

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031422\
 Data File : VW022310.D
 Acq On : 14 Mar 2022 08:51
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025583

Quant Time: Mar 15 00:59:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 11 21:01:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	139500	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	137790	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	76343	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	40958	22.510	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.040%
7) Chloroethane-d5	2.885	69	30459	21.276	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.120%
11) 1,1-Dichloroethene-d2	4.019	63	64619	23.191	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.760%
21) 2-Butanone-d5	7.086	46	14841	48.512	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.020%
24) Chloroform-d	7.653	84	83418	26.801	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	8.305	65	41143	25.430	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.720%
32) Benzene-d6	8.274	84	153759	23.977	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.920%
36) 1,2-Dichloropropane-d6	9.274	67	43524	24.440	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.760%
41) Toluene-d8	10.323	98	151208	23.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.880%
43) trans-1,3-Dichloroprop...	10.573	79	18424	23.333	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.320%
47) 2-Hexanone-d5	10.920	63	12879	43.970	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.940%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	39154	25.052	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.200%
66) 1,2-Dichlorobenzene-d4	13.853	152	60212	24.556	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	6422	16.472	ug/L	89
3) Chloromethane	2.214	50	32100	24.028	ug/L	97
5) Vinyl chloride	2.361	62	48105	23.965	ug/L	98
6) Bromomethane	2.775	94	33263	23.727	ug/L	92
8) Chloroethane	2.916	64	26693	23.672	ug/L	91
9) Trichlorofluoromethane	3.263	101	36162	26.535	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	44738	26.907	ug/L #	69
12) 1,1-Dichloroethene	4.037	96	37213	25.824	ug/L	96
13) Acetone	4.135	43	15064	60.289	ug/L	98
14) Carbon disulfide	4.385	76	69736	18.666	ug/L	99
15) Methyl Acetate	4.671	43	14474	25.731	ug/L #	79
16) Methylene chloride	4.915	84	43109	25.176	ug/L	96
17) trans-1,2-Dichloroethene	5.427	96	39853	25.179	ug/L	92
18) Methyl tert-butyl Ether	5.421	73	60355	28.028	ug/L #	90
19) 1,1-Dichloroethane	6.220	63	74964	29.255	ug/L	97
20) cis-1,2-Dichloroethene	7.165	96	48340	28.194	ug/L	95
22) 2-Butanone	7.177	43	21131	58.873	ug/L	97
23) Bromochloromethane	7.512	128	22952	27.403	ug/L	92
25) Chloroform	7.671	83	89139	29.814	ug/L	100

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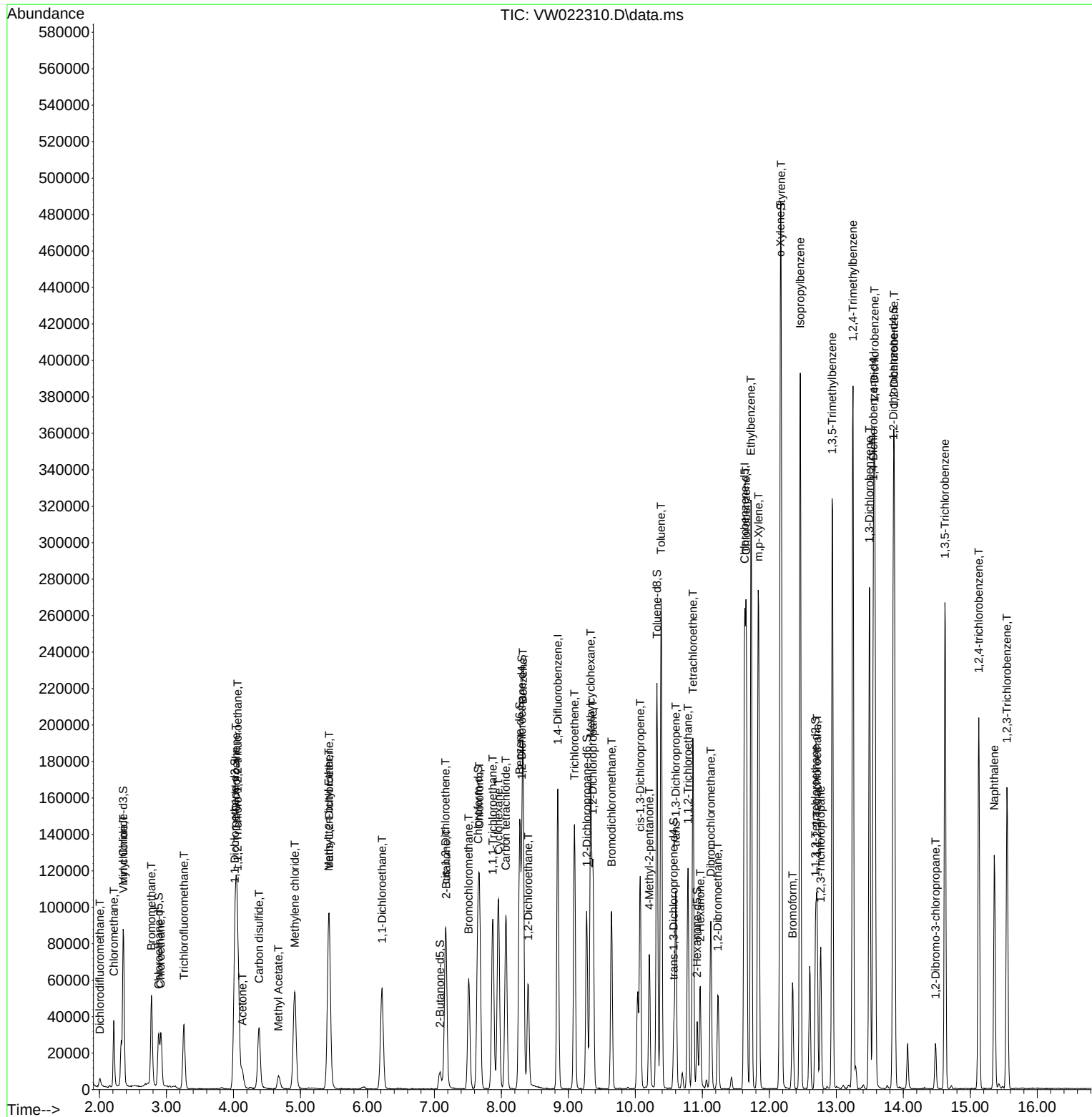
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.402	62	50645	27.502	ug/L	100
29) Cyclohexane	7.957	56	52700	22.982	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	76275	27.514	ug/L	98
31) Carbon tetrachloride	8.067	117	72500	27.518	ug/L	99
33) Benzene	8.323	78	173797	26.088	ug/L	100
34) Trichloroethene	9.091	95	48831	25.600	ug/L	97
35) Methylcyclohexane	9.335	83	70348	23.844	ug/L	100
37) 1,2-Dichloropropane	9.366	63	42051	27.057	ug/L	99
38) Bromodichloromethane	9.646	83	63073	28.300	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	66318	28.072	ug/L	96
40) 4-Methyl-2-pentanone	10.207	43	44438	52.947	ug/L	99
42) Toluene	10.384	91	203855	27.037	ug/L	100
44) trans-1,3-Dichloropropene	10.603	75	58939	27.763	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	36744	26.662	ug/L	98
46) Tetrachloroethene	10.859	164	42379	25.363	ug/L	91
48) 2-Hexanone	10.969	43	32249	55.361	ug/L	96
49) Dibromochloromethane	11.128	129	48217	28.803	ug/L	100
50) 1,2-Dibromoethane	11.231	107	33975	25.559	ug/L #	99
51) Chlorobenzene	11.652	112	140253	26.728	ug/L	99
52) Ethylbenzene	11.725	91	231829	27.782	ug/L	100
53) m,p-Xylene	11.841	106	94018	27.382	ug/L	98
54) o-Xylene	12.164	106	89665	27.754	ug/L	93
55) Styrene	12.176	104	157865	29.147	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	43137	26.977	ug/L	99
59) Bromoform	12.347	173	25031	24.794	ug/L	95
60) Isopropylbenzene	12.463	105	254735	27.796	ug/L	99
61) 1,2,3-Trichloropropane	12.767	75	30291	25.139	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	171659	28.169	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	212478	28.530	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	119437	26.272	ug/L	97
65) 1,4-Dichlorobenzene	13.572	146	122606	26.912	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	108857	26.932	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.481	75	6198	24.333	ug/L	90
69) 1,3,5-Trichlorobenzene	14.621	180	84723	25.965	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	64189	25.999	ug/L	98
71) Naphthalene	15.358	128	108724	24.946	ug/L	99
72) 1,2,3-Trichlorobenzene	15.547	180	54187	25.375	ug/L	97

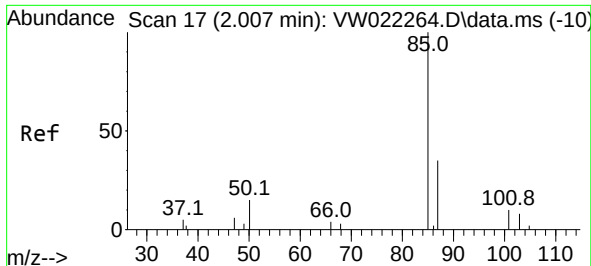
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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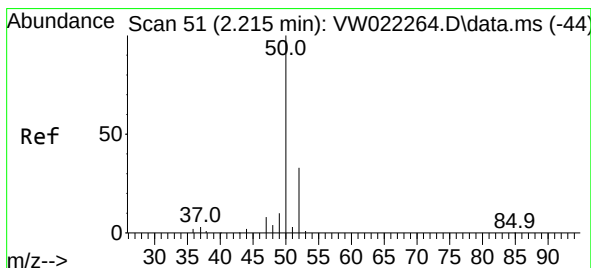
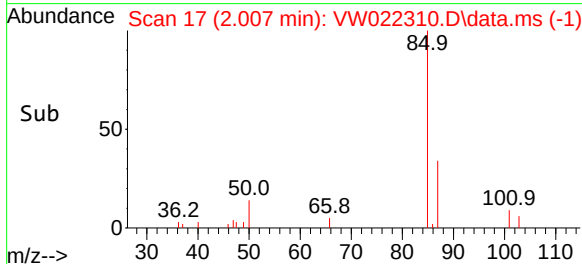
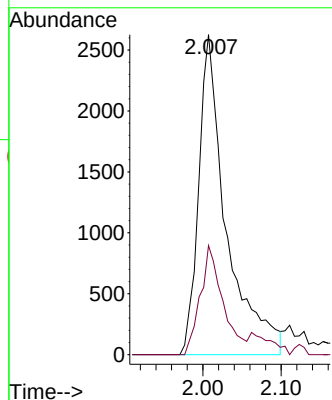
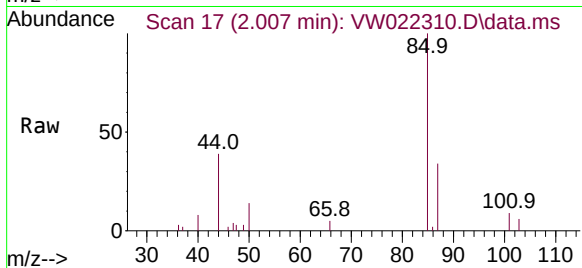




#2
 Dichlorodifluoromethane
 Concen: 16.472 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

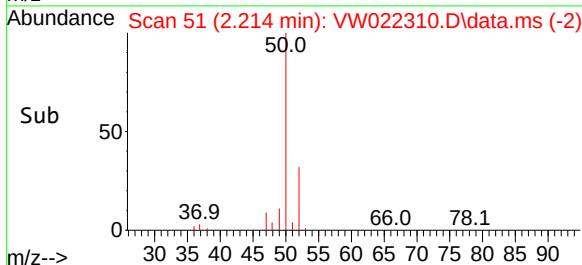
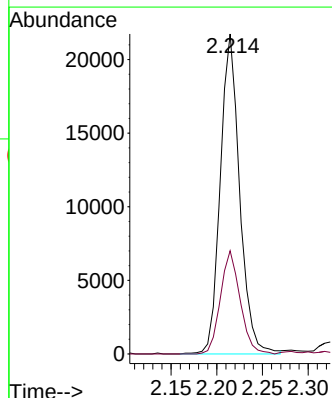
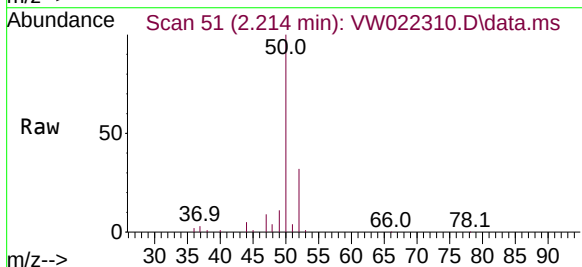
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025583

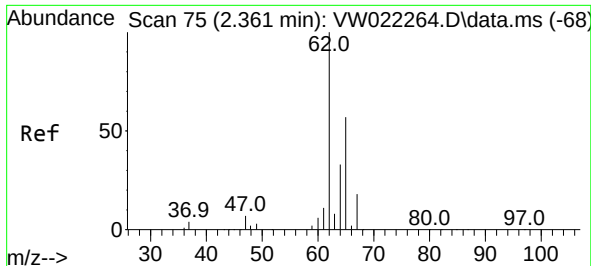
Tgt Ion: 85 Resp: 6422
 Ion Ratio Lower Upper
 85 100
 87 28.2 27.6 41.4



#3
 Chloromethane
 Concen: 24.028 ug/L
 RT: 2.214 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

Tgt Ion: 50 Resp: 32100
 Ion Ratio Lower Upper
 50 100
 52 32.3 23.9 44.5

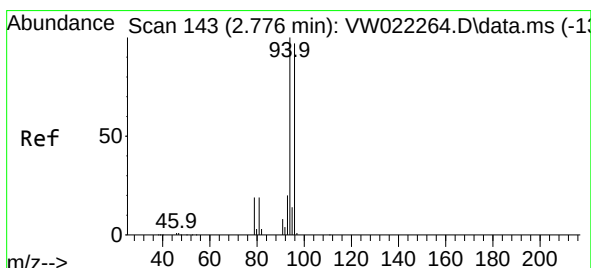
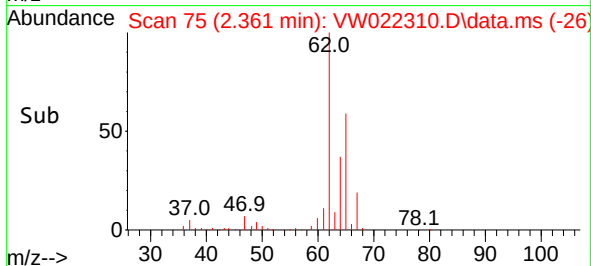
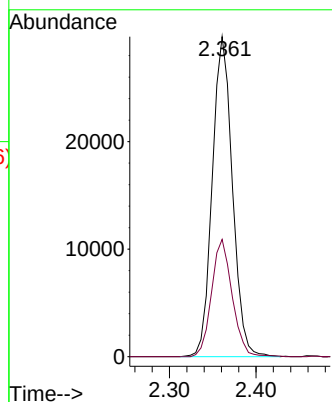
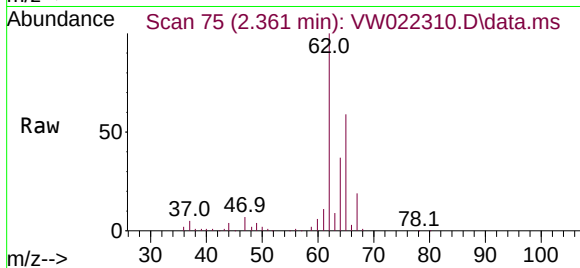




#5
 Vinyl chloride
 Concen: 23.965 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

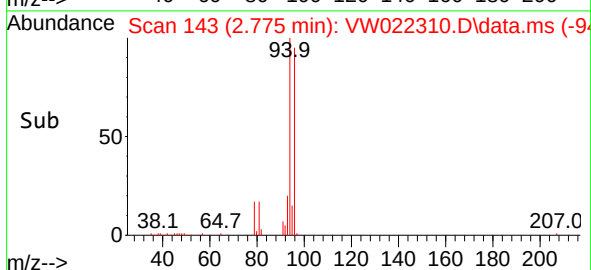
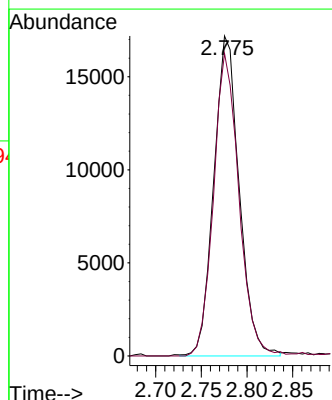
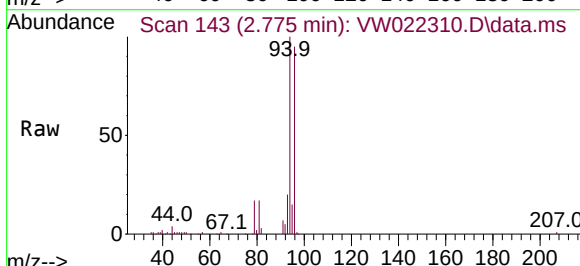
Instrument :
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 ClientSampleId :
 VSTD025583

