

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042523\
 Data File : VW025691.D
 Acq On : 25 Apr 2023 18:34
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025580

Quant Time: Apr 26 01:18:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM040323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Apr 26 01:13:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	666168	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	612893	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	302964	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.368	65	179297	16.540	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.160%
7) Chloroethane-d5	2.698	69	274	0.036	ug/L	-0.20
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.160%#
11) 1,1-Dichloroethene-d2	4.033	63	407904	18.606	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.440%
21) 2-Butanone-d5	7.075	46	152462	63.043	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.080%
24) Chloroform-d	7.648	84	441481	23.603	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	8.306	65	239570	24.620	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.480%
32) Benzene-d6	8.276	84	844064	21.269	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.080%
36) 1,2-Dichloropropane-d6	9.276	67	279600	22.596	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.400%
41) Toluene-d8	10.324	98	735209	21.208	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.840%
43) trans-1,3-Dichloroprop...	10.574	79	103499	22.309	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.240%
47) 2-Hexanone-d5	10.922	63	106736	63.106	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.220%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	231070	27.667	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.680%
66) 1,2-Dichlorobenzene-d4	13.848	152	245303	23.568	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	188511	20.236	ug/L	96
3) Chloromethane	2.222	50	244395	22.613	ug/L	100
5) Vinyl chloride	2.375	62	252919	21.169	ug/L	95
6) Bromomethane	2.789	94	137497	21.393	ug/L	97
8) Chloroethane	2.935	64	148903	22.252	ug/L	99
9) Trichlorofluoromethane	3.265	101	173479	18.847	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.069	101	213347	23.098	ug/L	99
12) 1,1-Dichloroethene	4.045	96	194154	21.000	ug/L	91
13) Acetone	4.118	43	103988	50.806	ug/L	97
14) Carbon disulfide	4.392	76	613156	18.797	ug/L	100
15) Methyl Acetate	4.673	43	124561	27.088	ug/L	97
16) Methylene chloride	4.923	84	255374	24.117	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	216082	21.983	ug/L	93
18) Methyl tert-butyl Ether	5.429	73	356552	26.284	ug/L	99
19) 1,1-Dichloroethane	6.221	63	476456	24.261	ug/L	99
20) cis-1,2-Dichloroethene	7.172	96	247123	24.163	ug/L #	97
22) 2-Butanone	7.166	43	158754	54.561	ug/L	100
23) Bromochloromethane	7.514	128	103914	24.776	ug/L	92
25) Chloroform	7.678	83	446335	24.853	ug/L	99

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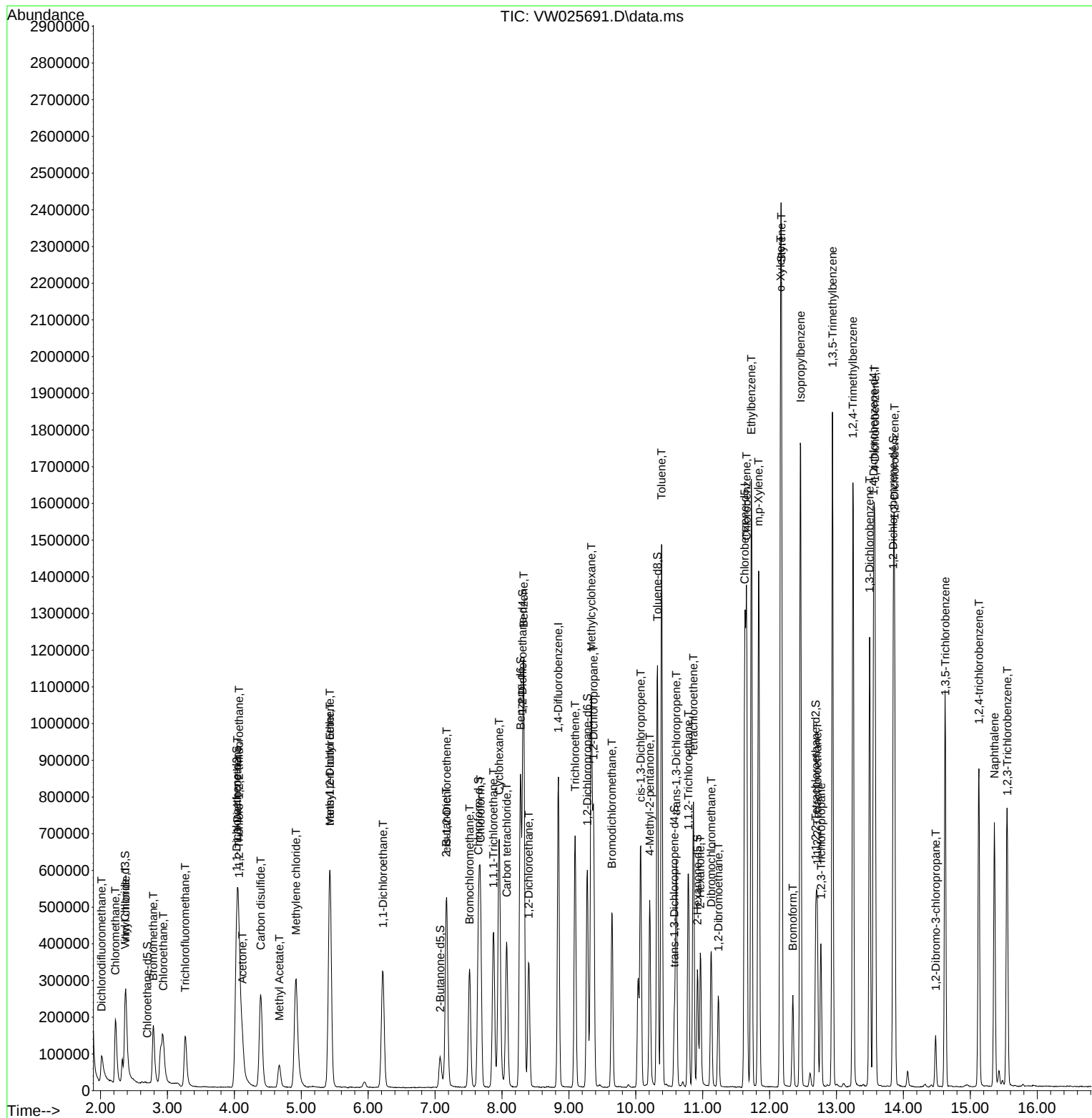
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	312604	25.939	ug/L	98
29) Cyclohexane	7.959	56	406398	20.487	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	334495	21.965	ug/L	98
31) Carbon tetrachloride	8.069	117	296086	21.529	ug/L	97
33) Benzene	8.325	78	984958	23.089	ug/L	100
34) Trichloroethene	9.093	95	240382	21.663	ug/L	90
35) Methylcyclohexane	9.337	83	402529	20.089	ug/L	100
37) 1,2-Dichloropropane	9.367	63	276282	24.523	ug/L	100
38) Bromodichloromethane	9.642	83	316292	24.537	ug/L	100
39) cis-1,3-Dichloropropene	10.074	75	379953	23.510	ug/L	98
40) 4-Methyl-2-pentanone	10.208	43	358969	56.290	ug/L	99
42) Toluene	10.385	91	1013289	23.326	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	320404	24.043	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	182518	25.407	ug/L	99
46) Tetrachloroethene	10.861	164	168131	21.544	ug/L	89
48) 2-Hexanone	10.964	43	242474	55.031	ug/L	97
49) Dibromochloromethane	11.129	129	187292	24.762	ug/L	97
50) 1,2-Dibromoethane	11.233	107	164861	24.977	ug/L	98
51) Chlorobenzene	11.653	112	619197	23.132	ug/L	97
52) Ethylbenzene	11.727	91	1141030	23.212	ug/L	97
53) m,p-Xylene	11.836	106	420026	23.300	ug/L	98
54) o-Xylene	12.165	106	404356	23.977	ug/L	98
55) Styrene	12.178	104	718787	25.322	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.714	83	225252	26.177	ug/L	100
59) Bromoform	12.348	173	106965	25.765	ug/L	99
60) Isopropylbenzene	12.464	105	1111233	23.415	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	164723	26.233	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	890444	23.768	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	861624	23.885	ug/L	98
64) 1,3-Dichlorobenzene	13.494	146	461485	23.465	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	476442	23.721	ug/L	93
67) 1,2-Dichlorobenzene	13.866	146	422050	24.479	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.482	75	35883	26.051	ug/L	96
69) 1,3,5-Trichlorobenzene	14.628	180	303283	23.033	ug/L	97
70) 1,2,4-trichlorobenzene	15.128	180	246937	23.086	ug/L	98
71) Naphthalene	15.360	128	554924	27.803	ug/L	100
72) 1,2,3-Trichlorobenzene	15.555	180	233784	24.998	ug/L	95

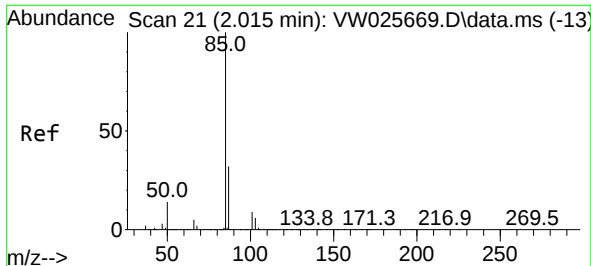
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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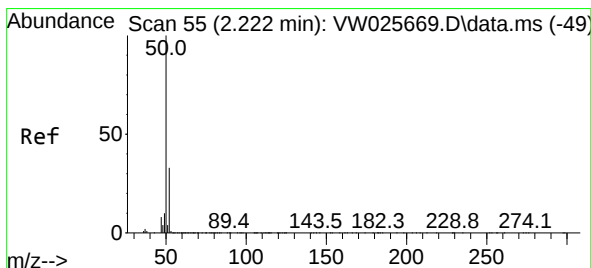
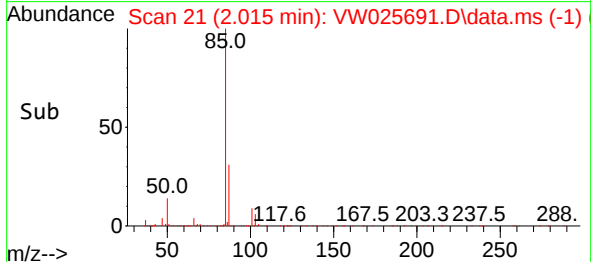
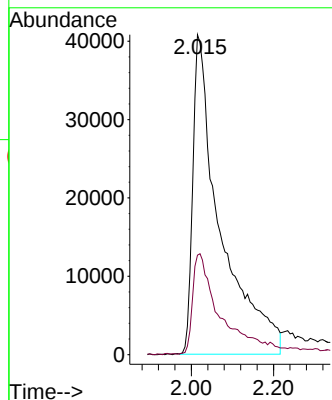
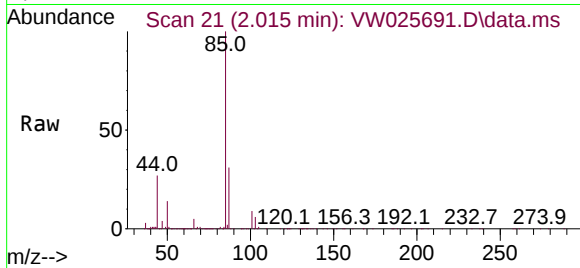




#2
 Dichlorodifluoromethane
 Concen: 20.236 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025691.D
 Acq: 25 Apr 2023 18:34

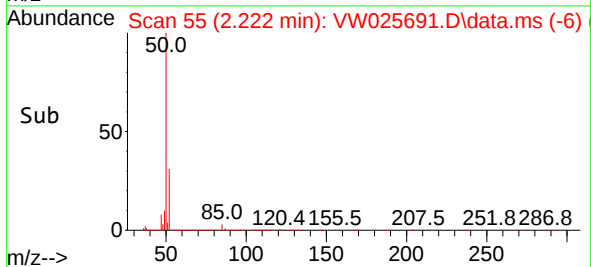
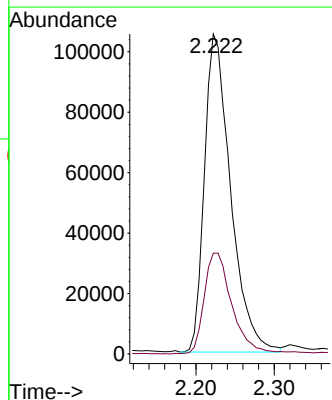
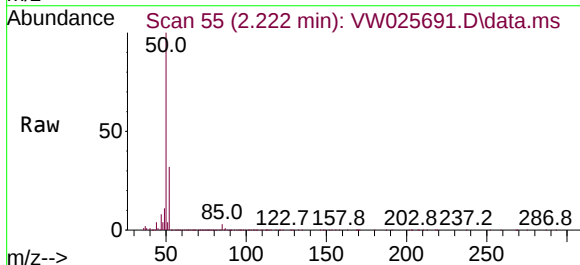
Instrument :
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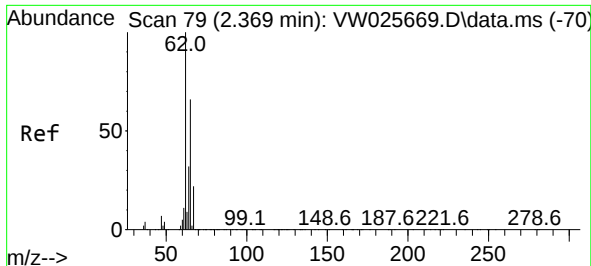
Tgt Ion: 85 Resp: 188511
 Ion Ratio Lower Upper
 85 100
 87 28.7 24.6 37.0



#3
 Chloromethane
 Concen: 22.613 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW025691.D
 Acq: 25 Apr 2023 18:34

Tgt Ion: 50 Resp: 244395
 Ion Ratio Lower Upper
 50 100
 52 31.5 22.2 41.2

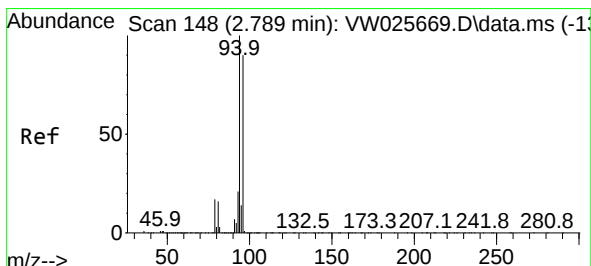
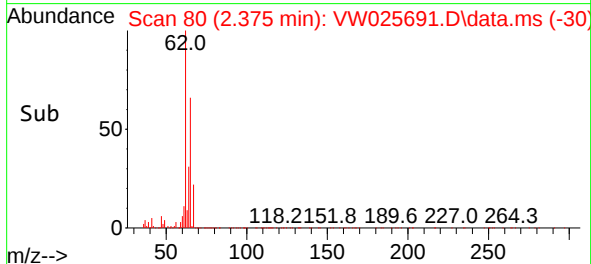
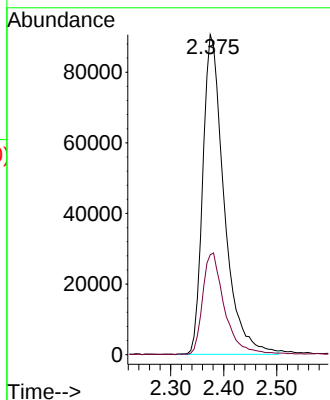
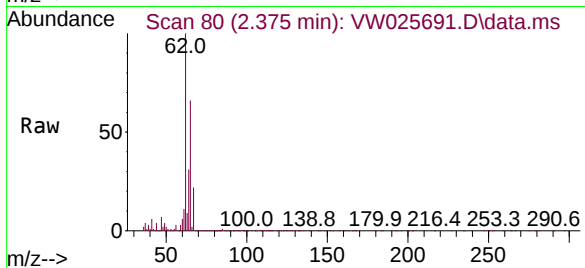




#5
 Vinyl chloride
 Concen: 21.169 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VW025691.D
 Acq: 25 Apr 2023 18:34

