

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW010323\
 Data File : VW025218.D
 Acq On : 03 Jan 2023 14:16
 Operator : SY/MD
 Sample : VSTD10003
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100403

Quant Time: Jan 04 00:38:09 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	535512	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	466948	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	195472	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	596242	95.904	ug/L	0.00
7) Chloroethane-d5	2.879	69	400383	102.209	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	1318911	96.860	ug/L	0.00
21) 2-Butanone-d5	7.073	46	328455	208.456	ug/L	0.00
24) Chloroform-d	7.646	84	1358471	101.215	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	672083	97.211	ug/L	0.00
32) Benzene-d6	8.274	84	2826799	100.815	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	831382	101.360	ug/L	0.00
41) Toluene-d8	10.323	98	2593484	101.629	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	374090	106.510	ug/L	0.00
47) 2-Hexanone-d5	10.920	63	279627	216.352	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	584499	101.899	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	659338	94.935	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.001	85	315039	103.719	ug/L	96
3) Chloromethane	2.208	50	520836	97.278	ug/L	99
5) Vinyl chloride	2.355	62	612564	89.700	ug/L	100
6) Bromomethane	2.775	94	317198	88.488	ug/L	96
8) Chloroethane	2.910	64	304331	95.610	ug/L	98
9) Trichlorofluoromethane	3.251	101	446416	94.377	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	644093	93.563	ug/L	98
12) 1,1-Dichloroethene	4.037	96	630070	94.902	ug/L	94
13) Acetone	4.117	43	297625	161.511	ug/L	99
14) Carbon disulfide	4.379	76	2045668	92.991	ug/L	99
15) Methyl Acetate	4.665	43	247157	92.828	ug/L	99
16) Methylene chloride	4.909	84	629173	75.962	ug/L	96
17) trans-1,2-Dichloroethene	5.421	96	680937	95.754	ug/L	97
18) Methyl tert-butyl Ether	5.427	73	925181	92.818	ug/L	99
19) 1,1-Dichloroethane	6.214	63	1184721	94.703	ug/L	98
20) cis-1,2-Dichloroethene	7.165	96	712061	96.340	ug/L	95
22) 2-Butanone	7.165	43	372881	182.107	ug/L	99
23) Bromochloromethane	7.518	128	298190	96.655	ug/L	90
25) Chloroform	7.671	83	1169021	95.045	ug/L	97
27) 1,2-Dichloroethane	8.396	62	719853	94.558	ug/L	99
29) Cyclohexane	7.957	56	1189112	96.611	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	999130	96.343	ug/L	99
31) Carbon tetrachloride	8.067	117	909171	96.263	ug/L	100
33) Benzene	8.323	78	2670132	94.592	ug/L	100
34) Trichloroethene	9.091	95	702097	95.375	ug/L	96
35) Methylcyclohexane	9.335	83	1282871	96.034	ug/L	99
37) 1,2-Dichloropropane	9.366	63	655988	94.507	ug/L	100
38) Bromodichloromethane	9.646	83	852397	98.236	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	1071782	101.223	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	711914	196.524	ug/L	99
42) Toluene	10.384	91	2833219	95.424	ug/L	98
44) trans-1,3-Dichloropropene	10.603	75	908742	100.324	ug/L	97

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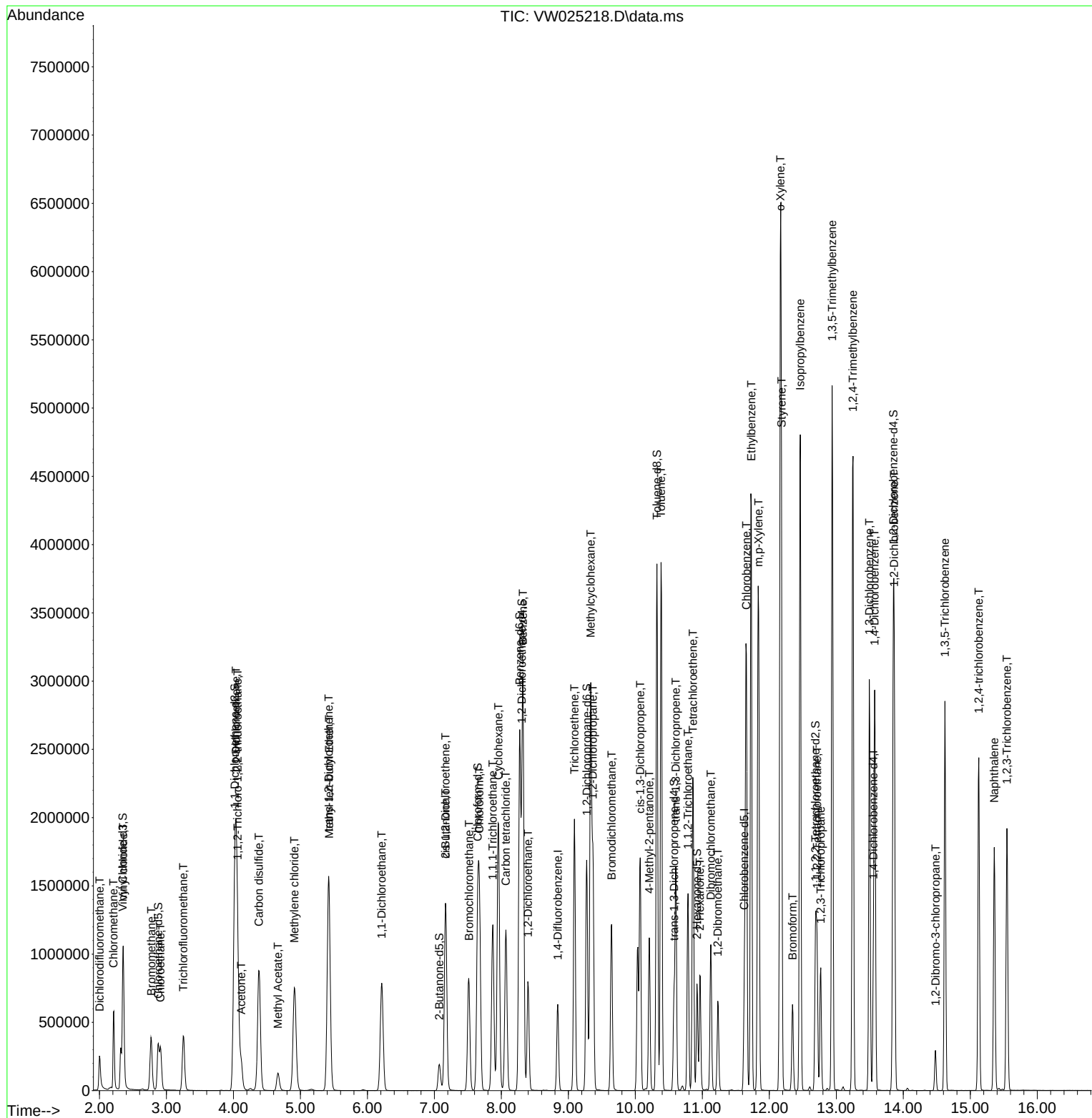
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.786	97	457471	95.014	ug/L	97
46) Tetrachloroethene	10.859	164	504421	93.262	ug/L	97
48) 2-Hexanone	10.963	43	529686	190.660	ug/L	98
49) Dibromochloromethane	11.128	129	570948	101.610	ug/L	93
50) 1,2-Dibromoethane	11.231	107	445870	97.890	ug/L #	97
51) Chlorobenzene	11.658	112	1771411	95.525	ug/L	98
52) Ethylbenzene	11.731	91	3165263	95.665	ug/L	97
53) m,p-Xylene	11.841	106	1232941	96.423	ug/L	97
54) o-Xylene	12.164	106	1175202	99.861	ug/L	97
55) Styrene	12.182	104	1990323	99.518	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.713	83	525664	97.908	ug/L	99
59) Bromoform	12.347	173	280307	108.716	ug/L	100
60) Isopropylbenzene	12.463	105	3189344	108.283	ug/L	100
61) 1,2,3-Trichloropropane	12.768	75	382229	104.815	ug/L	100
62) 1,3,5-Trimethylbenzene	12.938	105	2756304	110.375	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	2648928	107.532	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	1149410	95.473	ug/L	95
65) 1,4-Dichlorobenzene	13.572	146	1101285	92.305	ug/L	93
67) 1,2-Dichlorobenzene	13.865	146	955184	91.931	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.481	75	78182	95.718	ug/L	90
69) 1,3,5-Trichlorobenzene	14.621	180	777781	90.678	ug/L	99
70) 1,2,4-trichlorobenzene	15.127	180	724549	99.475	ug/L	94
71) Naphthalene	15.358	128	1500915	105.144	ug/L	99
72) 1,2,3-Trichlorobenzene	15.547	180	606878	97.135	ug/L	98

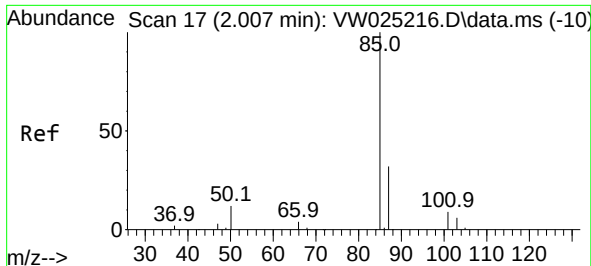
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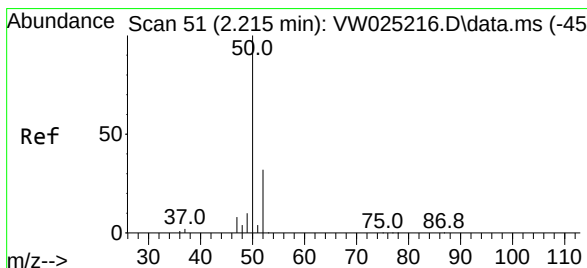
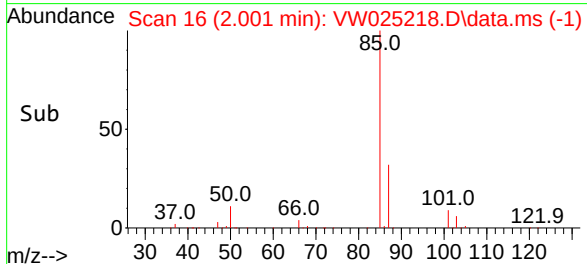
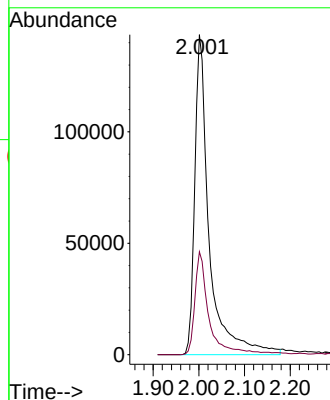
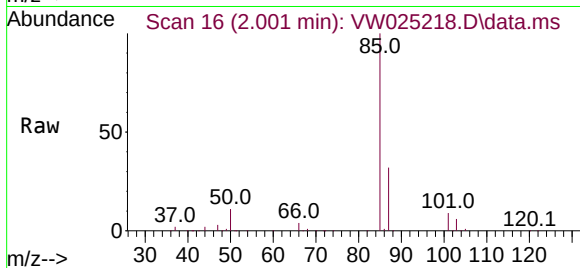




#2
Dichlorodifluoromethane
Concen: 103.719 ug/L
RT: 2.001 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW025218.D
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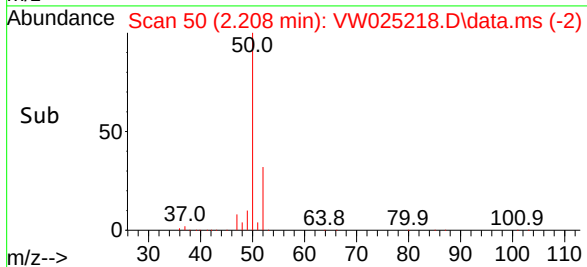
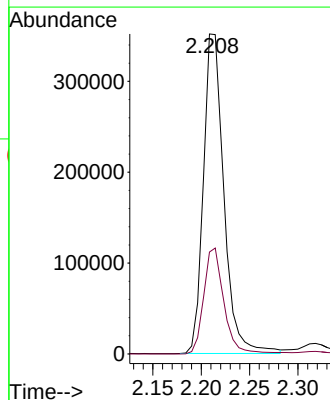
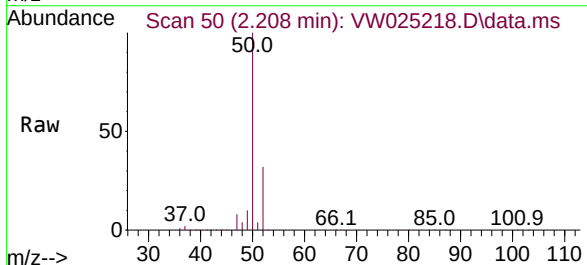
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MSVOA_W
ClientSampleId :
VSTD100403

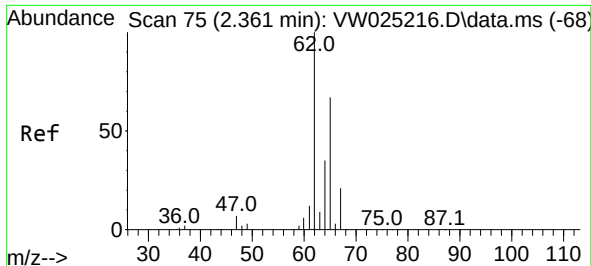
Tgt Ion: 85 Resp: 315039
Ion Ratio Lower Upper
85 100
87 30.7 26.6 39.8



#3
Chloromethane
Concen: 97.278 ug/L
RT: 2.208 min Scan# 50
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 50 Resp: 520836
Ion Ratio Lower Upper
50 100
52 31.9 22.7 42.1

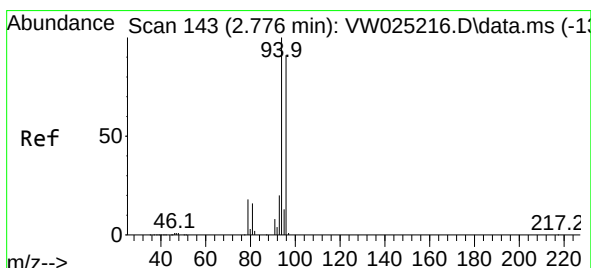
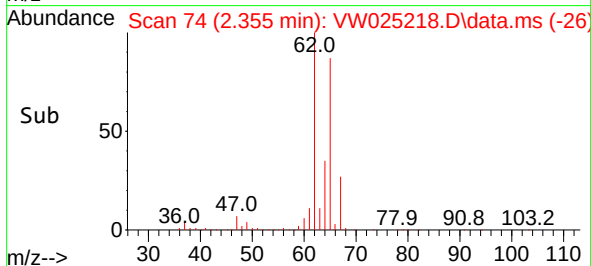
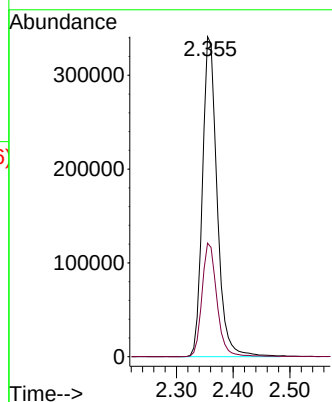
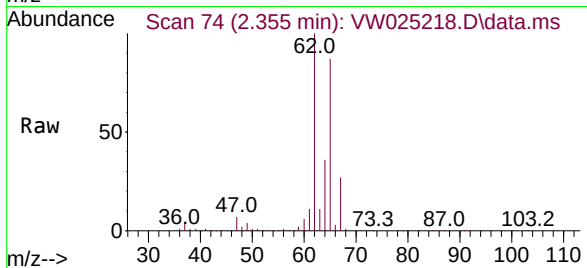




#5
 Vinyl chloride
 Concen: 89.700 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW025218.D
 Acq: 03 Jan 2023 14:16