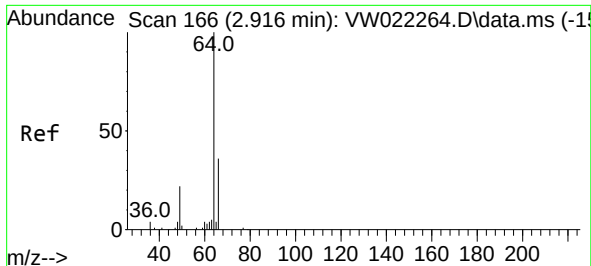
Tgt Ion: 62 Resp: 48105
 Ion Ratio Lower Upper
 62 100
 64 36.7 24.7 45.9



#6
 Bromomethane
 Concen: 23.727 ug/L
 RT: 2.775 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

Tgt Ion: 94 Resp: 33263
 Ion Ratio Lower Upper
 94 100
 96 94.5 61.2 113.8

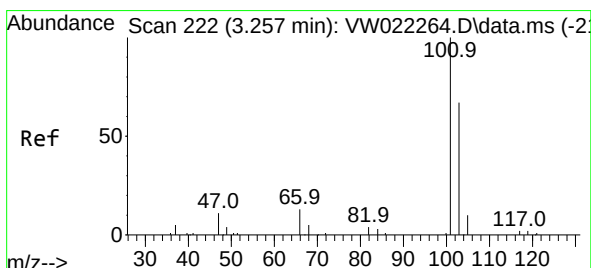
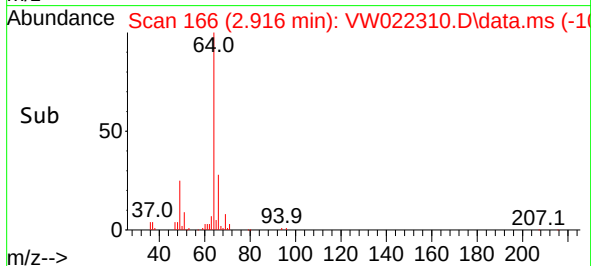
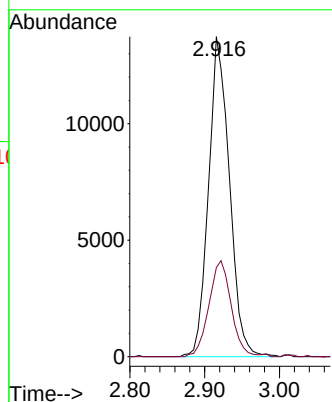
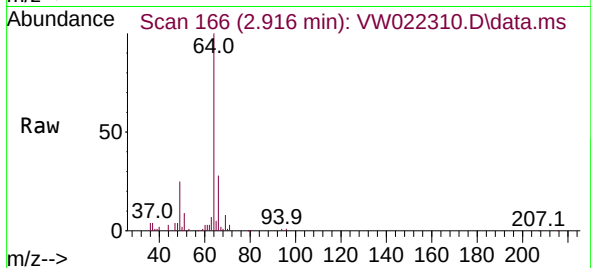




#8
Chloroethane
Concen: 23.672 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

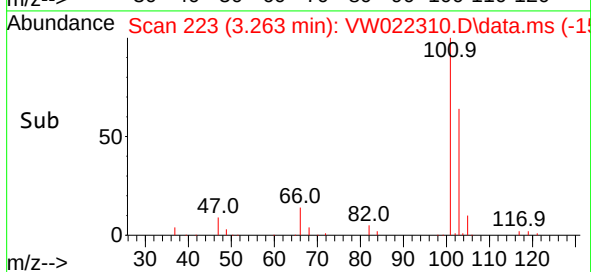
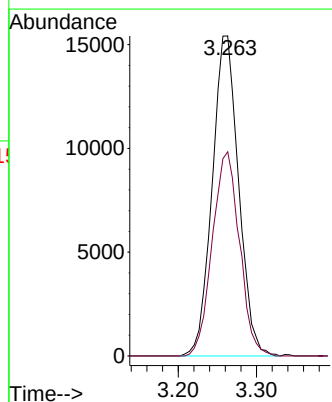
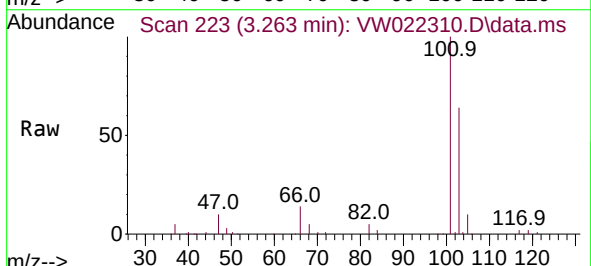
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MSVOA_W
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VSTD025583

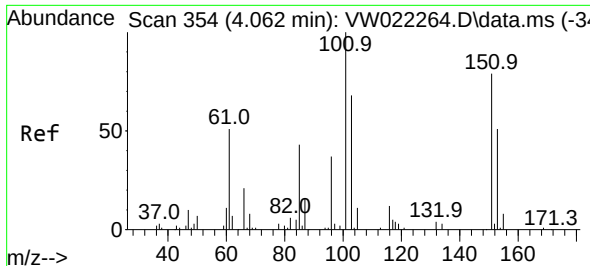
Tgt Ion: 64 Resp: 26693
Ion Ratio Lower Upper
64 100
66 27.9 23.2 43.0



#9
Trichlorofluoromethane
Concen: 26.535 ug/L
RT: 3.263 min Scan# 223
Delta R.T. 0.006 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 101 Resp: 36162
Ion Ratio Lower Upper
101 100
103 65.5 53.2 79.8





#10

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

Concen: 26.907 ug/L

RT: 4.062 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

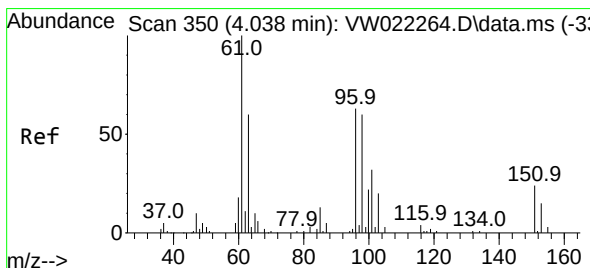
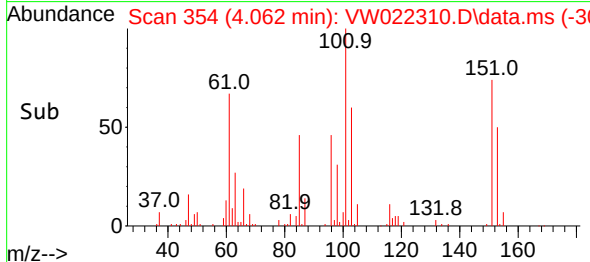
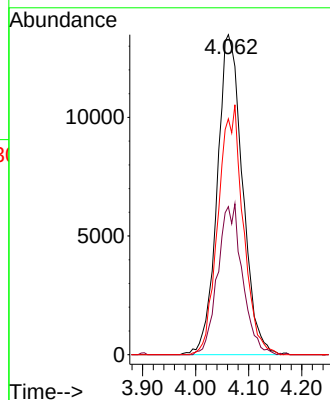
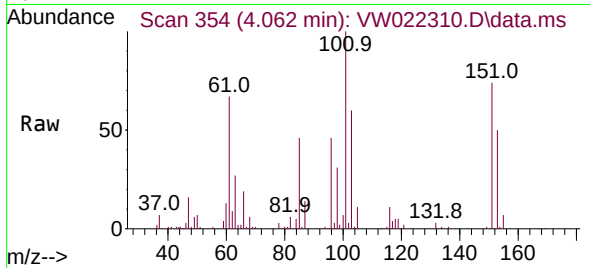
Tgt Ion:101 Resp: 44738

Ion Ratio Lower Upper

101 100

85 27.3 34.4 51.6#

151 44.3 59.0 88.4#



#12

1,1-Dichloroethene

Concen: 25.824 ug/L

RT: 4.037 min Scan# 350

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

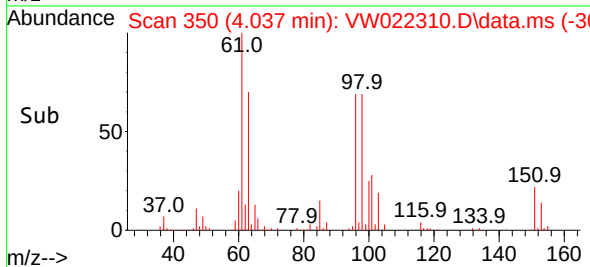
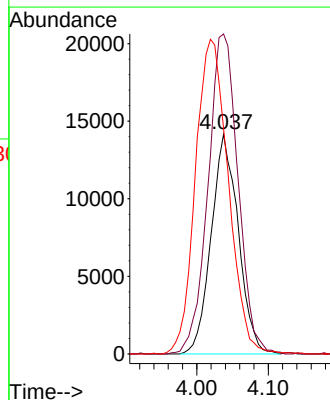
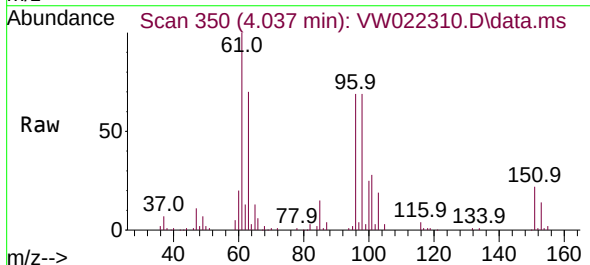
Tgt Ion: 96 Resp: 37213

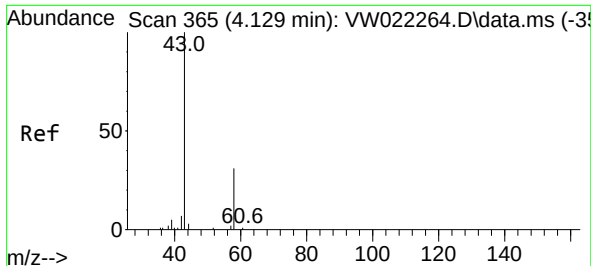
Ion Ratio Lower Upper

96 100

61 145.7 108.4 201.2

63 102.7 72.0 133.6





#13

Acetone

Concen: 60.289 ug/L

RT: 4.135 min Scan# 366

Delta R.T. 0.012 min

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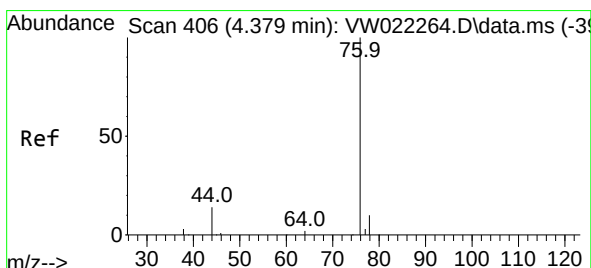
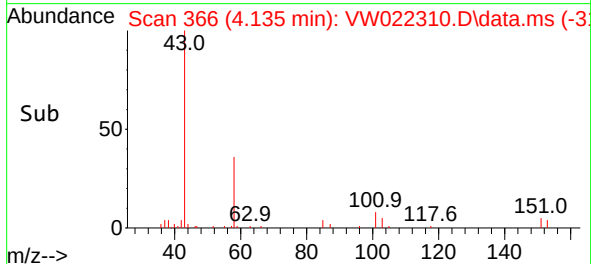
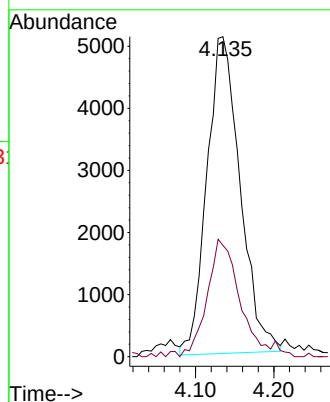
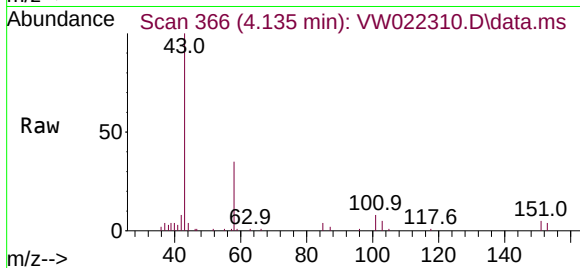
VSTD025583

Tgt Ion: 43 Resp: 15064

Ion Ratio Lower Upper

43 100

58 35.6 0.0 69.2



#14

Carbon disulfide

Concen: 18.666 ug/L

RT: 4.385 min Scan# 407

Delta R.T. -0.000 min

Lab File: VW022310.D

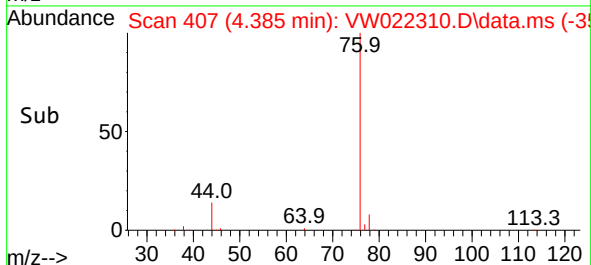
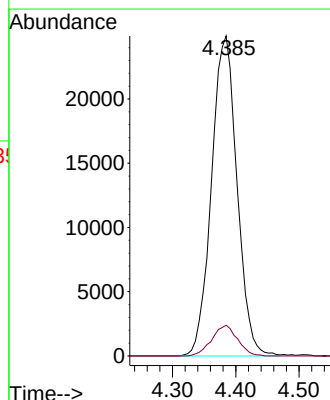
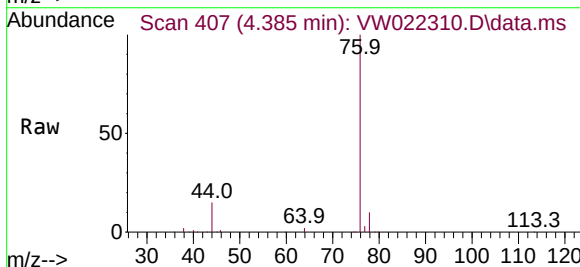
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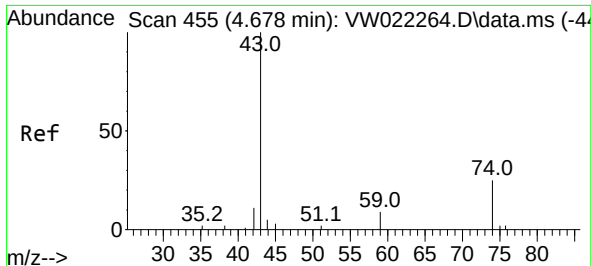
Tgt Ion: 76 Resp: 69736

Ion Ratio Lower Upper

76 100

78 9.6 7.8 11.8

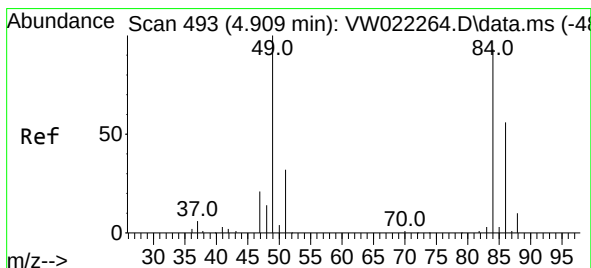
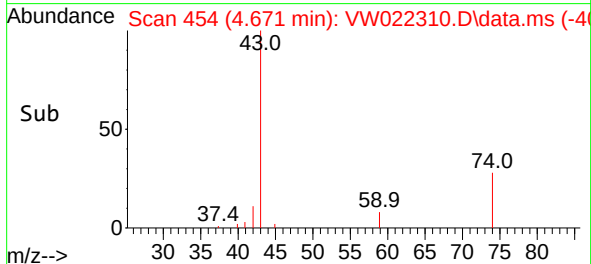
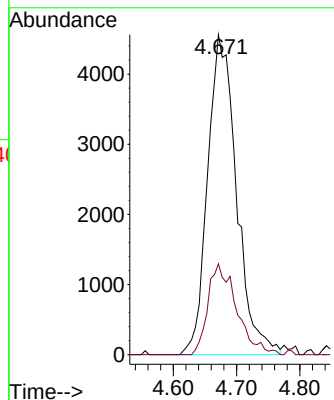
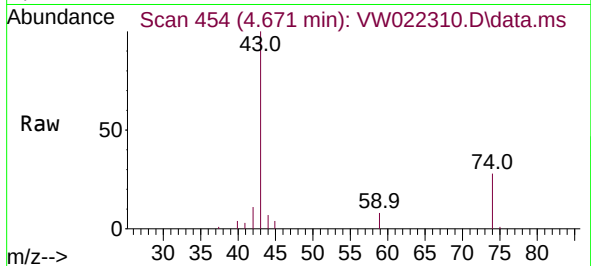




