

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070323\
 Data File : VW026517.D
 Acq On : 03 Jul 2023 19:56
 Operator : SY/MD
 Sample : VSTD005
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005404

Quant Time: Jul 04 01:45:33 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	398960	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	461494	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	233848	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	32641	5.895	ug/L	0.00
7) Chloroethane-d5	2.893	69	30684	6.863	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.015	65	5550	2.030	ug/L	-0.01
21) 2-Butanone-d5	7.075	46	24201	11.029	ug/L	0.00
24) Chloroform-d	7.648	84	59426	5.135	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	35491	5.277	ug/L	0.00
32) Benzene-d6	8.276	84	113761	3.676	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	35648	3.610	ug/L	0.00
41) Toluene-d8	10.325	98	103569	3.735	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.581	79	14713	3.716	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	18898	10.396	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	43204	5.376	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.854	152	53710	6.066	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	388	0.090	ug/L	89
3) Chloromethane	2.222	50	42320	6.201	ug/L	97
5) Vinyl chloride	2.375	62	46343	7.064	ug/L	95
6) Bromomethane	2.783	94	29329	7.819	ug/L	96
8) Chloroethane	2.930	64	30217	7.828	ug/L	94
9) Trichlorofluoromethane	3.259	101	24208	5.466	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	11485	2.191	ug/L #	57
12) 1,1-Dichloroethene	4.051	96	24170	4.828	ug/L	88
13) Acetone	4.118	43	15179	11.010	ug/L	98
14) Carbon disulfide	4.393	76	80420	5.087	ug/L	98
15) Methyl Acetate	4.667	43	17223	4.905	ug/L #	80
16) Methylene chloride	4.917	84	42589	6.184	ug/L	91
17) trans-1,2-Dichloroethene	5.429	96	31486	5.728	ug/L	96
18) Methyl tert-butyl Ether	5.429	73	55030	5.841	ug/L	97
19) 1,1-Dichloroethane	6.216	63	71583	6.157	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	37334	6.003	ug/L	98
22) 2-Butanone	7.173	43	32103	13.132	ug/L	96
23) Bromochloromethane	7.508	128	14715	5.595	ug/L	94
25) Chloroform	7.679	83	55453	5.124	ug/L	98
27) 1,2-Dichloroethane	8.398	62	43082	5.464	ug/L	98
29) Cyclohexane	7.953	56	48040	3.518	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	42099	3.894	ug/L	95
31) Carbon tetrachloride	8.069	117	38658	3.977	ug/L	100
33) Benzene	8.325	78	119887	3.822	ug/L	100
34) Trichloroethene	9.093	95	29969	3.726	ug/L	94
35) Methylcyclohexane	9.337	83	50450	3.669	ug/L	97
37) 1,2-Dichloropropane	9.367	63	32808	3.813	ug/L	100
38) Bromodichloromethane	9.642	83	39075	3.884	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	44721	3.555	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	49258	7.575	ug/L	93
42) Toluene	10.386	91	121750	3.807	ug/L	94
44) trans-1,3-Dichloropropene	10.605	75	37374	3.532	ug/L	99

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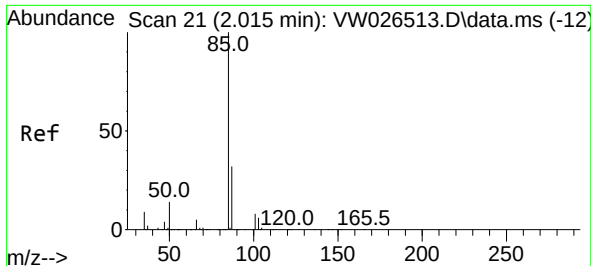
Quant Time: Jul 04 01:45:33 2023
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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	30923	5.181	ug/L	98
46) Tetrachloroethene	10.861	164	25339	4.679	ug/L	88
48) 2-Hexanone	10.971	43	40354	9.193	ug/L	99
49) Dibromochloromethane	11.129	129	26432	4.318	ug/L	90
50) 1,2-Dibromoethane	11.233	107	25679	4.587	ug/L	98
51) Chlorobenzene	11.654	112	100237	5.032	ug/L	97
52) Ethylbenzene	11.727	91	172006	4.754	ug/L	99
53) m,p-Xylene	11.836	106	60887	4.558	ug/L	99
54) o-Xylene	12.166	106	62611	4.913	ug/L	86
55) Styrene	12.178	104	108002	4.976	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	40498	5.231	ug/L	96
59) Bromoform	12.349	173	16909	4.624	ug/L	96
60) Isopropylbenzene	12.458	105	162092	4.453	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	29492	4.866	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	144246	4.909	ug/L	98
63) 1,2,4-Trimethylbenzene	13.251	105	131091	4.626	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	75411	4.946	ug/L	89
65) 1,4-Dichlorobenzene	13.574	146	74094	4.837	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	84625	6.203	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.482	75	8412	5.800	ug/L	91
69) 1,3,5-Trichlorobenzene	14.629	180	52419	5.195	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	32383	3.723	ug/L	99
71) Naphthalene	15.360	128	63410	3.285	ug/L	98
72) 1,2,3-Trichlorobenzene	15.555	180	28460	3.669	ug/L	97

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

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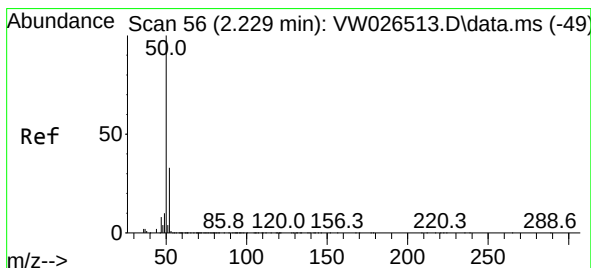
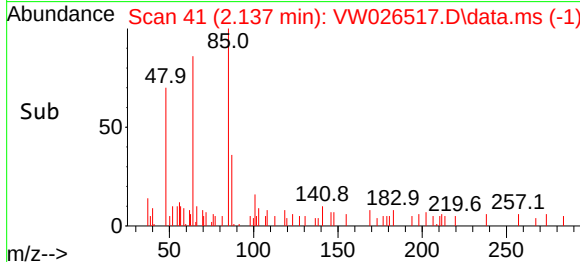
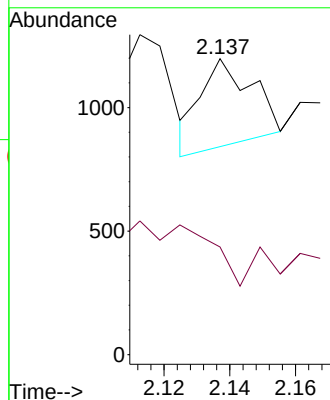
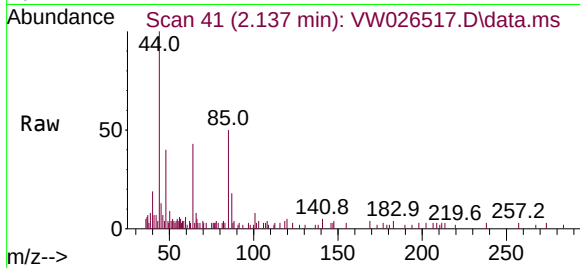




#2
Dichlorodifluoromethane
Concen: 0.090 ug/L
RT: 2.137 min Scan# 41
Delta R.T. 0.122 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

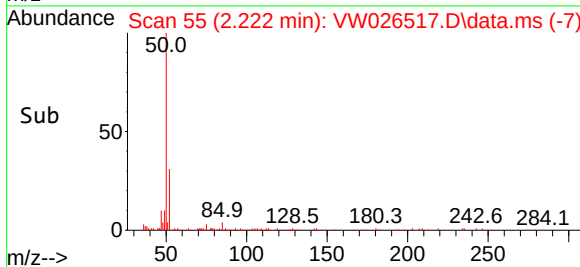
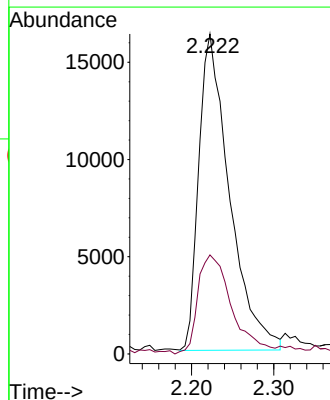
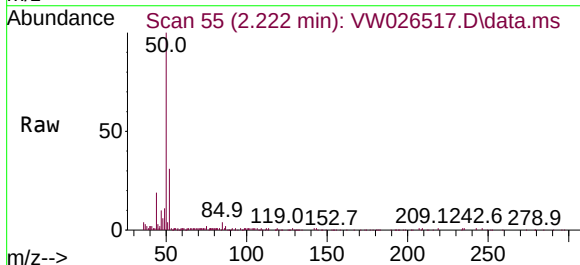
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

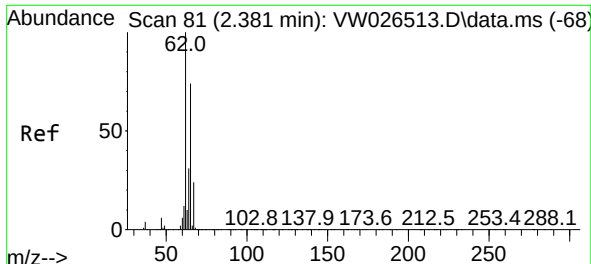
Tgt Ion: 85 Resp: 388
Ion Ratio Lower Upper
85 100
87 24.0 23.8 35.8



#3
Chloromethane
Concen: 6.201 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 50 Resp: 42320
Ion Ratio Lower Upper
50 100
52 30.9 22.7 42.1

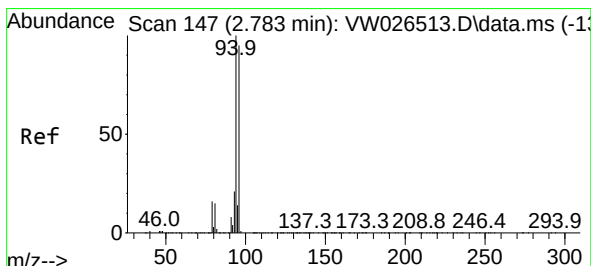
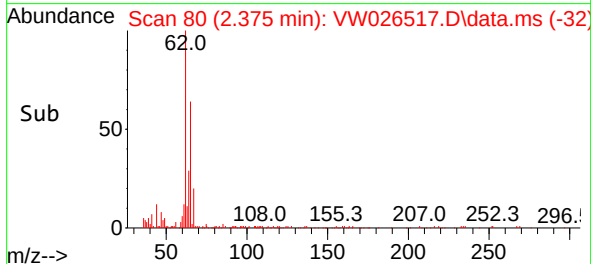
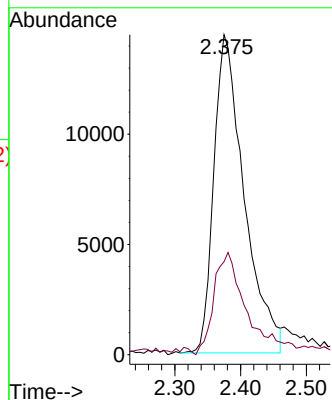
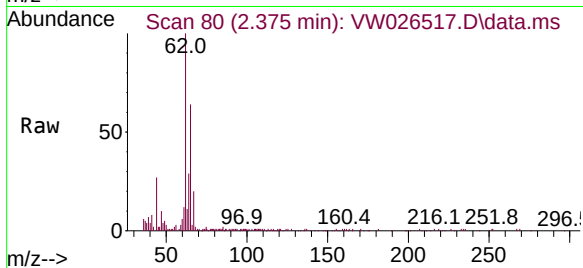




#5
 Vinyl chloride
 Concen: 7.064 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VW026517.D
 Acq: 03 Jul 2023 19:56

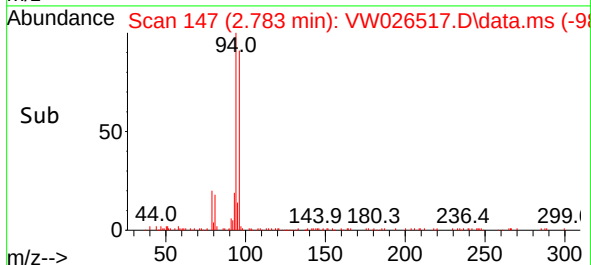
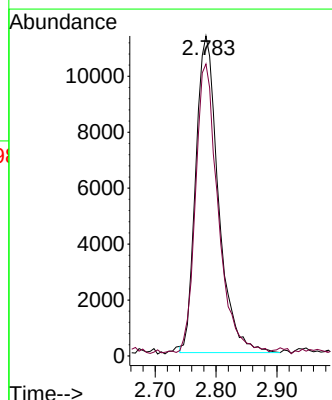
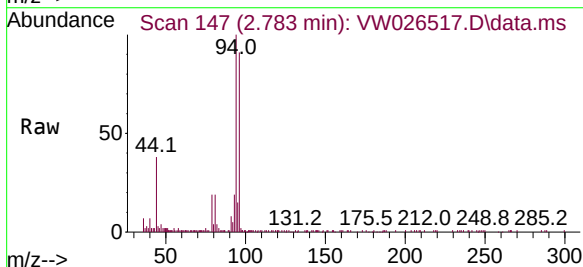
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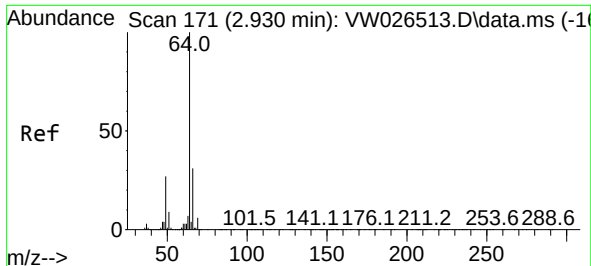
Tgt Ion: 62 Resp: 46343
 Ion Ratio Lower Upper
 62 100
 64 29.0 22.1 41.1



#6
 Bromomethane
 Concen: 7.819 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VW026517.D
 Acq: 03 Jul 2023 19:56

Tgt Ion: 94 Resp: 29329
 Ion Ratio Lower Upper
 94 100
 96 91.3 66.3 123.1

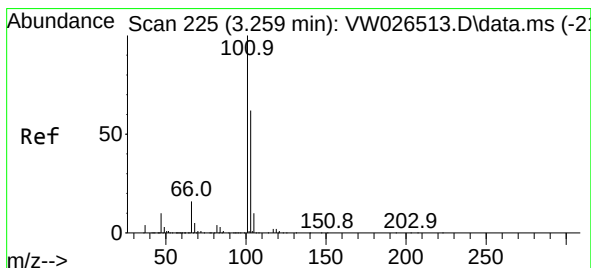
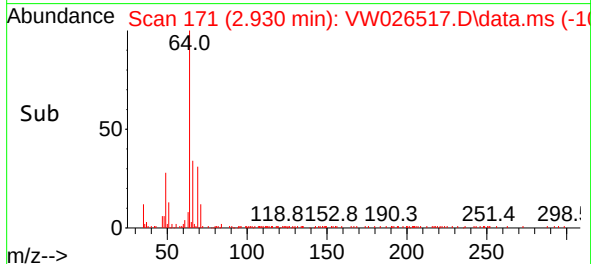
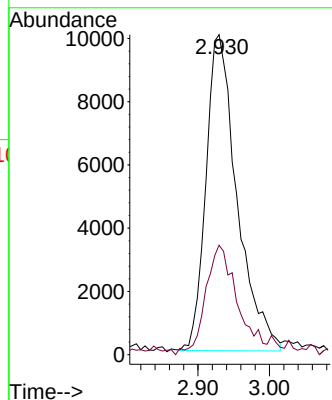
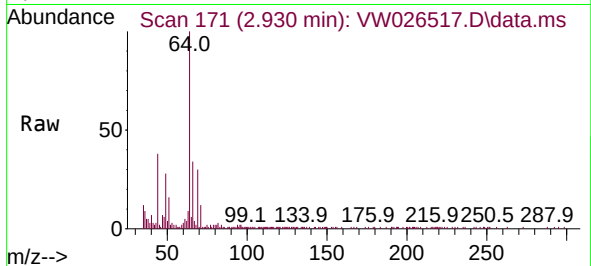