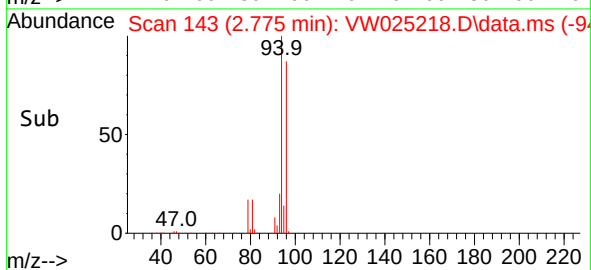
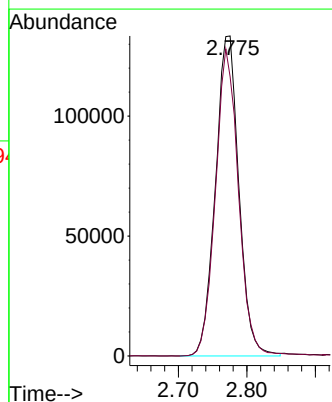
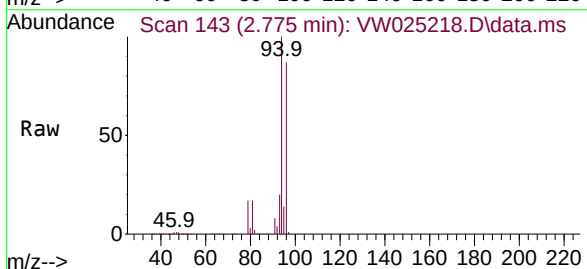
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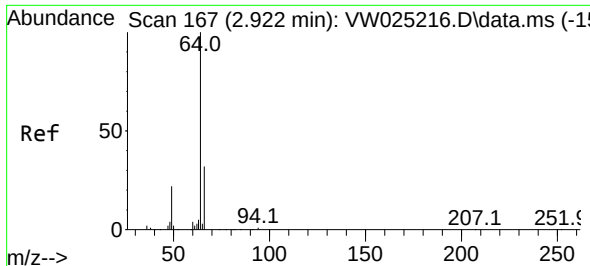
Tgt Ion: 62 Resp: 612564
 Ion Ratio Lower Upper
 62 100
 64 35.5 24.8 46.1



#6
 Bromomethane
 Concen: 88.488 ug/L
 RT: 2.775 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VW025218.D
 Acq: 03 Jan 2023 14:16

Tgt Ion: 94 Resp: 317198
 Ion Ratio Lower Upper
 94 100
 96 87.3 63.9 118.7

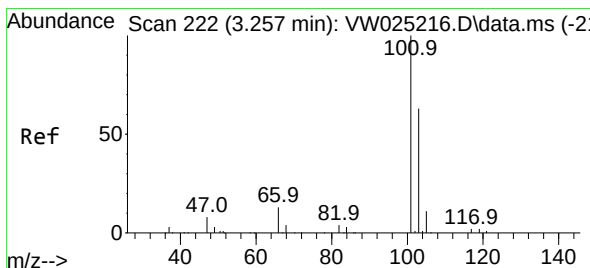
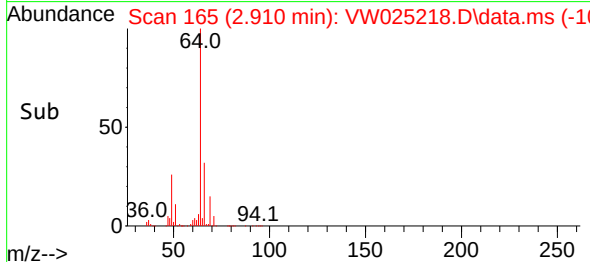
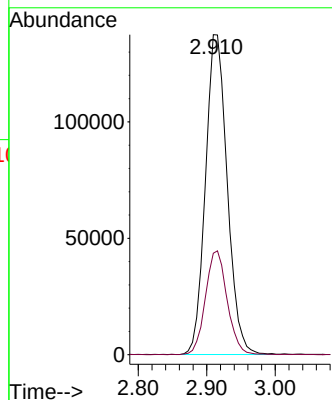
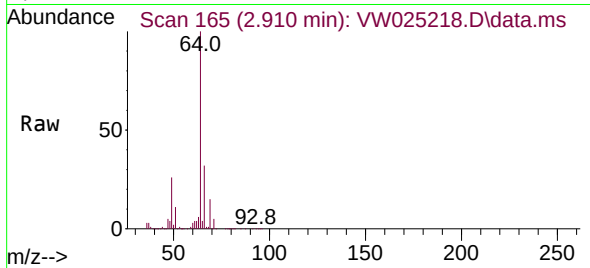




#8
Chloroethane
Concen: 95.610 ug/L
RT: 2.910 min Scan# 165
Delta R.T. -0.012 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

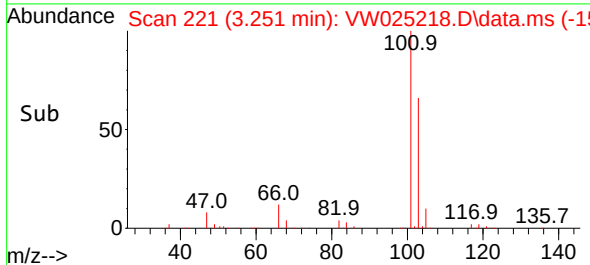
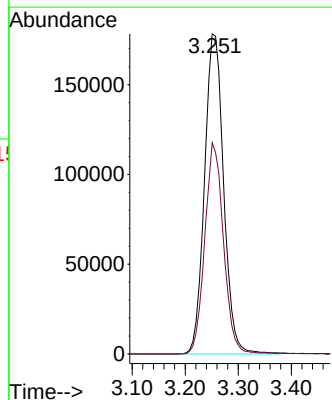
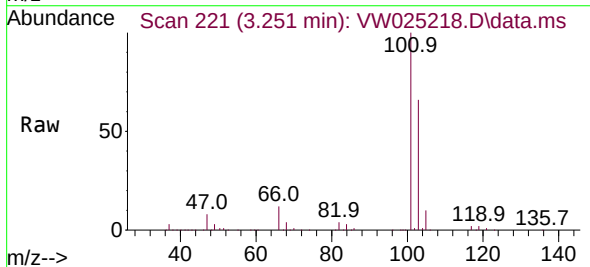
Instrument :
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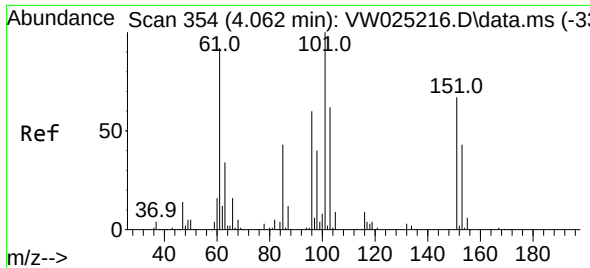
Tgt Ion: 64 Resp: 304331
Ion Ratio Lower Upper
64 100
66 31.7 22.9 42.5



#9
Trichlorofluoromethane
Concen: 94.377 ug/L
RT: 3.251 min Scan# 221
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 101 Resp: 446416
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

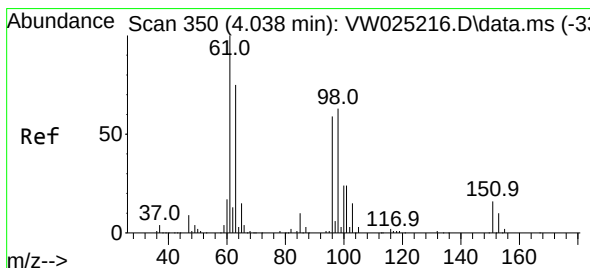
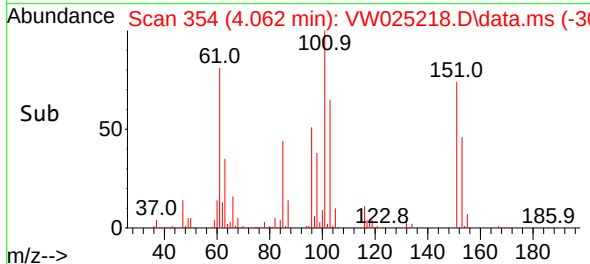
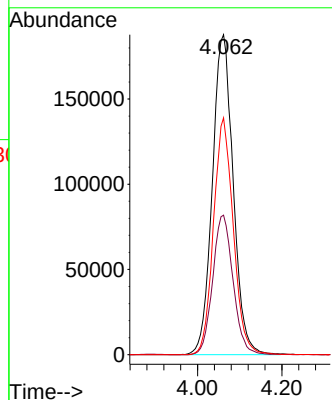
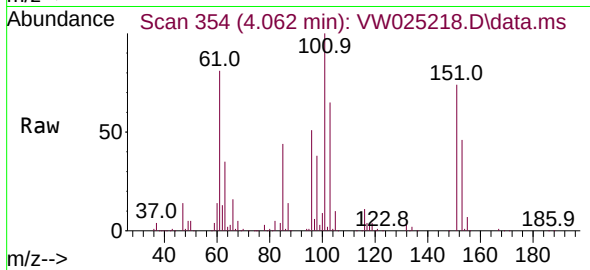




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 93.563 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VW025218.D
 Acq: 03 Jan 2023 14:16

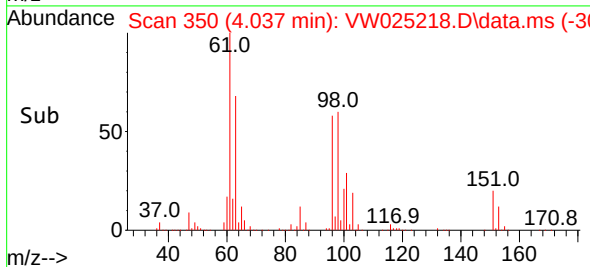
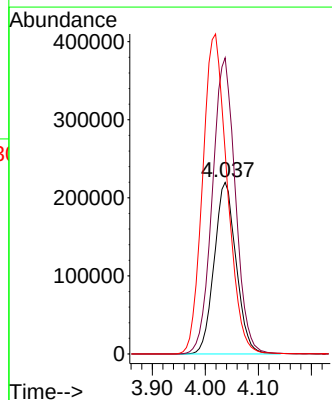
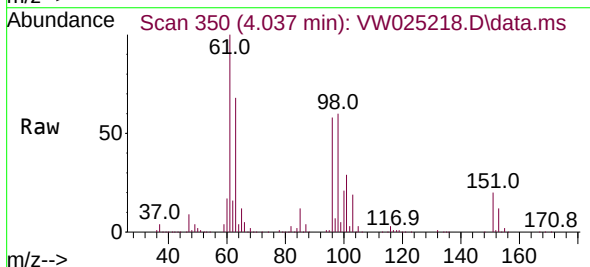
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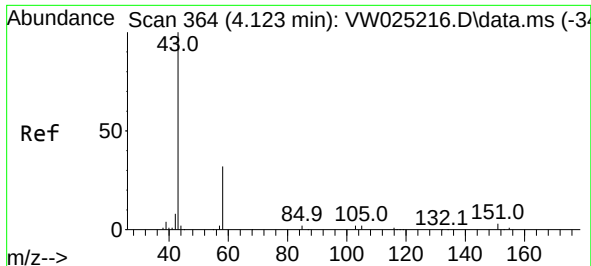
Tgt Ion:101 Resp: 644093
 Ion Ratio Lower Upper
 101 100
 85 42.5 33.8 50.8
 151 70.2 54.6 82.0



#12
 1,1-Dichloroethene
 Concen: 94.902 ug/L
 RT: 4.037 min Scan# 350
 Delta R.T. -0.000 min
 Lab File: VW025218.D
 Acq: 03 Jan 2023 14:16

Tgt Ion: 96 Resp: 630070
 Ion Ratio Lower Upper
 96 100
 61 172.6 119.3 221.5
 63 117.9 91.3 169.6

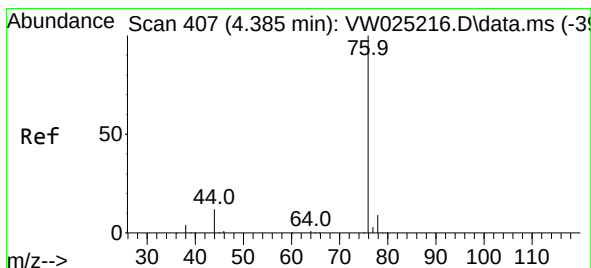
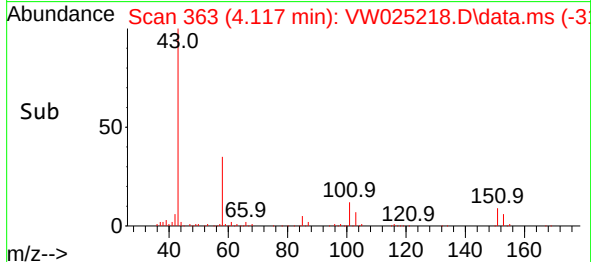
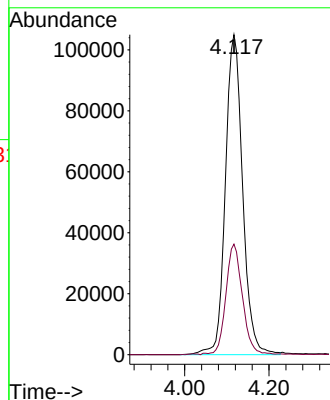
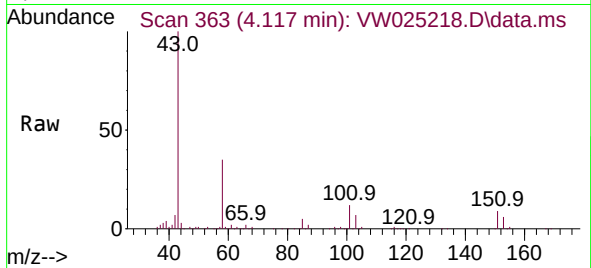




#13
Acetone
Concen: 161.511 ug/L
RT: 4.117 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW025218.D
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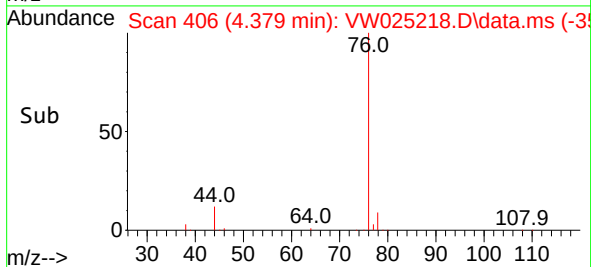
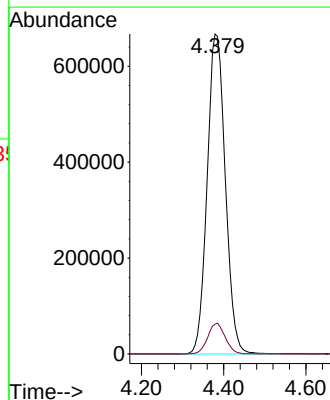
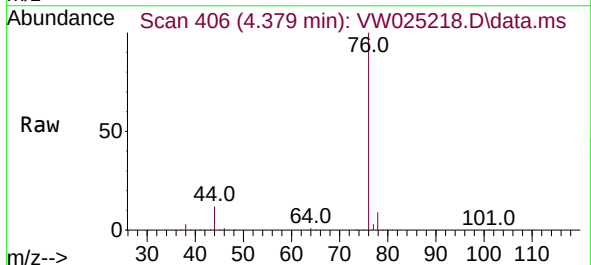
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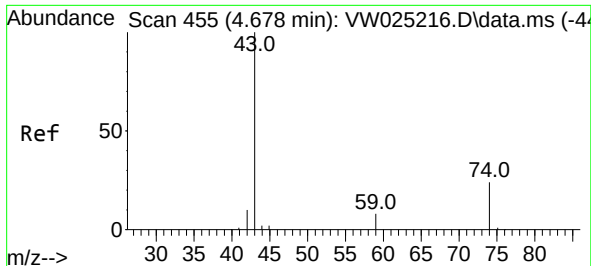
Tgt Ion: 43 Resp: 297625
Ion Ratio Lower Upper
43 100
58 33.0 0.0 66.8



#14
Carbon disulfide
Concen: 92.991 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 76 Resp: 2045668
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

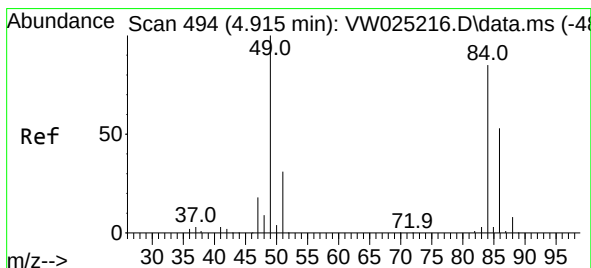
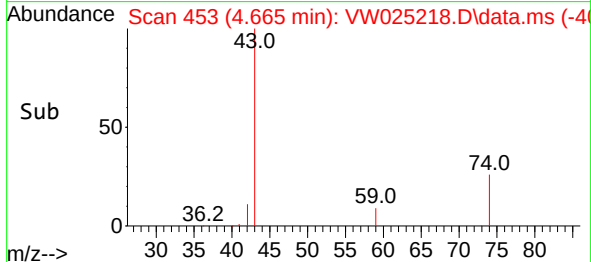
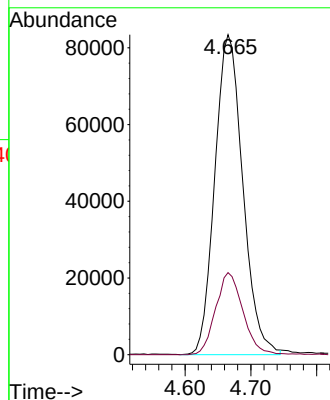
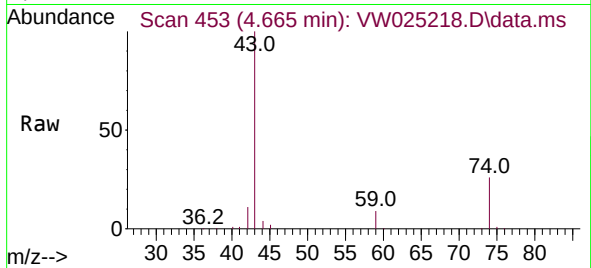




