

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010323\
 Data File : VW025214.D
 Acq On : 03 Jan 2023 12:40
 Operator : SY/MD
 Sample : VSTD2.579
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5479

Quant Time: Jan 04 00:36:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM010323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jan 04 00:35:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	604497	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	527190	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	214221	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	18320	2.610	ug/L	0.00
7) Chloroethane-d5	2.891	69	11320	2.560	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.013	63	40036	2.605	ug/L	0.00
21) 2-Butanone-d5	7.086	46	9200	5.173	ug/L	0.01
24) Chloroform-d	7.646	84	38035	2.510	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.311	65	21034	2.695	ug/L	0.00
32) Benzene-d6	8.274	84	79814	2.521	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	23339	2.520	ug/L	0.00
41) Toluene-d8	10.323	98	71901	2.496	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	9547	2.408	ug/L	0.00
47) 2-Hexanone-d5	10.920	63	7477	5.124	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	15046	2.323	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	20503	2.694	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.007	85	12057	3.516	ug/L	94
3) Chloromethane	2.215	50	17364	2.873	ug/L	98
5) Vinyl chloride	2.361	62	21730	2.819	ug/L	89
6) Bromomethane	2.782	94	11957	2.955	ug/L	87
8) Chloroethane	2.922	64	10031	2.792	ug/L	95
9) Trichlorofluoromethane	3.263	101	13971	2.617	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	21111	2.717	ug/L #	75
12) 1,1-Dichloroethene	4.031	96	19903	2.656	ug/L	96
13) Acetone	4.123	43	14779	7.105	ug/L	100
14) Carbon disulfide	4.379	76	67757	2.729	ug/L	100
15) Methyl Acetate	4.671	43	9043	3.009	ug/L #	78
16) Methylene chloride	4.915	84	34503	3.690	ug/L	97
17) trans-1,2-Dichloroethene	5.421	96	21431	2.670	ug/L	96
18) Methyl tert-butyl Ether	5.427	73	31183	2.771	ug/L #	81
19) 1,1-Dichloroethane	6.208	63	37871	2.682	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	22043	2.642	ug/L	99
22) 2-Butanone	7.177	43	14411	6.235	ug/L	81
23) Bromochloromethane	7.512	128	9430	2.708	ug/L	97
25) Chloroform	7.671	83	37392	2.693	ug/L	91
27) 1,2-Dichloroethane	8.396	62	23465	2.731	ug/L	96
29) Cyclohexane	7.951	56	36238	2.608	ug/L	98
30) 1,1,1-Trichloroethane	7.872	97	30900	2.639	ug/L	98
31) Carbon tetrachloride	8.073	117	28475	2.670	ug/L	100
33) Benzene	8.323	78	85590	2.686	ug/L	100
34) Trichloroethene	9.091	95	22272	2.680	ug/L	97
35) Methylcyclohexane	9.329	83	40096	2.659	ug/L	99
37) 1,2-Dichloropropane	9.372	63	21187	2.704	ug/L	99
38) Bromodichloromethane	9.646	83	26191	2.674	ug/L #	99
39) cis-1,3-Dichloropropene	10.073	75	29978	2.508	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	22551	5.514	ug/L	98
42) Toluene	10.384	91	88572	2.642	ug/L	92
44) trans-1,3-Dichloropropene	10.609	75	26867	2.627	ug/L	100

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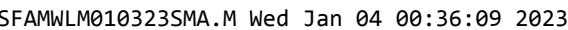
Quant Time: Jan 04 00:36:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM010323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jan 04 00:35:18 2023
 Response via : Initial Calibration

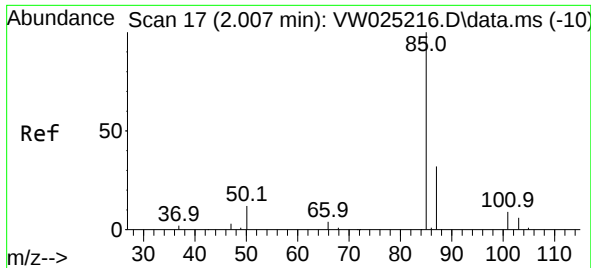
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.786	97	15090	2.776	ug/L	93
46) Tetrachloroethene	10.859	164	16993	2.783	ug/L	89
48) 2-Hexanone	10.969	43	17966	5.728	ug/L	96
49) Dibromochloromethane	11.128	129	16601	2.617	ug/L	99
50) 1,2-Dibromoethane	11.231	107	13952	2.713	ug/L #	98
51) Chlorobenzene	11.658	112	56225	2.686	ug/L	96
52) Ethylbenzene	11.725	91	98407	2.634	ug/L	98
53) m,p-Xylene	11.841	106	37859	2.622	ug/L	92
54) o-Xylene	12.164	106	30417	2.289	ug/L	94
55) Styrene	12.182	104	52775	2.337	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.713	83	14469	2.387	ug/L #	99
59) Bromoform	12.347	173	7775	2.752	ug/L	100
60) Isopropylbenzene	12.463	105	81303	2.519	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	10829	2.710	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	66028	2.413	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	66482	2.463	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	35665	2.703	ug/L	98
65) 1,4-Dichlorobenzene	13.572	146	34920	2.671	ug/L	92
67) 1,2-Dichlorobenzene	13.865	146	31489	2.765	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	2765	3.089	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.627	180	30240	3.217	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	24701	3.094	ug/L	96
71) Naphthalene	15.359	128	47071	3.009	ug/L	98
72) 1,2,3-Trichlorobenzene	15.548	180	20447	2.986	ug/L	96

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

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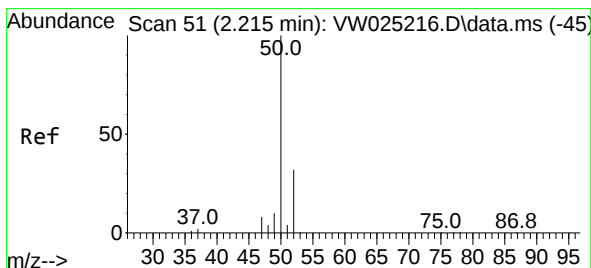
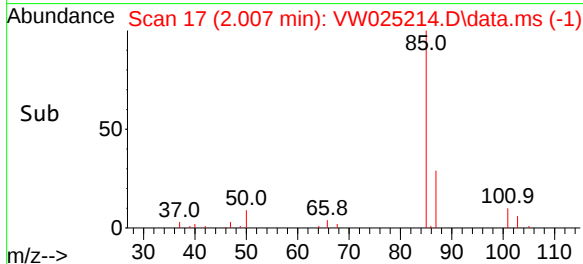
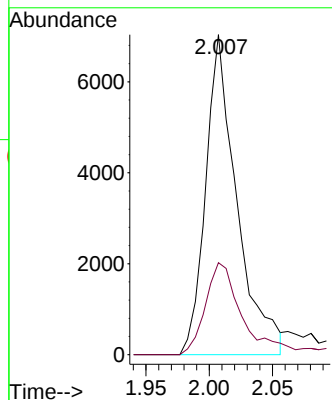
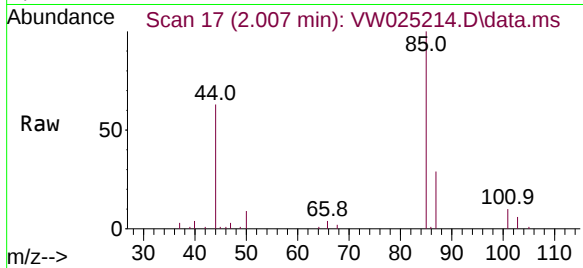




#2
 Dichlorodifluoromethane
 Concen: 3.516 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW025214.D
 Acq: 03 Jan 2023 12:40

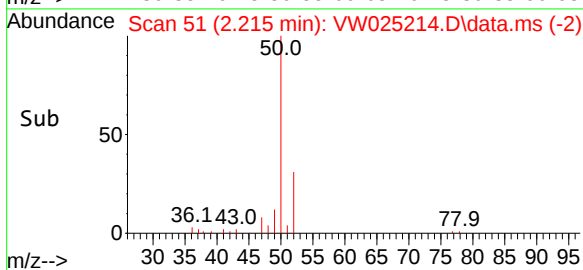
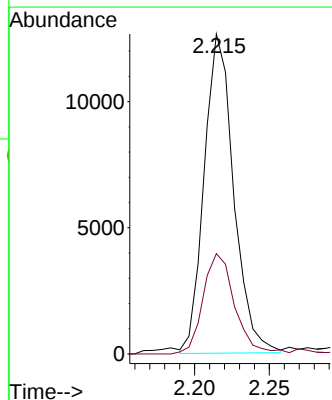
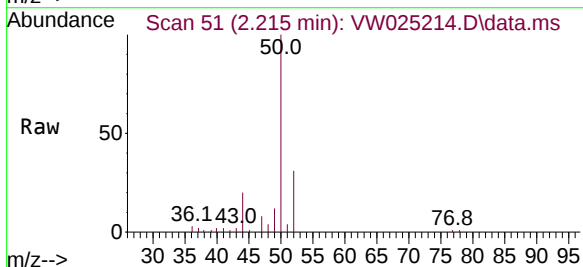
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5479

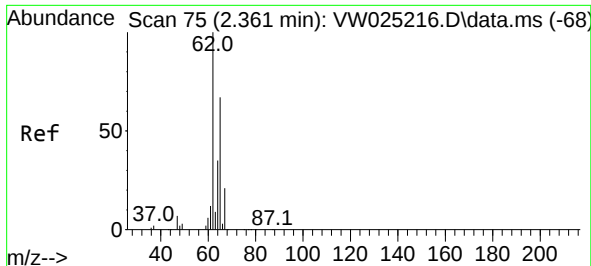
Tgt Ion: 85 Resp: 12057
 Ion Ratio Lower Upper
 85 100
 87 29.9 26.6 39.8



#3
 Chloromethane
 Concen: 2.873 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW025214.D
 Acq: 03 Jan 2023 12:40

Tgt Ion: 50 Resp: 17364
 Ion Ratio Lower Upper
 50 100
 52 31.3 22.7 42.1

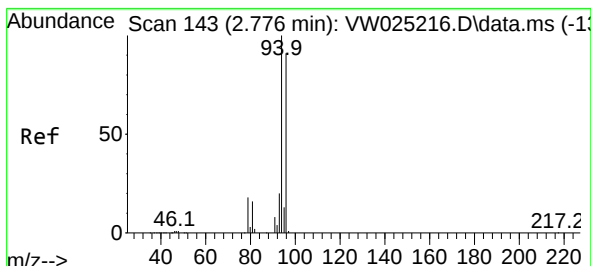
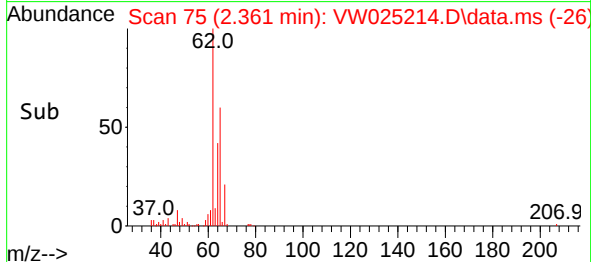
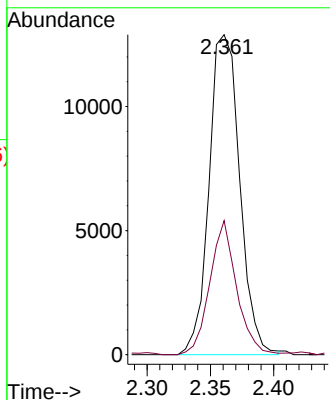
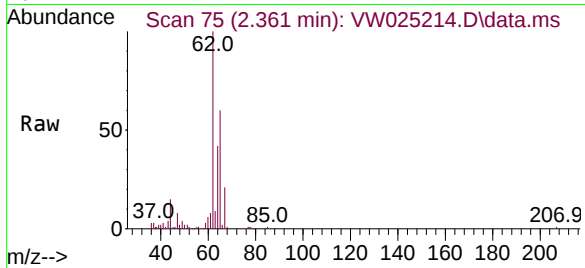




#5
 Vinyl chloride
 Concen: 2.819 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW025214.D
 Acq: 03 Jan 2023 12:40

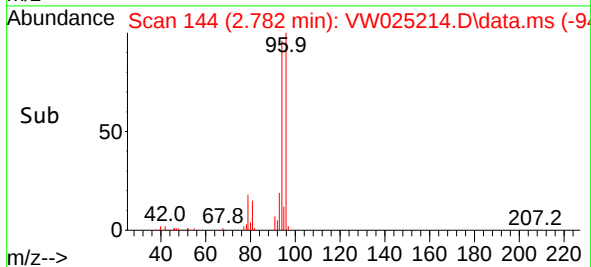
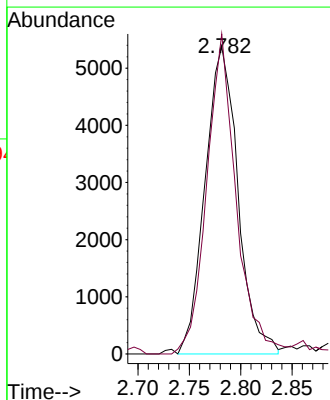
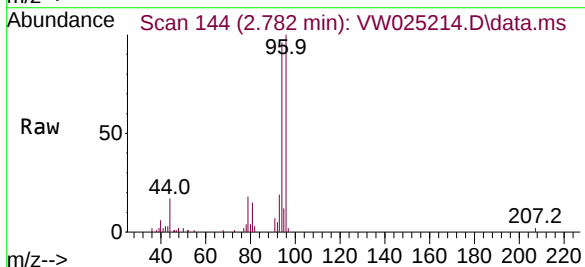
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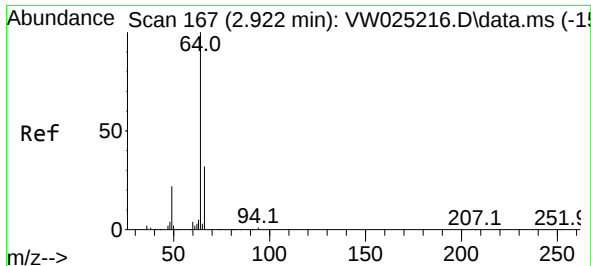
Tgt Ion: 62 Resp: 21730
 Ion Ratio Lower Upper
 62 100
 64 41.9 24.8 46.1



#6
 Bromomethane
 Concen: 2.955 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. 0.006 min
 Lab File: VW025214.D
 Acq: 03 Jan 2023 12:40

Tgt Ion: 94 Resp: 11957
 Ion Ratio Lower Upper
 94 100
 96 104.1 63.9 118.7

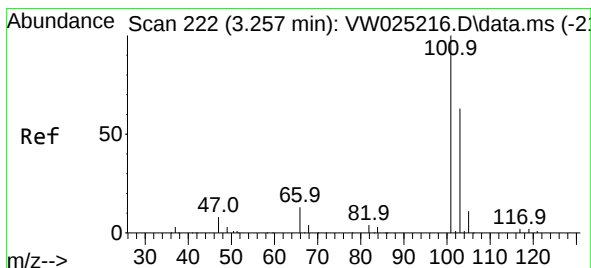
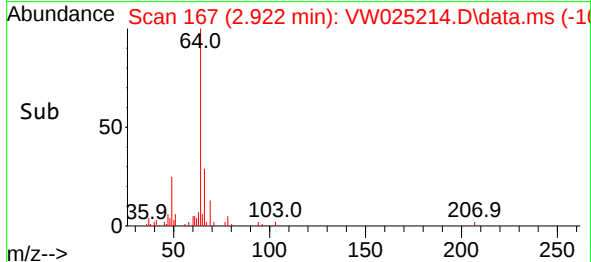
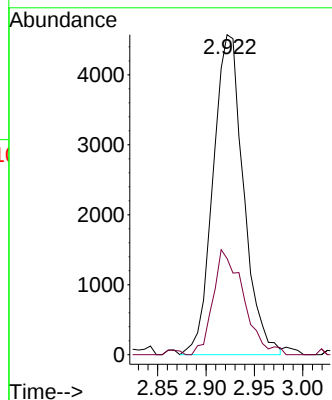
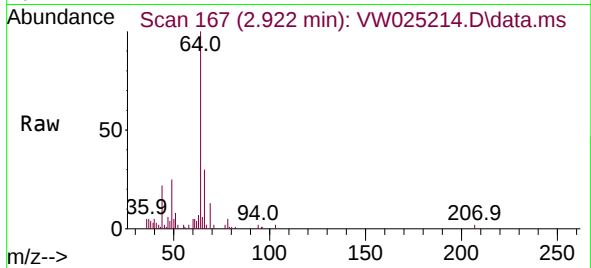