#8
Chloroethane
Concen: 7.828 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

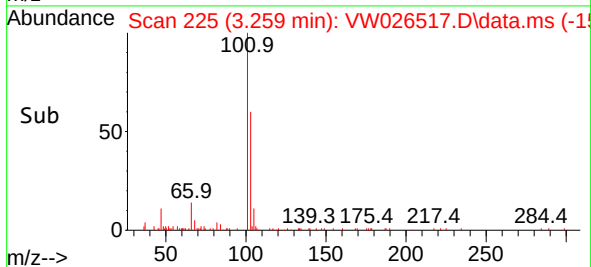
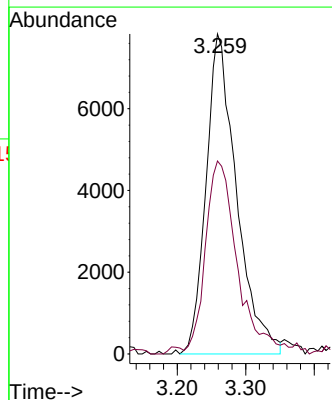
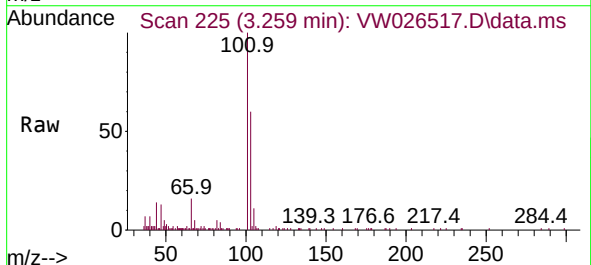
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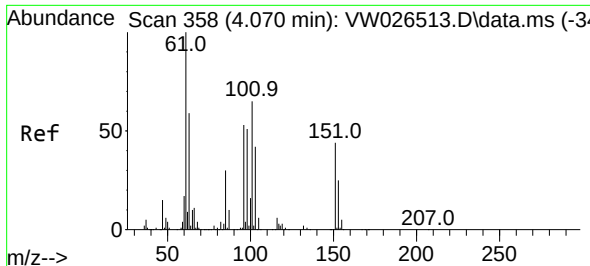
Tgt Ion: 64 Resp: 30217
Ion Ratio Lower Upper
64 100
66 34.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.466 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 101 Resp: 24208
Ion Ratio Lower Upper
101 100
103 57.3 51.8 77.8

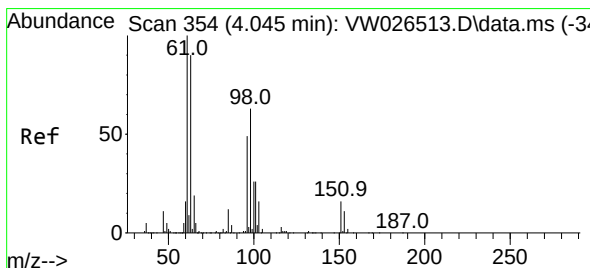
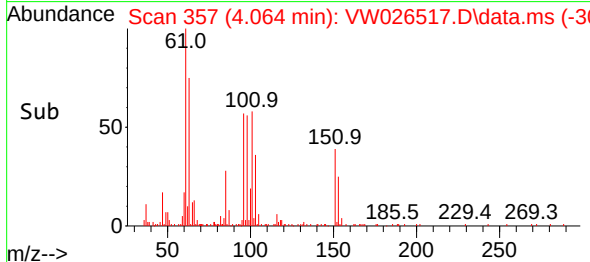
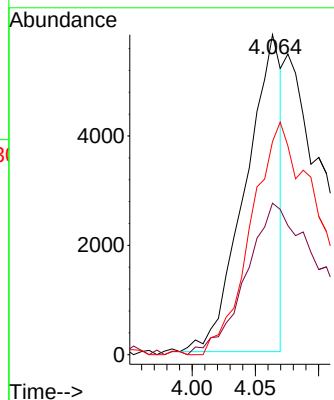
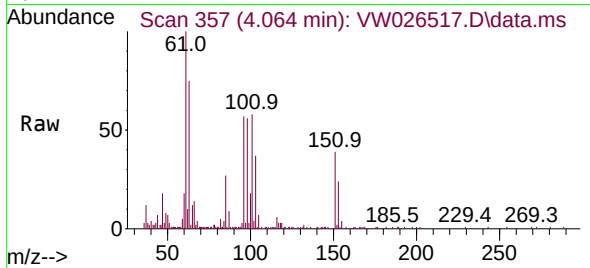




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.191 ug/L
 RT: 4.064 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW026517.D
 Acq: 03 Jul 2023 19:56

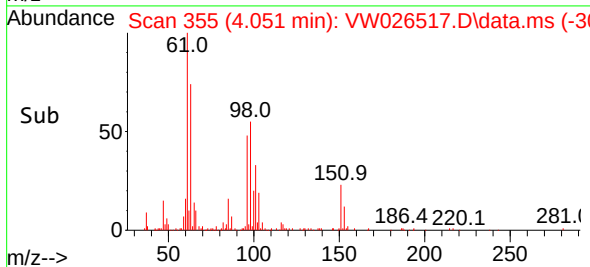
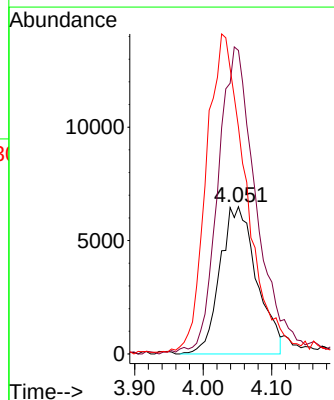
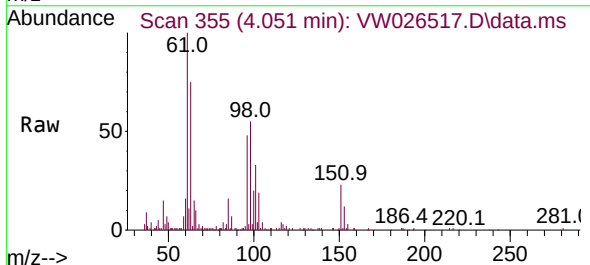
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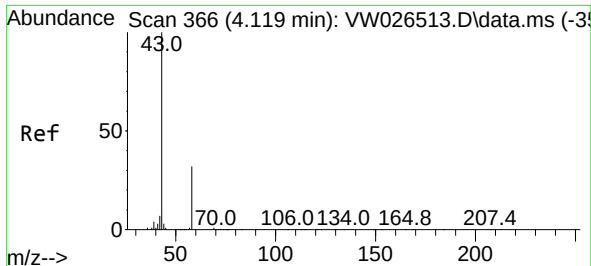
Tgt Ion:101 Resp: 11485
 Ion Ratio Lower Upper
 101 100
 85 92.3 35.4 53.0#
 151 87.3 55.2 82.8#



#12
 1,1-Dichloroethene
 Concen: 4.828 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW026517.D
 Acq: 03 Jul 2023 19:56

Tgt Ion: 96 Resp: 24170
 Ion Ratio Lower Upper
 96 100
 61 206.3 142.9 265.5
 63 154.2 132.7 246.5

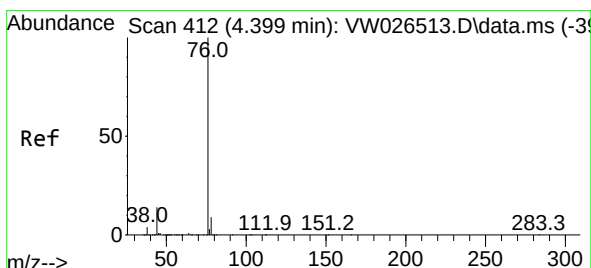
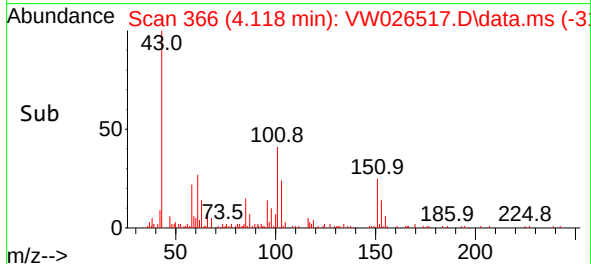
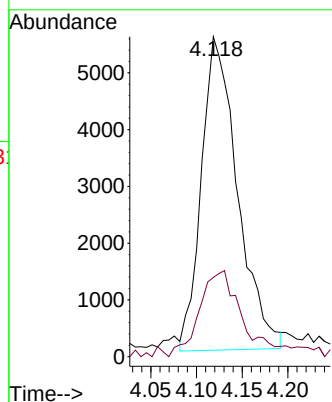
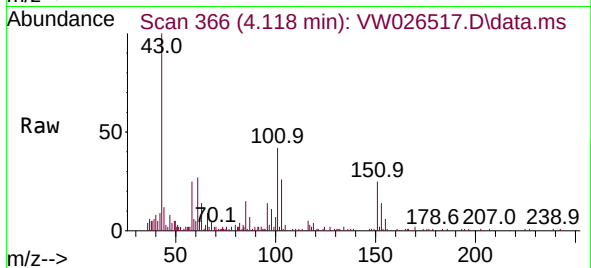




#13
Acetone
Concen: 11.010 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
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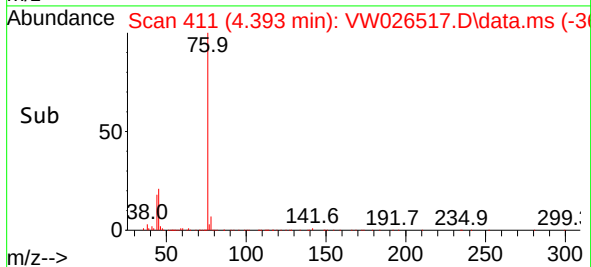
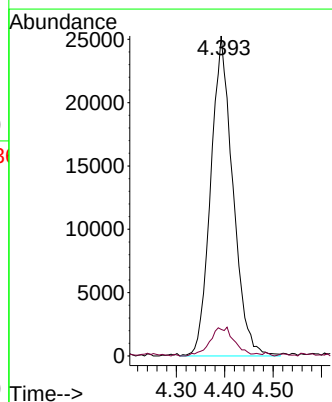
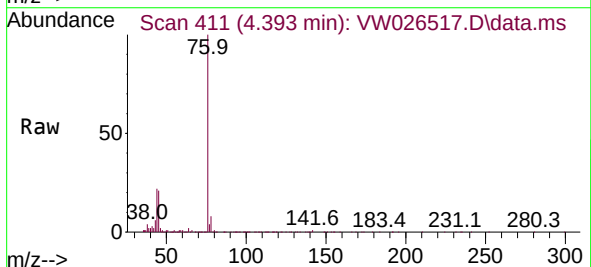
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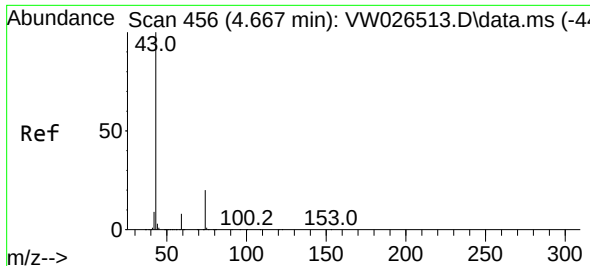
Tgt Ion: 43 Resp: 15179
Ion Ratio Lower Upper
43 100
58 28.7 0.0 59.6



#14
Carbon disulfide
Concen: 5.087 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 76 Resp: 80420
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8

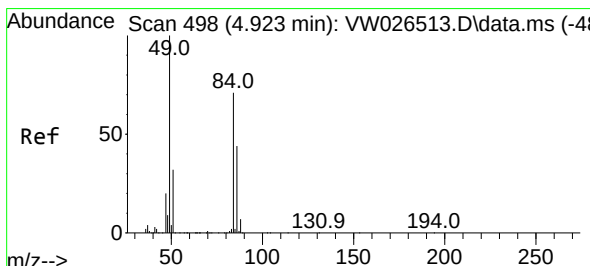
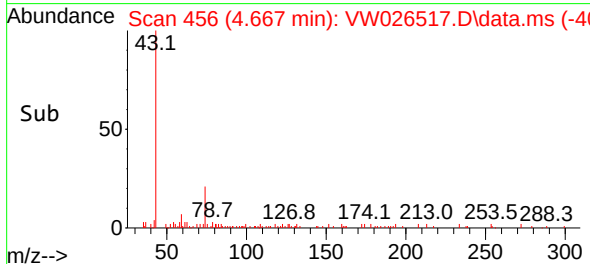
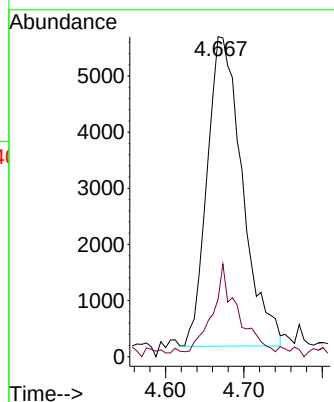
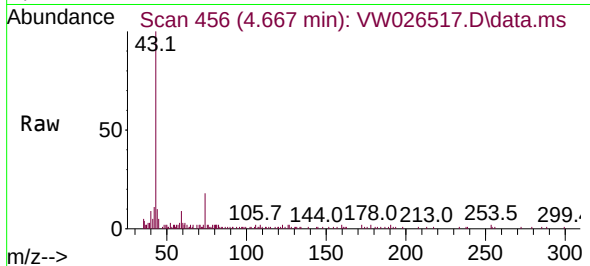




#15
Methyl Acetate
Concen: 4.905 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

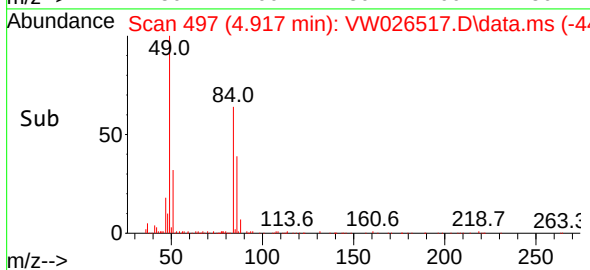
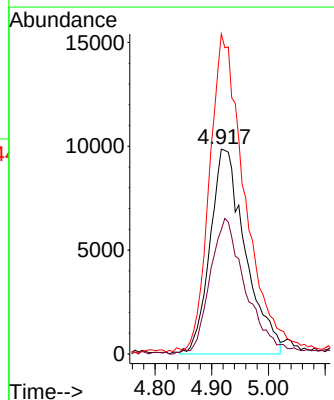
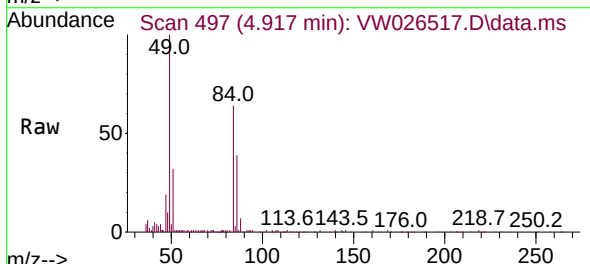
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ClientSampleId :
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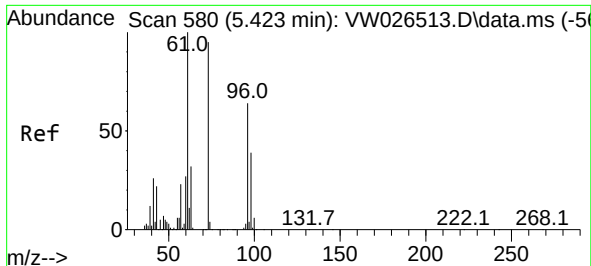
Tgt Ion: 43 Resp: 17223
Ion Ratio Lower Upper
43 100
74 11.6 16.6 24.8#



#16
Methylene chloride
Concen: 6.184 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 84 Resp: 42589
Ion Ratio Lower Upper
84 100
86 60.7 43.3 80.5
49 156.3 99.3 184.3