#15
Methyl Acetate
Concen: 92.828 ug/L
RT: 4.665 min Scan# 41
Delta R.T. -0.012 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

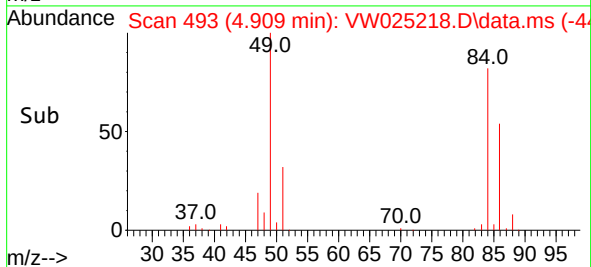
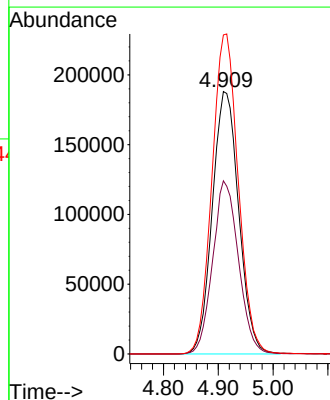
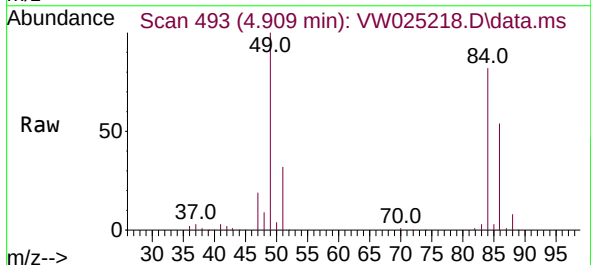
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

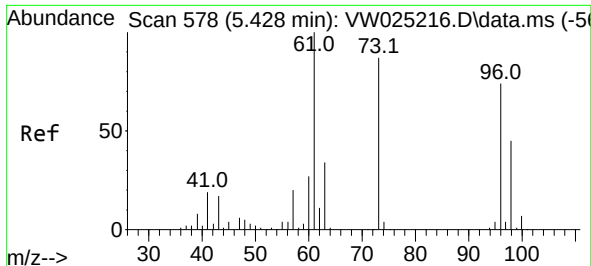
Tgt Ion: 43 Resp: 247157
Ion Ratio Lower Upper
43 100
74 24.8 20.4 30.6



#16
Methylene chloride
Concen: 75.962 ug/L
RT: 4.909 min Scan# 493
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 84 Resp: 629173
Ion Ratio Lower Upper
84 100
86 65.9 43.4 80.6
49 121.6 82.0 152.2

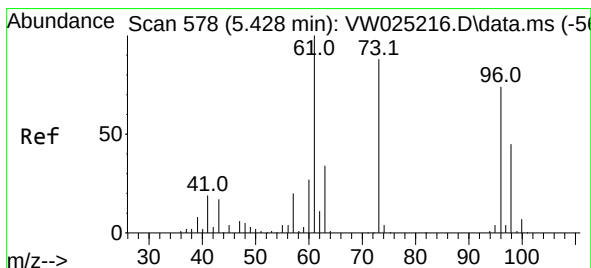
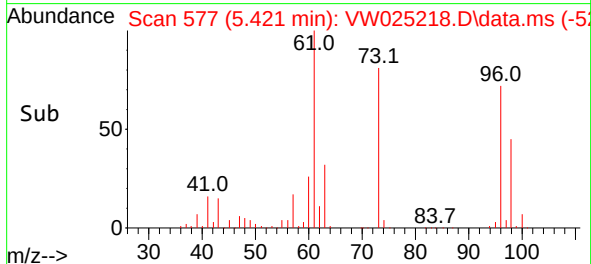
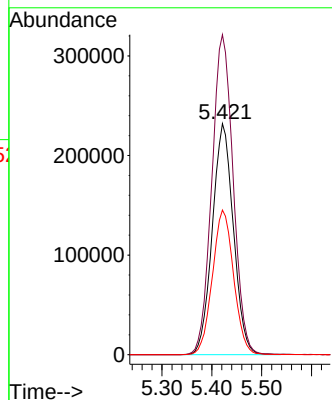
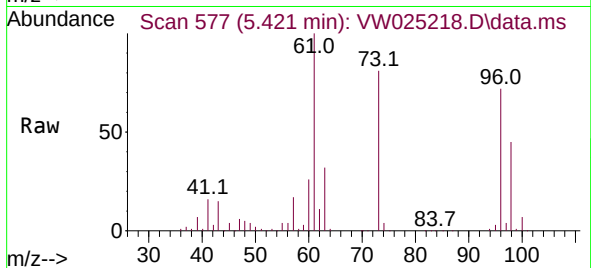




#17
trans-1,2-Dichloroethene
Concen: 95.754 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

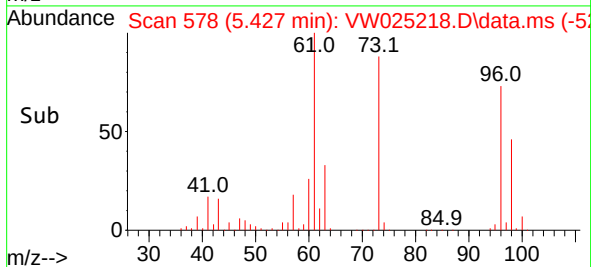
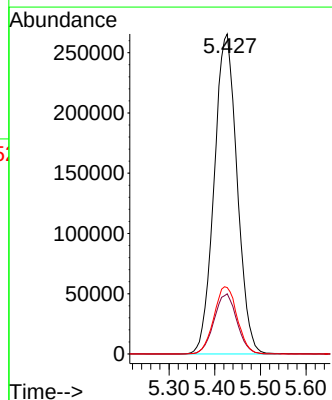
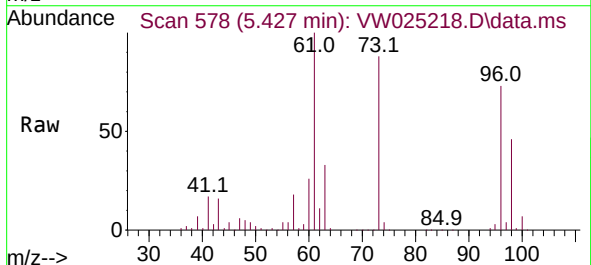
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

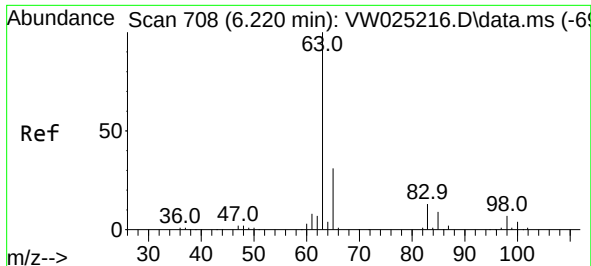
Tgt Ion: 96 Resp: 680937
Ion Ratio Lower Upper
96 100
61 138.5 94.2 175.0
98 62.6 42.8 79.6



#18
Methyl tert-butyl Ether
Concen: 92.818 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 73 Resp: 925181
Ion Ratio Lower Upper
73 100
43 18.8 15.2 22.8
57 21.3 17.8 26.6





#19

1,1-Dichloroethane

Concen: 94.703 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD100403

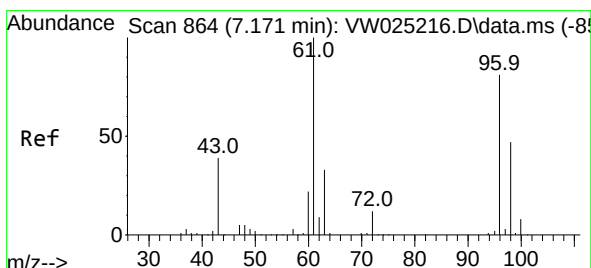
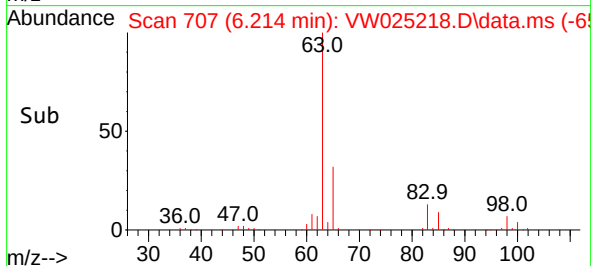
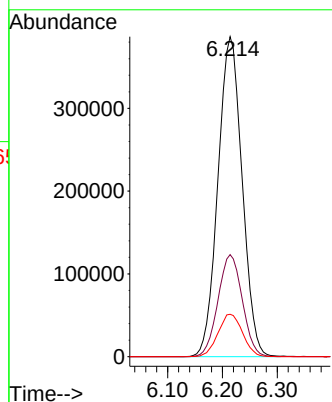
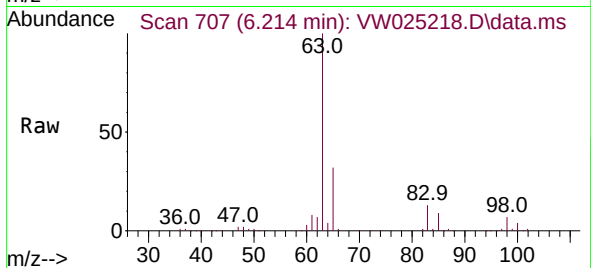
Tgt Ion: 63 Resp: 1184721

Ion Ratio Lower Upper

63 100

65 31.9 21.7 40.3

83 13.2 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 96.340 ug/L

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

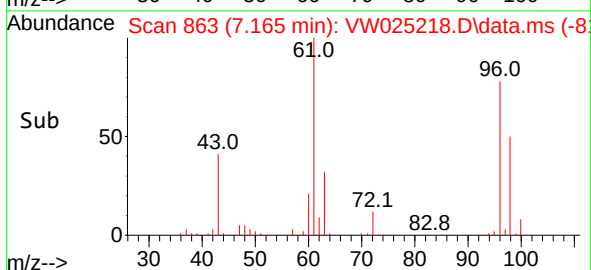
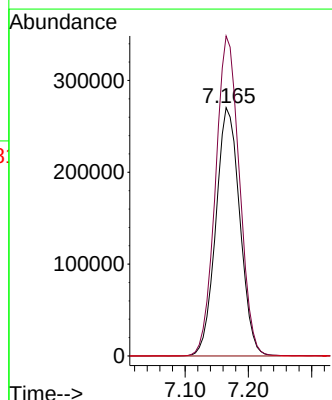
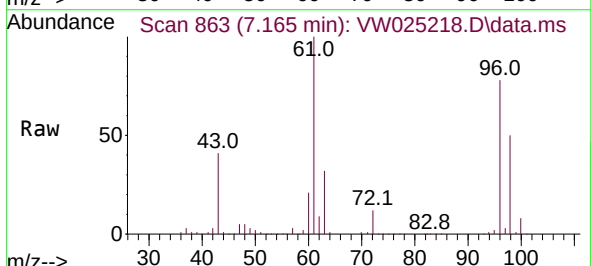
Tgt Ion: 96 Resp: 712061

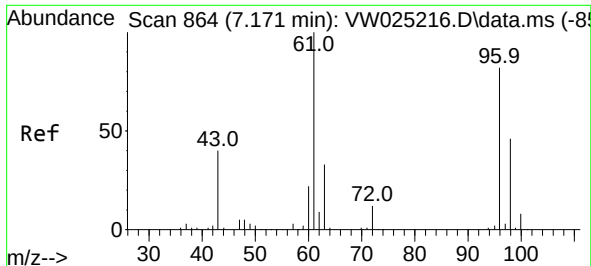
Ion Ratio Lower Upper

96 100

61 128.8 86.0 159.8

68 0.0 0.0 0.0

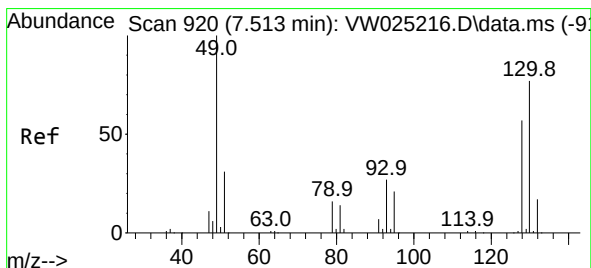
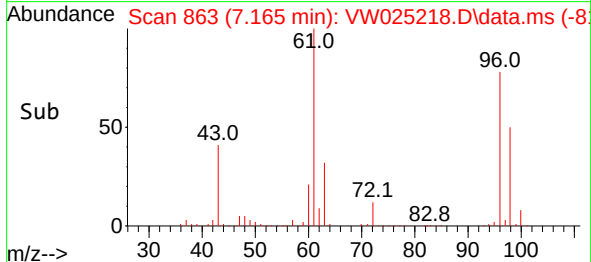
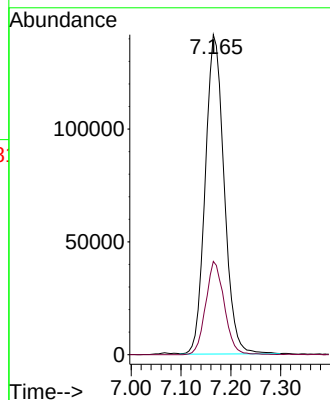
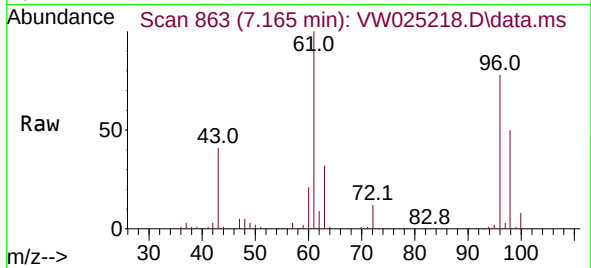




#22
2-Butanone
Concen: 182.107 ug/L
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

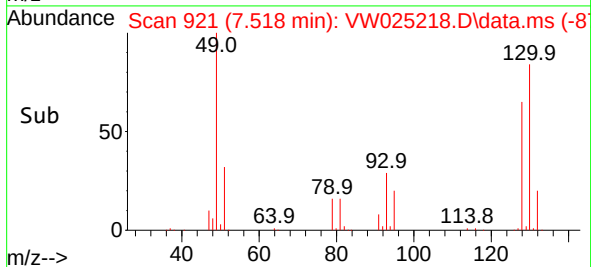
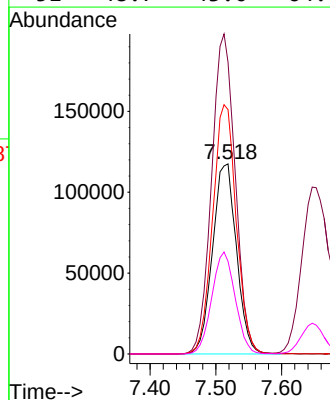
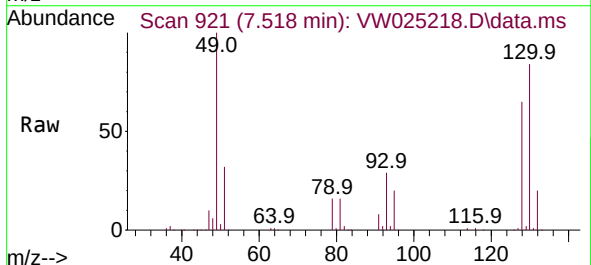
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

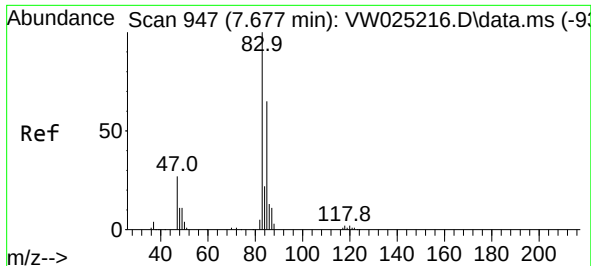
Tgt Ion: 43 Resp: 372881
Ion Ratio Lower Upper
43 100
72 28.6 14.7 44.1



#23
Bromochloromethane
Concen: 96.655 ug/L
RT: 7.518 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 128 Resp: 298190
Ion Ratio Lower Upper
128 100
49 153.4 122.1 226.7
130 128.5 94.0 174.6
51 48.7 43.0 64.6

