

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022223\
 Data File : VW025363.D
 Acq On : 22 Feb 2023 16:28
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025543

Quant Time: Feb 22 21:31:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022223SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 22 21:27:06 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	390835	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	344666	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	176515	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	70435	21.288	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.160%
7) Chloroethane-d5	2.899	69	55103	22.588	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.360%
11) 1,1-Dichloroethene-d2	4.027	63	194901	22.694	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.760%
21) 2-Butanone-d5	7.075	46	39480	52.598	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.200%
24) Chloroform-d	7.648	84	182756	24.376	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.520%
26) 1,2-Dichloroethane-d4	8.306	65	94724	24.355	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.440%
32) Benzene-d6	8.276	84	353621	24.210	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.840%
36) 1,2-Dichloropropane-d6	9.276	67	97805	23.862	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.440%
41) Toluene-d8	10.324	98	330657	24.283	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.120%
43) trans-1,3-Dichloroprop...	10.580	79	46765	25.043	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.160%
47) 2-Hexanone-d5	10.922	63	31920	53.387	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.780%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	78425	25.558	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.240%
66) 1,2-Dichlorobenzene-d4	13.848	152	104719	23.358	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	92332	18.819	ug/L	# 90
3) Chloromethane	2.222	50	99407	22.573	ug/L	92
5) Vinyl chloride	2.375	62	115376	22.504	ug/L	97
6) Bromomethane	2.789	94	76127	23.385	ug/L	98
8) Chloroethane	2.935	64	67973	22.657	ug/L	93
9) Trichlorofluoromethane	3.271	101	135852	21.837	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	116902	22.121	ug/L	91
12) 1,1-Dichloroethene	4.051	96	112684	22.376	ug/L	95
13) Acetone	4.124	43	58372	46.945	ug/L	98
14) Carbon disulfide	4.393	76	377447	22.978	ug/L	100
15) Methyl Acetate	4.673	43	46866	23.394	ug/L	99
16) Methylene chloride	4.917	84	131754	23.840	ug/L	98
17) trans-1,2-Dichloroethene	5.435	96	124070	23.501	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	185978	24.942	ug/L	99
19) 1,1-Dichloroethane	6.215	63	219565	23.145	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	133358	24.041	ug/L	97
22) 2-Butanone	7.173	43	71031	49.249	ug/L	97
23) Bromochloromethane	7.514	128	57706	24.378	ug/L	95
25) Chloroform	7.679	83	233672	23.936	ug/L	99

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 Quant Title : SFAM01.0
 QLast Update : Wed Feb 22 21:27:06 2023
 Response via : Initial Calibration

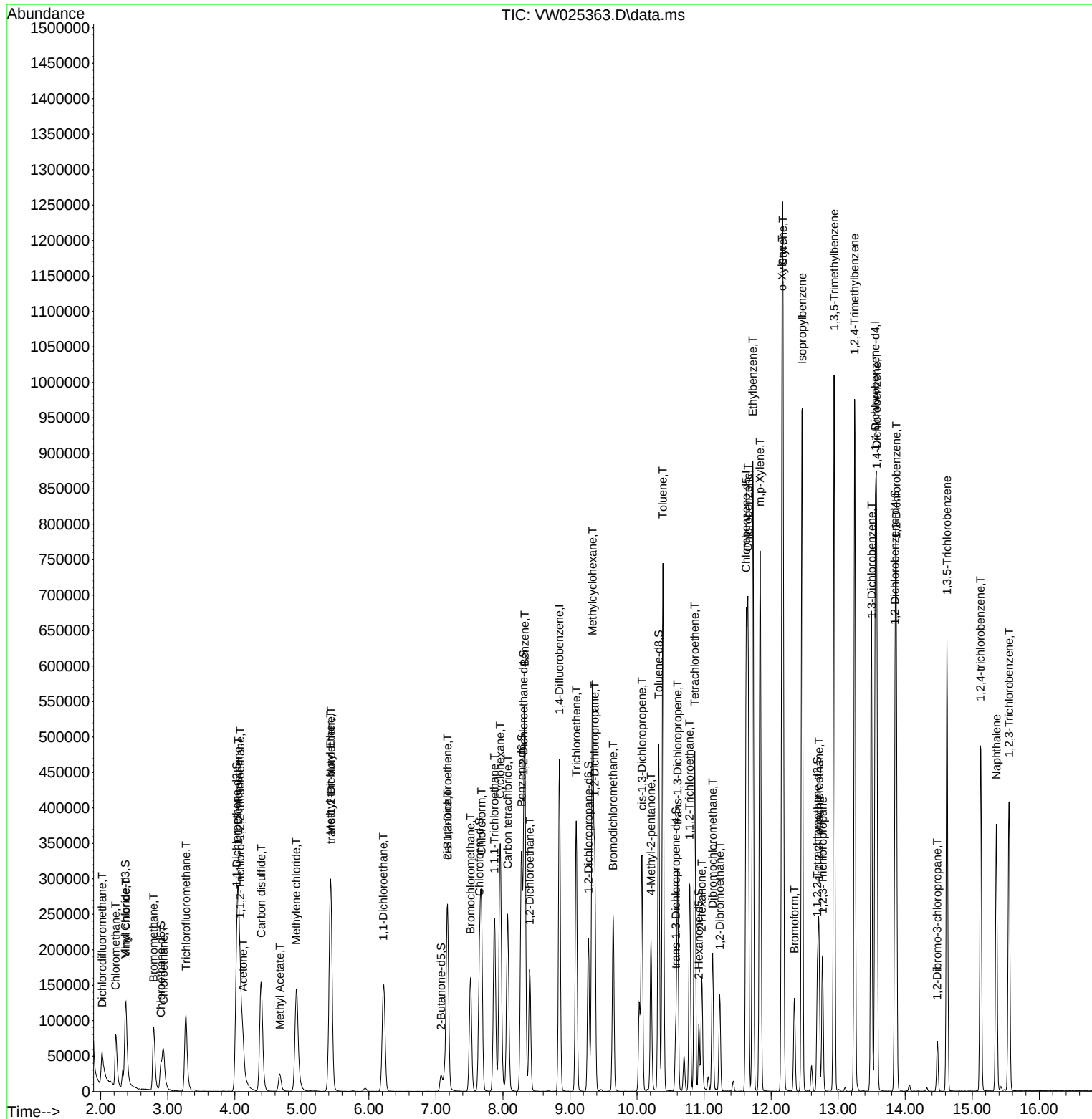
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	159482	24.219	ug/L	100
29) Cyclohexane	7.959	56	206508	23.802	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	207623	23.254	ug/L	99
31) Carbon tetrachloride	8.069	117	196491	23.382	ug/L	97
33) Benzene	8.325	78	499233	23.689	ug/L	100
34) Trichloroethene	9.093	95	136606	23.211	ug/L	98
35) Methylcyclohexane	9.337	83	247766	24.023	ug/L	98
37) 1,2-Dichloropropane	9.367	63	123579	24.242	ug/L	100
38) Bromodichloromethane	9.642	83	165909	23.994	ug/L	98
39) cis-1,3-Dichloropropene	10.074	75	205172	24.600	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	129550	49.954	ug/L	99
42) Toluene	10.385	91	544112	23.982	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	173311	24.719	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	94202	24.775	ug/L	96
46) Tetrachloroethene	10.861	164	101154	22.760	ug/L	95
48) 2-Hexanone	10.965	43	98843	51.065	ug/L	98
49) Dibromochloromethane	11.129	129	104993	23.905	ug/L	94
50) 1,2-Dibromoethane	11.233	107	89444	24.538	ug/L	99
51) Chlorobenzene	11.653	112	346747	23.798	ug/L	97
52) Ethylbenzene	11.727	91	627125	23.853	ug/L	100
53) m,p-Xylene	11.836	106	244681	24.494	ug/L	99
54) o-Xylene	12.166	106	226528	24.529	ug/L	98
55) Styrene	12.178	104	387202	24.654	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.714	83	107189	24.694	ug/L	99
59) Bromoform	12.348	173	59676	22.583	ug/L	100
60) Isopropylbenzene	12.464	105	628521	21.770	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	81249	23.232	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	536600	23.143	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	528027	24.058	ug/L	100
64) 1,3-Dichlorobenzene	13.501	146	272427	24.132	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	273699	24.183	ug/L	97
67) 1,2-Dichlorobenzene	13.866	146	234954	22.696	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.476	75	18599	23.016	ug/L	97
69) 1,3,5-Trichlorobenzene	14.622	180	175872	22.760	ug/L	98
70) 1,2,4-trichlorobenzene	15.122	180	147707	22.030	ug/L	97
71) Naphthalene	15.360	128	311860	24.189	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	131528	23.098	ug/L	99

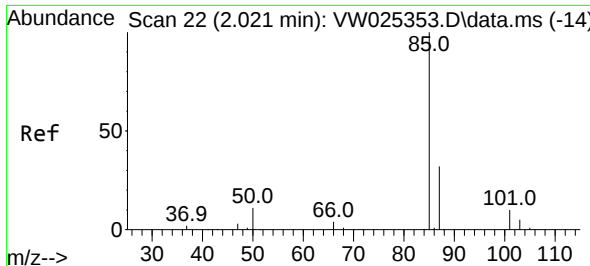
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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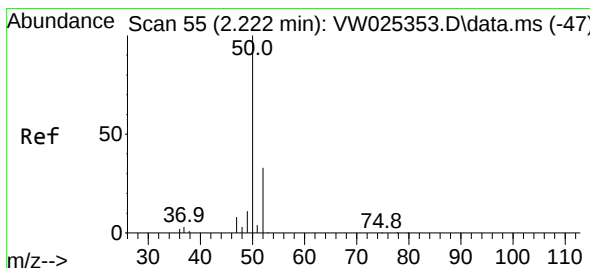
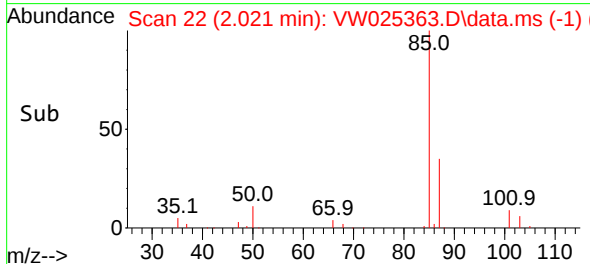
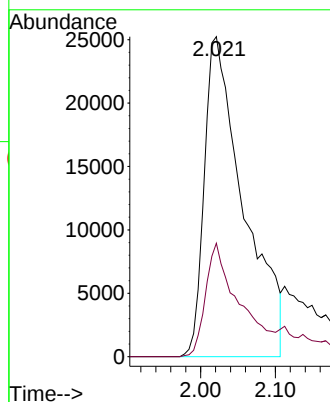
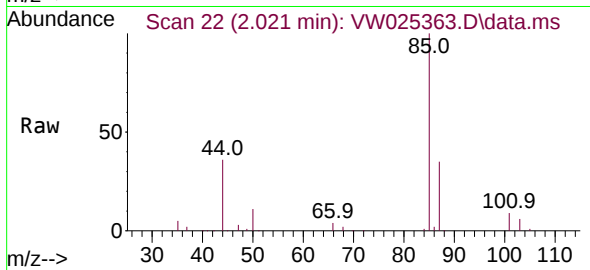




#2
 Dichlorodifluoromethane
 Concen: 18.819 ug/L
 RT: 2.021 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28

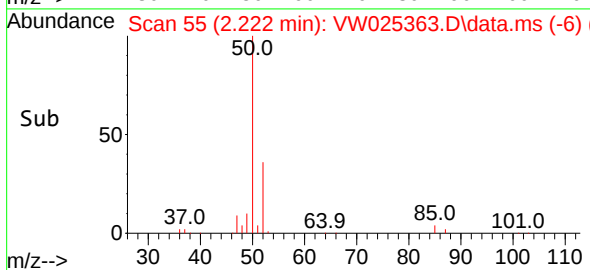
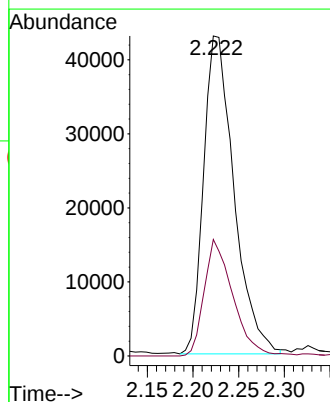
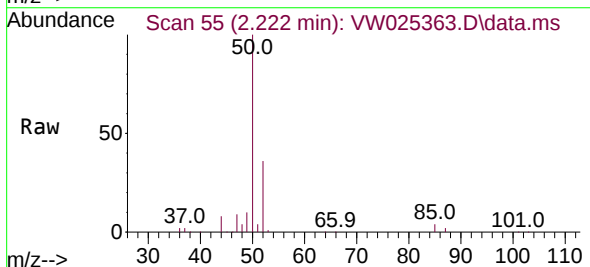
Instrument :
 MSVOA_W
 ClientSampleId :
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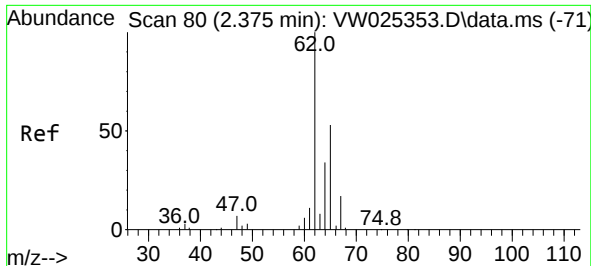
Tgt Ion: 85 Resp: 92332
 Ion Ratio Lower Upper
 85 100
 87 30.9 20.6 30.8#



#3
 Chloromethane
 Concen: 22.573 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28

Tgt Ion: 50 Resp: 99407
 Ion Ratio Lower Upper
 50 100
 52 36.4 22.3 41.3

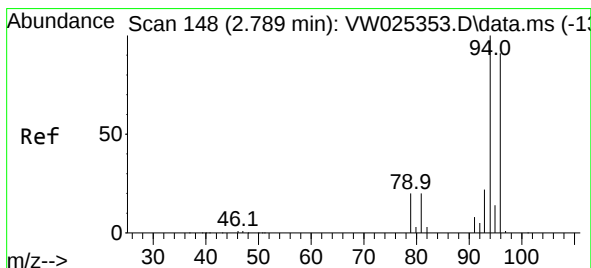
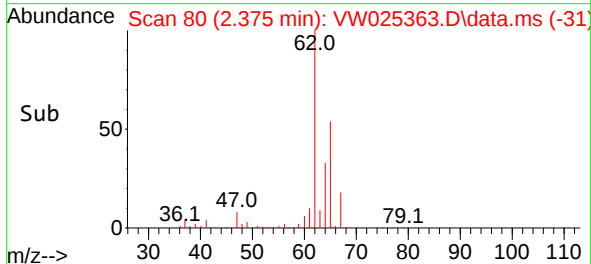
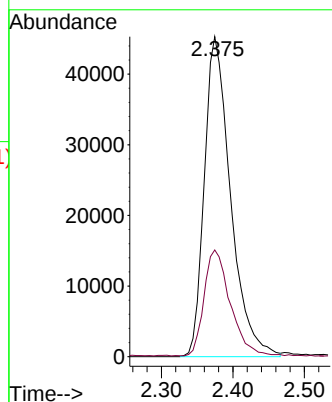
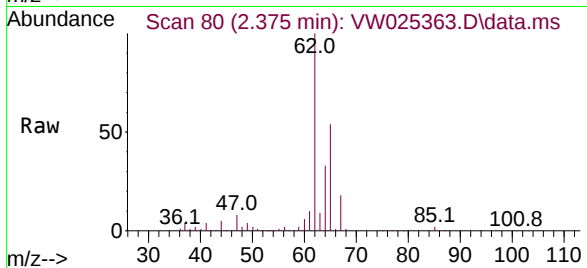




#5
 Vinyl chloride
 Concen: 22.504 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28