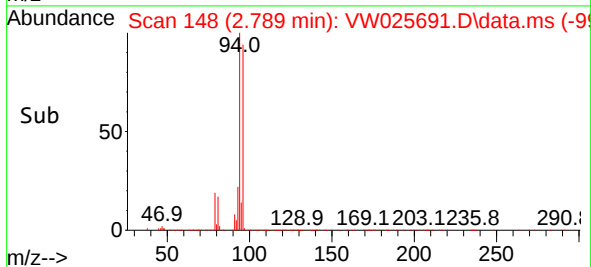
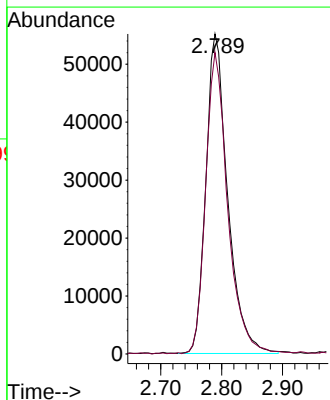
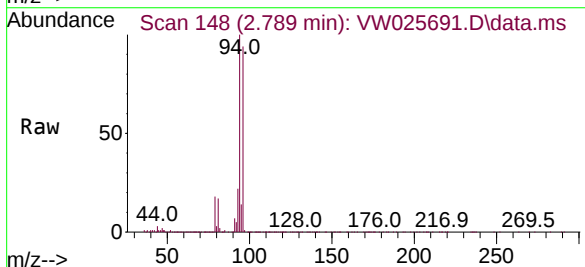
Instrument :
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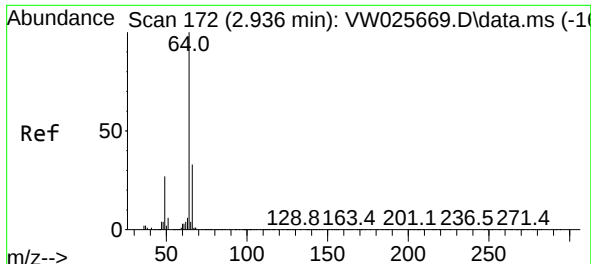
Tgt Ion: 62 Resp: 252919
 Ion Ratio Lower Upper
 62 100
 64 31.2 23.9 44.3



#6
 Bromomethane
 Concen: 21.393 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW025691.D
 Acq: 25 Apr 2023 18:34

Tgt Ion: 94 Resp: 137497
 Ion Ratio Lower Upper
 94 100
 96 94.2 64.0 118.8

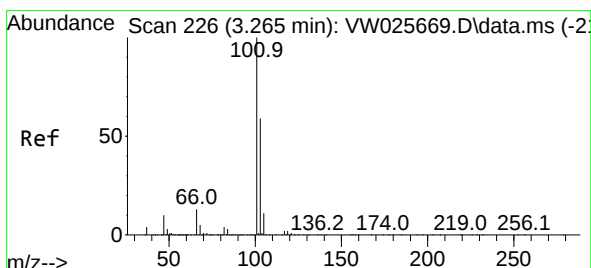
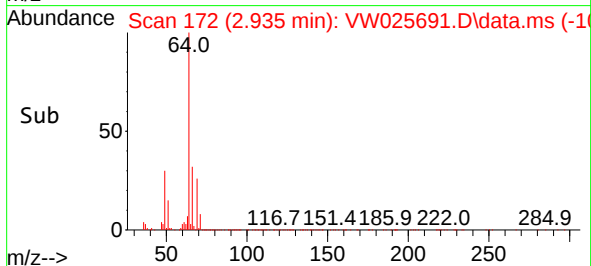
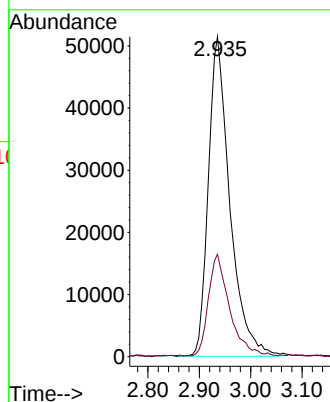
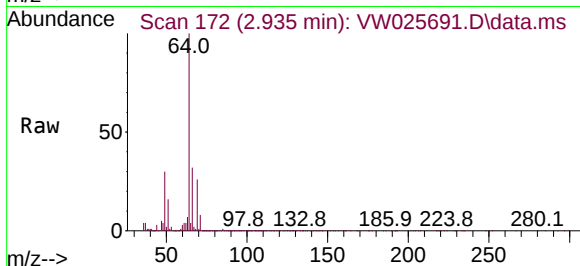




#8
Chloroethane
Concen: 22.252 ug/L
RT: 2.935 min Scan# 172
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

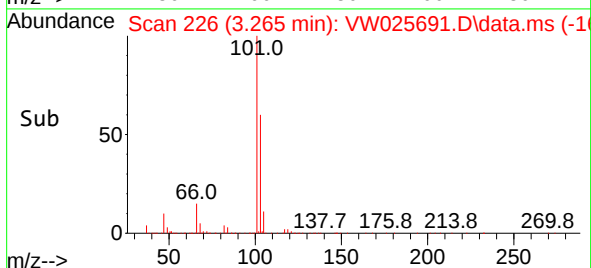
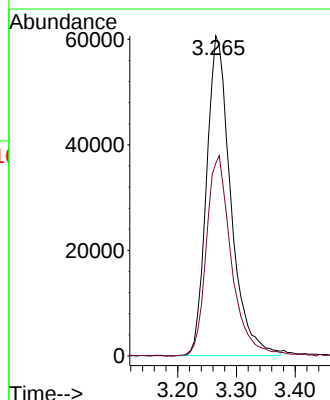
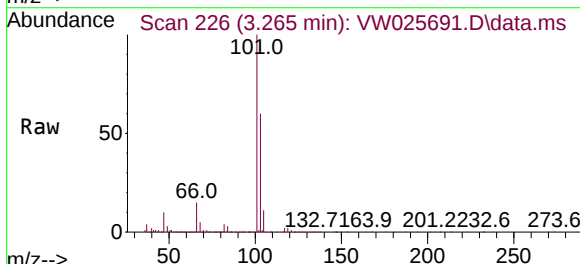
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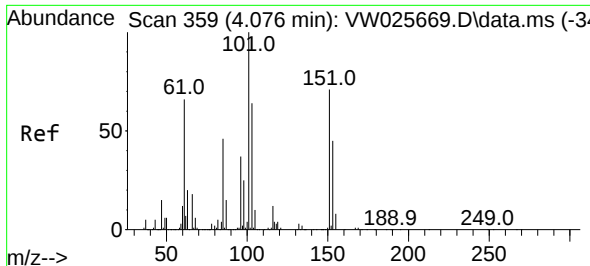
Tgt Ion: 64 Resp: 148903
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 18.847 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion:101 Resp: 173479
Ion Ratio Lower Upper
101 100
103 64.6 52.3 78.5

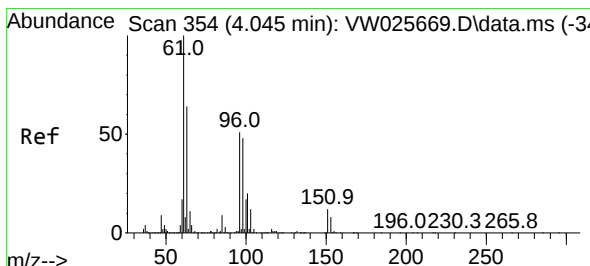
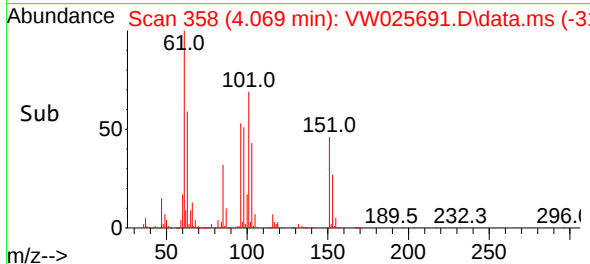
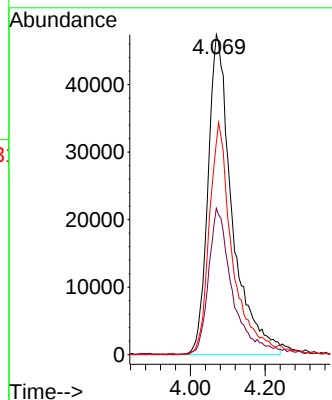
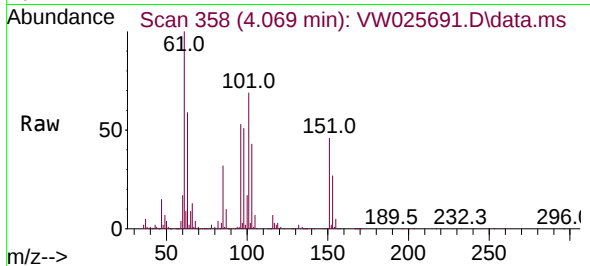




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 23.098 ug/L
RT: 4.069 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW025691.D
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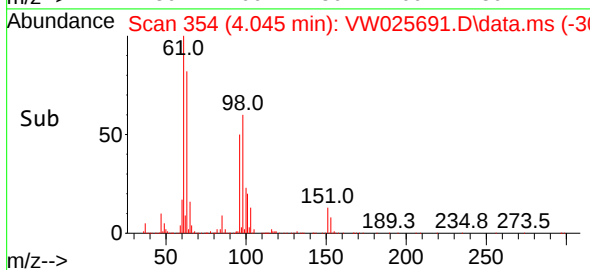
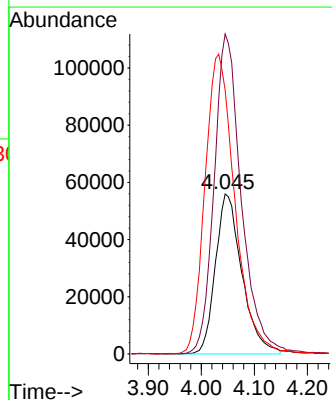
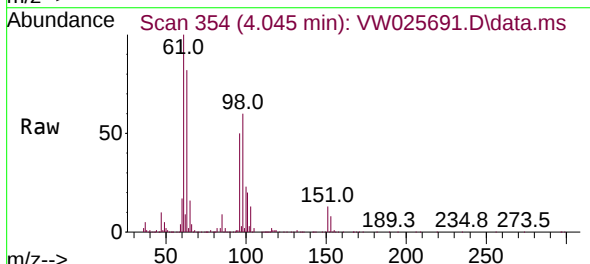
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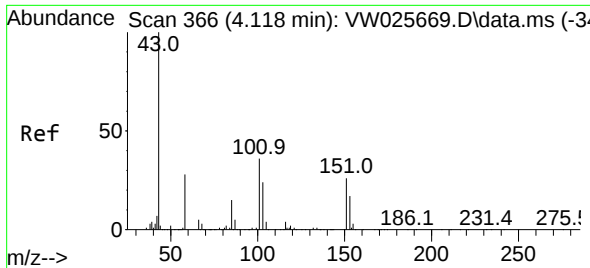
Tgt Ion:101 Resp: 213347
Ion Ratio Lower Upper
101 100
85 41.8 34.5 51.7
151 68.6 54.8 82.2



#12
1,1-Dichloroethene
Concen: 21.000 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 96 Resp: 194154
Ion Ratio Lower Upper
96 100
61 200.0 132.7 246.4
63 164.9 105.0 195.0

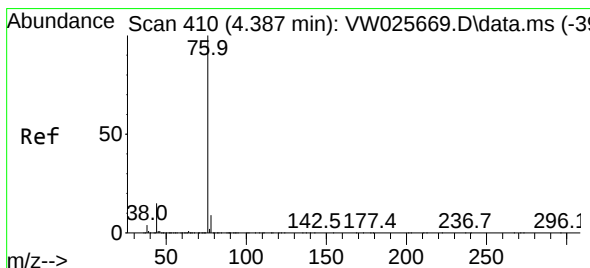
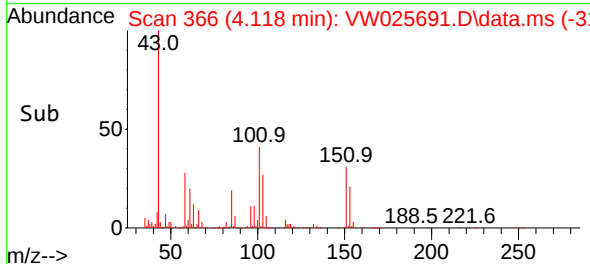
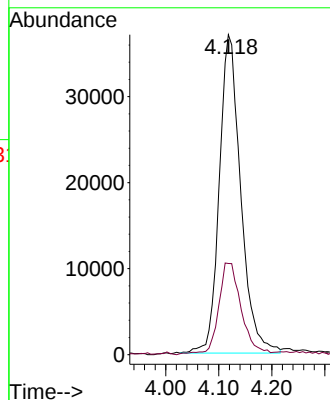
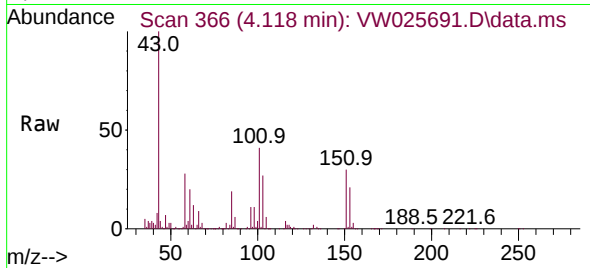




#13
Acetone
Concen: 50.806 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.000 min
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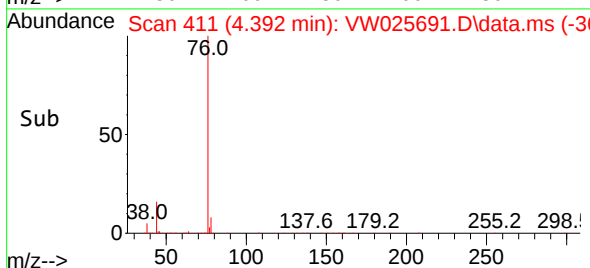
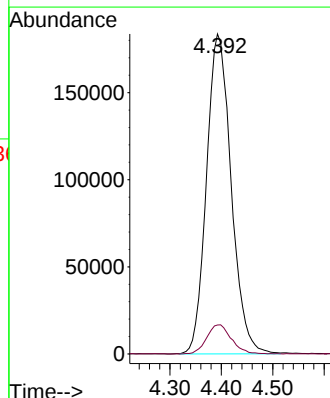
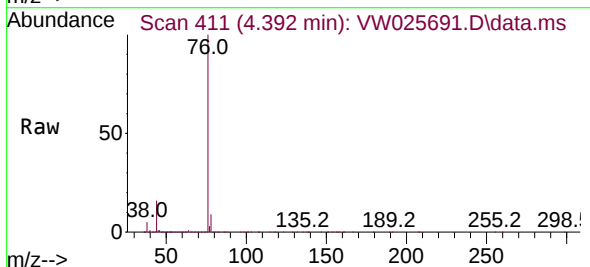
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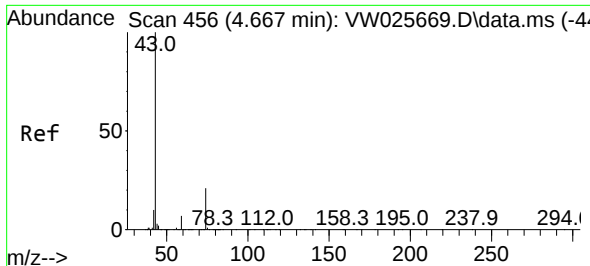
Tgt Ion: 43 Resp: 103988
Ion Ratio Lower Upper
43 100
58 30.5 0.0 57.4



#14
Carbon disulfide
Concen: 18.797 ug/L
RT: 4.392 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 76 Resp: 613156
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

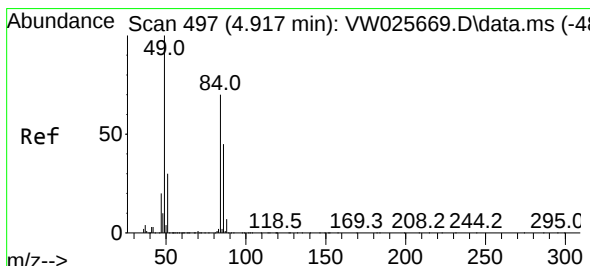
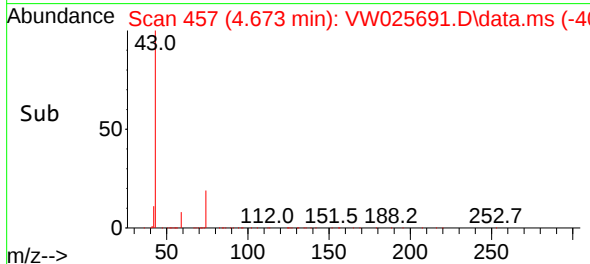
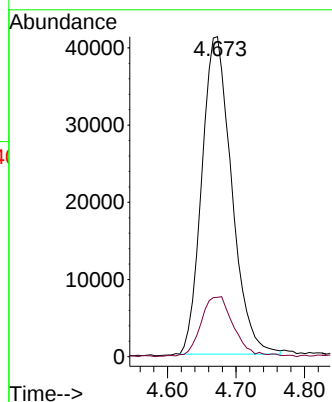
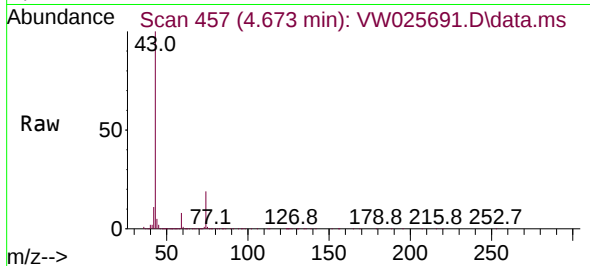