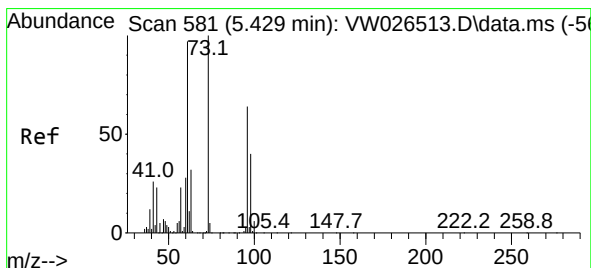
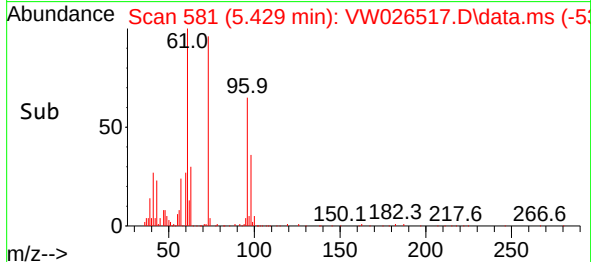
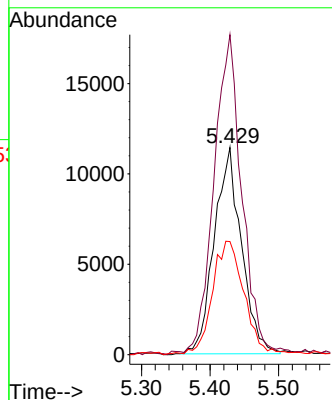
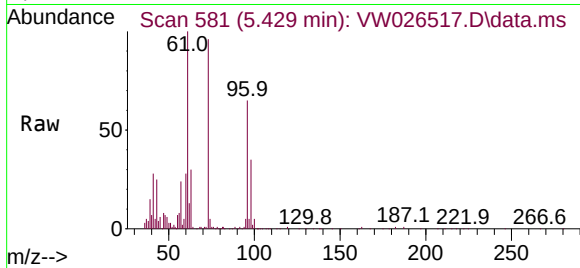




#17
trans-1,2-Dichloroethene
Concen: 5.728 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

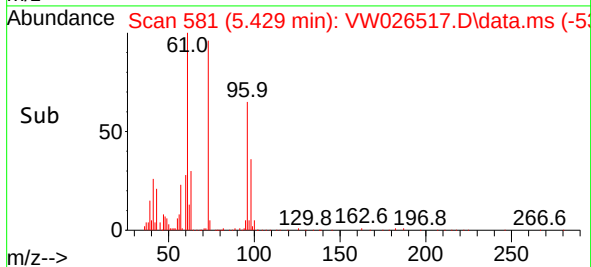
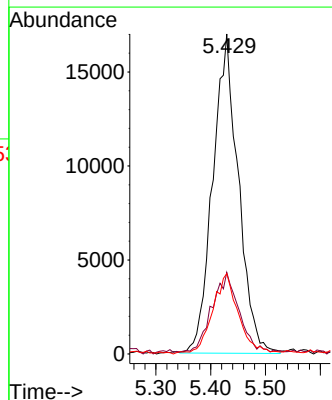
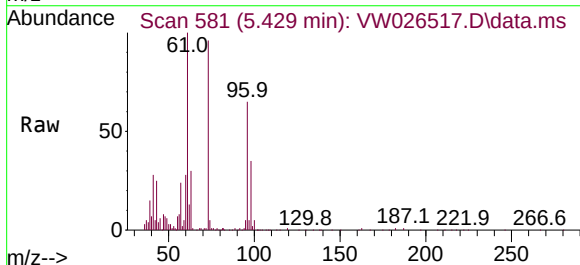
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

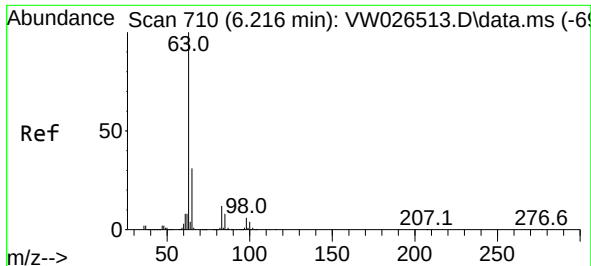
Tgt Ion: 96 Resp: 31486
Ion Ratio Lower Upper
96 100
61 154.4 109.7 203.7
98 54.6 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 5.841 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 73 Resp: 55030
Ion Ratio Lower Upper
73 100
43 24.7 17.8 26.8
57 23.8 18.8 28.2





#19

1,1-Dichloroethane

Concen: 6.157 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

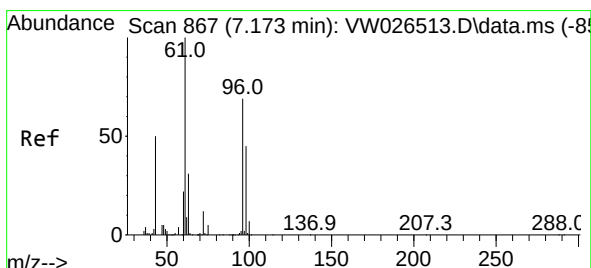
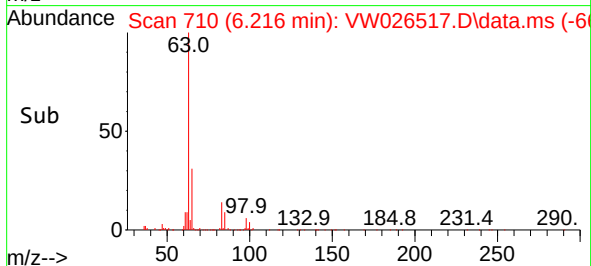
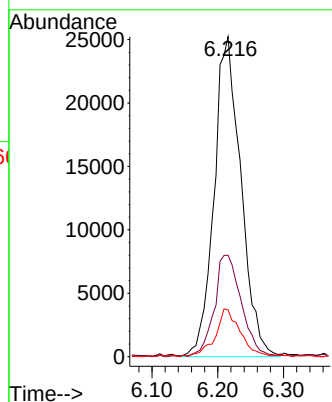
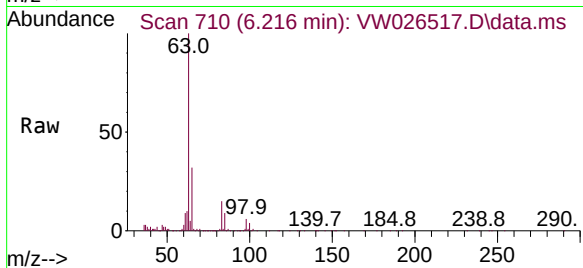
Tgt Ion: 63 Resp: 71583

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

83 14.7 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 6.003 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

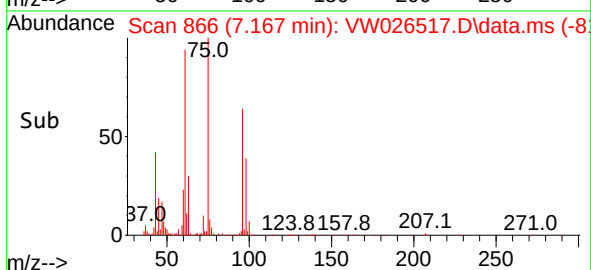
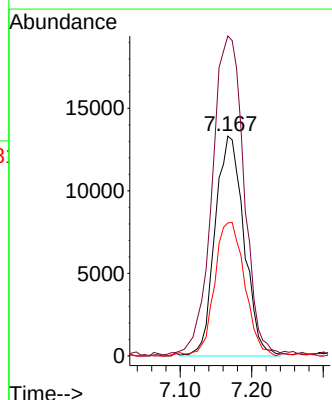
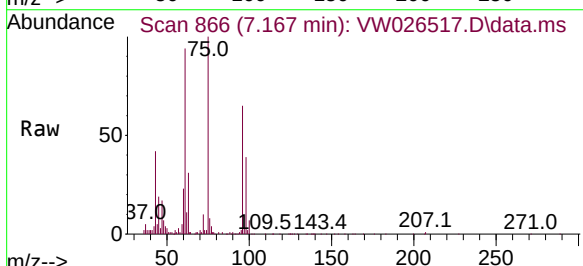
Tgt Ion: 96 Resp: 37334

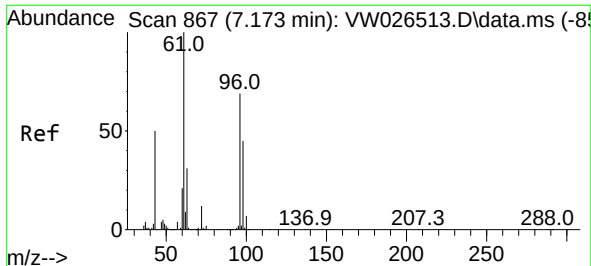
Ion Ratio Lower Upper

96 100

61 145.6 101.9 189.3

98 60.6 45.9 85.3

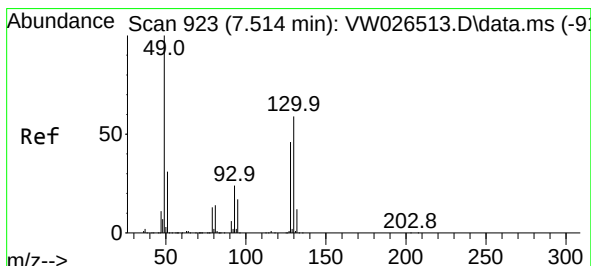
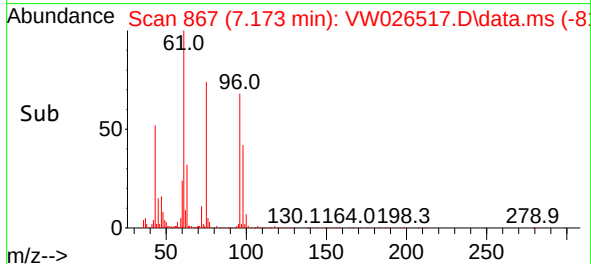
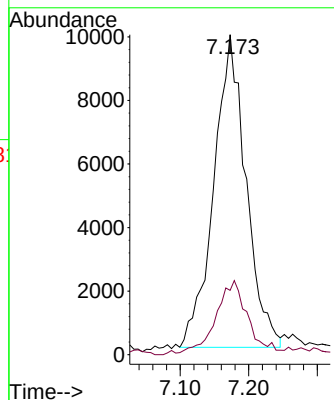
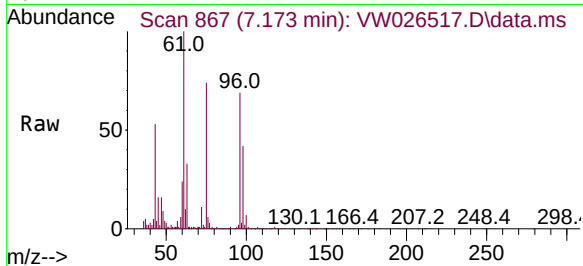




#22
2-Butanone
Concen: 13.132 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

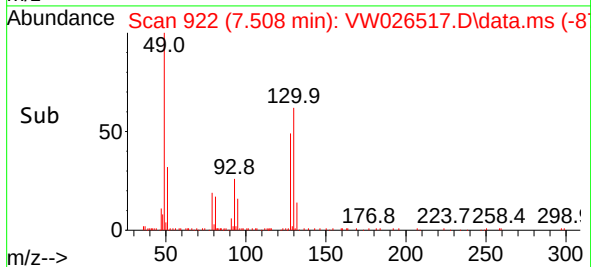
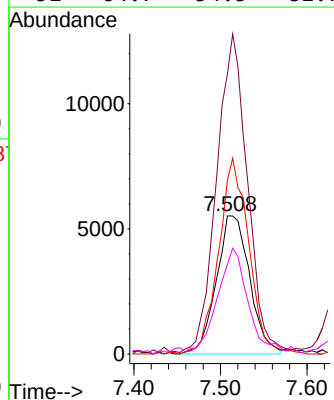
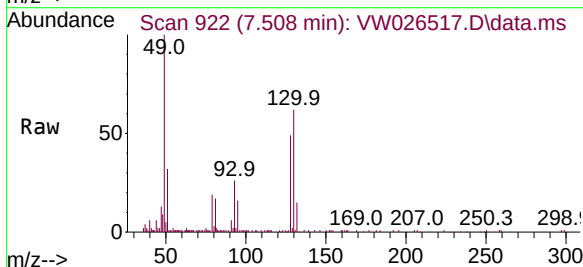
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

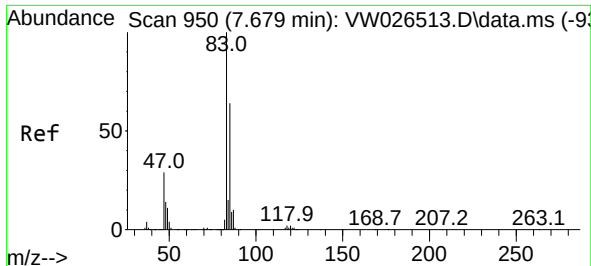
Tgt Ion: 43 Resp: 32103
Ion Ratio Lower Upper
43 100
72 22.2 12.0 36.1



#23
Bromochloromethane
Concen: 5.595 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.006 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 128 Resp: 14715
Ion Ratio Lower Upper
128 100
49 202.7 152.2 282.7
130 125.7 89.2 165.8
51 64.7 54.5 81.7

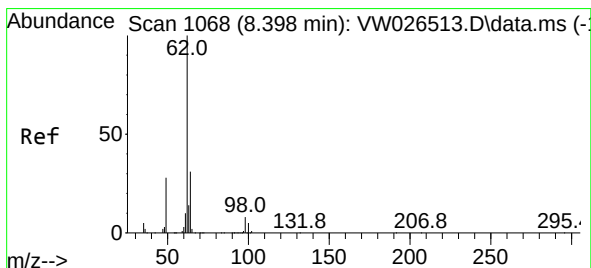
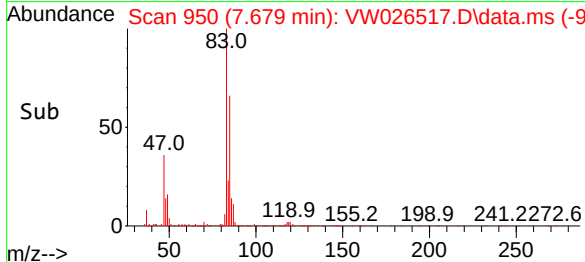
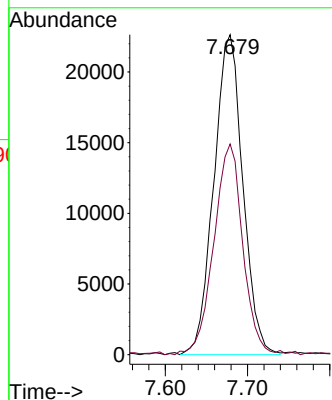
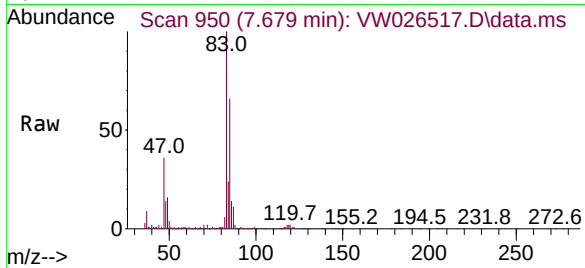




#25
Chloroform
Concen: 5.124 ug/L
RT: 7.679 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

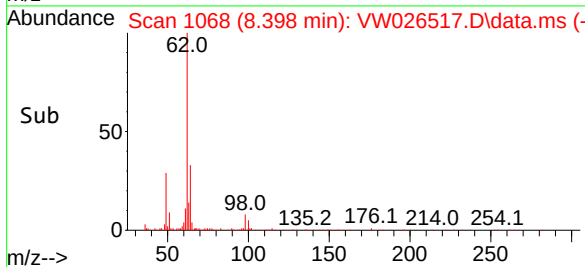
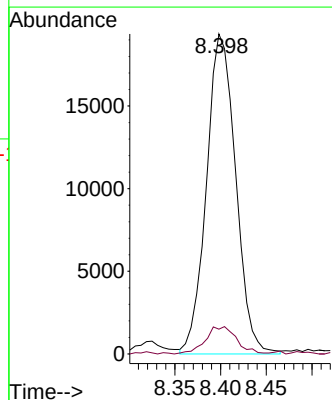
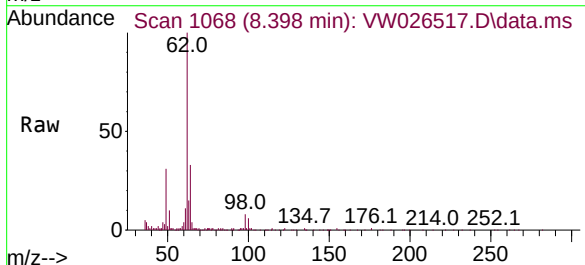
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