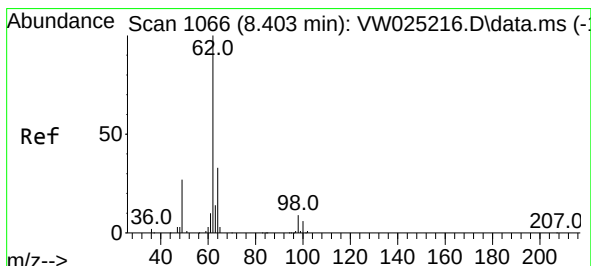
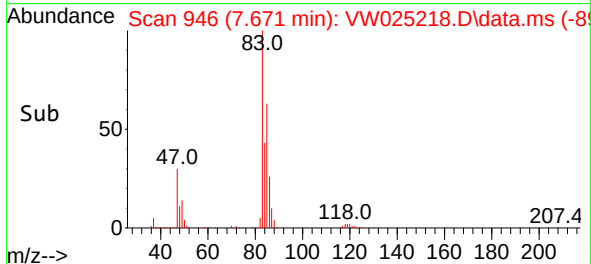
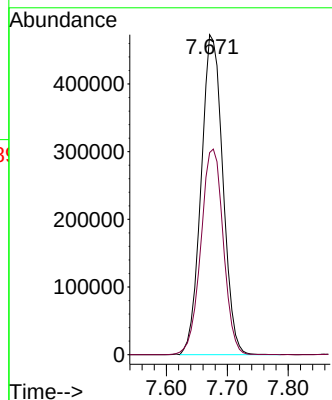
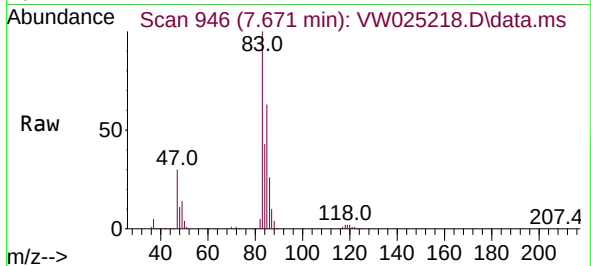




#25
Chloroform
Concen: 95.045 ug/L
RT: 7.671 min Scan# 94
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

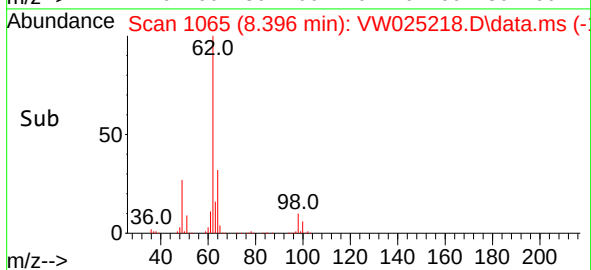
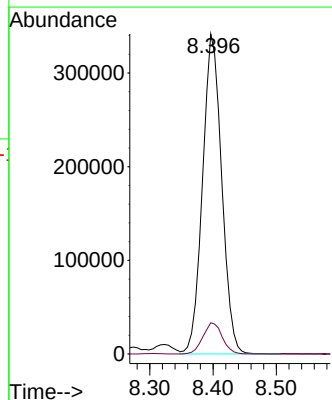
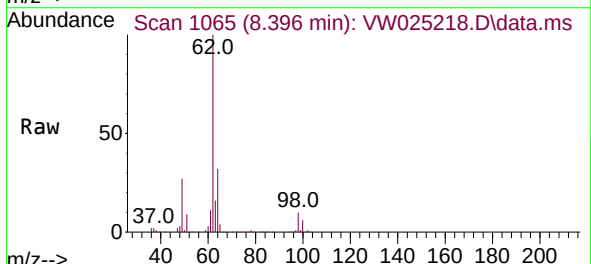
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

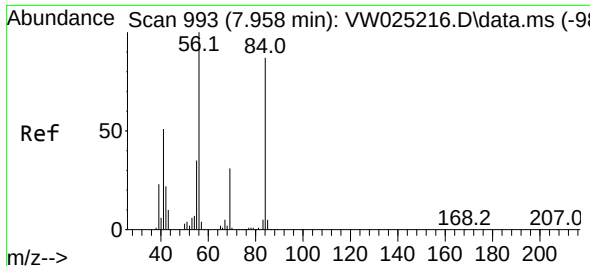
Tgt Ion: 83 Resp: 1169021
Ion Ratio Lower Upper
83 100
85 63.2 45.8 85.2



#27
1,2-Dichloroethane
Concen: 94.558 ug/L
RT: 8.396 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

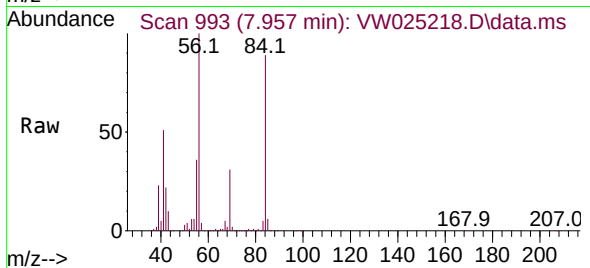
Tgt Ion: 62 Resp: 719853
Ion Ratio Lower Upper
62 100
98 9.7 7.5 11.3





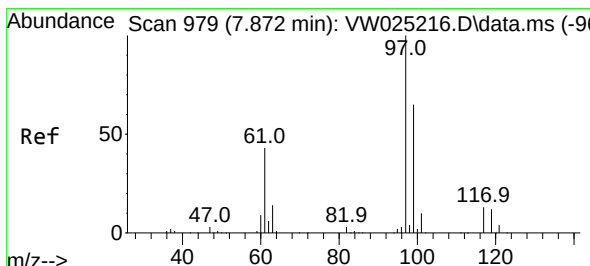
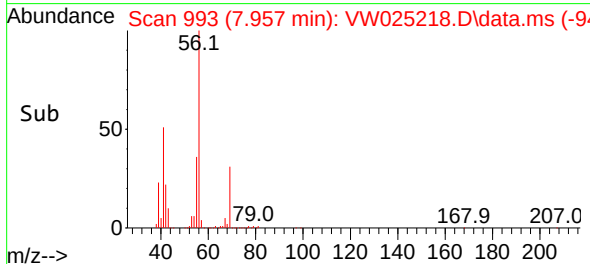
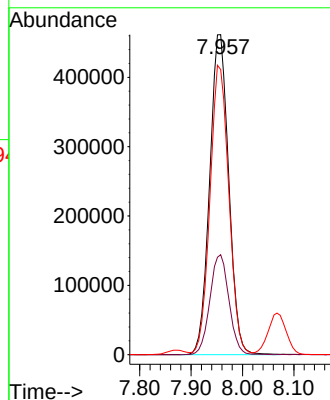
#29
Cyclohexane
Concen: 96.611 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD100403



Tgt Ion: 56 Resp: 1189112

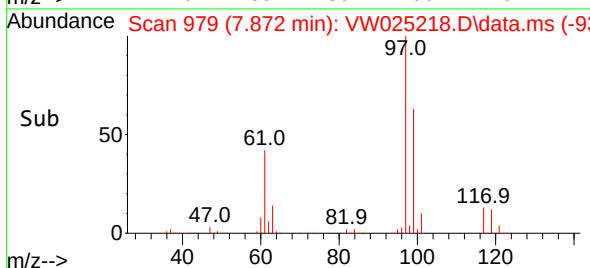
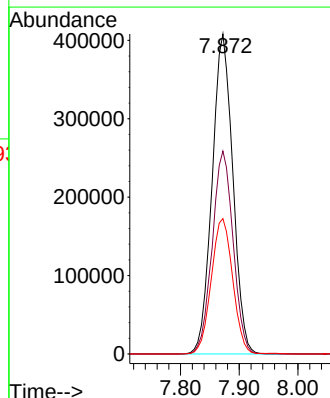
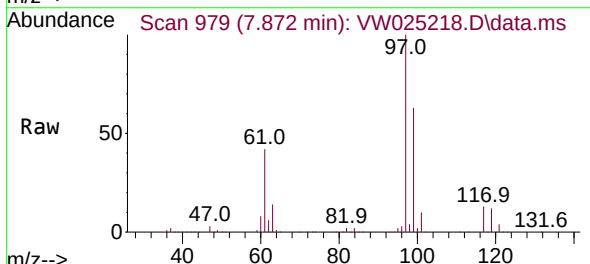
Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.1	37.7
84	89.4	71.0	106.4

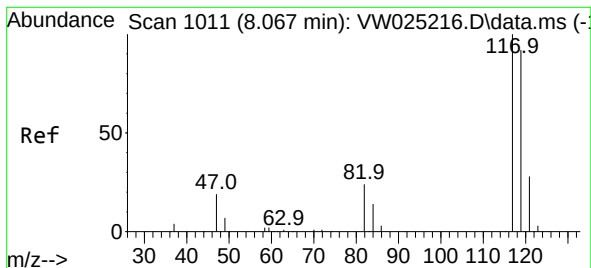


#30
1,1,1-Trichloroethane
Concen: 96.343 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 97 Resp: 999130

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.9	77.9
61	43.7	35.6	53.4

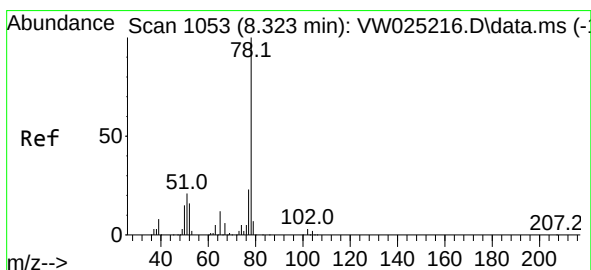
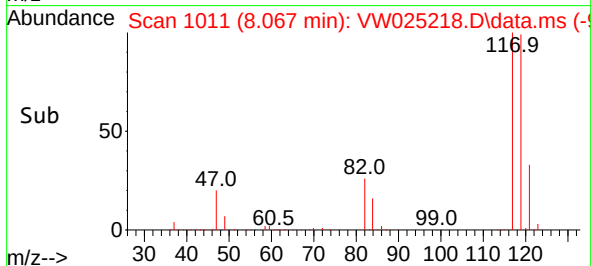
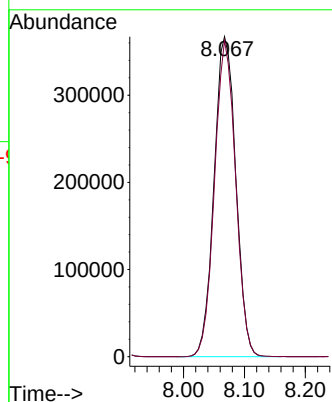
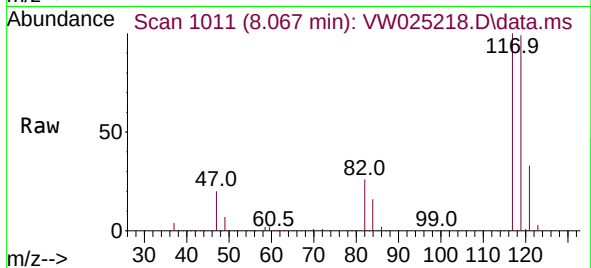




#31
Carbon tetrachloride
Concen: 96.263 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

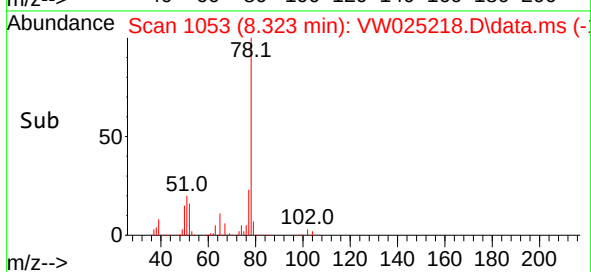
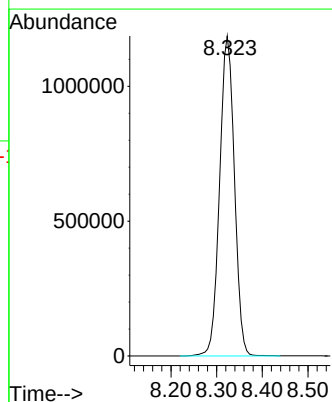
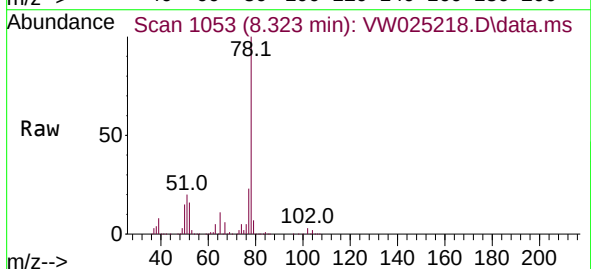
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

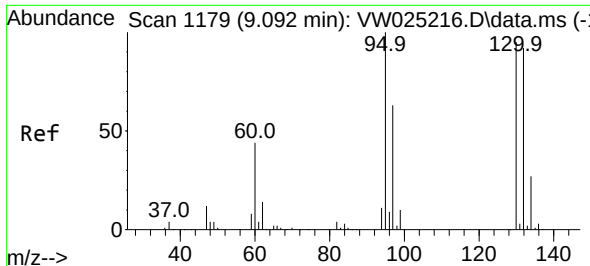
Tgt Ion:117 Resp: 909171
Ion Ratio Lower Upper
117 100
119 95.7 76.3 114.5



#33
Benzene
Concen: 94.592 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 78 Resp: 2670132



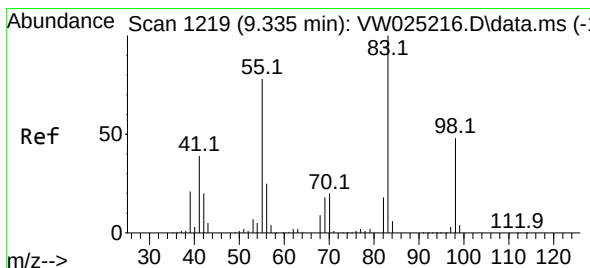
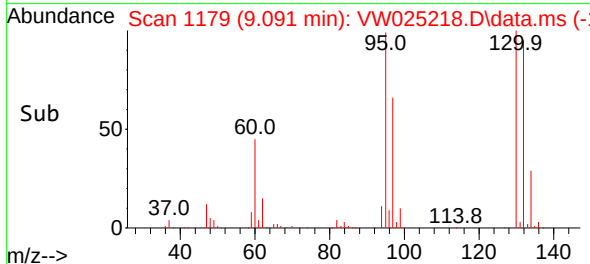
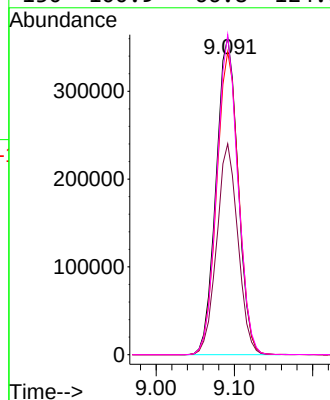
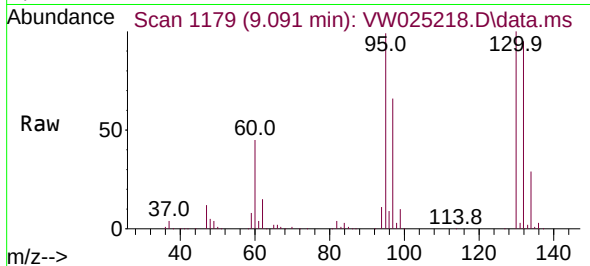


#34
Trichloroethene
Concen: 95.375 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

Tgt Ion: 95 Resp: 702097

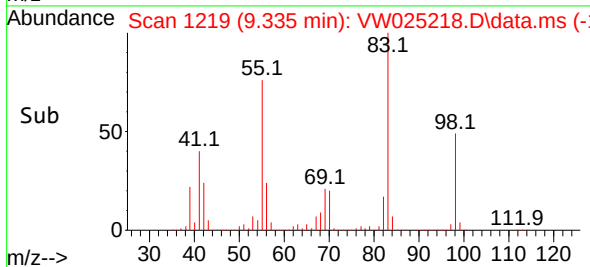
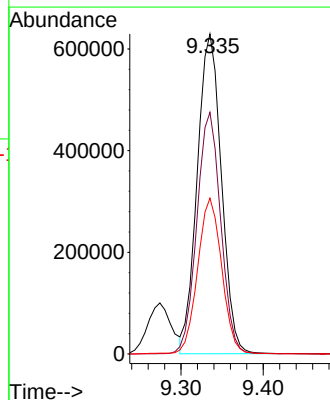
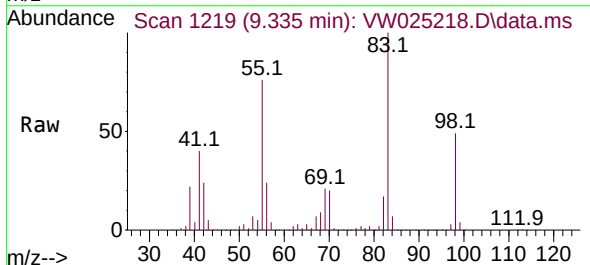
Ion	Ratio	Lower	Upper
95	100		
97	66.5	44.4	82.4
132	95.5	64.5	119.7
130	100.9	66.8	124.0