#15
Methyl Acetate
Concen: 27.088 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

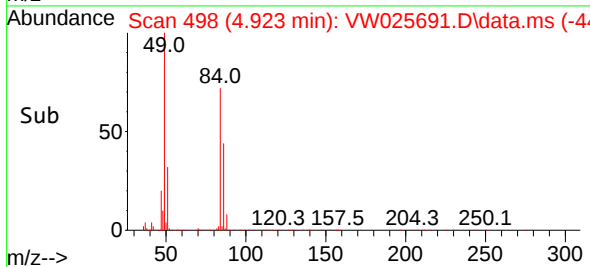
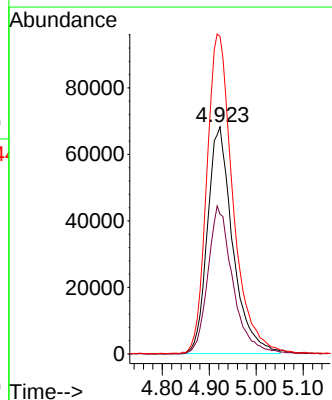
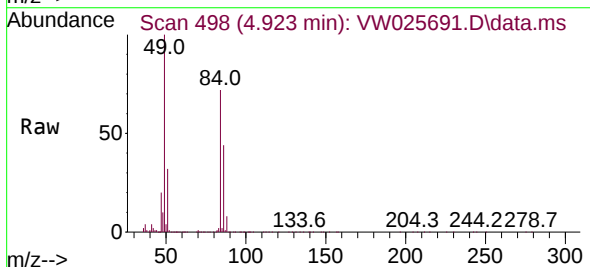
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

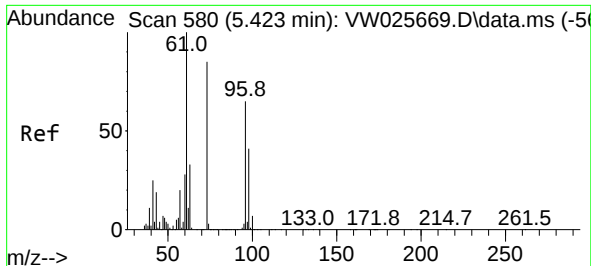
Tgt Ion: 43 Resp: 124561
Ion Ratio Lower Upper
43 100
74 19.7 17.0 25.4



#16
Methylene chloride
Concen: 24.117 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 84 Resp: 255374
Ion Ratio Lower Upper
84 100
86 61.5 44.9 83.3
49 139.8 101.4 188.4

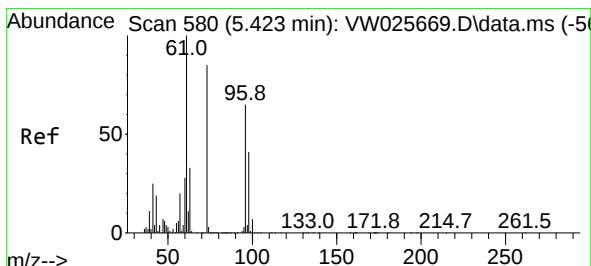
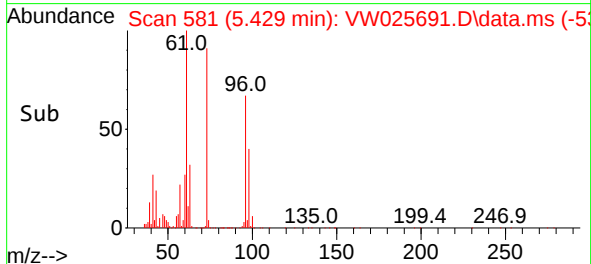
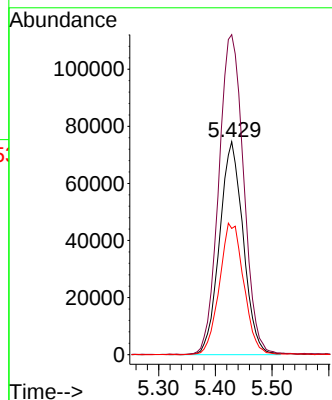
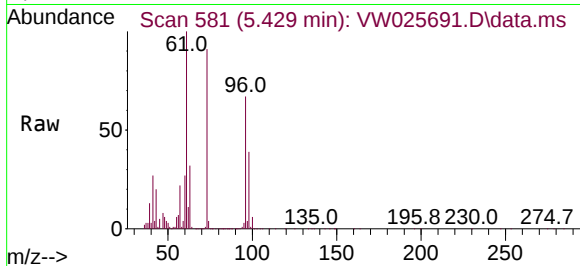




#17
trans-1,2-Dichloroethene
Concen: 21.983 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

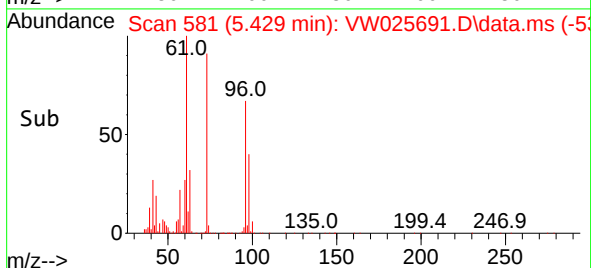
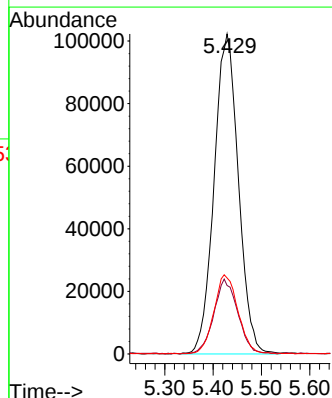
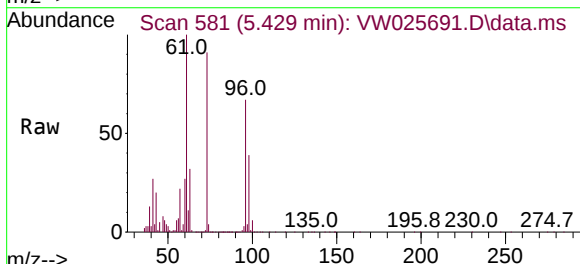
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

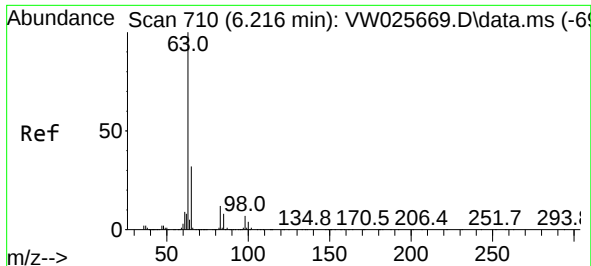
Tgt Ion: 96 Resp: 216082
Ion Ratio Lower Upper
96 100
61 150.2 113.3 210.3
98 59.3 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 26.284 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 73 Resp: 356552
Ion Ratio Lower Upper
73 100
43 22.6 17.8 26.6
57 24.3 19.0 28.6





#19

1,1-Dichloroethane

Concen: 24.261 ug/L

RT: 6.221 min Scan# 711

Delta R.T. 0.006 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

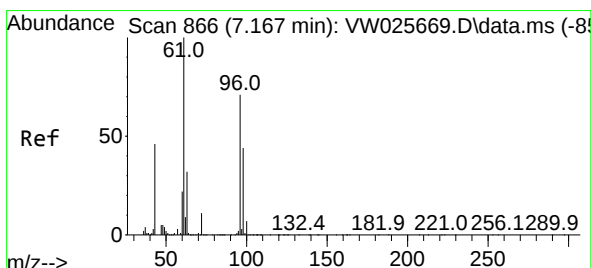
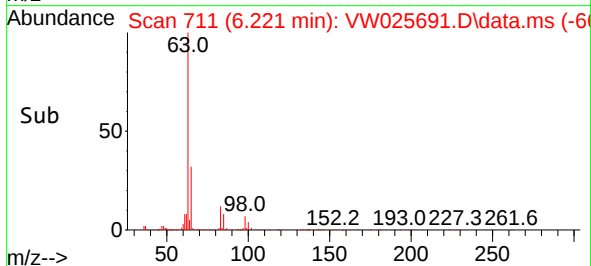
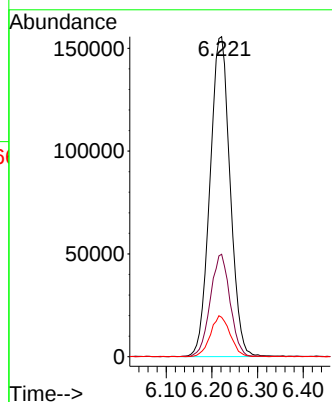
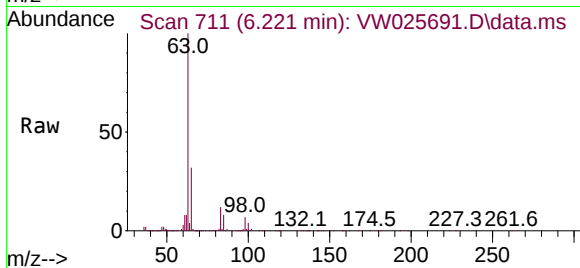
Tgt Ion: 63 Resp: 476456

Ion Ratio Lower Upper

63 100

65 32.0 21.9 40.7

83 12.3 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 24.163 ug/L

RT: 7.172 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

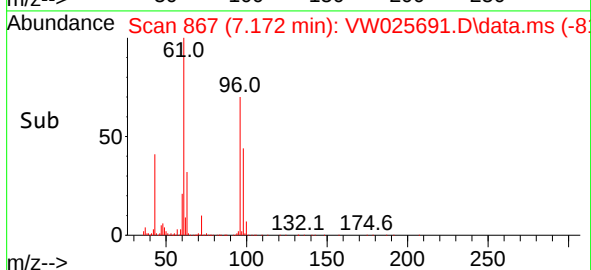
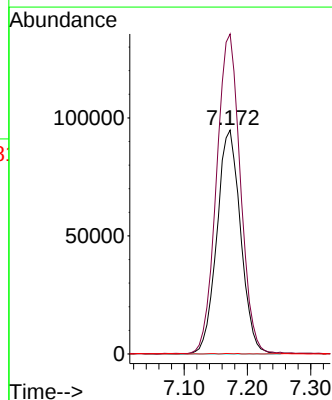
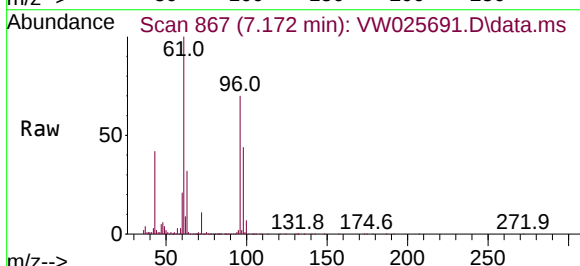
Tgt Ion: 96 Resp: 247123

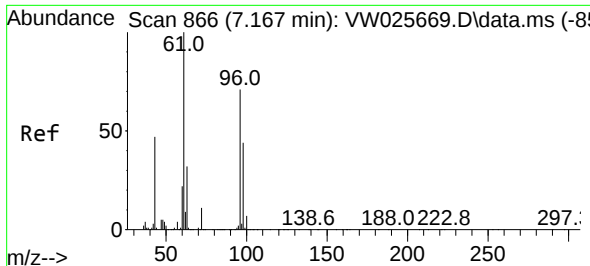
Ion Ratio Lower Upper

96 100

61 143.0 102.6 190.6

68 0.2 0.1 0.1#

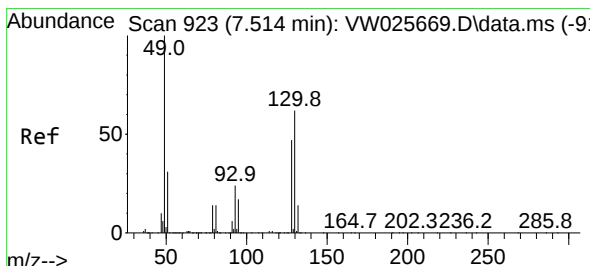
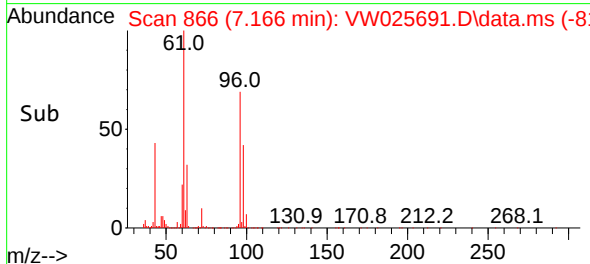
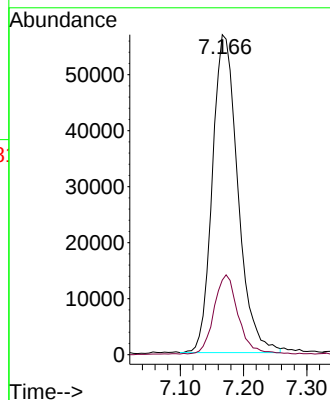
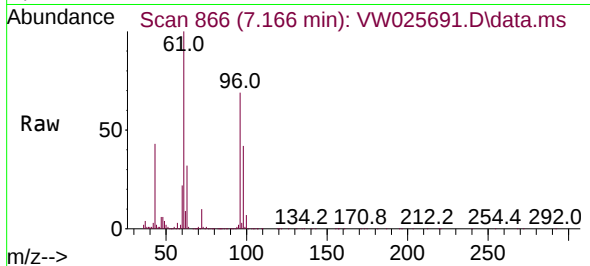




#22
2-Butanone
Concen: 54.561 ug/L
RT: 7.166 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

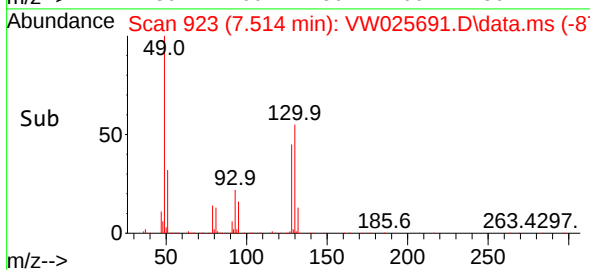
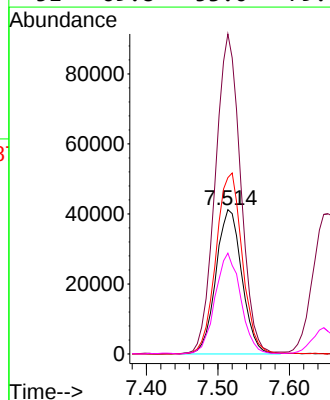
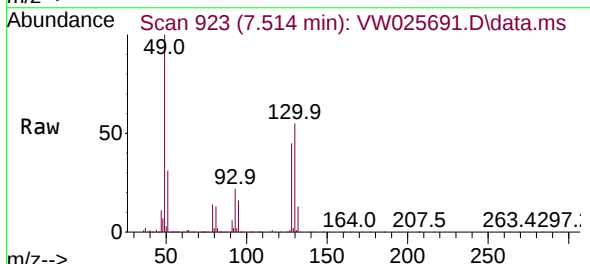
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

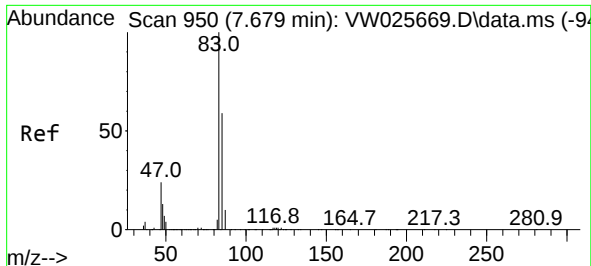
Tgt Ion: 43 Resp: 158754
Ion Ratio Lower Upper
43 100
72 24.0 12.0 36.0



#23
Bromochloromethane
Concen: 24.776 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 128 Resp: 103914
Ion Ratio Lower Upper
128 100
49 221.8 141.7 263.3
130 122.2 86.7 160.9
51 69.8 53.0 79.6

