

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071123\
 Data File : VW026586.D
 Acq On : 11 Jul 2023 09:47
 Operator : SY/MD
 Sample : VSTD05017
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050417

Quant Time: Jul 12 06:34:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 12 06:31:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	634079	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	540989	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	255273	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	485022	45.348	ug/L	0.00
7) Chloroethane-d5	2.893	69	345504	46.036	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.021	65	231726	46.134	ug/L	0.00
21) 2-Butanone-d5	7.081	46	333384	96.842	ug/L	0.00
24) Chloroform-d	7.648	84	877576	48.072	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	478294	46.924	ug/L	0.00
32) Benzene-d6	8.276	84	1824443	49.127	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	558818	48.936	ug/L	0.00
41) Toluene-d8	10.325	98	1599091	50.203	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	233833	51.084	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	244779	109.854	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	464741	48.059	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	464363	49.546	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	366211	49.661	ug/L	95
3) Chloromethane	2.223	50	484136	47.373	ug/L	97
5) Vinyl chloride	2.375	62	502309	46.637	ug/L	99
6) Bromomethane	2.789	94	268219	46.846	ug/L	100
8) Chloroethane	2.930	64	290827	48.290	ug/L	97
9) Trichlorofluoromethane	3.265	101	413292	51.807	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	426536	48.639	ug/L #	74
12) 1,1-Dichloroethene	4.045	96	417203	49.115	ug/L	87
13) Acetone	4.131	43	233998	94.109	ug/L	97
14) Carbon disulfide	4.393	76	1460331	49.042	ug/L	99
15) Methyl Acetate	4.673	43	281560	47.556	ug/L	99
16) Methylene chloride	4.923	84	424485	38.022	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	458255	50.456	ug/L	99
18) Methyl tert-butyl Ether	5.429	73	720683	50.701	ug/L	99
19) 1,1-Dichloroethane	6.216	63	898620	49.488	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	481155	51.161	ug/L	97
22) 2-Butanone	7.173	43	372877	98.565	ug/L	98
23) Bromochloromethane	7.514	128	194971	48.398	ug/L	95
25) Chloroform	7.679	83	810717	48.729	ug/L	99
27) 1,2-Dichloroethane	8.398	62	562106	47.993	ug/L	96
29) Cyclohexane	7.959	56	908321	53.926	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	670107	50.537	ug/L	99
31) Carbon tetrachloride	8.069	117	609885	50.670	ug/L	99
33) Benzene	8.325	78	1883731	50.535	ug/L	100
34) Trichloroethene	9.093	95	487275	50.890	ug/L	98
35) Methylcyclohexane	9.337	83	890184	51.776	ug/L	100
37) 1,2-Dichloropropane	9.368	63	498311	50.340	ug/L	100
38) Bromodichloromethane	9.648	83	574462	51.078	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	765501	53.713	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	781121	104.546	ug/L	99
42) Toluene	10.386	91	1963536	52.161	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	646543	53.791	ug/L	96

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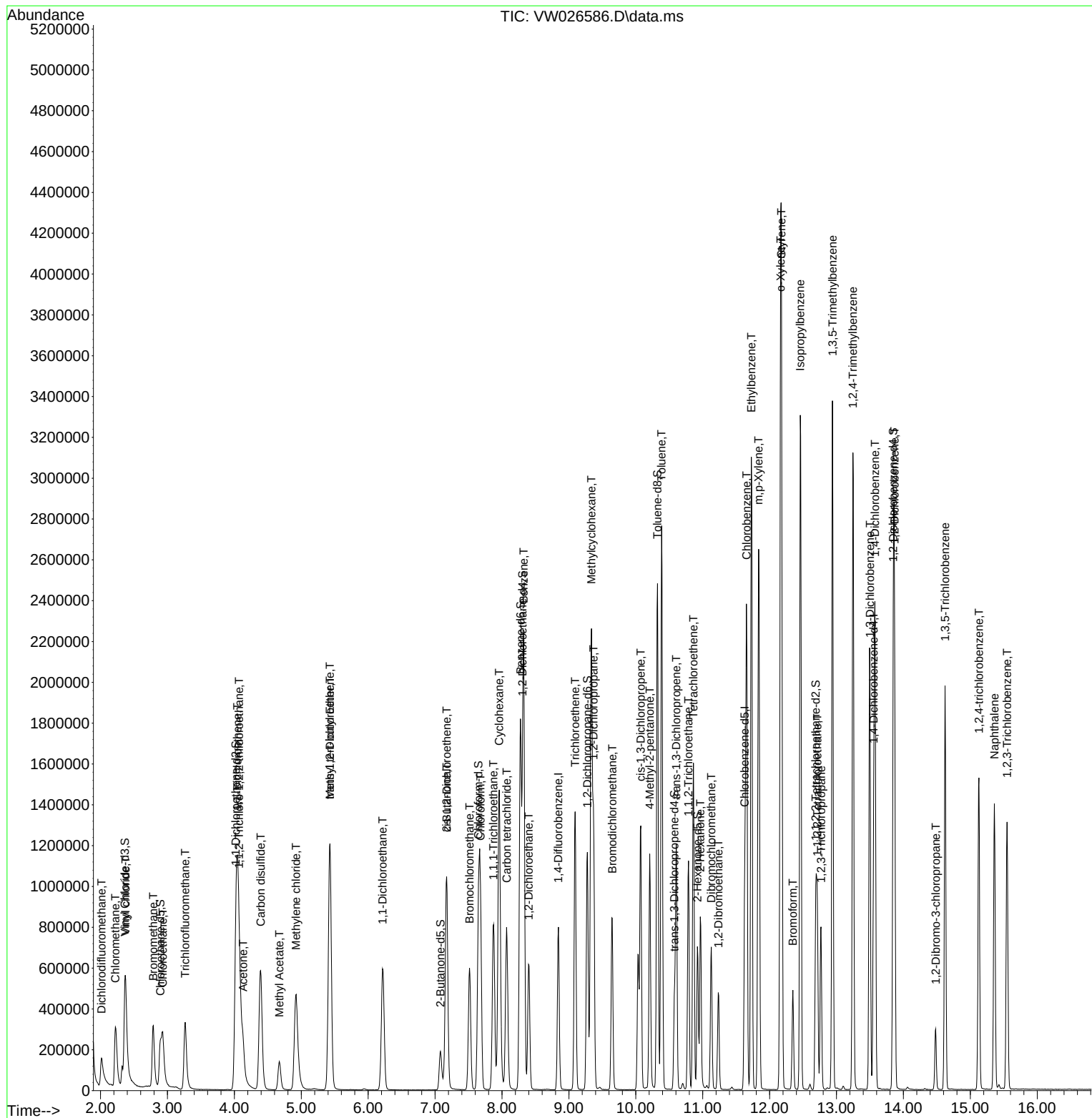
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	342652	49.593	ug/L	98
46) Tetrachloroethene	10.861	164	348168	51.220	ug/L	94
48) 2-Hexanone	10.965	43	554812	106.403	ug/L	99
49) Dibromochloromethane	11.129	129	351816	51.428	ug/L	93
50) 1,2-Dibromoethane	11.233	107	332042	50.985	ug/L	95
51) Chlorobenzene	11.654	112	1157957	50.171	ug/L	95
52) Ethylbenzene	11.727	91	2206678	52.654	ug/L	99
53) m,p-Xylene	11.837	106	819971	53.780	ug/L	95
54) o-Xylene	12.166	106	763005	53.316	ug/L	99
55) Styrene	12.178	104	1282154	53.117	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.715	83	449745	49.602	ug/L	97
59) Bromoform	12.349	173	211652	52.422	ug/L	97
60) Isopropylbenzene	12.458	105	2132778	54.000	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	337275	48.917	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	1723079	56.879	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	1685616	56.123	ug/L	100
64) 1,3-Dichlorobenzene	13.501	146	827538	49.933	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	833238	50.412	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	729186	49.714	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.482	75	80366	48.955	ug/L #	83
69) 1,3,5-Trichlorobenzene	14.623	180	547381	49.910	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	454531	50.503	ug/L	97
71) Naphthalene	15.360	128	1128112	55.350	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	420656	49.647	ug/L	100

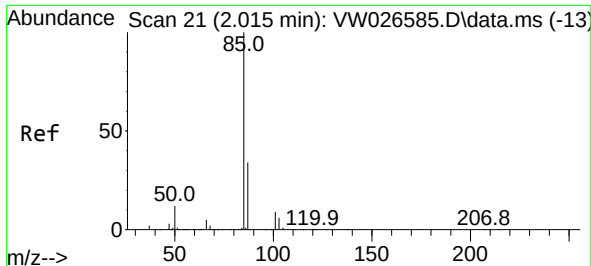
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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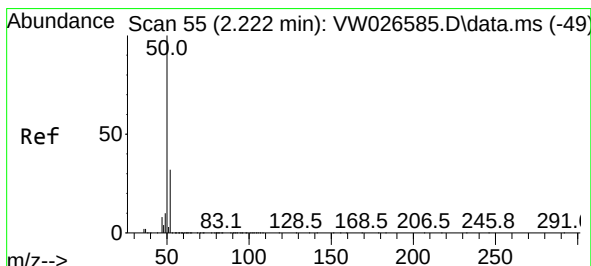
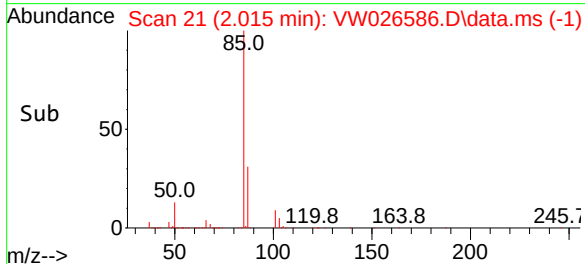
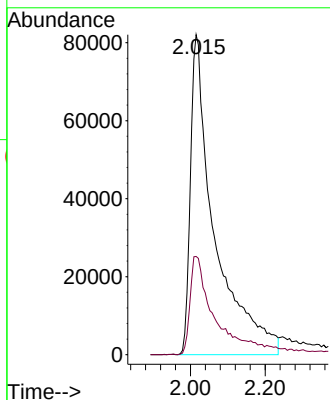
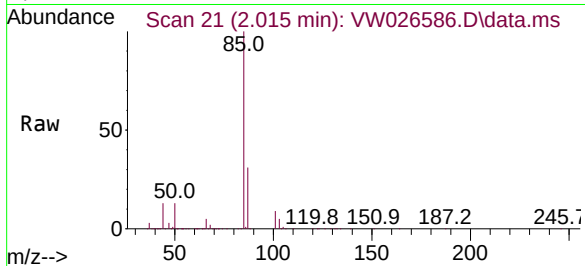




#2
Dichlorodifluoromethane
Concen: 49.661 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