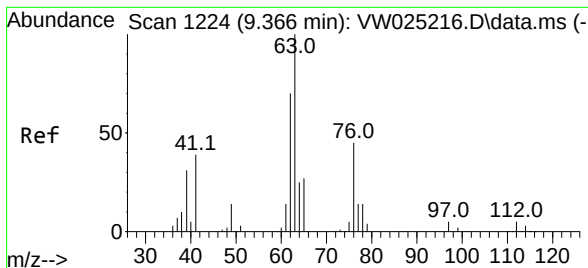


#35
Methylcyclohexane
Concen: 96.034 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 83 Resp: 1282871

Ion	Ratio	Lower	Upper
83	100		
55	74.6	61.0	91.4
98	48.6	38.6	58.0

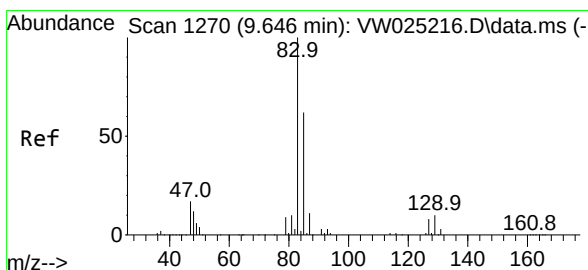
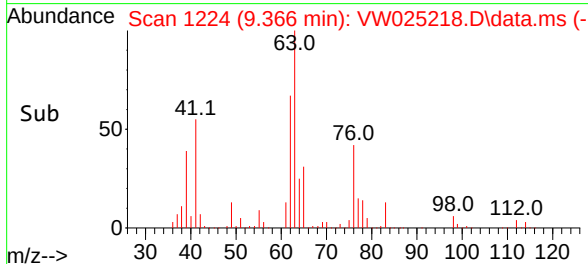
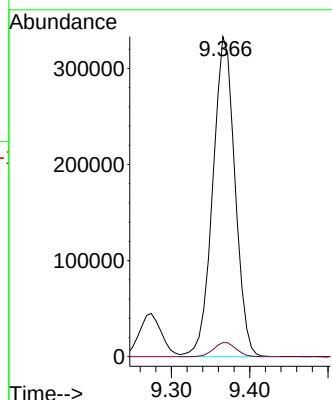
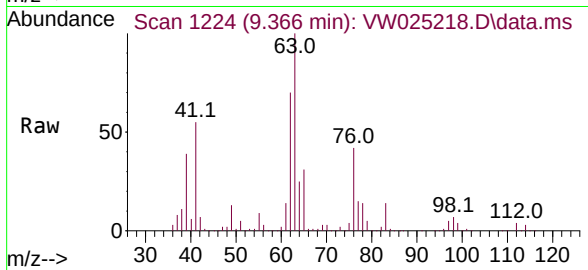




#37
1,2-Dichloropropane
Concen: 94.507 ug/L
RT: 9.366 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

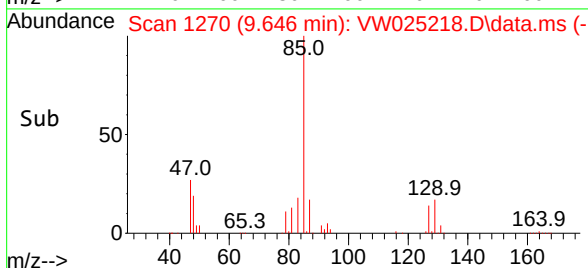
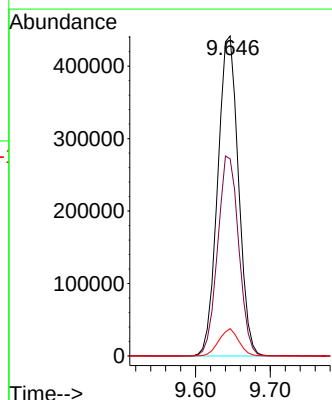
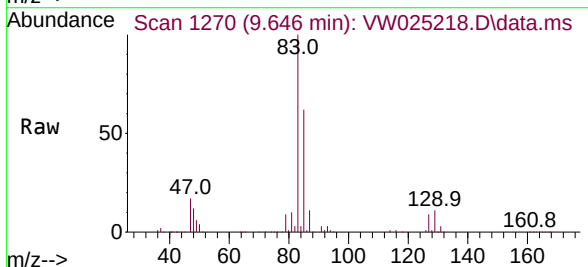
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

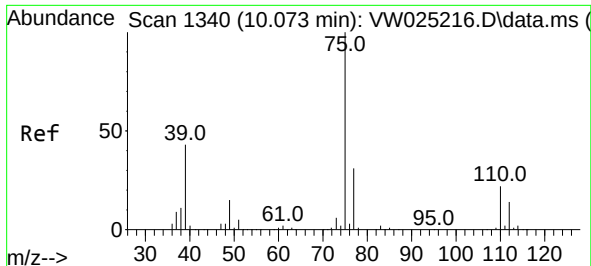
Tgt Ion: 63 Resp: 655988
Ion Ratio Lower Upper
63 100
112 4.5 3.7 5.5



#38
Bromodichloromethane
Concen: 98.236 ug/L
RT: 9.646 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 83 Resp: 852397
Ion Ratio Lower Upper
83 100
85 61.6 43.4 80.6
127 8.6 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 101.223 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

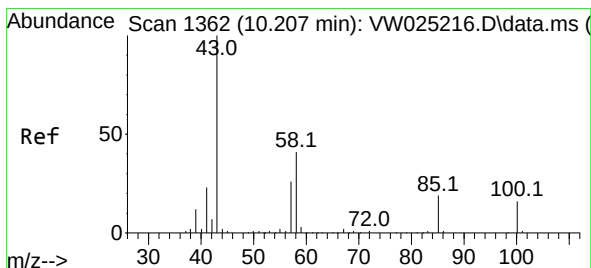
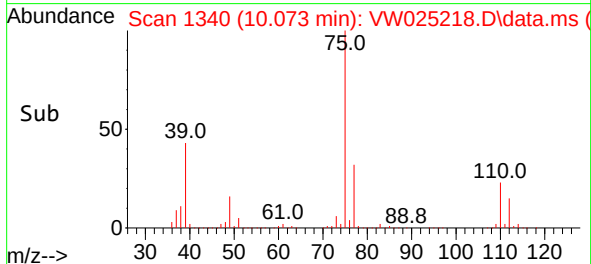
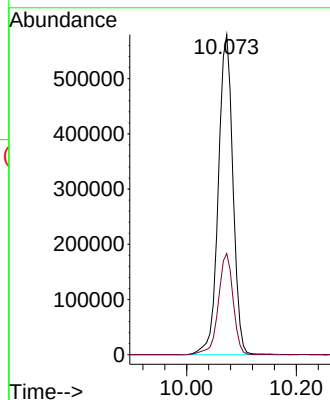
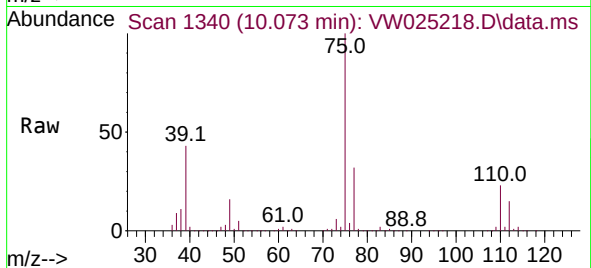
VSTD100403

Tgt Ion: 75 Resp: 1071782

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 196.524 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

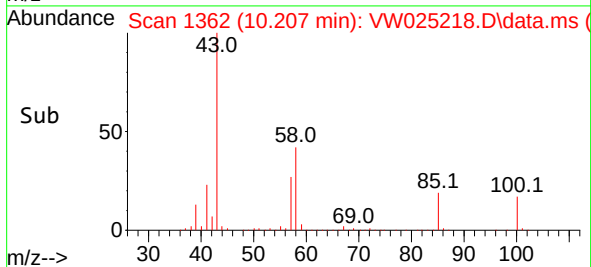
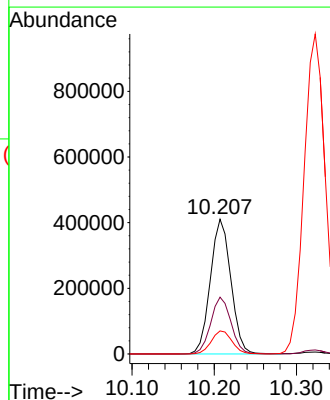
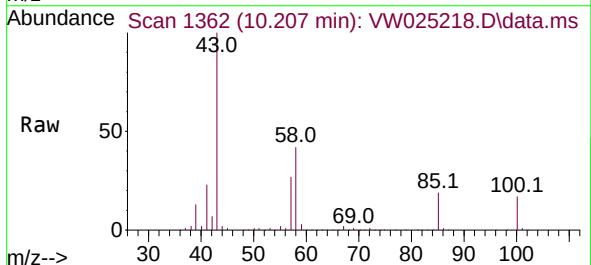
Tgt Ion: 43 Resp: 711914

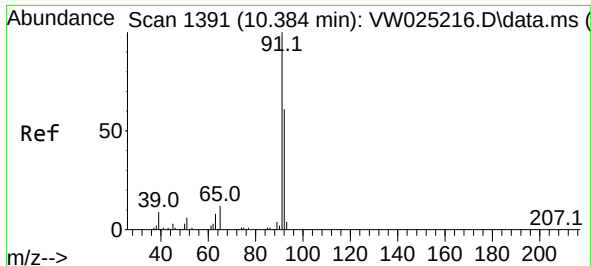
Ion Ratio Lower Upper

43 100

58 41.7 33.0 49.6

100 17.3 13.4 20.2

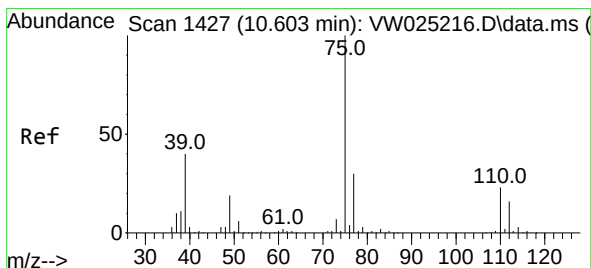
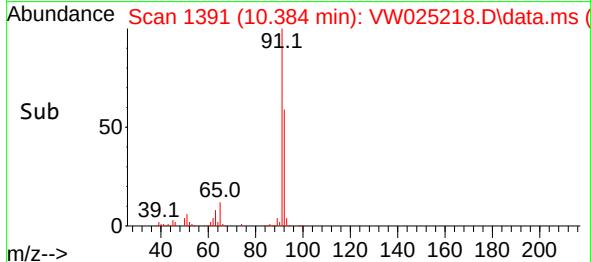
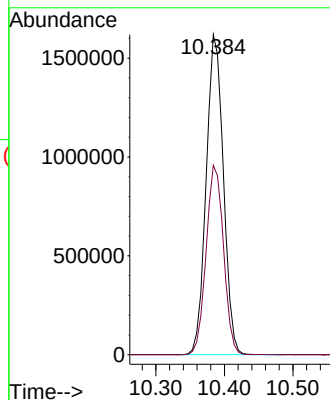
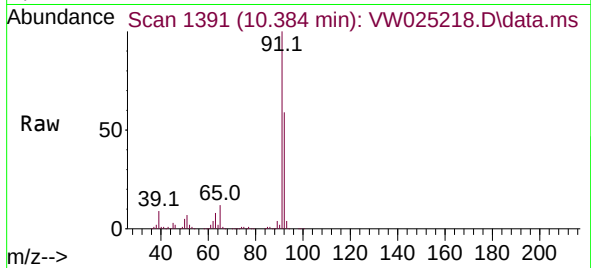




#42
Toluene
Concen: 95.424 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

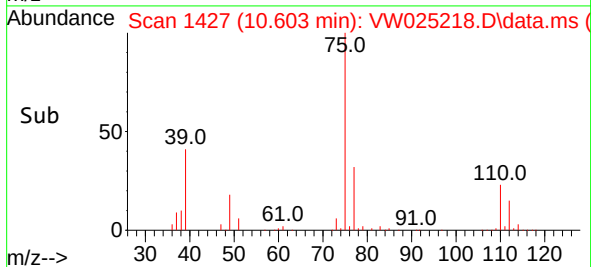
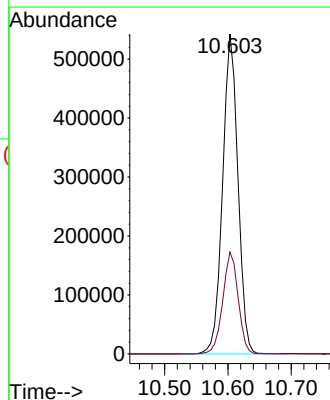
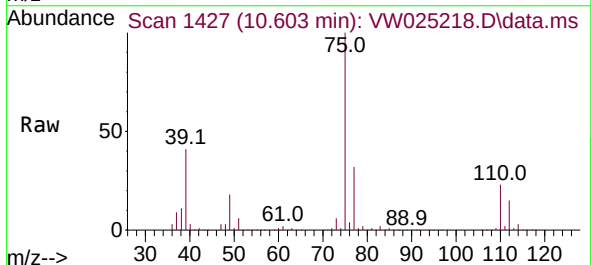
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

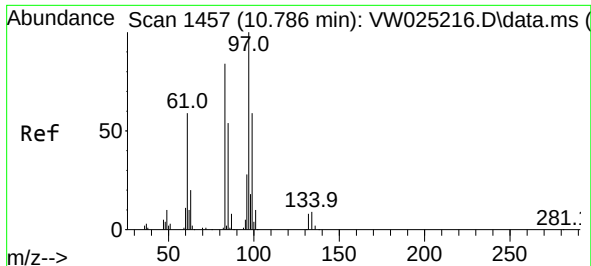
Tgt Ion: 91 Resp: 2833219
Ion Ratio Lower Upper
91 100
92 59.2 42.6 79.2



#44
trans-1,3-Dichloropropene
Concen: 100.324 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 75 Resp: 908742
Ion Ratio Lower Upper
75 100
77 31.9 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 95.014 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD100403

Tgt Ion: 97 Resp: 457471

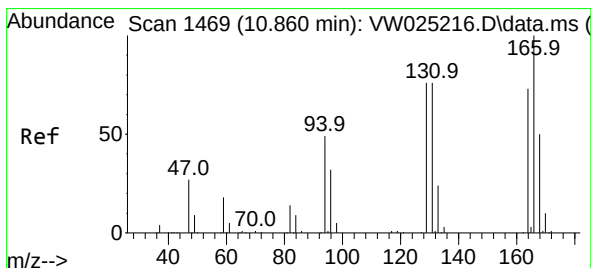
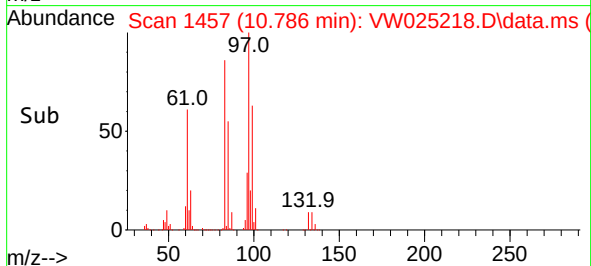
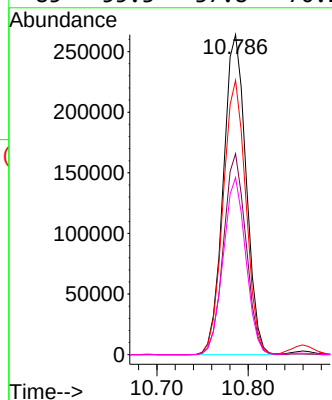
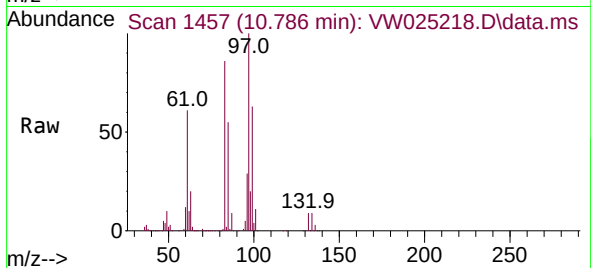
Ion Ratio Lower Upper