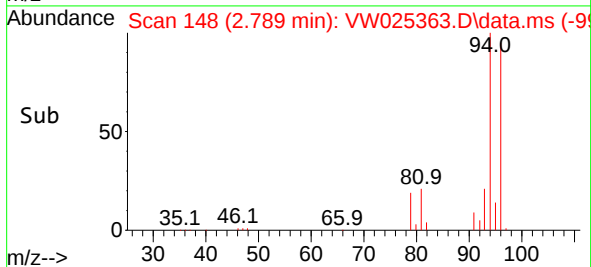
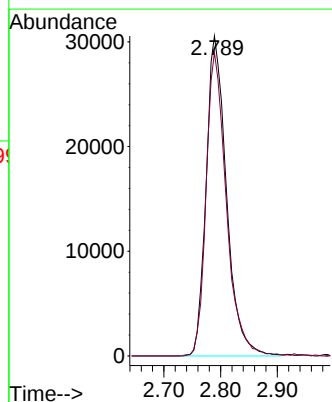
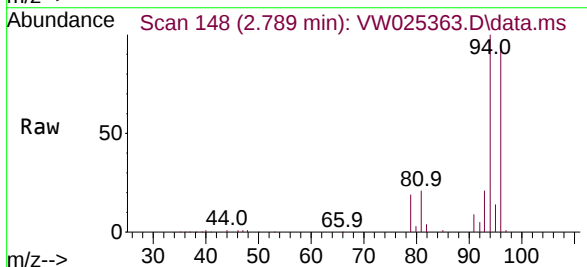
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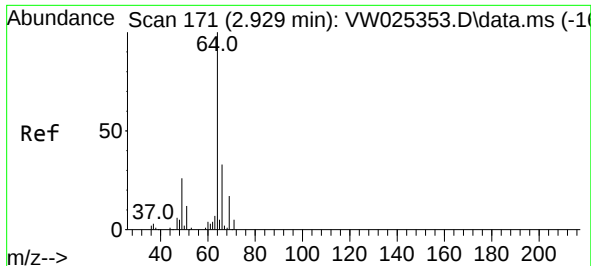
Tgt Ion: 62 Resp: 115376
 Ion Ratio Lower Upper
 62 100
 64 33.4 22.2 41.2



#6
 Bromomethane
 Concen: 23.385 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28

Tgt Ion: 94 Resp: 76127
 Ion Ratio Lower Upper
 94 100
 96 94.8 65.2 121.0

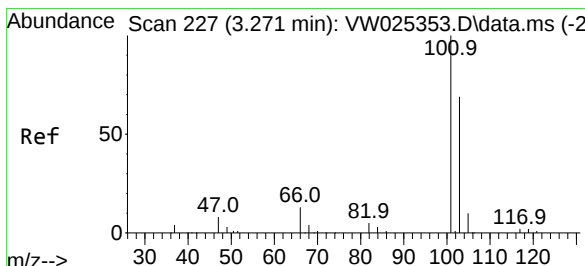
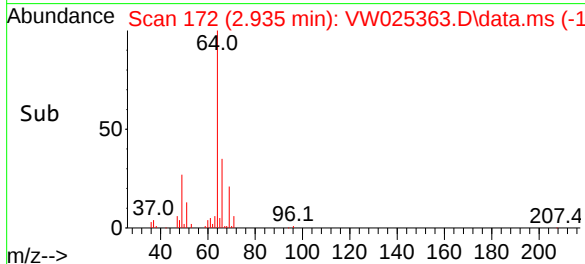
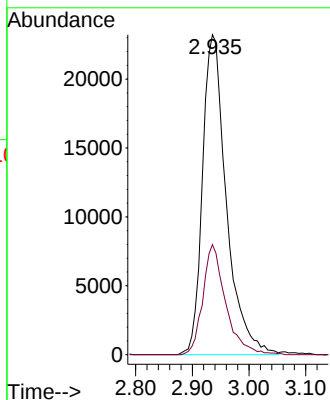
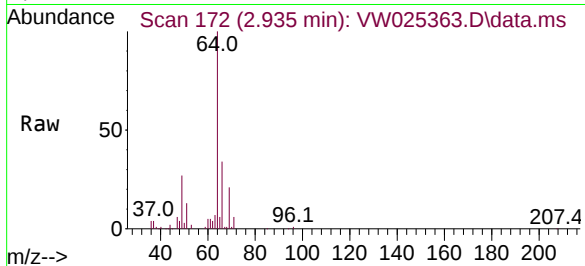




#8
Chloroethane
Concen: 22.657 ug/L
RT: 2.935 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

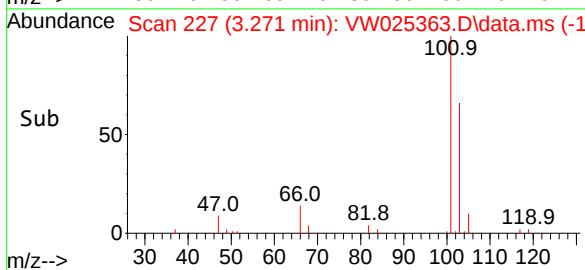
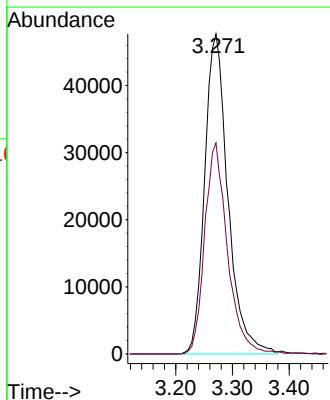
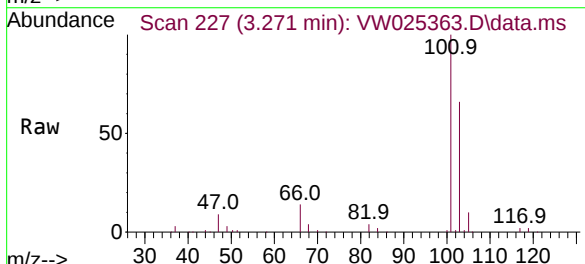
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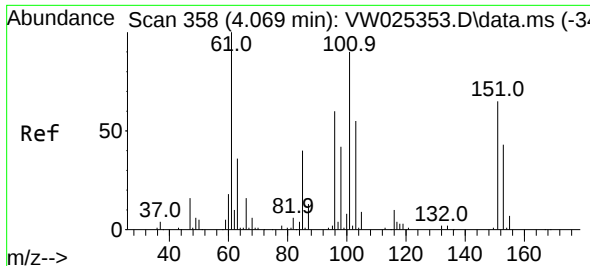
Tgt Ion: 64 Resp: 67973
Ion Ratio Lower Upper
64 100
66 34.4 21.6 40.0



#9
Trichlorofluoromethane
Concen: 21.837 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 101 Resp: 135852
Ion Ratio Lower Upper
101 100
103 64.2 51.4 77.0

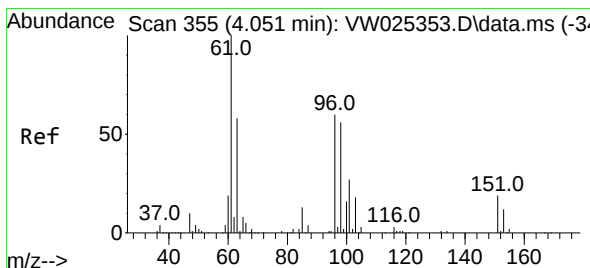
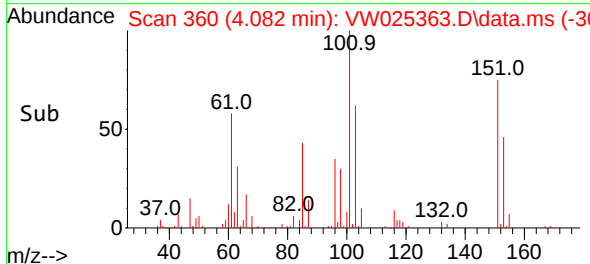
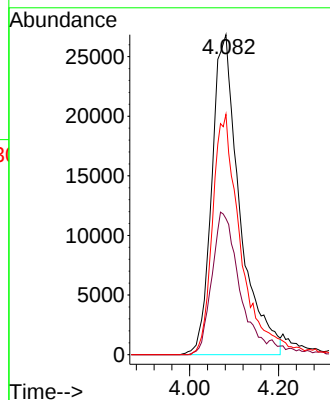
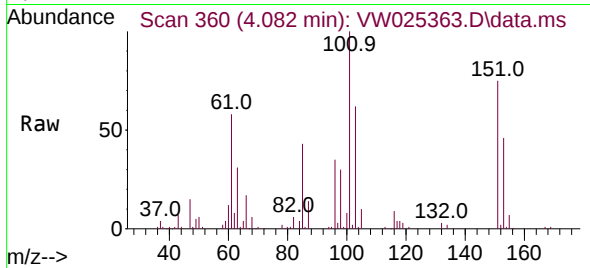




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.121 ug/L
 RT: 4.082 min Scan# 360
 Delta R.T. 0.012 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28

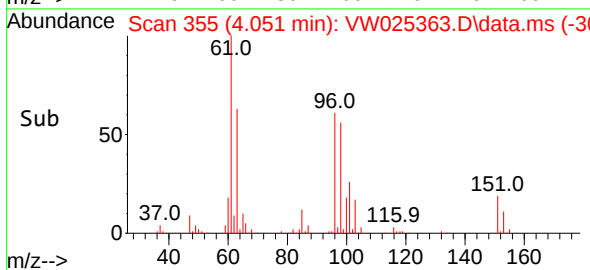
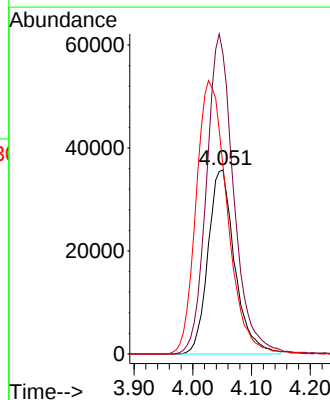
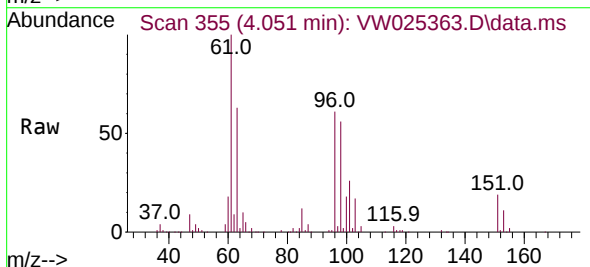
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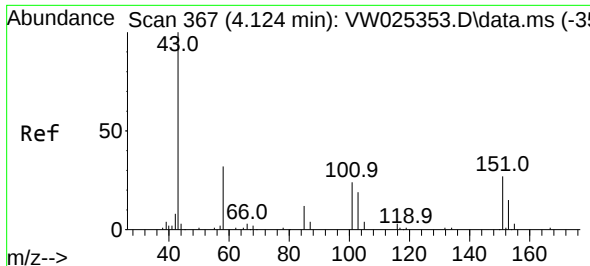
Tgt Ion:101 Resp: 116902
 Ion Ratio Lower Upper
 101 100
 85 43.5 36.3 54.5
 151 75.2 52.2 78.4



#12
 1,1-Dichloroethene
 Concen: 22.376 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. -0.000 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28

Tgt Ion: 96 Resp: 112684
 Ion Ratio Lower Upper
 96 100
 61 163.1 119.3 221.5
 63 102.3 74.5 138.5





#13

Acetone

Concen: 46.945 ug/L

RT: 4.124 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

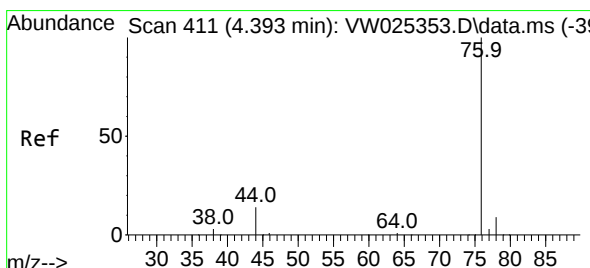
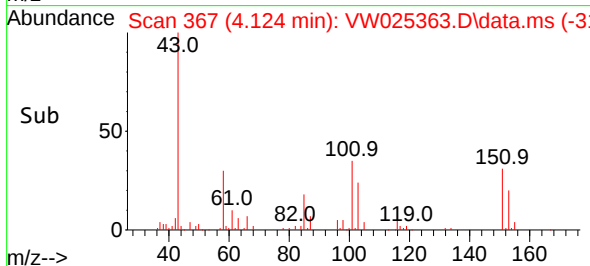
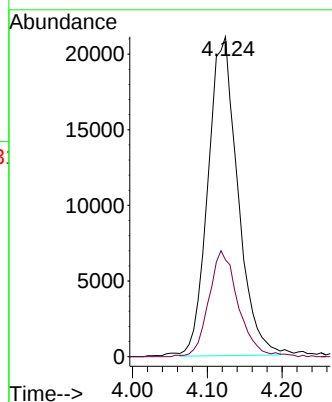
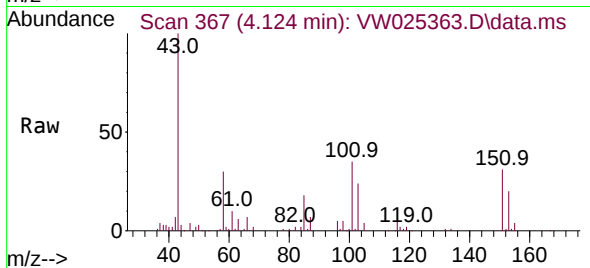
VSTD025543

Tgt Ion: 43 Resp: 58372

Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.6



#14

Carbon disulfide

Concen: 22.978 ug/L

RT: 4.393 min Scan# 411

Delta R.T. -0.000 min

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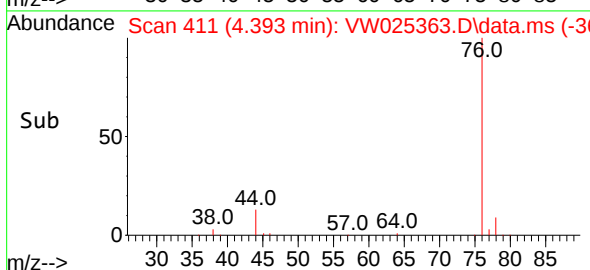
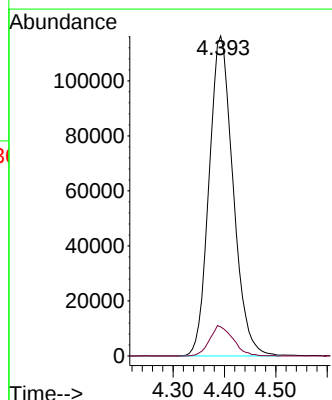
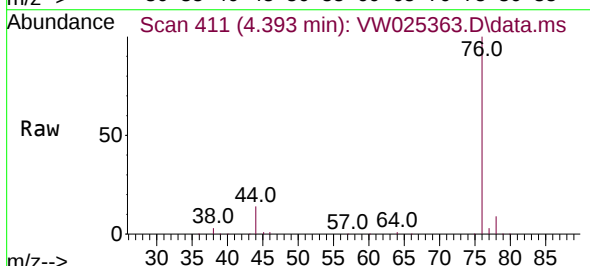
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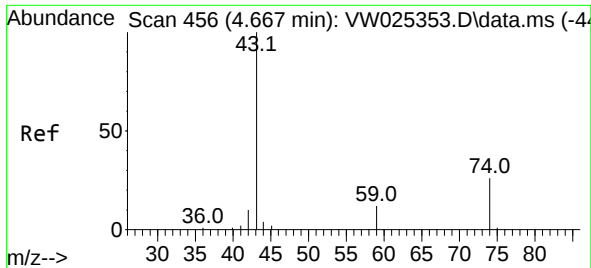
Tgt Ion: 76 Resp: 377447

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

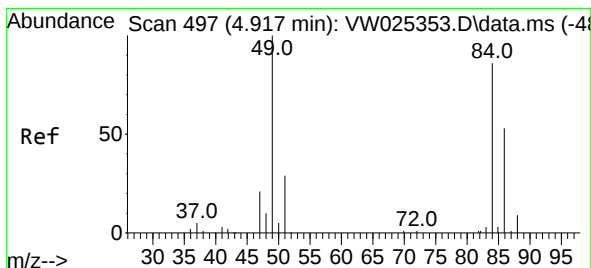
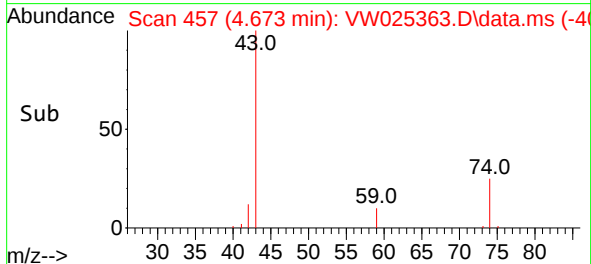
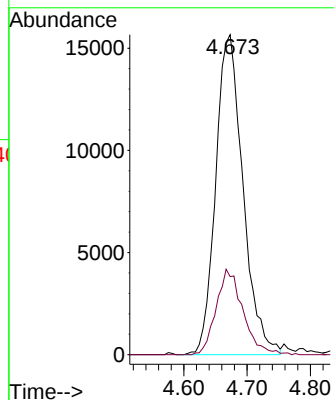
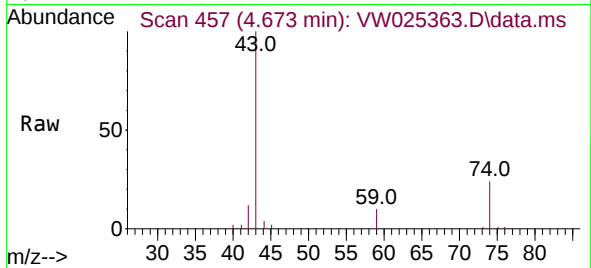