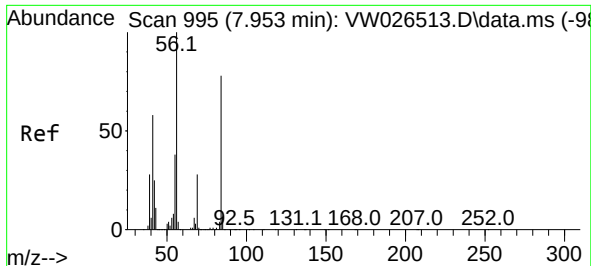
Tgt Ion: 83 Resp: 55453
Ion Ratio Lower Upper
83 100
85 65.9 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.464 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 62 Resp: 43082
Ion Ratio Lower Upper
62 100
98 7.7 6.8 10.2

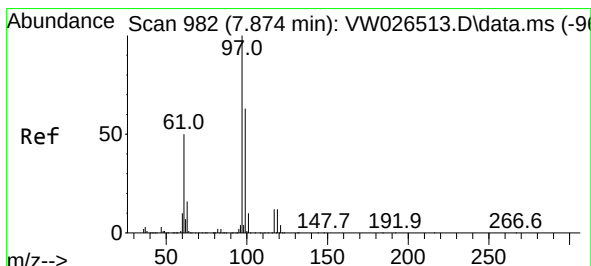
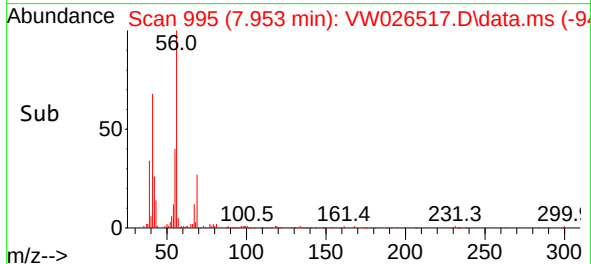
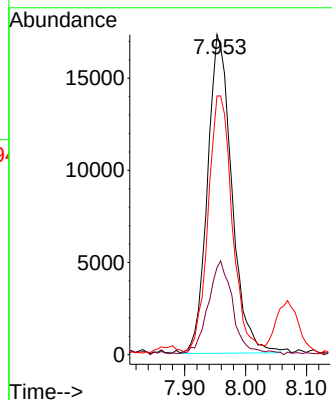
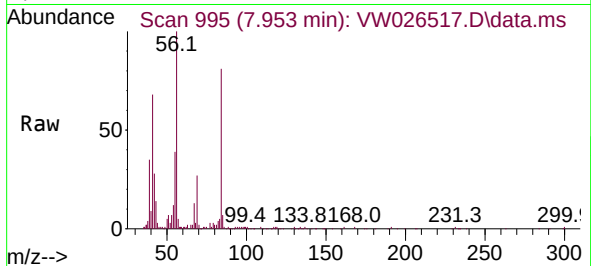




#29
Cyclohexane
Concen: 3.518 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

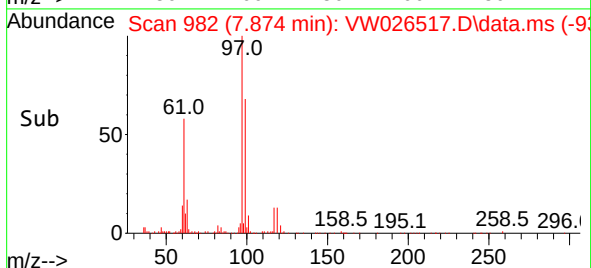
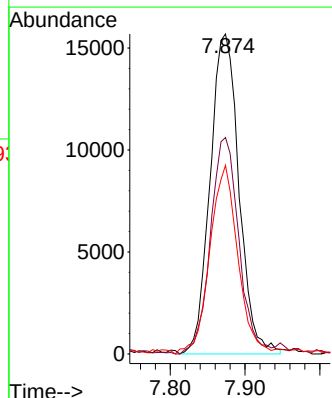
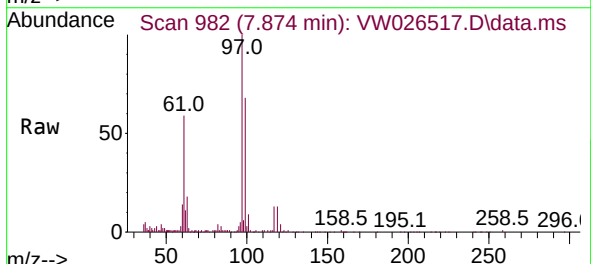
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

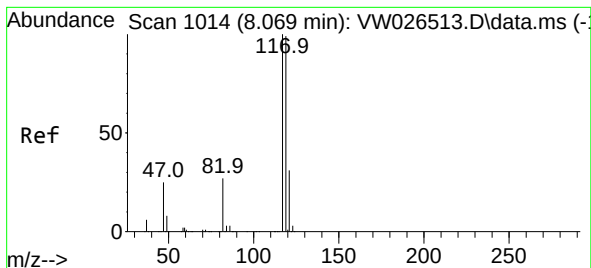
Tgt Ion: 56 Resp: 48040
Ion Ratio Lower Upper
56 100
69 28.6 22.9 34.3
84 80.7 62.5 93.7



#30
1,1,1-Trichloroethane
Concen: 3.894 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 97 Resp: 42099
Ion Ratio Lower Upper
97 100
99 66.4 52.2 78.2
61 57.0 40.2 60.2





#31

Carbon tetrachloride

Concen: 3.977 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

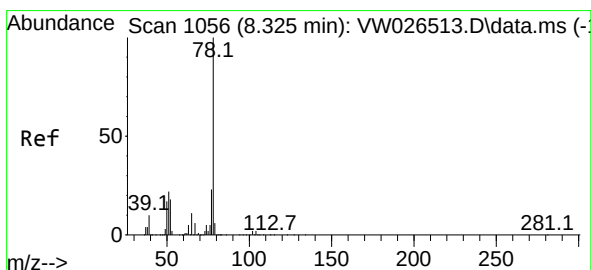
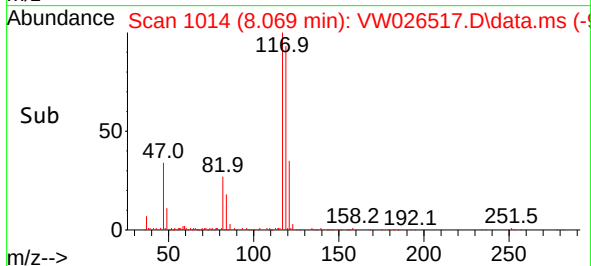
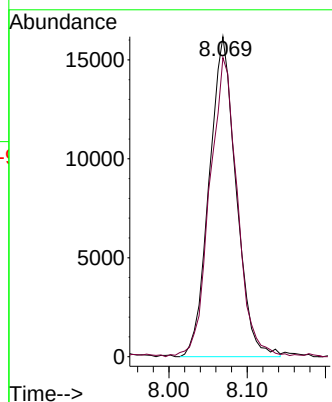
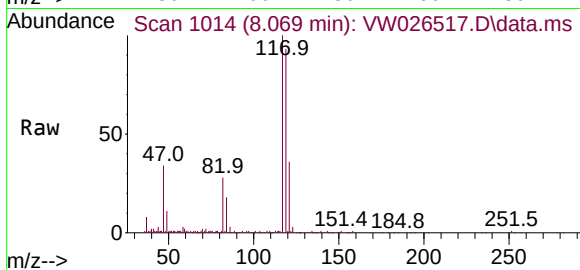
VSTD005404

Tgt Ion:117 Resp: 38658

Ion Ratio Lower Upper

117 100

119 95.5 76.3 114.5



#33

Benzene

Concen: 3.822 ug/L

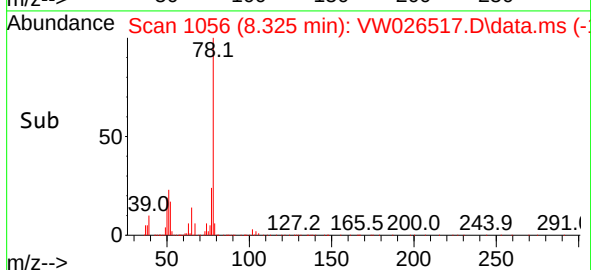
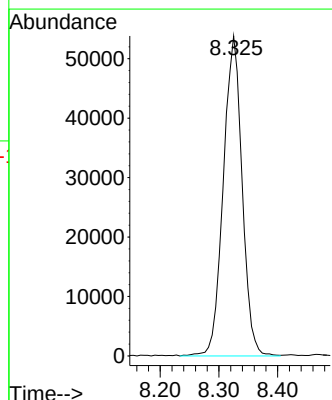
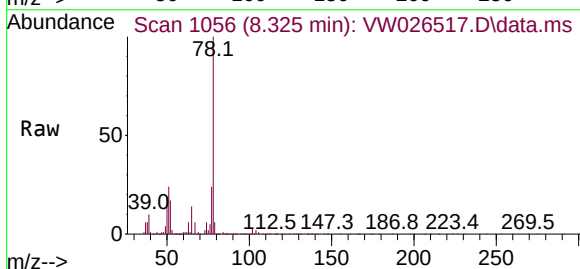
RT: 8.325 min Scan# 1056

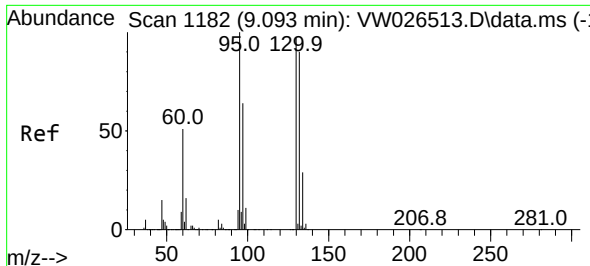
Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Tgt Ion: 78 Resp: 119887



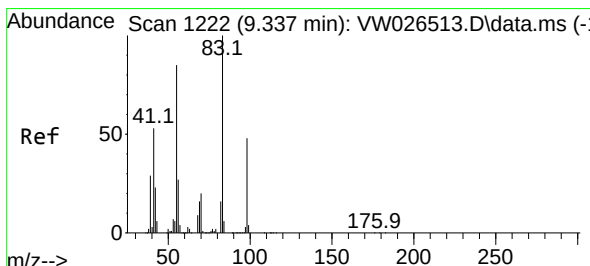
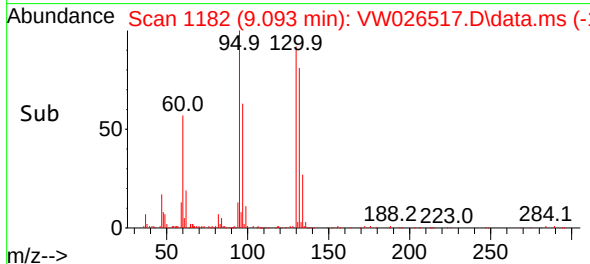
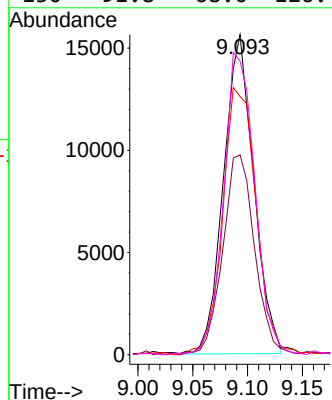
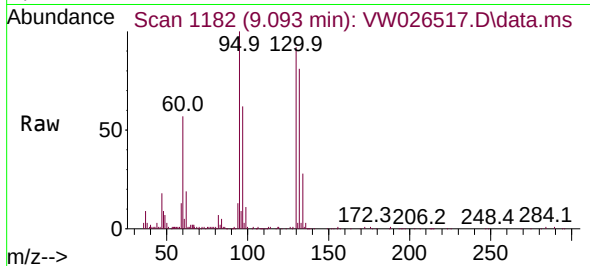


#34
Trichloroethene
Concen: 3.726 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

Tgt Ion: 95 Resp: 29969

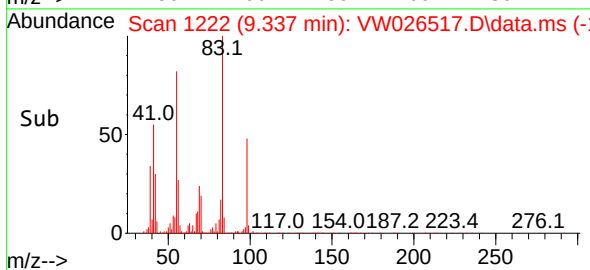
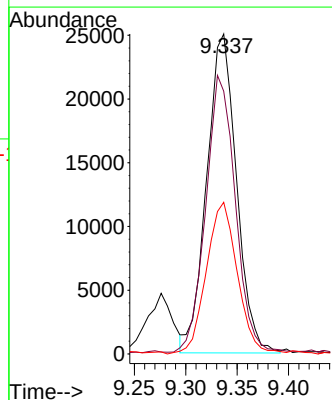
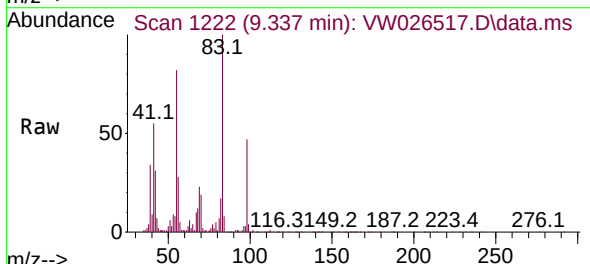
Ion	Ratio	Lower	Upper
95	100		
97	62.4	45.1	83.7
132	80.7	63.2	117.4
130	91.8	68.0	126.4

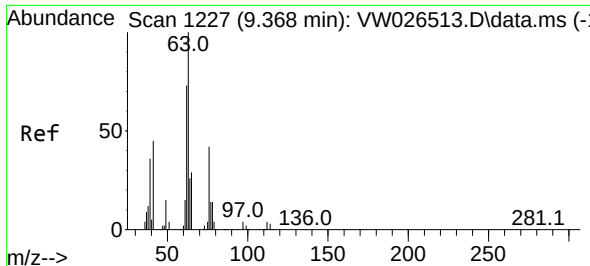


#35
Methylcyclohexane
Concen: 3.669 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 83 Resp: 50450

Ion	Ratio	Lower	Upper
83	100		
55	86.5	67.5	101.3
98	49.5	37.3	55.9





#37

1,2-Dichloropropane

Concen: 3.813 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

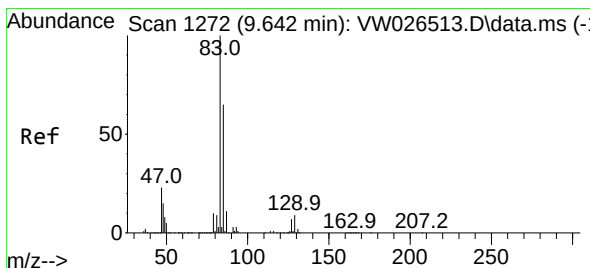
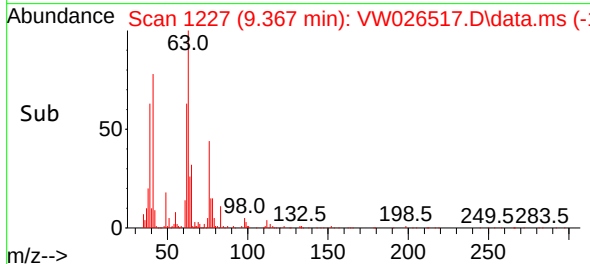
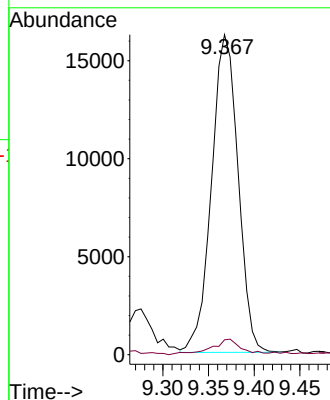
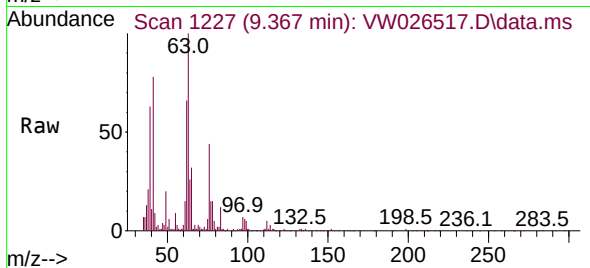
VSTD005404