97 100

99 62.8 41.1 76.3

83 85.7 58.6 108.8

85 55.3 37.8 70.2



#46

Tetrachloroethene

Concen: 93.262 ug/L

RT: 10.859 min Scan# 1469

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Tgt Ion:164 Resp: 504421

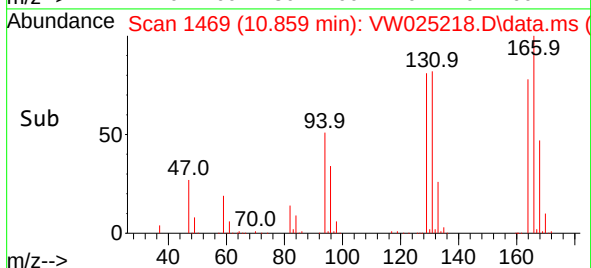
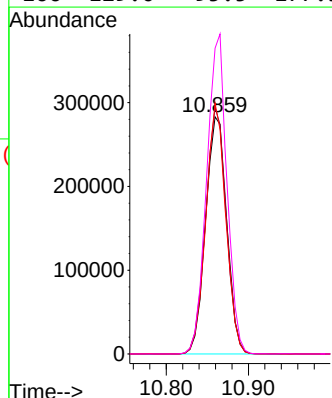
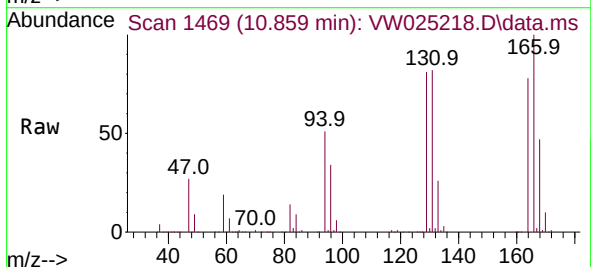
Ion Ratio Lower Upper

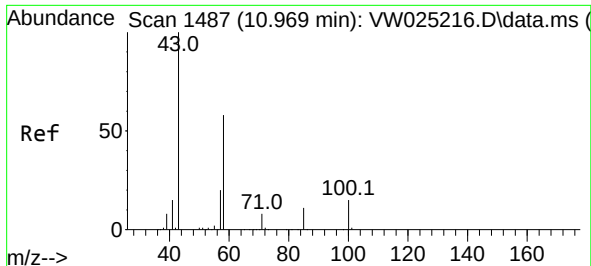
164 100

129 104.0 72.8 135.2

131 105.8 72.2 134.2

166 129.0 95.5 177.3

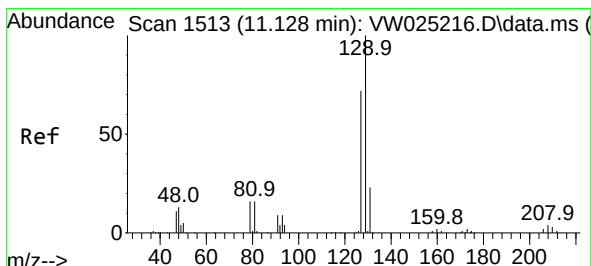
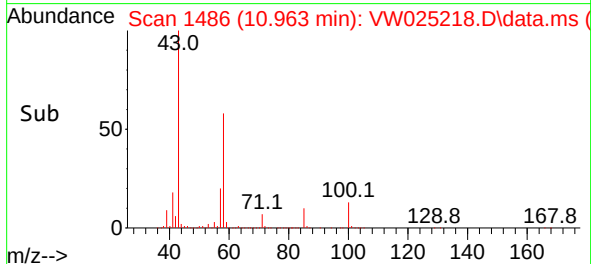
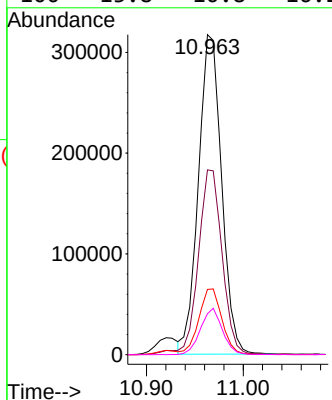
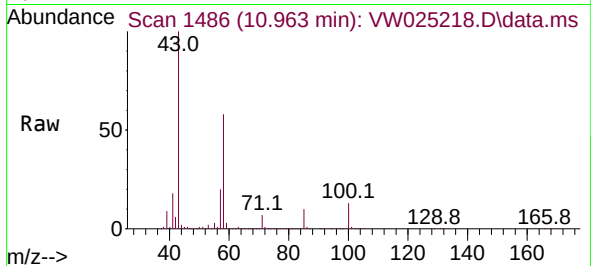




#48
2-Hexanone
Concen: 190.660 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

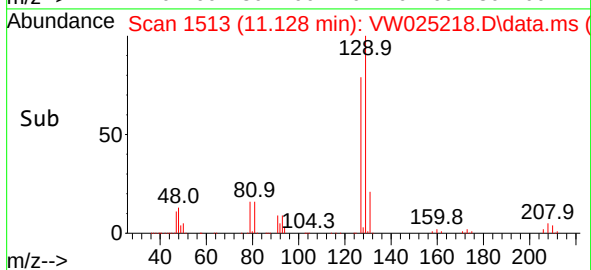
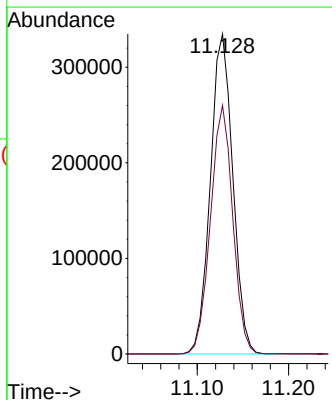
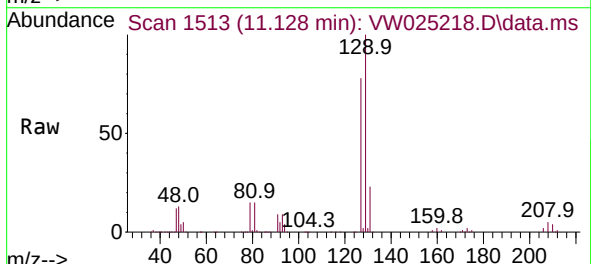
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

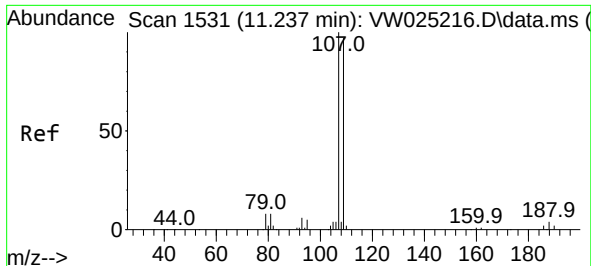
Tgt Ion: 43 Resp: 529686
Ion Ratio Lower Upper
43 100
58 58.8 45.8 68.6
57 20.7 16.2 24.4
100 13.8 10.8 16.2



#49
Dibromochloromethane
Concen: 101.610 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion:129 Resp: 570948
Ion Ratio Lower Upper
129 100
127 77.7 50.4 93.6





#50

1,2-Dibromoethane

Concen: 97.890 ug/L

RT: 11.231 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD100403

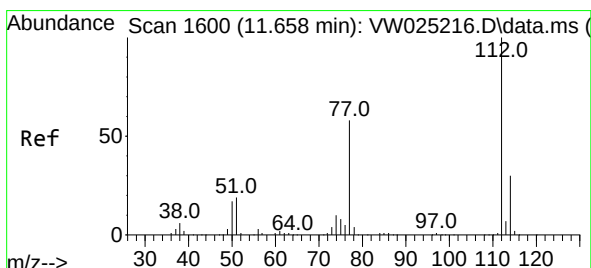
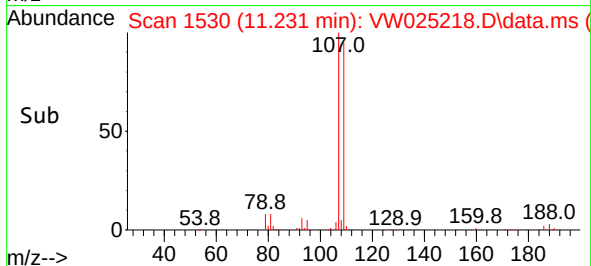
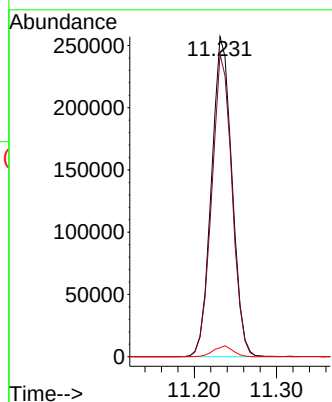
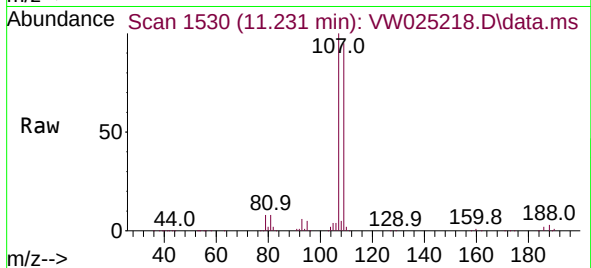
Tgt Ion:107 Resp: 445870

Ion Ratio Lower Upper

107 100

109 94.5 68.2 126.6

188 2.8 3.1 4.7#



#51

Chlorobenzene

Concen: 95.525 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

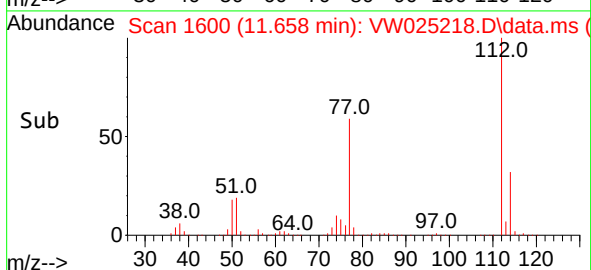
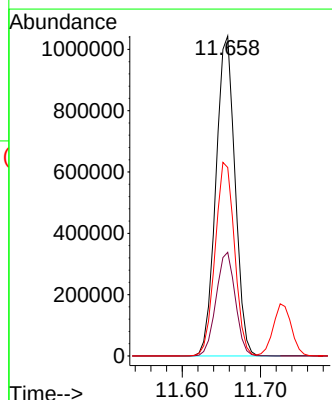
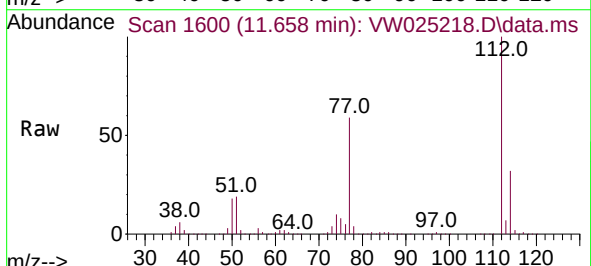
Tgt Ion:112 Resp: 1771411

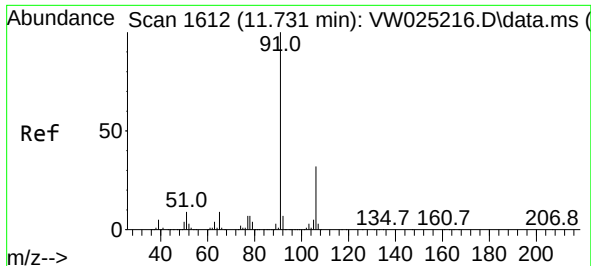
Ion Ratio Lower Upper

112 100

114 32.4 21.1 39.1

77 58.9 46.6 69.8

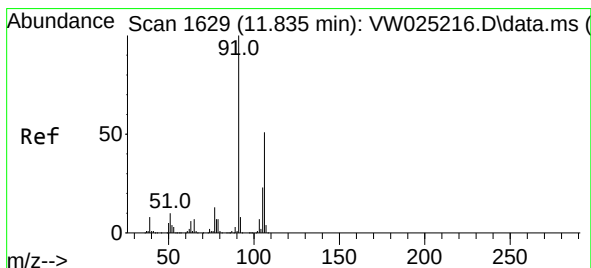
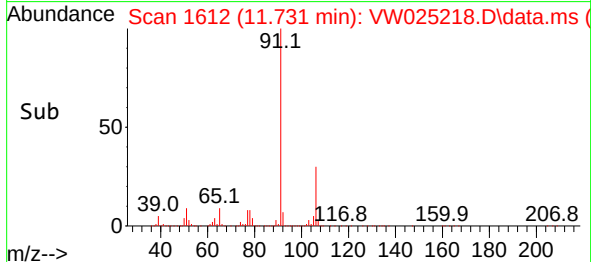
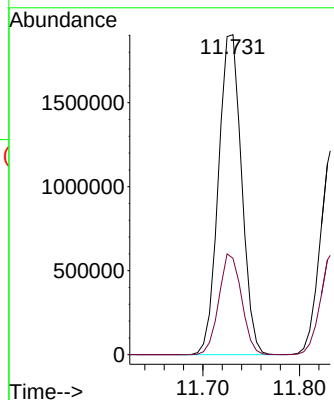
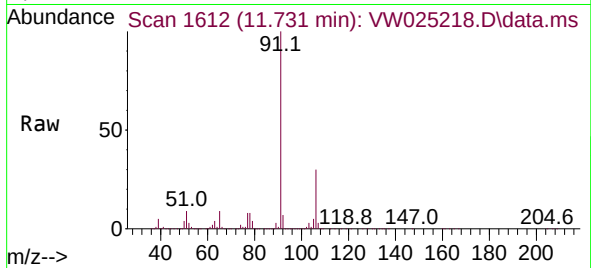




#52
Ethylbenzene
Concen: 95.665 ug/L
RT: 11.731 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

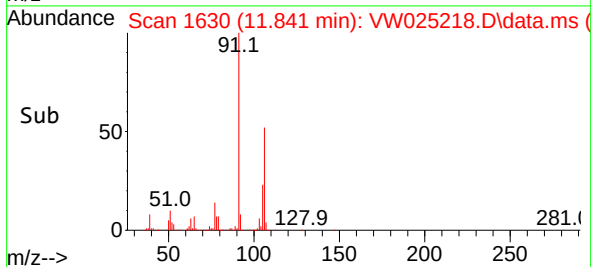
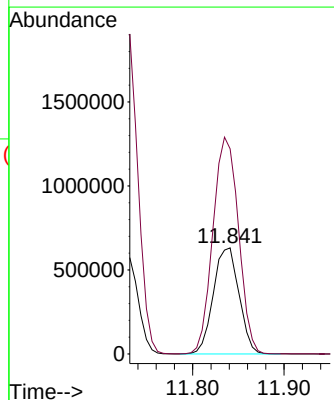
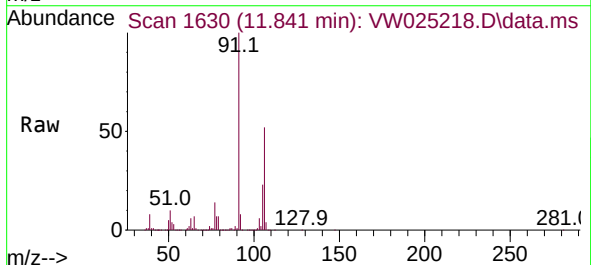
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

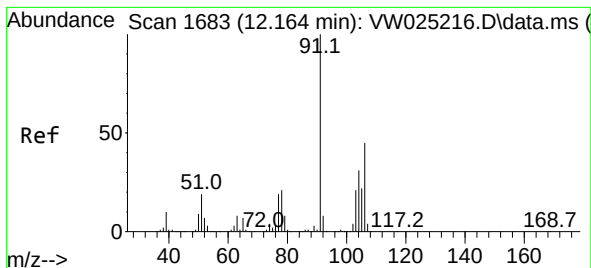
Tgt Ion: 91 Resp: 3165263
Ion Ratio Lower Upper
91 100
106 30.1 22.1 41.1



#53
m,p-Xylene
Concen: 96.423 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion:106 Resp: 1232941
Ion Ratio Lower Upper
106 100
91 193.3 138.5 257.3