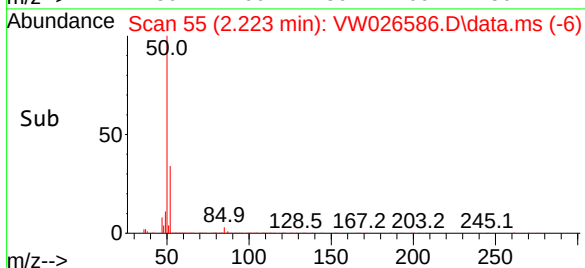
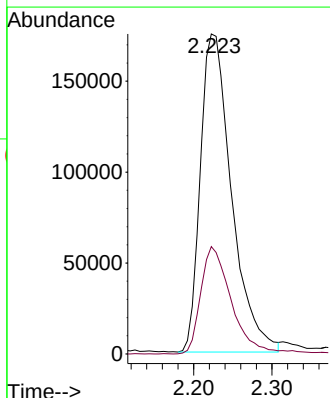
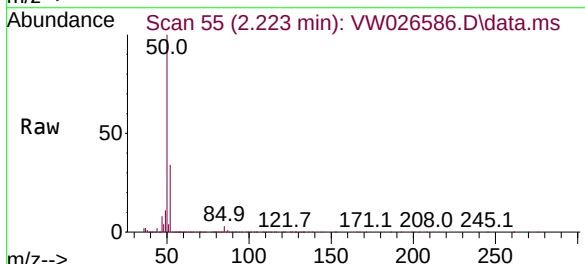
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MSVOA_W
ClientSampleId :
VSTD050417

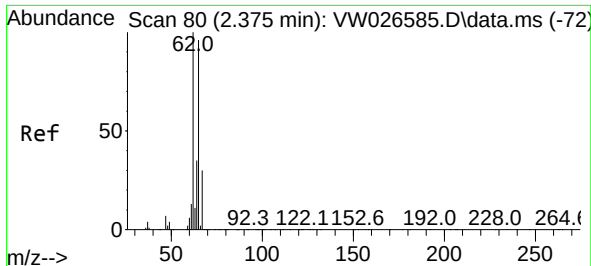
Tgt Ion: 85 Resp: 366211
Ion Ratio Lower Upper
85 100
87 24.1 21.4 32.0



#3
Chloromethane
Concen: 47.373 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 50 Resp: 484136
Ion Ratio Lower Upper
50 100
52 33.6 22.5 41.7

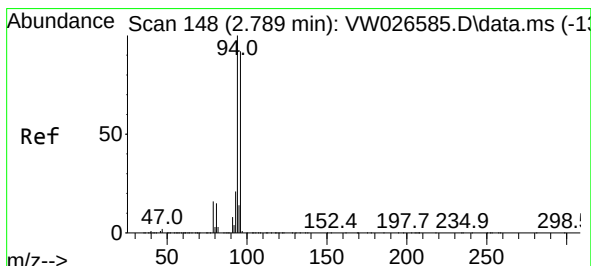
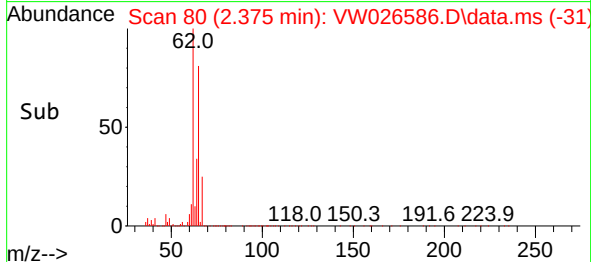
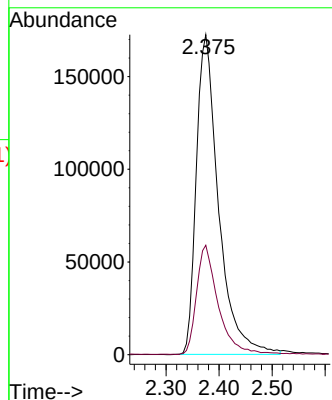
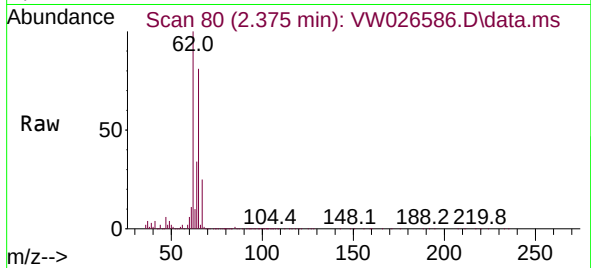




#5
 Vinyl chloride
 Concen: 46.637 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026586.D
 Acq: 11 Jul 2023 09:47

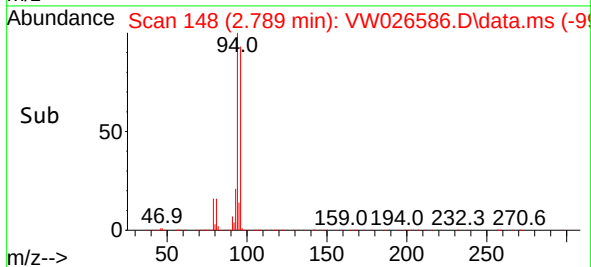
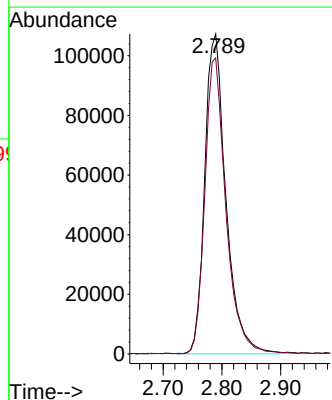
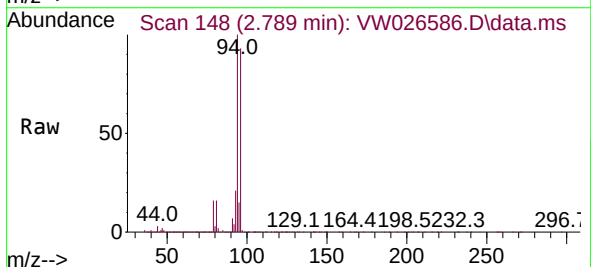
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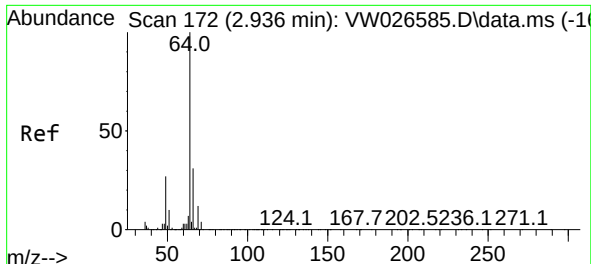
Tgt Ion: 62 Resp: 502309
 Ion Ratio Lower Upper
 62 100
 64 34.2 24.2 45.0



#6
 Bromomethane
 Concen: 46.846 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW026586.D
 Acq: 11 Jul 2023 09:47

Tgt Ion: 94 Resp: 268219
 Ion Ratio Lower Upper
 94 100
 96 92.5 64.5 119.9

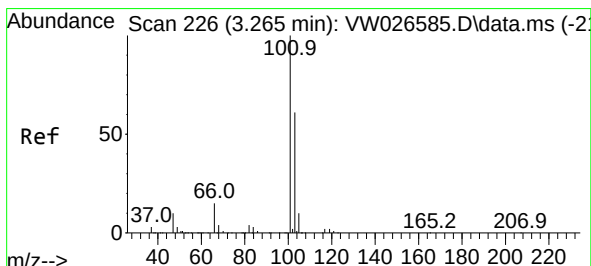
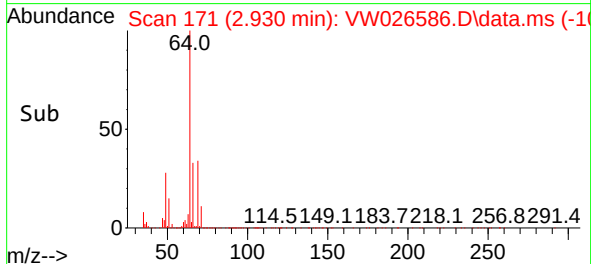
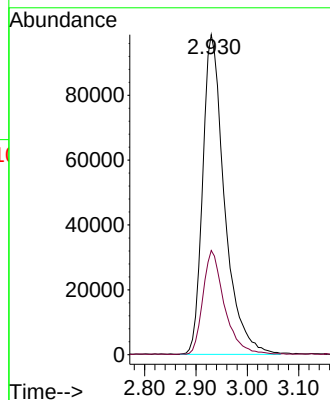
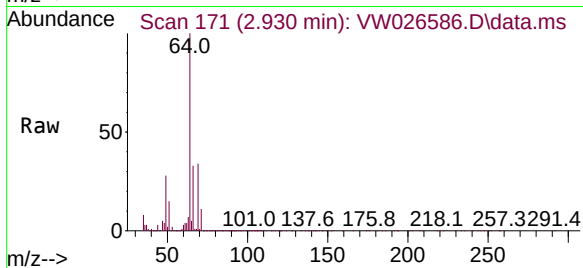




#8
Chloroethane
Concen: 48.290 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

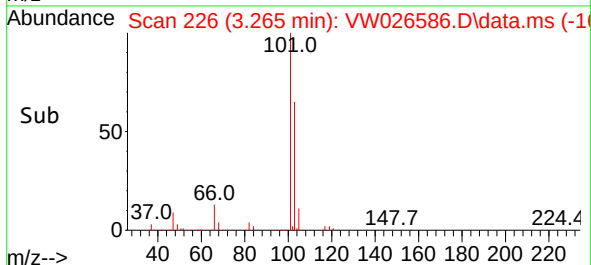
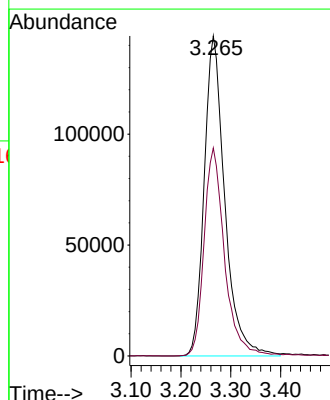
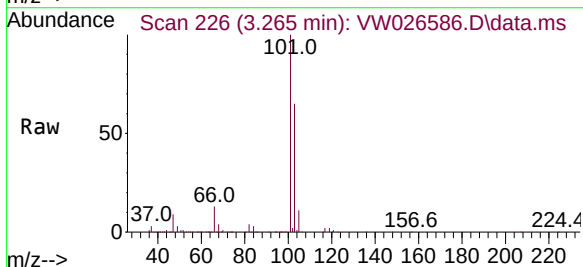
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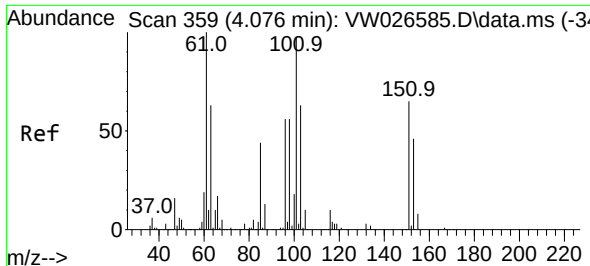
Tgt Ion: 64 Resp: 290827
Ion Ratio Lower Upper
64 100
66 32.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 51.807 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion:101 Resp: 413292
Ion Ratio Lower Upper
101 100
103 64.3 50.3 75.5