#15
Methyl Acetate
Concen: 23.394 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

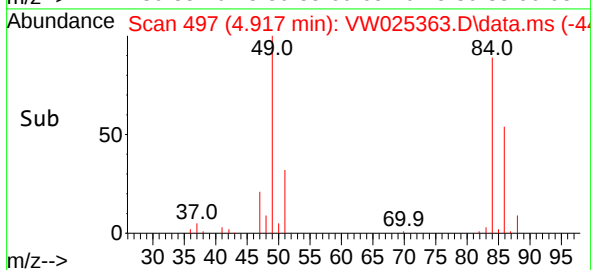
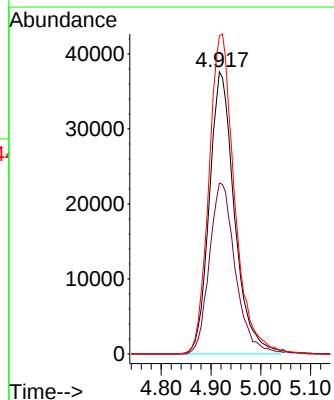
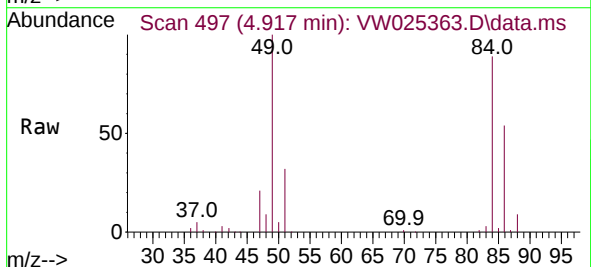
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

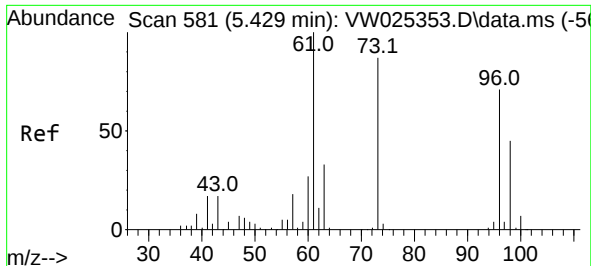
Tgt Ion: 43 Resp: 46866
Ion Ratio Lower Upper
43 100
74 25.9 20.2 30.4



#16
Methylene chloride
Concen: 23.840 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 84 Resp: 131754
Ion Ratio Lower Upper
84 100
86 60.6 41.8 77.6
49 112.8 80.3 149.1

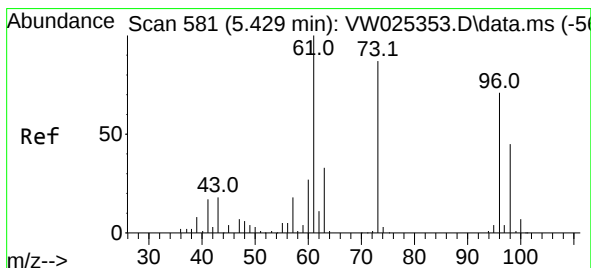
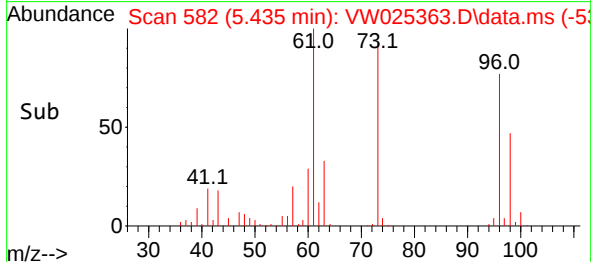
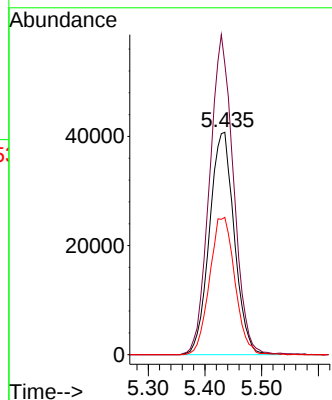
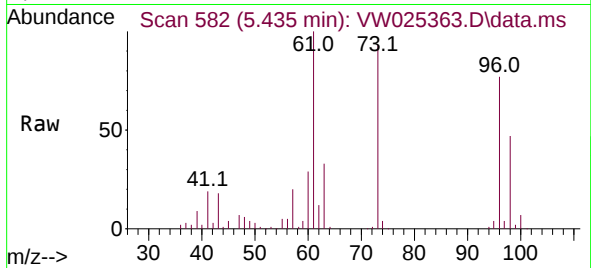




#17
trans-1,2-Dichloroethene
Concen: 23.501 ug/L
RT: 5.435 min Scan# 582
Delta R.T. 0.006 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

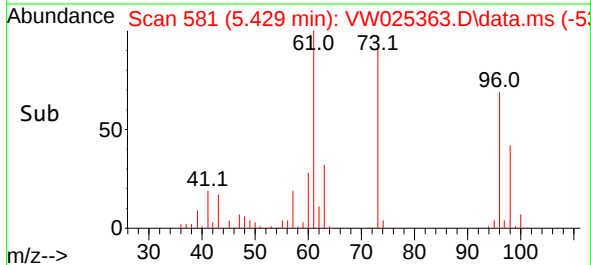
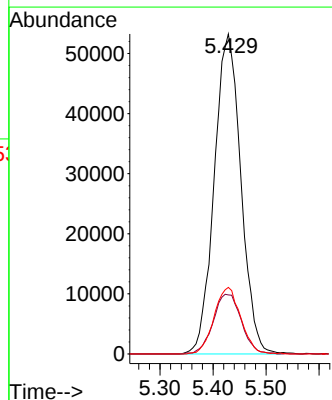
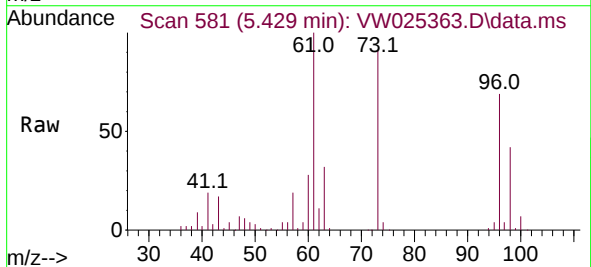
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

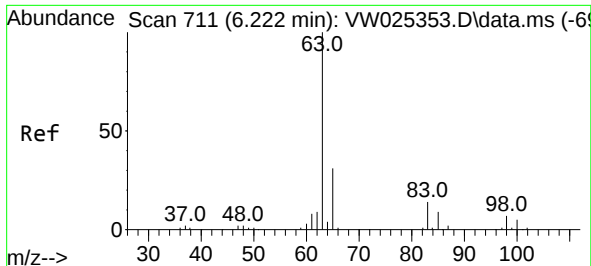
Tgt Ion: 96 Resp: 124070
Ion Ratio Lower Upper
96 100
61 130.7 94.8 176.0
98 61.7 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 24.942 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 73 Resp: 185978
Ion Ratio Lower Upper
73 100
43 19.2 16.1 24.1
57 20.7 16.6 25.0





#19

1,1-Dichloroethane

Concen: 23.145 ug/L

RT: 6.215 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

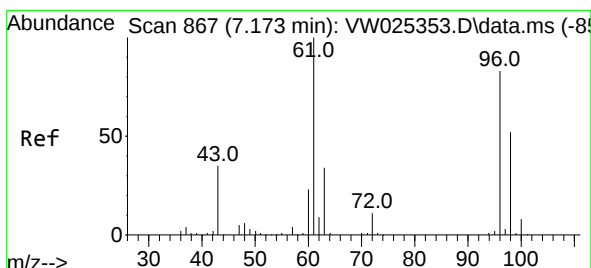
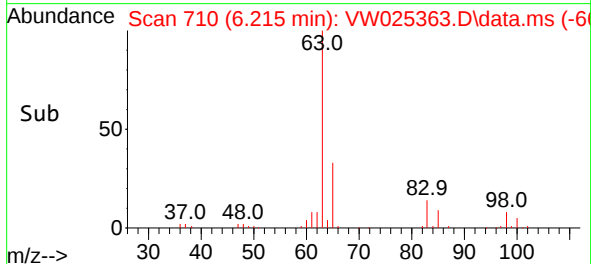
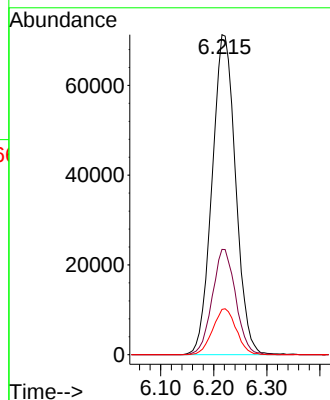
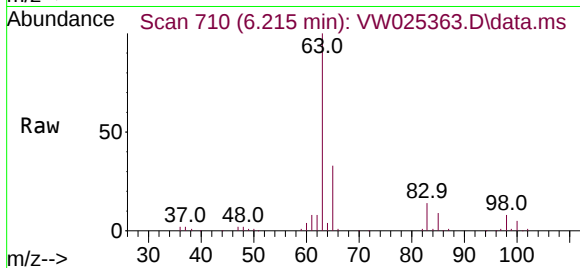
Tgt Ion: 63 Resp: 219565

Ion Ratio Lower Upper

63 100

65 32.9 22.1 41.1

83 14.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 24.041 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

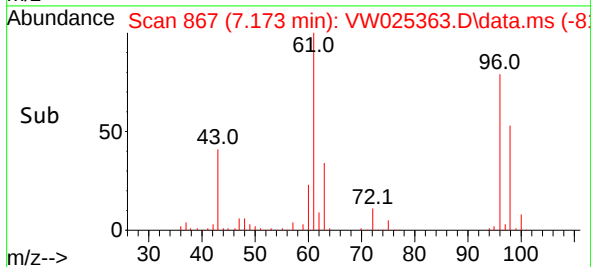
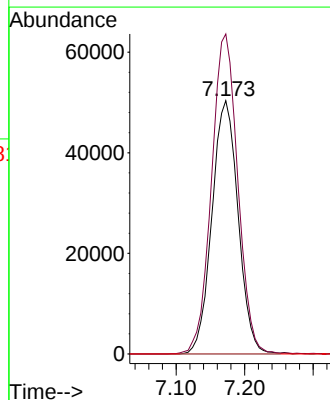
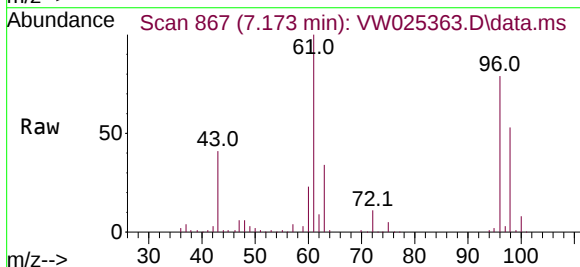
Tgt Ion: 96 Resp: 133358

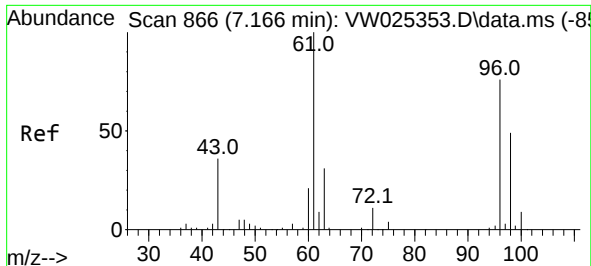
Ion Ratio Lower Upper

96 100

61 126.4 90.9 168.9

68 0.0 0.0 0.0

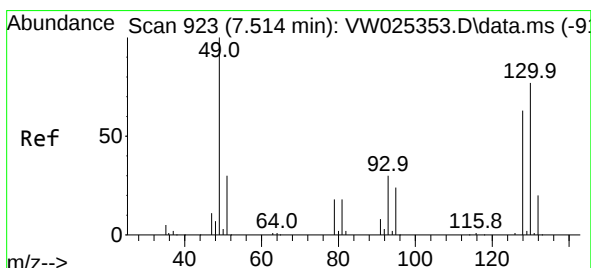
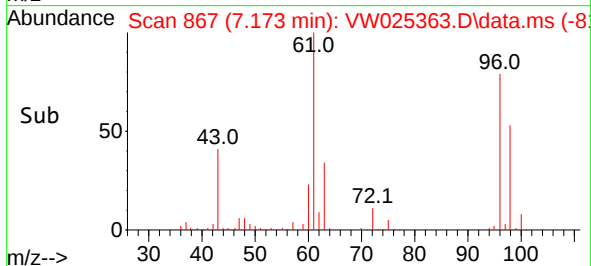
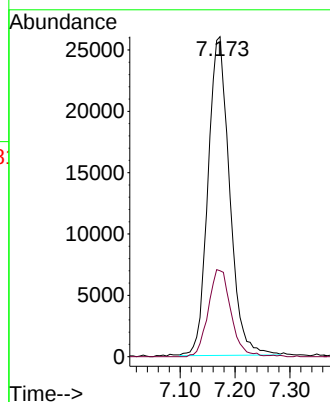
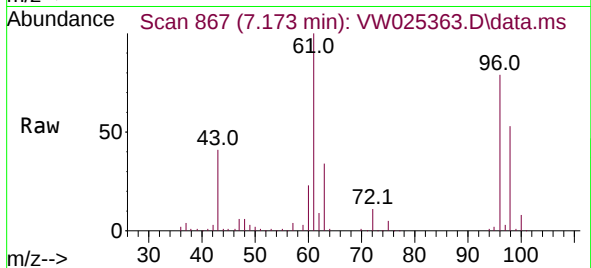




#22
2-Butanone
Concen: 49.249 ug/L
RT: 7.173 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

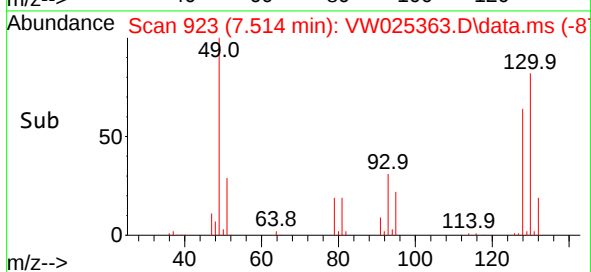
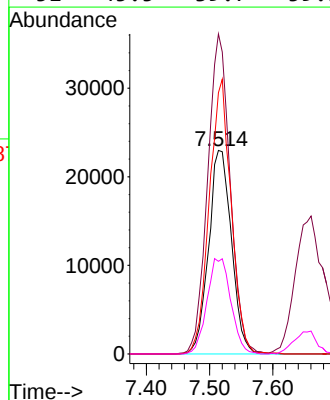
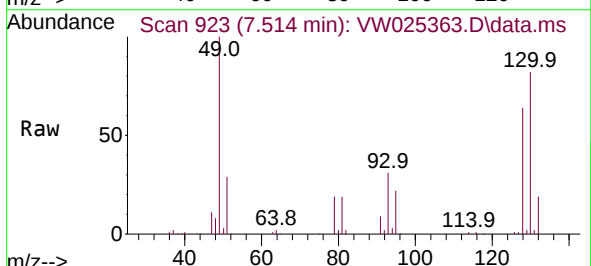
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

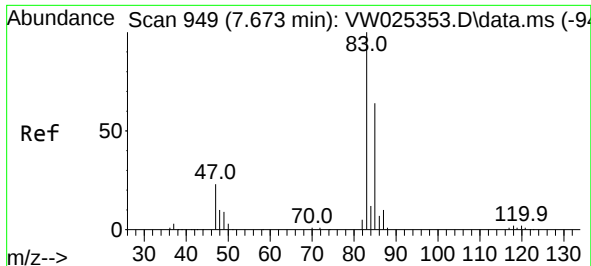
Tgt Ion: 43 Resp: 71031
Ion Ratio Lower Upper
43 100
72 28.3 15.0 45.1



#23
Bromochloromethane
Concen: 24.378 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 128 Resp: 57706
Ion Ratio Lower Upper
128 100
49 157.2 102.4 190.2
130 128.4 90.1 167.3
51 45.5 39.7 59.5