#54

o-Xylene

Concen: 99.861 ug/L

RT: 12.164 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

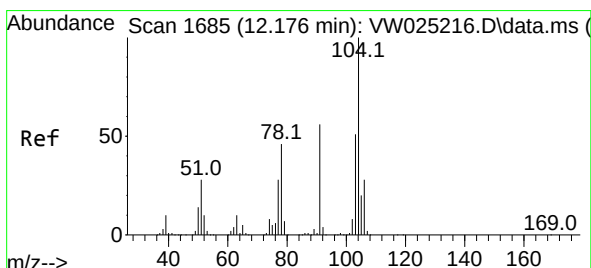
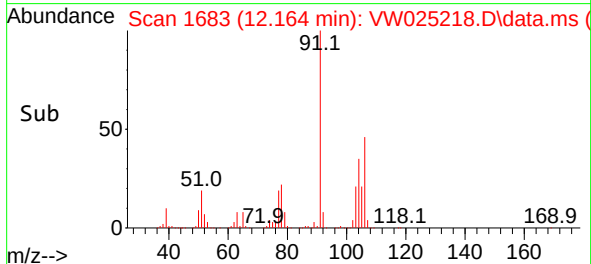
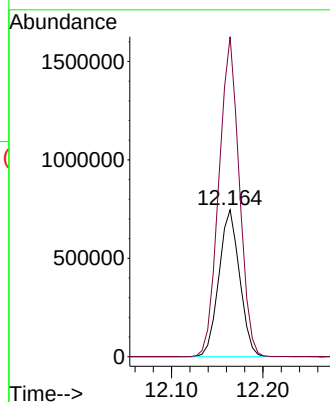
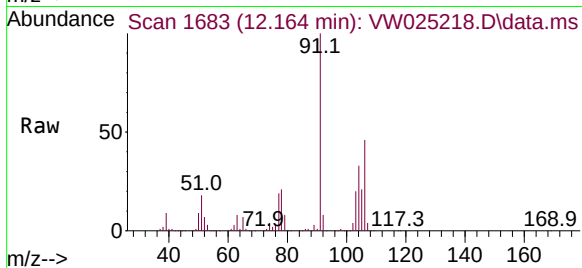
VSTD100403

Tgt Ion:106 Resp: 1175202

Ion Ratio Lower Upper

106 100

91 217.8 155.3 288.5



#55

Styrene

Concen: 99.518 ug/L

RT: 12.182 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW025218.D

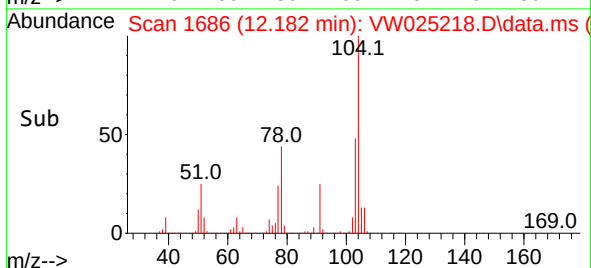
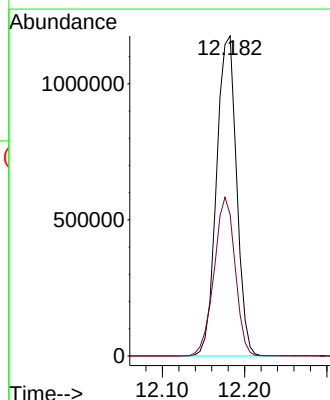
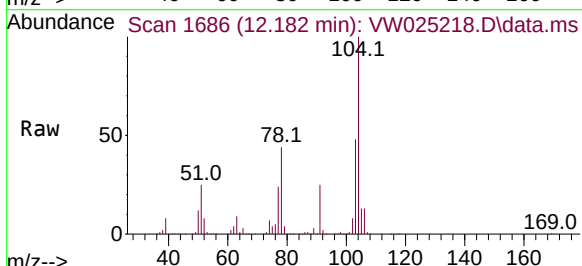
Acq: 03 Jan 2023 14:16

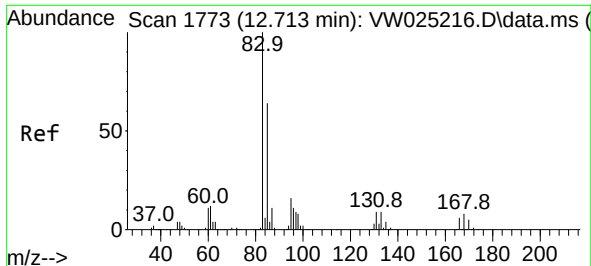
Tgt Ion:104 Resp: 1990323

Ion Ratio Lower Upper

104 100

78 44.2 32.6 60.5





#57

1,1,2,2-Tetrachloroethane

Concen: 97.908 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD100403

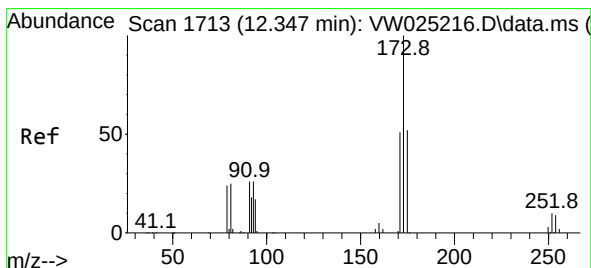
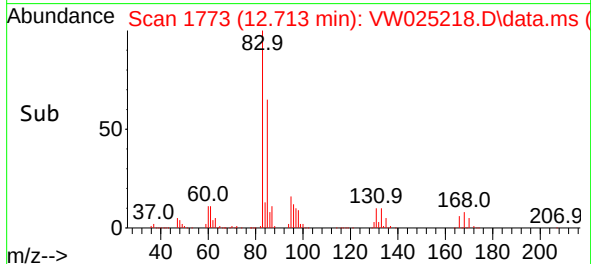
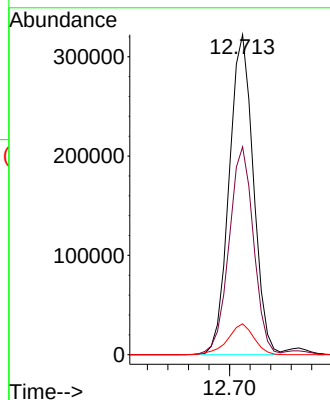
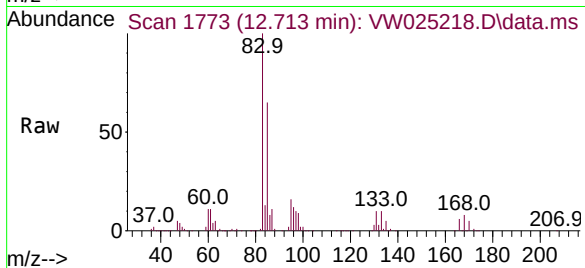
Tgt Ion: 83 Resp: 525664

Ion Ratio Lower Upper

83 100

85 65.0 44.8 83.2

131 9.6 7.4 11.0



#59

Bromoform

Concen: 108.716 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

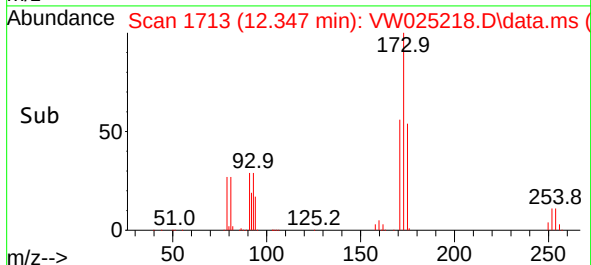
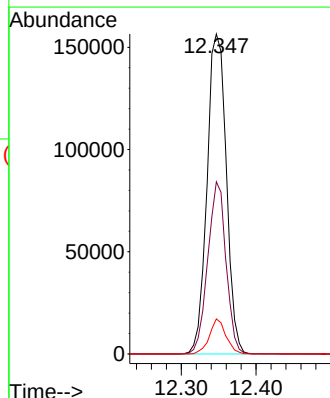
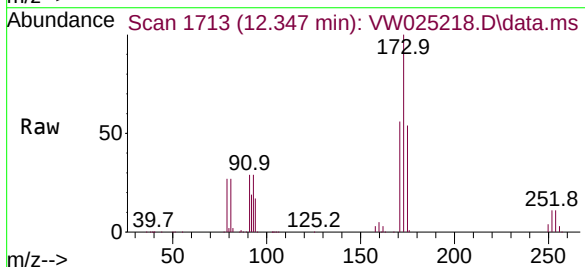
Tgt Ion:173 Resp: 280307

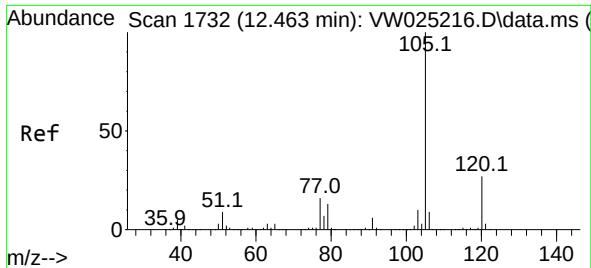
Ion Ratio Lower Upper

173 100

175 50.9 40.7 61.1

254 9.4 6.7 10.1

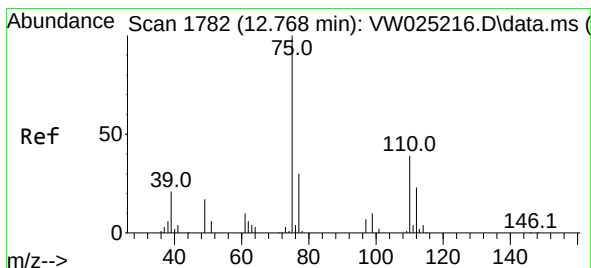
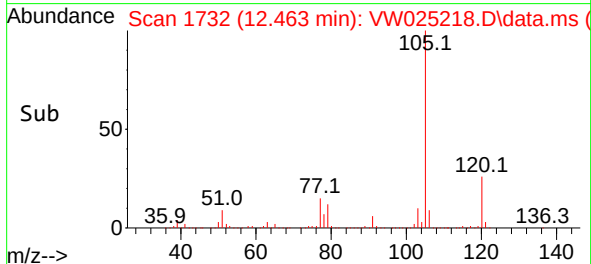
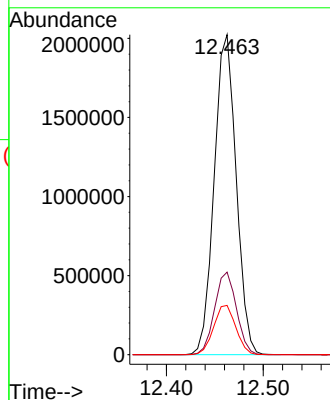
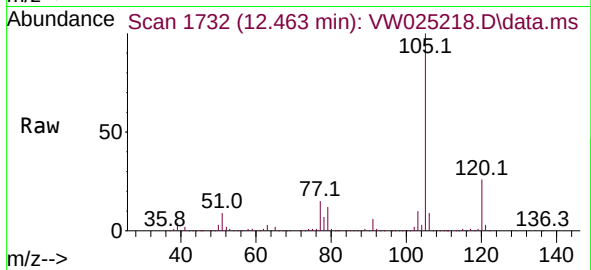




#60
Isopropylbenzene
Concen: 108.283 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

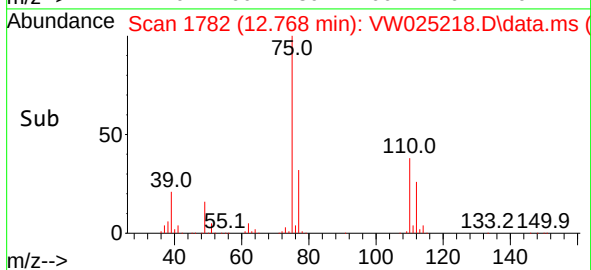
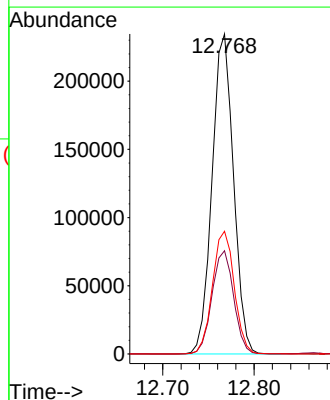
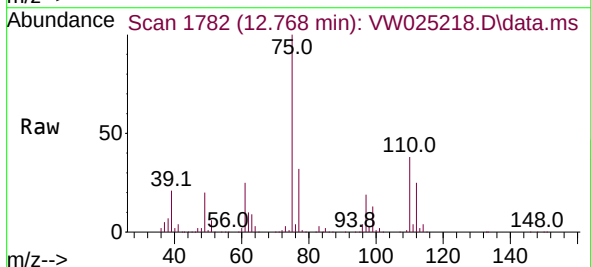
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

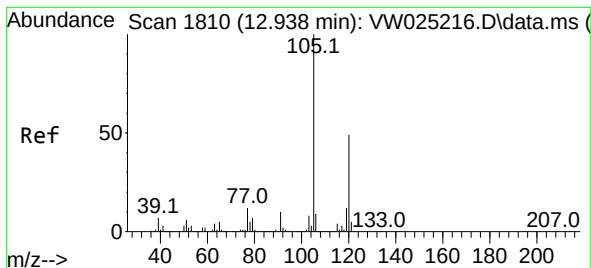
Tgt Ion:105 Resp: 3189344
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1
77 15.7 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 104.815 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion: 75 Resp: 382229
Ion Ratio Lower Upper
75 100
77 32.6 25.7 38.5
110 39.0 31.2 46.8

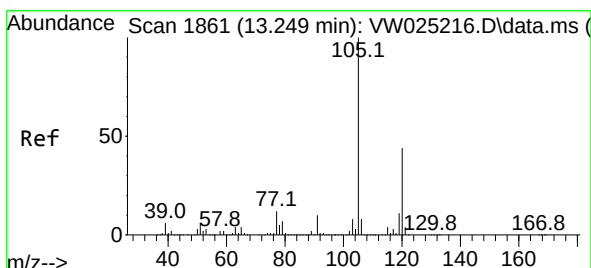
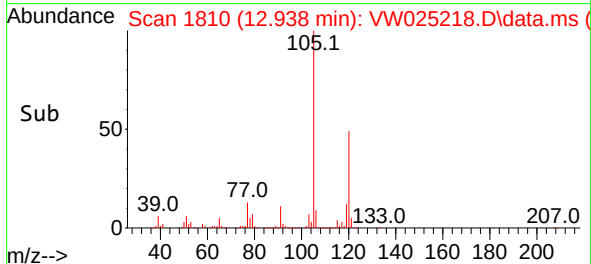
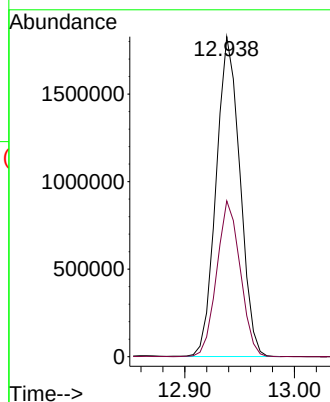
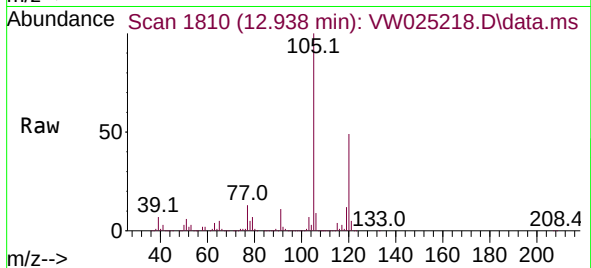




#62
1,3,5-Trimethylbenzene
Concen: 110.375 ug/L
RT: 12.938 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

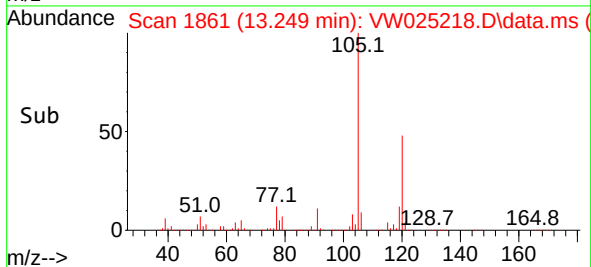
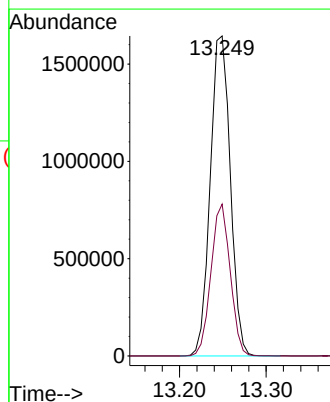
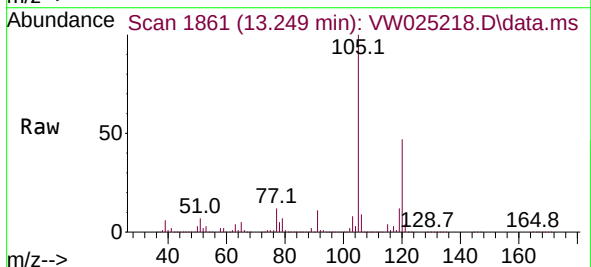
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

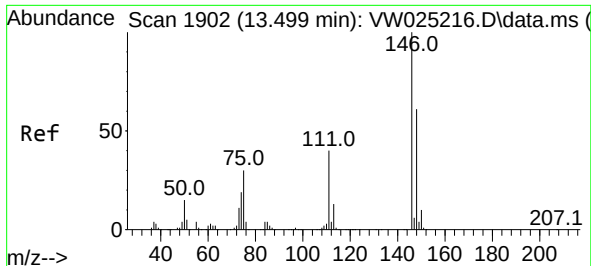
Tgt Ion:105 Resp: 2756304
Ion Ratio Lower Upper
105 100
120 48.2 38.5 57.7