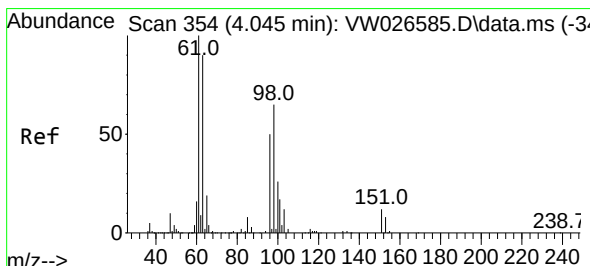
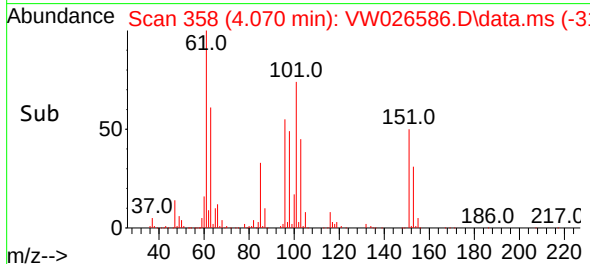
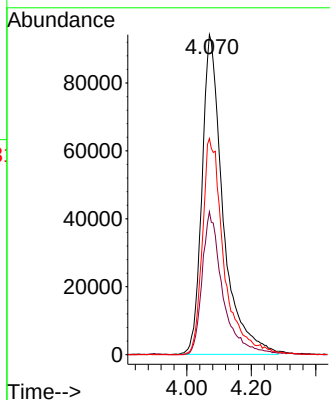
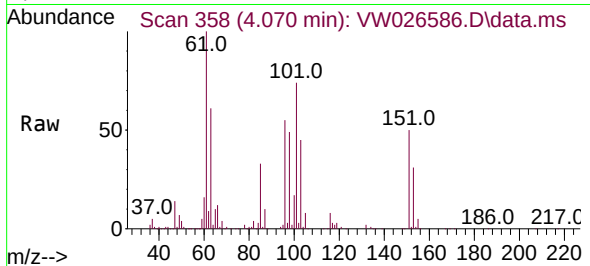




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 48.639 ug/L
 RT: 4.070 min Scan# 359
 Delta R.T. -0.006 min
 Lab File: VW026586.D
 Acq: 11 Jul 2023 09:47

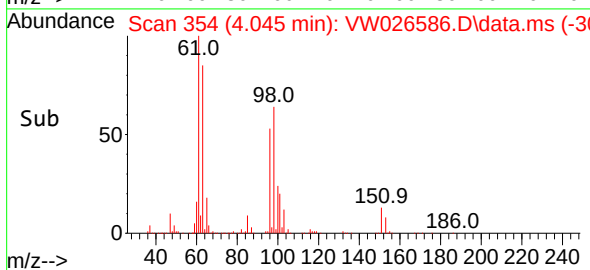
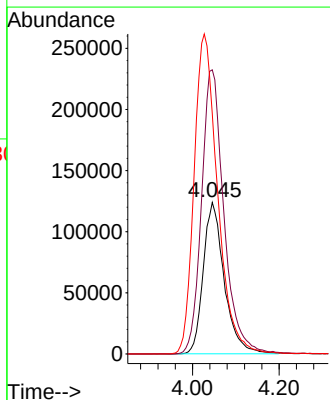
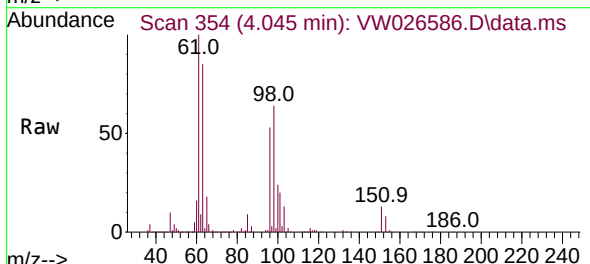
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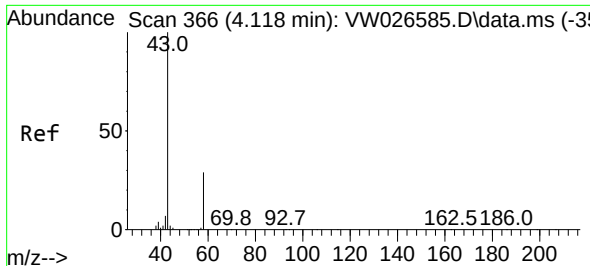
Tgt Ion:101 Resp: 426536
 Ion Ratio Lower Upper
 101 100
 85 43.5 36.1 54.1
 151 35.5 55.9 83.9#



#12
 1,1-Dichloroethene
 Concen: 49.115 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW026586.D
 Acq: 11 Jul 2023 09:47

Tgt Ion: 96 Resp: 417203
 Ion Ratio Lower Upper
 96 100
 61 187.5 140.8 261.4
 63 158.6 127.7 237.3

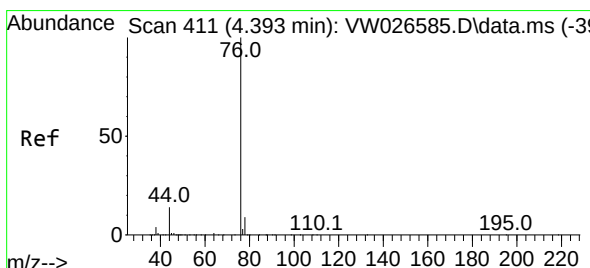
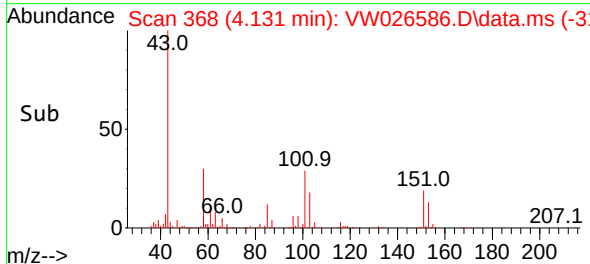
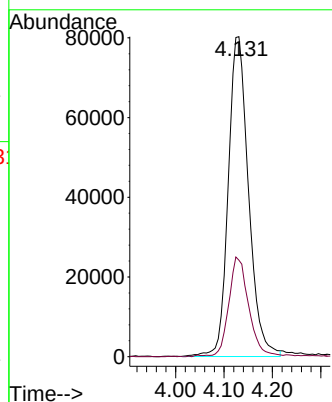
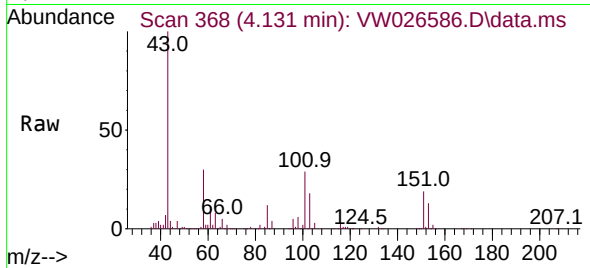




#13
Acetone
Concen: 94.109 ug/L
RT: 4.131 min Scan# 368
Delta R.T. 0.012 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

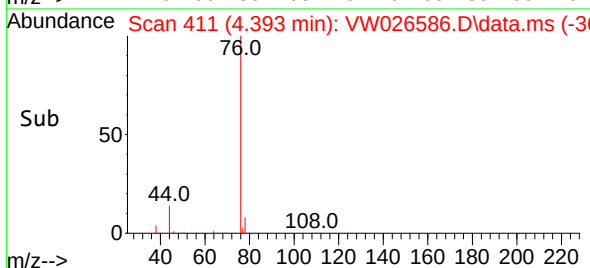
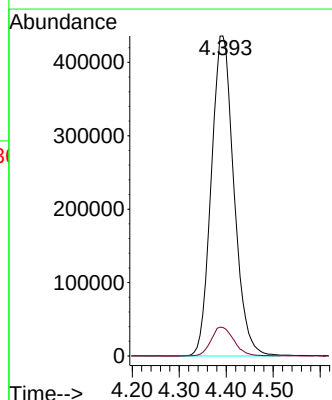
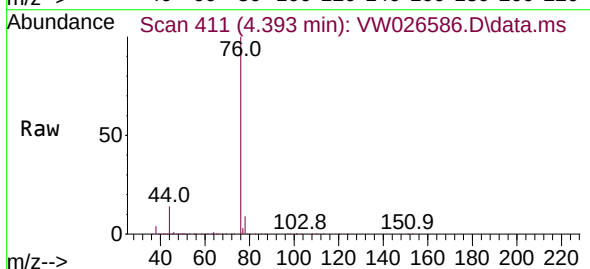
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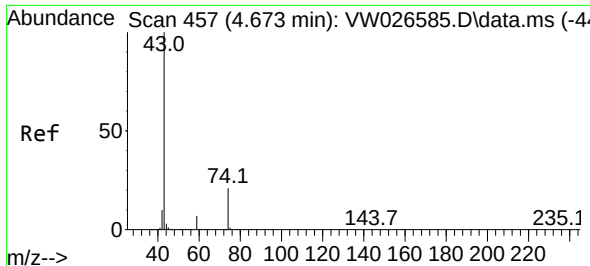
Tgt Ion: 43 Resp: 233998
Ion Ratio Lower Upper
43 100
58 29.9 0.0 63.2



#14
Carbon disulfide
Concen: 49.042 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 76 Resp: 1460331
Ion Ratio Lower Upper
76 100
78 8.9 6.9 10.3