Tgt Ion: 63 Resp: 32808

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 3.884 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

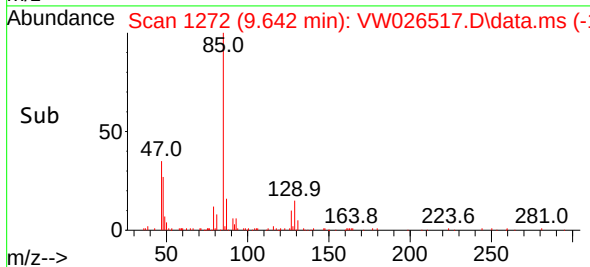
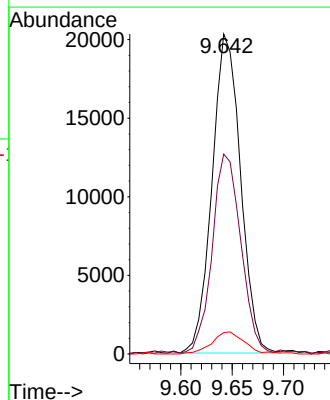
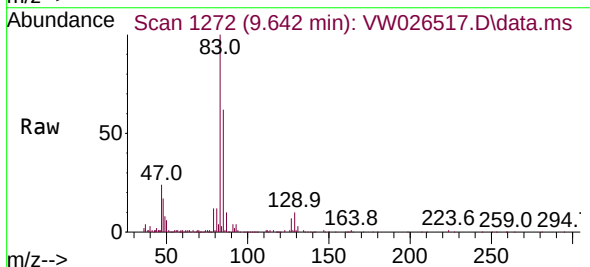
Tgt Ion: 83 Resp: 39075

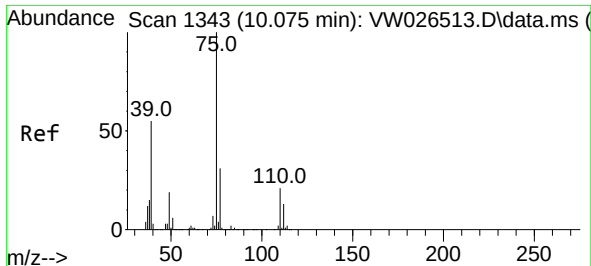
Ion Ratio Lower Upper

83 100

85 62.5 45.4 84.2

127 6.6 5.2 7.8





#39

cis-1,3-Dichloropropene

Concen: 3.555 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

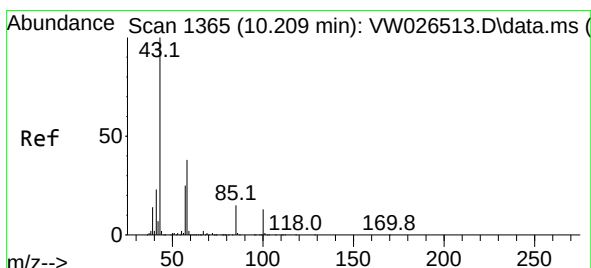
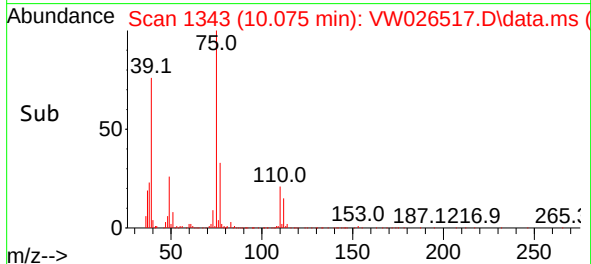
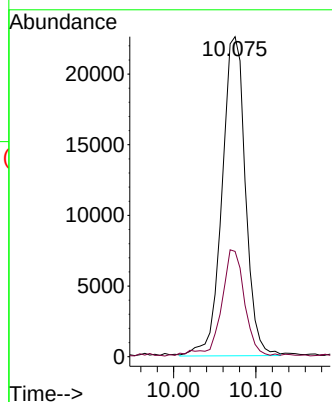
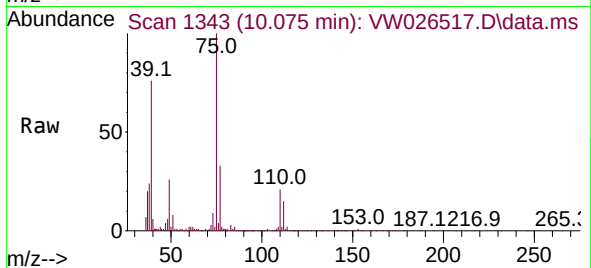
VSTD005404

Tgt Ion: 75 Resp: 44721

Ion Ratio Lower Upper

75 100

77 32.9 21.6 40.0



#40

4-Methyl-2-pentanone

Concen: 7.575 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

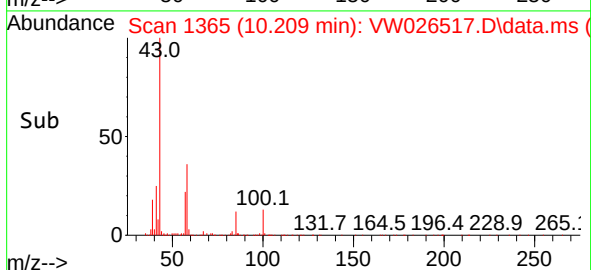
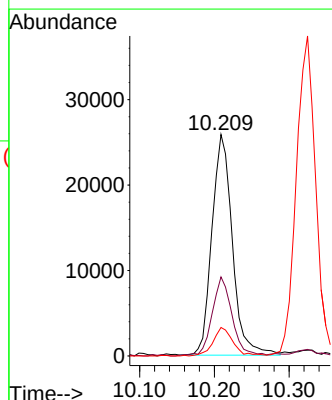
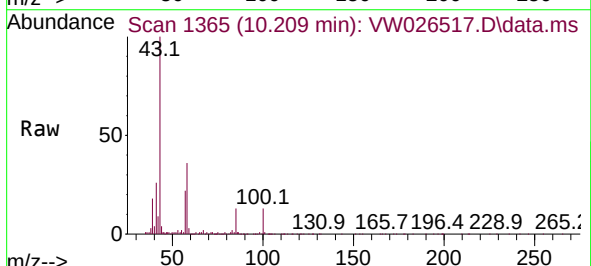
Tgt Ion: 43 Resp: 49258

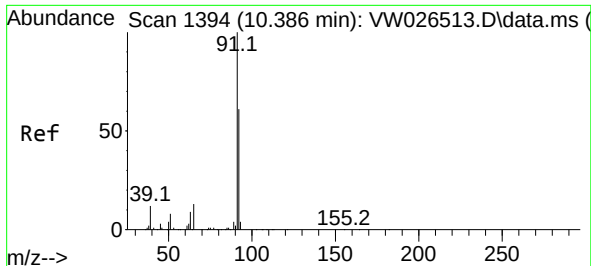
Ion Ratio Lower Upper

43 100

58 32.6 29.8 44.8

100 11.9 10.6 15.8

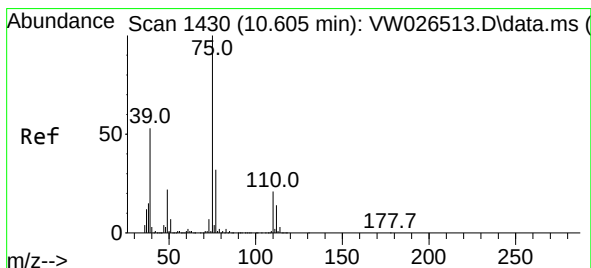
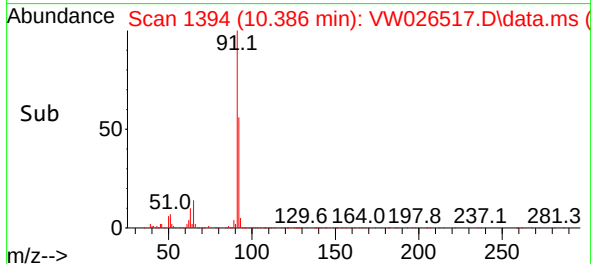
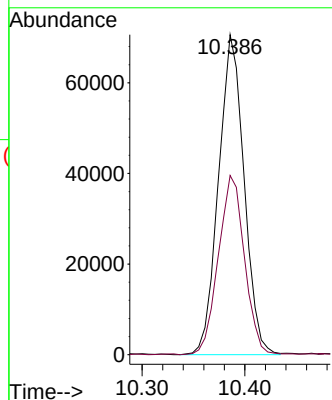
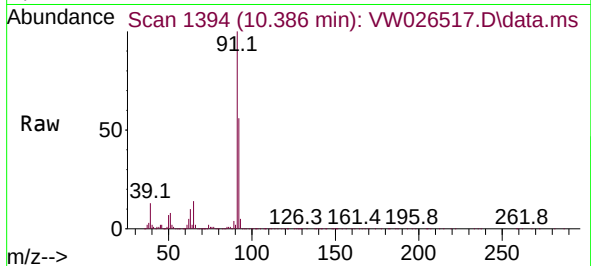




#42
Toluene
Concen: 3.807 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

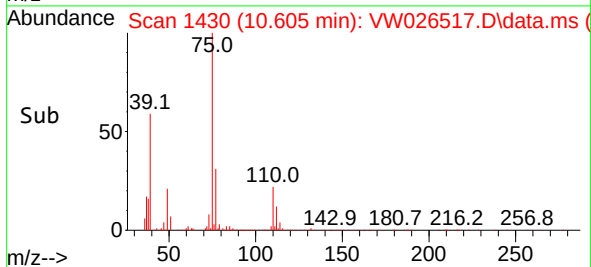
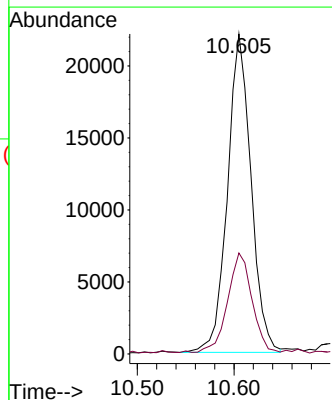
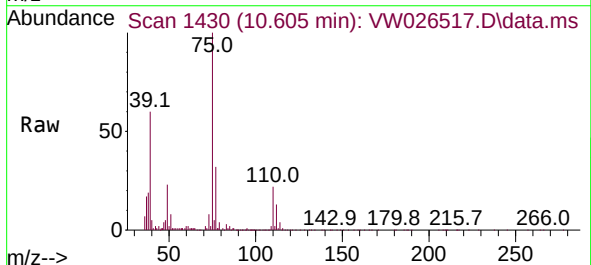
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

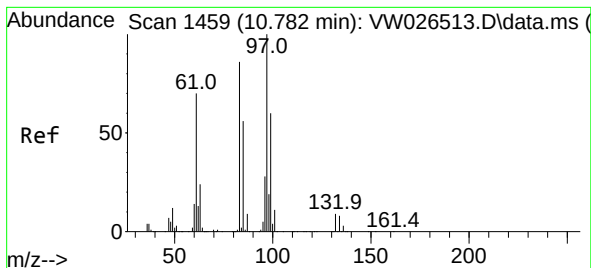
Tgt Ion: 91 Resp: 121750
Ion Ratio Lower Upper
91 100
92 56.0 42.4 78.8



#44
trans-1,3-Dichloropropene
Concen: 3.532 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion: 75 Resp: 37374
Ion Ratio Lower Upper
75 100
77 31.6 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 5.181 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

Tgt Ion: 97 Resp: 30923

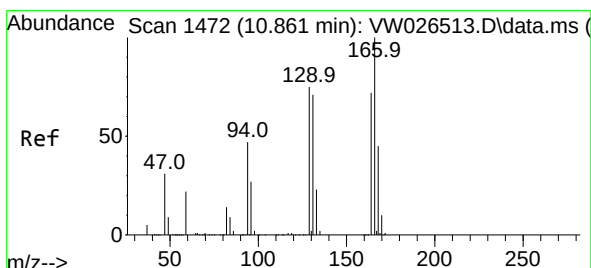
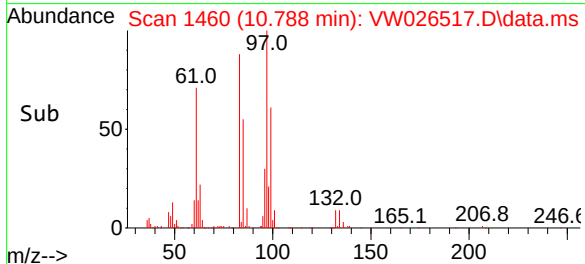
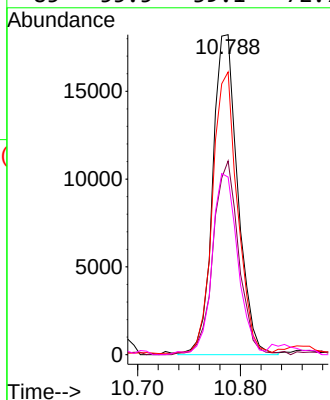
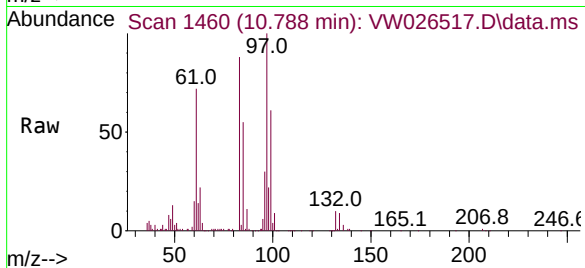
Ion Ratio Lower Upper

97 100

99 60.5 42.1 78.1

83 88.4 59.9 111.3

85 55.5 39.1 72.7



#46

Tetrachloroethene

Concen: 4.679 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Tgt Ion:164 Resp: 25339

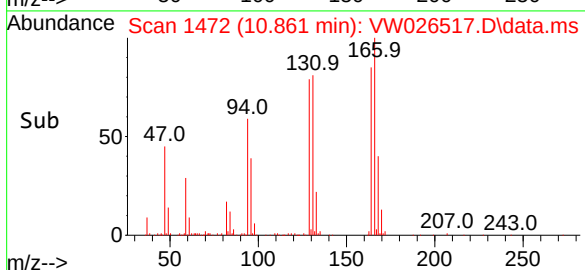
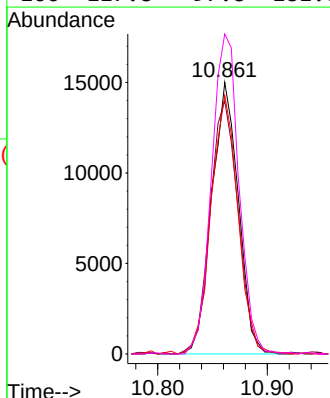
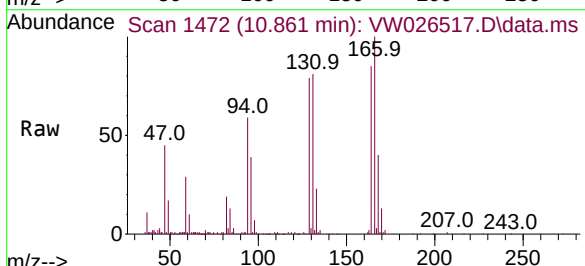
Ion Ratio Lower Upper