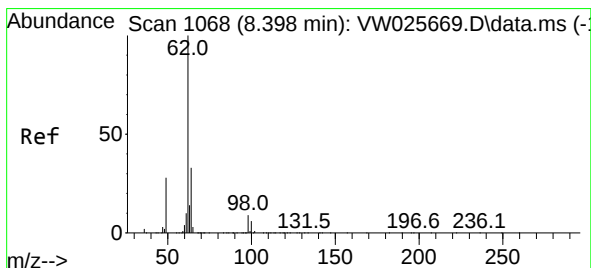
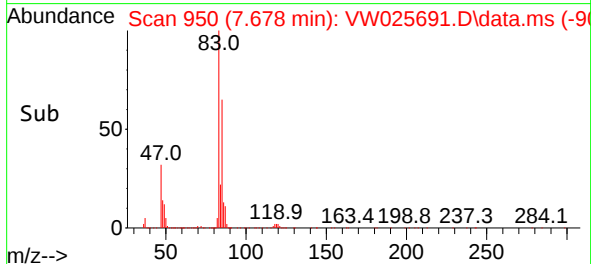
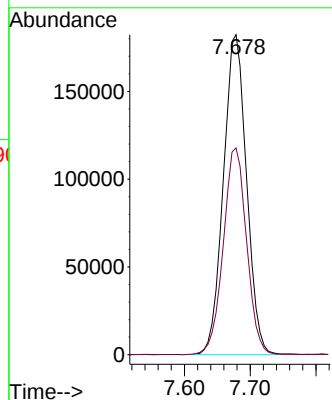
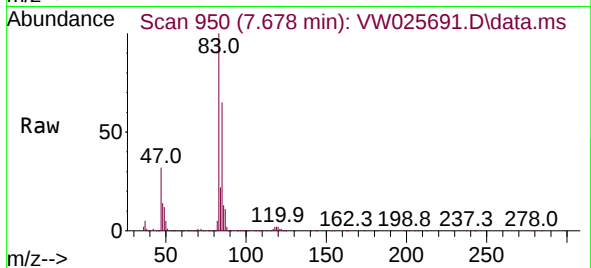




#25
Chloroform
Concen: 24.853 ug/L
RT: 7.678 min Scan# 910
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

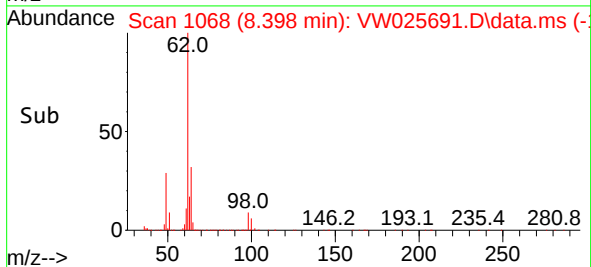
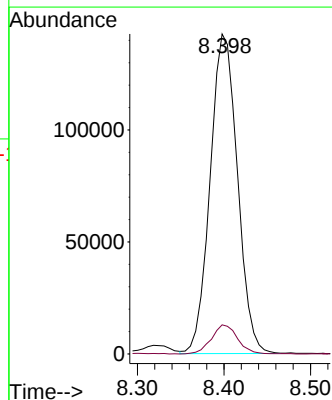
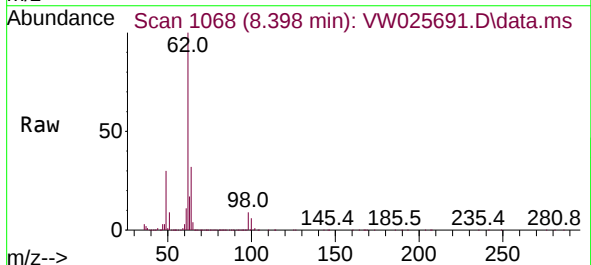
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

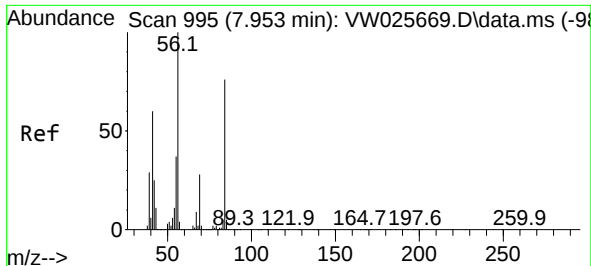
Tgt Ion: 83 Resp: 446335
Ion Ratio Lower Upper
83 100
85 64.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 25.939 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 62 Resp: 312604
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0

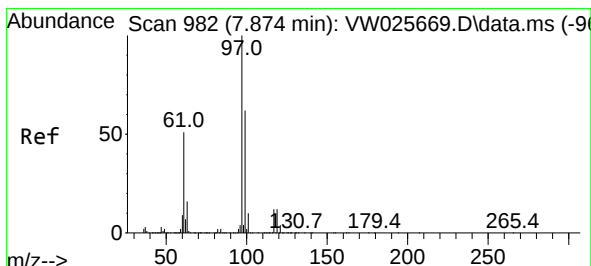
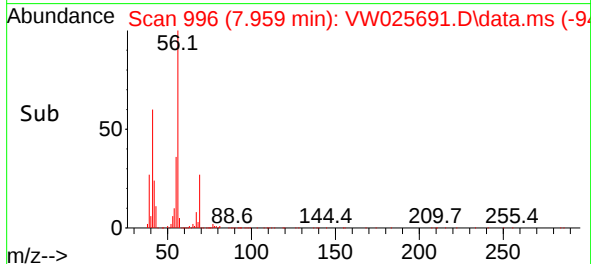
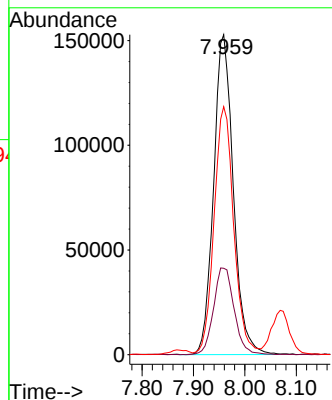
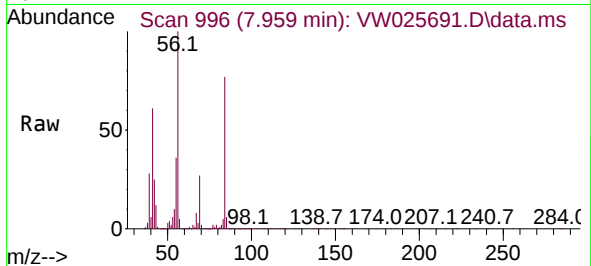




#29
Cyclohexane
Concen: 20.487 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

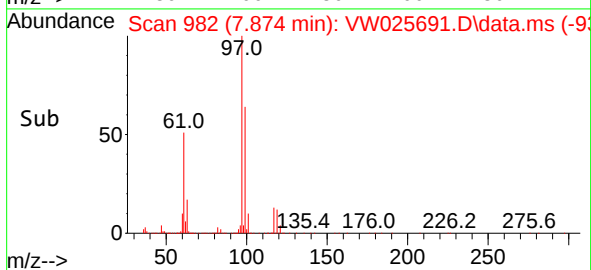
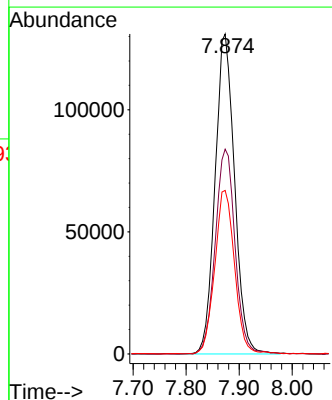
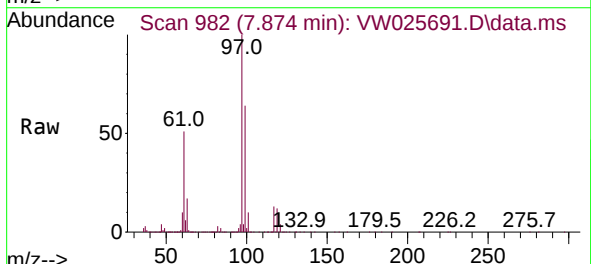
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

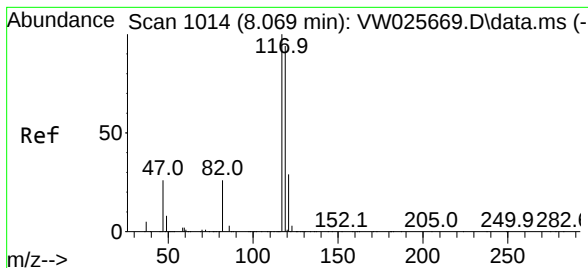
Tgt Ion: 56 Resp: 406398
Ion Ratio Lower Upper
56 100
69 28.3 22.7 34.1
84 77.7 62.5 93.7



#30
1,1,1-Trichloroethane
Concen: 21.965 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 97 Resp: 334495
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.6
61 51.8 40.5 60.7





#31

Carbon tetrachloride

Concen: 21.529 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

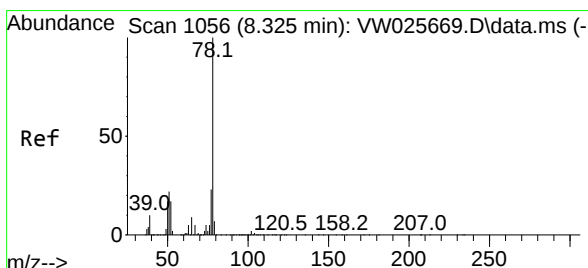
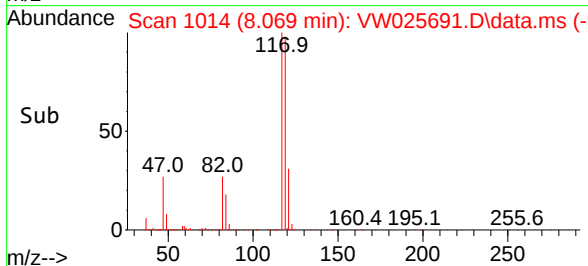
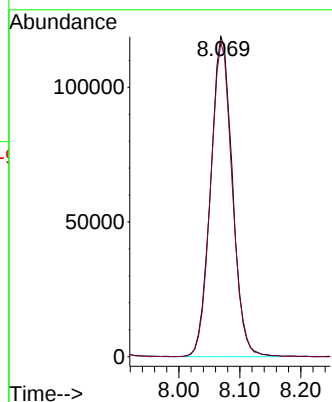
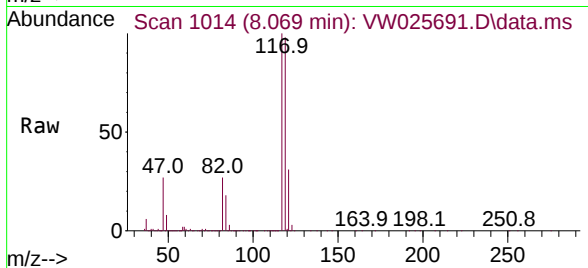
VSTD025580

Tgt Ion:117 Resp: 296086

Ion Ratio Lower Upper

117 100

119 97.4 75.7 113.5



#33

Benzene

Concen: 23.089 ug/L

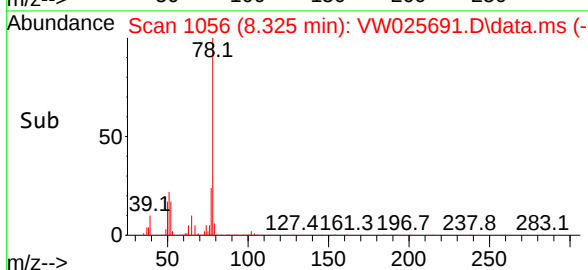
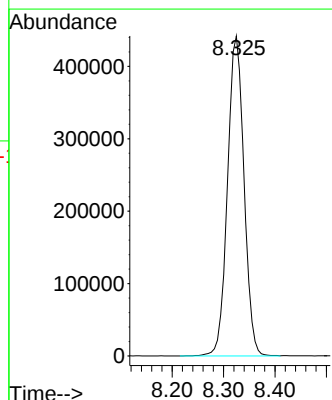
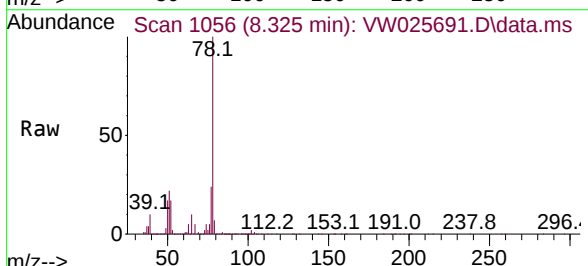
RT: 8.325 min Scan# 1056

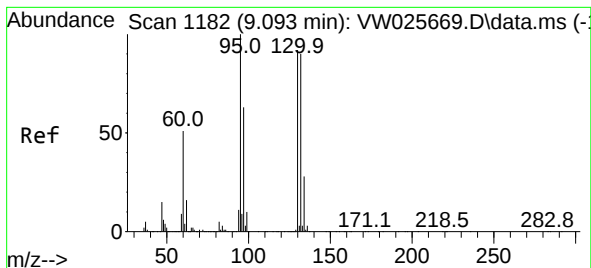
Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Tgt Ion: 78 Resp: 984958





#34

Trichloroethene

Concen: 21.663 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

Tgt Ion: 95 Resp: 240382

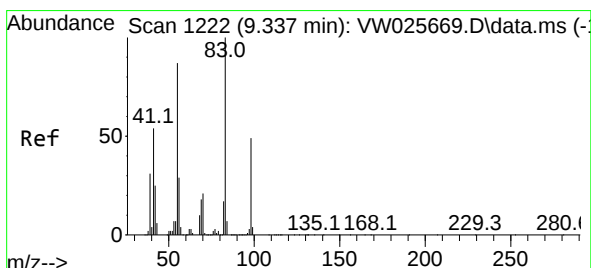
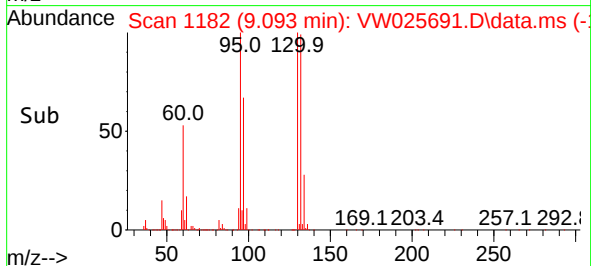
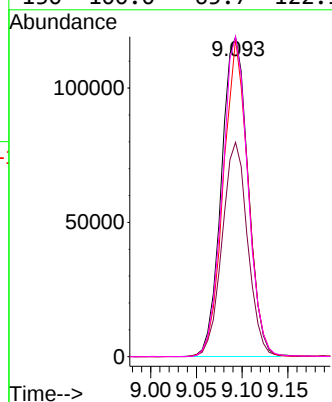
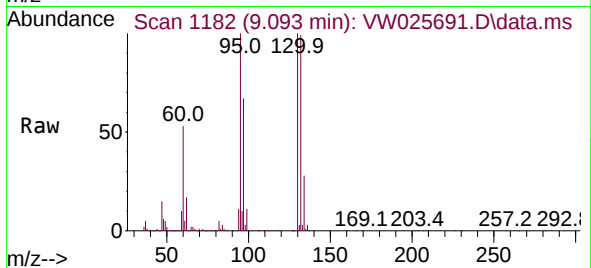
Ion Ratio Lower Upper

95 100

97 67.0 42.5 78.9

132 99.3 59.8 111.1

130 100.0 65.7 122.1



#35

Methylcyclohexane

Concen: 20.089 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

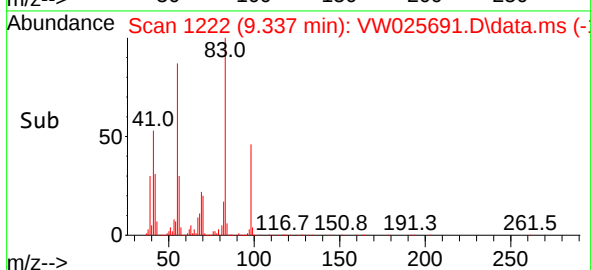
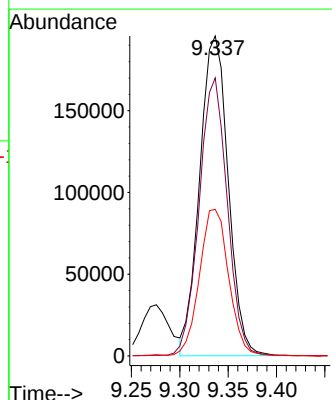
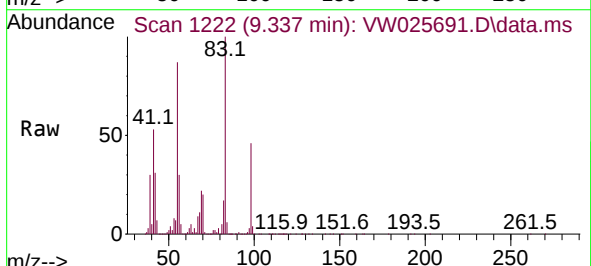
Tgt Ion: 83 Resp: 402529