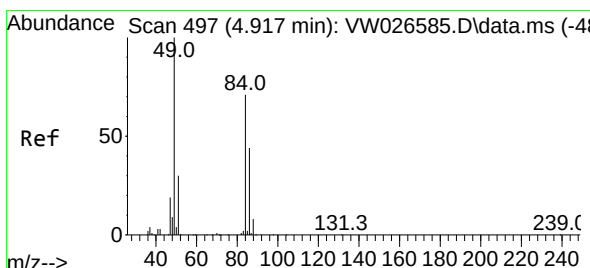
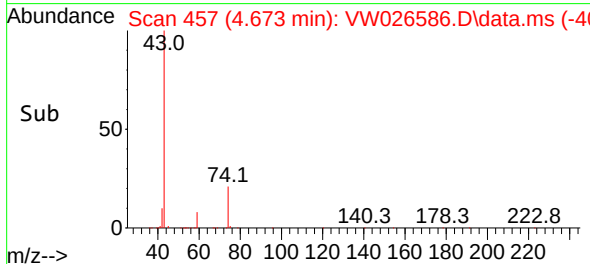
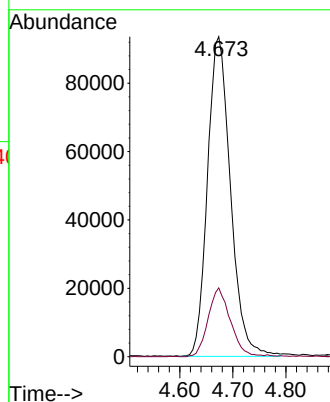
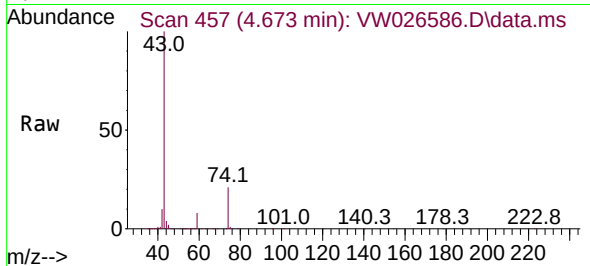




#15
Methyl Acetate
Concen: 47.556 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

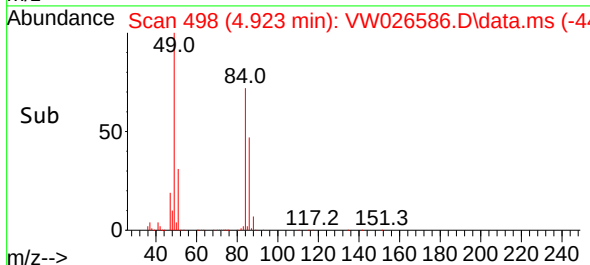
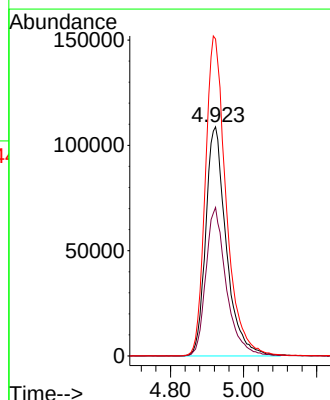
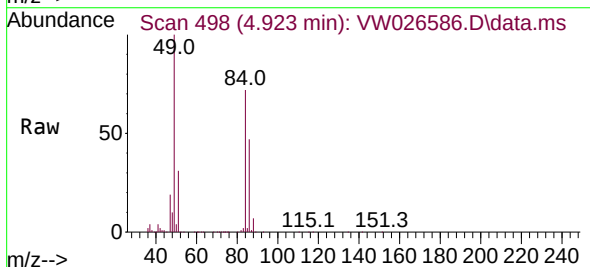
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

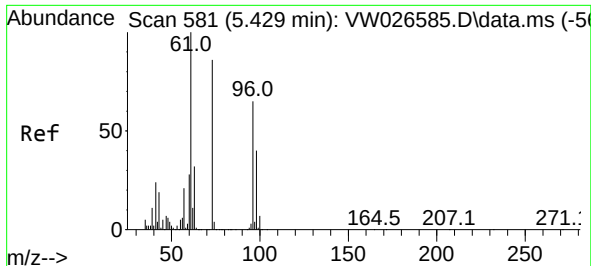
Tgt Ion: 43 Resp: 281560
Ion Ratio Lower Upper
43 100
74 20.8 16.3 24.5



#16
Methylene chloride
Concen: 38.022 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 84 Resp: 424485
Ion Ratio Lower Upper
84 100
86 64.8 43.8 81.3
49 138.3 99.2 184.2

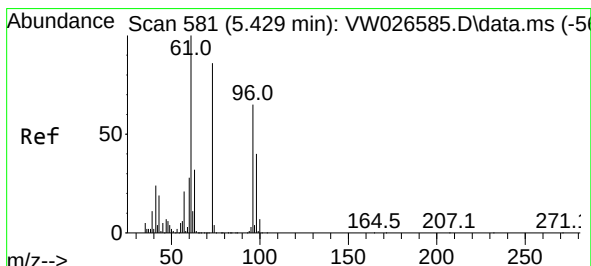
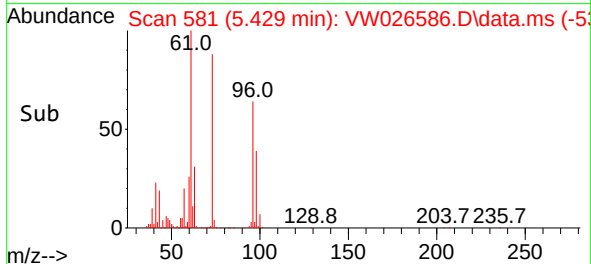
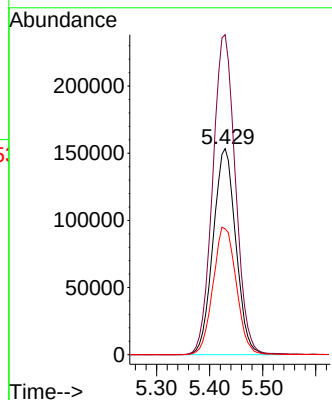
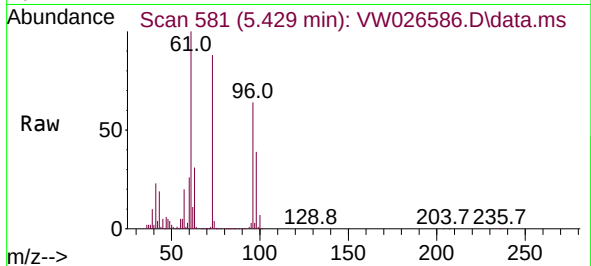




#17
trans-1,2-Dichloroethene
Concen: 50.456 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

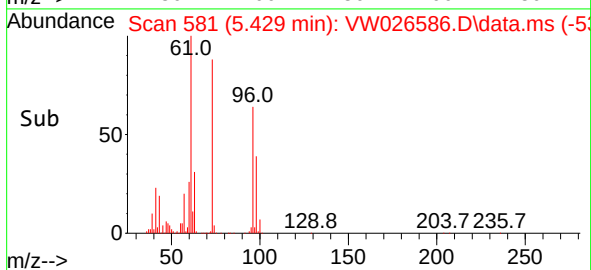
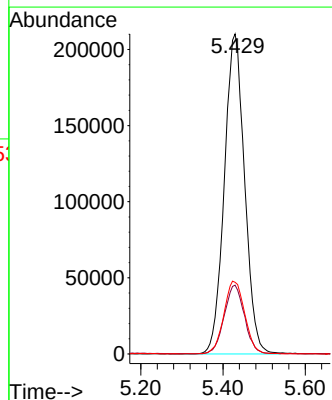
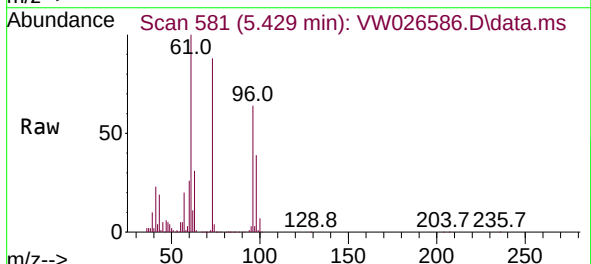
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

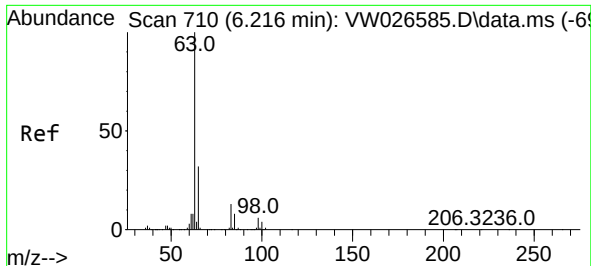
Tgt Ion: 96 Resp: 458255
Ion Ratio Lower Upper
96 100
61 155.3 108.1 200.9
98 61.0 43.4 80.6



#18
Methyl tert-butyl Ether
Concen: 50.701 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 73 Resp: 720683
Ion Ratio Lower Upper
73 100
43 21.4 17.4 26.2
57 23.3 19.3 28.9

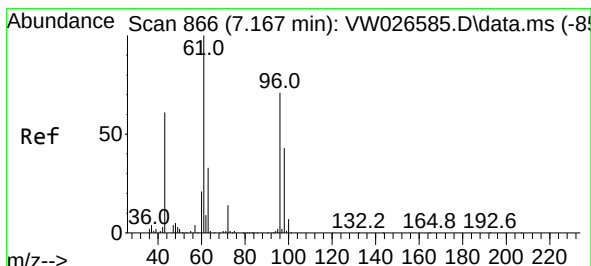
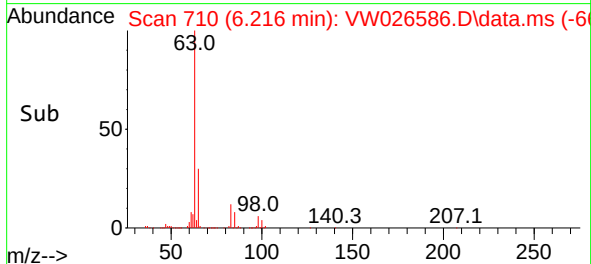
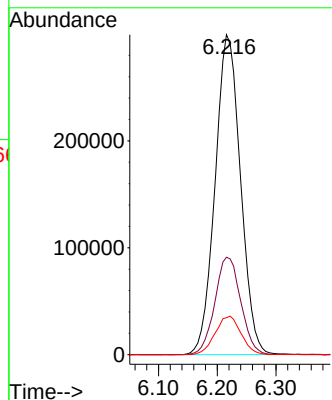
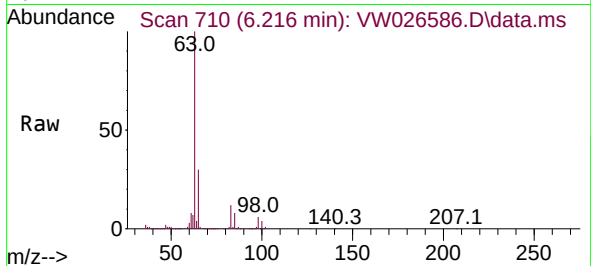