#8
Chloroethane
Concen: 2.792 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

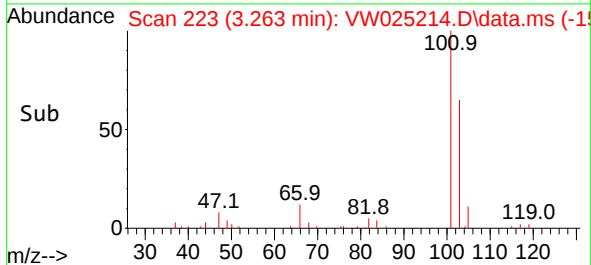
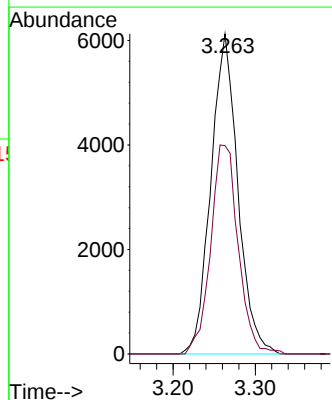
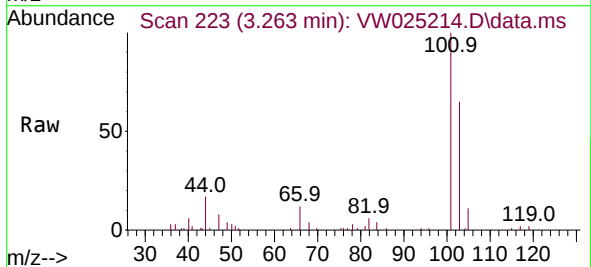
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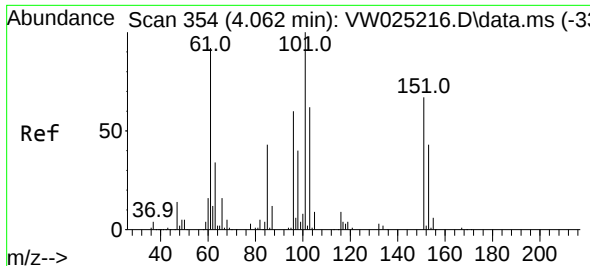
Tgt Ion: 64 Resp: 10031
Ion Ratio Lower Upper
64 100
66 30.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 2.617 ug/L
RT: 3.263 min Scan# 223
Delta R.T. 0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 101 Resp: 13971
Ion Ratio Lower Upper
101 100
103 66.6 51.5 77.3

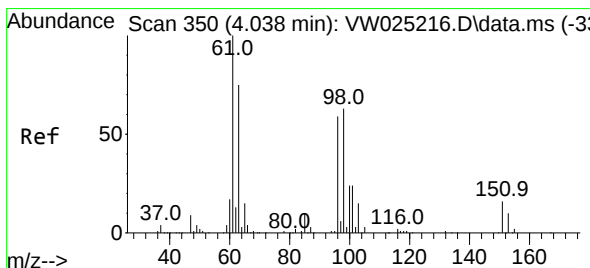
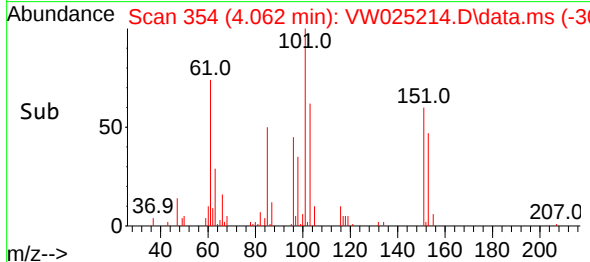
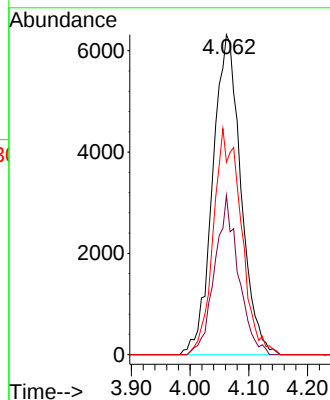
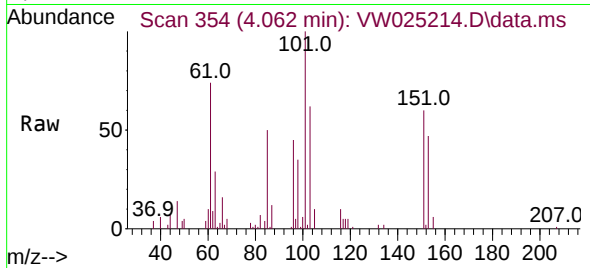




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.717 ug/L
 RT: 4.062 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VW025214.D
 Acq: 03 Jan 2023 12:40

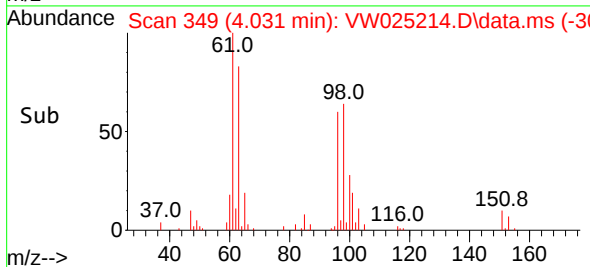
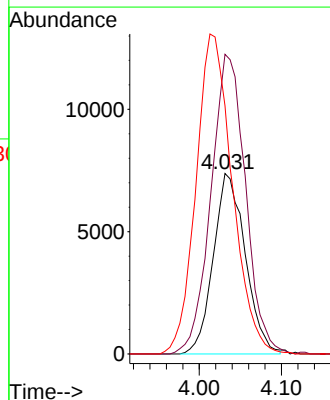
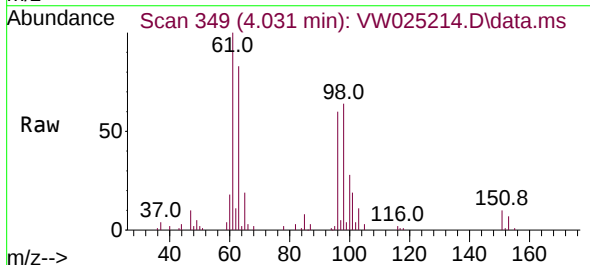
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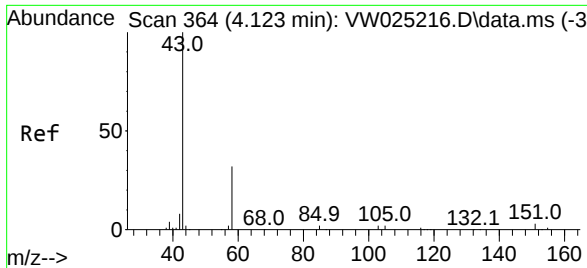
Tgt Ion:101 Resp: 21111
 Ion Ratio Lower Upper
 101 100
 85 41.9 33.8 50.8
 151 35.3 54.6 82.0#



#12
 1,1-Dichloroethene
 Concen: 2.656 ug/L
 RT: 4.031 min Scan# 349
 Delta R.T. -0.006 min
 Lab File: VW025214.D
 Acq: 03 Jan 2023 12:40

Tgt Ion: 96 Resp: 19903
 Ion Ratio Lower Upper
 96 100
 61 166.0 119.3 221.5
 63 137.5 91.3 169.6

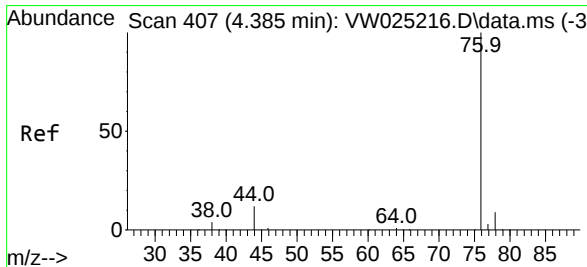
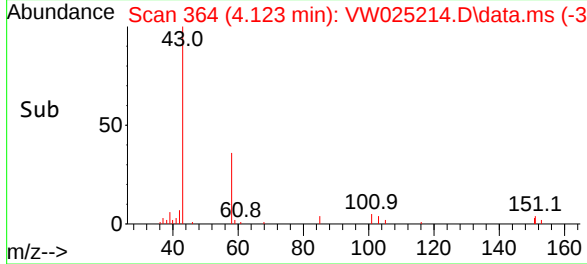
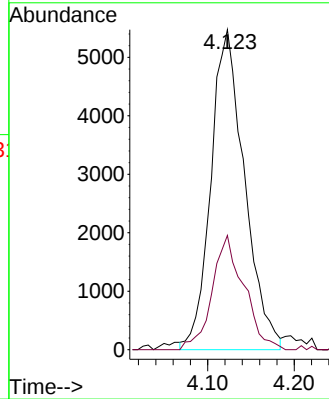
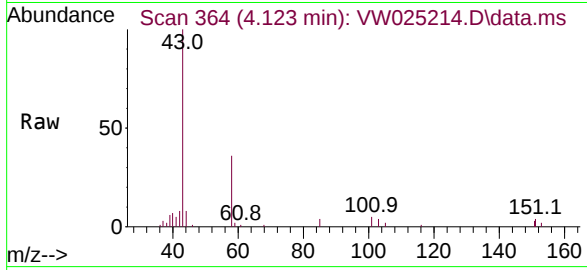




#13
Acetone
Concen: 7.105 ug/L
RT: 4.123 min Scan# 364
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

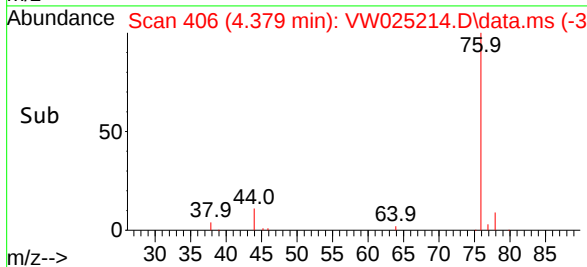
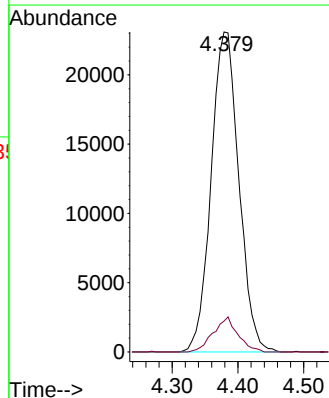
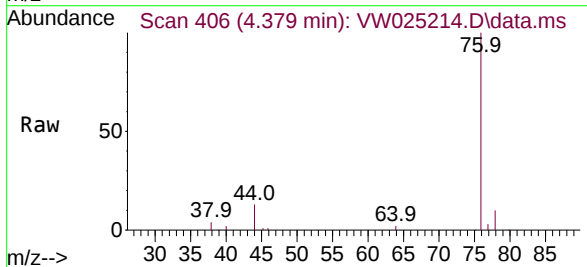
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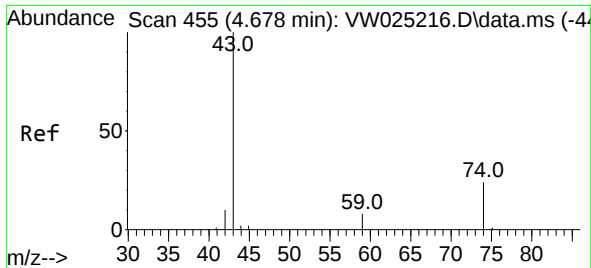
Tgt Ion: 43 Resp: 14779
Ion Ratio Lower Upper
43 100
58 33.7 0.0 66.8



#14
Carbon disulfide
Concen: 2.729 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 76 Resp: 67757
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4

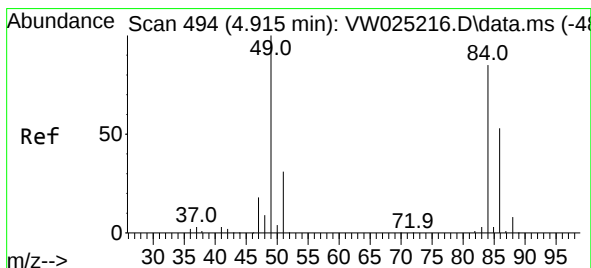
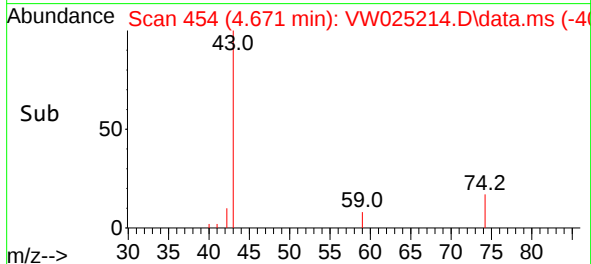
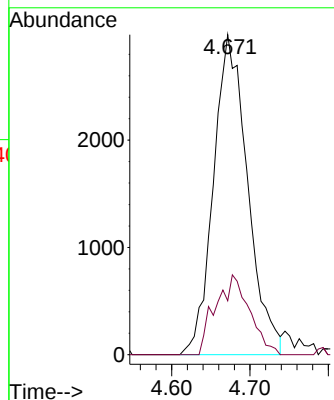
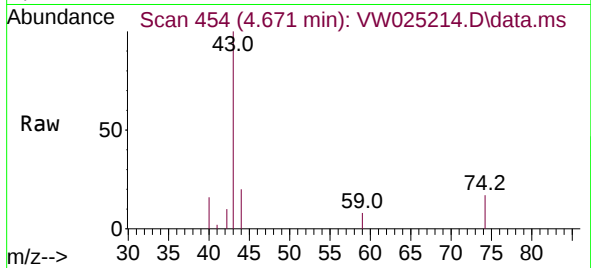




#15
Methyl Acetate
Concen: 3.009 ug/L
RT: 4.671 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

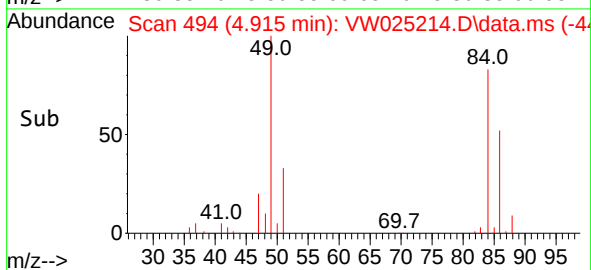
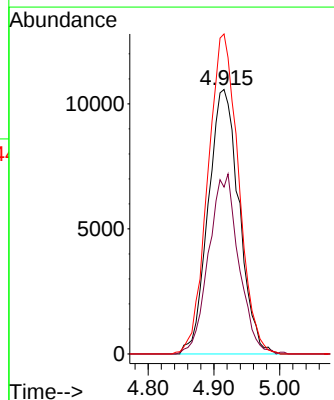
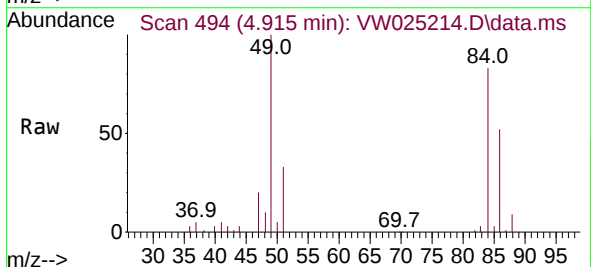
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

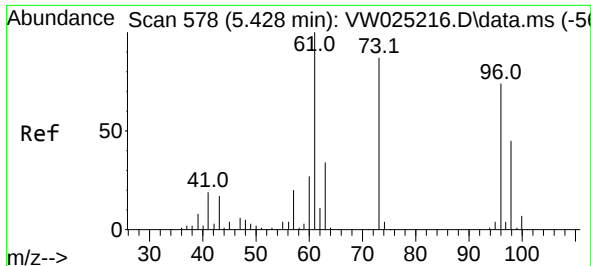
Tgt Ion: 43 Resp: 9043
Ion Ratio Lower Upper
43 100
74 14.2 20.4 30.6#



#16
Methylene chloride
Concen: 3.690 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 84 Resp: 34503
Ion Ratio Lower Upper
84 100
86 63.1 43.4 80.6
49 121.0 82.0 152.2