#25

Chloroform

Concen: 23.936 ug/L

RT: 7.679 min Scan# 949

Delta R.T. 0.006 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

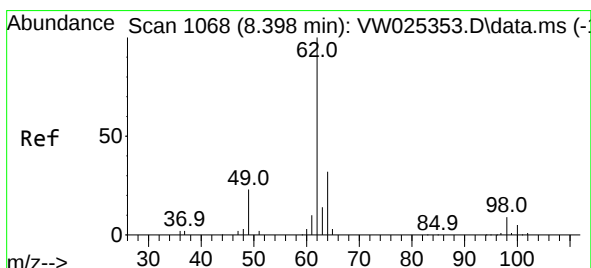
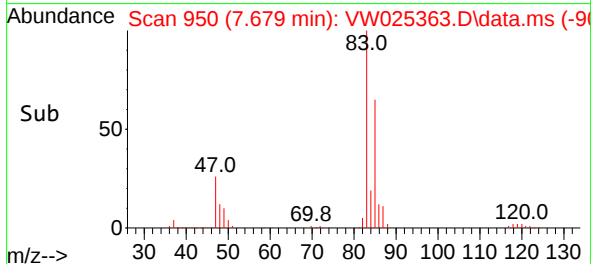
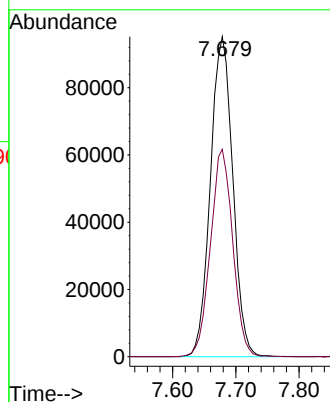
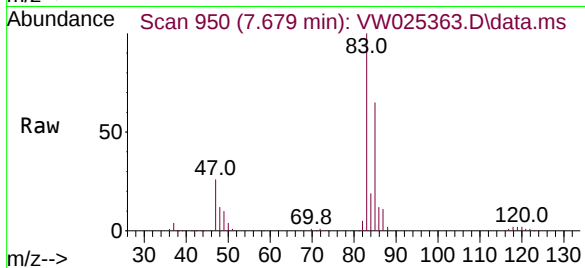
VSTD025543

Tgt Ion: 83 Resp: 233672

Ion Ratio Lower Upper

83 100

85 64.8 45.9 85.3



#27

1,2-Dichloroethane

Concen: 24.219 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW025363.D

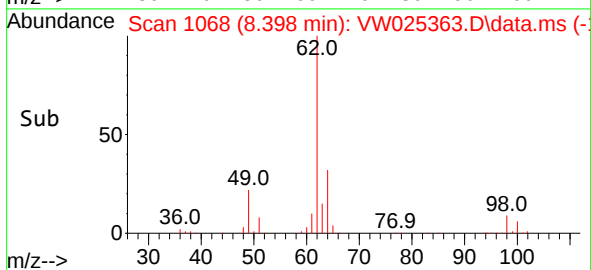
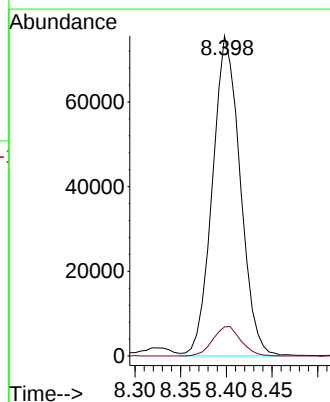
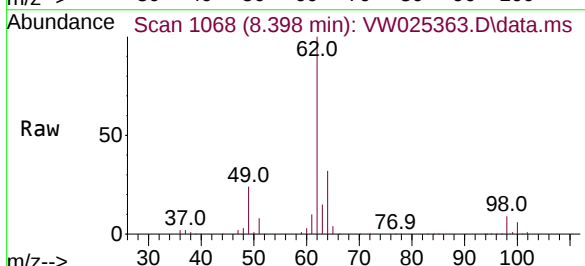
Acq: 22 Feb 2023 16:28

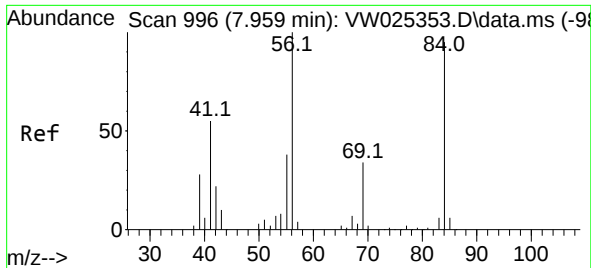
Tgt Ion: 62 Resp: 159482

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.0

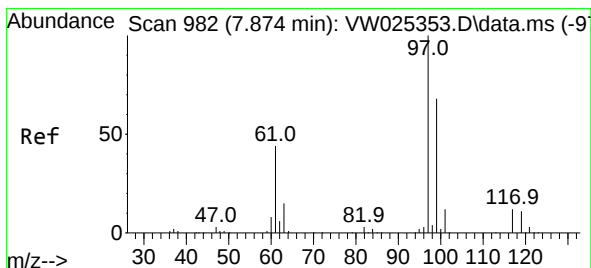
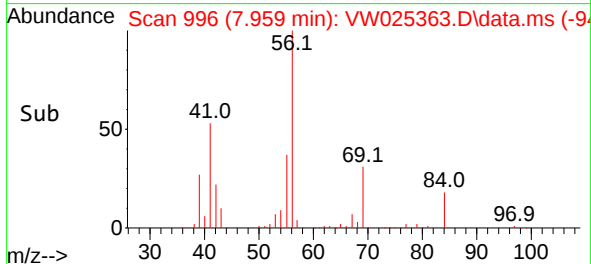
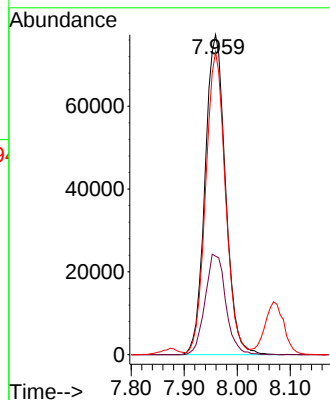
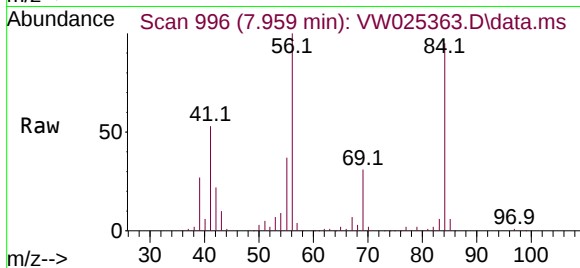




#29
Cyclohexane
Concen: 23.802 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

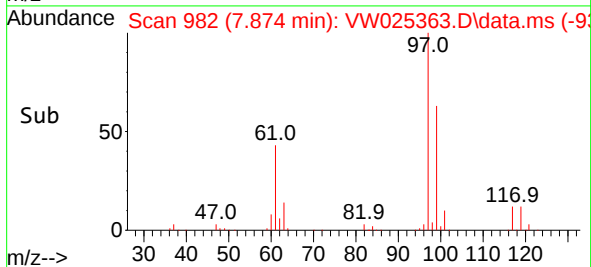
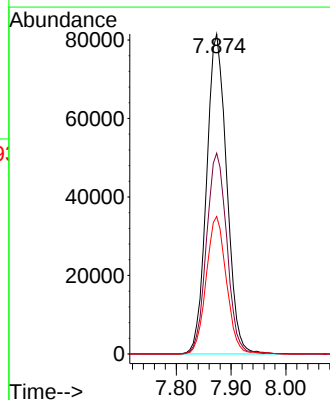
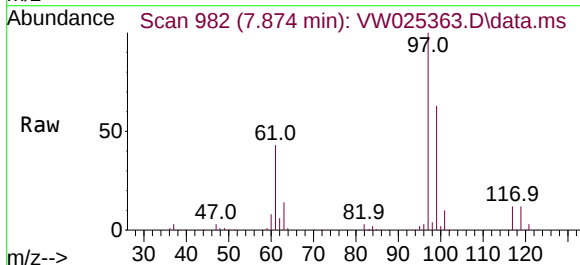
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

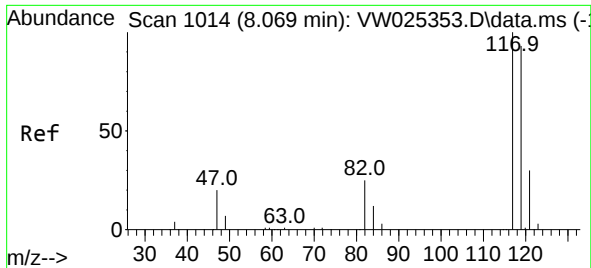
Tgt Ion: 56 Resp: 206508
Ion Ratio Lower Upper
56 100
69 31.9 25.9 38.9
84 91.6 74.6 111.8



#30
1,1,1-Trichloroethane
Concen: 23.254 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 97 Resp: 207623
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 43.0 35.1 52.7

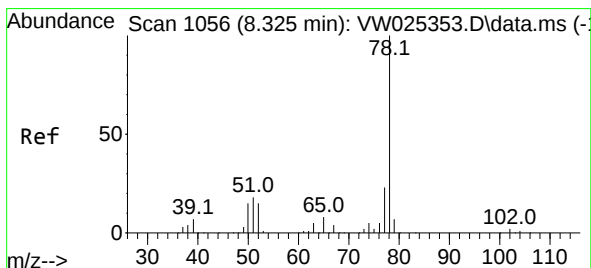
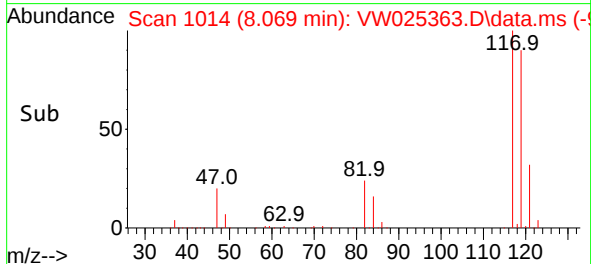
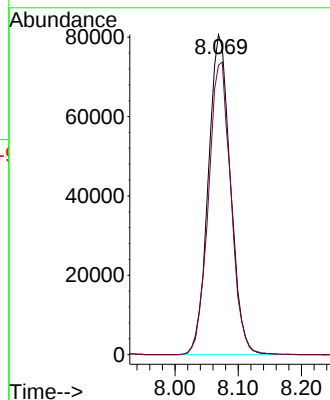
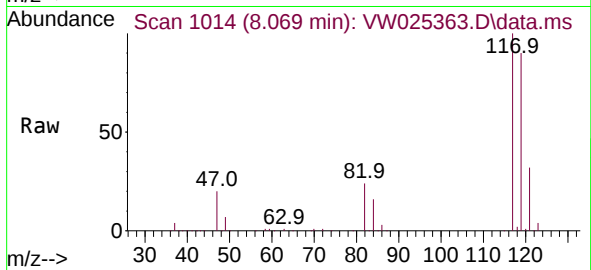




#31
Carbon tetrachloride
Concen: 23.382 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

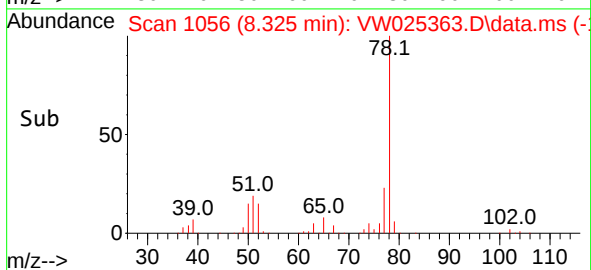
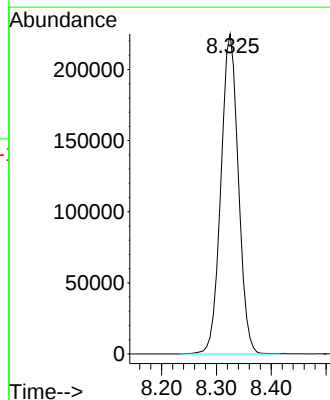
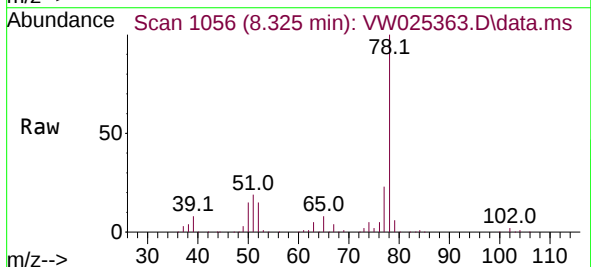
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

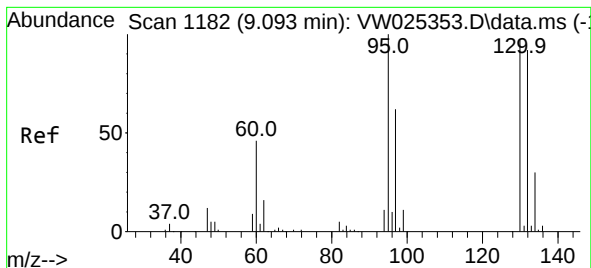
Tgt Ion:117 Resp: 196491
Ion Ratio Lower Upper
117 100
119 92.4 76.3 114.5



#33
Benzene
Concen: 23.689 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 78 Resp: 499233





#34

Trichloroethene

Concen: 23.211 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

Tgt Ion: 95 Resp: 136606

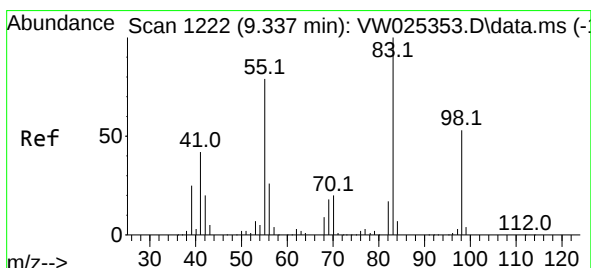
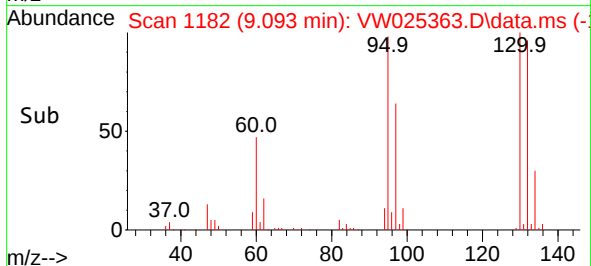
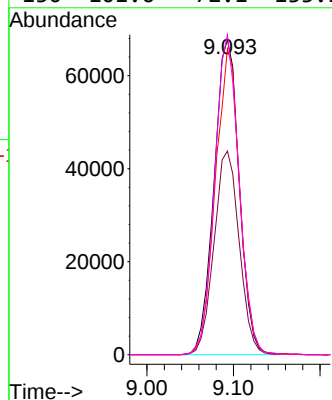
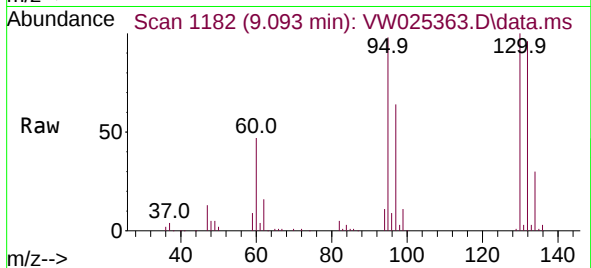
Ion Ratio Lower Upper

95 100

97 64.7 46.3 85.9

132 97.1 69.3 128.7

130 101.6 72.1 133.9



#35

Methylcyclohexane

Concen: 24.023 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

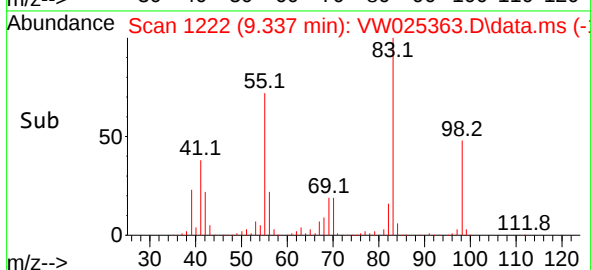
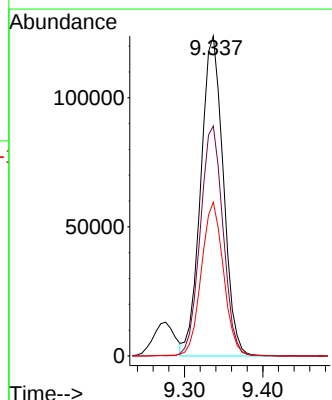
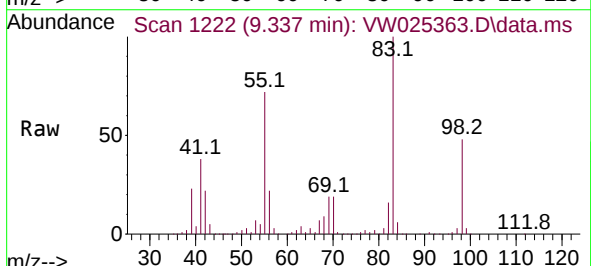
Tgt Ion: 83 Resp: 247766