#19
 1,1-Dichloroethane
 Concen: 49.488 ug/L
 RT: 6.216 min Scan# 710
 Delta R.T. 0.000 min
 Lab File: VW026586.D
 Acq: 11 Jul 2023 09:47

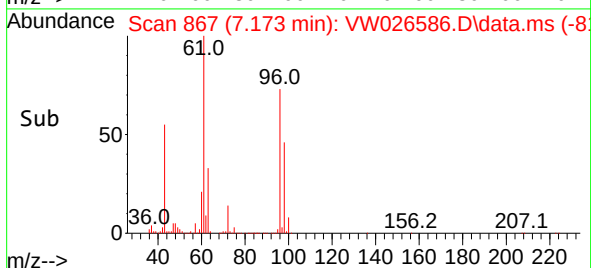
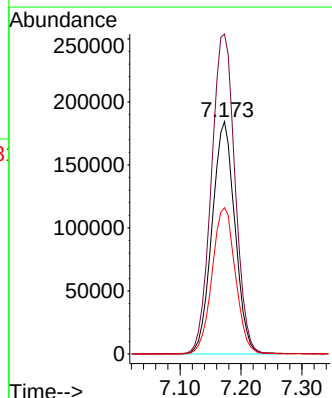
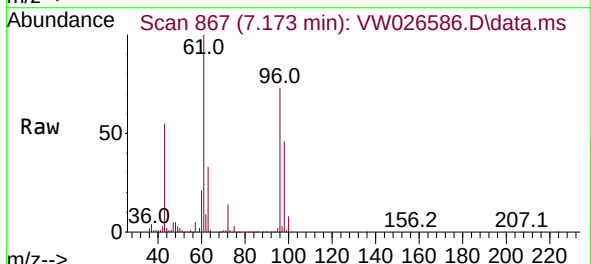
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD050417

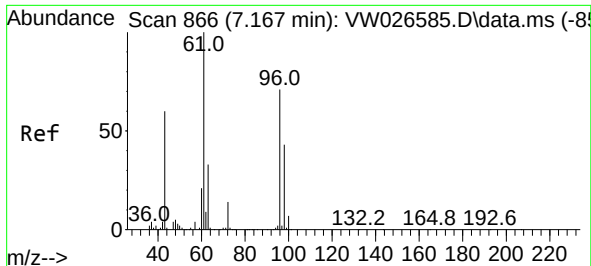
Tgt Ion: 63 Resp: 898620
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.3 41.5
 83 11.6 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 51.161 ug/L
 RT: 7.173 min Scan# 867
 Delta R.T. 0.006 min
 Lab File: VW026586.D
 Acq: 11 Jul 2023 09:47

Tgt Ion: 96 Resp: 481155
 Ion Ratio Lower Upper
 96 100
 61 137.8 98.8 183.6
 98 62.9 42.4 78.6

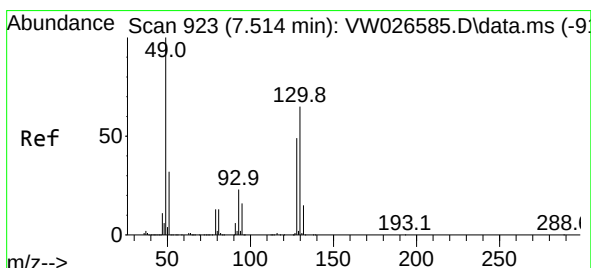
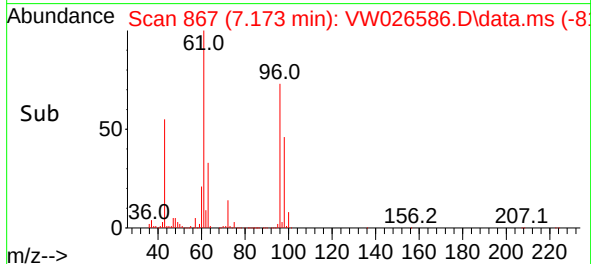
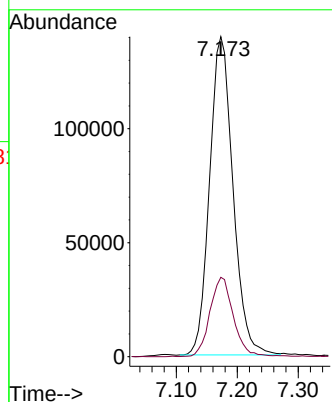
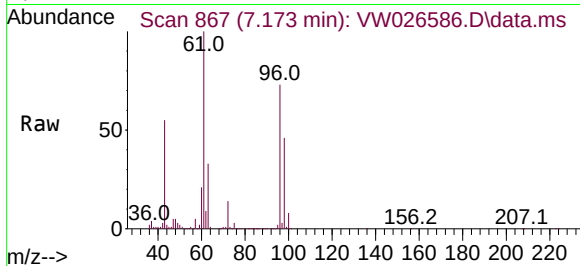




#22
2-Butanone
Concen: 98.565 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

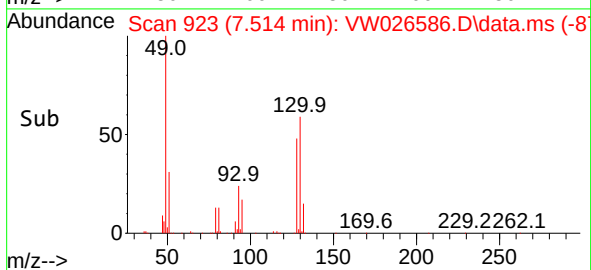
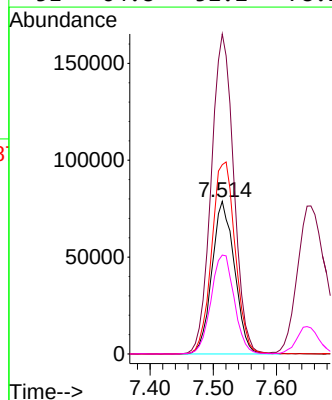
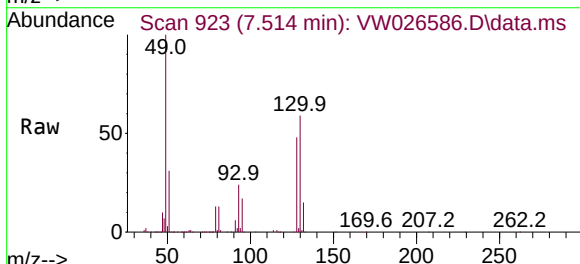
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

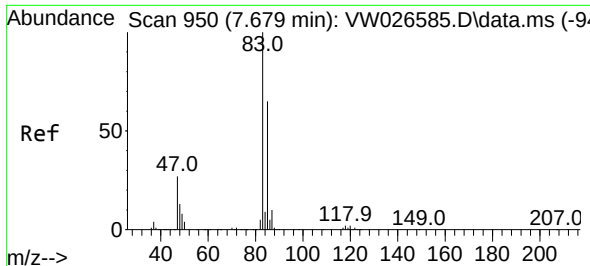
Tgt Ion: 43 Resp: 372877
Ion Ratio Lower Upper
43 100
72 24.7 11.9 35.5



#23
Bromochloromethane
Concen: 48.398 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 128 Resp: 194971
Ion Ratio Lower Upper
128 100
49 209.7 142.1 263.9
130 124.0 92.9 172.5
51 64.8 52.2 78.2

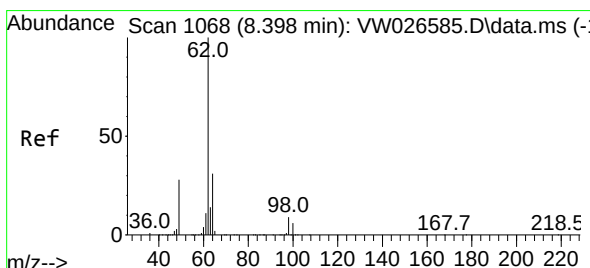
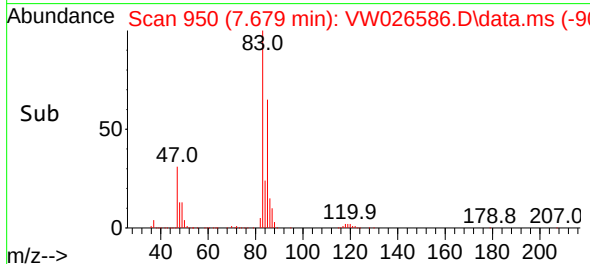
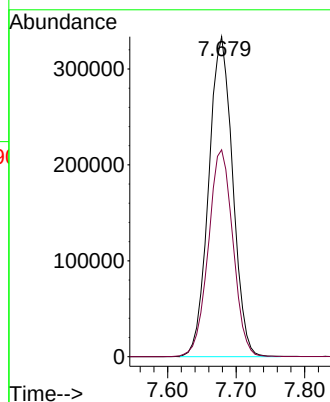
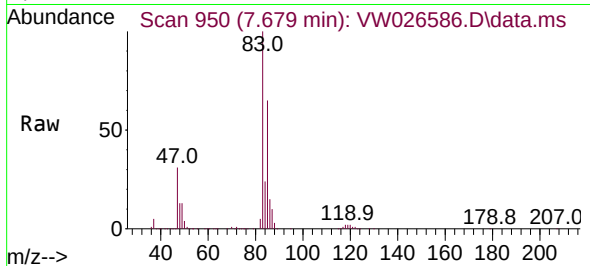




#25
Chloroform
Concen: 48.729 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

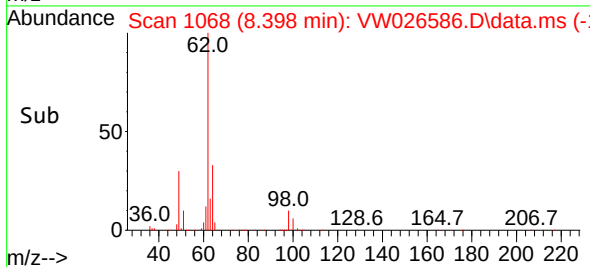
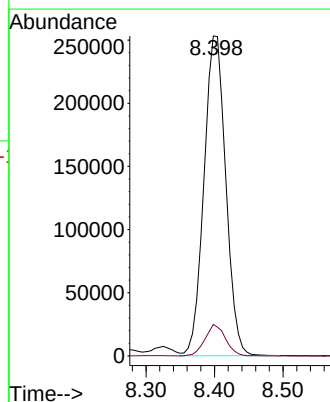
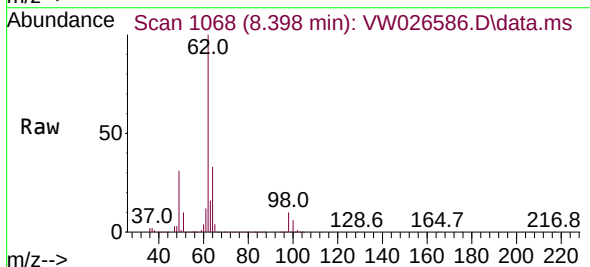
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