#15
Methyl Acetate
Concen: 25.731 ug/L
RT: 4.671 min Scan# 41
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

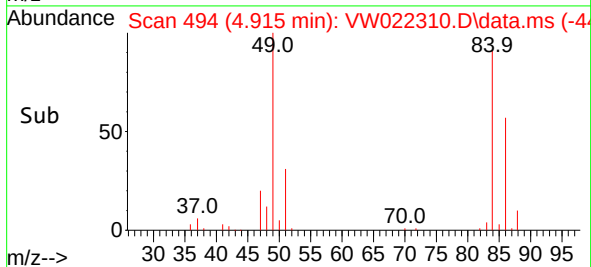
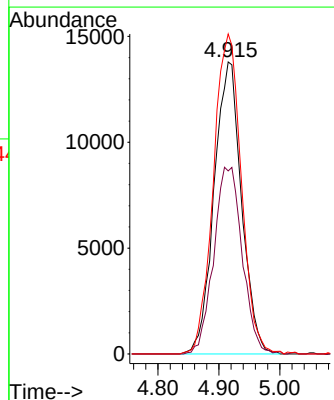
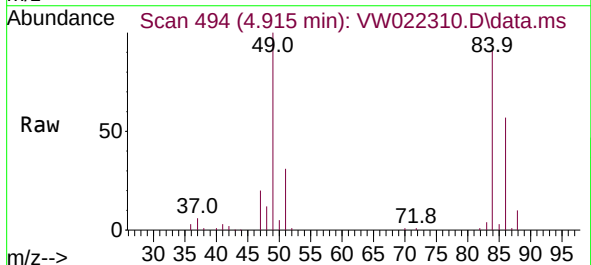
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

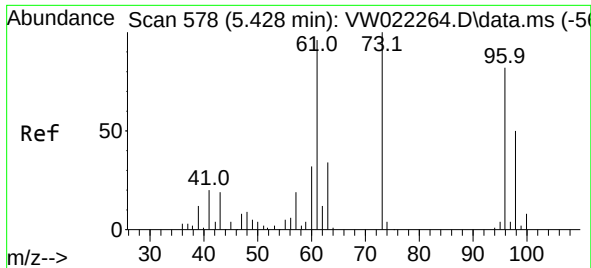
Tgt Ion: 43 Resp: 14474
Ion Ratio Lower Upper
43 100
74 17.4 23.0 34.6#



#16
Methylene chloride
Concen: 25.176 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 84 Resp: 43109
Ion Ratio Lower Upper
84 100
86 62.7 45.8 85.0
49 109.6 73.8 137.0

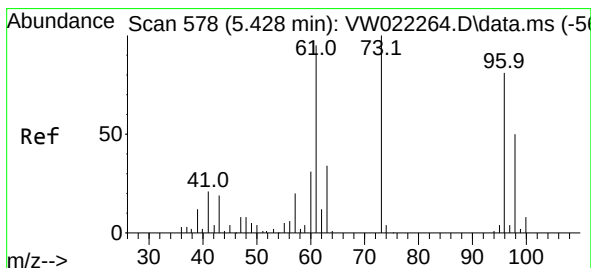
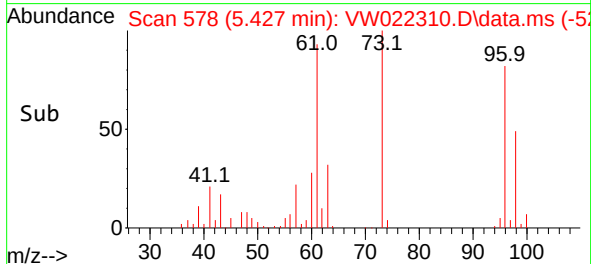
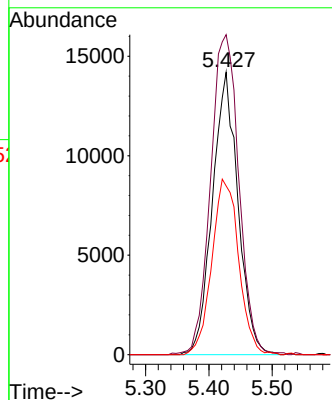
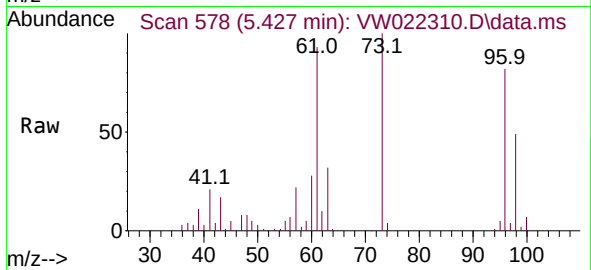




#17
trans-1,2-Dichloroethene
Concen: 25.179 ug/L
RT: 5.427 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

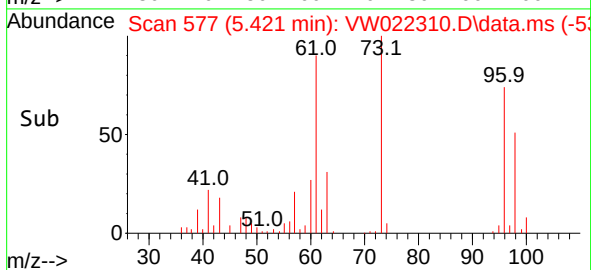
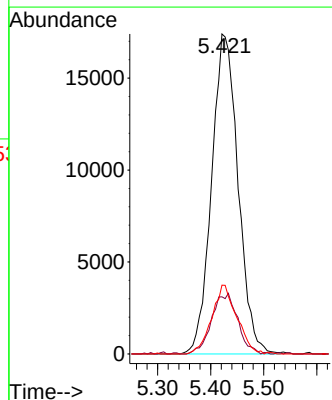
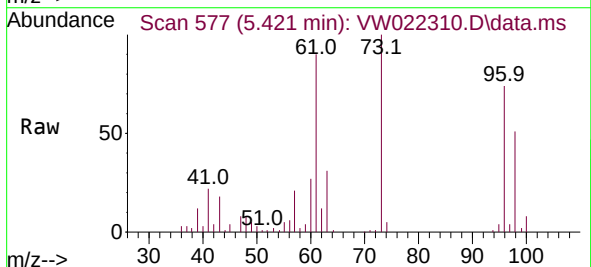
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

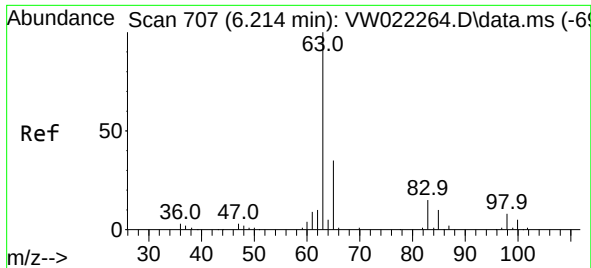
Tgt Ion: 96 Resp: 39853
Ion Ratio Lower Upper
96 100
61 113.3 87.3 162.1
98 59.7 43.2 80.2



#18
Methyl tert-butyl Ether
Concen: 28.028 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.013 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 73 Resp: 60355
Ion Ratio Lower Upper
73 100
43 10.6 15.4 23.2#
57 20.3 16.5 24.7

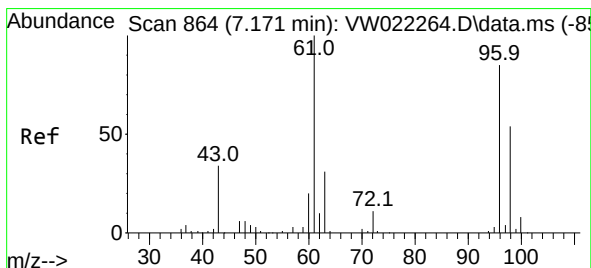
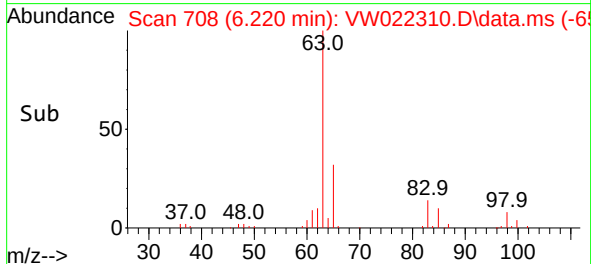
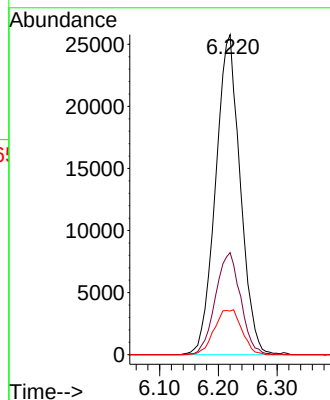
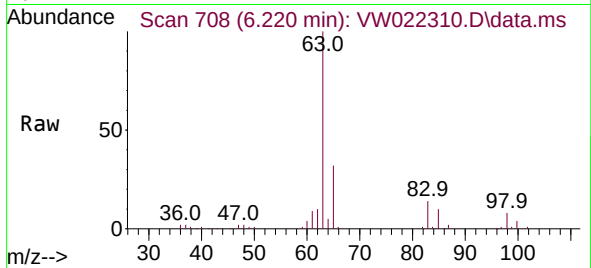




#19
 1,1-Dichloroethane
 Concen: 29.255 ug/L
 RT: 6.220 min Scan# 707
 Delta R.T. 0.006 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

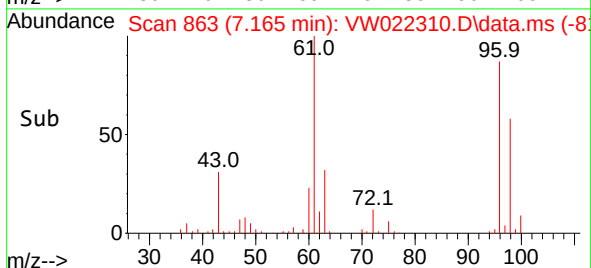
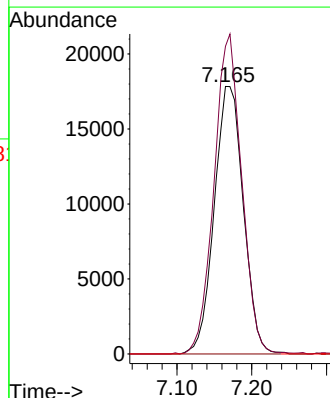
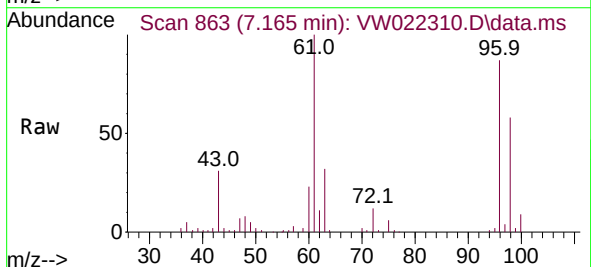
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025583

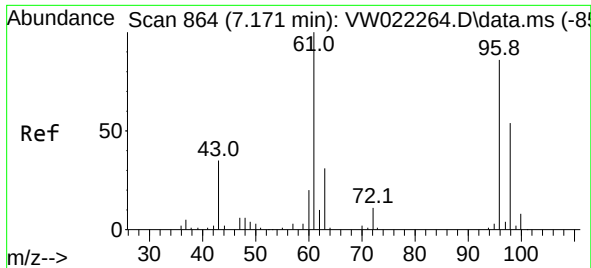
Tgt Ion: 63 Resp: 74964
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.9
 83 13.7 11.5 21.5



#20
 cis-1,2-Dichloroethene
 Concen: 28.194 ug/L
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

Tgt Ion: 96 Resp: 48340
 Ion Ratio Lower Upper
 96 100
 61 115.0 76.8 142.6
 68 0.0 0.0 0.0

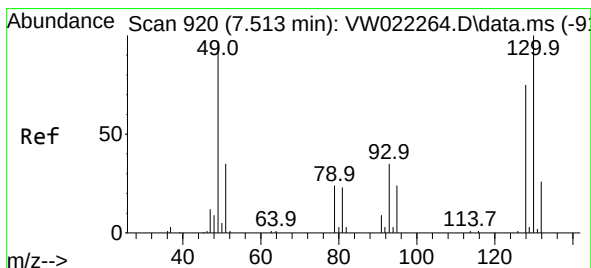
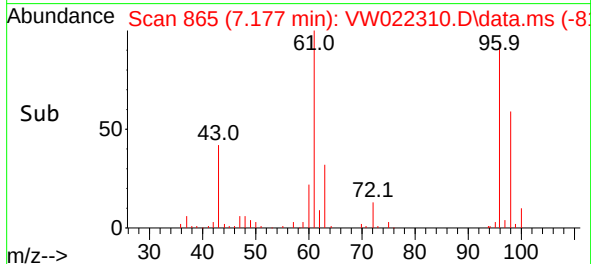
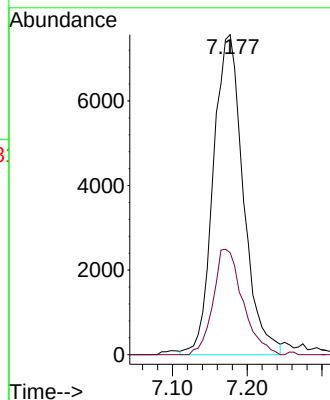
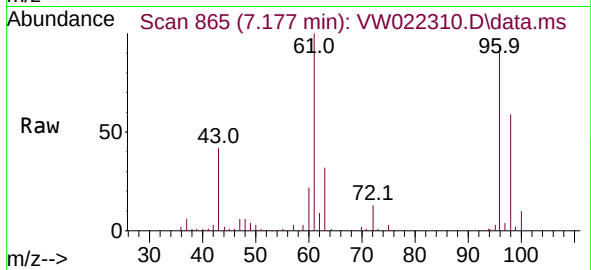




#22
2-Butanone
Concen: 58.873 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

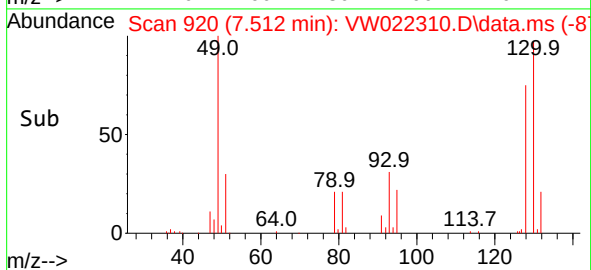
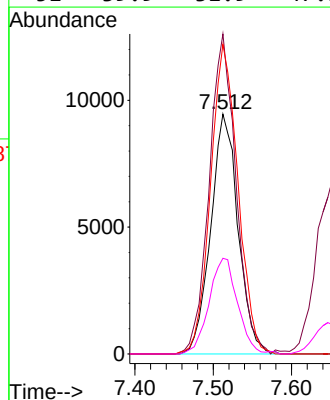
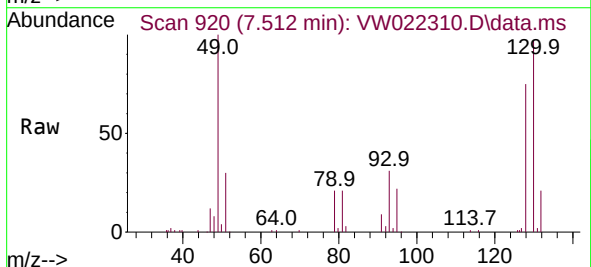
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

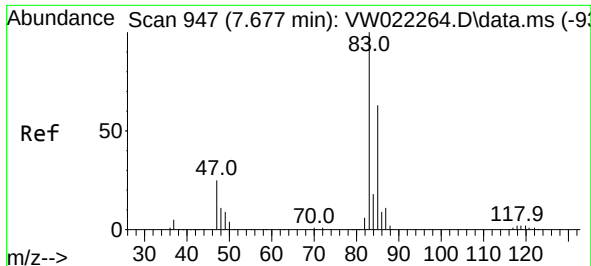
Tgt Ion: 43 Resp: 21131
Ion Ratio Lower Upper
43 100
72 32.5 17.0 51.0



#23
Bromochloromethane
Concen: 27.403 ug/L
RT: 7.512 min Scan# 920
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 128 Resp: 22952
Ion Ratio Lower Upper
128 100
49 133.4 84.2 156.4
130 129.1 84.8 157.4
51 39.9 31.9 47.9