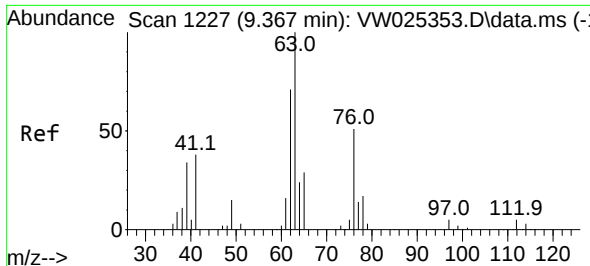
Ion Ratio Lower Upper

83 100

55 72.2 58.4 87.6

98 47.1 39.1 58.7





#37

1,2-Dichloropropane

Concen: 24.242 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

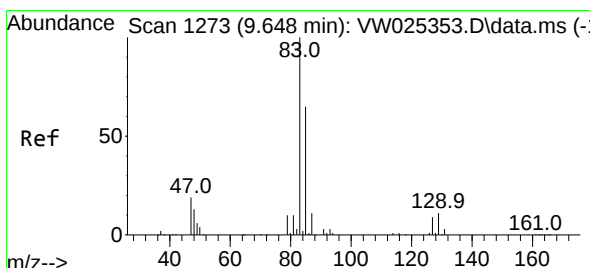
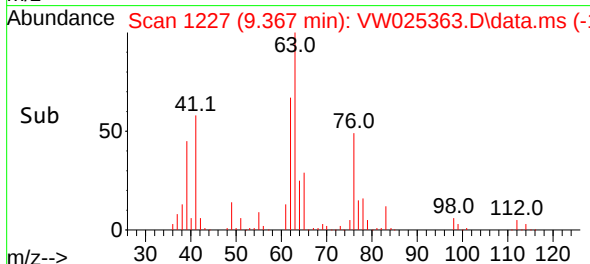
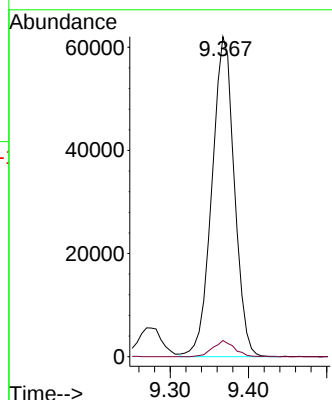
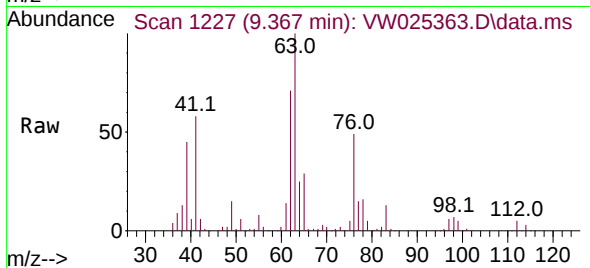
VSTD025543

Tgt Ion: 63 Resp: 123579

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#38

Bromodichloromethane

Concen: 23.994 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.006 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

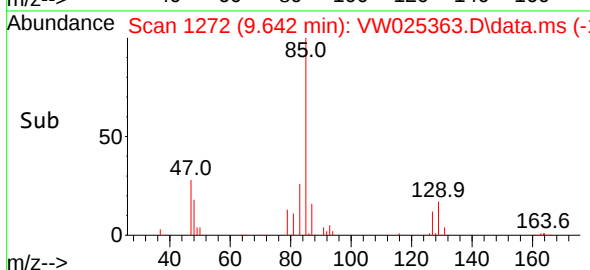
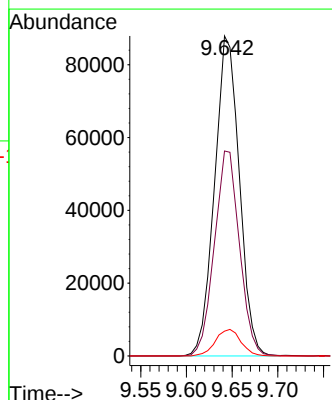
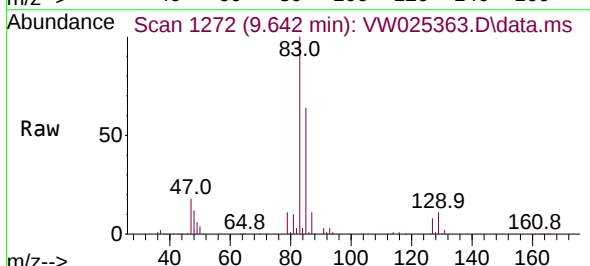
Tgt Ion: 83 Resp: 165909

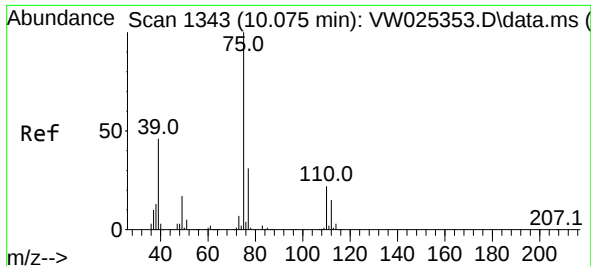
Ion Ratio Lower Upper

83 100

85 64.0 46.0 85.4

127 7.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 24.600 ug/L

RT: 10.074 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

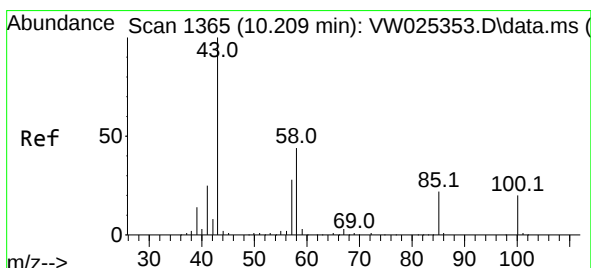
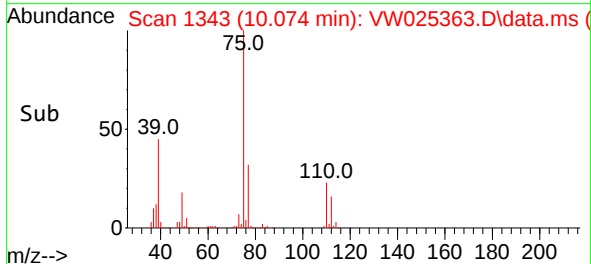
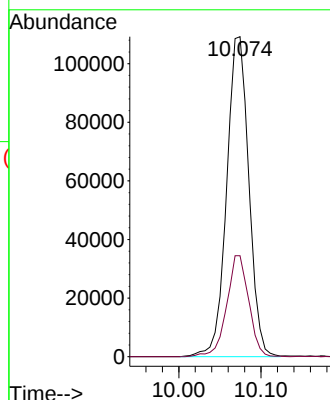
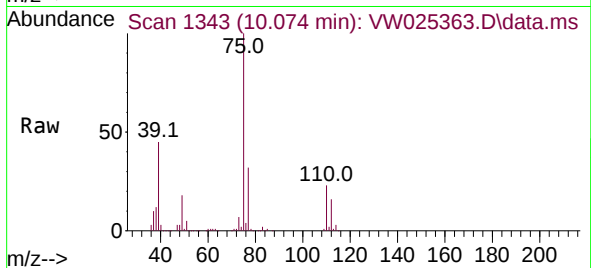
VSTD025543

Tgt Ion: 75 Resp: 205172

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 49.954 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

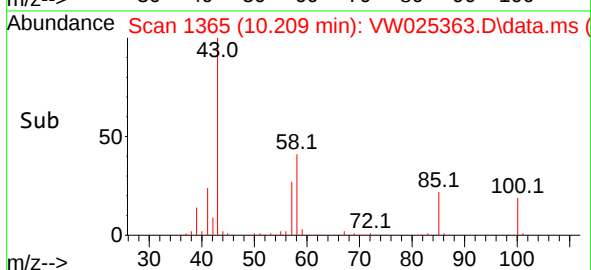
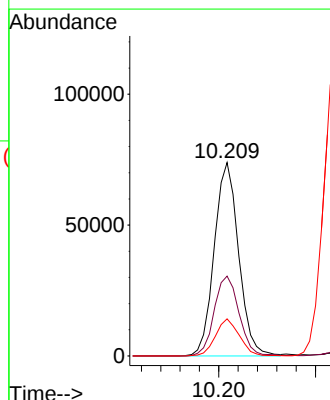
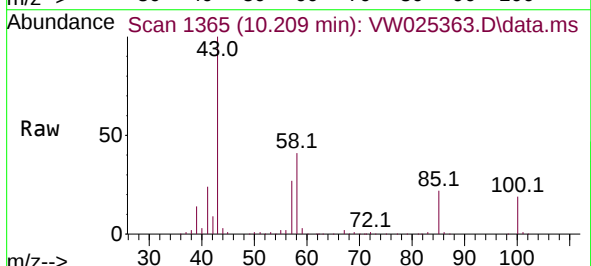
Tgt Ion: 43 Resp: 129550

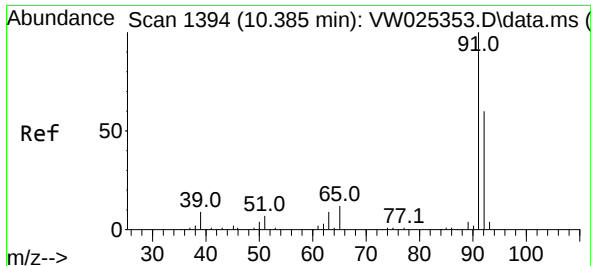
Ion Ratio Lower Upper

43 100

58 41.8 33.9 50.9

100 18.8 14.8 22.2

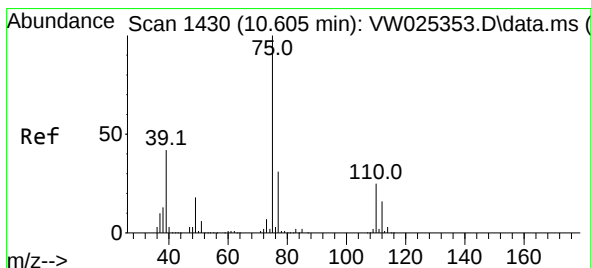
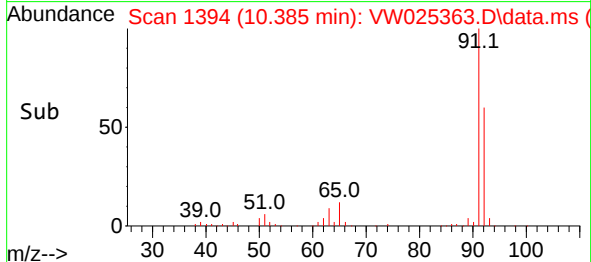
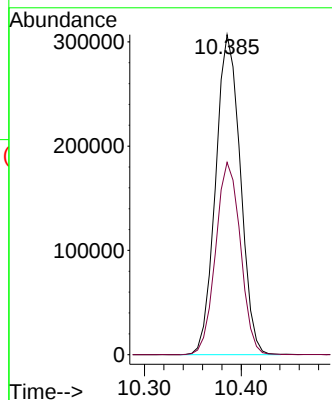
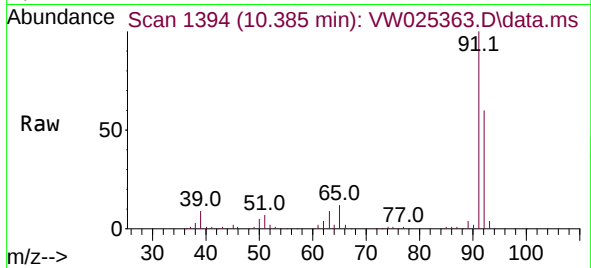




#42
Toluene
Concen: 23.982 ug/L
RT: 10.385 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

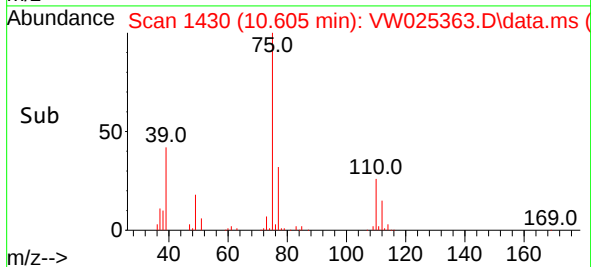
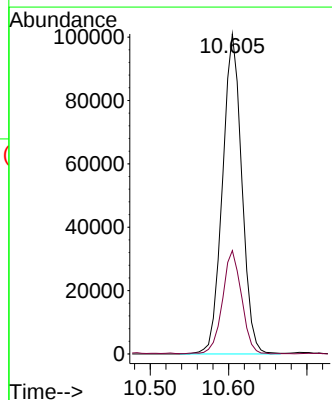
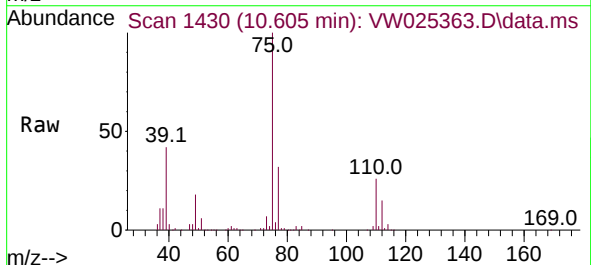
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

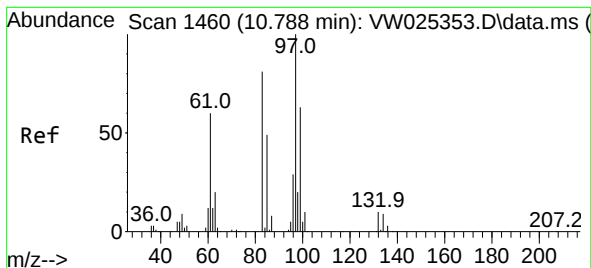
Tgt Ion: 91 Resp: 544112
Ion Ratio Lower Upper
91 100
92 60.1 40.9 76.0



#44
trans-1,3-Dichloropropene
Concen: 24.719 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 75 Resp: 173311
Ion Ratio Lower Upper
75 100
77 32.3 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 24.775 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

Tgt Ion: 97 Resp: 94202

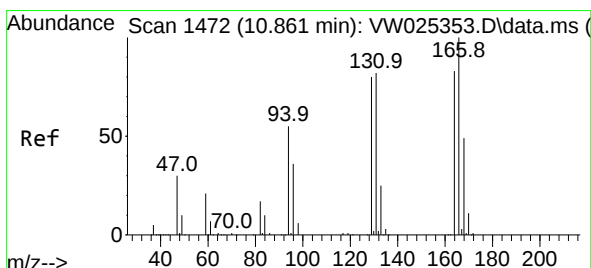
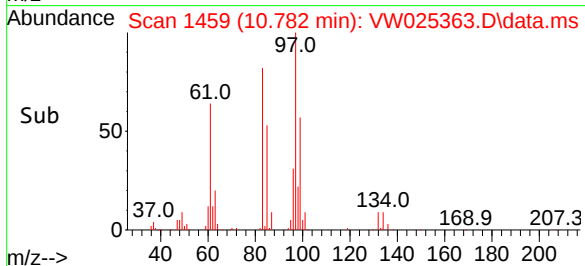
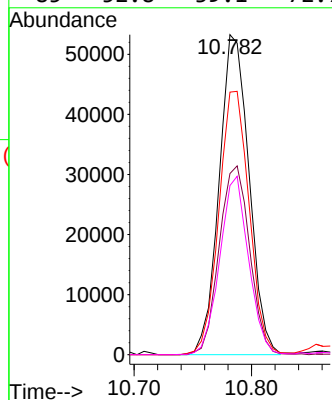
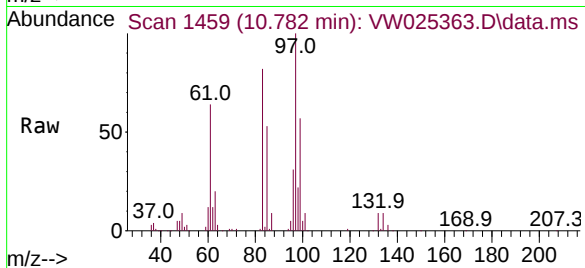
Ion Ratio Lower Upper

97 100

99 56.6 42.6 79.0

83 82.1 59.3 110.1

85 52.8 39.1 72.7



#46

Tetrachloroethene

Concen: 22.760 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Tgt Ion:164 Resp: 101154