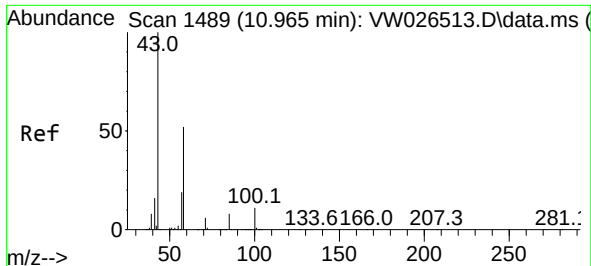
164 100

129 93.2 73.0 135.6

131 95.2 69.2 128.6

166 117.8 97.8 181.6





#48

2-Hexanone

Concen: 9.193 ug/L

RT: 10.971 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

Tgt Ion: 43 Resp: 40354

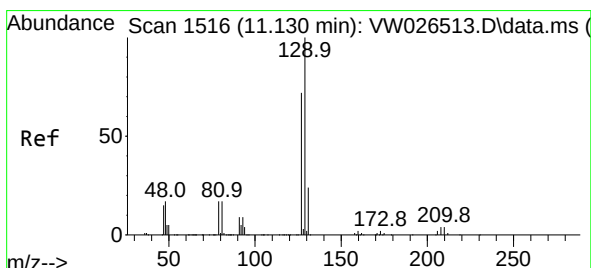
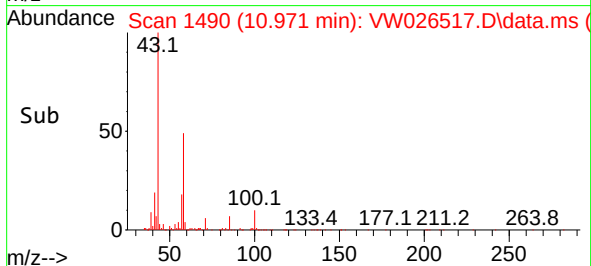
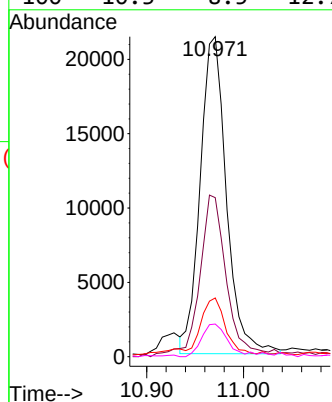
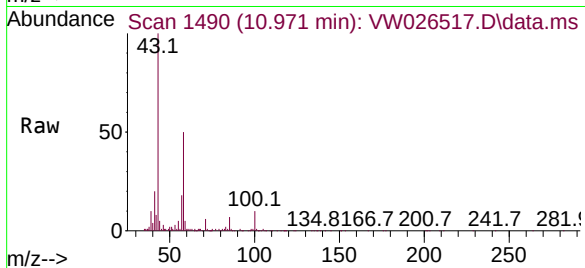
Ion Ratio Lower Upper

43 100

58 49.6 39.9 59.9

57 16.8 14.1 21.1

100 10.3 8.5 12.7



#49

Dibromochloromethane

Concen: 4.318 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW026517.D

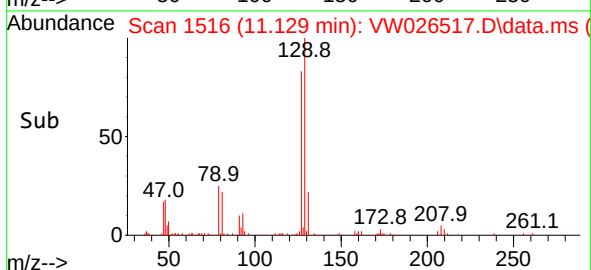
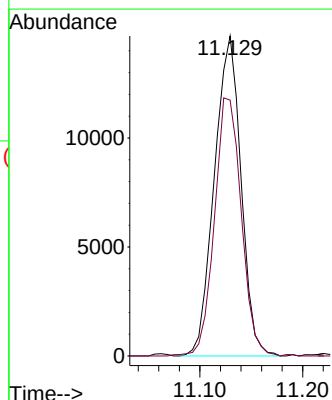
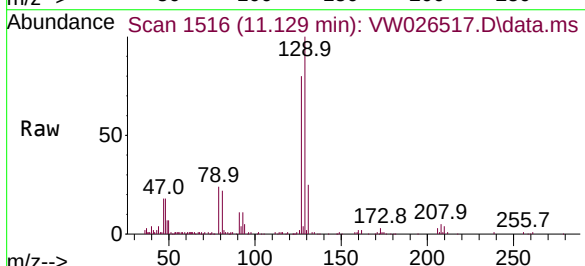
Acq: 03 Jul 2023 19:56

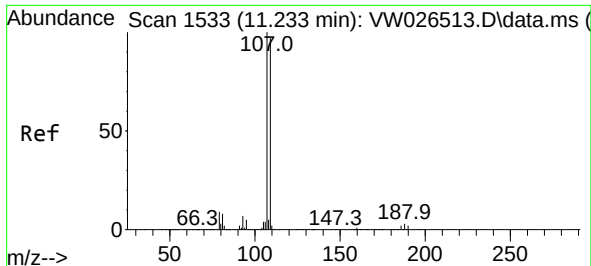
Tgt Ion: 129 Resp: 26432

Ion Ratio Lower Upper

129 100

127 80.0 50.0 93.0





#50

1,2-Dibromoethane

Concen: 4.587 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

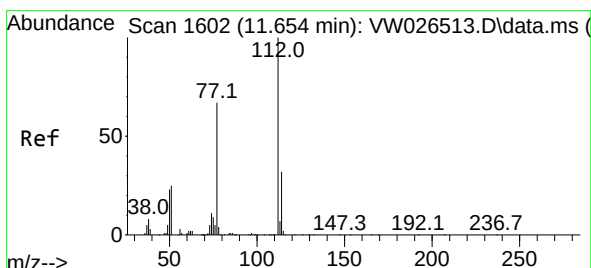
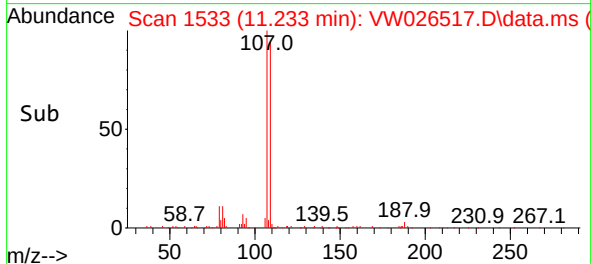
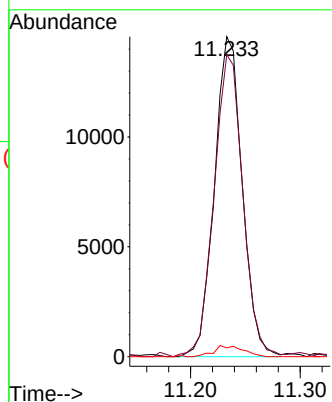
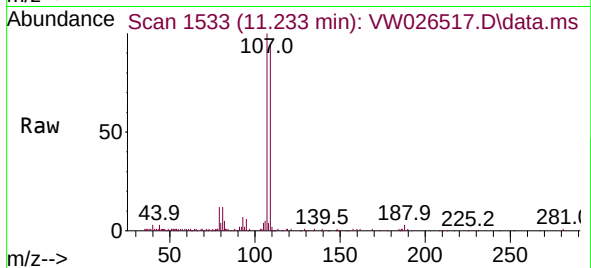
Tgt Ion:107 Resp: 25679

Ion Ratio Lower Upper

107 100

109 94.4 67.7 125.7

188 2.7 2.7 4.1



#51

Chlorobenzene

Concen: 5.032 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

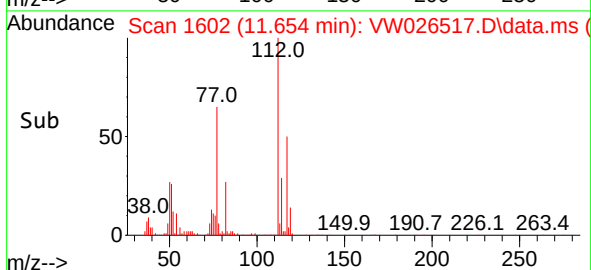
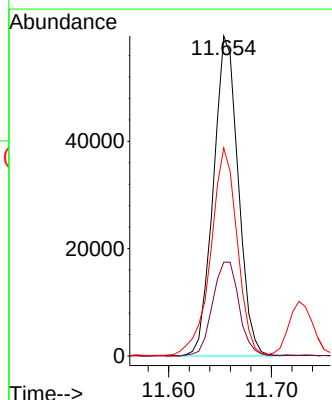
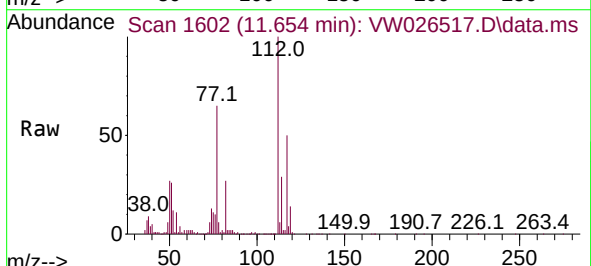
Tgt Ion:112 Resp: 100237

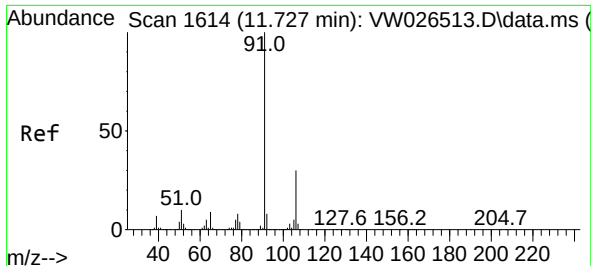
Ion Ratio Lower Upper

112 100

114 29.3 22.2 41.2

77 65.0 53.4 80.2

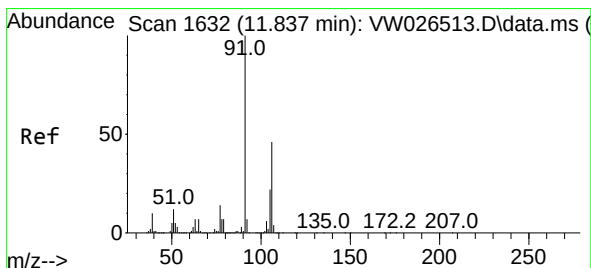
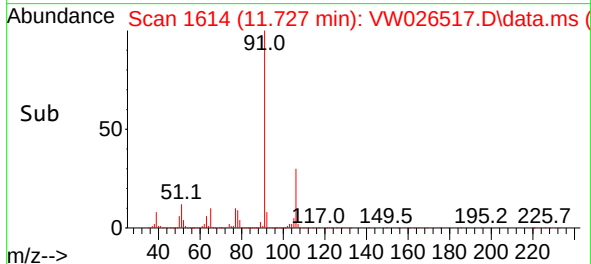
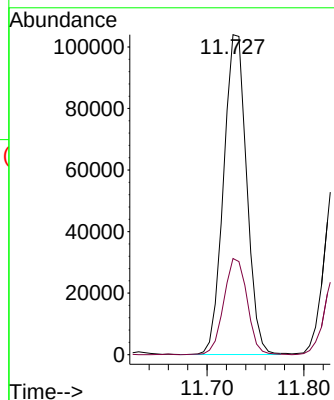
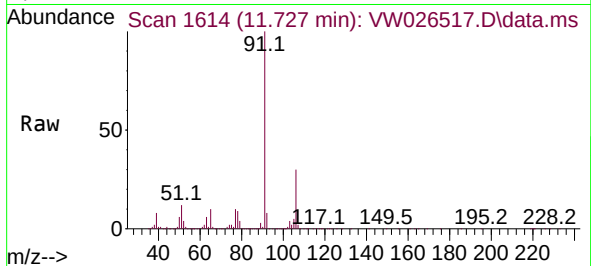




#52
Ethylbenzene
Concen: 4.754 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

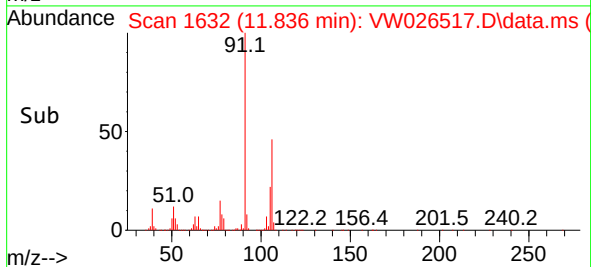
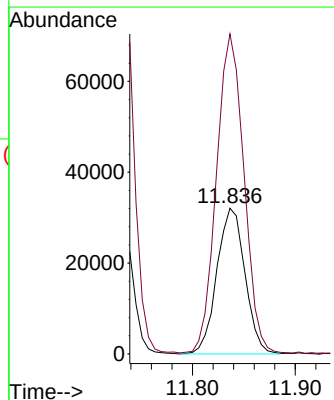
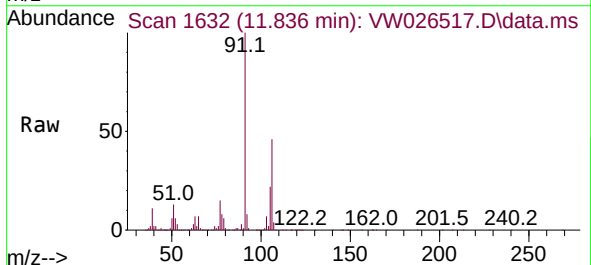
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

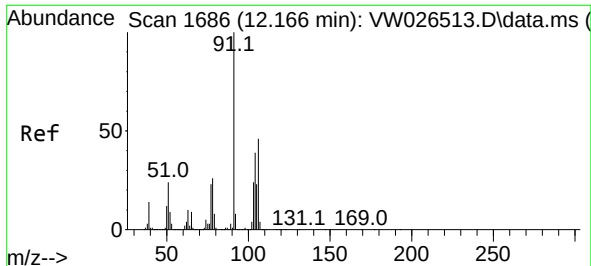
Tgt Ion: 91 Resp: 172006
Ion Ratio Lower Upper
91 100
106 30.1 20.7 38.5



#53
m,p-Xylene
Concen: 4.558 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion:106 Resp: 60887
Ion Ratio Lower Upper
106 100
91 219.6 152.7 283.7

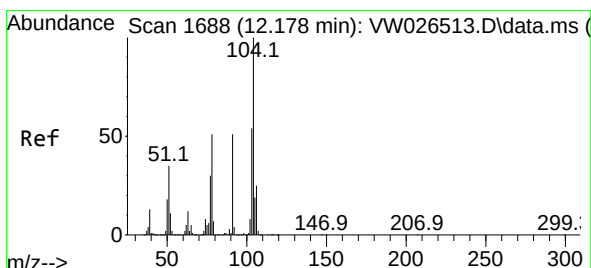
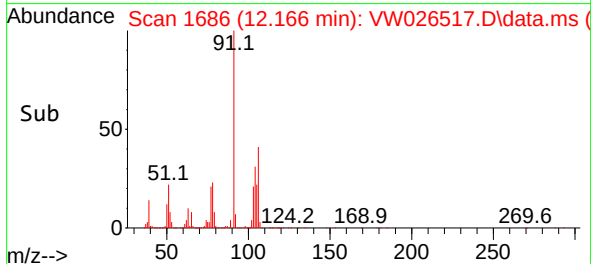
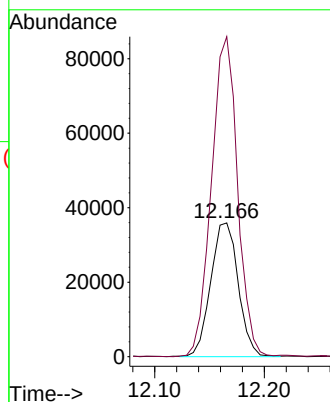
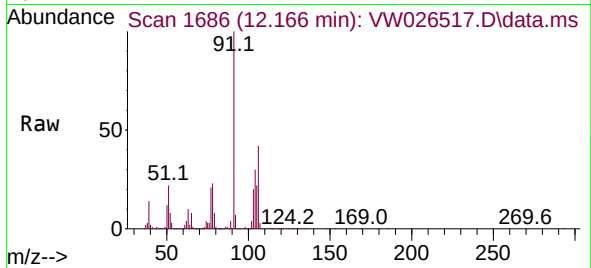