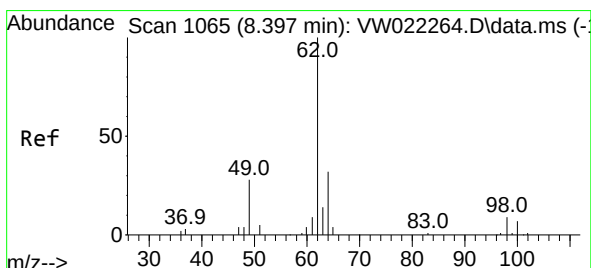
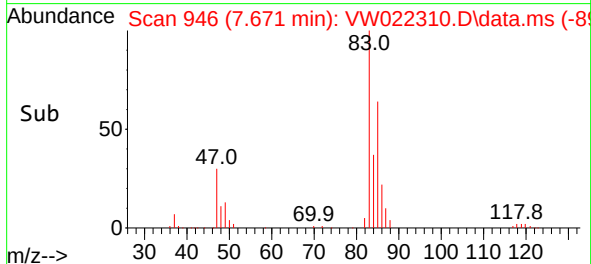
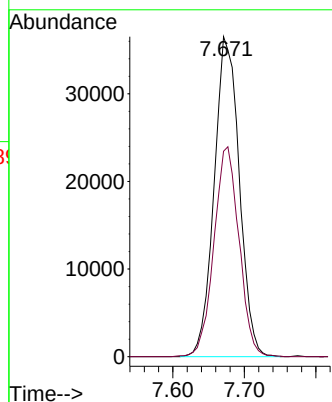
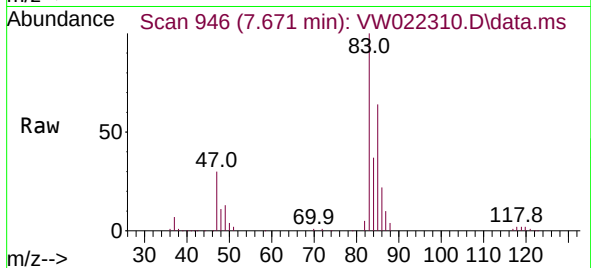




#25
Chloroform
Concen: 29.814 ug/L
RT: 7.671 min Scan# 947
Delta R.T. -0.006 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

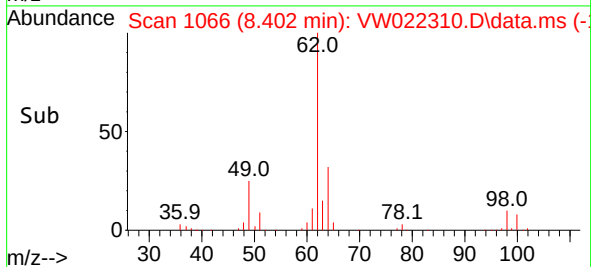
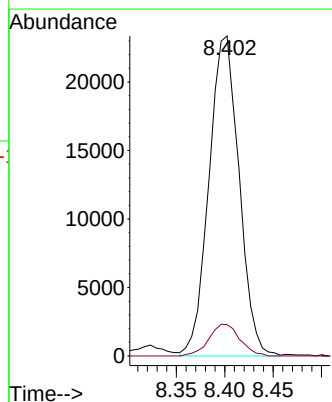
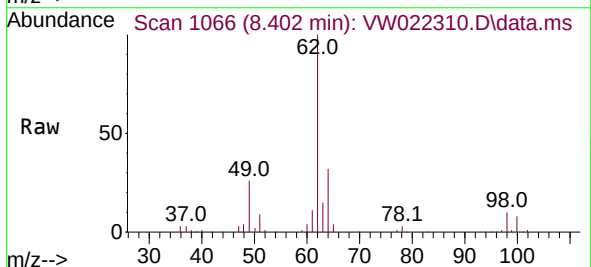
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

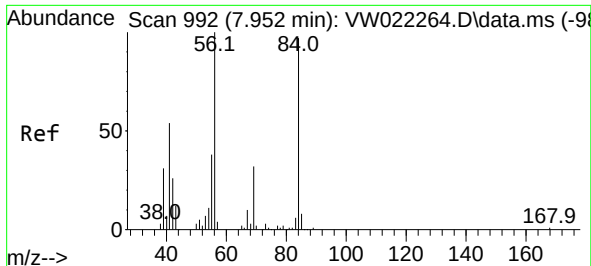
Tgt Ion: 83 Resp: 89139
Ion Ratio Lower Upper
83 100
85 64.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 27.502 ug/L
RT: 8.402 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 62 Resp: 50645
Ion Ratio Lower Upper
62 100
98 9.8 7.9 11.9





#29

Cyclohexane

Concen: 22.982 ug/L

RT: 7.957 min Scan# 992

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

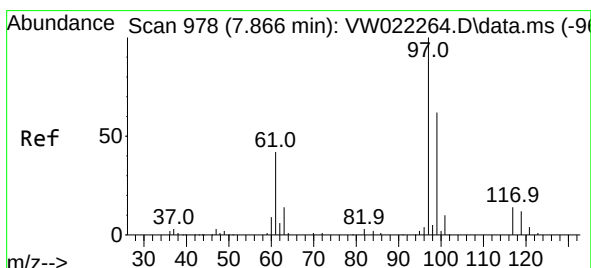
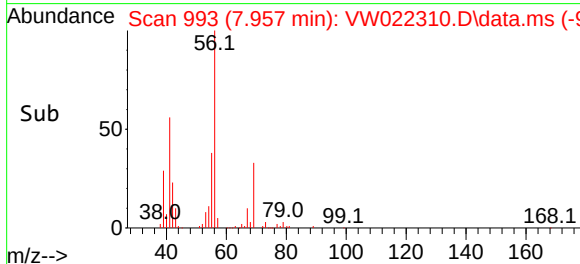
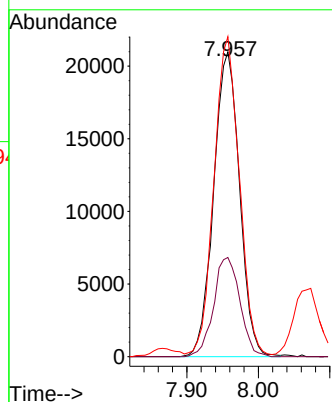
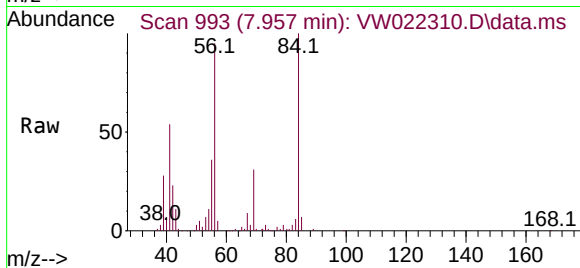
Tgt Ion: 56 Resp: 52700

Ion Ratio Lower Upper

56 100

69 33.1 26.3 39.5

84 103.2 81.4 122.2



#30

1,1,1-Trichloroethane

Concen: 27.514 ug/L

RT: 7.872 min Scan# 979

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

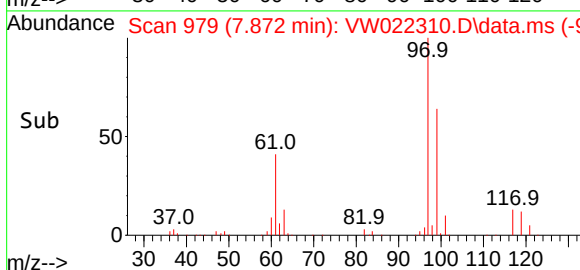
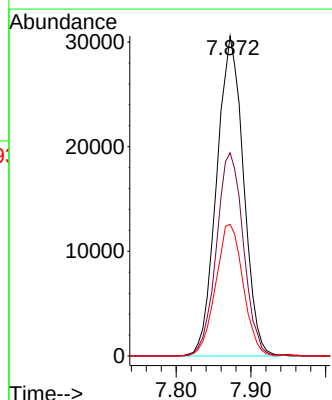
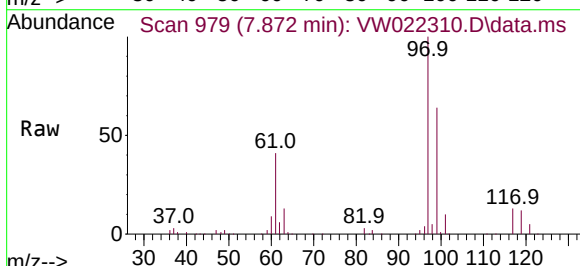
Tgt Ion: 97 Resp: 76275

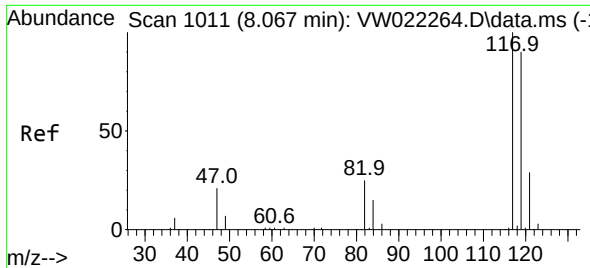
Ion Ratio Lower Upper

97 100

99 64.1 52.6 78.8

61 42.2 33.0 49.6

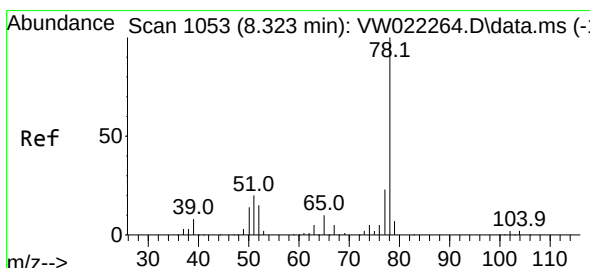
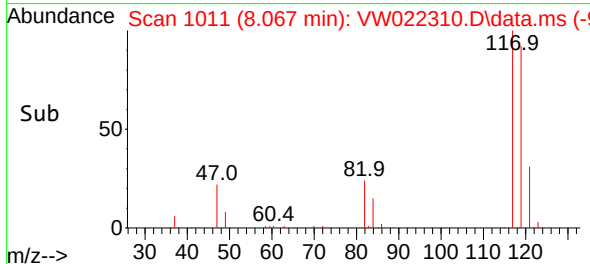
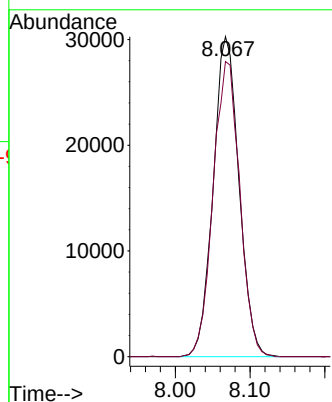
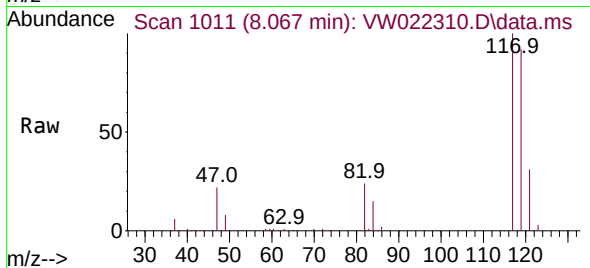




#31
Carbon tetrachloride
Concen: 27.518 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

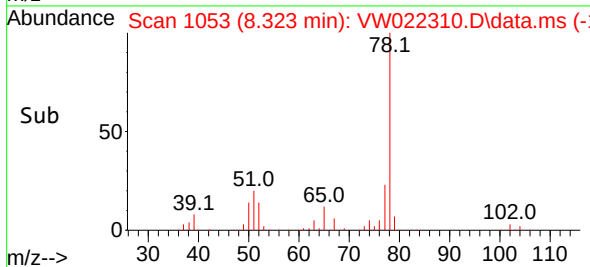
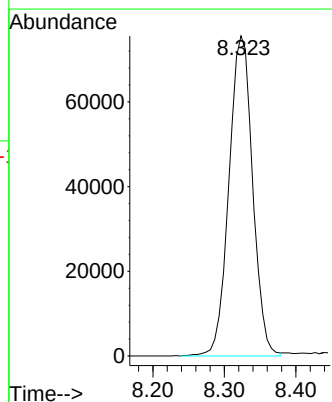
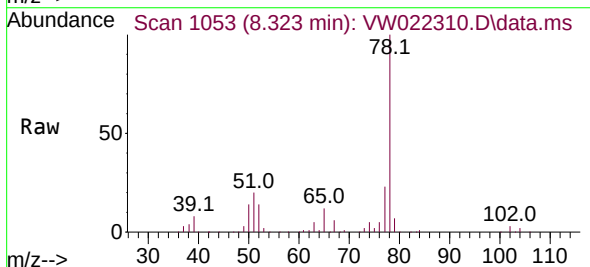
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

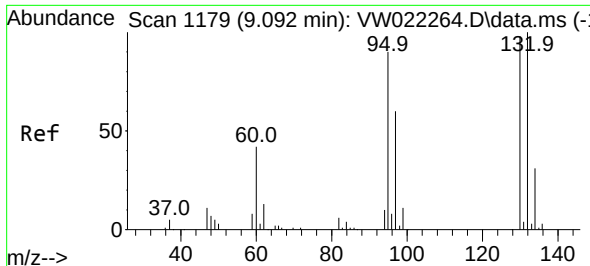
Tgt Ion:117 Resp: 72500
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1



#33
Benzene
Concen: 26.088 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 78 Resp: 173797

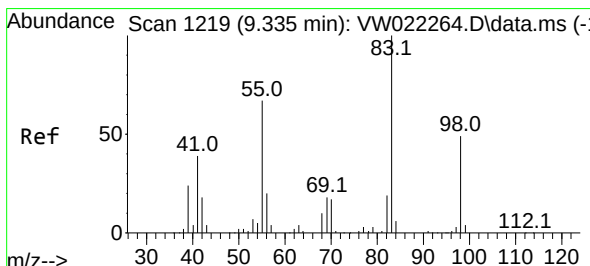
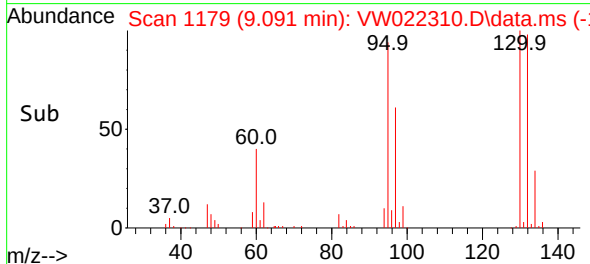
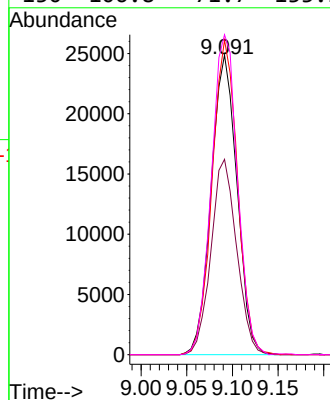
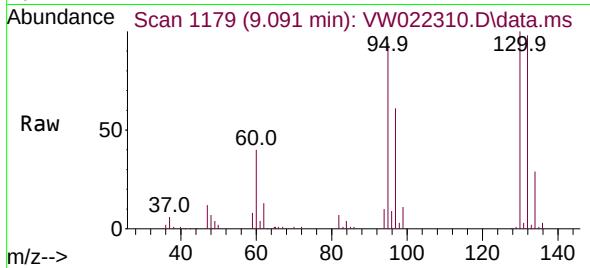




#34
Trichloroethene
Concen: 25.600 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

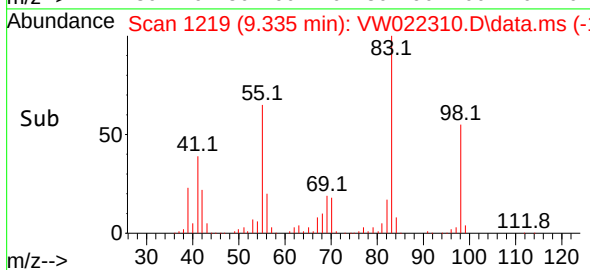
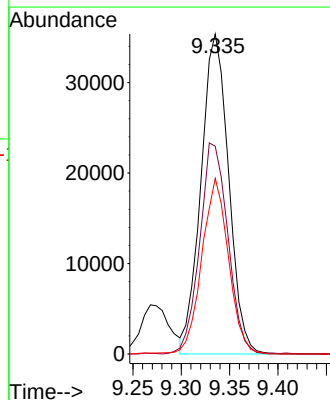
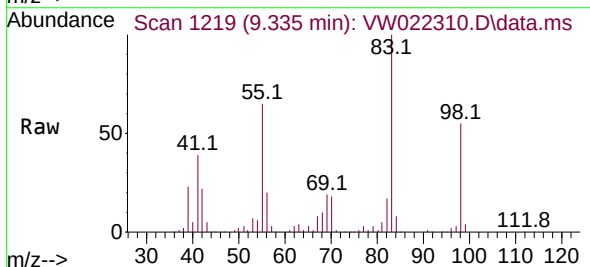
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