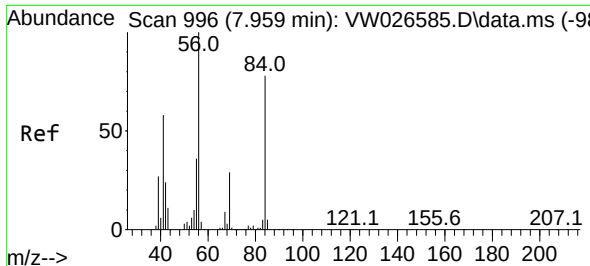
Tgt Ion: 83 Resp: 810717
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 47.993 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

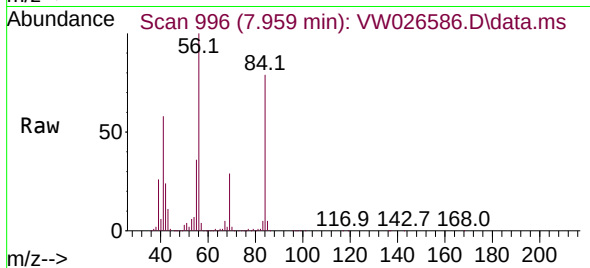
Tgt Ion: 62 Resp: 562106
Ion Ratio Lower Upper
62 100
98 9.8 6.7 10.1



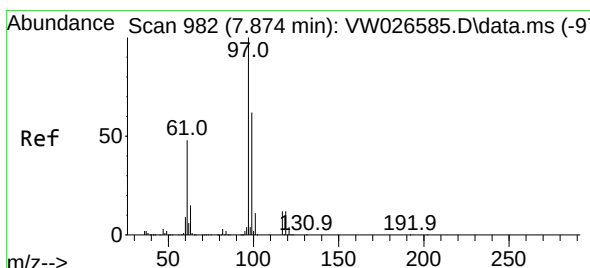
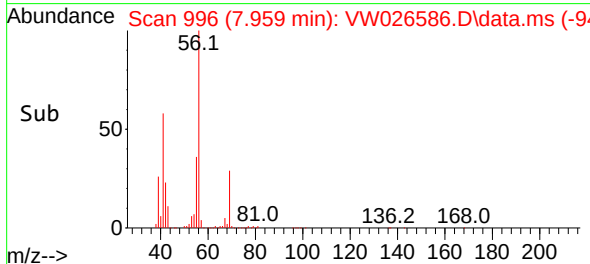
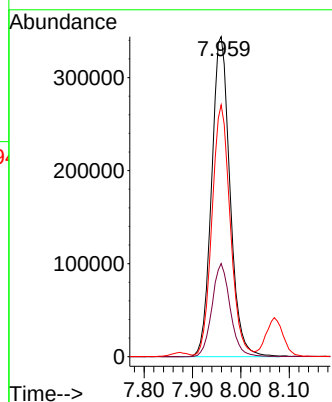


#29
Cyclohexane
Concen: 53.926 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

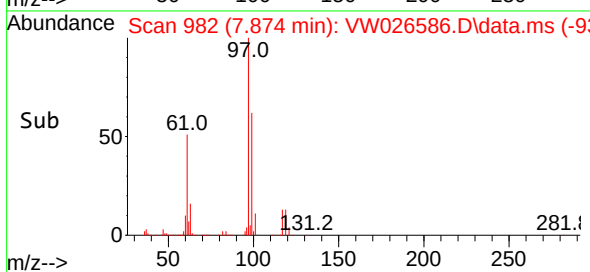
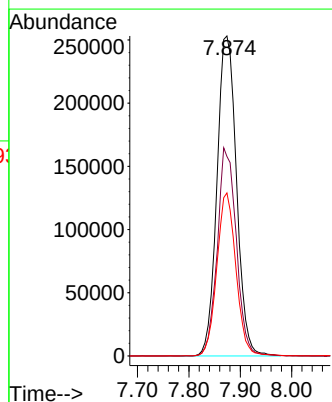
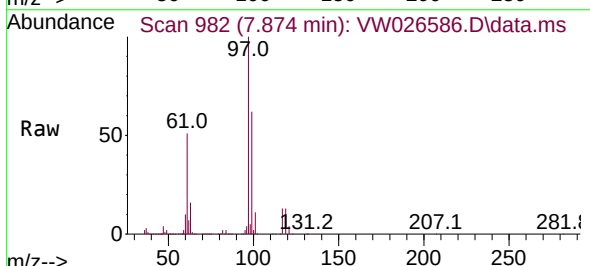


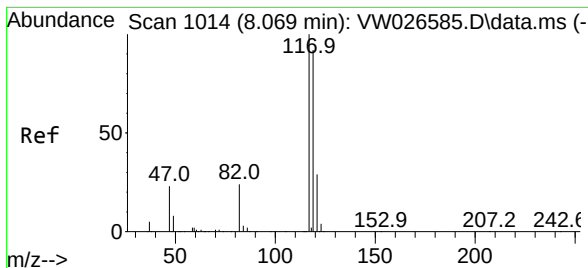
Tgt Ion: 56 Resp: 908321
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.0
84 78.4 62.6 94.0



#30
1,1,1-Trichloroethane
Concen: 50.537 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 97 Resp: 670107
Ion Ratio Lower Upper
97 100
99 63.2 49.9 74.9
61 49.8 39.8 59.8

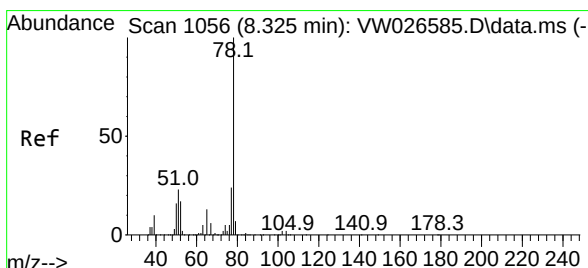
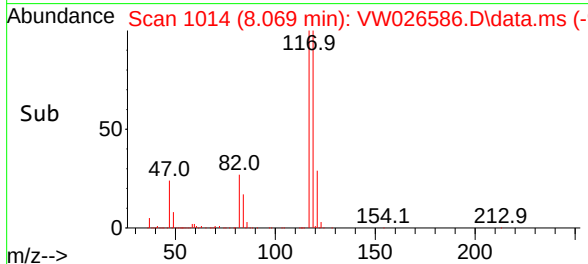
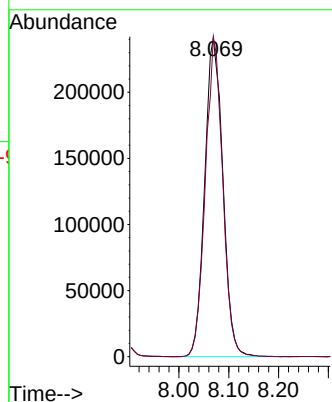
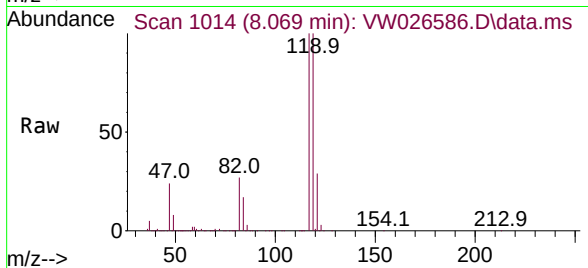




#31
Carbon tetrachloride
Concen: 50.670 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

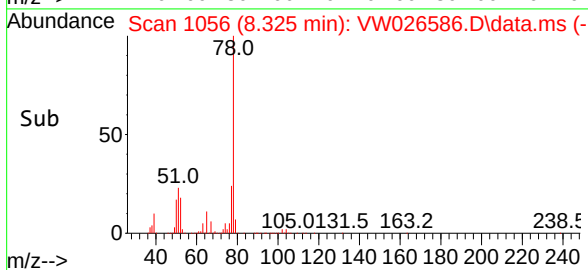
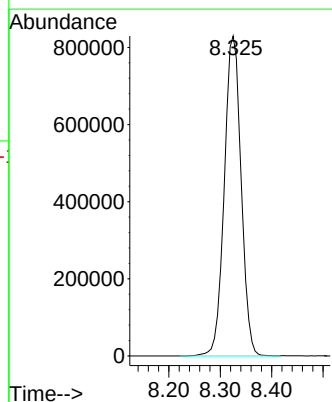
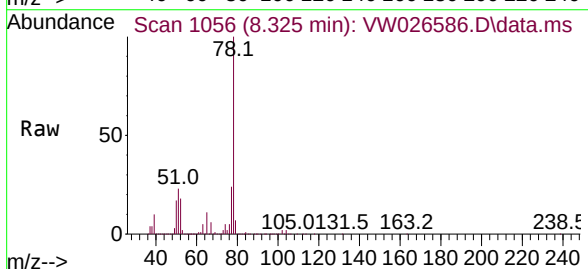
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

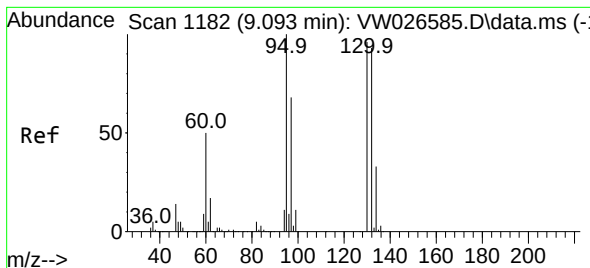
Tgt Ion:117 Resp: 609885
Ion Ratio Lower Upper
117 100
119 95.7 77.1 115.7



#33
Benzene
Concen: 50.535 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 78 Resp: 1883731