#54
o-Xylene
Concen: 4.913 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

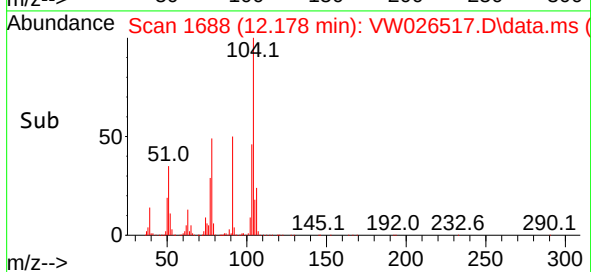
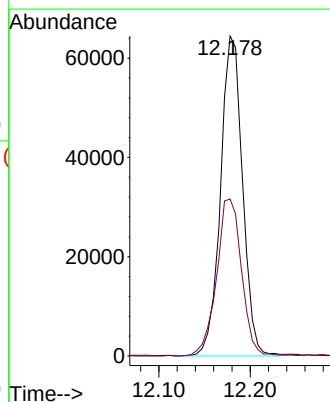
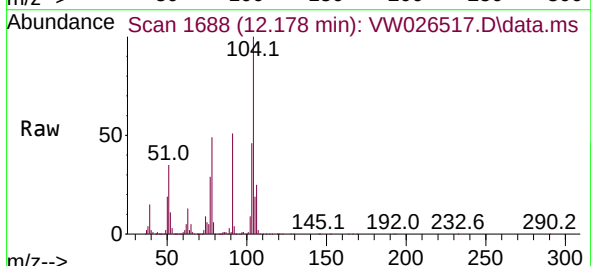
Instrument :
MSVOA_W
ClientSampleId :
VSTD005404

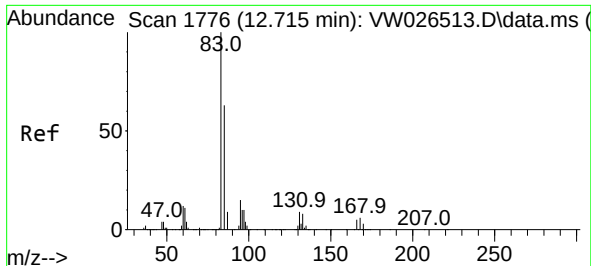
Tgt Ion:106 Resp: 62611
Ion Ratio Lower Upper
106 100
91 239.3 151.8 282.0



#55
Styrene
Concen: 4.976 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026517.D
Acq: 03 Jul 2023 19:56

Tgt Ion:104 Resp: 108002
Ion Ratio Lower Upper
104 100
78 49.1 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.231 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

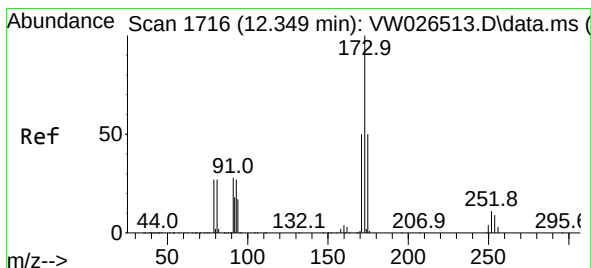
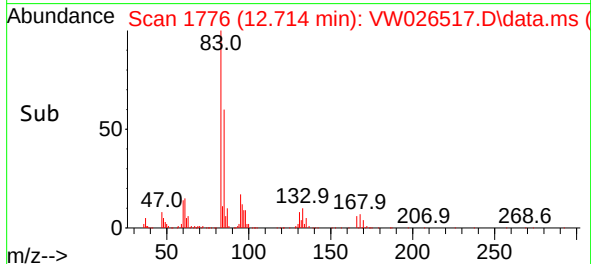
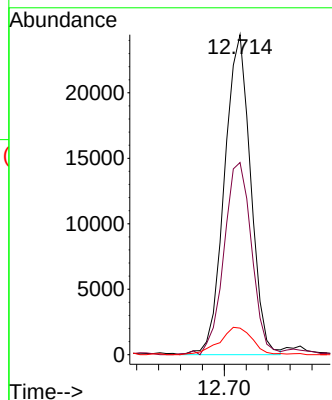
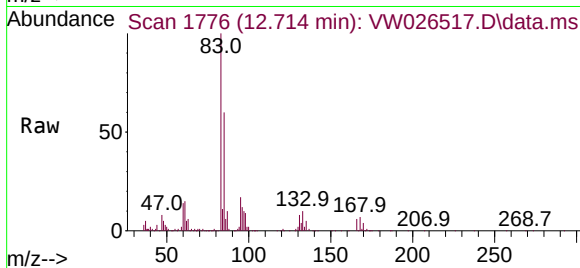
Tgt Ion: 83 Resp: 40498

Ion Ratio Lower Upper

83 100

85 60.0 44.4 82.5

131 8.3 7.2 10.8



#59

Bromoform

Concen: 4.624 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

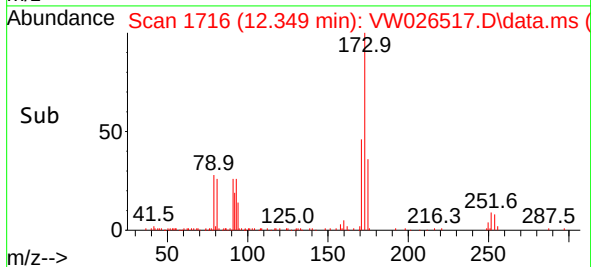
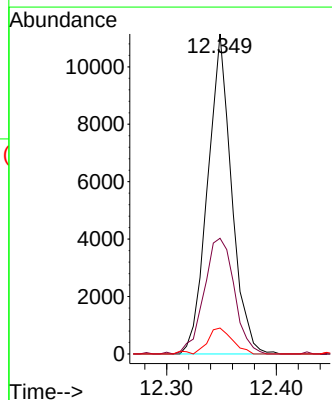
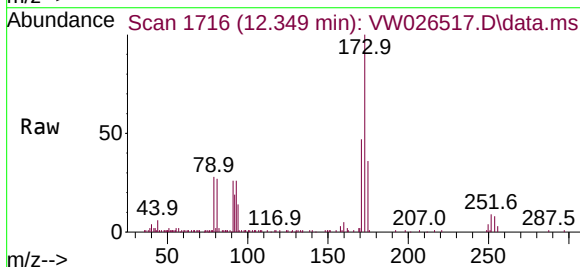
Tgt Ion: 173 Resp: 16909

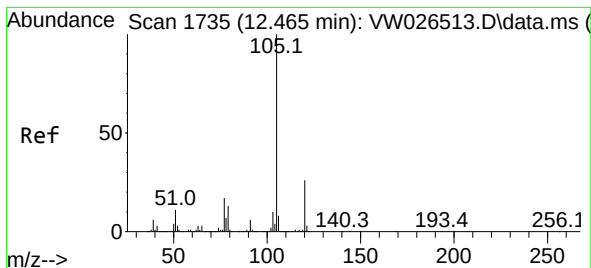
Ion Ratio Lower Upper

173 100

175 45.5 39.0 58.4

254 8.2 7.0 10.6





#60

Isopropylbenzene

Concen: 4.453 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

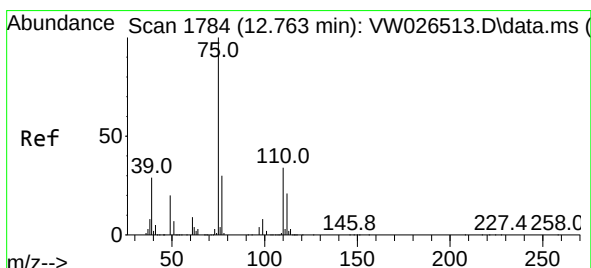
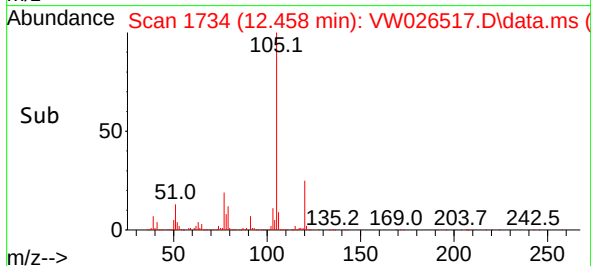
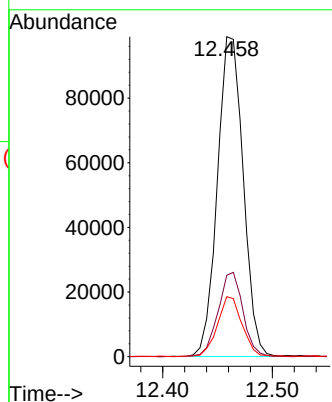
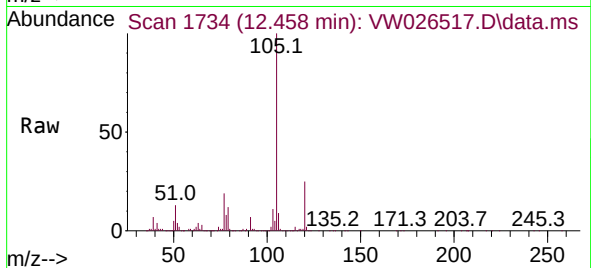
Tgt Ion:105 Resp: 162092

Ion Ratio Lower Upper

105 100

120 25.5 20.3 30.5

77 18.2 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 4.866 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

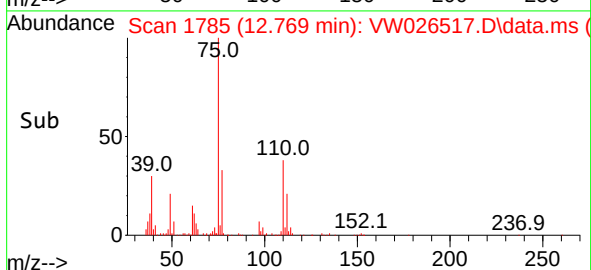
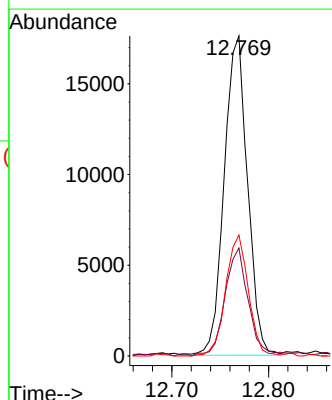
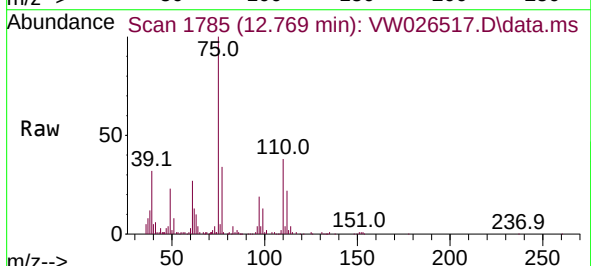
Tgt Ion: 75 Resp: 29492

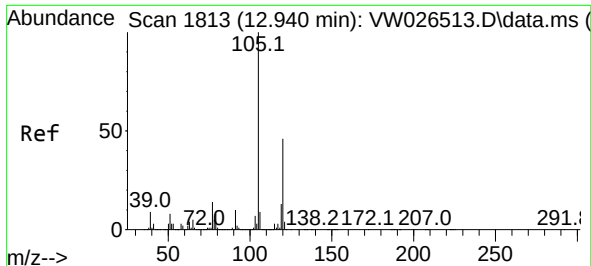
Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

110 36.9 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 4.909 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

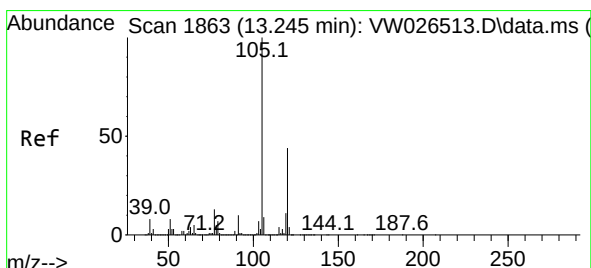
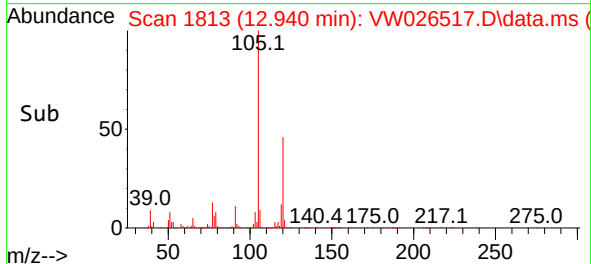
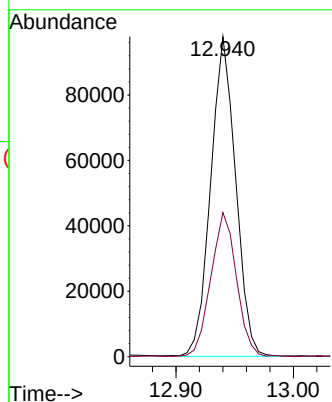
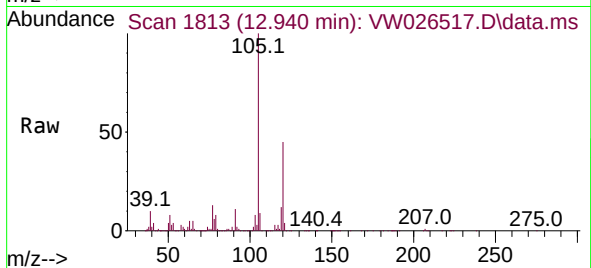
VSTD005404

Tgt Ion:105 Resp: 144246

Ion Ratio Lower Upper

105 100

120 46.3 38.0 57.0



#63

1,2,4-Trimethylbenzene

Concen: 4.626 ug/L

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW026517.D

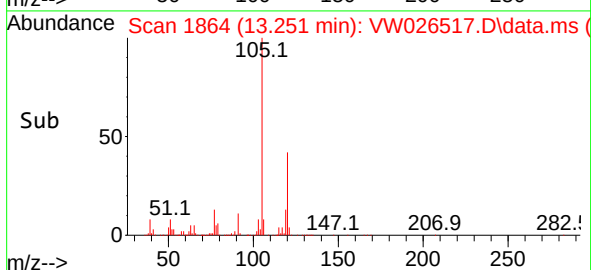
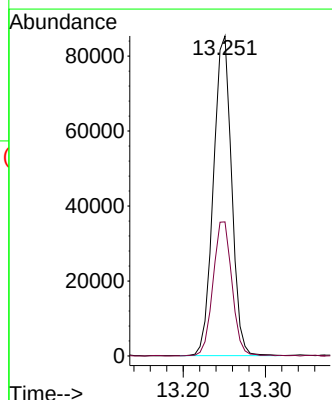
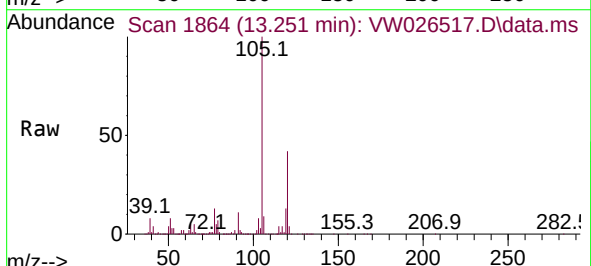
Acq: 03 Jul 2023 19:56

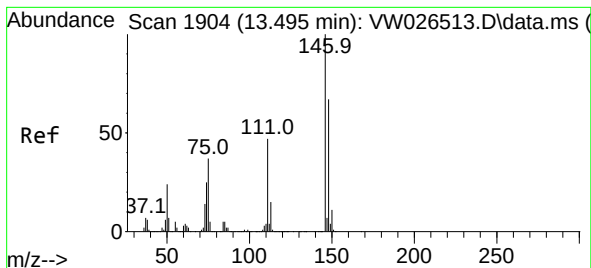
Tgt Ion:105 Resp: 131091

Ion Ratio Lower Upper

105 100

120 43.7 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 4.946 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