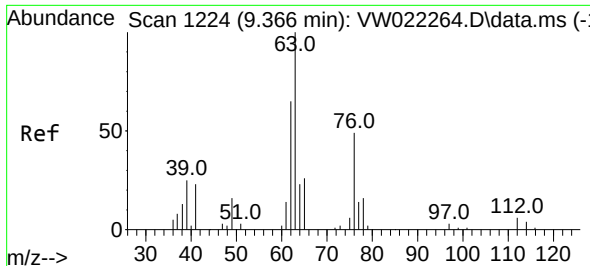
Tgt Ion: 95 Resp: 48831
Ion Ratio Lower Upper
95 100
97 65.2 44.4 82.4
132 104.9 71.7 133.1
130 106.8 71.7 133.1



#35
Methylcyclohexane
Concen: 23.844 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 83 Resp: 70348
Ion Ratio Lower Upper
83 100
55 67.3 53.8 80.8
98 53.1 42.1 63.1





#37

1,2-Dichloropropane

Concen: 27.057 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

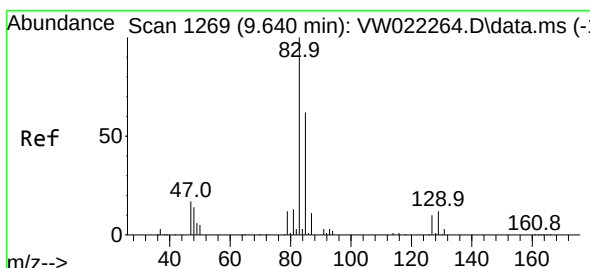
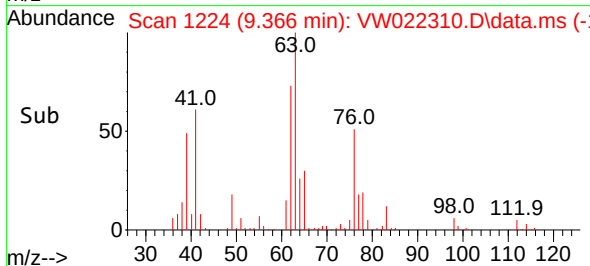
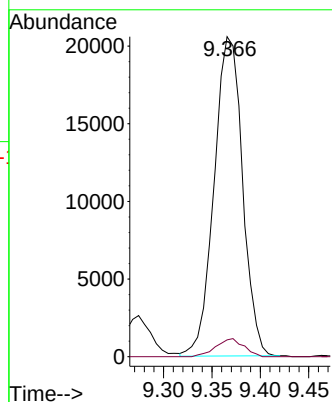
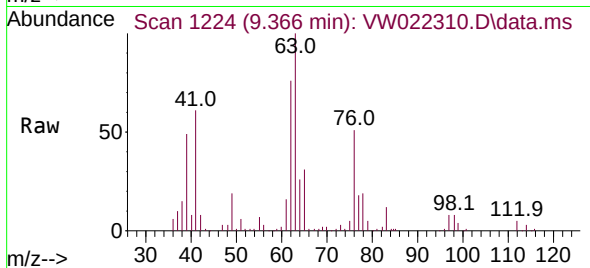
VSTD025583

Tgt Ion: 63 Resp: 42051

Ion Ratio Lower Upper

63 100

112 5.5 4.1 6.1



#38

Bromodichloromethane

Concen: 28.300 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.006 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

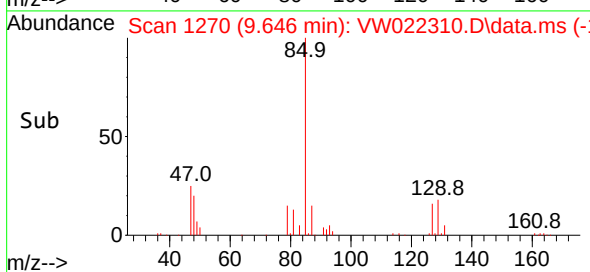
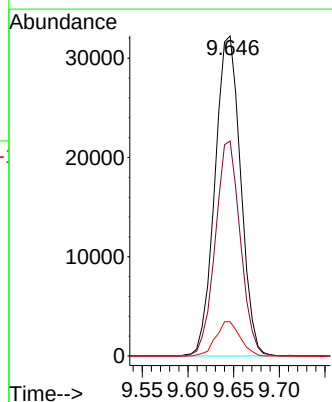
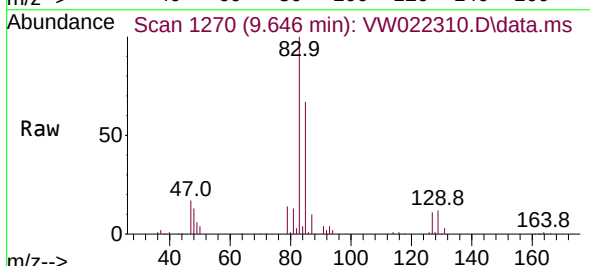
Tgt Ion: 83 Resp: 63073

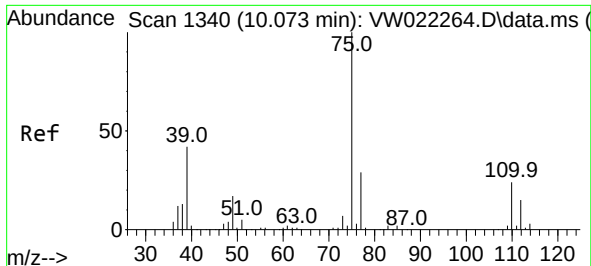
Ion Ratio Lower Upper

83 100

85 67.2 47.9 89.1

127 10.7 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 28.072 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

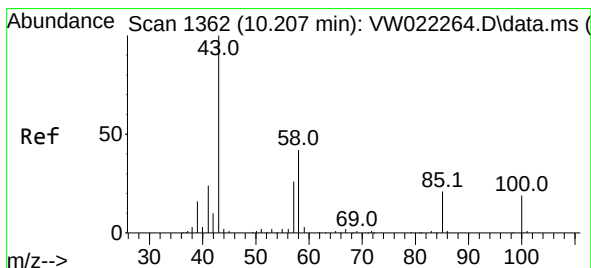
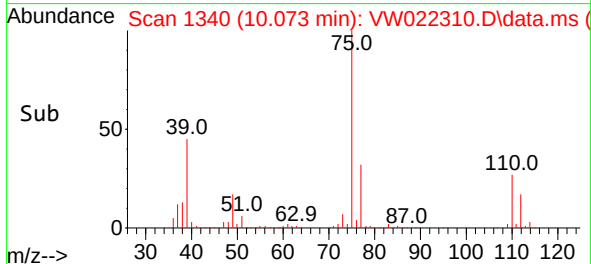
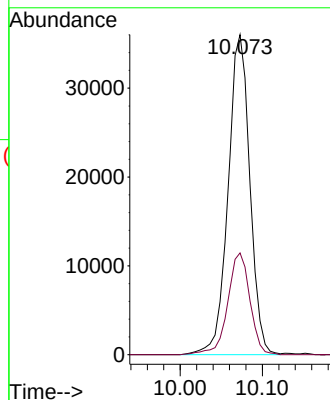
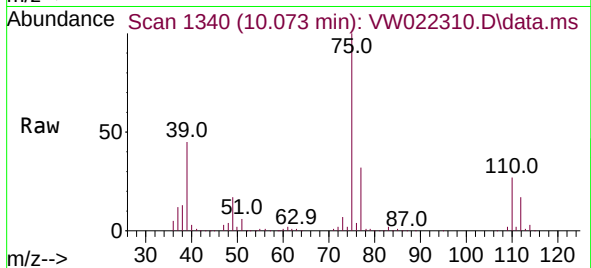
VSTD025583

Tgt Ion: 75 Resp: 66318

Ion Ratio Lower Upper

75 100

77 31.8 20.6 38.2



#40

4-Methyl-2-pentanone

Concen: 52.947 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

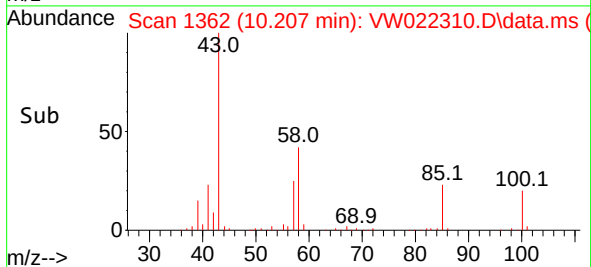
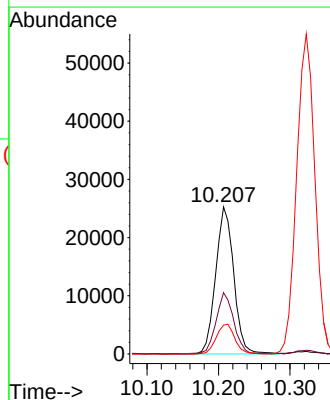
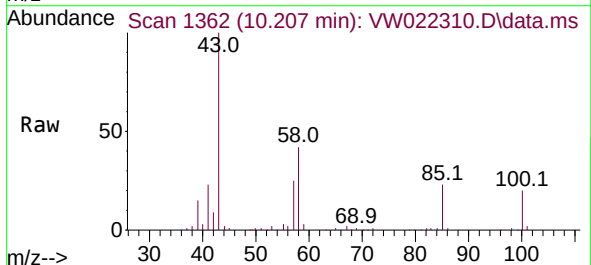
Tgt Ion: 43 Resp: 44438

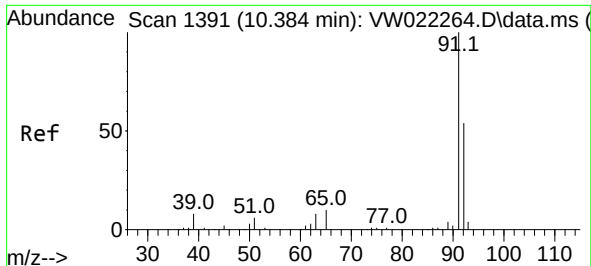
Ion Ratio Lower Upper

43 100

58 40.5 33.2 49.8

100 20.6 16.1 24.1

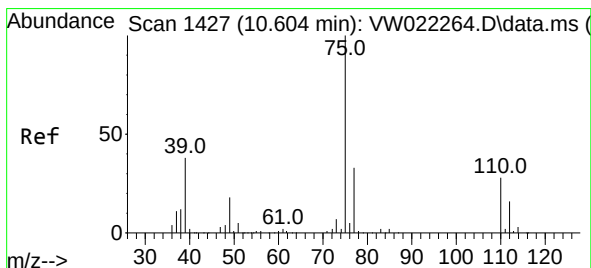
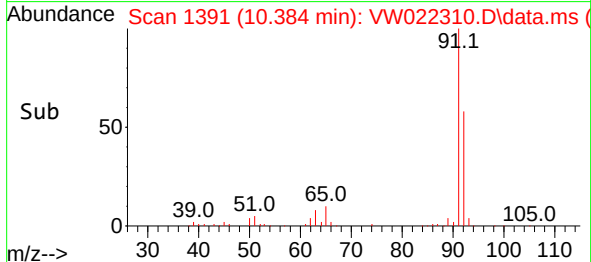
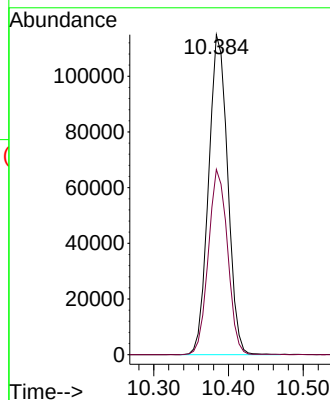
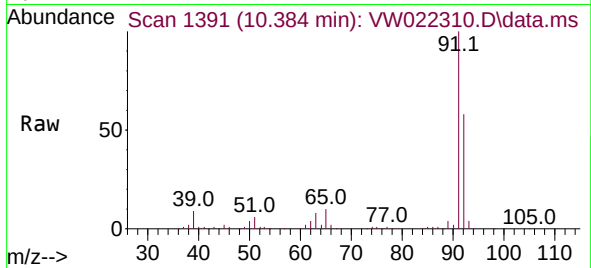




#42
Toluene
Concen: 27.037 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

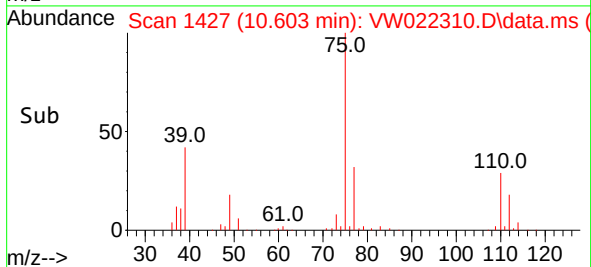
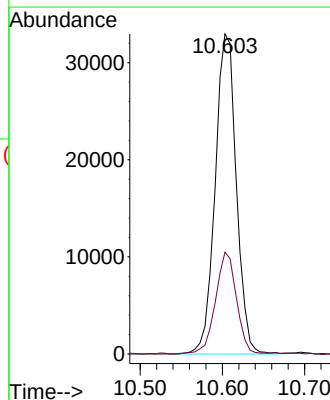
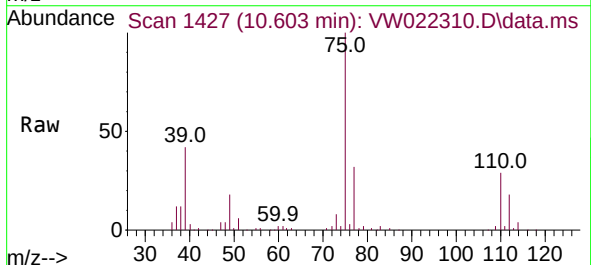
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

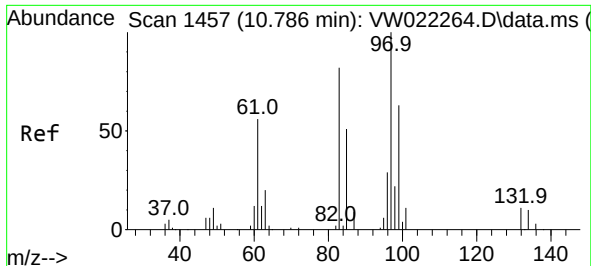
Tgt Ion: 91 Resp: 203855
Ion Ratio Lower Upper
91 100
92 57.9 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 27.763 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 75 Resp: 58939
Ion Ratio Lower Upper
75 100
77 31.8 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 26.662 ug/L

RT: 10.786 min Scan# 14

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

Tgt Ion: 97 Resp: 36744

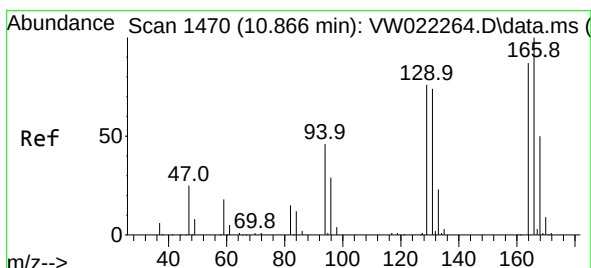
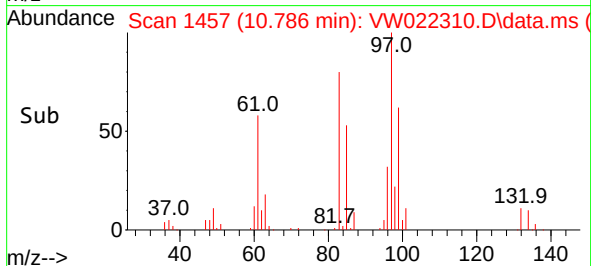
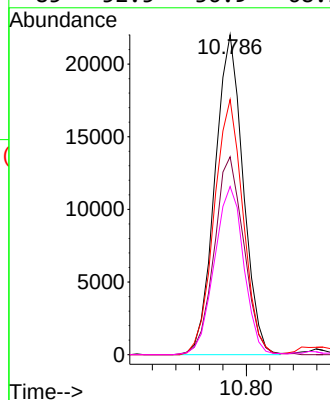
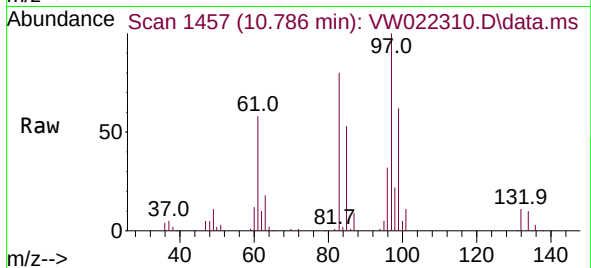
Ion Ratio Lower Upper

97 100

99 61.8 43.5 80.7

83 79.8 53.5 99.3

85 52.5 36.9 68.5



#46

Tetrachloroethene

Concen: 25.363 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Tgt Ion:164 Resp: 42379