#34

Trichloroethene

Concen: 50.890 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD050417

Tgt Ion: 95 Resp: 487275

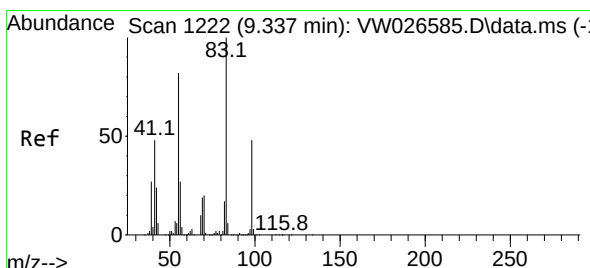
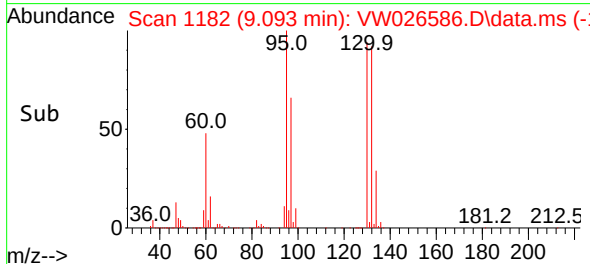
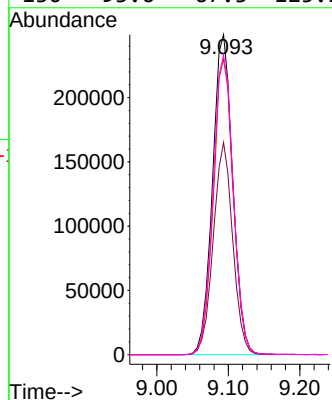
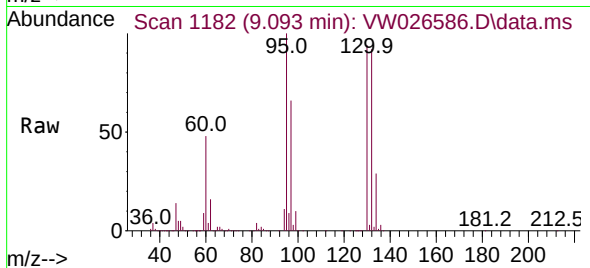
Ion Ratio Lower Upper

95 100

97 66.3 47.9 88.9

132 92.5 65.0 120.8

130 93.6 67.3 125.1



#35

Methylcyclohexane

Concen: 51.776 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

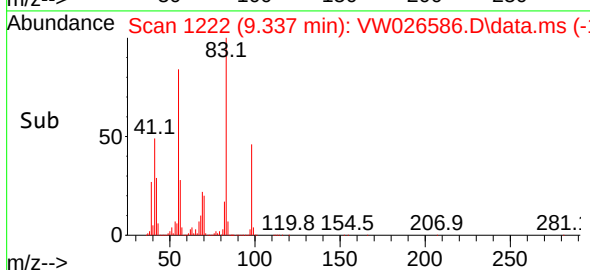
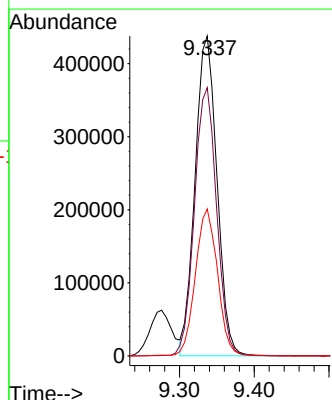
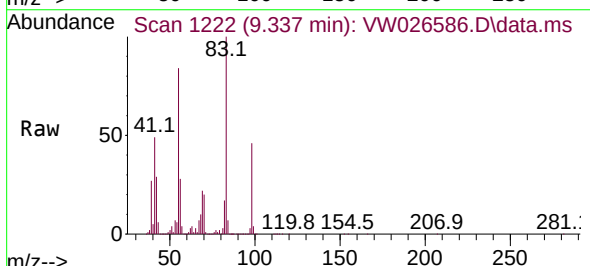
Tgt Ion: 83 Resp: 890184

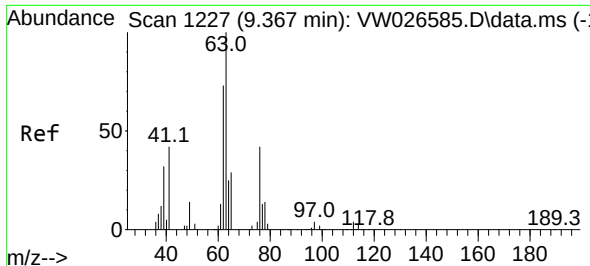
Ion Ratio Lower Upper

83 100

55 85.3 68.7 103.1

98 46.6 37.3 55.9





#37

1,2-Dichloropropane

Concen: 50.340 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

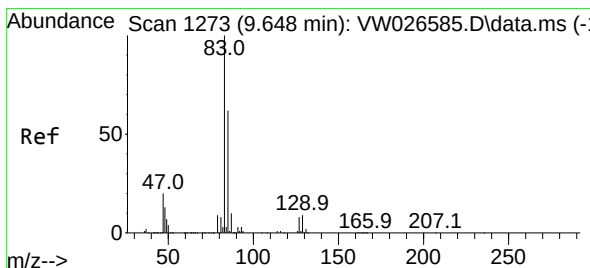
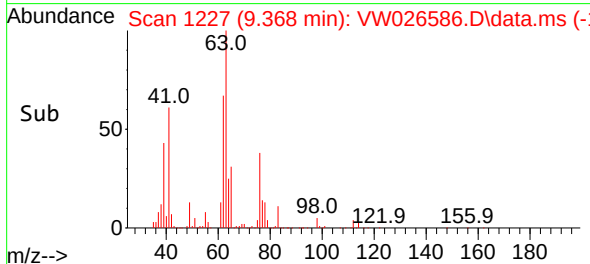
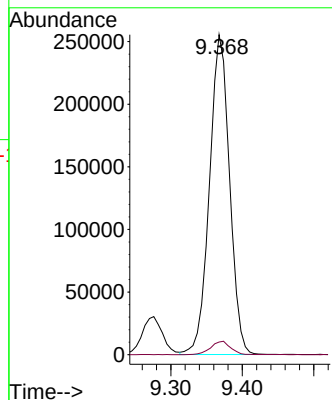
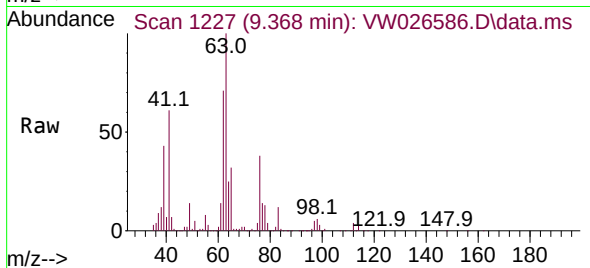
VSTD050417

Tgt Ion: 63 Resp: 498311

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 51.078 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

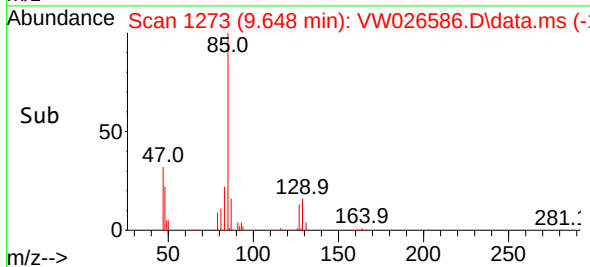
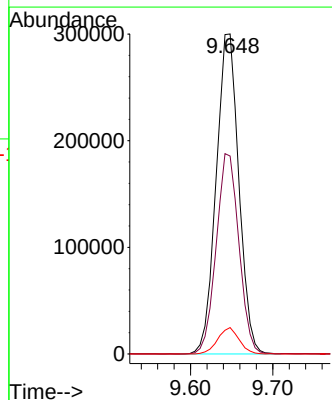
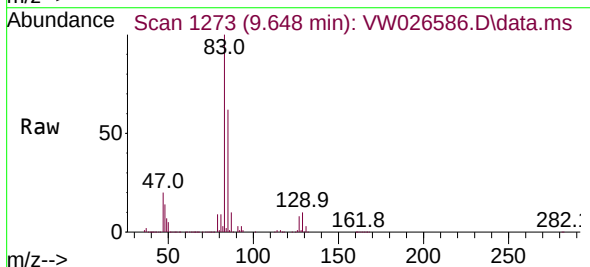
Tgt Ion: 83 Resp: 574462

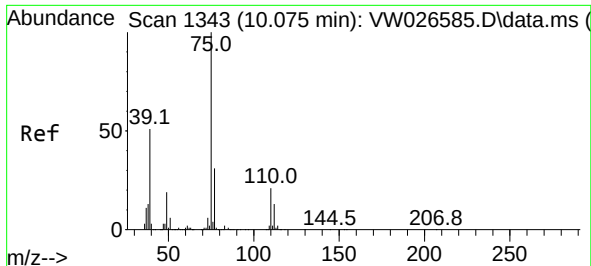
Ion Ratio Lower Upper

83 100

85 61.8 43.3 80.3

127 8.3 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 53.713 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

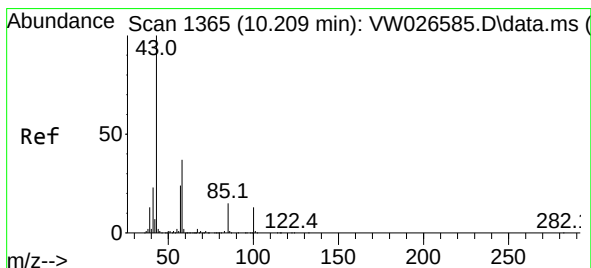
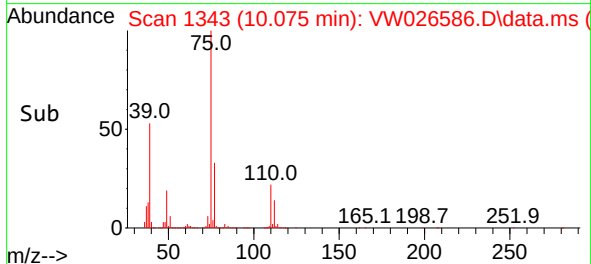
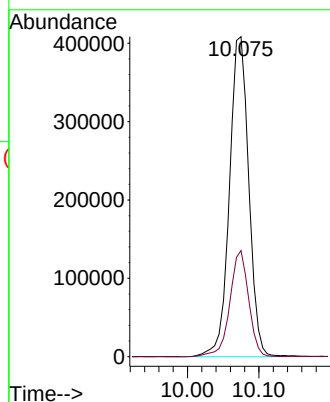
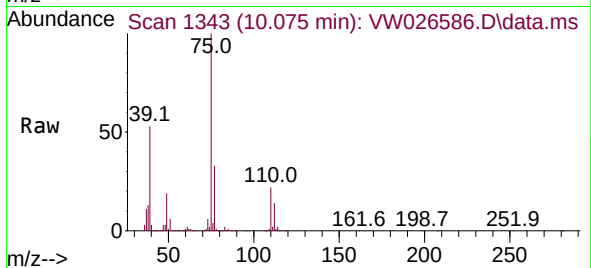
VSTD050417

Tgt Ion: 75 Resp: 765501

Ion Ratio Lower Upper

75 100

77 33.2 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 104.546 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