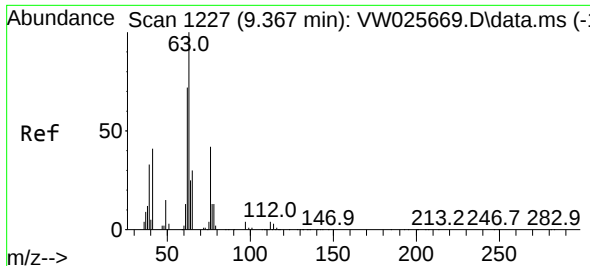
Ion Ratio Lower Upper

83 100

55 85.7 68.7 103.1

98 47.0 37.7 56.5

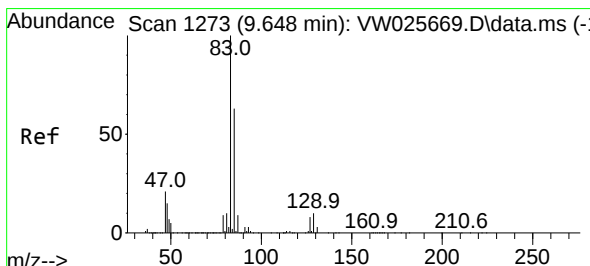
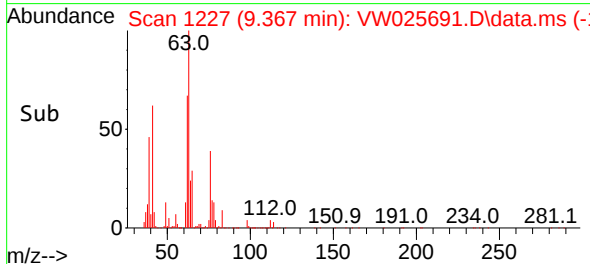
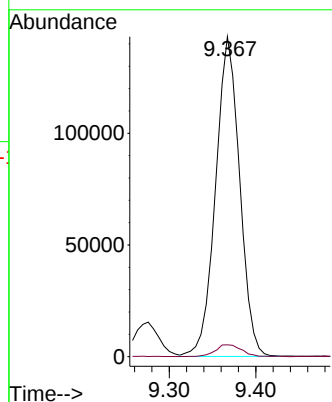
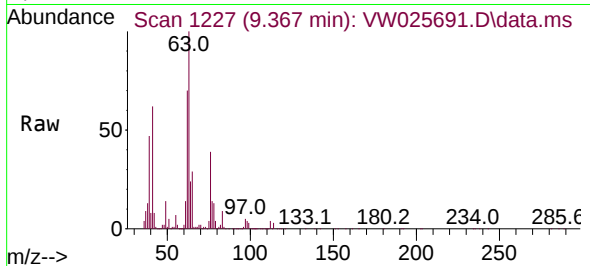




#37
1,2-Dichloropropane
Concen: 24.523 ug/L
RT: 9.367 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

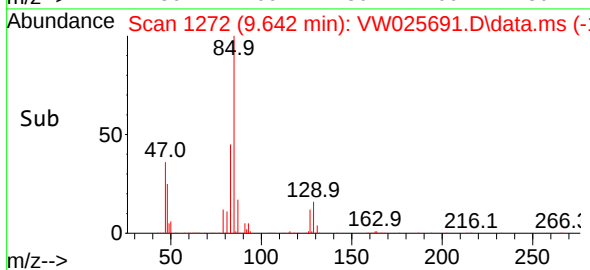
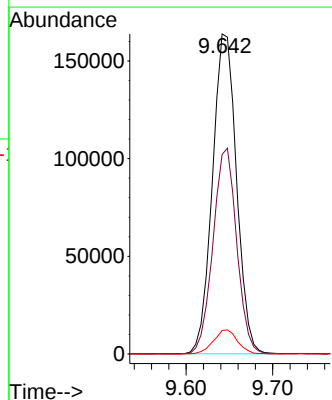
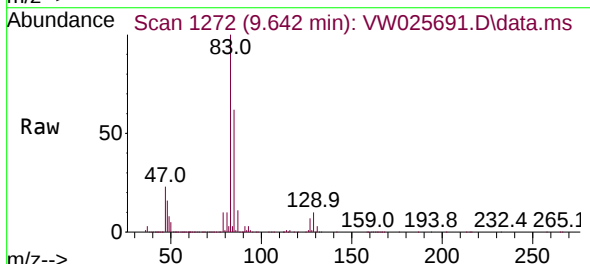
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

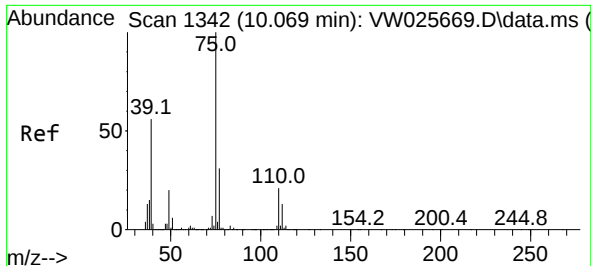
Tgt Ion: 63 Resp: 276282
Ion Ratio Lower Upper
63 100
112 4.1 3.4 5.0



#38
Bromodichloromethane
Concen: 24.537 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. -0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 83 Resp: 316292
Ion Ratio Lower Upper
83 100
85 62.4 43.5 80.7
127 7.4 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 23.510 ug/L

RT: 10.074 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

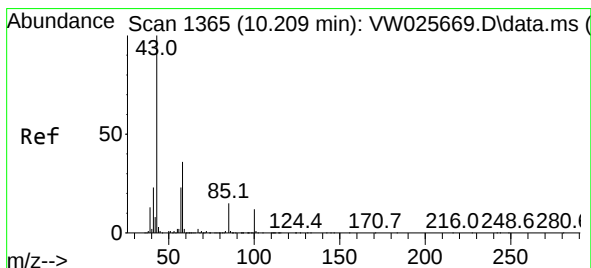
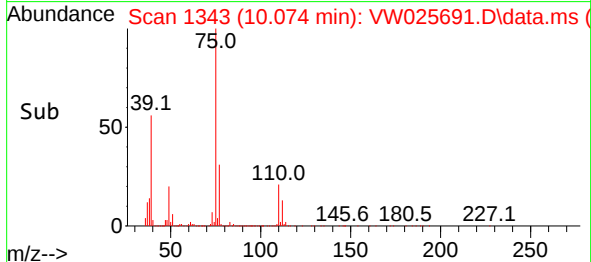
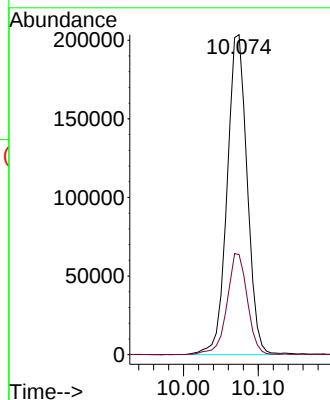
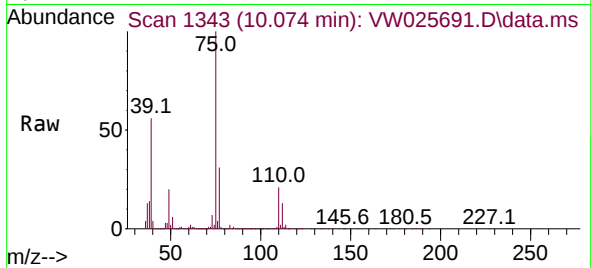
VSTD025580

Tgt Ion: 75 Resp: 379953

Ion Ratio Lower Upper

75 100

77 31.3 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 56.290 ug/L

RT: 10.208 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

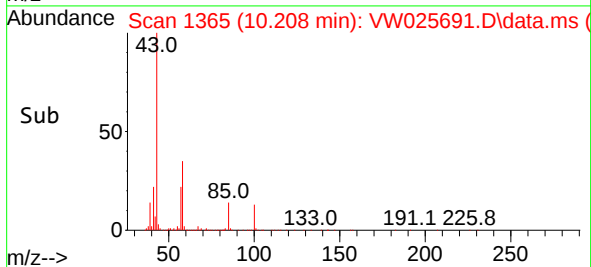
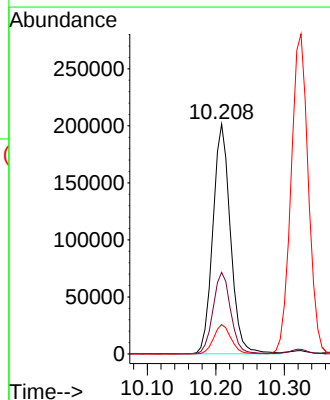
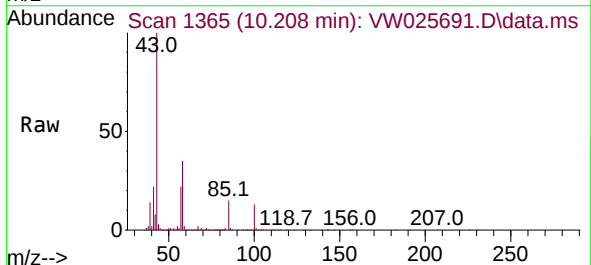
Tgt Ion: 43 Resp: 358969

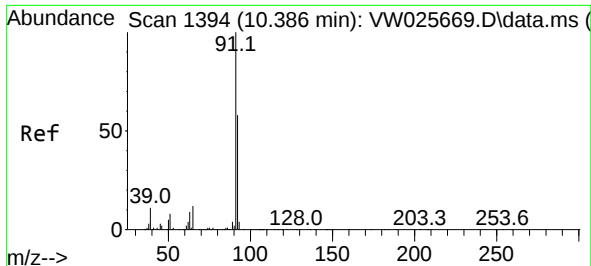
Ion Ratio Lower Upper

43 100

58 35.7 29.2 43.8

100 12.7 10.2 15.4

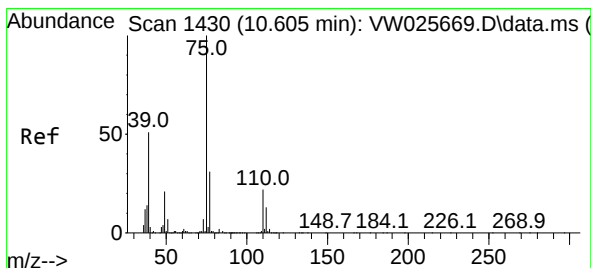
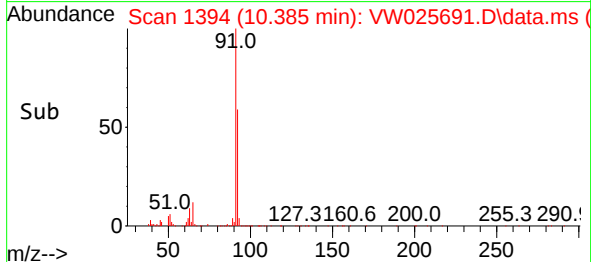
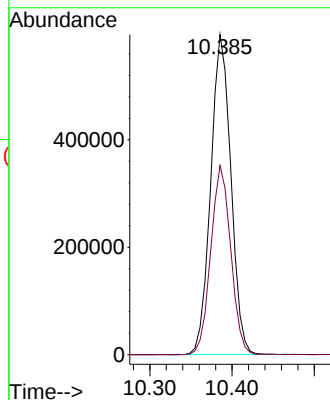
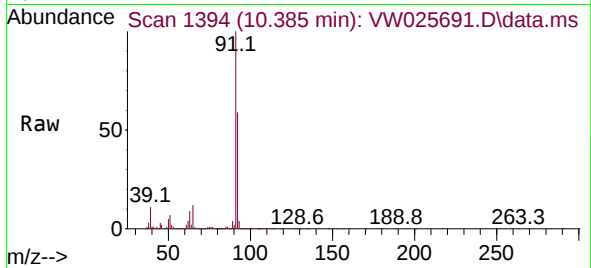




#42
Toluene
Concen: 23.326 ug/L
RT: 10.385 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

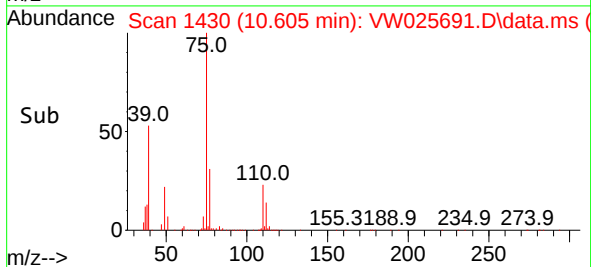
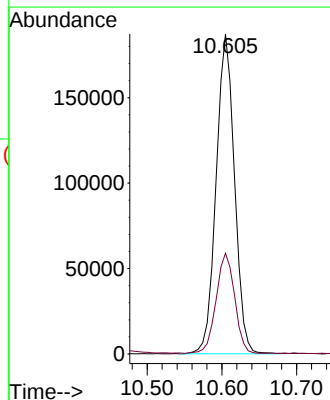
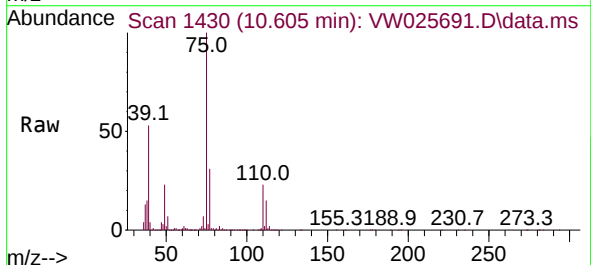
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

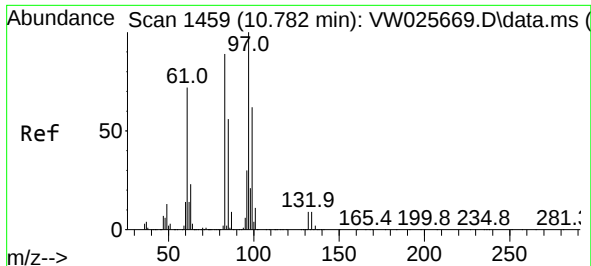
Tgt Ion: 91 Resp: 1013289
Ion Ratio Lower Upper
91 100
92 59.1 41.1 76.3



#44
trans-1,3-Dichloropropene
Concen: 24.043 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 75 Resp: 320404
Ion Ratio Lower Upper
75 100
77 31.5 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 25.407 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

Tgt Ion: 97 Resp: 182518

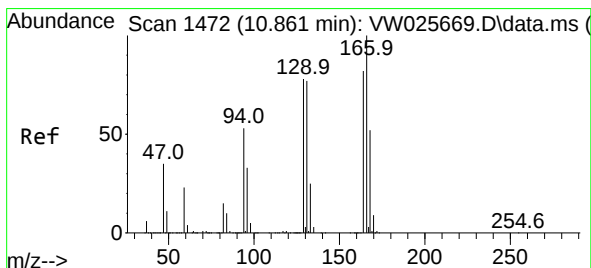
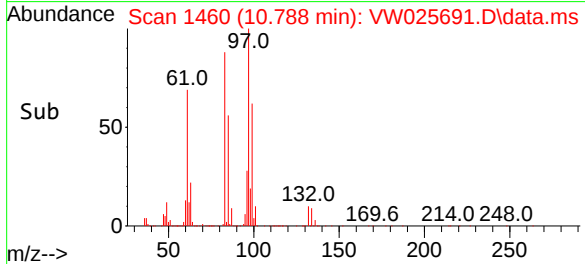
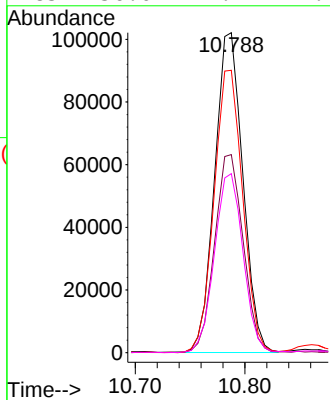
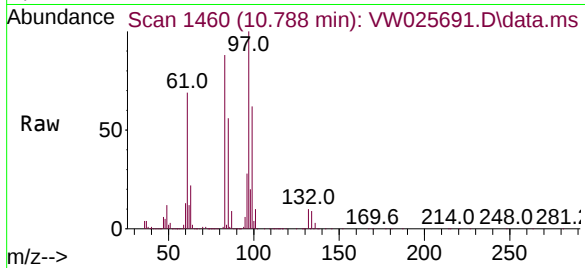
Ion Ratio Lower Upper