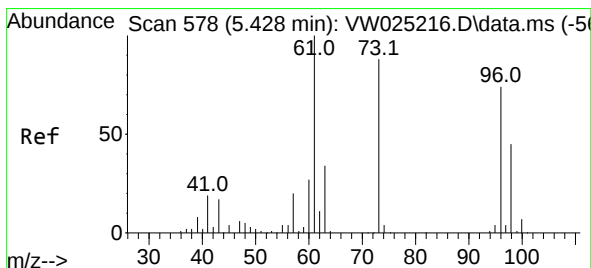
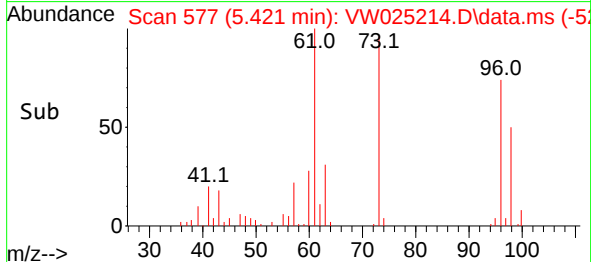
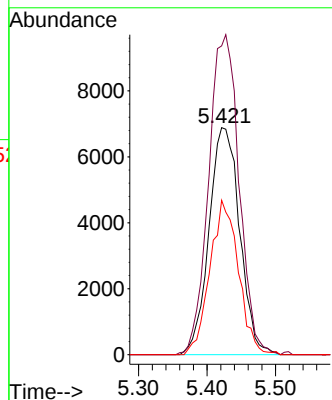
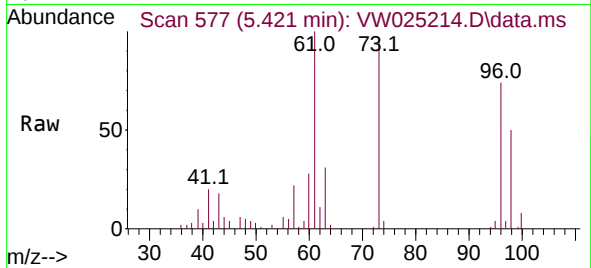




#17
trans-1,2-Dichloroethene
Concen: 2.670 ug/L
RT: 5.421 min Scan# 517
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

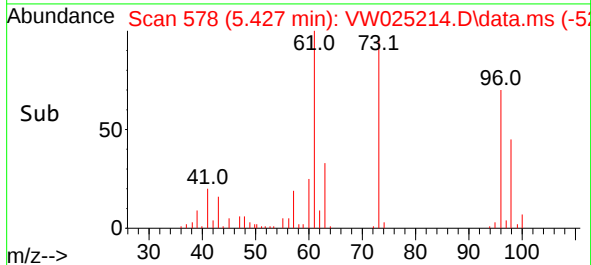
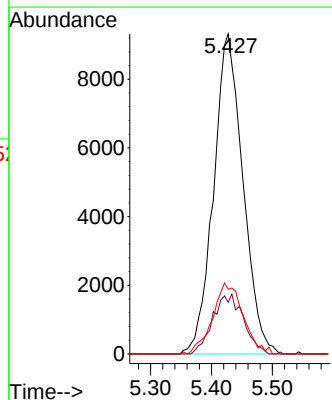
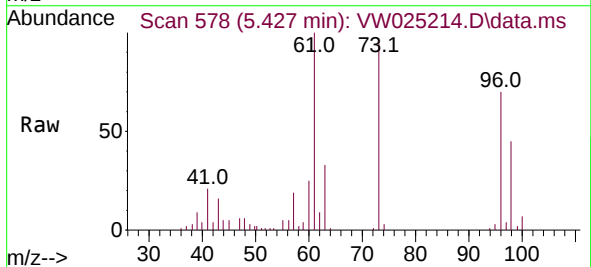
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

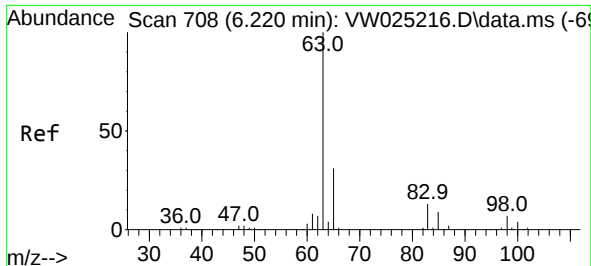
Tgt Ion: 96 Resp: 21431
Ion Ratio Lower Upper
96 100
61 136.0 94.2 175.0
98 68.0 42.8 79.6



#18
Methyl tert-butyl Ether
Concen: 2.771 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 73 Resp: 31183
Ion Ratio Lower Upper
73 100
43 10.6 15.2 22.8#
57 12.6 17.8 26.6#





#19

1,1-Dichloroethane

Concen: 2.682 ug/L

RT: 6.208 min Scan# 708

Delta R.T. -0.012 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

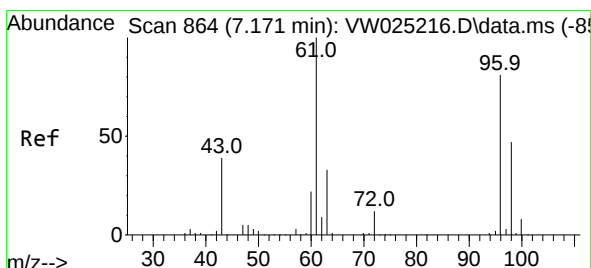
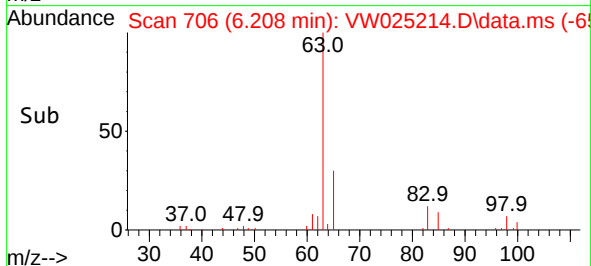
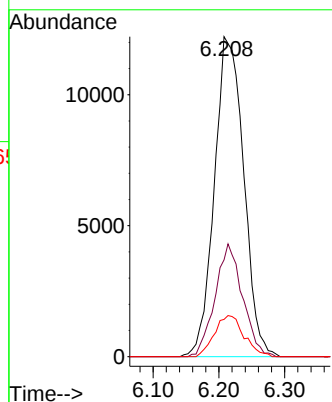
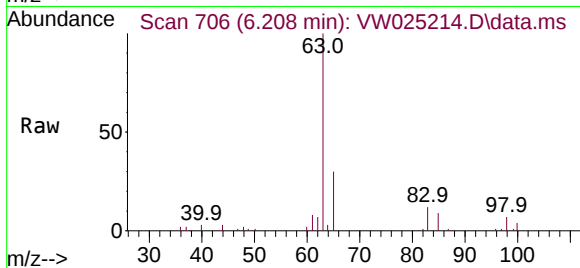
Tgt Ion: 63 Resp: 37871

Ion Ratio Lower Upper

63 100

65 30.2 21.7 40.3

83 11.6 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 2.642 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

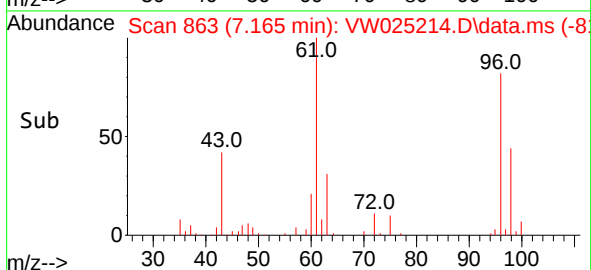
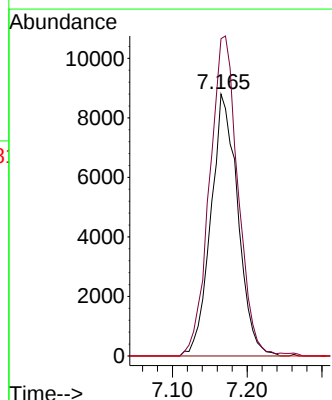
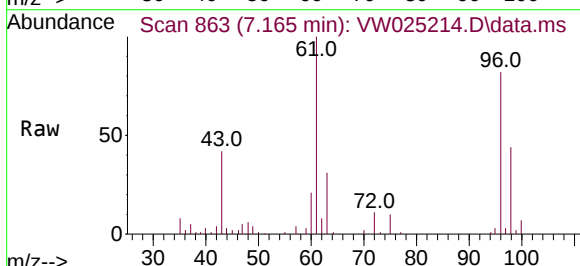
Tgt Ion: 96 Resp: 22043

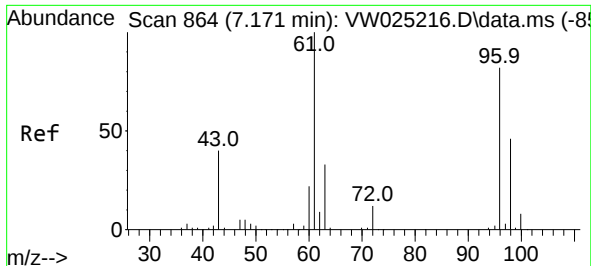
Ion Ratio Lower Upper

96 100

61 121.2 86.0 159.8

68 0.0 0.0 0.0

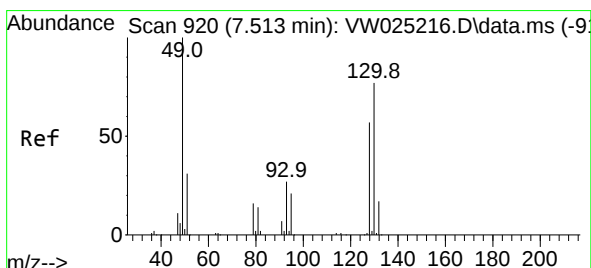
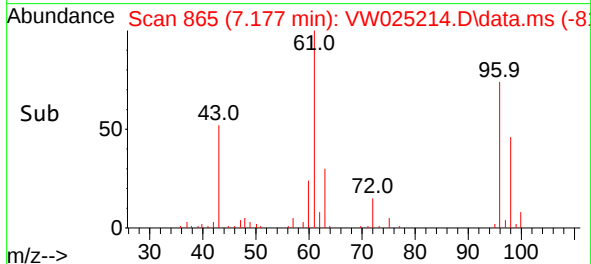
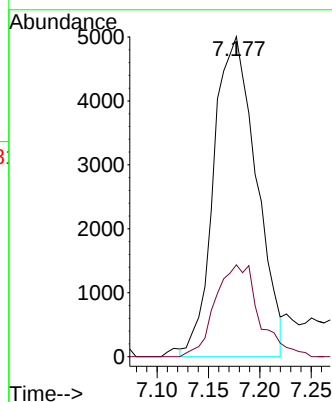
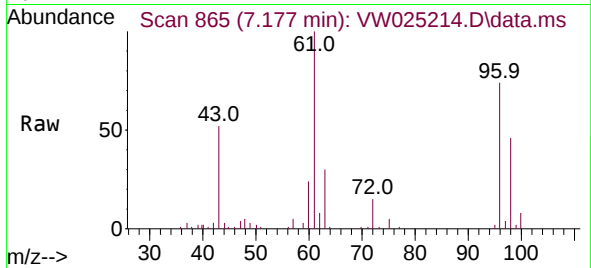




#22
2-Butanone
Concen: 6.235 ug/L
RT: 7.177 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

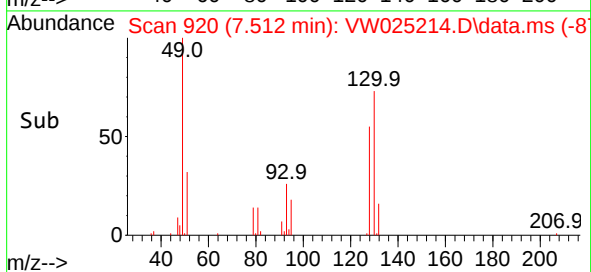
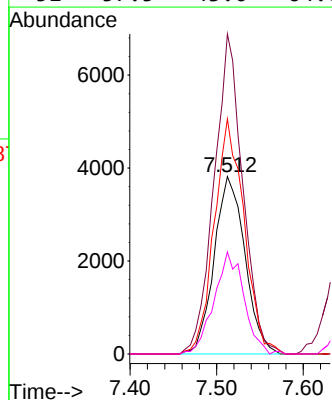
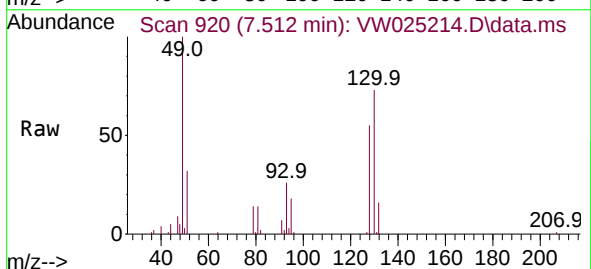
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

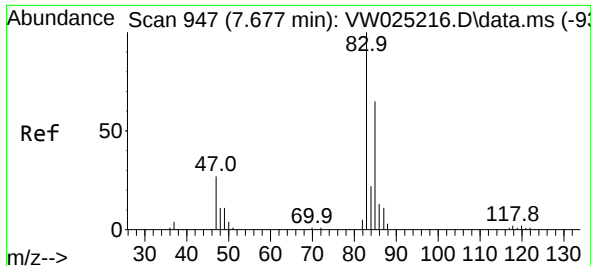
Tgt Ion: 43 Resp: 14411
Ion Ratio Lower Upper
43 100
72 19.3 14.7 44.1



#23
Bromochloromethane
Concen: 2.708 ug/L
RT: 7.512 min Scan# 920
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 128 Resp: 9430
Ion Ratio Lower Upper
128 100
49 180.3 122.1 226.7
130 132.4 94.0 174.6
51 57.5 43.0 64.6

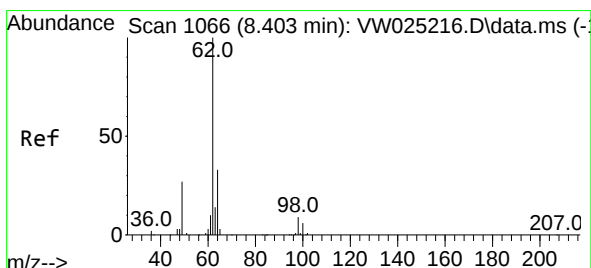
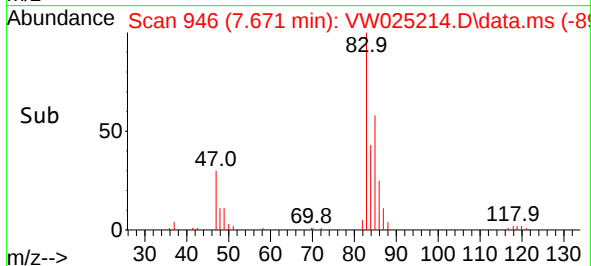
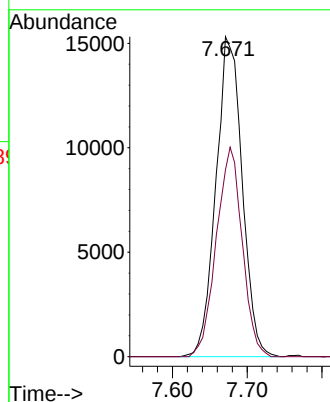
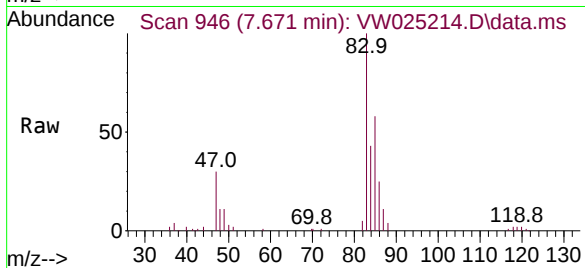




#25
Chloroform
Concen: 2.693 ug/L
RT: 7.671 min Scan# 947
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

