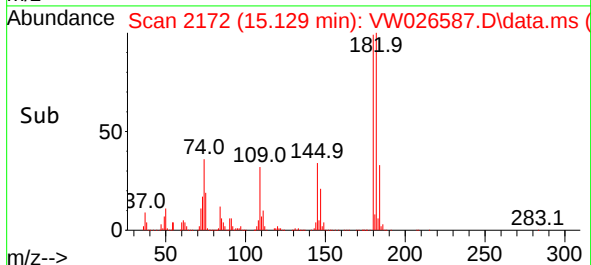
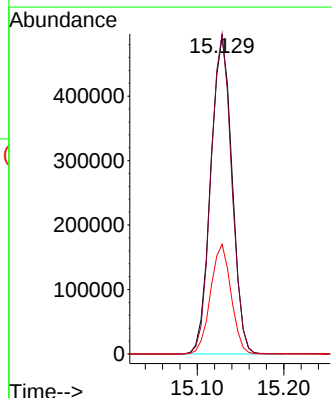
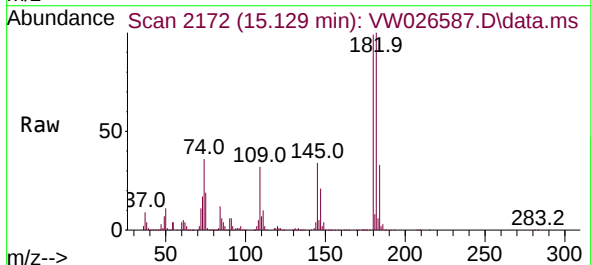
Tgt Ion:180 Resp: 841759

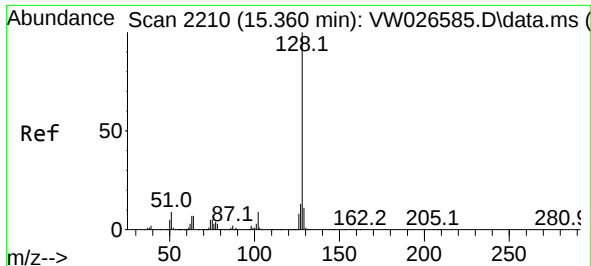
Ion Ratio Lower Upper

180 100

182 98.2 73.5 110.3

145 33.2 25.0 37.6

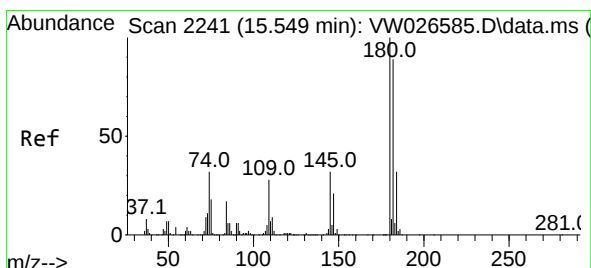
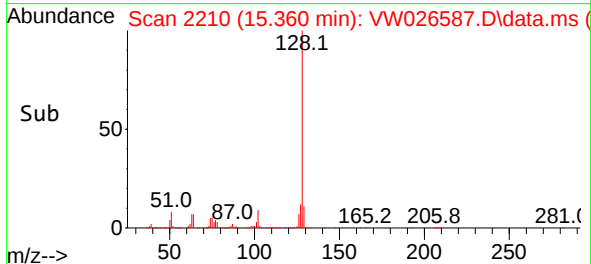
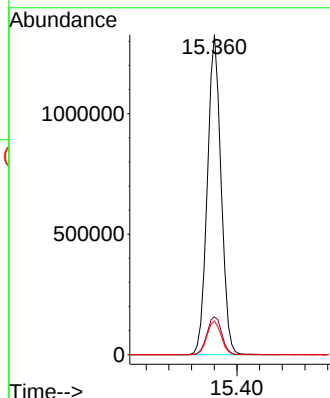
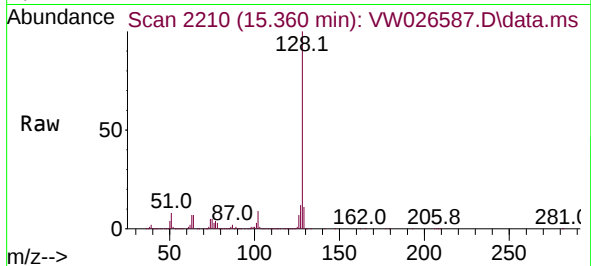




#71
Naphthalene
Concen: 117.917 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD100418

Tgt Ion:128 Resp: 2217379
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 100.957 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW026587.D
Acq: 11 Jul 2023 10:10

Tgt Ion:180 Resp: 789212
Ion Ratio Lower Upper
180 100
182 94.5 75.2 112.8
145 34.4 26.6 40.0