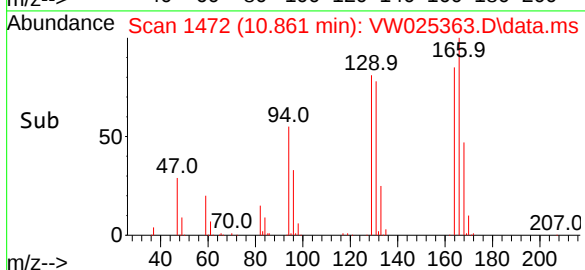
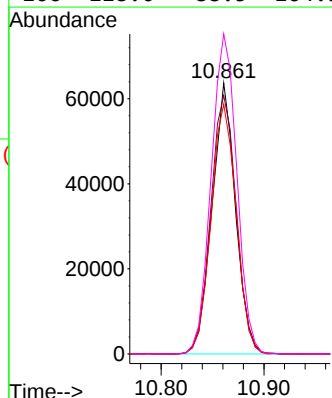
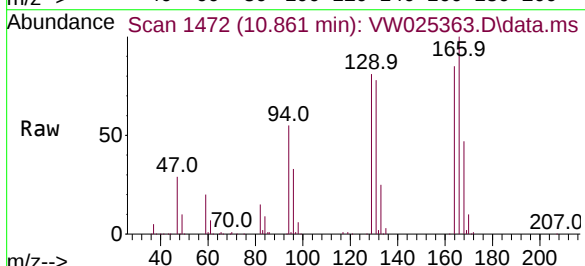
Ion Ratio Lower Upper

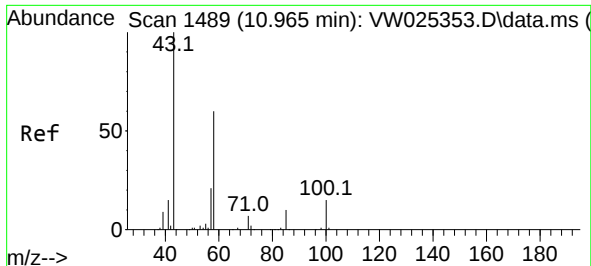
164 100

129 95.3 69.6 129.2

131 92.1 67.4 125.2

166 118.0 88.5 164.3

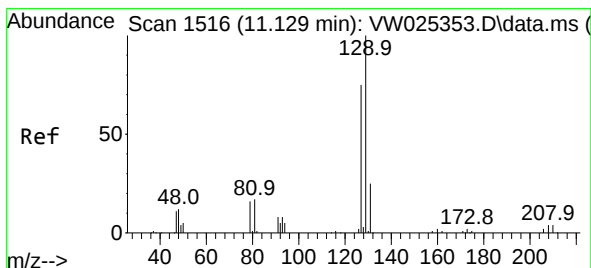
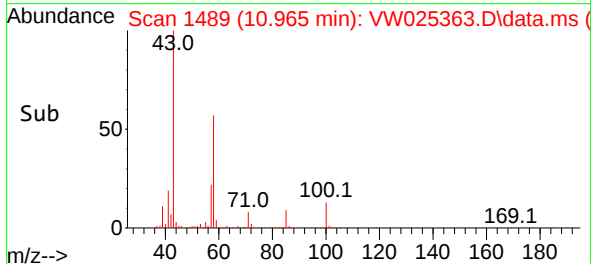
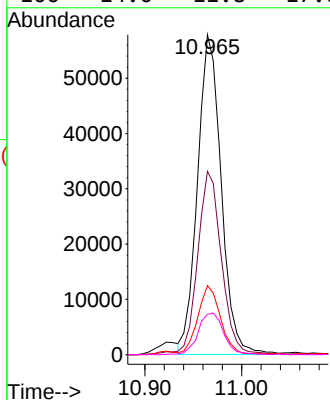
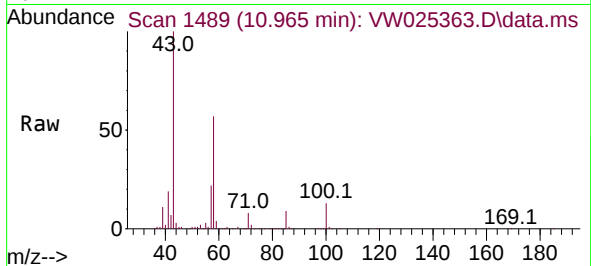




#48
2-Hexanone
Concen: 51.065 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

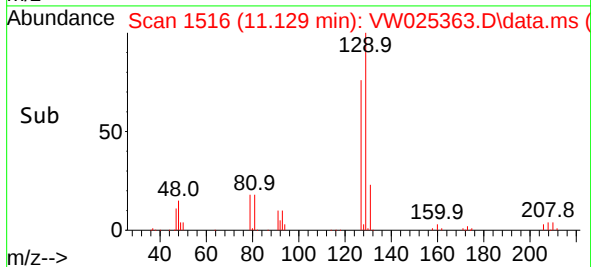
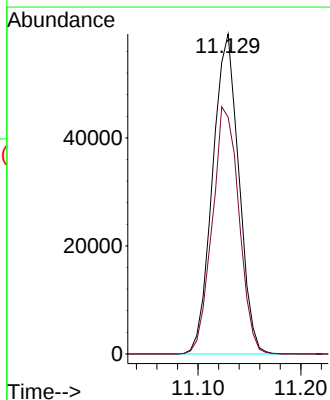
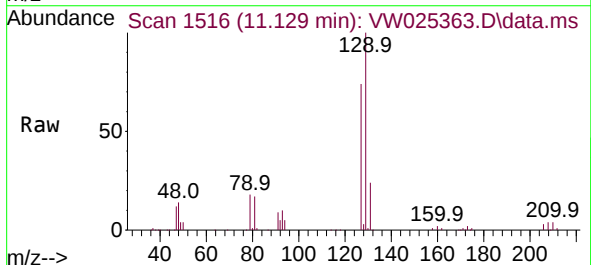
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

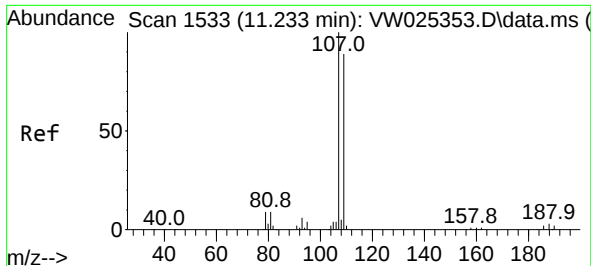
Tgt Ion: 43	Resp: 98843
Ion Ratio	Lower Upper
43 100	
58 57.2	47.0 70.4
57 20.7	17.0 25.4
100 14.0	11.8 17.6



#49
Dibromochloromethane
Concen: 23.905 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion:129	Resp: 104993		
Ion Ratio	Lower	Upper	
129 100			
127 74.0	55.3	102.7	





#50

1,2-Dibromoethane

Concen: 24.538 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

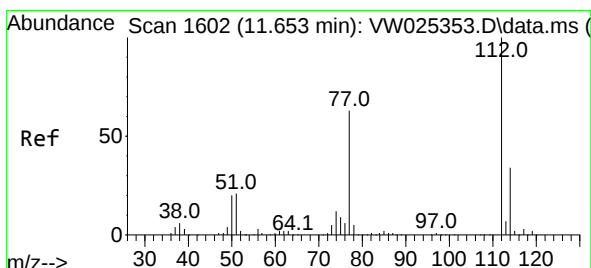
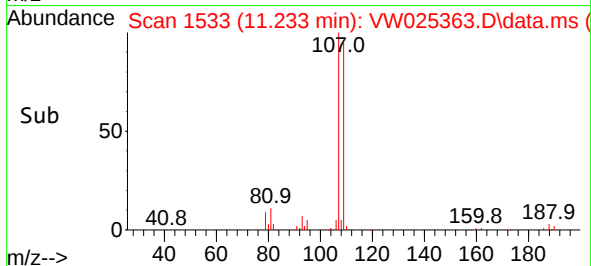
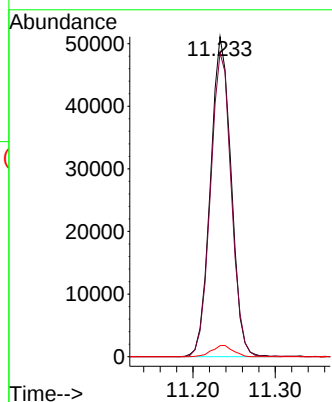
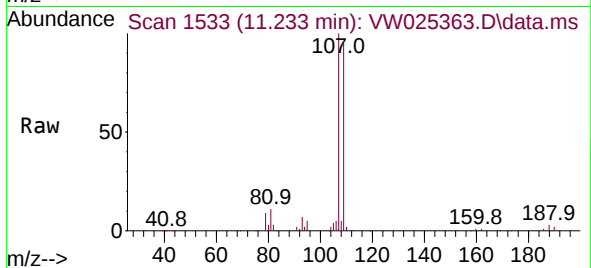
Tgt Ion:107 Resp: 89444

Ion Ratio Lower Upper

107 100

109 95.0 65.9 122.5

188 3.4 2.9 4.3



#51

Chlorobenzene

Concen: 23.798 ug/L

RT: 11.653 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

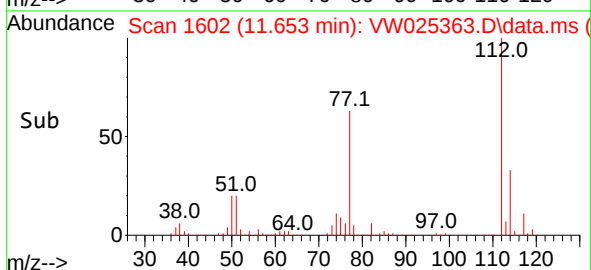
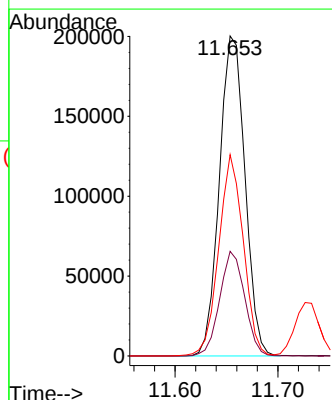
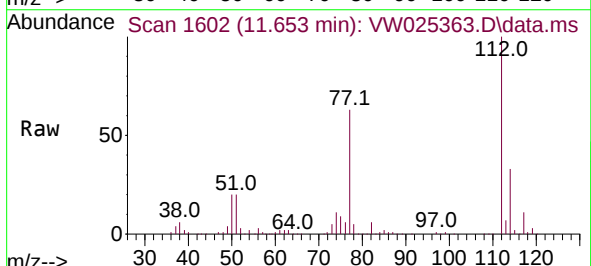
Tgt Ion:112 Resp: 346747

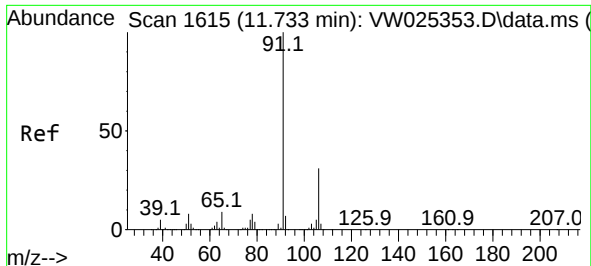
Ion Ratio Lower Upper

112 100

114 32.7 22.2 41.2

77 62.9 48.2 72.2

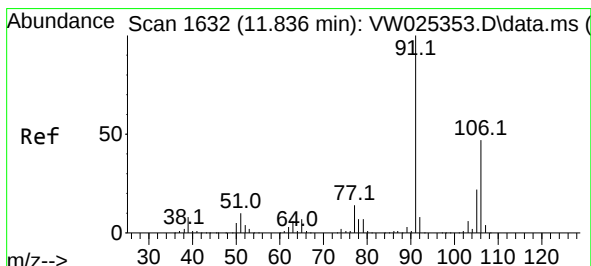
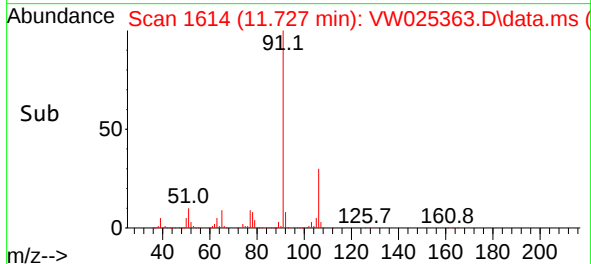
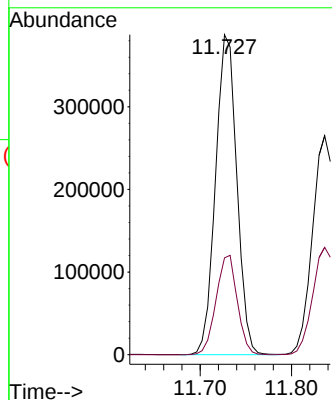
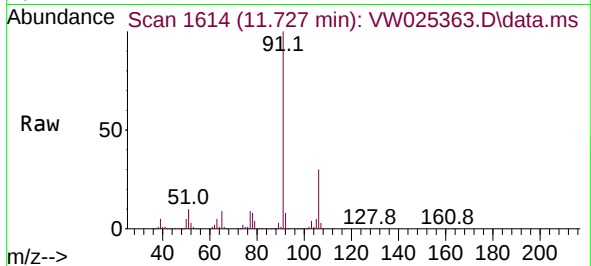




#52
Ethylbenzene
Concen: 23.853 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.006 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

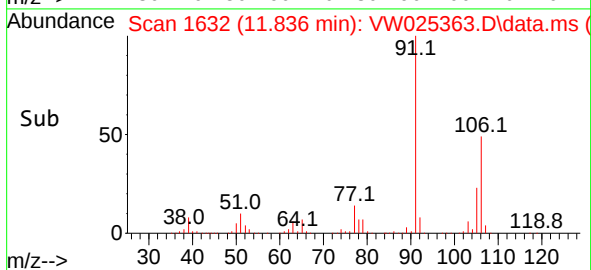
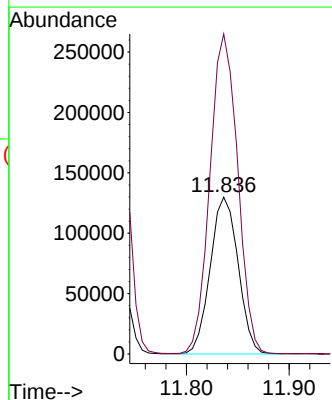
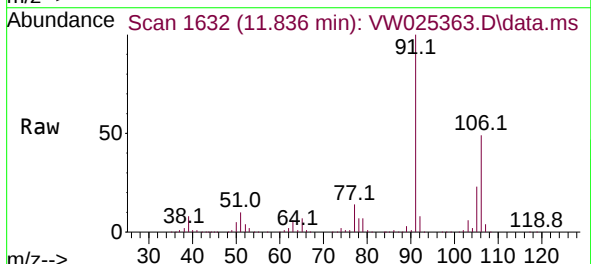
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

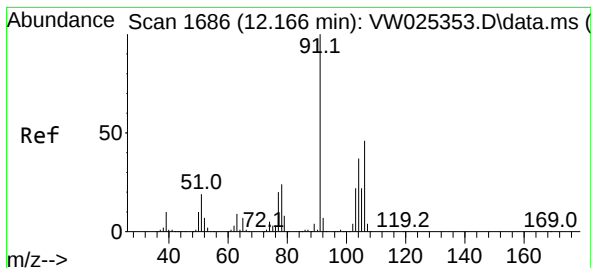
Tgt Ion: 91 Resp: 627125
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.6



#53
m,p-Xylene
Concen: 24.494 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 106 Resp: 244681
Ion Ratio Lower Upper
106 100
91 204.0 144.1 267.7





#54

o-Xylene

Concen: 24.529 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

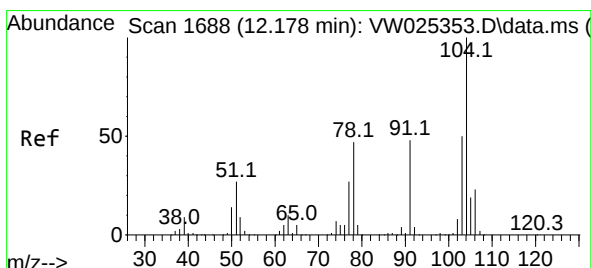
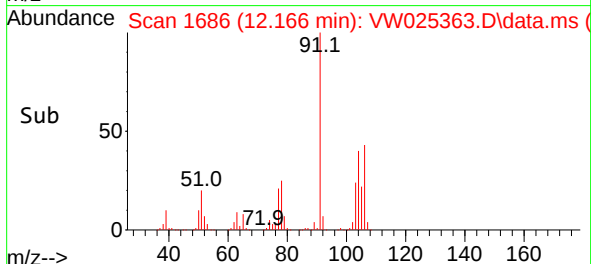
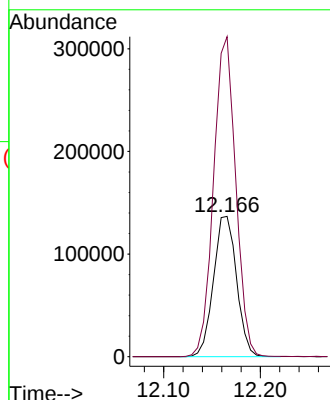
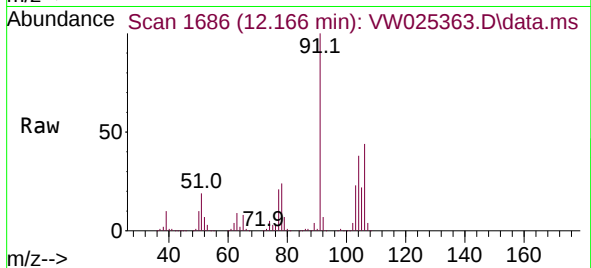
VSTD025543