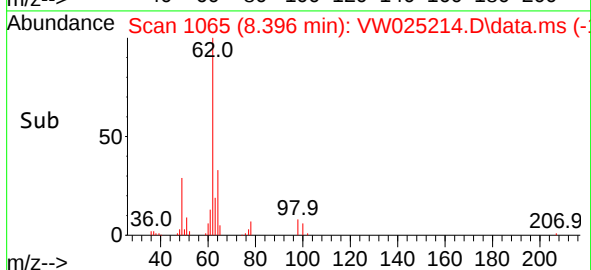
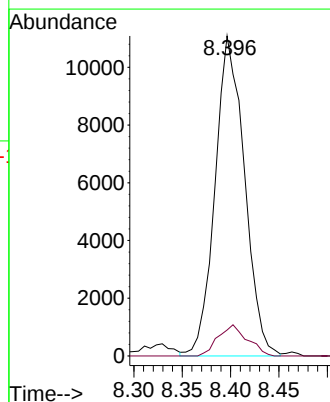
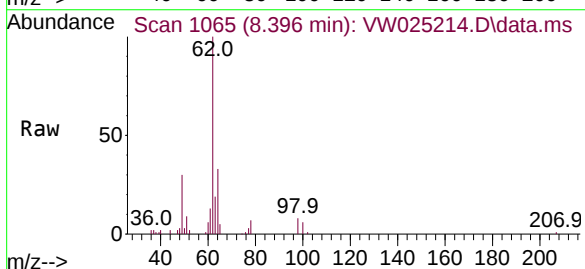
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

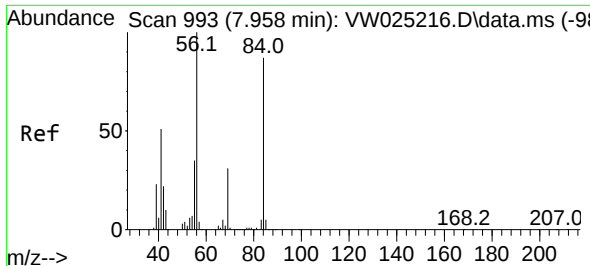
Tgt Ion: 83 Resp: 37392
Ion Ratio Lower Upper
83 100
85 58.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.731 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 62 Resp: 23465
Ion Ratio Lower Upper
62 100
98 8.1 7.5 11.3

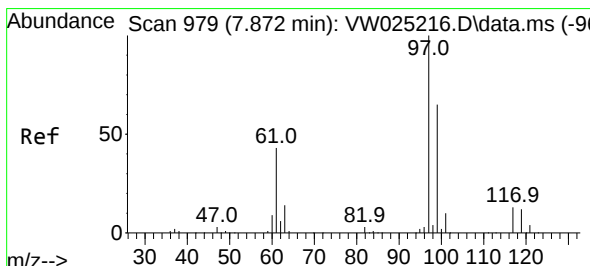
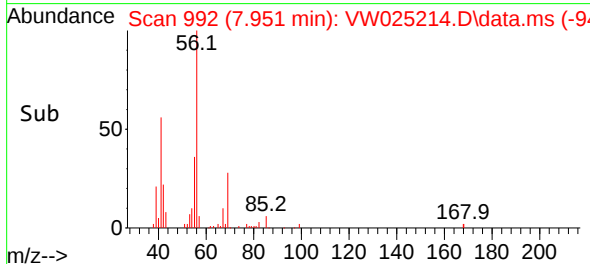
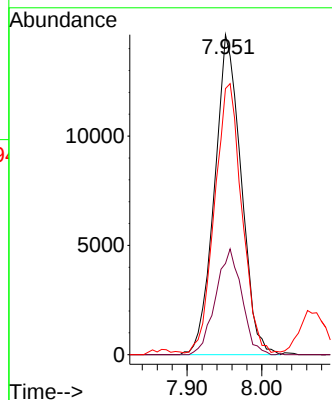
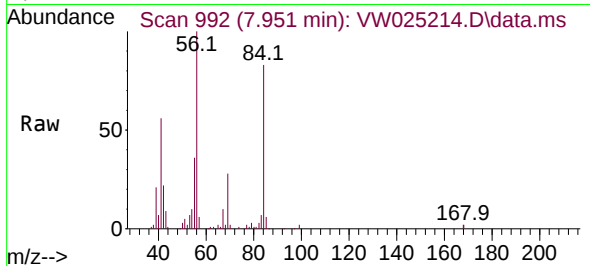




#29
Cyclohexane
Concen: 2.608 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

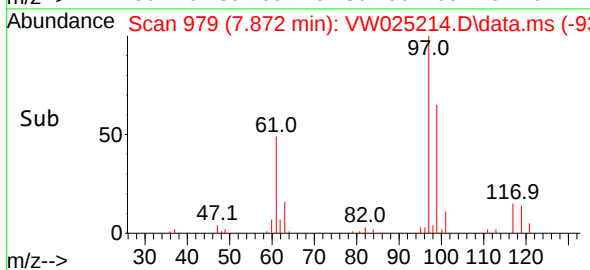
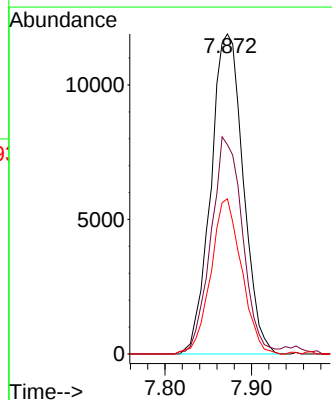
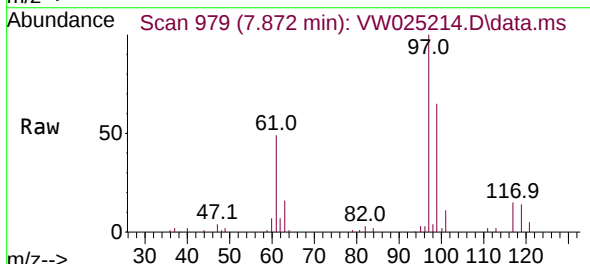
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

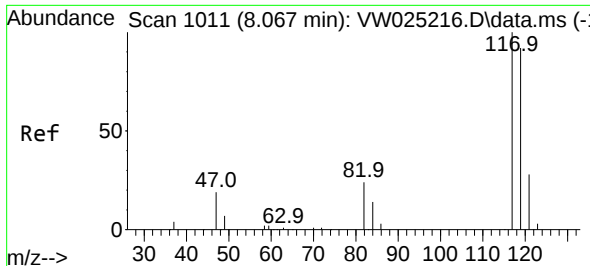
Tgt Ion: 56 Resp: 36238
Ion Ratio Lower Upper
56 100
69 32.4 25.1 37.7
84 87.1 71.0 106.4



#30
1,1,1-Trichloroethane
Concen: 2.639 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 97 Resp: 30900
Ion Ratio Lower Upper
97 100
99 66.3 51.9 77.9
61 45.9 35.6 53.4

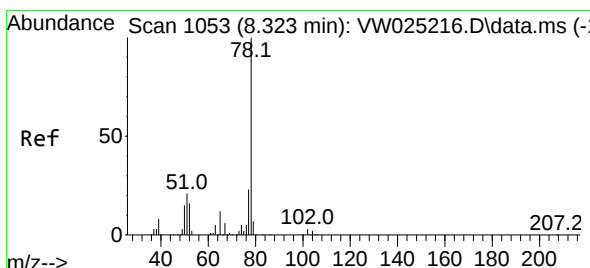
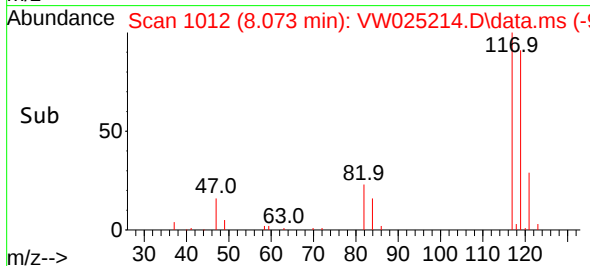
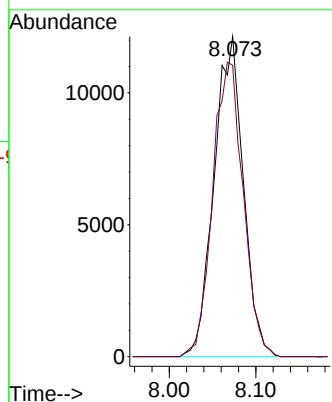
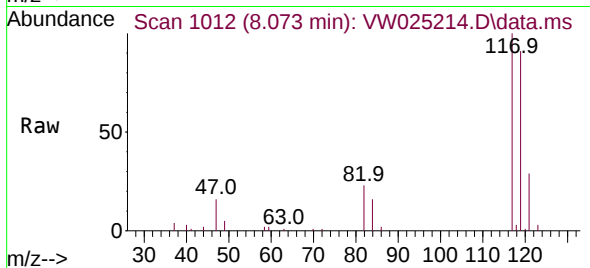




#31
Carbon tetrachloride
Concen: 2.670 ug/L
RT: 8.073 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

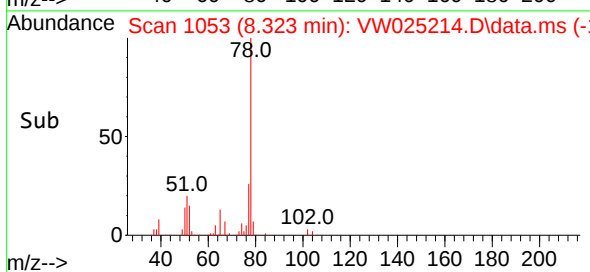
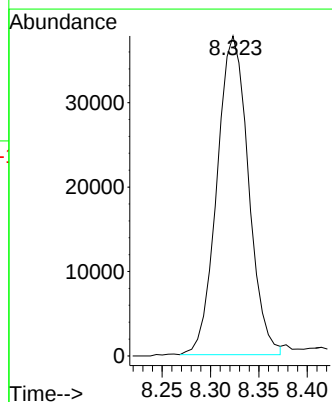
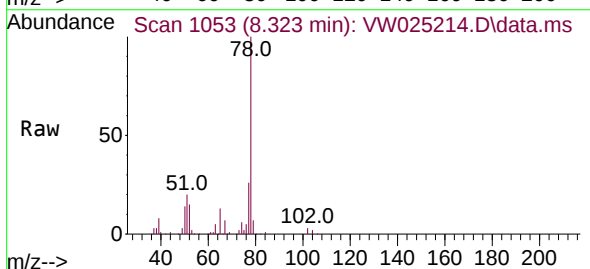
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

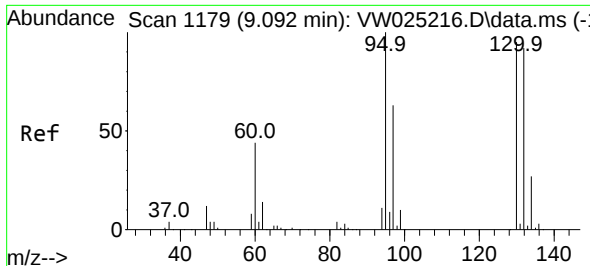
Tgt Ion:117 Resp: 28475
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5



#33
Benzene
Concen: 2.686 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 78 Resp: 85590

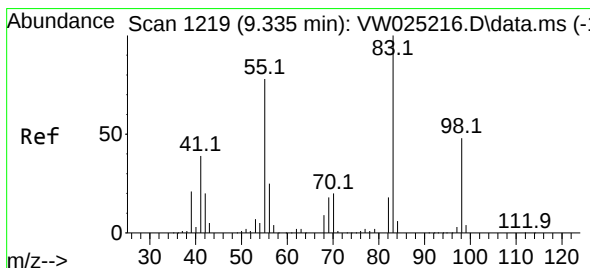
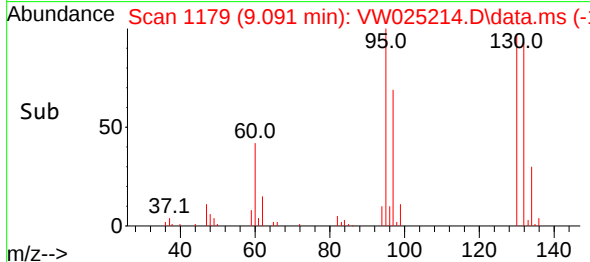
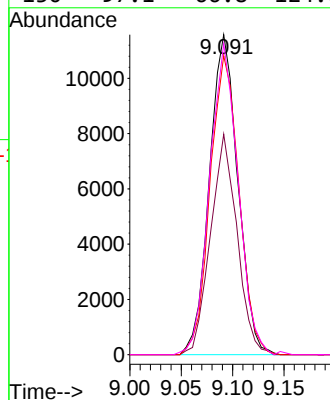
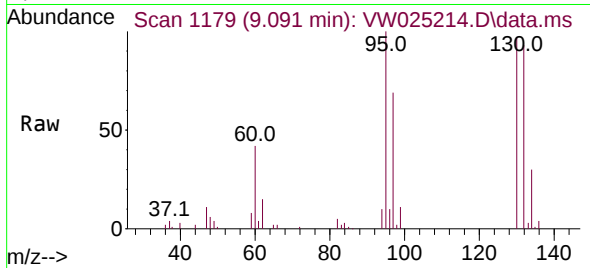




#34
Trichloroethene
Concen: 2.680 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

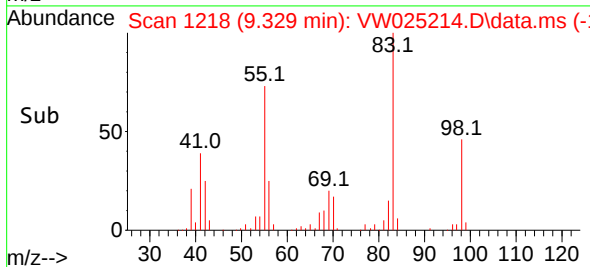
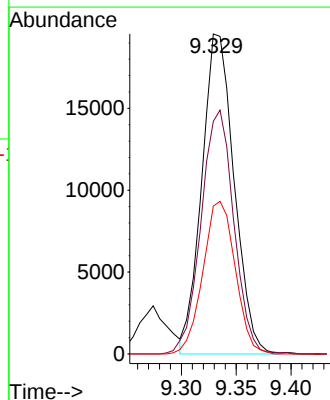
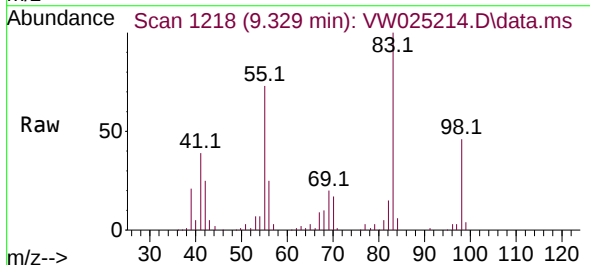
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

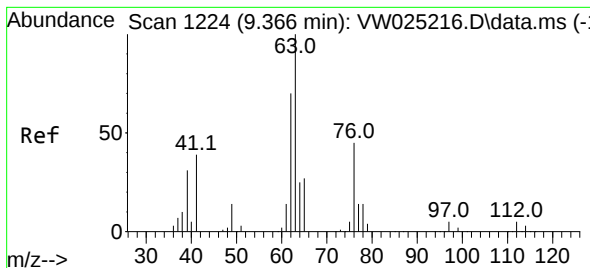
Tgt Ion:	95	Resp:	22272
Ion	Ratio	Lower	Upper
95	100		
97	68.9	44.4	82.4
132	93.4	64.5	119.7
130	97.1	66.8	124.0



#35
Methylcyclohexane
Concen: 2.659 ug/L
RT: 9.329 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion:	83	Resp:	40096
Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.4
98	47.7	38.6	58.0