#63
1,2,4-Trimethylbenzene
Concen: 107.532 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion:105 Resp: 2648928
Ion Ratio Lower Upper
105 100
120 45.4 35.1 52.7

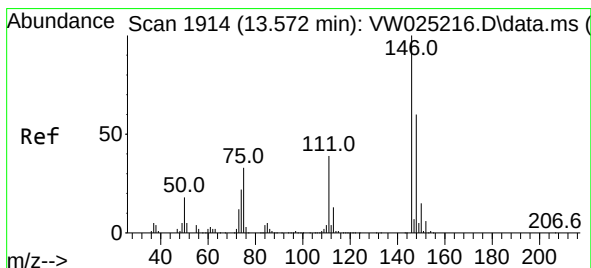
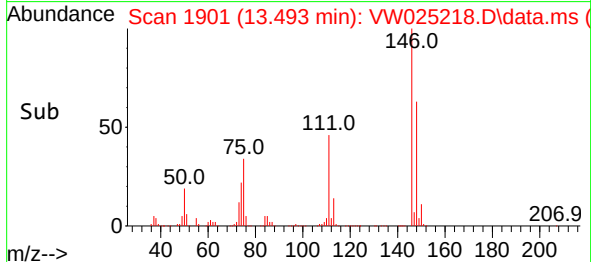
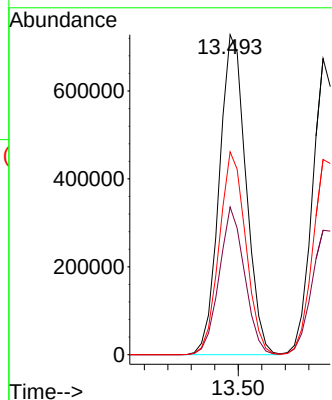
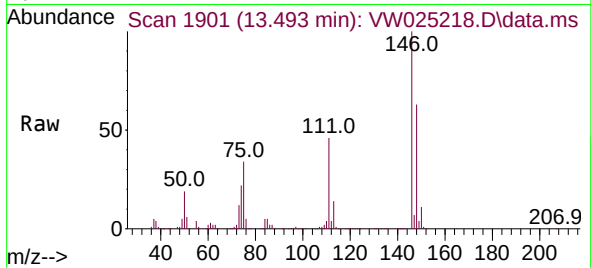




#64
1,3-Dichlorobenzene
Concen: 95.473 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

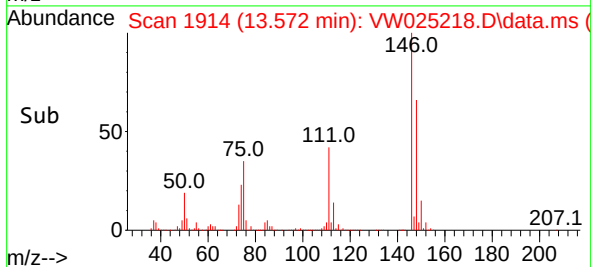
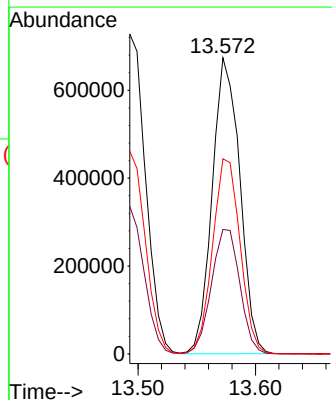
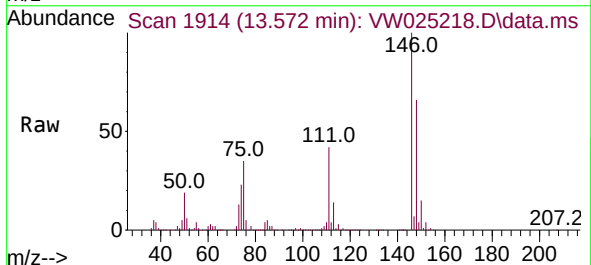
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

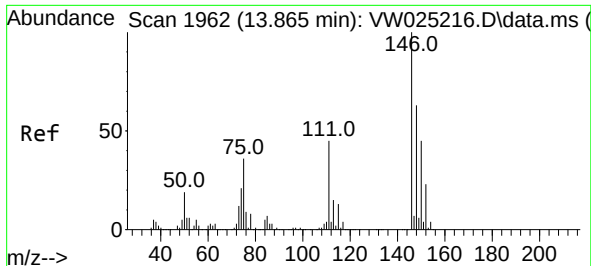
Tgt Ion:146 Resp: 1149410
Ion Ratio Lower Upper
146 100
111 46.1 28.3 52.7
148 63.4 42.8 79.6



#65
1,4-Dichlorobenzene
Concen: 92.305 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion:146 Resp: 1101285
Ion Ratio Lower Upper
146 100
111 42.1 27.4 51.0
148 65.9 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 91.931 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD100403

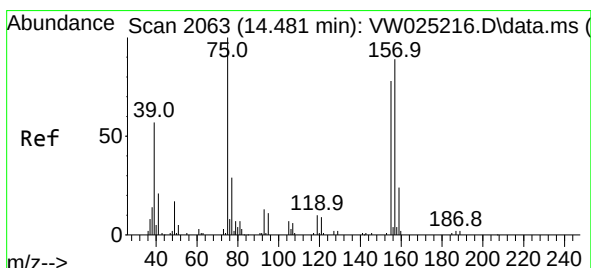
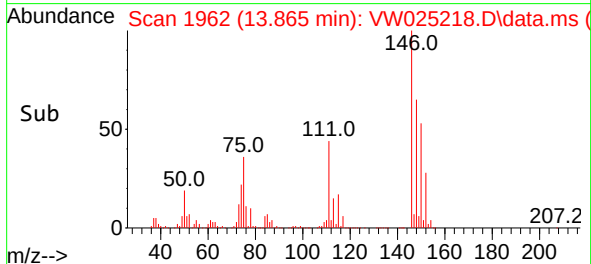
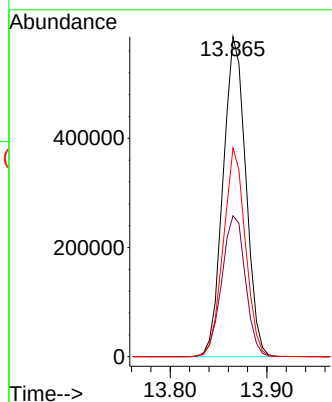
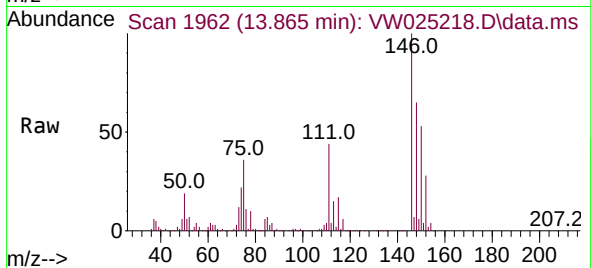
Tgt Ion:146 Resp: 955184

Ion Ratio Lower Upper

146 100

111 44.1 36.1 54.1

148 65.2 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 95.718 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

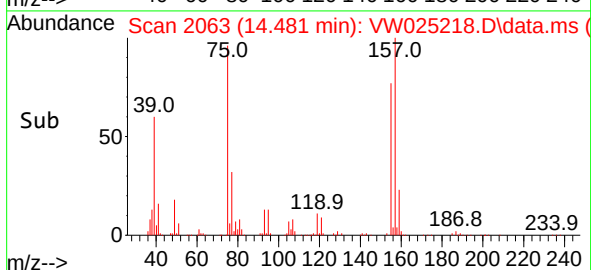
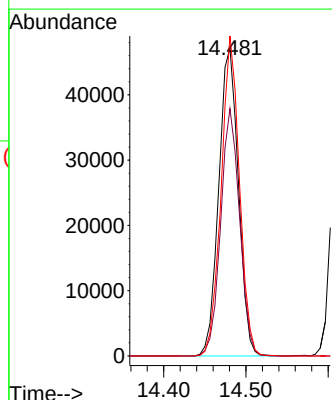
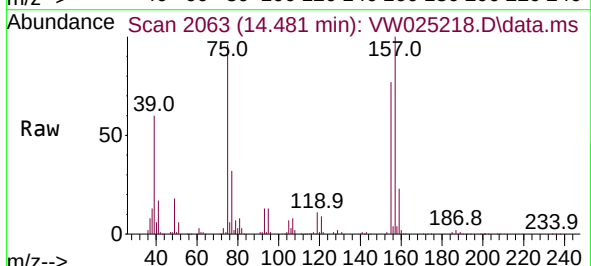
Tgt Ion: 75 Resp: 78182

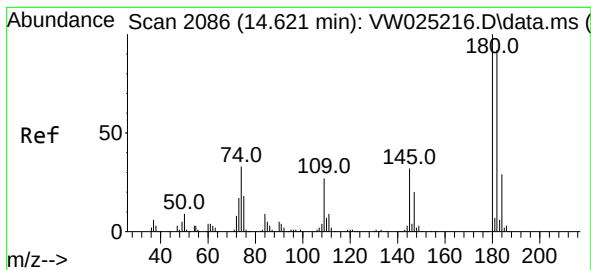
Ion Ratio Lower Upper

75 100

155 80.3 62.3 93.5

157 103.9 71.1 106.7

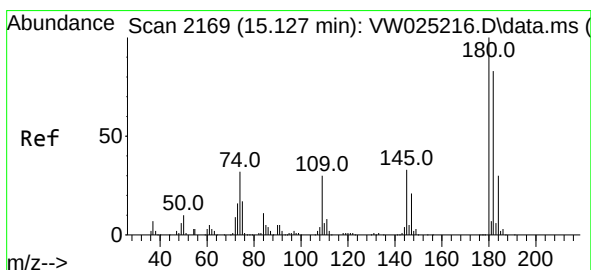
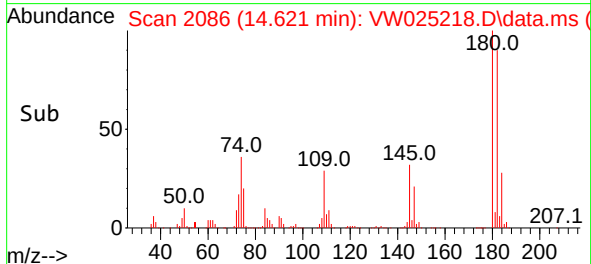
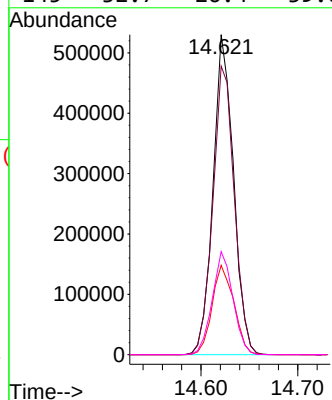
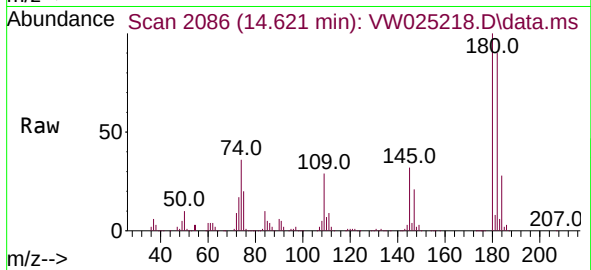




#69
1,3,5-Trichlorobenzene
Concen: 90.678 ug/L
RT: 14.621 min Scan# 2086
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

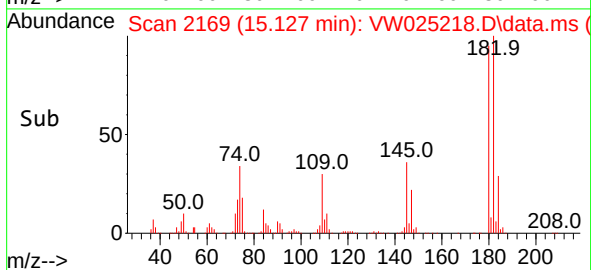
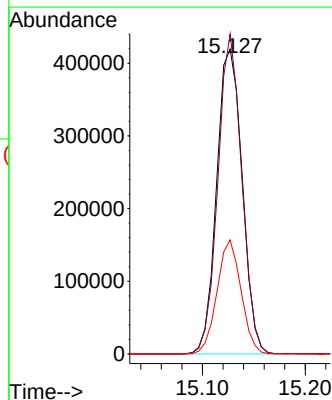
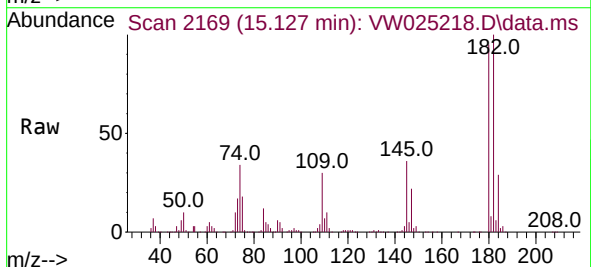
Instrument :
MSVOA_W
ClientSampleId :
VSTD100403

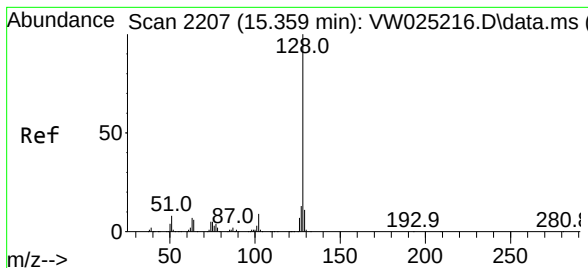
Tgt Ion:180 Resp: 777781
Ion Ratio Lower Upper
180 100
182 94.7 75.1 112.7
184 29.8 23.3 34.9
145 32.7 26.4 39.6



#70
1,2,4-trichlorobenzene
Concen: 99.475 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW025218.D
Acq: 03 Jan 2023 14:16

Tgt Ion:180 Resp: 724549
Ion Ratio Lower Upper
180 100
182 97.7 72.5 108.7
145 35.1 27.0 40.4





#71

Naphthalene

Concen: 105.144 ug/L

RT: 15.358 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD100403

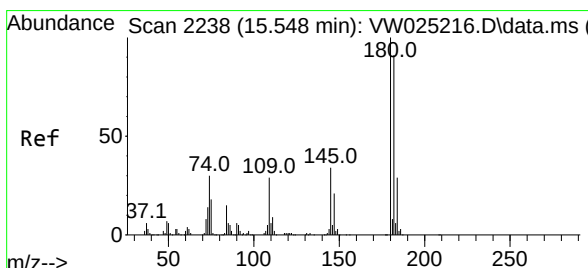
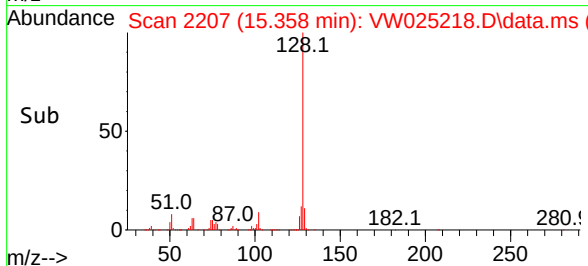
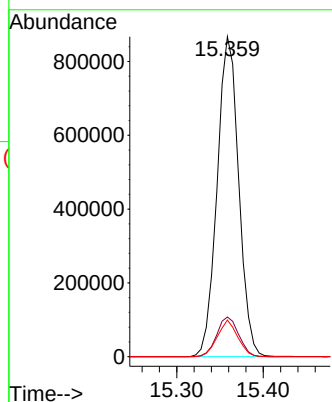
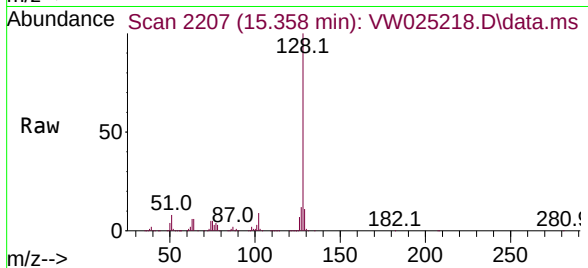
Tgt Ion:128 Resp: 1500915

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 10.8 9.0 13.6



#72

1,2,3-Trichlorobenzene

Concen: 97.135 ug/L

RT: 15.547 min Scan# 2238

Delta R.T. -0.000 min

Lab File: VW025218.D

Acq: 03 Jan 2023 14:16

Tgt Ion:180 Resp: 606878

Ion Ratio Lower Upper

180 100

182 97.4 76.5 114.7

145 36.6 28.6 42.8