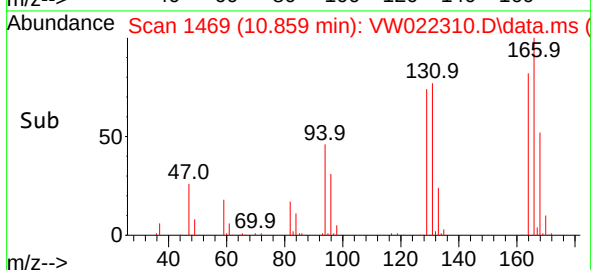
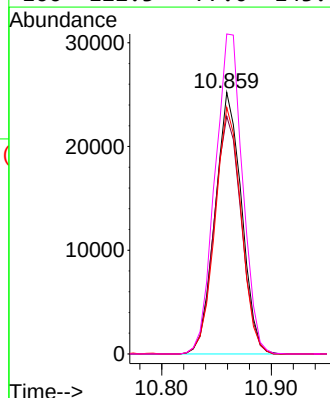
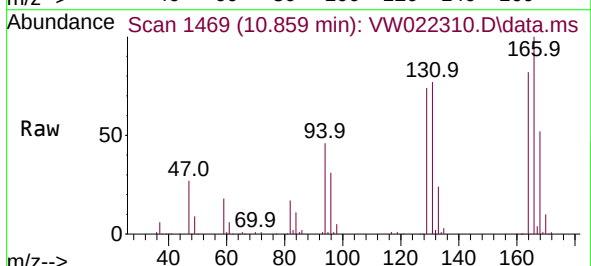
Ion Ratio Lower Upper

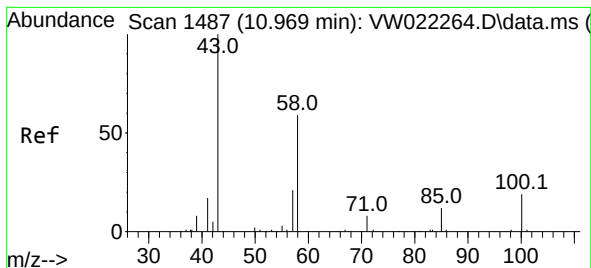
164 100

129 90.9 60.3 111.9

131 94.3 59.9 111.3

166 122.3 77.0 143.0

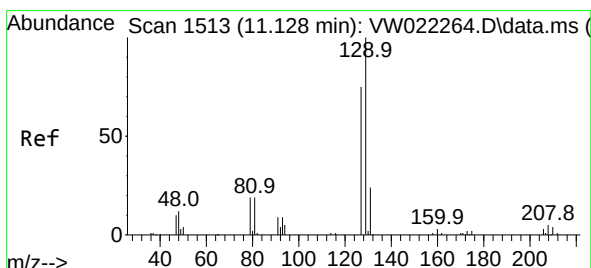
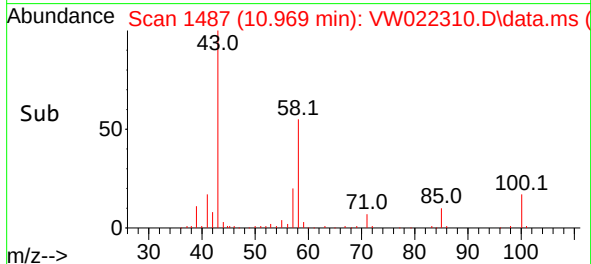
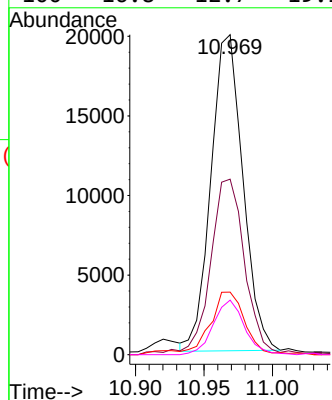
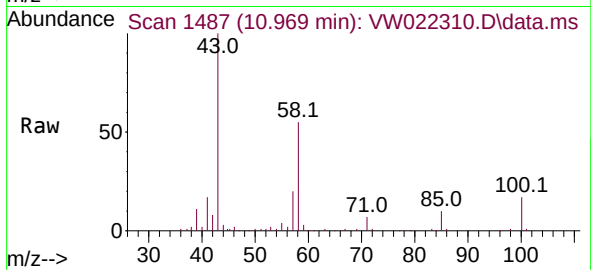




#48
2-Hexanone
Concen: 55.361 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

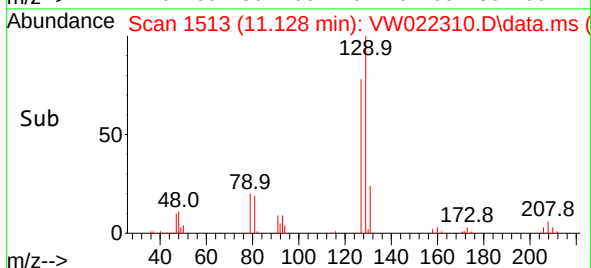
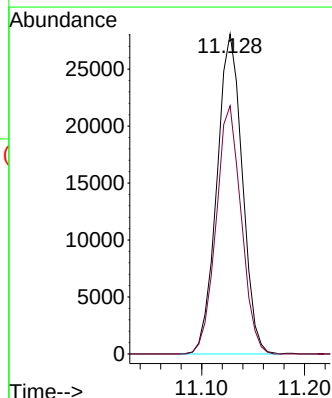
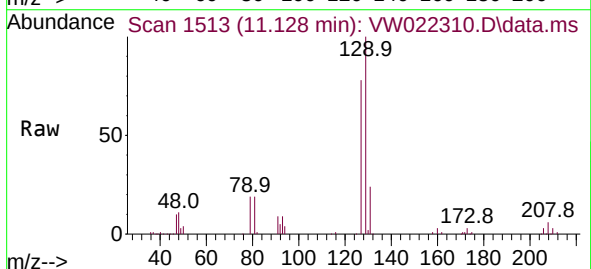
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

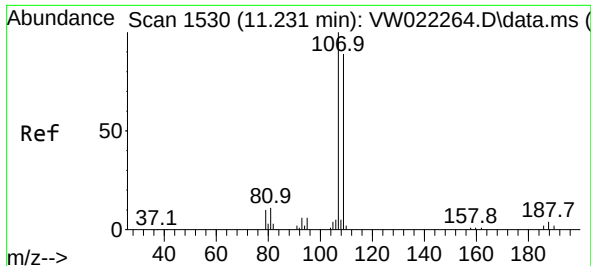
Tgt Ion:	43	Resp:	32249
Ion	Ratio	Lower	Upper
43	100		
58	58.9	44.6	66.8
57	21.2	15.8	23.8
100	16.8	12.7	19.1



#49
Dibromochloromethane
Concen: 28.803 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion:	129	Resp:	48217
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.5	101.1





#50

1,2-Dibromoethane

Concen: 25.559 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

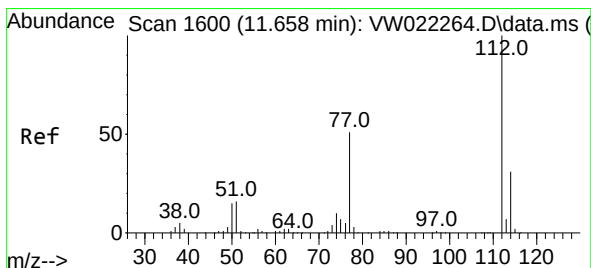
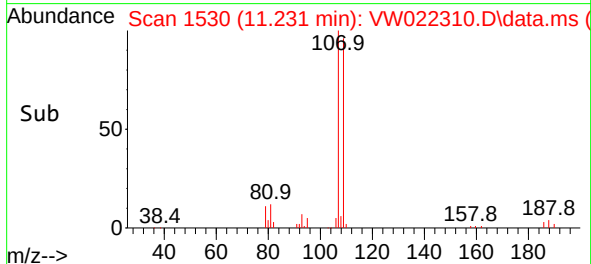
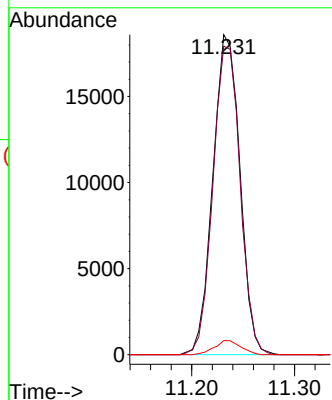
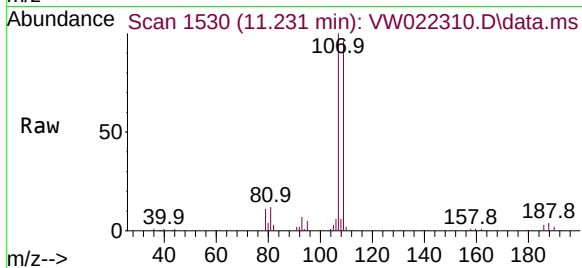
Tgt Ion:107 Resp: 33975

Ion Ratio Lower Upper

107 100

109 96.4 66.8 124.2

188 4.4 2.6 4.0#



#51

Chlorobenzene

Concen: 26.728 ug/L

RT: 11.652 min Scan# 1599

Delta R.T. -0.006 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

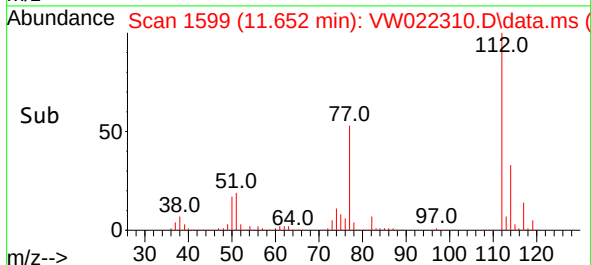
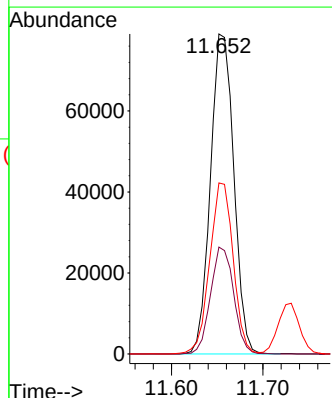
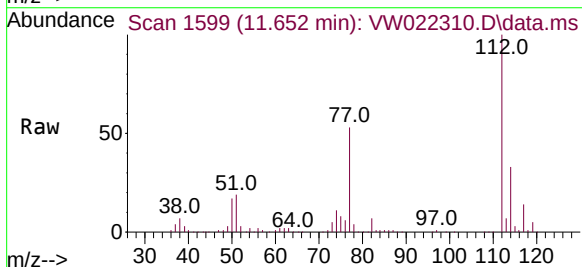
Tgt Ion:112 Resp: 140253

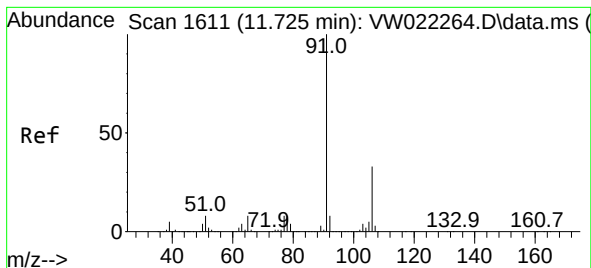
Ion Ratio Lower Upper

112 100

114 33.4 23.0 42.8

77 53.5 41.8 62.6

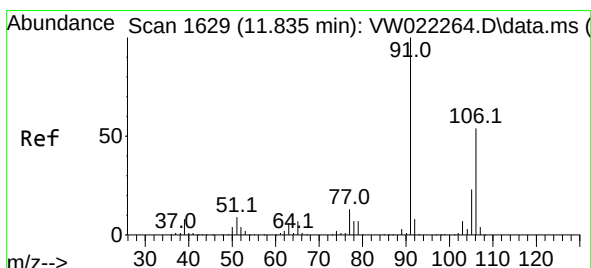
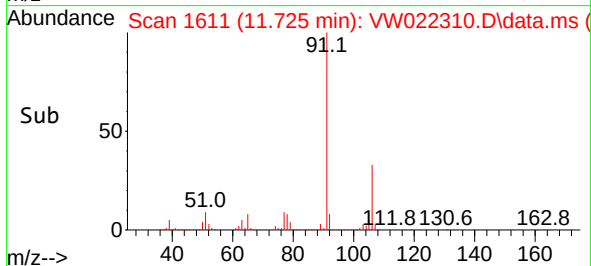
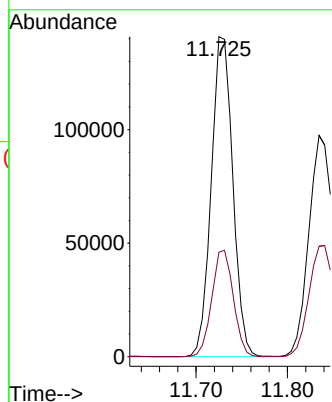
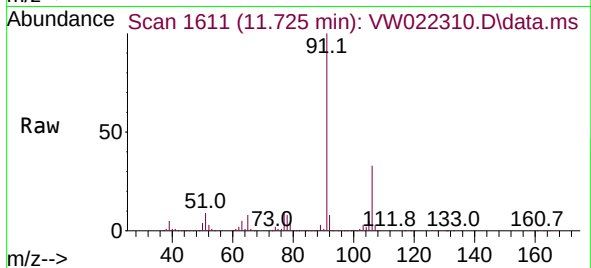




#52
Ethylbenzene
Concen: 27.782 ug/L
RT: 11.725 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

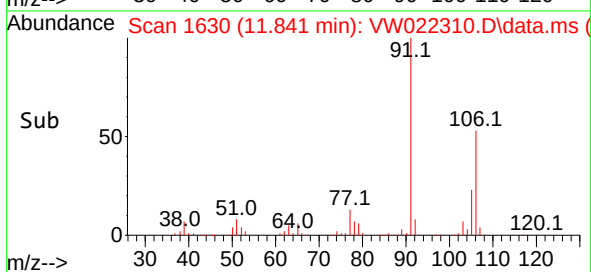
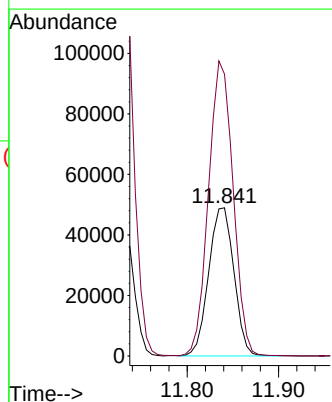
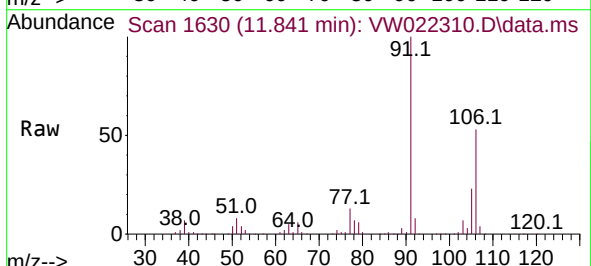
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

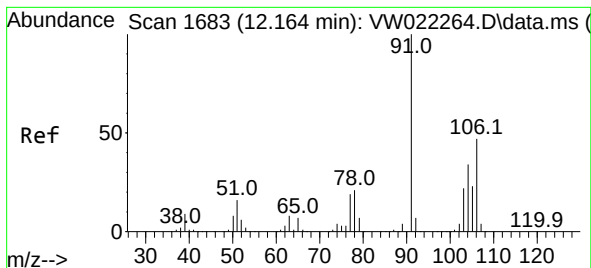
Tgt Ion: 91 Resp: 231829
Ion Ratio Lower Upper
91 100
106 32.6 22.8 42.4



#53
m,p-Xylene
Concen: 27.382 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion: 106 Resp: 94018
Ion Ratio Lower Upper
106 100
91 190.2 135.0 250.8