#37

1,2-Dichloropropane

Concen: 2.704 ug/L

RT: 9.372 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

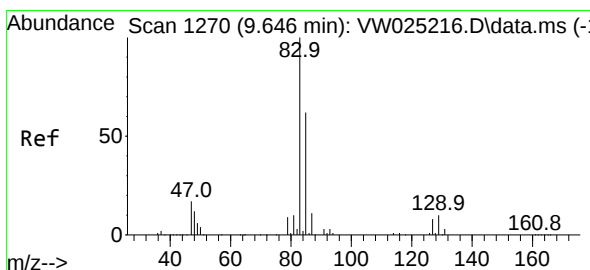
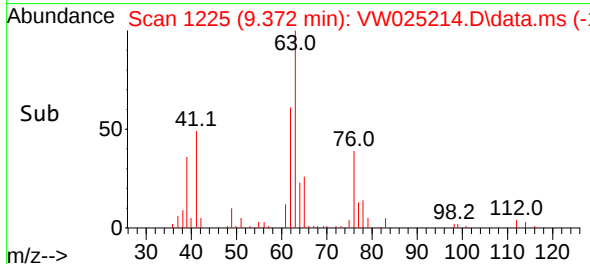
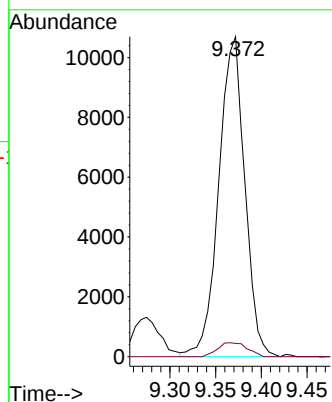
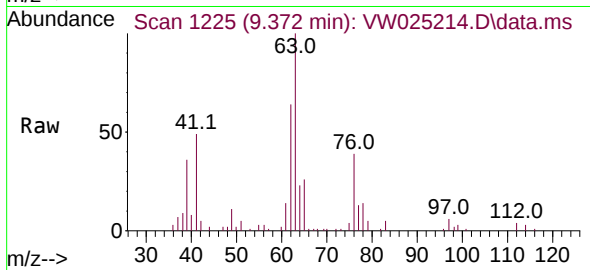
VSTD2.5479

Tgt Ion: 63 Resp: 21187

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 2.674 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

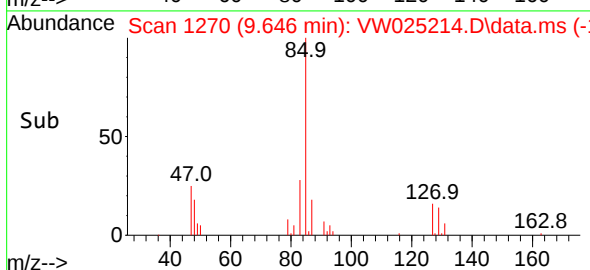
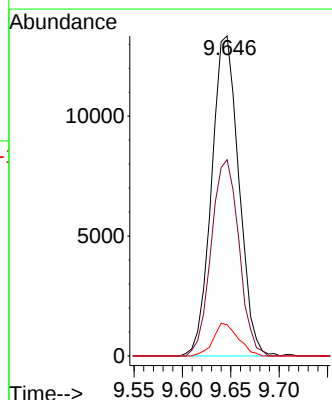
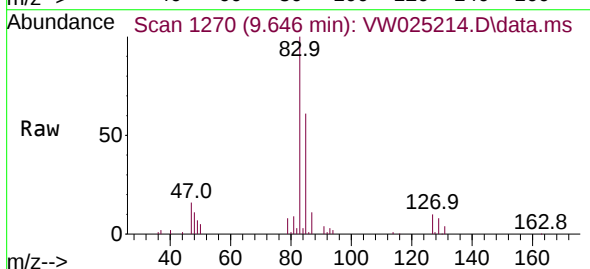
Tgt Ion: 83 Resp: 26191

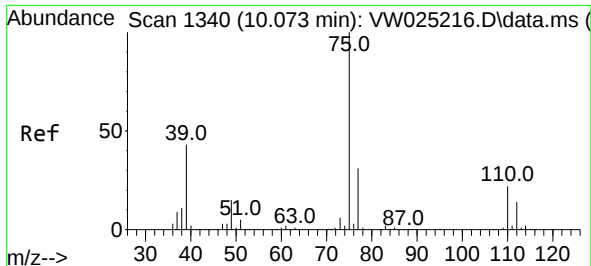
Ion Ratio Lower Upper

83 100

85 61.4 43.4 80.6

127 10.6 6.6 10.0#





#39

cis-1,3-Dichloropropene

Concen: 2.508 ug/L

RT: 10.073 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

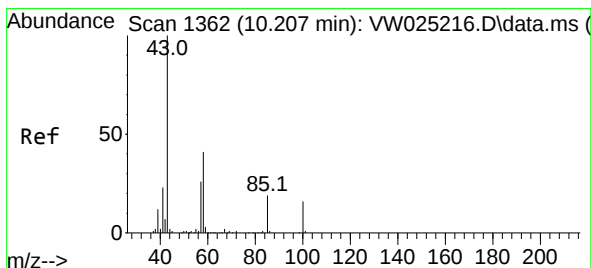
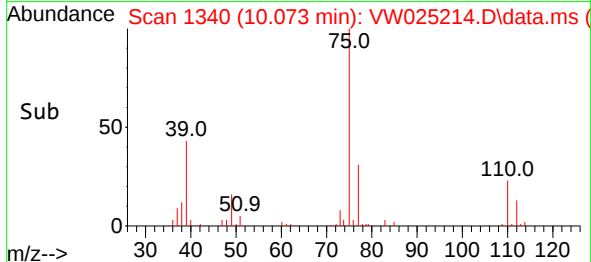
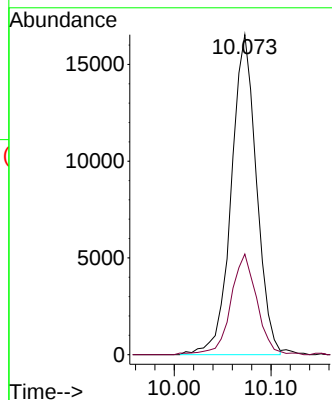
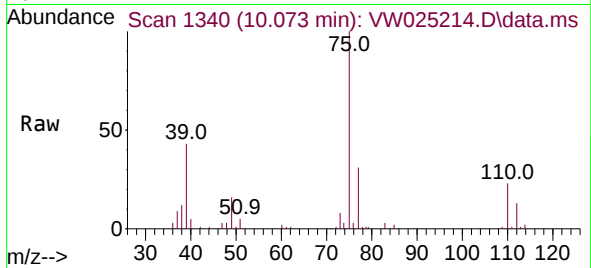
VSTD2.5479

Tgt Ion: 75 Resp: 29978

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 5.514 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

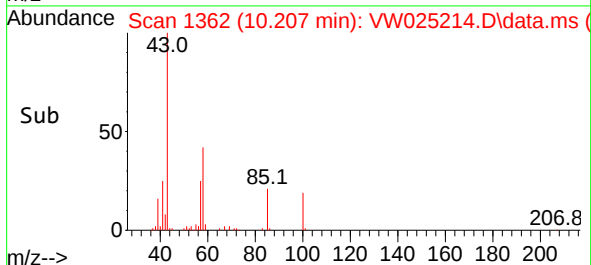
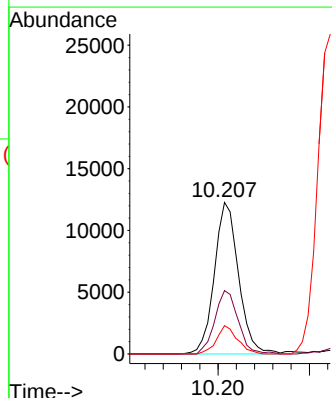
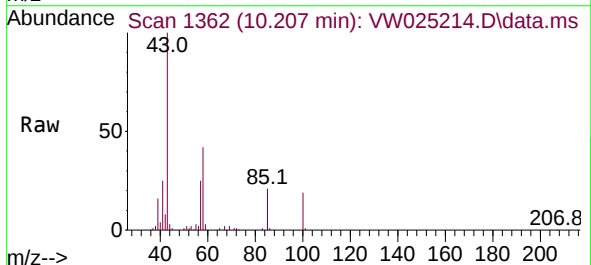
Tgt Ion: 43 Resp: 22551

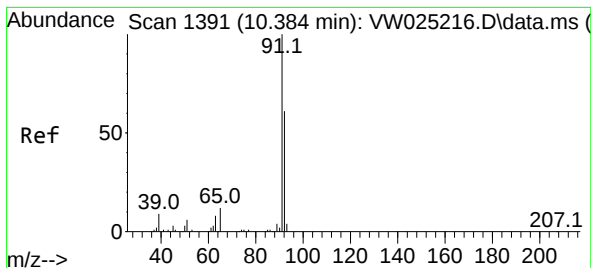
Ion Ratio Lower Upper

43 100

58 39.7 33.0 49.6

100 16.1 13.4 20.2





#42

Toluene

Concen: 2.642 ug/L

RT: 10.384 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

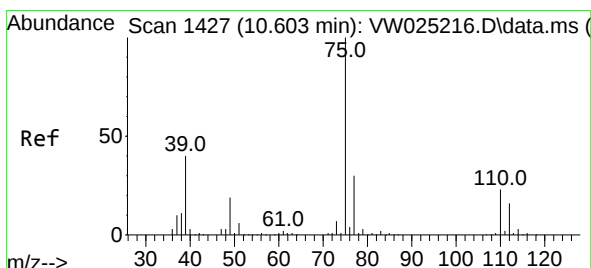
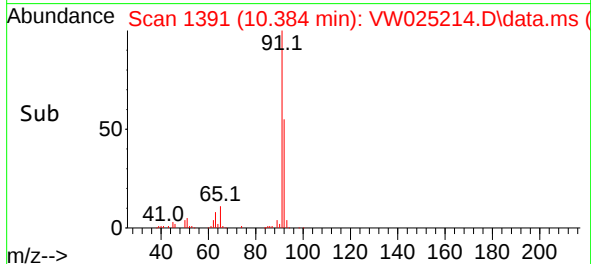
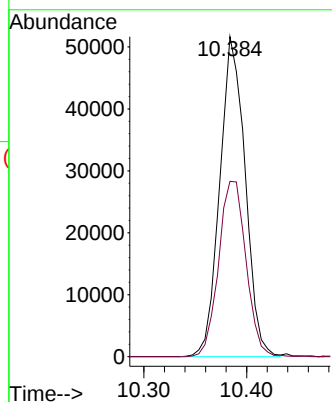
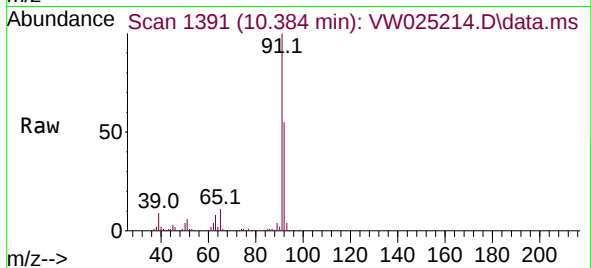
VSTD2.5479

Tgt Ion: 91 Resp: 88572

Ion Ratio Lower Upper

91 100

92 54.8 42.6 79.2



#44

trans-1,3-Dichloropropene

Concen: 2.627 ug/L

RT: 10.609 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VW025214.D

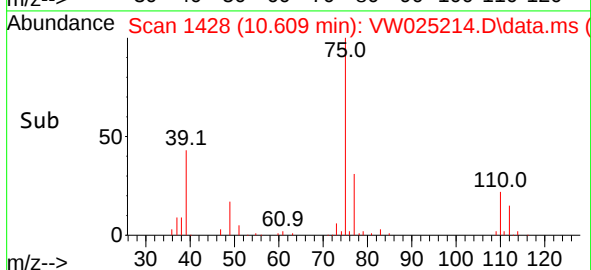
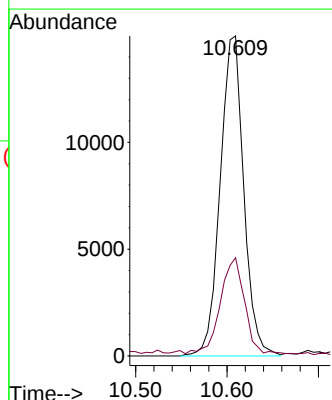
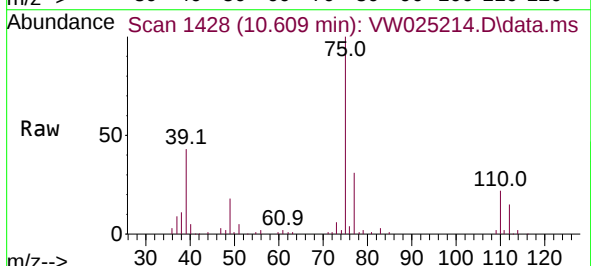
Acq: 03 Jan 2023 12:40

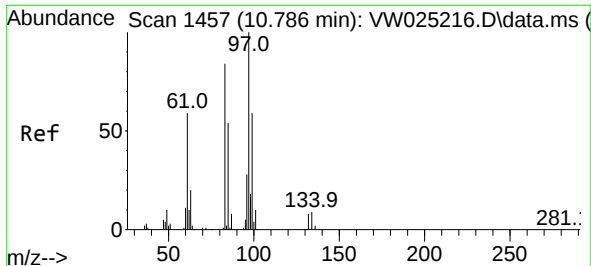
Tgt Ion: 75 Resp: 26867

Ion Ratio Lower Upper

75 100

77 30.7 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 2.776 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

Tgt Ion: 97 Resp: 15090

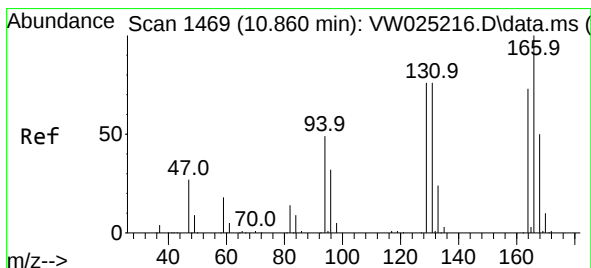
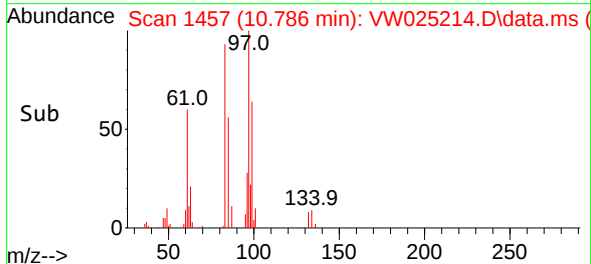
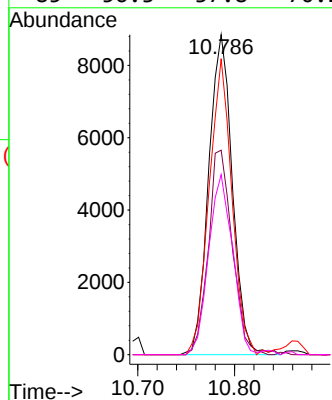
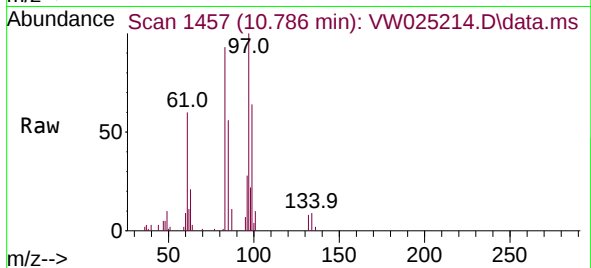
Ion Ratio Lower Upper

97 100

99 63.9 41.1 76.3

83 92.5 58.6 108.8

85 56.3 37.8 70.2



#46

Tetrachloroethene

Concen: 2.783 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Tgt Ion:164 Resp: 16993

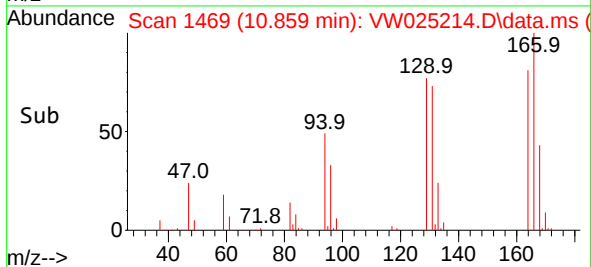
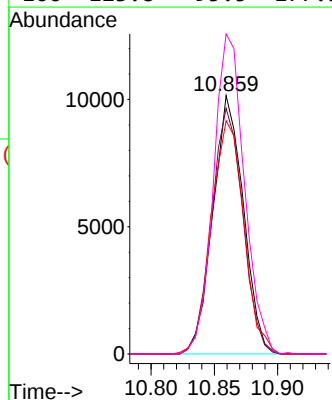
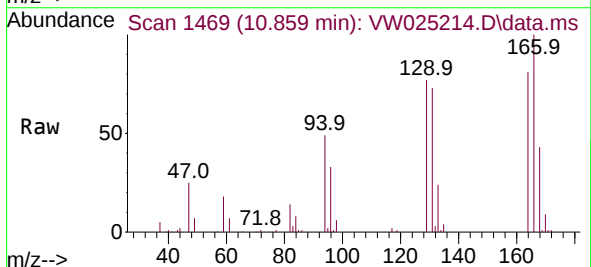
Ion Ratio Lower Upper