Tgt Ion:106 Resp: 226528

Ion Ratio Lower Upper

106 100

91 228.1 157.1 291.7



#55

Styrene

Concen: 24.654 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025363.D

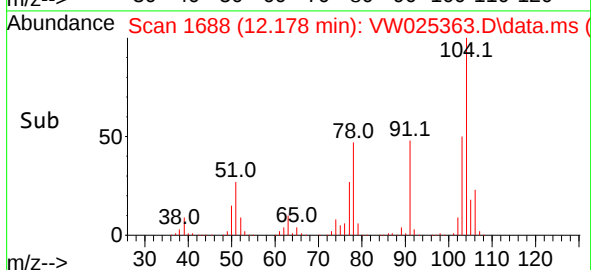
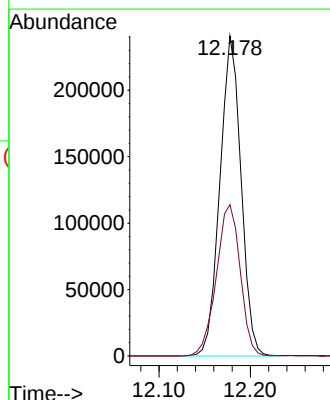
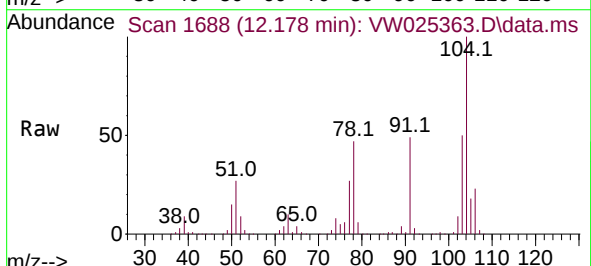
Acq: 22 Feb 2023 16:28

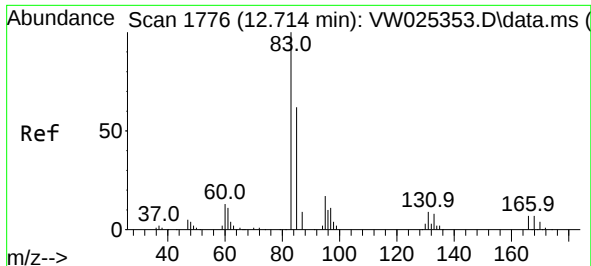
Tgt Ion:104 Resp: 387202

Ion Ratio Lower Upper

104 100

78 47.3 36.6 68.0





#57

1,1,2,2-Tetrachloroethane

Concen: 24.694 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

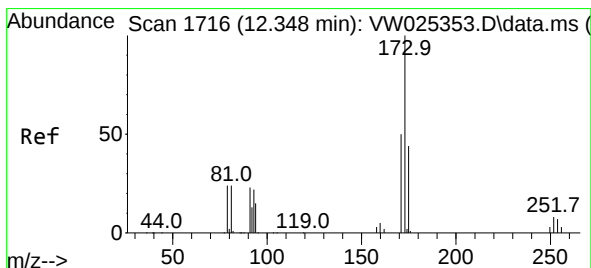
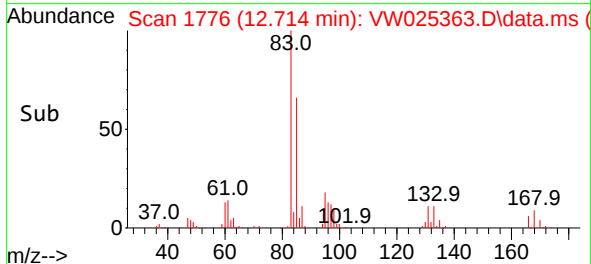
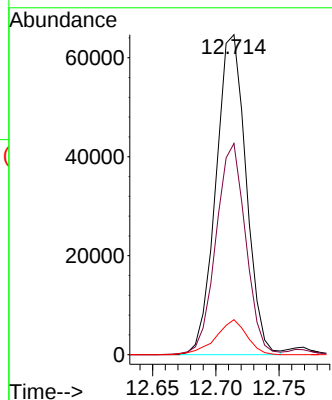
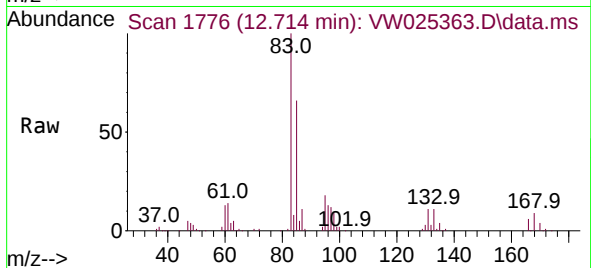
Tgt Ion: 83 Resp: 107189

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.6

131 11.0 8.2 12.2



#59

Bromoform

Concen: 22.583 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

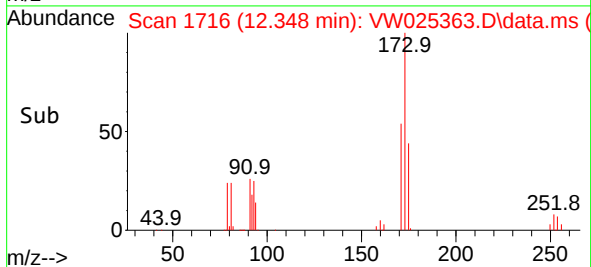
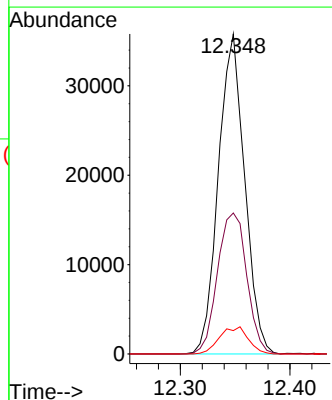
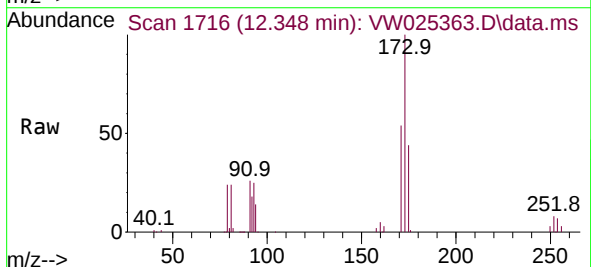
Tgt Ion: 173 Resp: 59676

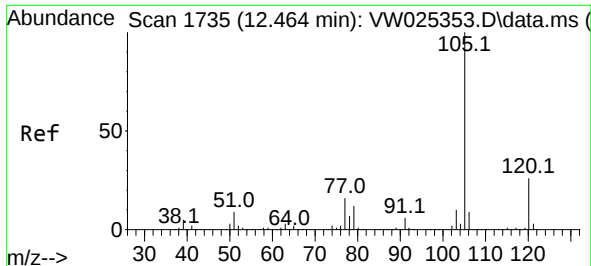
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

254 9.3 7.3 10.9

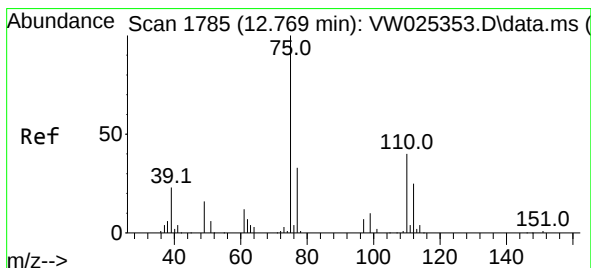
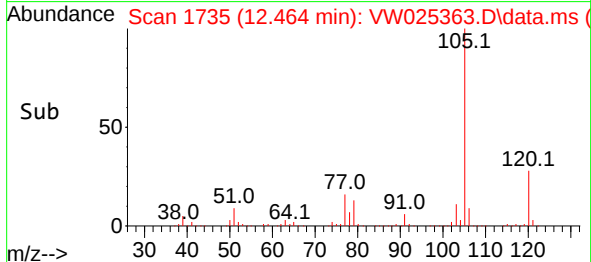
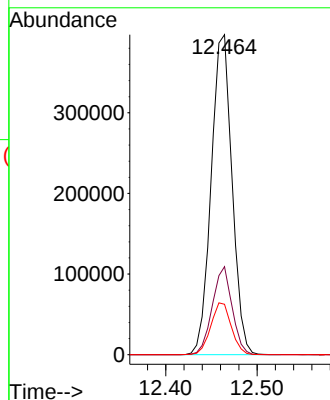
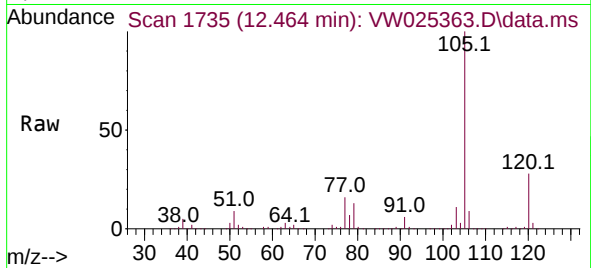




#60
Isopropylbenzene
Concen: 21.770 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

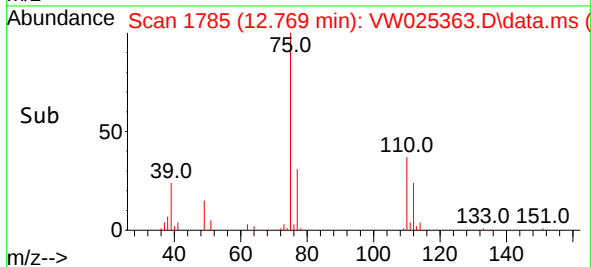
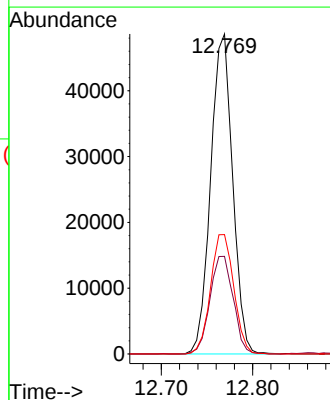
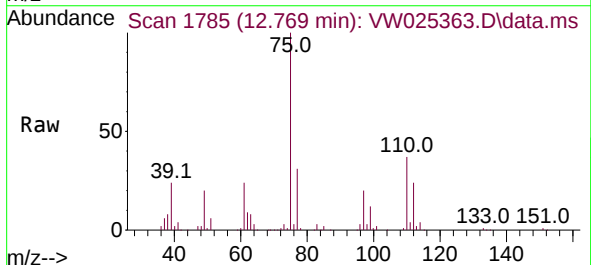
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

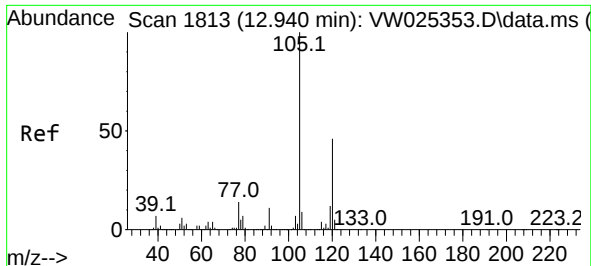
Tgt Ion:105 Resp: 628521
Ion Ratio Lower Upper
105 100
120 26.2 20.6 30.8
77 16.0 12.7 19.1



#61
1,2,3-Trichloropropane
Concen: 23.232 ug/L
RT: 12.769 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion: 75 Resp: 81249
Ion Ratio Lower Upper
75 100
77 32.3 26.3 39.5
110 39.4 32.6 49.0

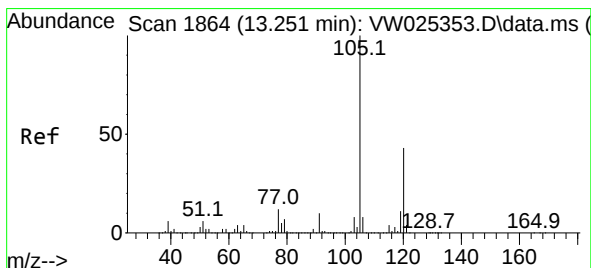
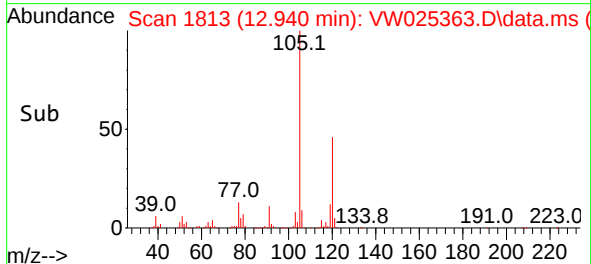
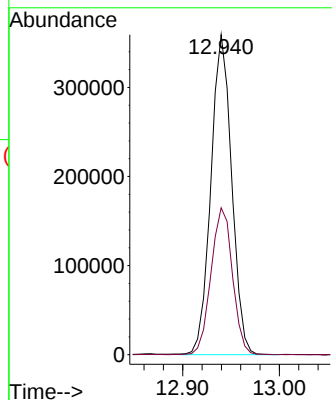
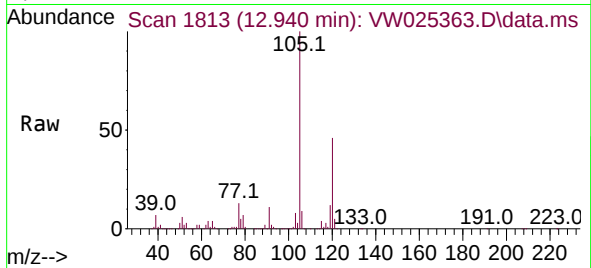




#62
1,3,5-Trimethylbenzene
Concen: 23.143 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

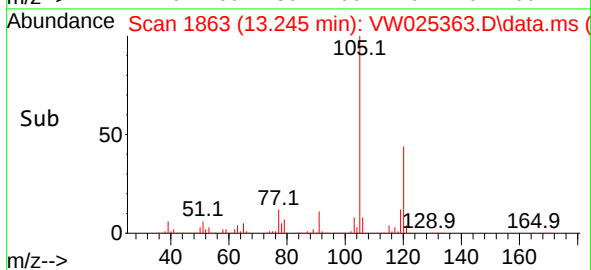
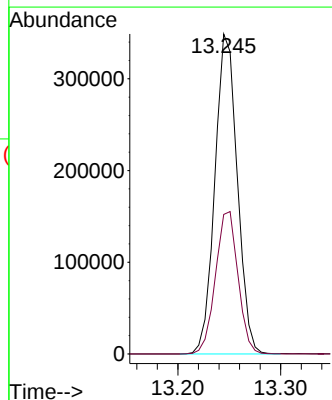
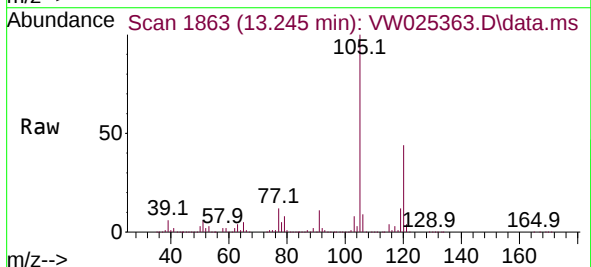
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

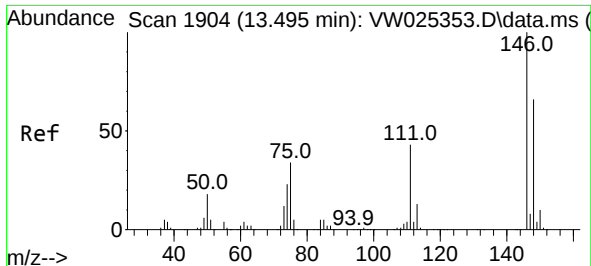
Tgt Ion:105 Resp: 536600
Ion Ratio Lower Upper
105 100
120 47.3 38.6 57.8