#54

o-Xylene

Concen: 27.754 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

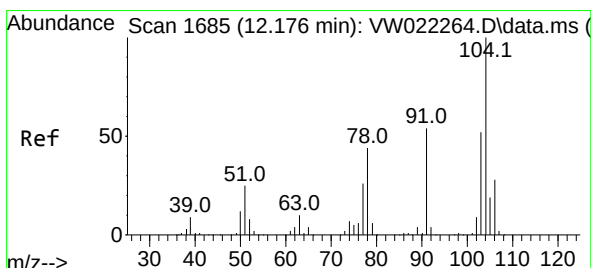
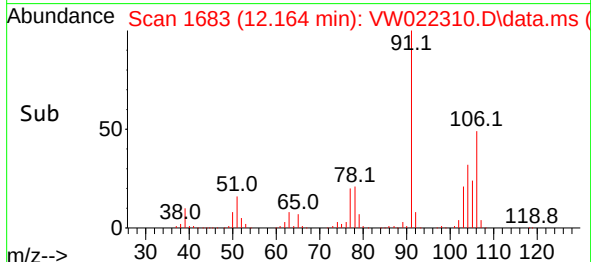
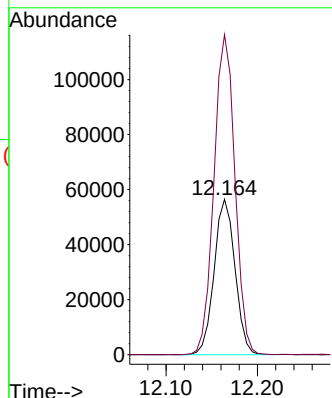
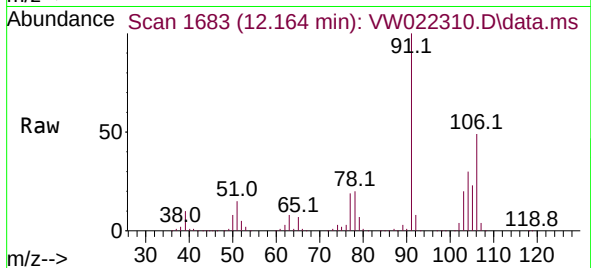
VSTD025583

Tgt Ion:106 Resp: 89665

Ion Ratio Lower Upper

106 100

91 206.1 136.9 254.3



#55

Styrene

Concen: 29.147 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VW022310.D

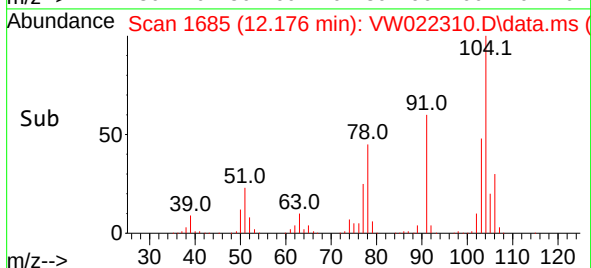
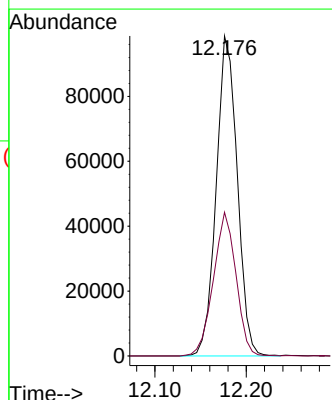
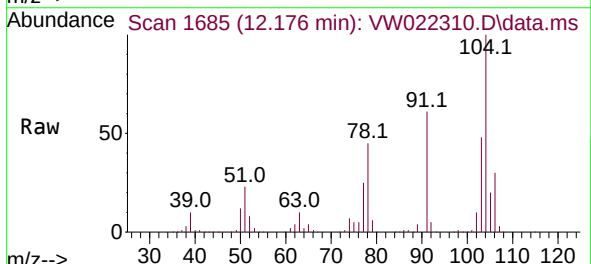
Acq: 14 Mar 2022 08:51

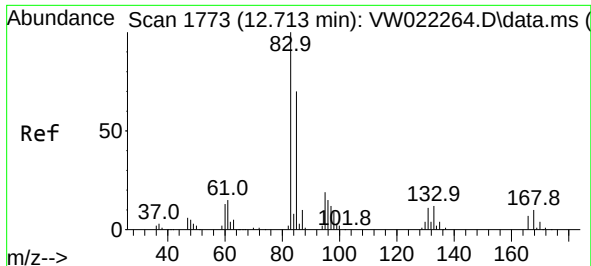
Tgt Ion:104 Resp: 157865

Ion Ratio Lower Upper

104 100

78 44.9 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 26.977 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

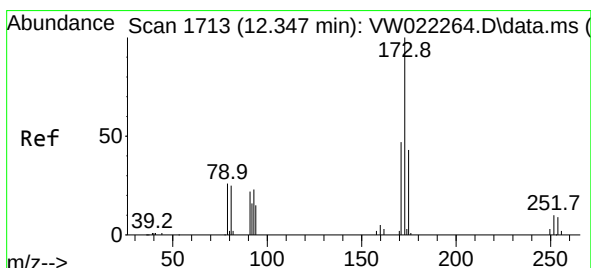
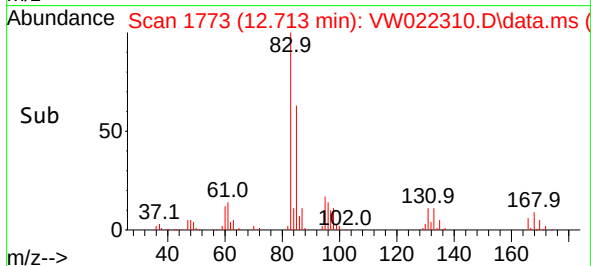
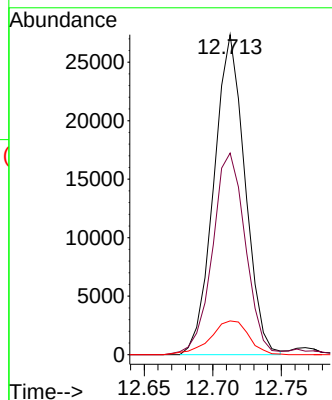
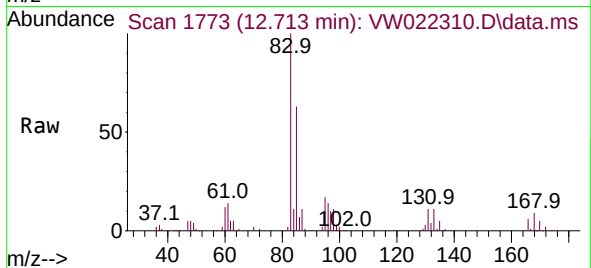
Tgt Ion: 83 Resp: 43137

Ion Ratio Lower Upper

83 100

85 63.0 44.2 82.0

131 10.5 9.4 14.0



#59

Bromoform

Concen: 24.794 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

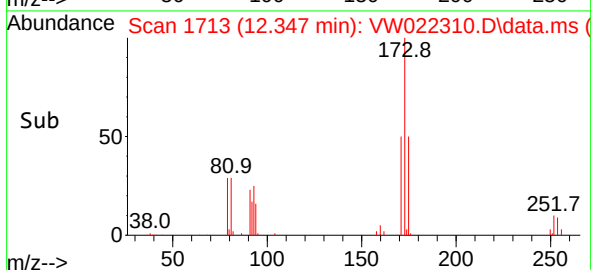
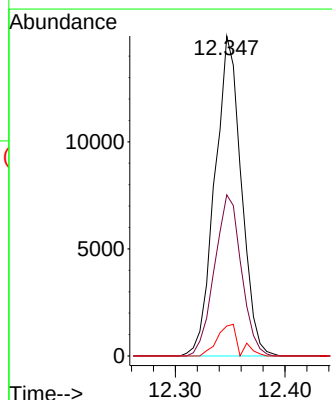
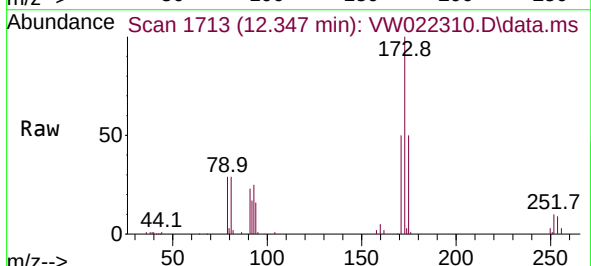
Tgt Ion:173 Resp: 25031

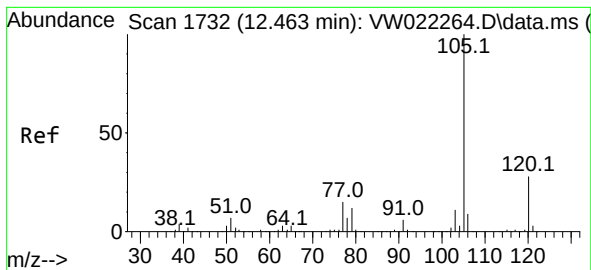
Ion Ratio Lower Upper

173 100

175 51.2 38.2 57.4

254 6.8 5.0 7.6





#60

Isopropylbenzene

Concen: 27.796 ug/L

RT: 12.463 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

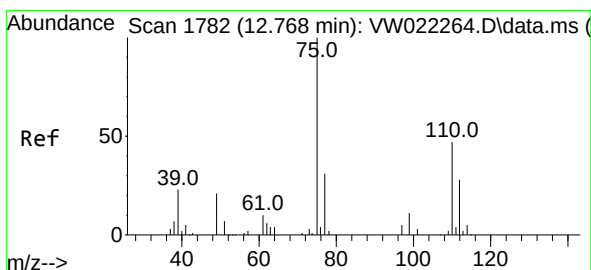
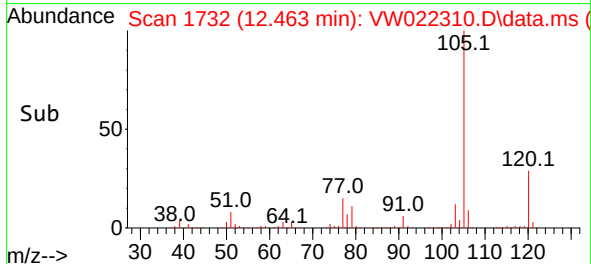
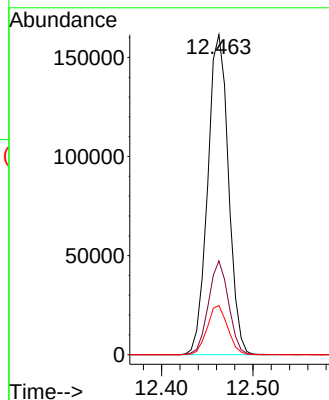
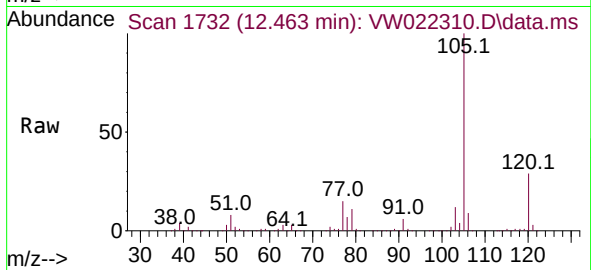
Tgt Ion:105 Resp: 254735

Ion Ratio Lower Upper

105 100

120 28.4 22.1 33.1

77 15.2 12.0 18.0



#61

1,2,3-Trichloropropane

Concen: 25.139 ug/L

RT: 12.767 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

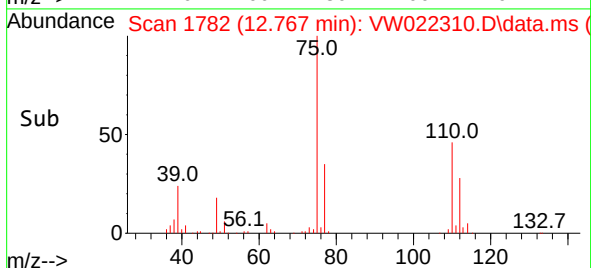
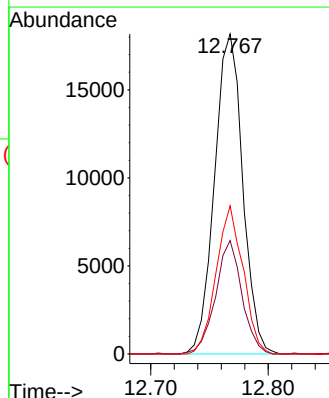
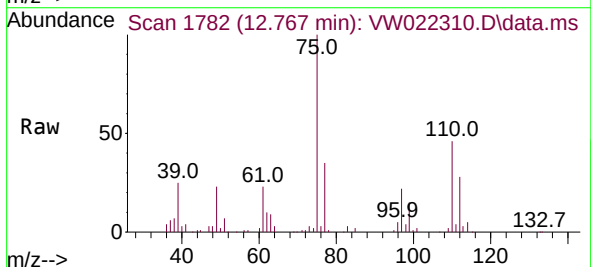
Tgt Ion: 75 Resp: 30291

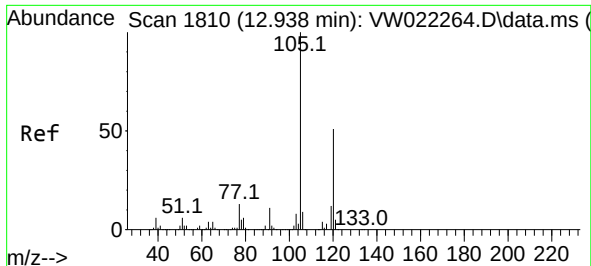
Ion Ratio Lower Upper

75 100

77 33.2 27.1 40.7

110 44.1 36.7 55.1





#62

1,3,5-Trimethylbenzene

Concen: 28.169 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

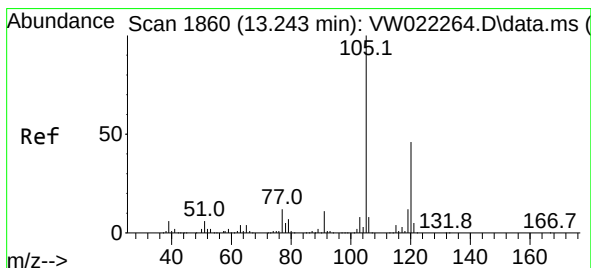
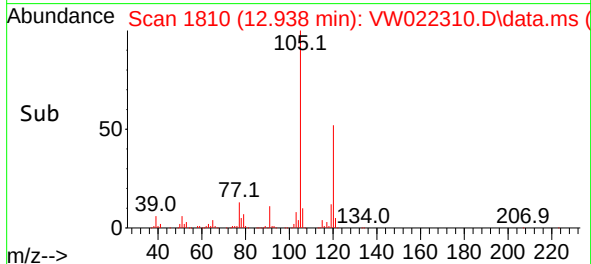
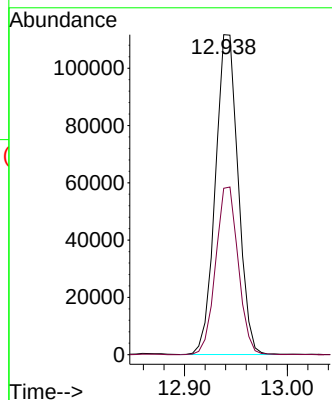
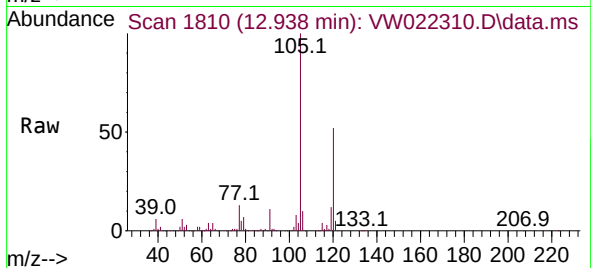
VSTD025583

Tgt Ion:105 Resp: 171659

Ion Ratio Lower Upper

105 100

120 52.1 41.5 62.3



#63

1,2,4-Trimethylbenzene

Concen: 28.530 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW022310.D

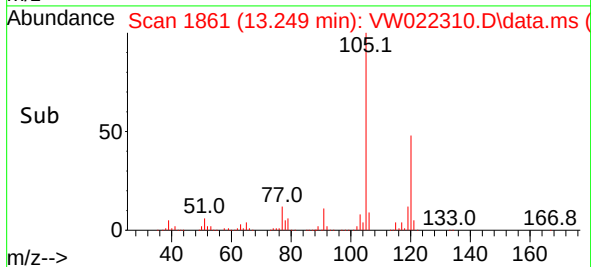
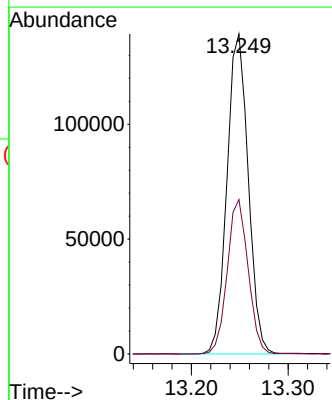
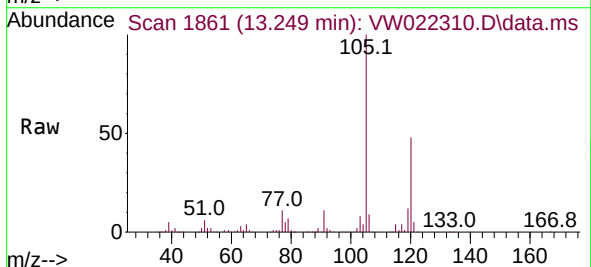
Acq: 14 Mar 2022 08:51