97 100

99 61.9 43.8 81.3

83 88.2 61.8 114.8

85 56.0 41.4 77.0



#46

Tetrachloroethene

Concen: 21.544 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Tgt Ion:164 Resp: 168131

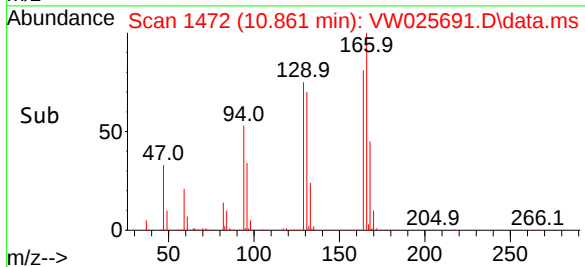
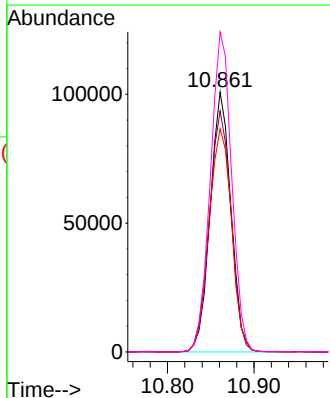
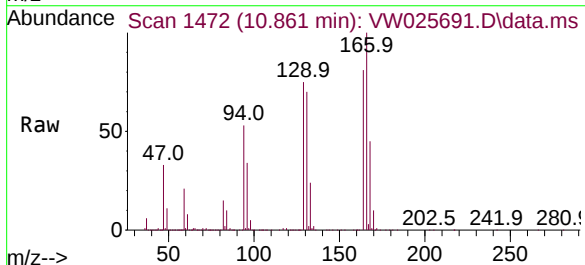
Ion Ratio Lower Upper

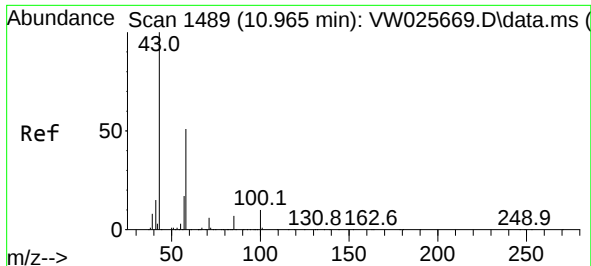
164 100

129 92.7 76.9 142.9

131 85.8 70.5 130.9

166 123.1 89.2 165.8



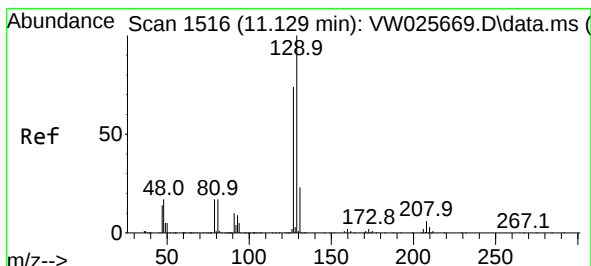
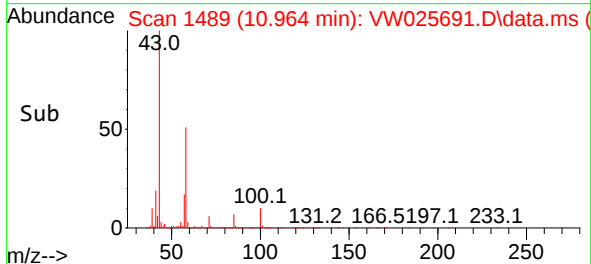
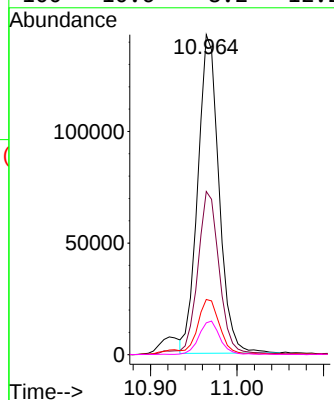
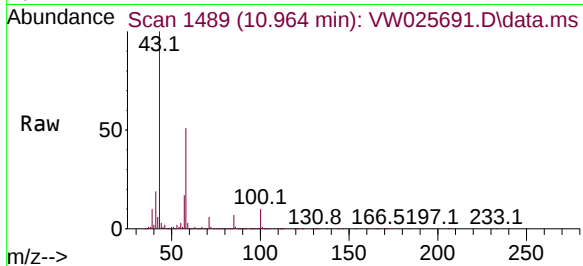


#48
2-Hexanone
Concen: 55.031 ug/L
RT: 10.964 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

Tgt Ion: 43 Resp: 242474

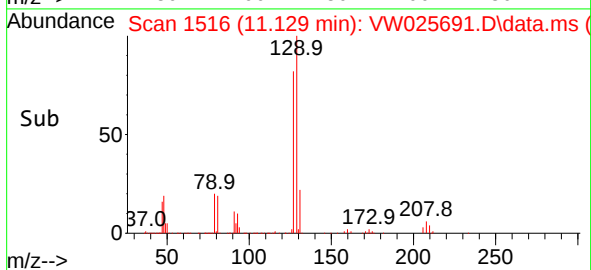
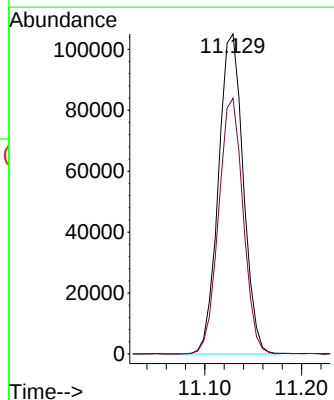
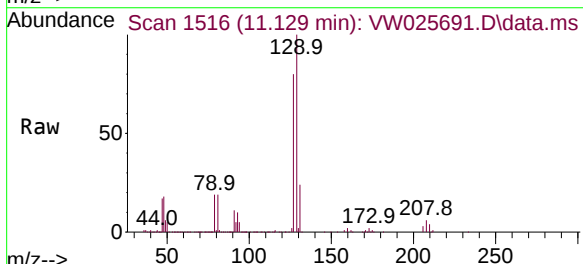
Ion	Ratio	Lower	Upper
43	100		
58	50.7	38.6	57.8
57	17.9	13.9	20.9
100	10.6	8.2	12.2

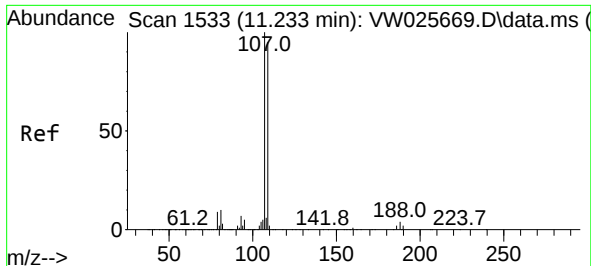


#49
Dibromochloromethane
Concen: 24.762 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 129 Resp: 187292

Ion	Ratio	Lower	Upper
129	100		
127	79.9	54.0	100.2





#50

1,2-Dibromoethane

Concen: 24.977 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

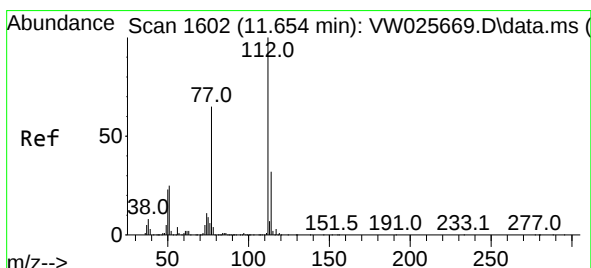
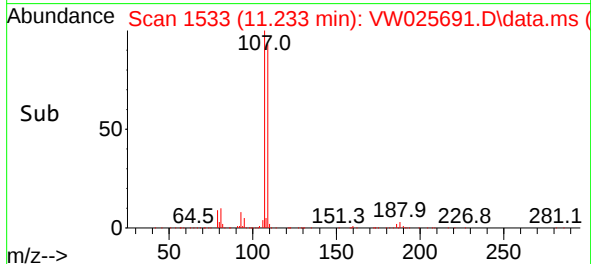
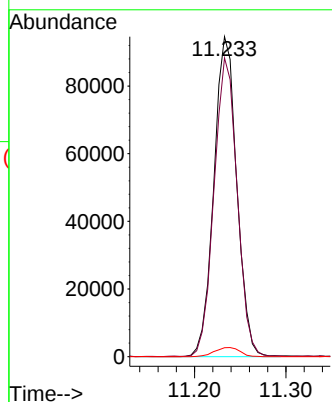
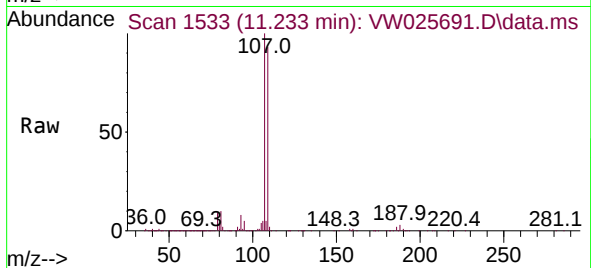
Tgt Ion:107 Resp: 164861

Ion Ratio Lower Upper

107 100

109 93.3 64.1 119.1

188 2.8 2.8 4.2



#51

Chlorobenzene

Concen: 23.132 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

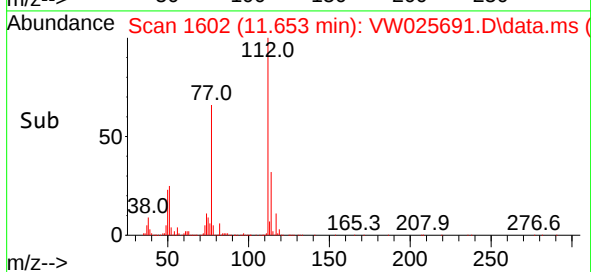
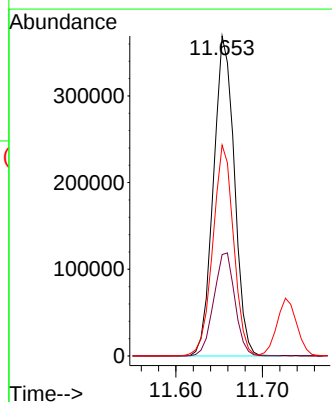
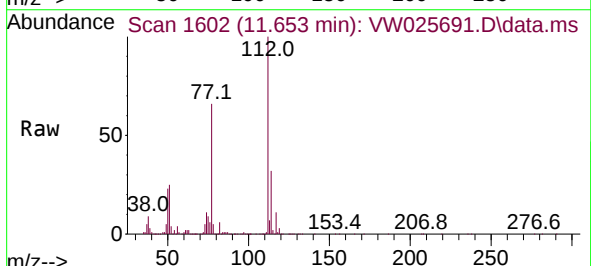
Tgt Ion:112 Resp: 619197

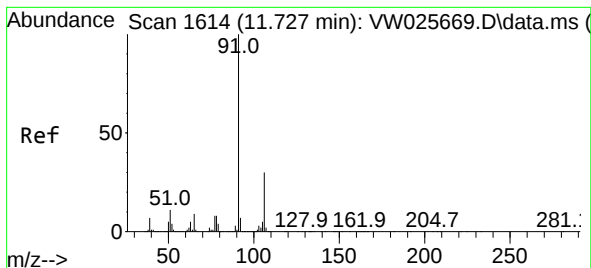
Ion Ratio Lower Upper

112 100

114 31.7 21.6 40.2

77 65.9 50.2 75.2

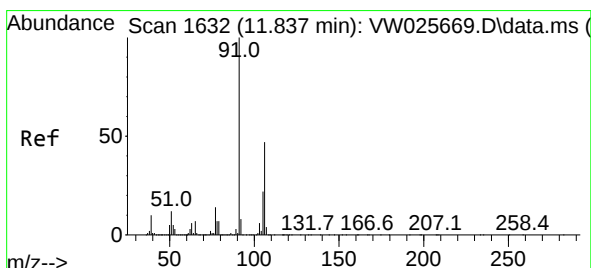
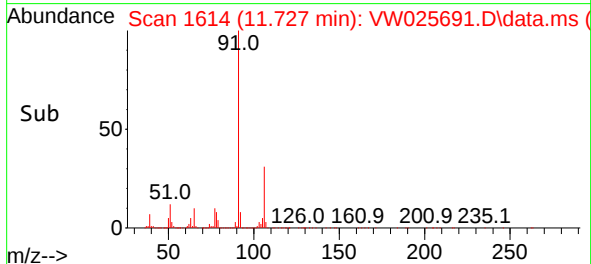
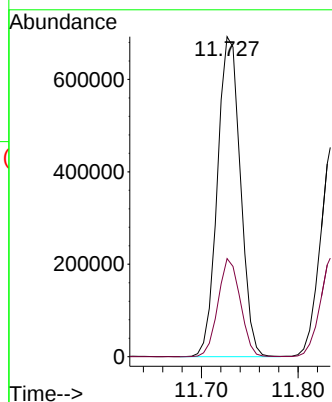
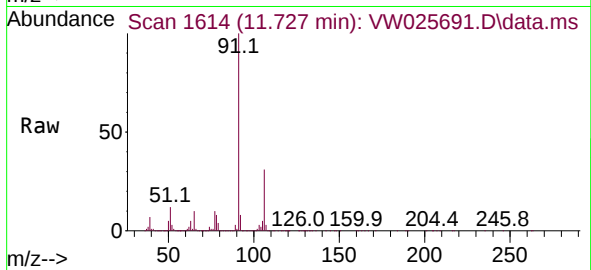




#52
Ethylbenzene
Concen: 23.212 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

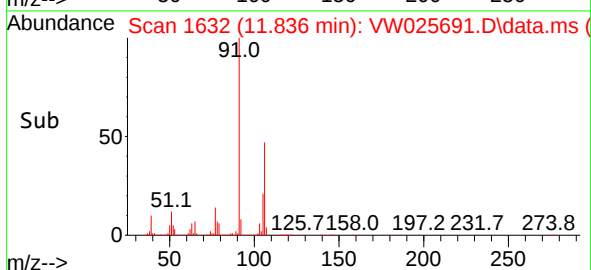
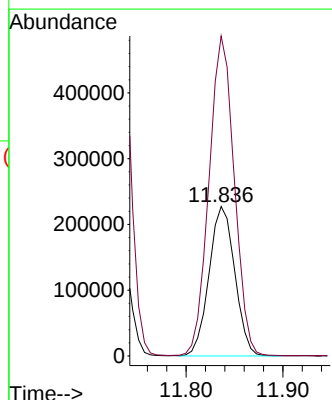
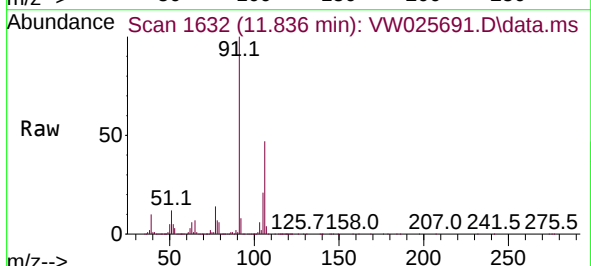
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

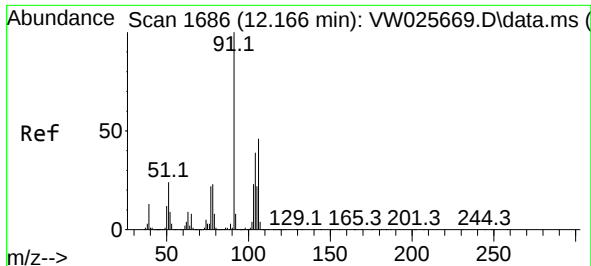
Tgt Ion: 91 Resp: 1141030
Ion Ratio Lower Upper
91 100
106 30.6 20.3 37.7



#53
m,p-Xylene
Concen: 23.300 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion: 106 Resp: 420026
Ion Ratio Lower Upper
106 100
91 214.2 148.0 274.8