#63
1,2,4-Trimethylbenzene
Concen: 24.058 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.006 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion:105 Resp: 528027
Ion Ratio Lower Upper
105 100
120 44.7 35.6 53.4

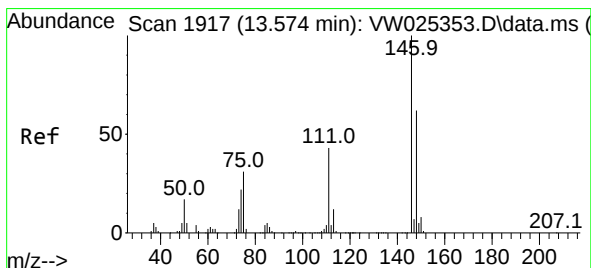
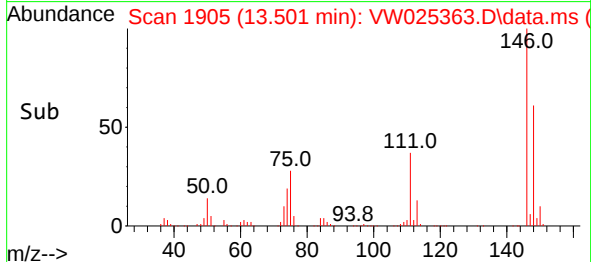
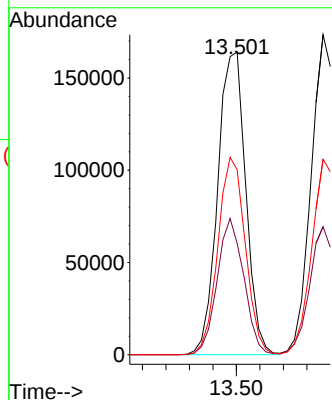
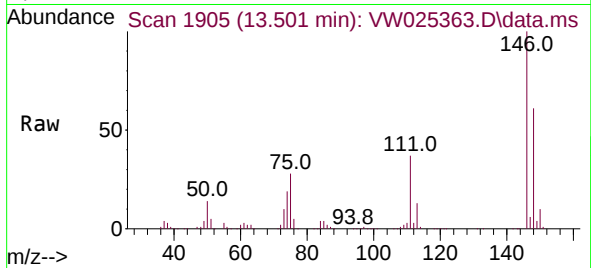




#64
1,3-Dichlorobenzene
Concen: 24.132 ug/L
RT: 13.501 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

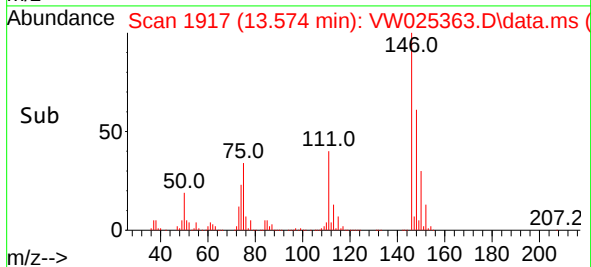
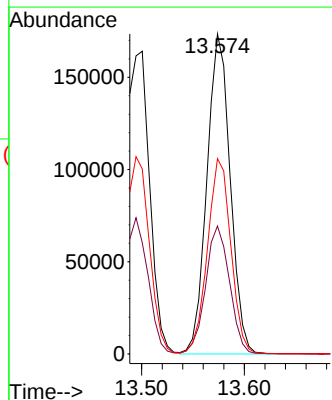
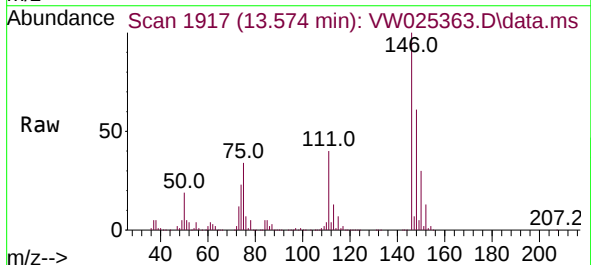
Instrument :
MSVOA_W
ClientSampleId :
VSTD025543

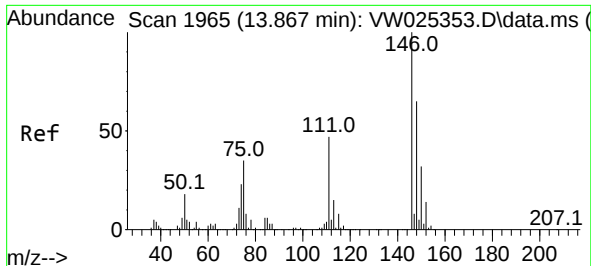
Tgt Ion:146 Resp: 272427
Ion Ratio Lower Upper
146 100
111 36.7 29.5 54.7
148 61.1 46.0 85.4



#65
1,4-Dichlorobenzene
Concen: 24.183 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025363.D
Acq: 22 Feb 2023 16:28

Tgt Ion:146 Resp: 273699
Ion Ratio Lower Upper
146 100
111 40.0 29.8 55.3
148 61.0 41.7 77.5





#67

1,2-Dichlorobenzene

Concen: 22.696 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

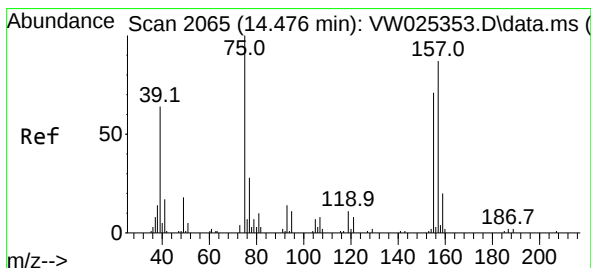
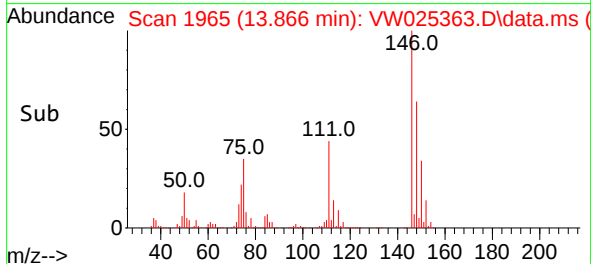
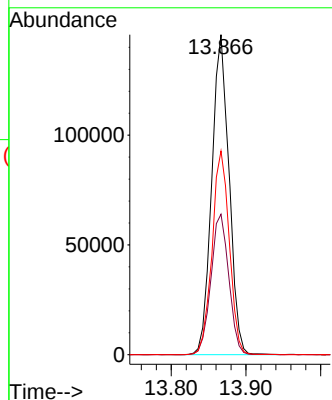
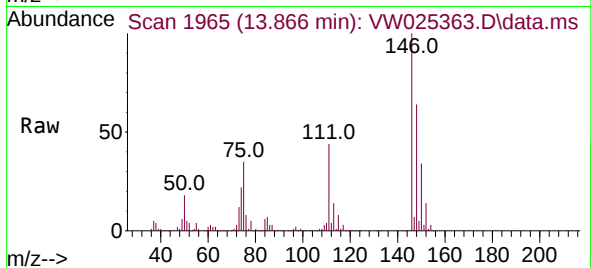
Tgt Ion:146 Resp: 234954

Ion Ratio Lower Upper

146 100

111 43.9 36.5 54.7

148 63.7 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.016 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

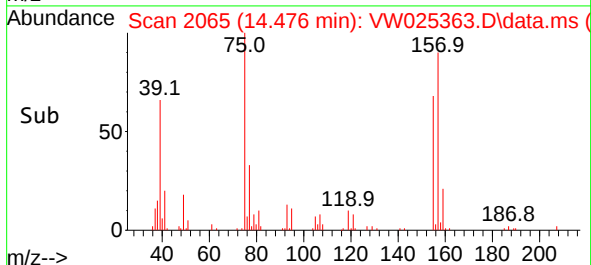
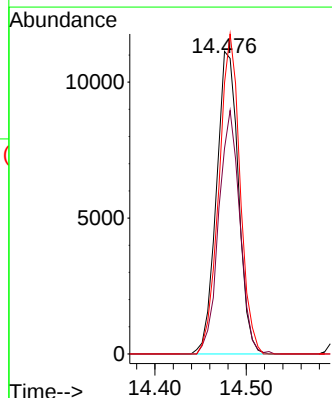
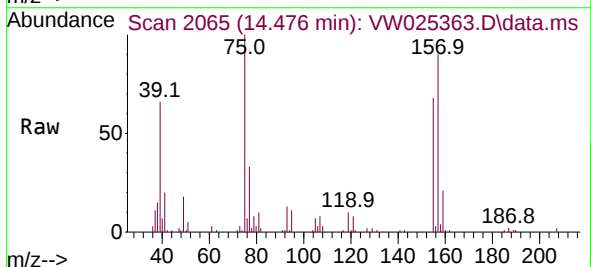
Tgt Ion: 75 Resp: 18599

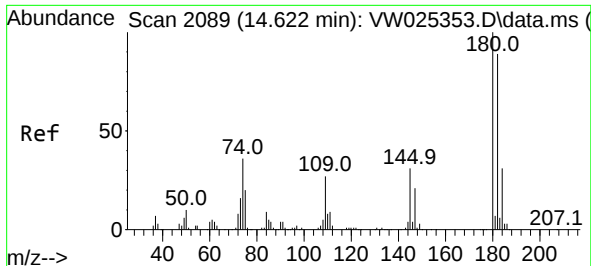
Ion Ratio Lower Upper

75 100

155 68.0 58.6 87.8

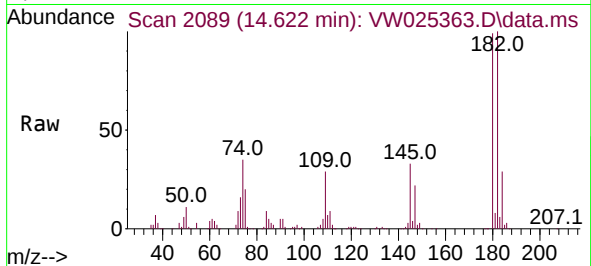
157 89.6 71.4 107.0



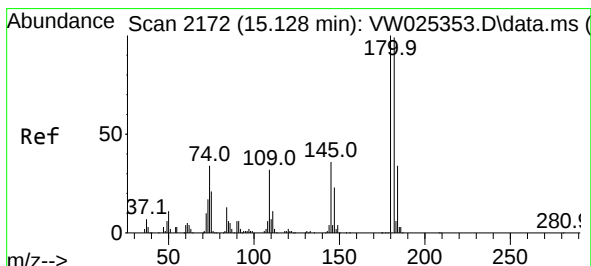
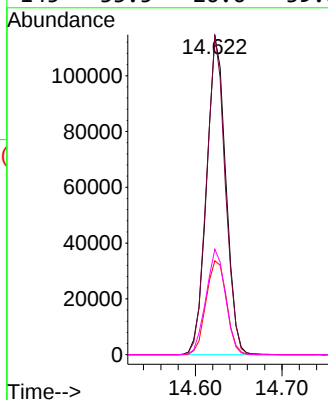
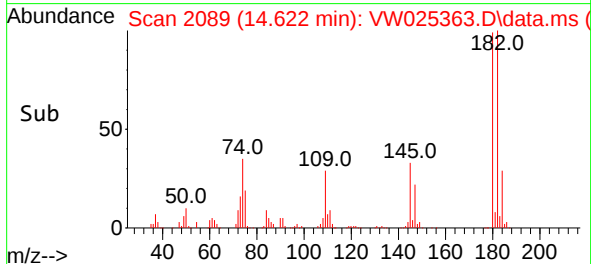


#69
 1,3,5-Trichlorobenzene
 Concen: 22.760 ug/L
 RT: 14.622 min Scan# 2089
 Delta R.T. -0.000 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28

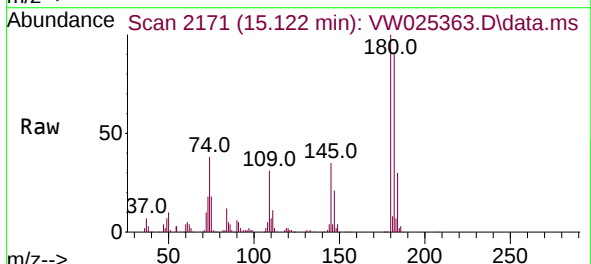
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025543



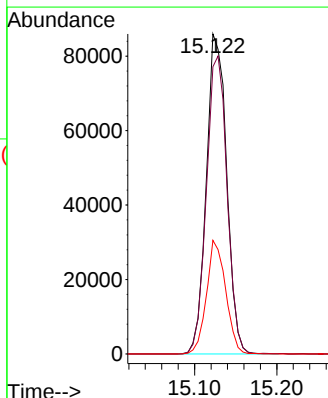
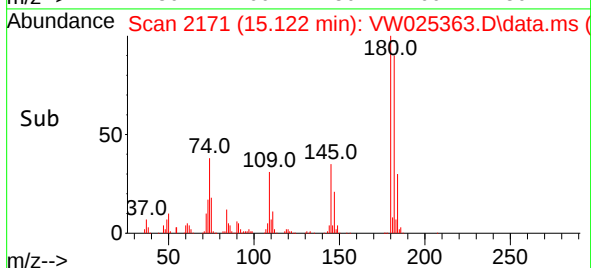
Tgt Ion:180 Resp: 175872
 Ion Ratio Lower Upper
 180 100
 182 98.1 76.5 114.7
 184 31.5 25.2 37.8
 145 33.5 26.6 39.8

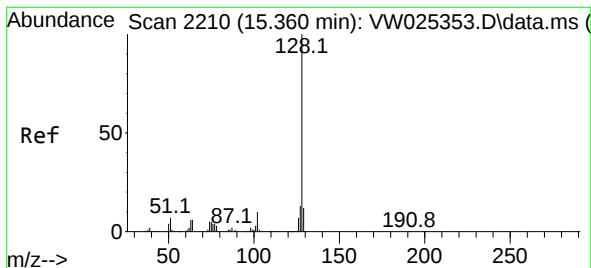


#70
 1,2,4-trichlorobenzene
 Concen: 22.030 ug/L
 RT: 15.122 min Scan# 2171
 Delta R.T. -0.006 min
 Lab File: VW025363.D
 Acq: 22 Feb 2023 16:28



Tgt Ion:180 Resp: 147707
 Ion Ratio Lower Upper
 180 100
 182 94.6 72.6 109.0
 145 33.5 26.4 39.6





#71

Naphthalene

Concen: 24.189 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD025543

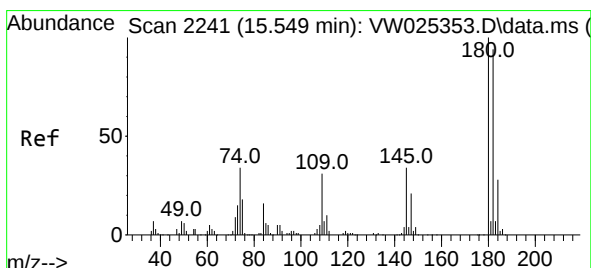
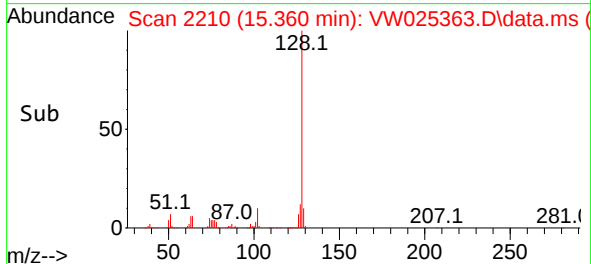
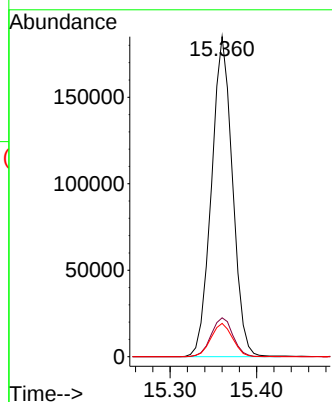
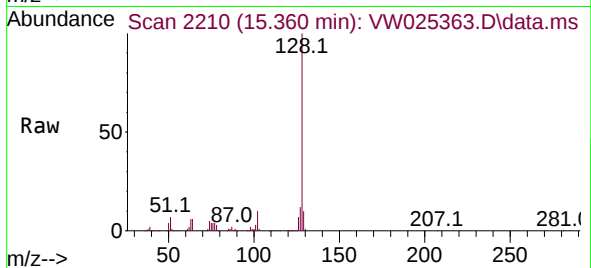
Tgt Ion:128 Resp: 311860

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 23.098 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025363.D

Acq: 22 Feb 2023 16:28

Tgt Ion:180 Resp: 131528

Ion Ratio Lower Upper

180 100

182 94.8 76.6 115.0

145 35.8 29.3 43.9