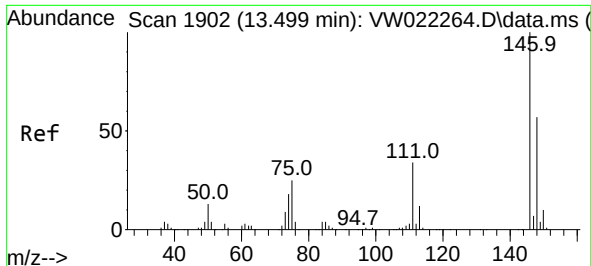
Tgt Ion:105 Resp: 212478

Ion Ratio Lower Upper

105 100

120 47.5 39.2 58.8

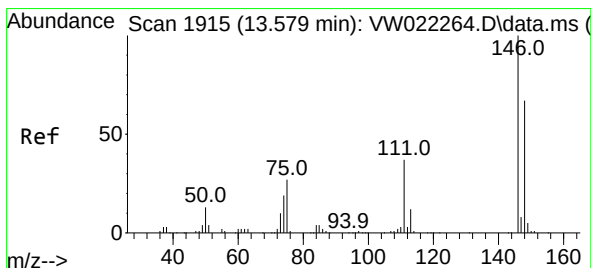
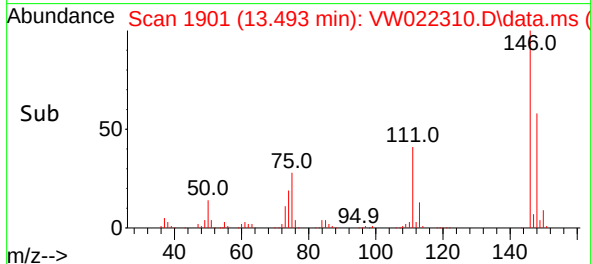
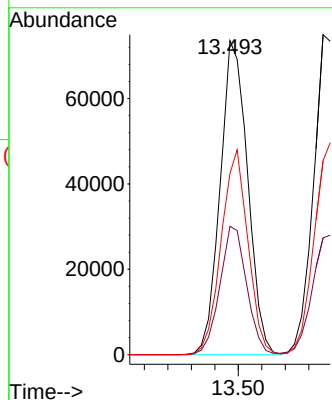
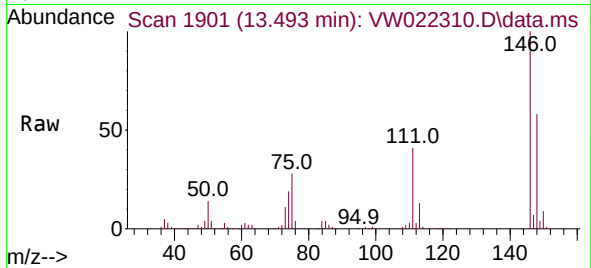




#64
1,3-Dichlorobenzene
Concen: 26.272 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

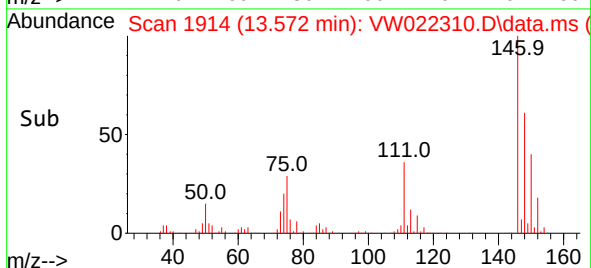
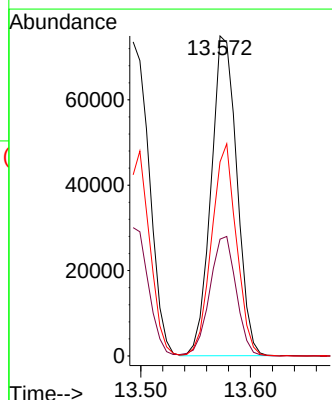
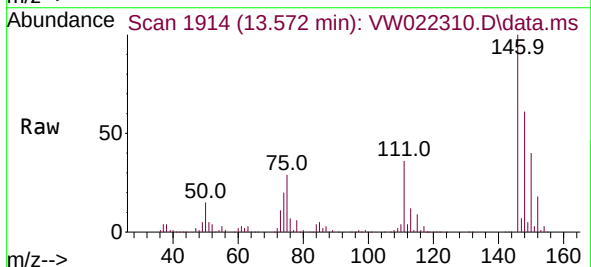
Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

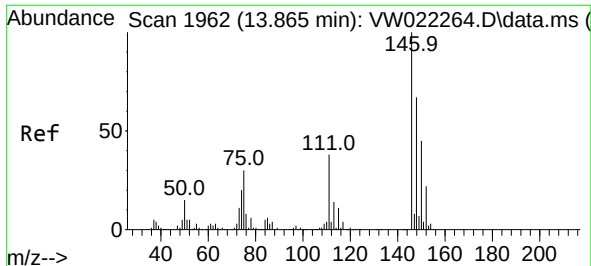
Tgt Ion:146 Resp: 119437
Ion Ratio Lower Upper
146 100
111 40.9 26.9 49.9
148 57.6 41.6 77.2



#65
1,4-Dichlorobenzene
Concen: 26.912 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VW022310.D
Acq: 14 Mar 2022 08:51

Tgt Ion:146 Resp: 122606
Ion Ratio Lower Upper
146 100
111 36.5 27.5 51.1
148 60.6 42.9 79.7





#67

1,2-Dichlorobenzene

Concen: 26.932 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

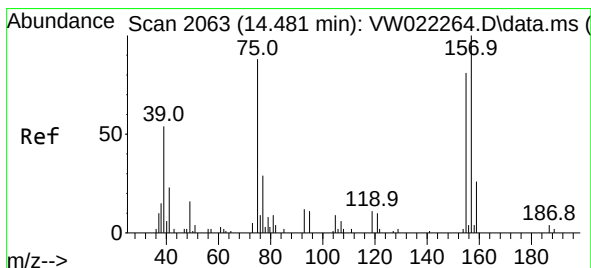
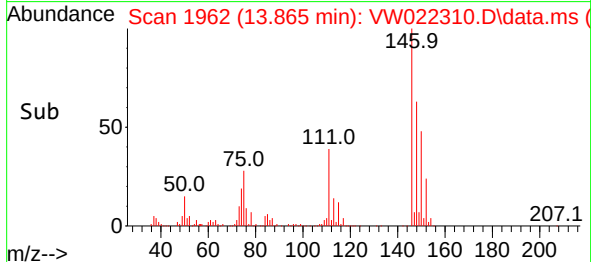
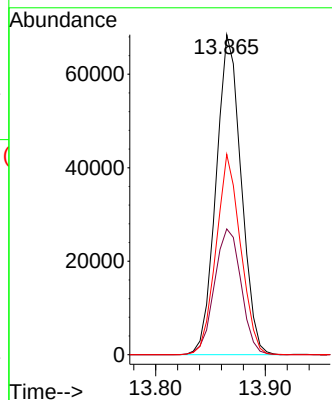
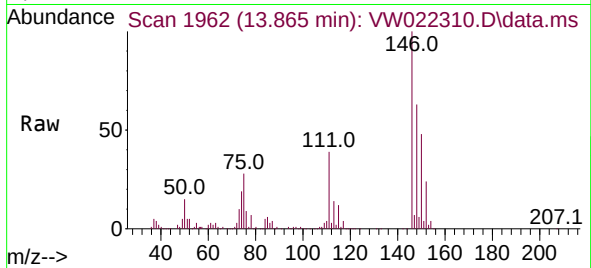
Tgt Ion:146 Resp: 108857

Ion Ratio Lower Upper

146 100

111 39.3 34.8 52.2

148 62.6 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 24.333 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.006 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

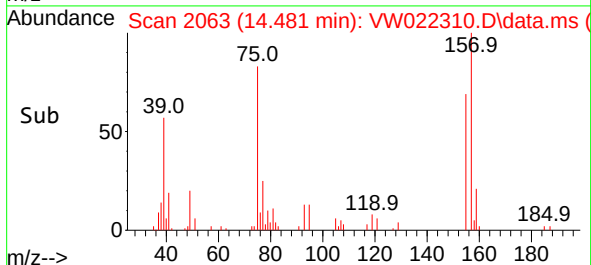
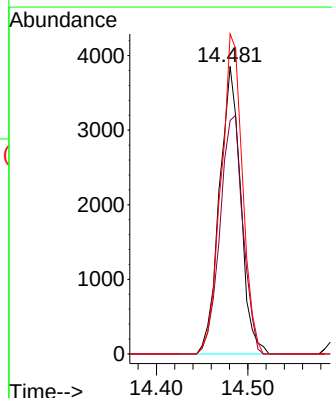
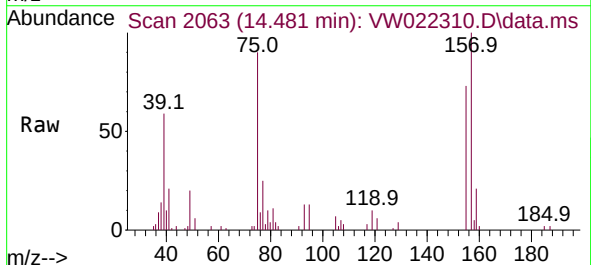
Tgt Ion: 75 Resp: 6198

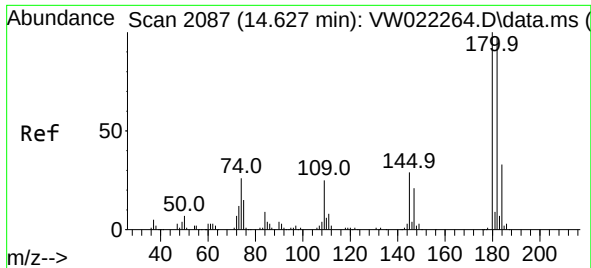
Ion Ratio Lower Upper

75 100

155 81.2 58.2 87.2

157 111.3 80.5 120.7

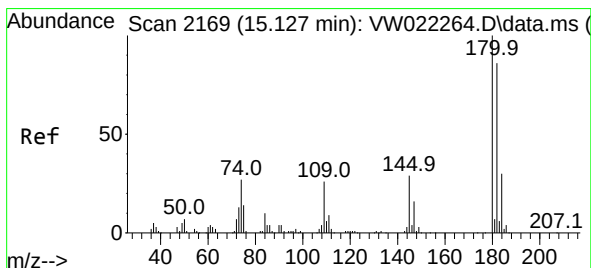
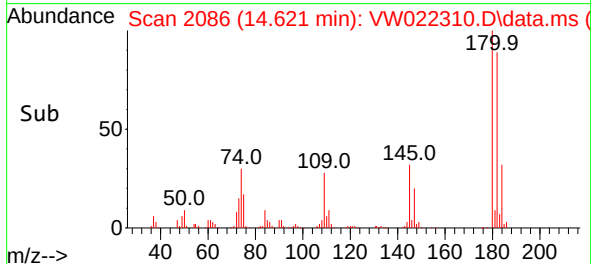
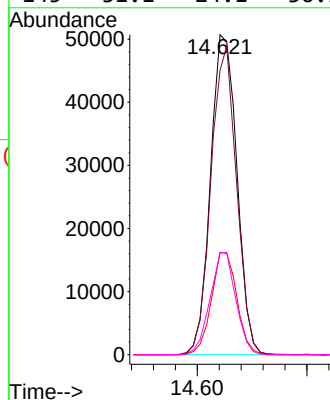
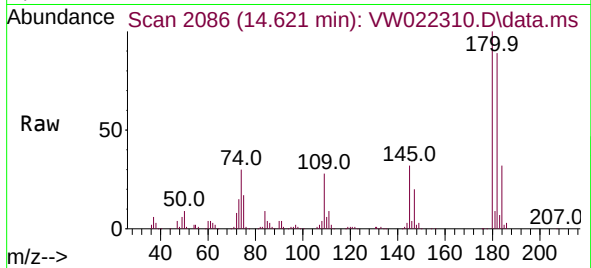




#69
 1,3,5-Trichlorobenzene
 Concen: 25.965 ug/L
 RT: 14.621 min Scan# 2086
 Delta R.T. -0.006 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

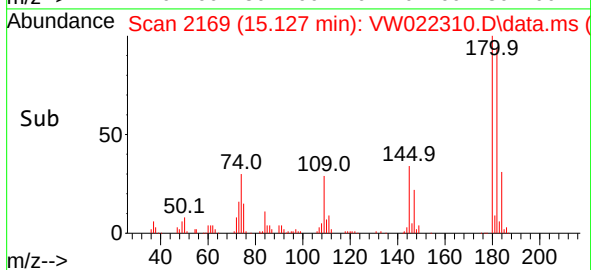
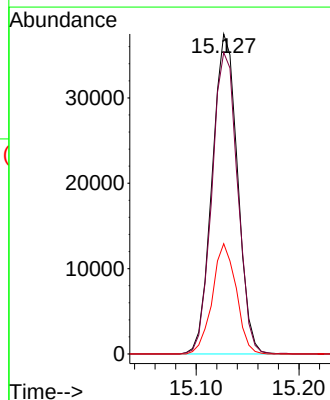
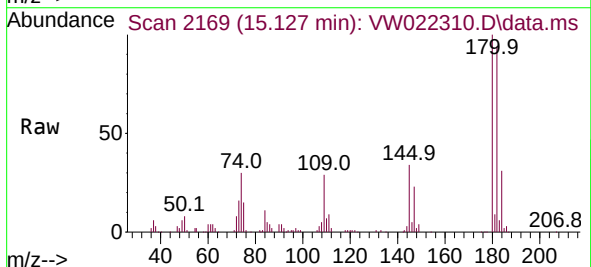
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025583

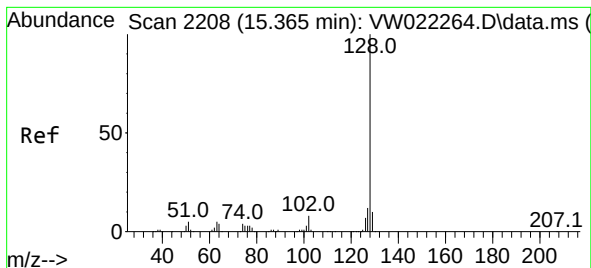
Tgt Ion:180	Resp:	84723
Ion Ratio	Lower	Upper
180	100	
182	93.4	69.4 104.0
184	30.8	21.8 32.8
145	31.1	24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 25.999 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. -0.000 min
 Lab File: VW022310.D
 Acq: 14 Mar 2022 08:51

Tgt Ion:180	Resp:	64189
Ion Ratio	Lower	Upper
180	100	
182	95.0	77.8 116.6
145	32.4	25.8 38.6





#71

Naphthalene

Concen: 24.946 ug/L

RT: 15.358 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Instrument :

MSVOA_W

ClientSampleId :

VSTD025583

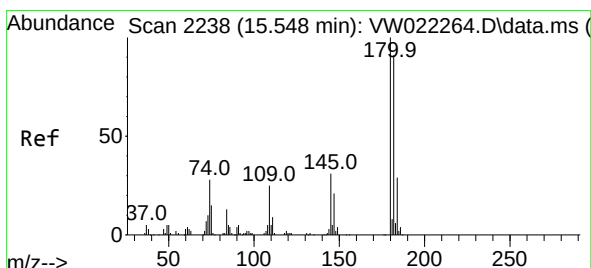
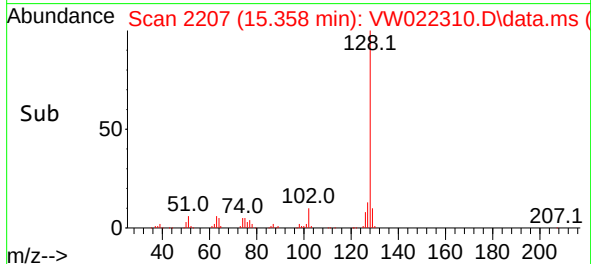
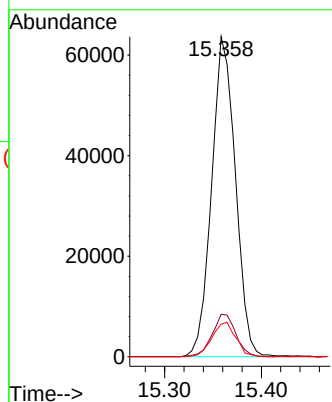
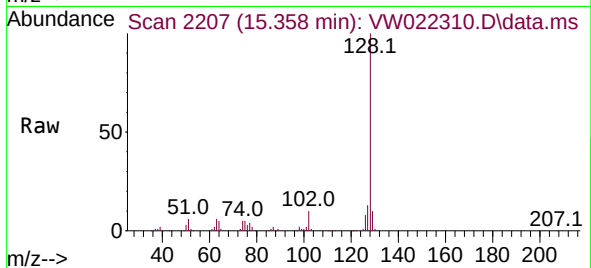
Tgt Ion:128 Resp: 108724

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.6

129 10.8 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 25.375 ug/L

RT: 15.547 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW022310.D

Acq: 14 Mar 2022 08:51

Tgt Ion:180 Resp: 54187

Ion Ratio Lower Upper

180 100

182 102.5 79.0 118.4

145 33.9 28.0 42.0