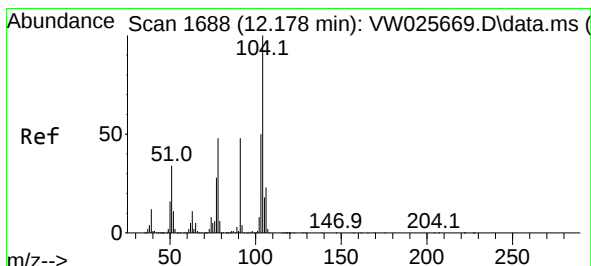
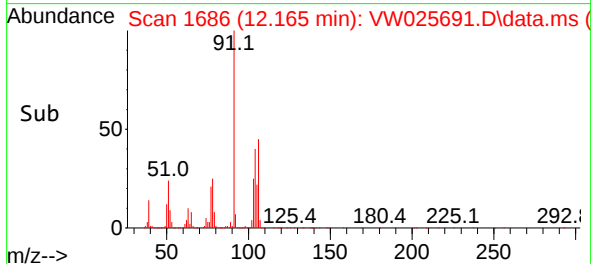
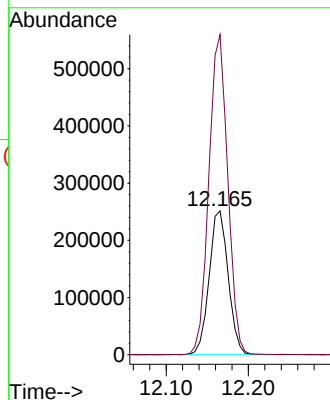
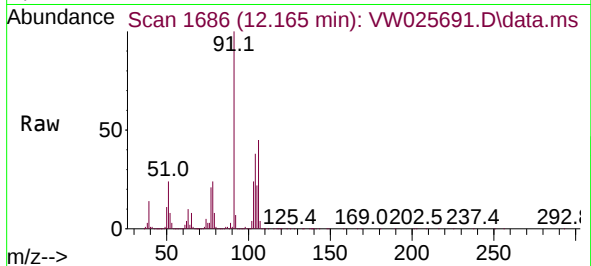




#54
o-Xylene
Concen: 23.977 ug/L
RT: 12.165 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

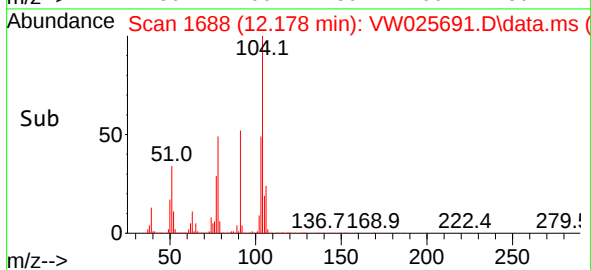
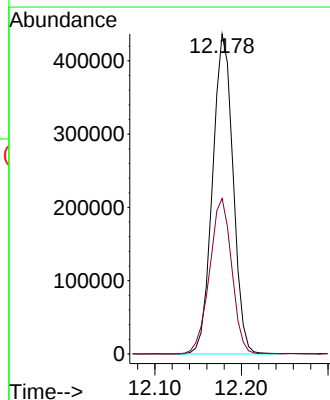
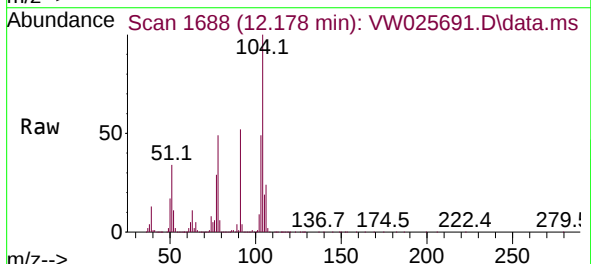
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

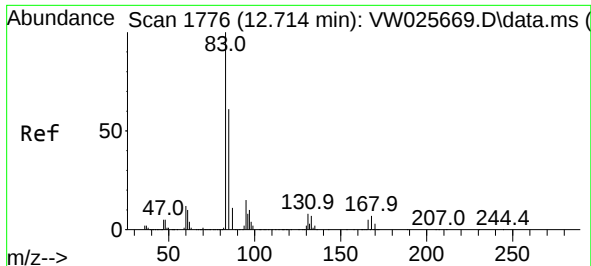
Tgt Ion:106 Resp: 404356
Ion Ratio Lower Upper
106 100
91 222.4 158.2 293.8



#55
Styrene
Concen: 25.322 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion:104 Resp: 718787
Ion Ratio Lower Upper
104 100
78 48.6 33.3 61.9





#57

1,1,2,2-Tetrachloroethane

Concen: 26.177 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

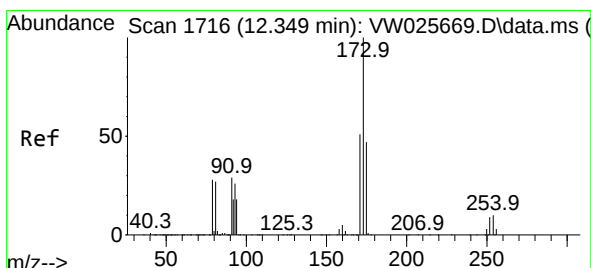
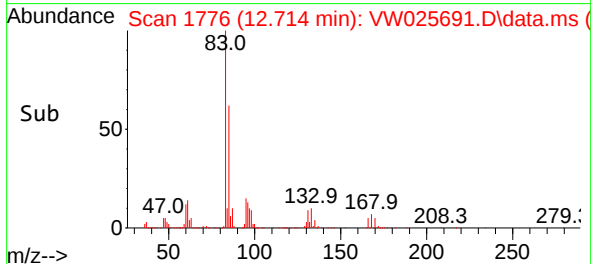
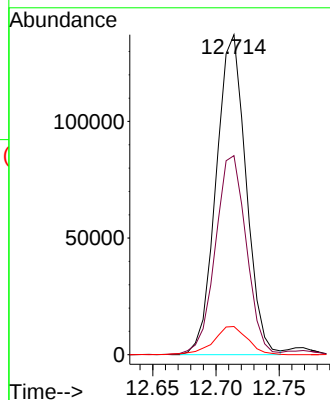
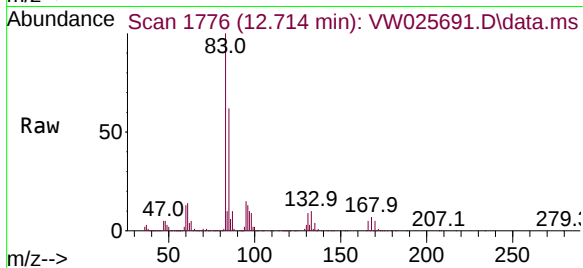
Tgt Ion: 83 Resp: 225252

Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.7

131 8.8 7.0 10.4



#59

Bromoform

Concen: 25.765 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

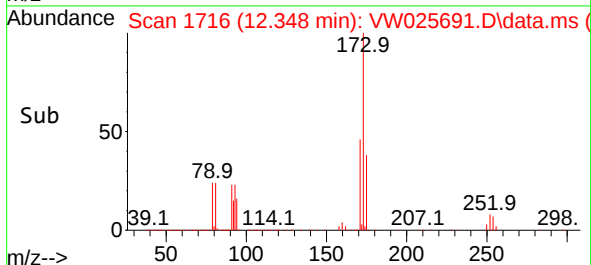
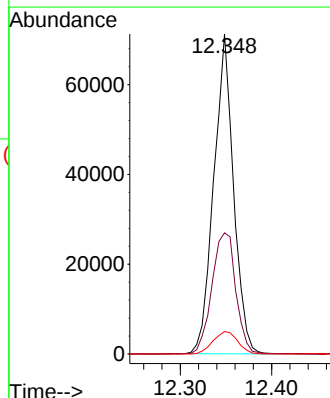
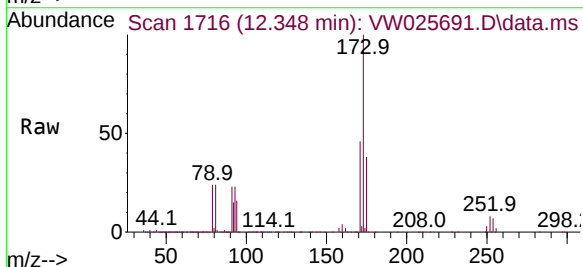
Tgt Ion:173 Resp: 106965

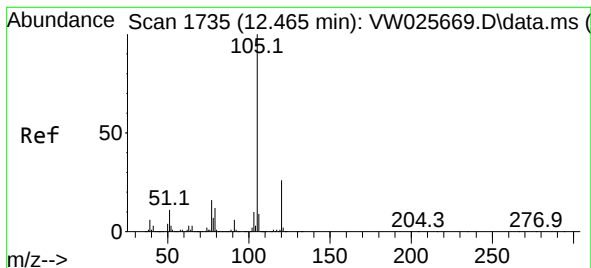
Ion Ratio Lower Upper

173 100

175 45.9 36.1 54.1

254 8.8 7.0 10.6





#60

Isopropylbenzene

Concen: 23.415 ug/L

RT: 12.464 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

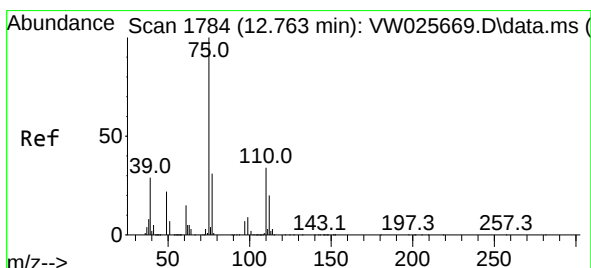
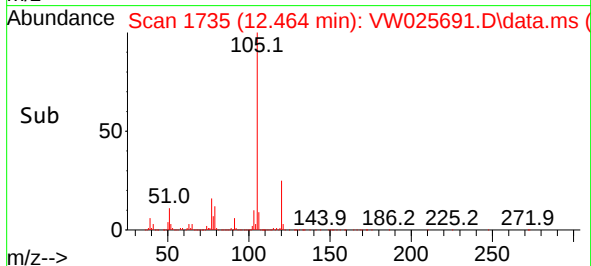
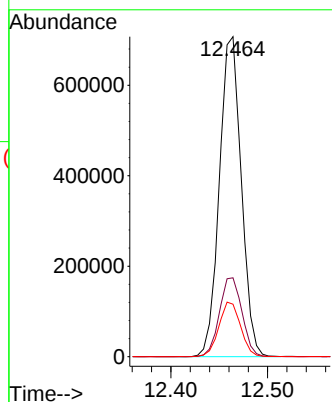
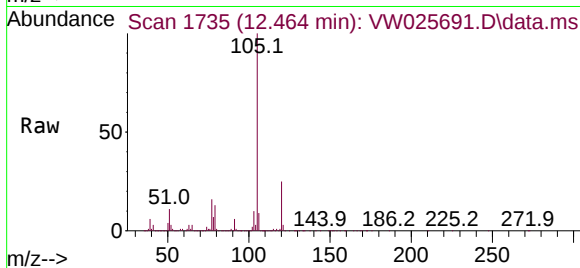
Tgt Ion:105 Resp: 1111233

Ion Ratio Lower Upper

105 100

120 25.5 20.1 30.1

77 16.9 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 26.233 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

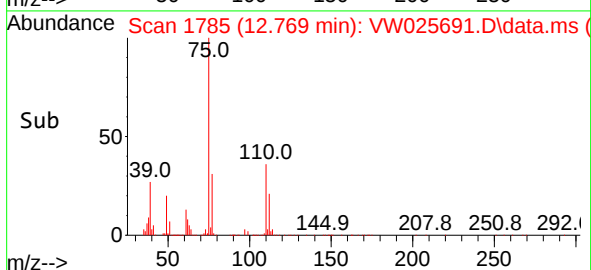
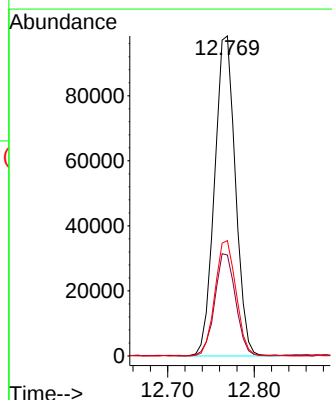
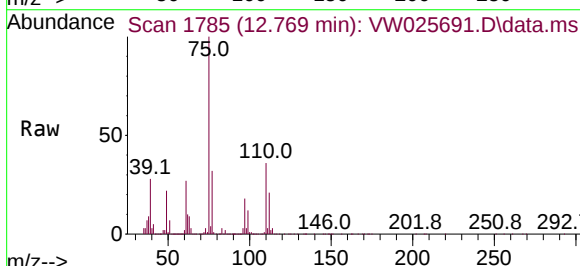
Tgt Ion: 75 Resp: 164723

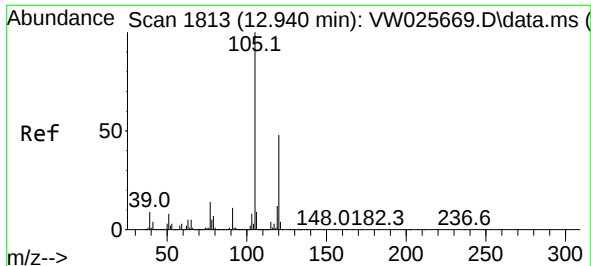
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2

110 36.3 29.0 43.6





#62

1,3,5-Trimethylbenzene

Concen: 23.768 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

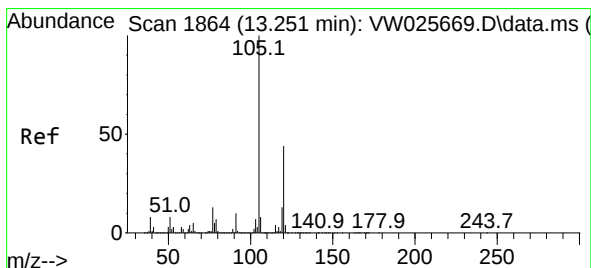
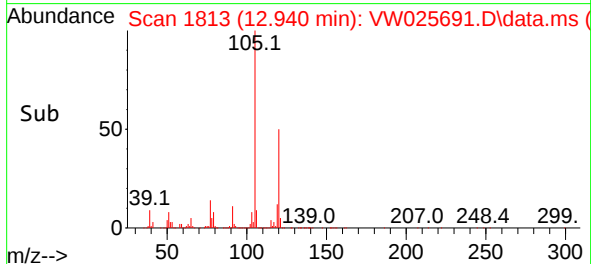
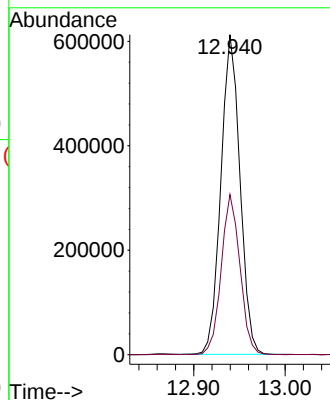
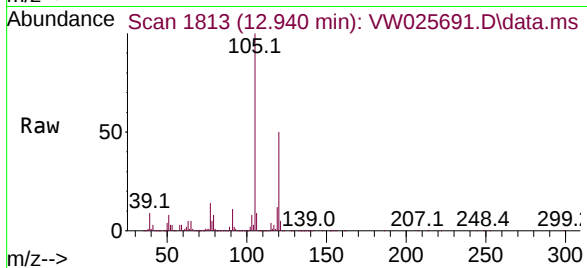
VSTD025580

Tgt Ion:105 Resp: 890444

Ion Ratio Lower Upper

105 100

120 49.1 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 23.885 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.006 min

Lab File: VW025691.D

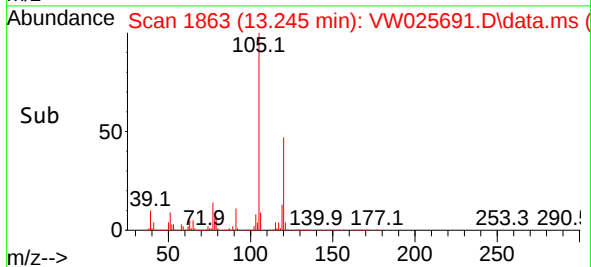
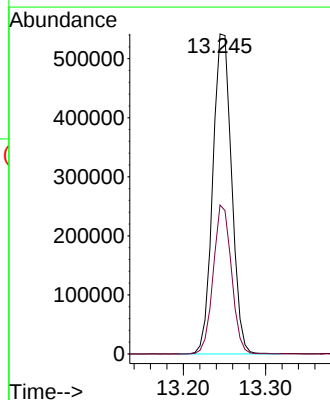
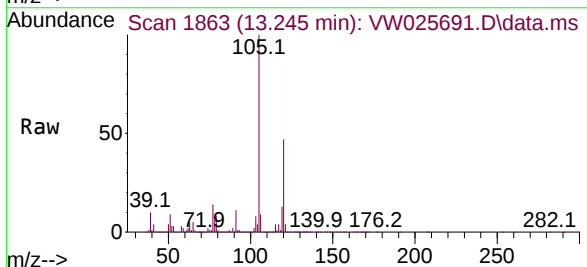
Acq: 25 Apr 2023 18:34