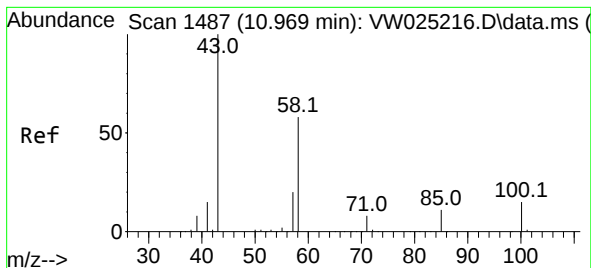
164 100

129 95.0 72.8 135.2

131 90.3 72.2 134.2

166 123.8 95.5 177.3





#48

2-Hexanone

Concen: 5.728 ug/L

RT: 10.969 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

Tgt Ion: 43 Resp: 17966

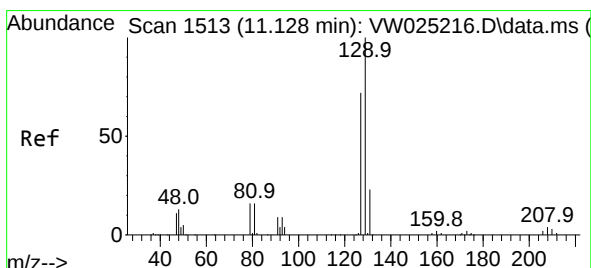
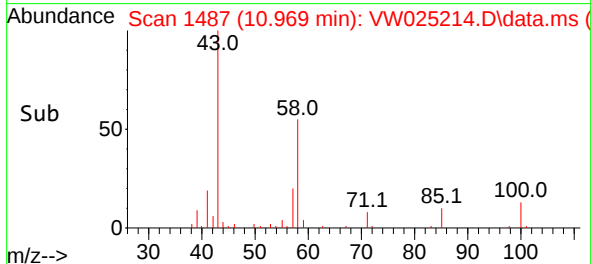
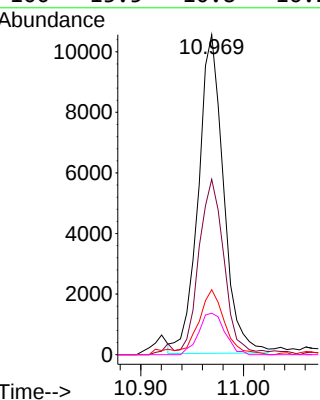
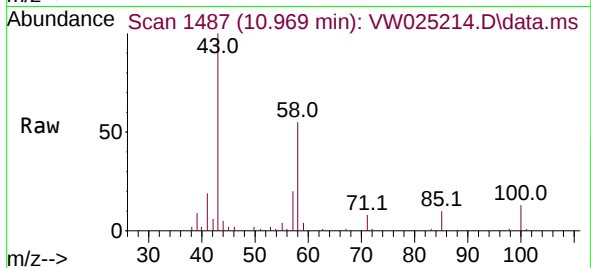
Ion Ratio Lower Upper

43 100

58 52.6 45.8 68.6

57 20.3 16.2 24.4

100 13.5 10.8 16.2



#49

Dibromochloromethane

Concen: 2.617 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VW025214.D

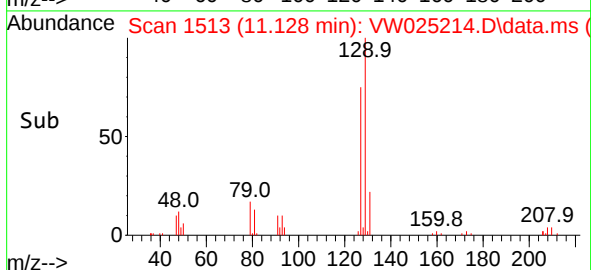
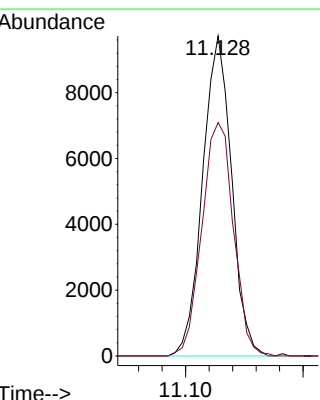
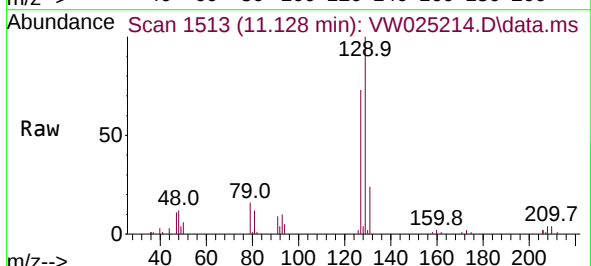
Acq: 03 Jan 2023 12:40

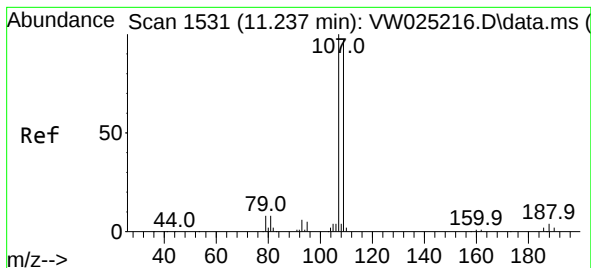
Tgt Ion: 129 Resp: 16601

Ion Ratio Lower Upper

129 100

127 73.0 50.4 93.6





#50

1,2-Dibromoethane

Concen: 2.713 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

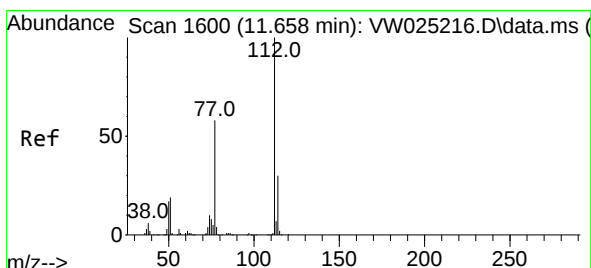
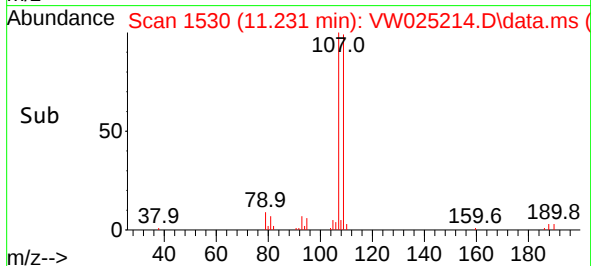
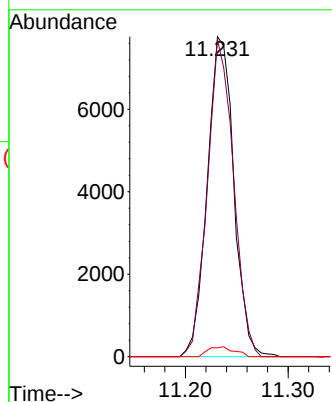
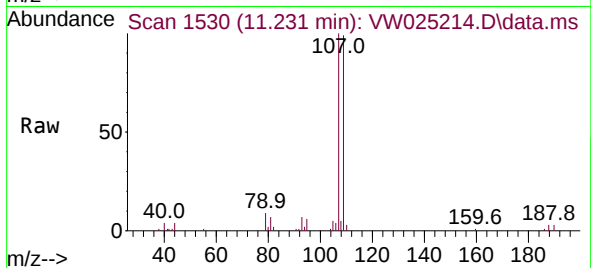
Tgt Ion:107 Resp: 13952

Ion Ratio Lower Upper

107 100

109 99.1 68.2 126.6

188 2.8 3.1 4.7#



#51

Chlorobenzene

Concen: 2.686 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

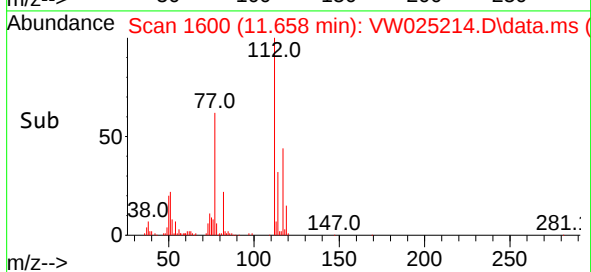
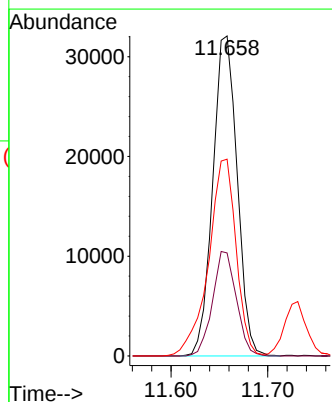
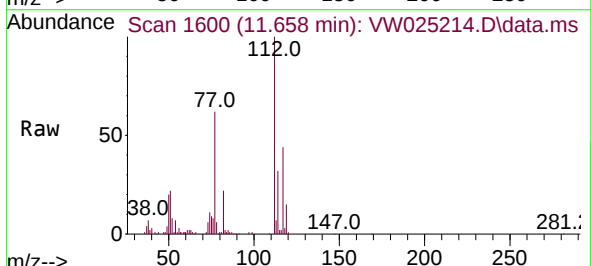
Tgt Ion:112 Resp: 56225

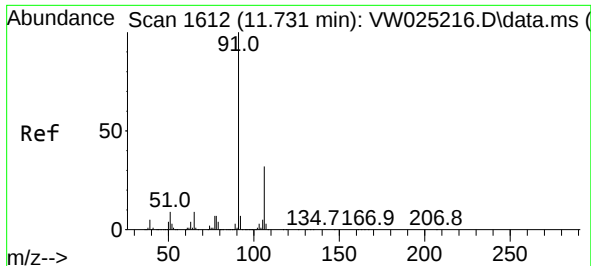
Ion Ratio Lower Upper

112 100

114 32.2 21.1 39.1

77 61.5 46.6 69.8

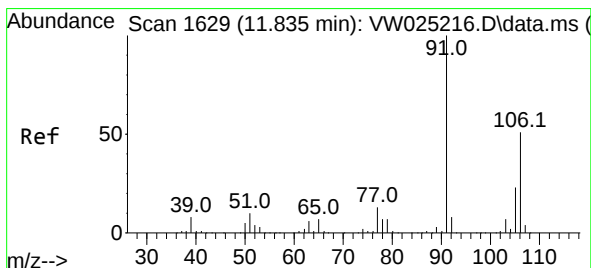
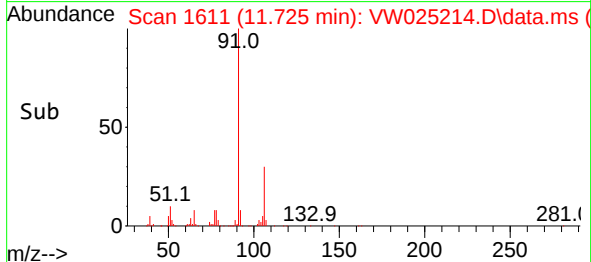
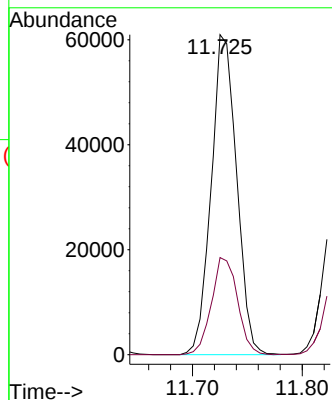
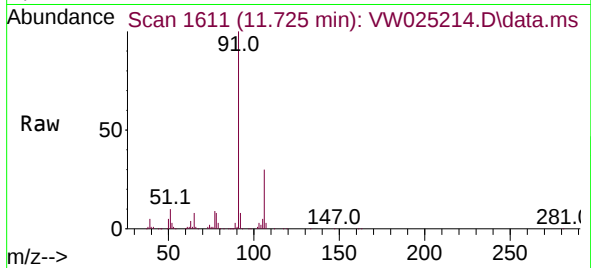




#52
Ethylbenzene
Concen: 2.634 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

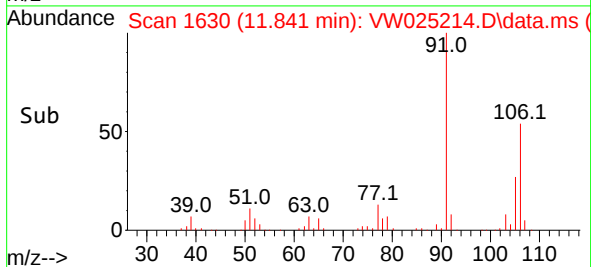
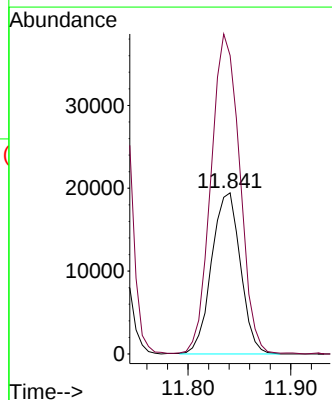
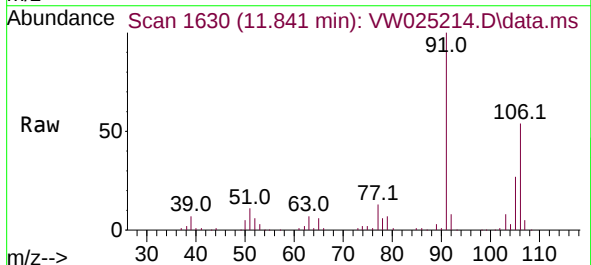
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

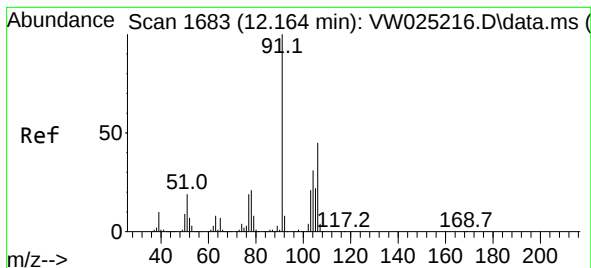
Tgt Ion: 91 Resp: 98407
Ion Ratio Lower Upper
91 100
106 30.3 22.1 41.1



#53
m,p-Xylene
Concen: 2.622 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion:106 Resp: 37859
Ion Ratio Lower Upper
106 100
91 185.3 138.5 257.3





#54

o-Xylene

Concen: 2.289 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

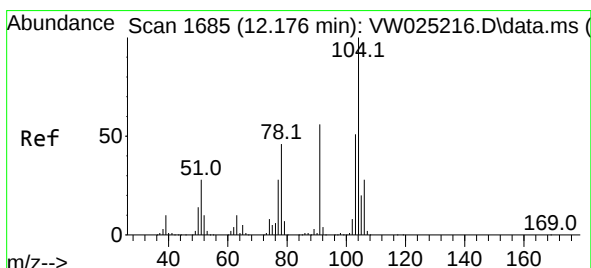
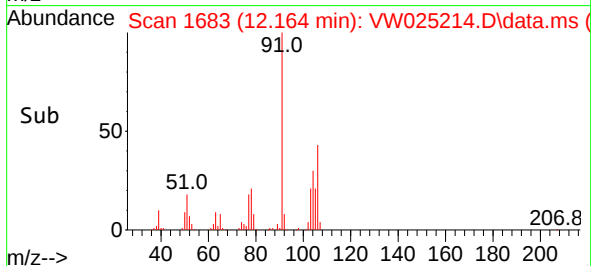
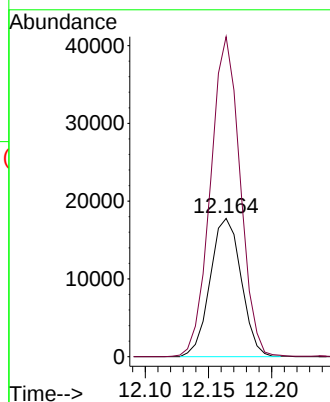
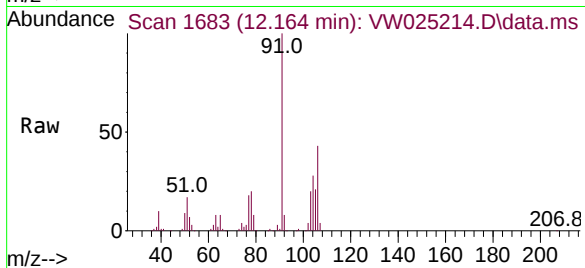
VSTD2.5479