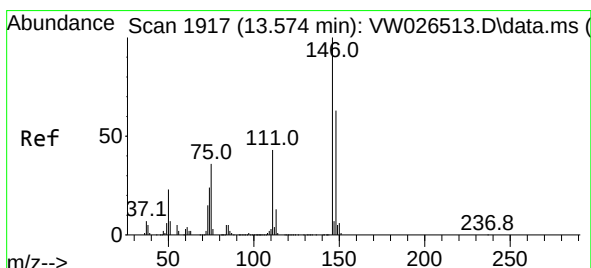
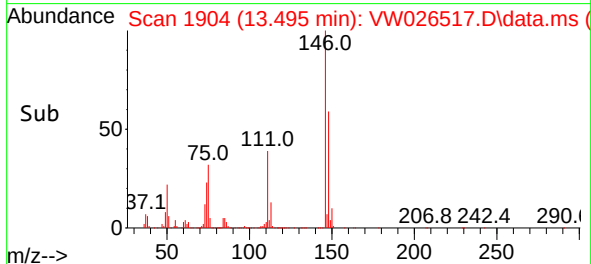
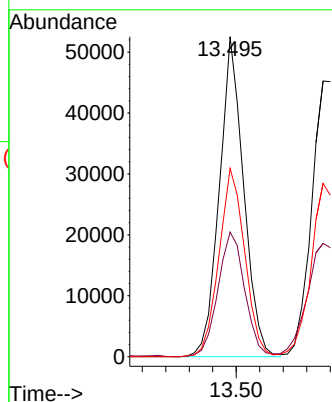
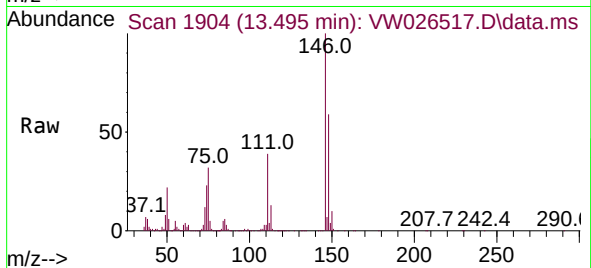
Tgt Ion:146 Resp: 75411

Ion Ratio Lower Upper

146 100

111 38.9 32.7 60.7

148 58.8 47.0 87.2



#65

1,4-Dichlorobenzene

Concen: 4.837 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

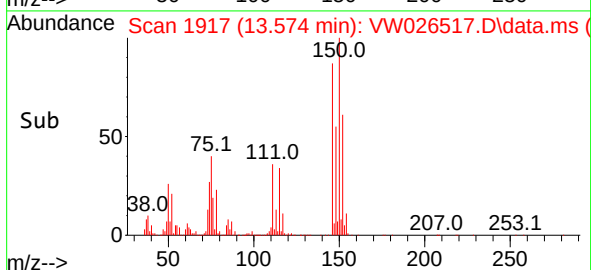
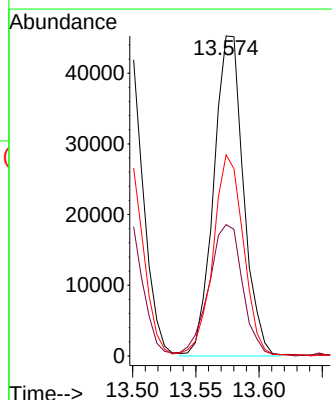
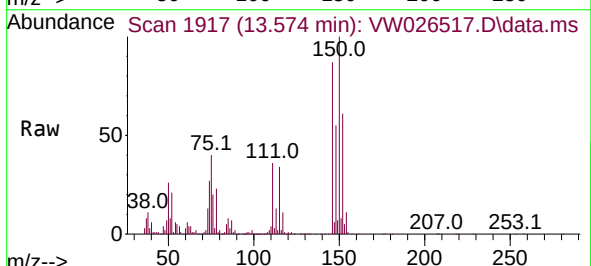
Tgt Ion:146 Resp: 74094

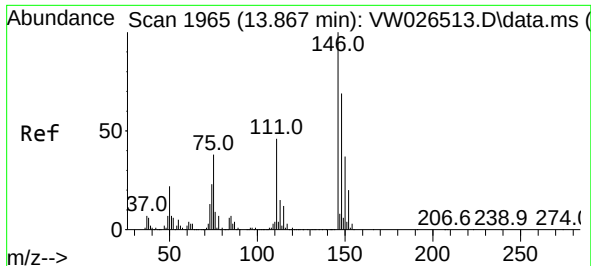
Ion Ratio Lower Upper

146 100

111 41.1 30.2 56.0

148 62.9 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 6.203 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

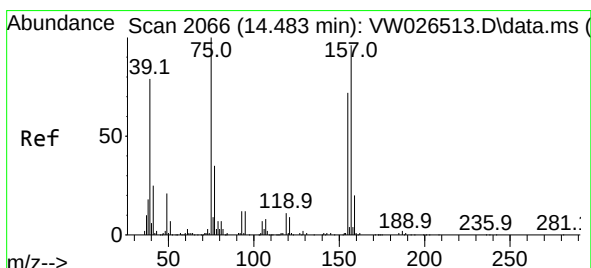
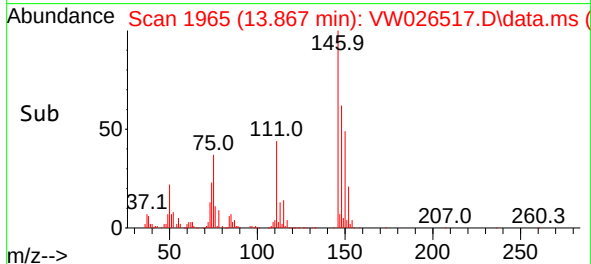
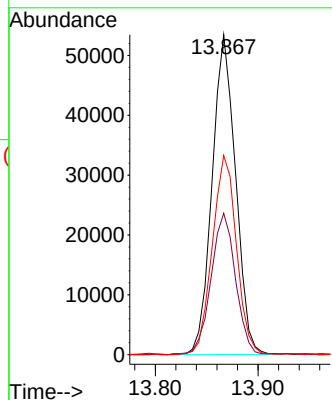
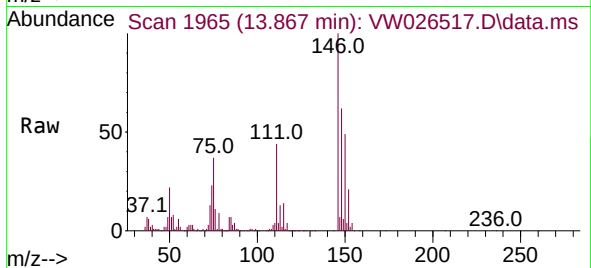
Tgt Ion:146 Resp: 84625

Ion Ratio Lower Upper

146 100

111 44.2 36.6 55.0

148 62.2 55.1 82.7



#68

1,2-Dibromo-3-chloropropane

Concen: 5.800 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

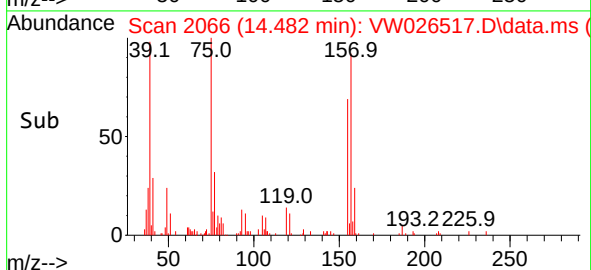
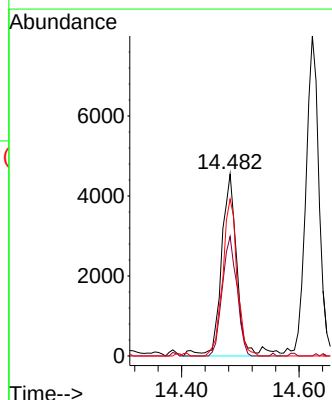
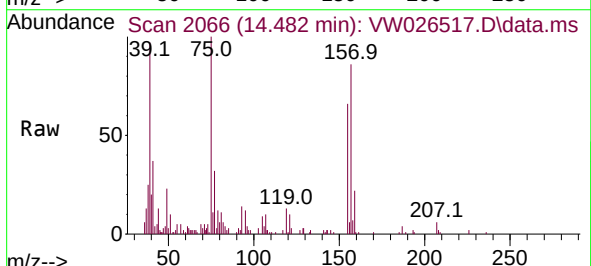
Tgt Ion: 75 Resp: 8412

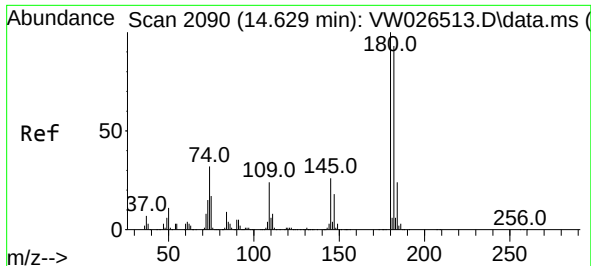
Ion Ratio Lower Upper

75 100

155 65.7 57.3 85.9

157 86.3 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 5.195 ug/L

RT: 14.629 min Scan# 2090

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

Tgt Ion:180 Resp: 52419

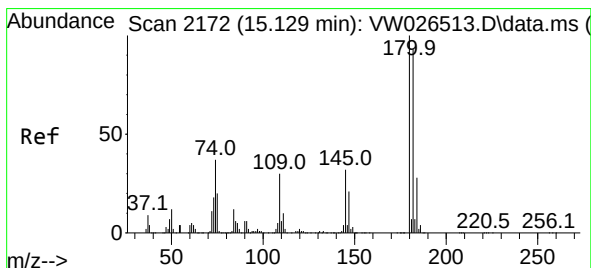
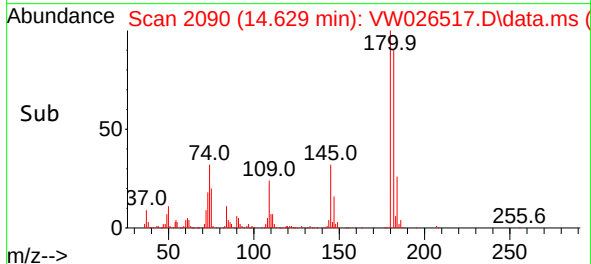
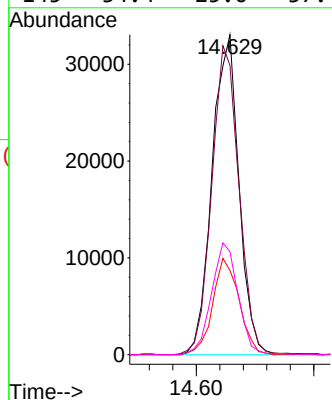
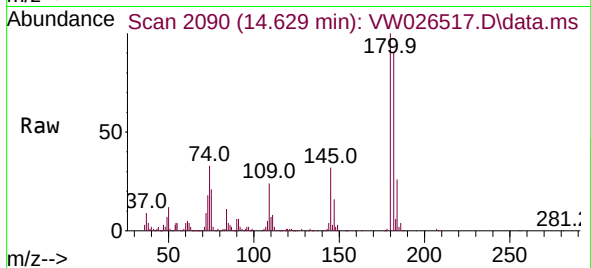
Ion Ratio Lower Upper

180 100

182 97.7 75.5 113.3

184 29.6 23.8 35.8

145 34.4 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 3.723 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

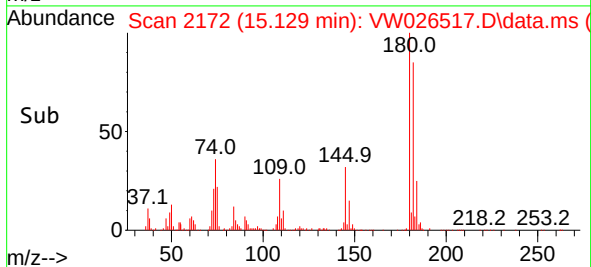
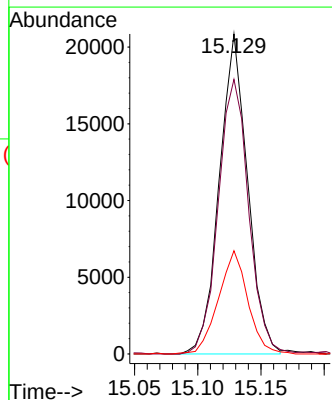
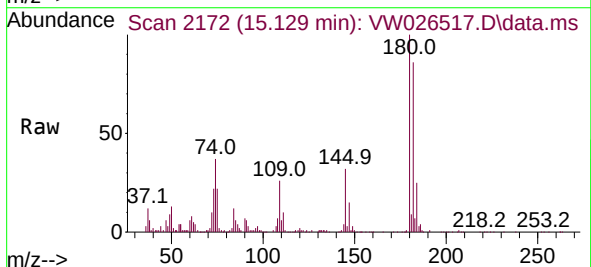
Tgt Ion:180 Resp: 32383

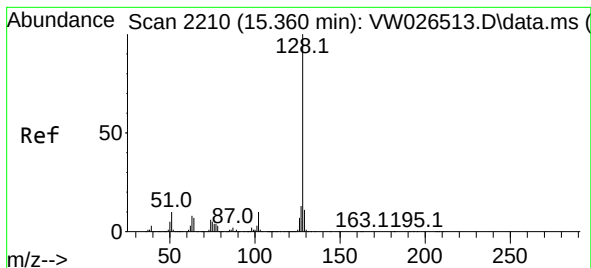
Ion Ratio Lower Upper

180 100

182 92.2 74.5 111.7

145 33.6 25.9 38.9





#71

Naphthalene

Concen: 3.285 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD005404

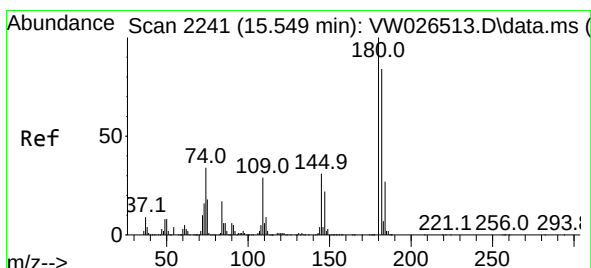
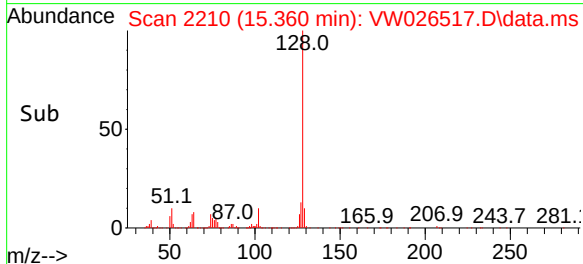
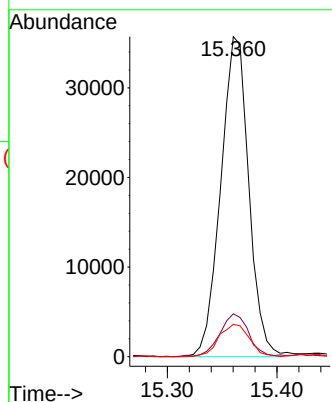
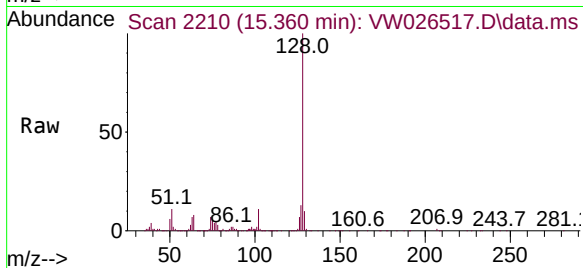
Tgt Ion:128 Resp: 63410

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 3.669 ug/L

RT: 15.555 min Scan# 2242

Delta R.T. 0.006 min

Lab File: VW026517.D

Acq: 03 Jul 2023 19:56

Tgt Ion:180 Resp: 28460

Ion Ratio Lower Upper

180 100

182 96.9 75.3 112.9

145 34.7 29.0 43.6