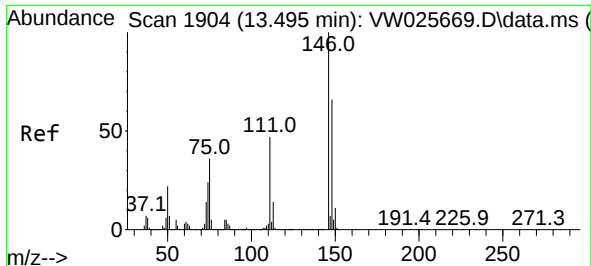
Tgt Ion:105 Resp: 861624

Ion Ratio Lower Upper

105 100

120 45.0 34.8 52.2

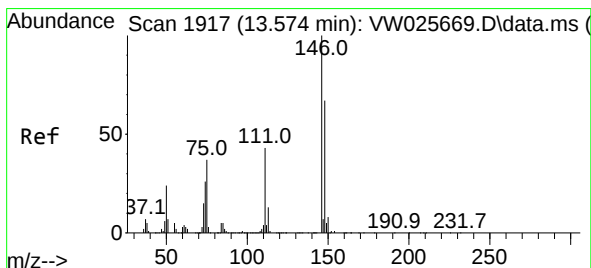
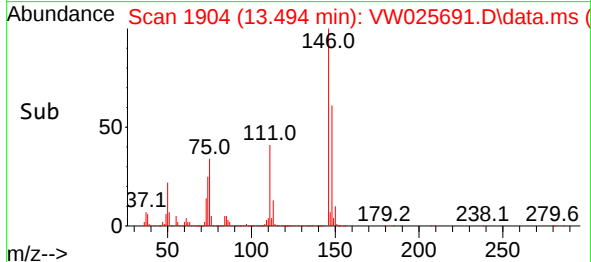
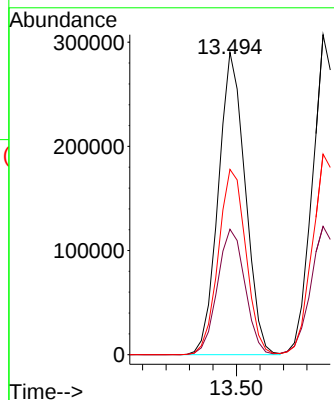
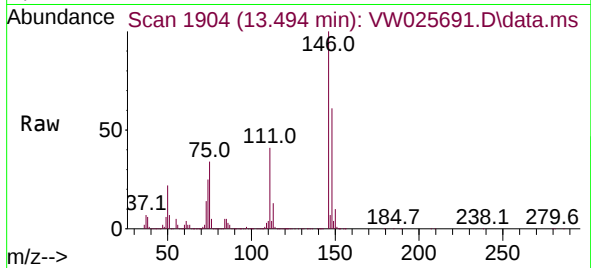




#64
1,3-Dichlorobenzene
Concen: 23.465 ug/L
RT: 13.494 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

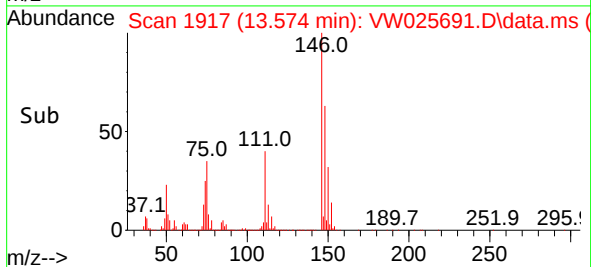
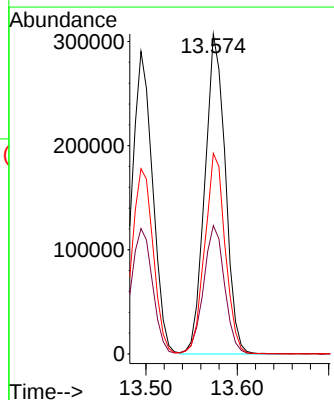
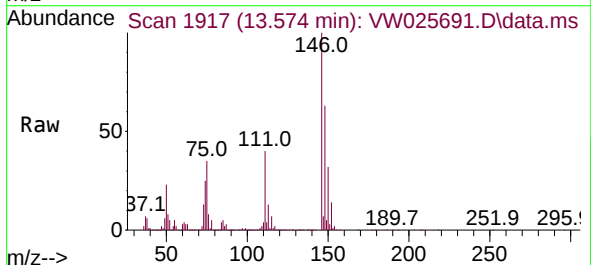
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

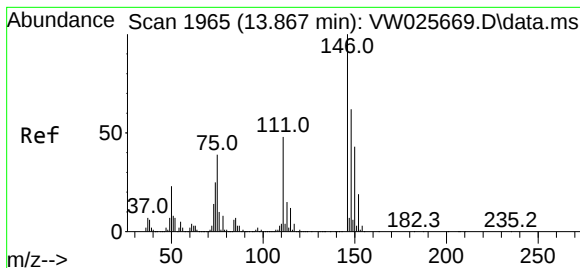
Tgt Ion:146 Resp: 461485
Ion Ratio Lower Upper
146 100
111 41.5 29.7 55.1
148 61.3 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 23.721 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion:146 Resp: 476442
Ion Ratio Lower Upper
146 100
111 40.1 30.4 56.5
148 62.7 48.6 90.3





#67

1,2-Dichlorobenzene

Concen: 24.479 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

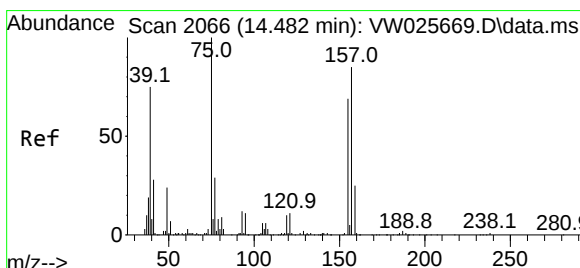
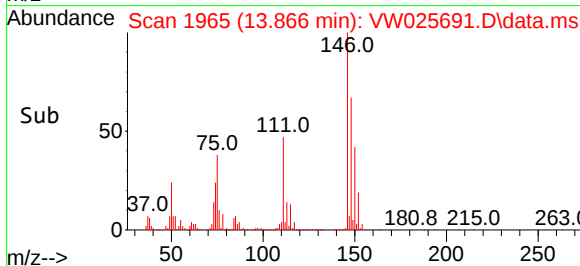
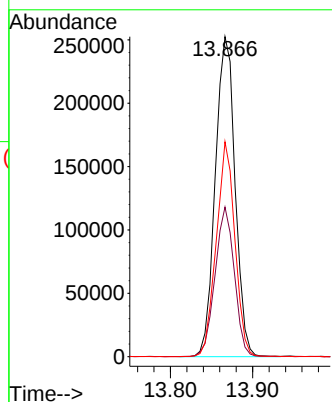
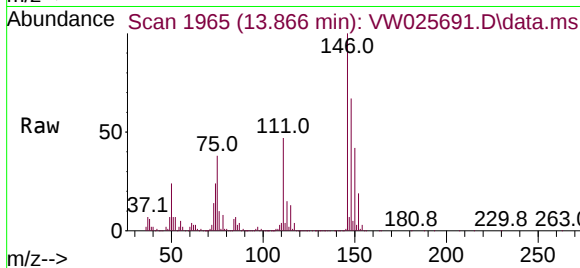
Tgt Ion:146 Resp: 422050

Ion Ratio Lower Upper

146 100

111 46.8 35.3 52.9

148 67.2 47.9 71.9



#68

1,2-Dibromo-3-chloropropane

Concen: 26.051 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

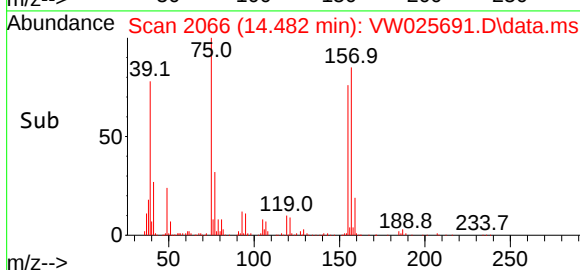
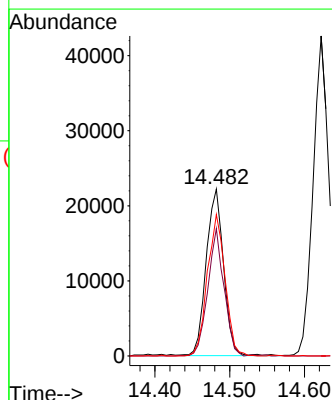
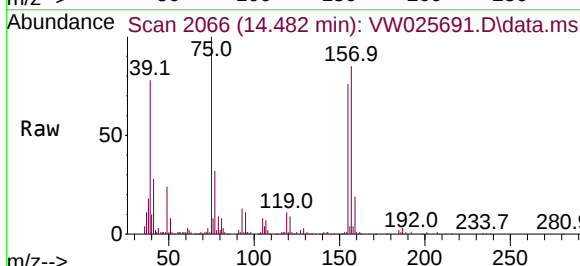
Tgt Ion: 75 Resp: 35883

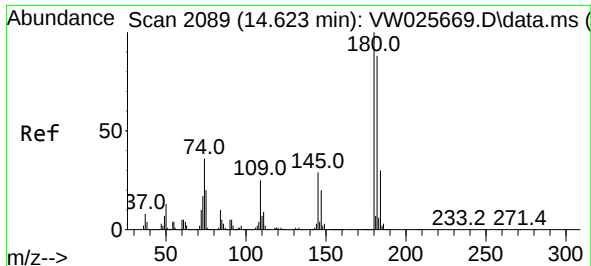
Ion Ratio Lower Upper

75 100

155 76.3 61.1 91.7

157 84.7 72.8 109.2

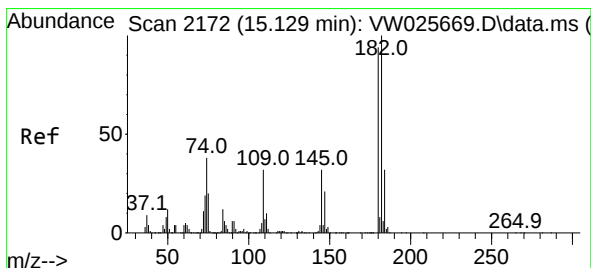
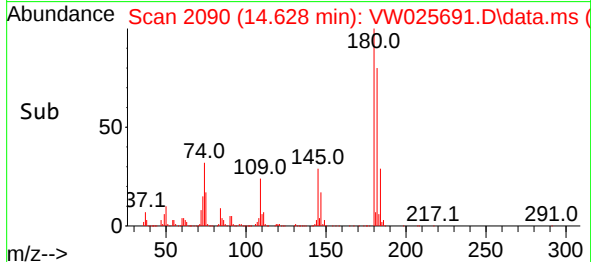
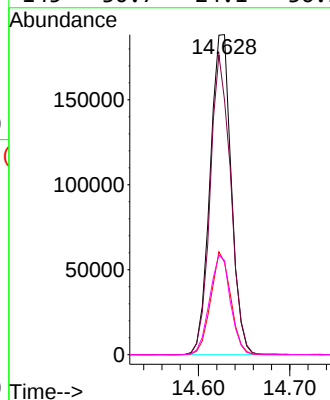
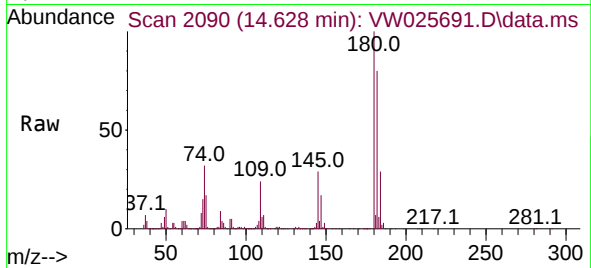




#69
1,3,5-Trichlorobenzene
Concen: 23.033 ug/L
RT: 14.628 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

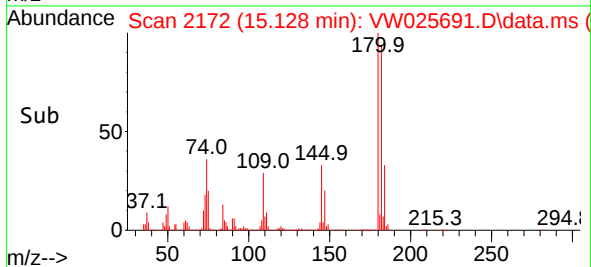
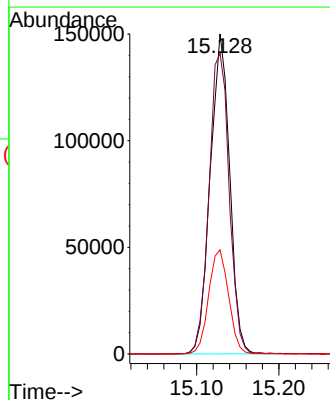
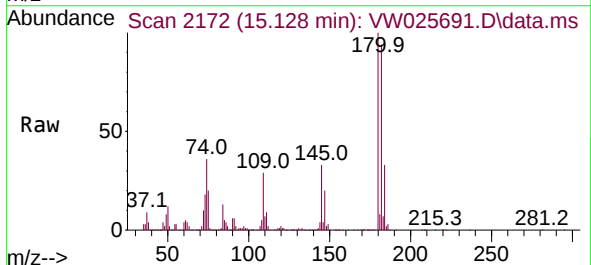
Instrument :
MSVOA_W
ClientSampleId :
VSTD025580

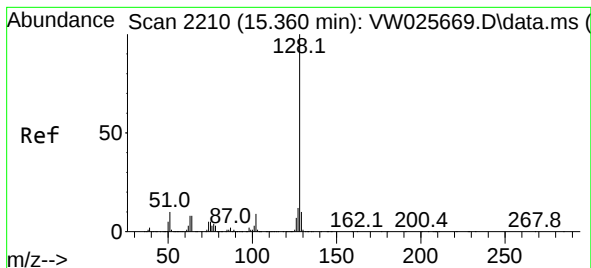
Tgt Ion:180 Resp: 303283
Ion Ratio Lower Upper
180 100
182 90.5 76.4 114.6
184 30.3 24.1 36.1
145 30.7 24.1 36.1



#70
1,2,4-trichlorobenzene
Concen: 23.086 ug/L
RT: 15.128 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW025691.D
Acq: 25 Apr 2023 18:34

Tgt Ion:180 Resp: 246937
Ion Ratio Lower Upper
180 100
182 97.4 79.5 119.3
145 33.4 27.4 41.0





#71

Naphthalene

Concen: 27.803 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD025580

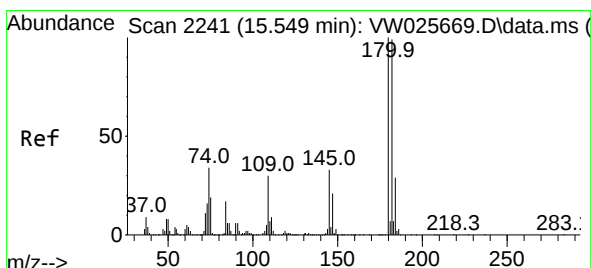
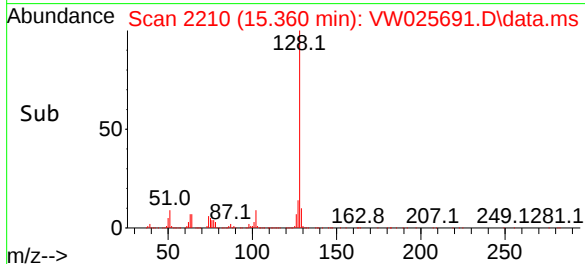
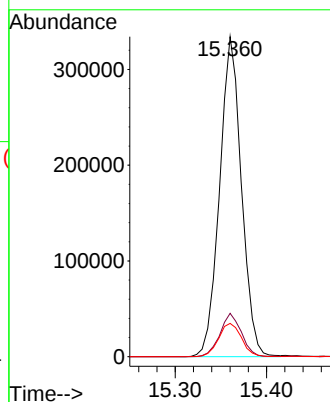
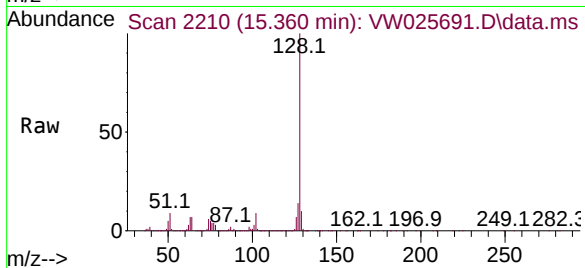
Tgt Ion:128 Resp: 554924

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 24.998 ug/L

RT: 15.555 min Scan# 2242

Delta R.T. 0.006 min

Lab File: VW025691.D

Acq: 25 Apr 2023 18:34

Tgt Ion:180 Resp: 233784

Ion Ratio Lower Upper

180 100

182 97.3 72.9 109.3

145 34.3 27.0 40.6