Tgt Ion:106 Resp: 30417

Ion Ratio Lower Upper

106 100

91 231.4 155.3 288.5



#55

Styrene

Concen: 2.337 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW025214.D

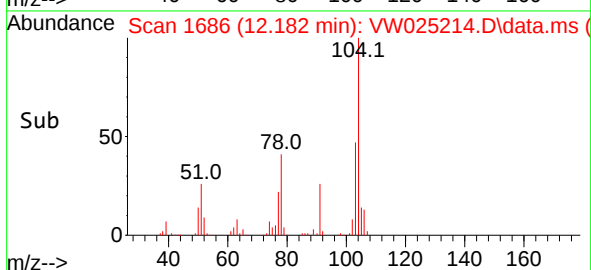
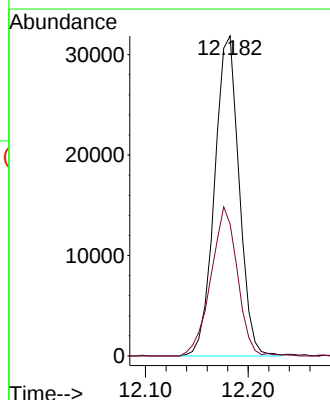
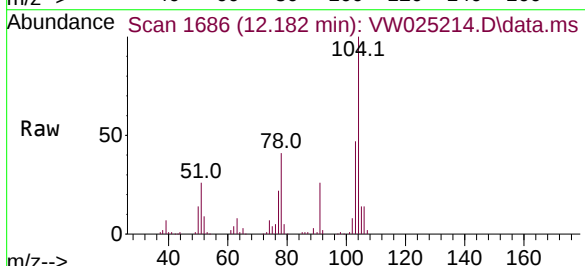
Acq: 03 Jan 2023 12:40

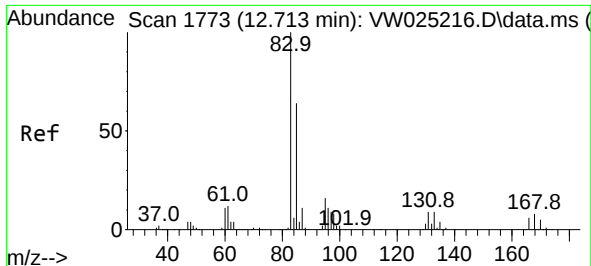
Tgt Ion:104 Resp: 52775

Ion Ratio Lower Upper

104 100

78 41.2 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.387 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

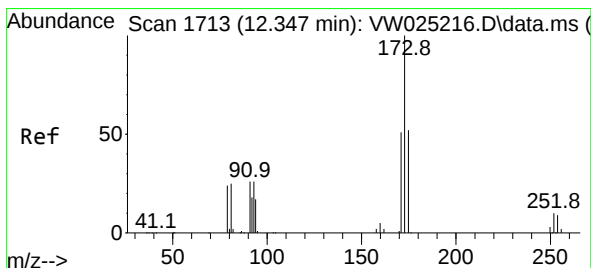
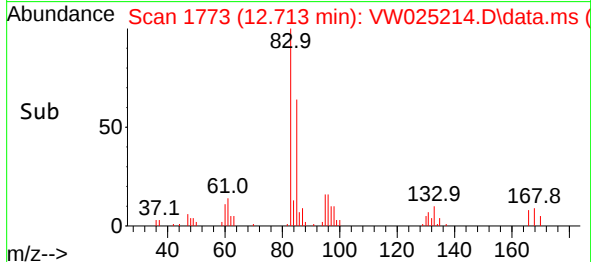
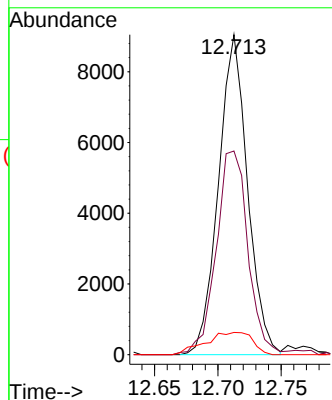
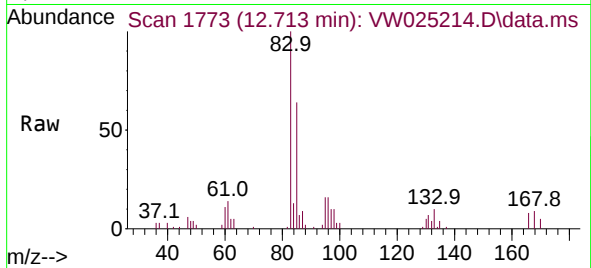
Tgt Ion: 83 Resp: 14469

Ion Ratio Lower Upper

83 100

85 63.7 44.8 83.2

131 7.0 7.4 11.0#



#59

Bromoform

Concen: 2.752 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

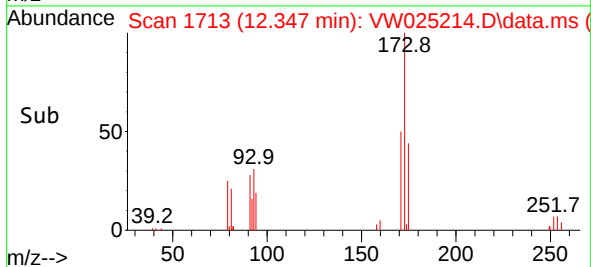
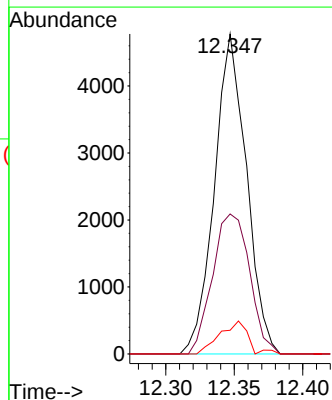
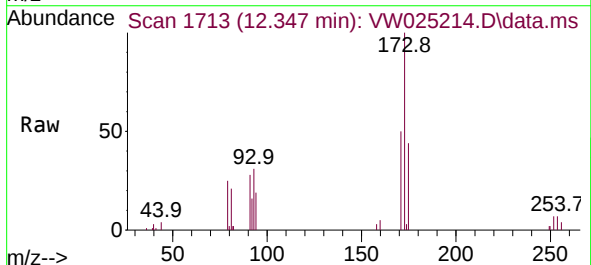
Tgt Ion: 173 Resp: 7775

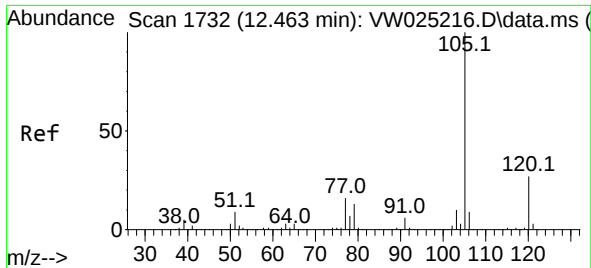
Ion Ratio Lower Upper

173 100

175 50.7 40.7 61.1

254 8.6 6.7 10.1

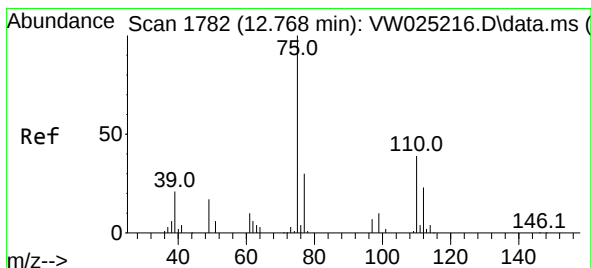
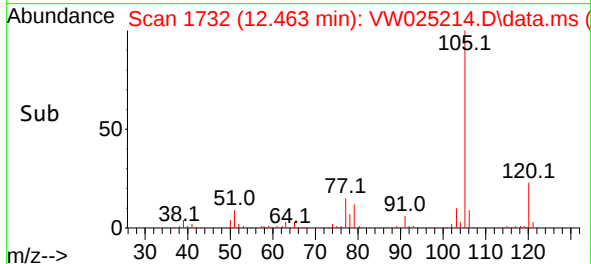
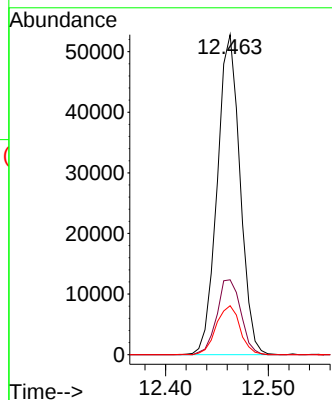
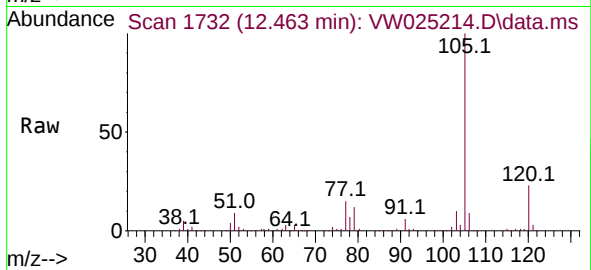




#60
Isopropylbenzene
Concen: 2.519 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

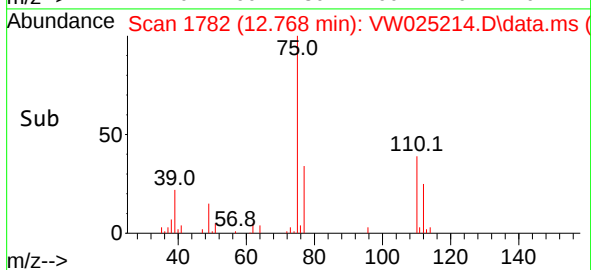
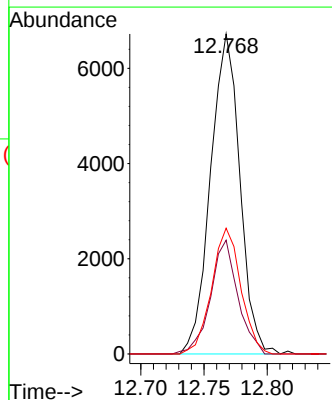
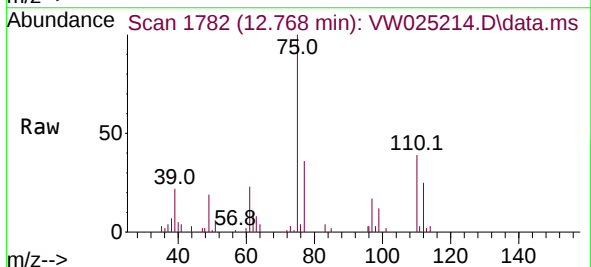
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

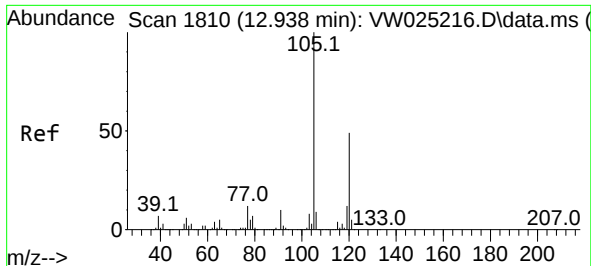
Tgt Ion:105 Resp: 81303
Ion Ratio Lower Upper
105 100
120 24.7 20.7 31.1
77 16.0 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 2.710 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion: 75 Resp: 10829
Ion Ratio Lower Upper
75 100
77 33.2 25.7 38.5
110 39.1 31.2 46.8





#62

1,3,5-Trimethylbenzene

Concen: 2.413 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

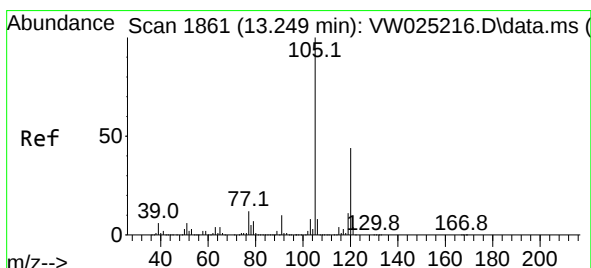
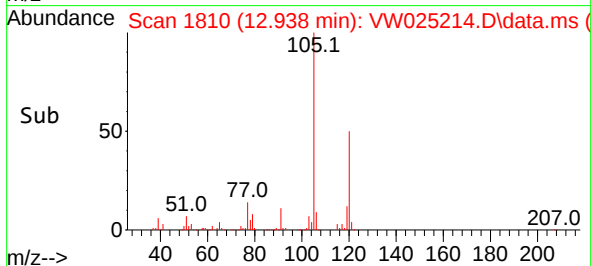
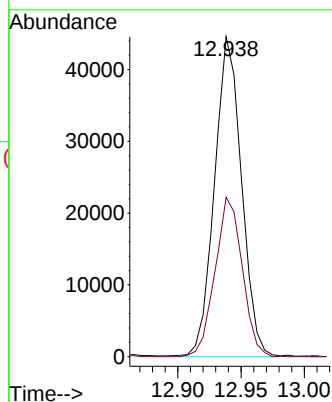
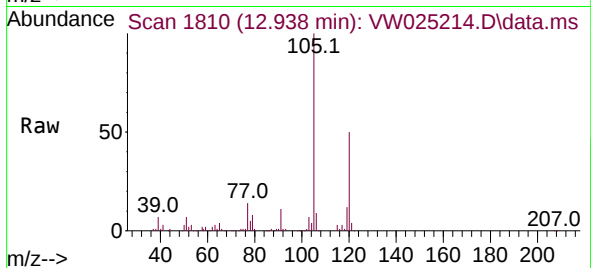
VSTD2.5479

Tgt Ion:105 Resp: 66028

Ion Ratio Lower Upper

105 100

120 50.1 38.5 57.7



#63

1,2,4-Trimethylbenzene

Concen: 2.463 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW025214.D

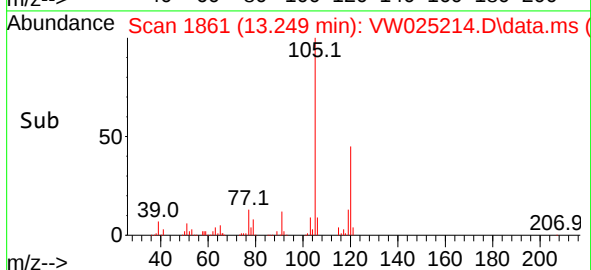
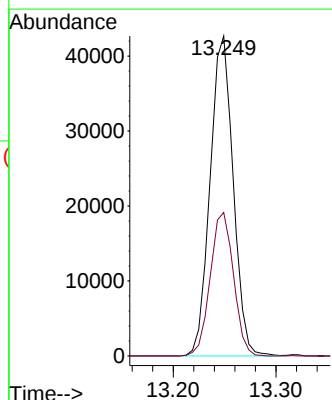
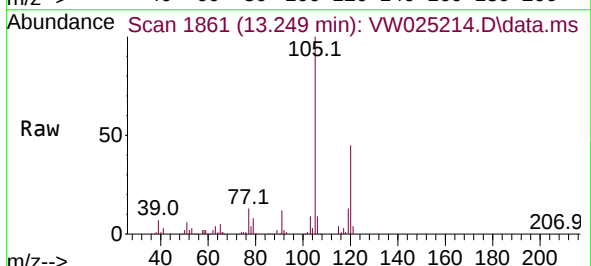
Acq: 03 Jan 2023 12:40

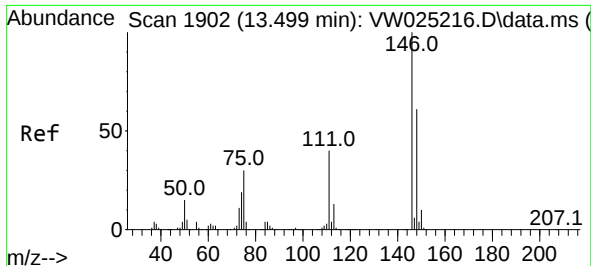
Tgt Ion:105 Resp: 66482

Ion Ratio Lower Upper

105 100

120 45.2 35.1 52.7

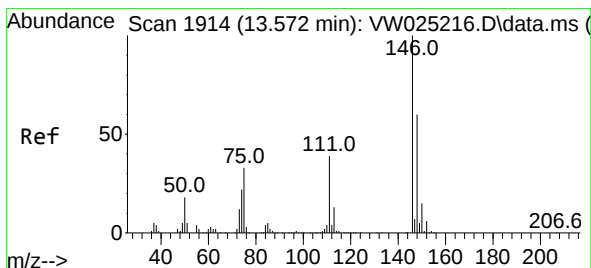
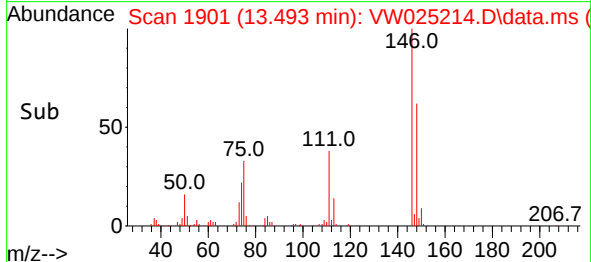
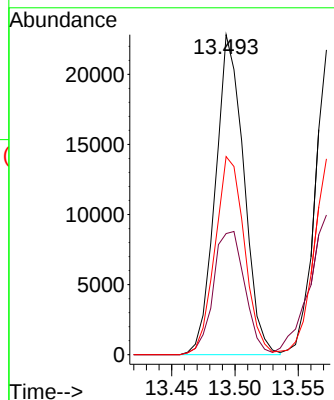
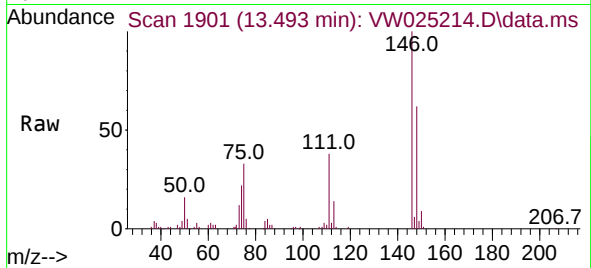




#64
1,3-Dichlorobenzene
Concen: 2.703 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

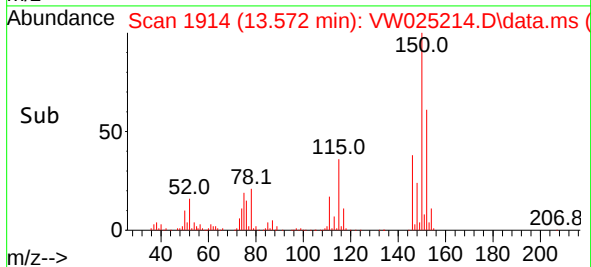
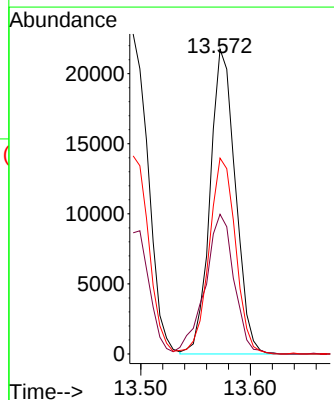
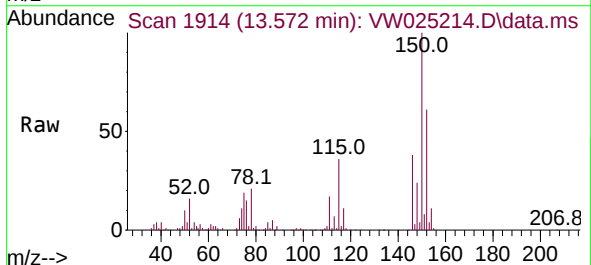
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5479

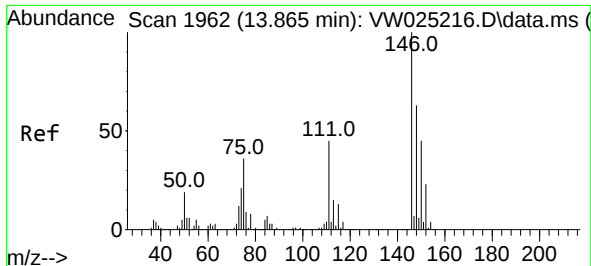
Tgt Ion:146 Resp: 35665
Ion Ratio Lower Upper
146 100
111 37.9 28.3 52.7
148 61.9 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 2.671 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW025214.D
Acq: 03 Jan 2023 12:40

Tgt Ion:146 Resp: 34920
Ion Ratio Lower Upper
146 100
111 45.8 27.4 51.0
148 64.2 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 2.765 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

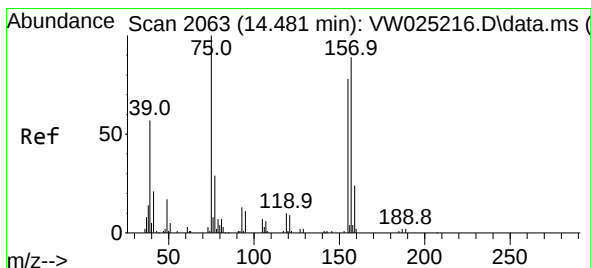
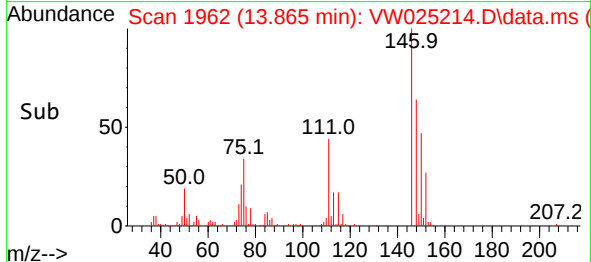
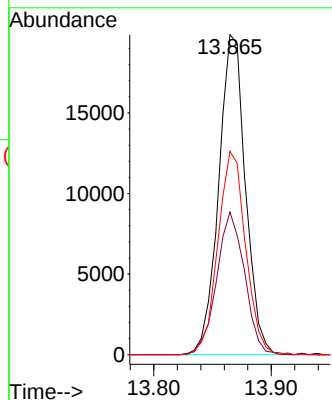
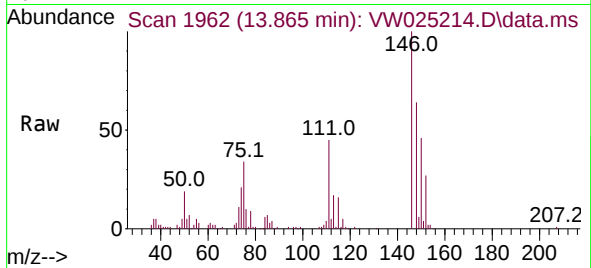
Tgt Ion:146 Resp: 31489

Ion Ratio Lower Upper

146 100

111 44.6 36.1 54.1

148 63.6 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 3.089 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

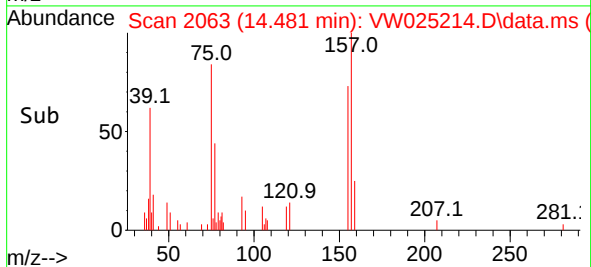
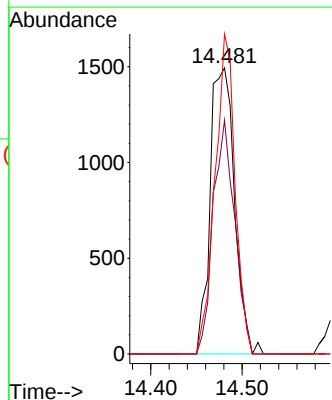
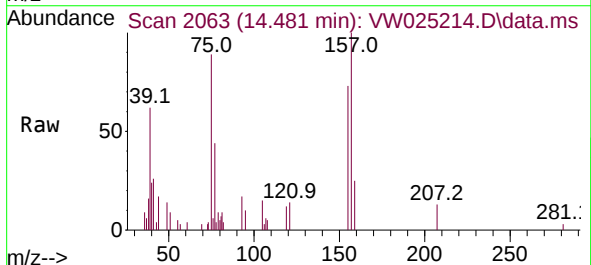
Tgt Ion: 75 Resp: 2765

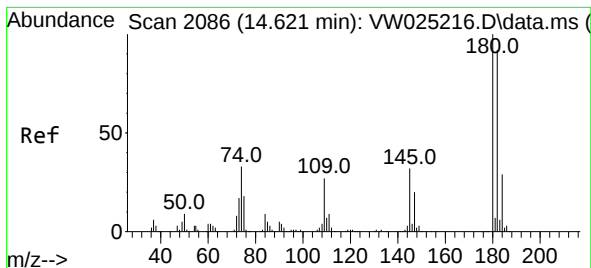
Ion Ratio Lower Upper

75 100

155 81.7 62.3 93.5

157 111.8 71.1 106.7#





#69

1,3,5-Trichlorobenzene

Concen: 3.217 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

Tgt Ion:180 Resp: 30240

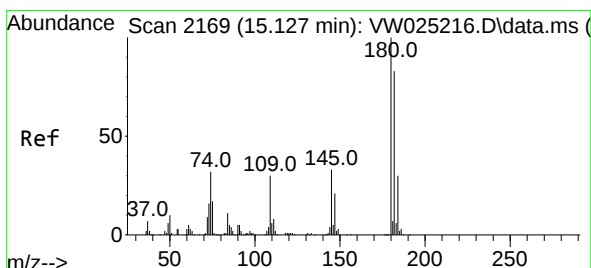
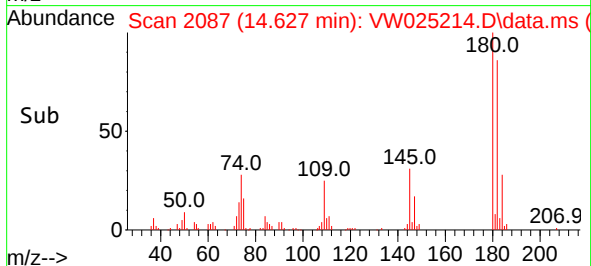
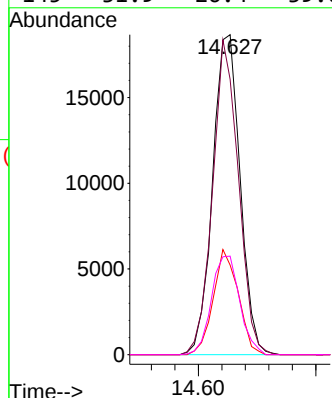
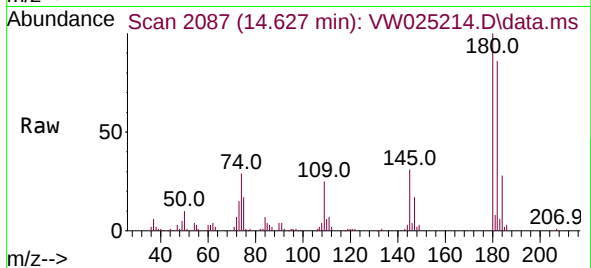
Ion Ratio Lower Upper

180 100

182 92.7 75.1 112.7

184 30.0 23.3 34.9

145 31.9 26.4 39.6



#70

1,2,4-trichlorobenzene

Concen: 3.094 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

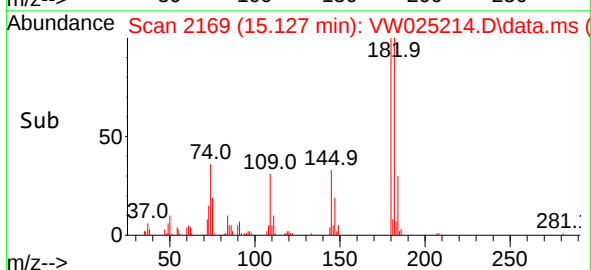
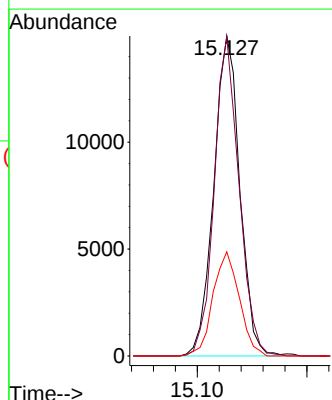
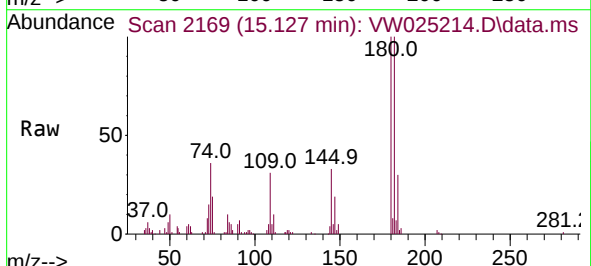
Tgt Ion:180 Resp: 24701

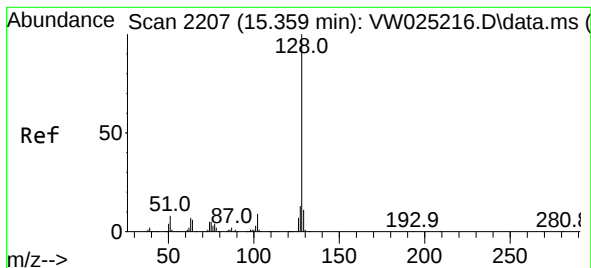
Ion Ratio Lower Upper

180 100

182 94.8 72.5 108.7

145 32.9 27.0 40.4





#71

Naphthalene

Concen: 3.009 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5479

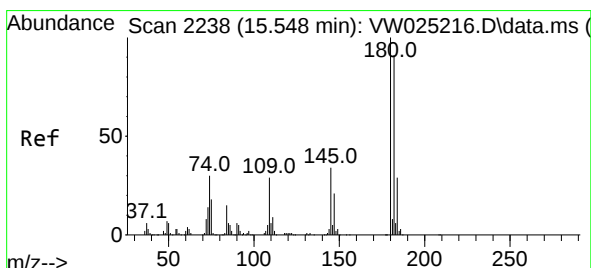
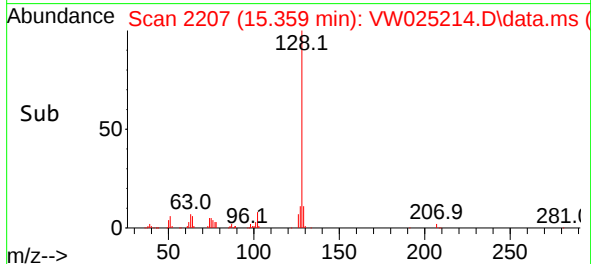
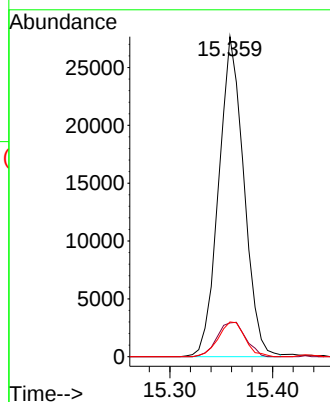
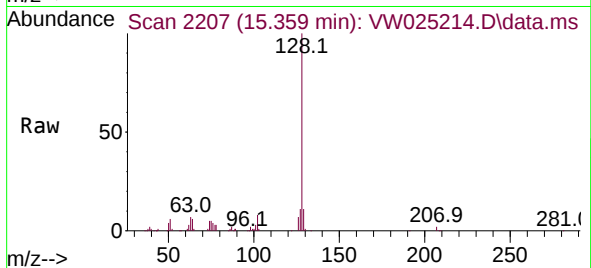
Tgt Ion:128 Resp: 47071

Ion Ratio Lower Upper

128 100

127 12.2 10.6 16.0

129 11.5 9.0 13.6



#72

1,2,3-Trichlorobenzene

Concen: 2.986 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW025214.D

Acq: 03 Jan 2023 12:40

Tgt Ion:180 Resp: 20447

Ion Ratio Lower Upper

180 100

182 99.2 76.5 114.7

145 38.1 28.6 42.8