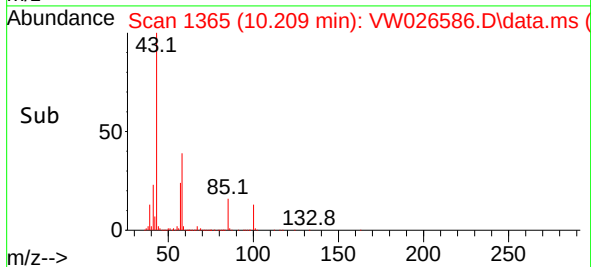
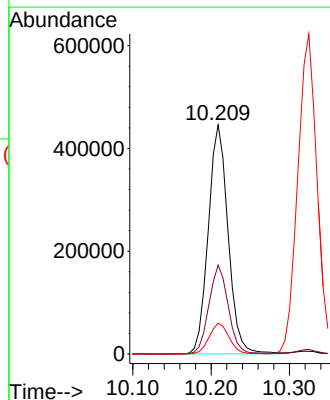
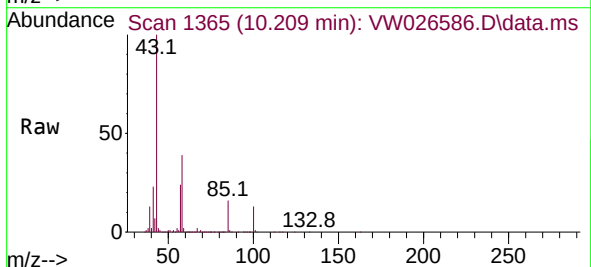
Tgt Ion: 43 Resp: 781121

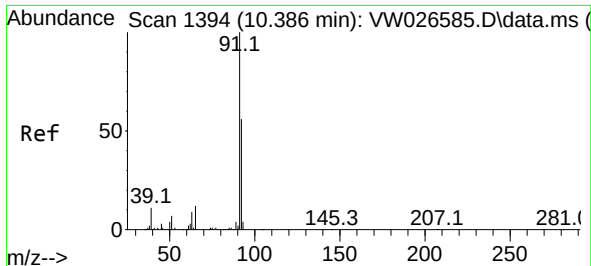
Ion Ratio Lower Upper

43 100

58 37.9 29.8 44.8

100 13.6 10.7 16.1

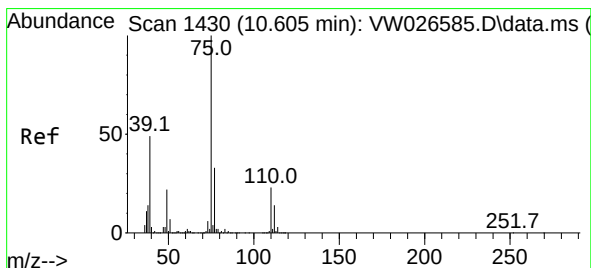
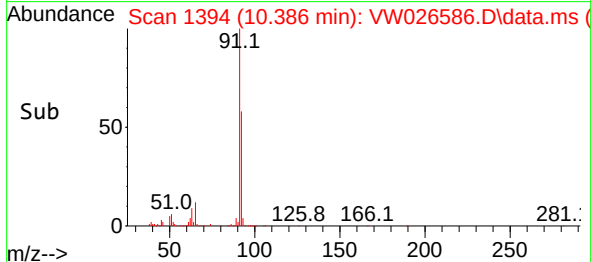
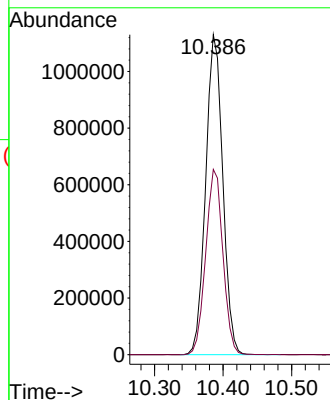
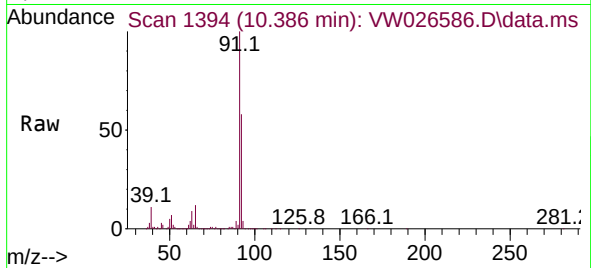




#42
Toluene
Concen: 52.161 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

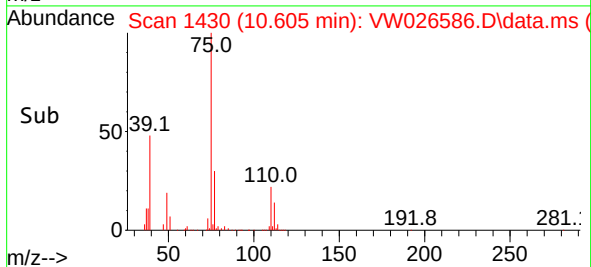
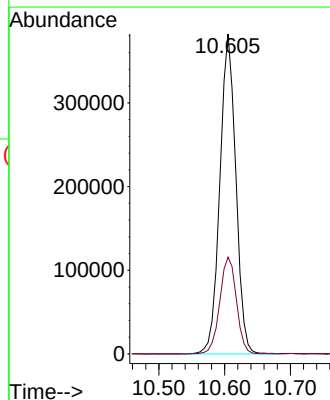
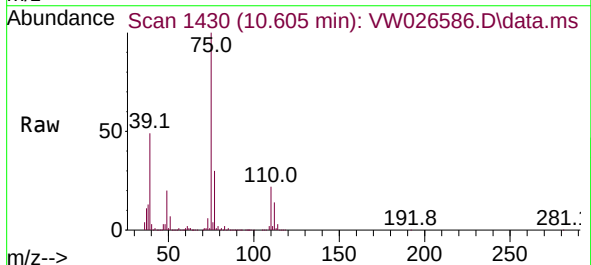
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

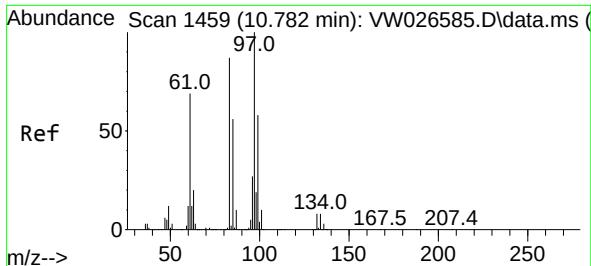
Tgt Ion: 91 Resp: 1963536
Ion Ratio Lower Upper
91 100
92 57.9 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 53.791 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 75 Resp: 646543
Ion Ratio Lower Upper
75 100
77 30.3 23.0 42.6

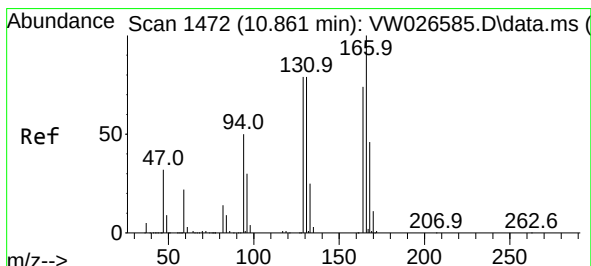
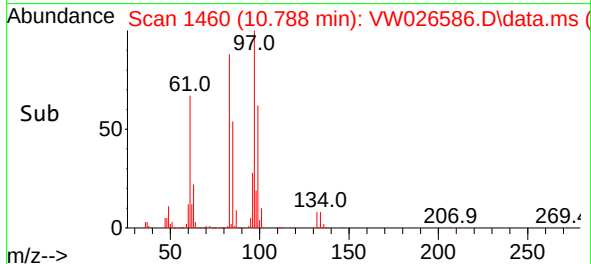
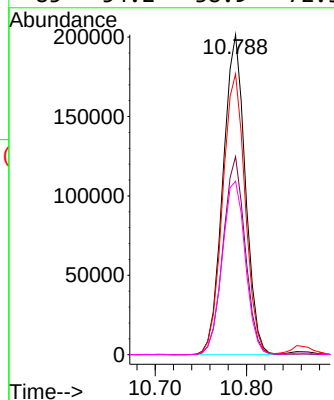
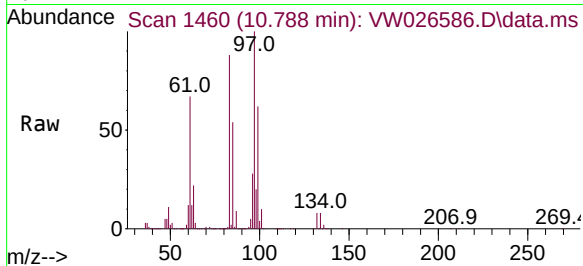




#45
1,1,2-Trichloroethane
Concen: 49.593 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

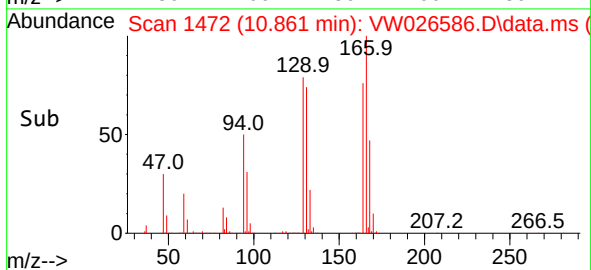
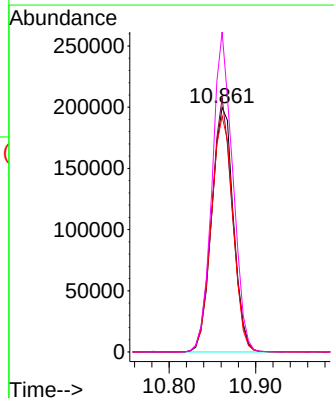
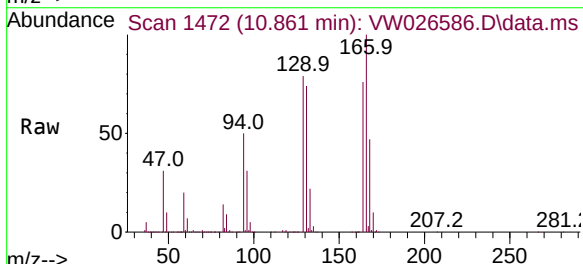
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

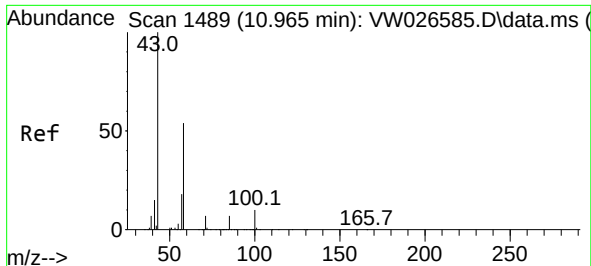
Tgt Ion:	97	Resp:	342652
Ion	Ratio	Lower	Upper
97	100		
99	61.9	40.5	75.3
83	87.8	61.0	113.2
85	54.2	38.9	72.3



#46
Tetrachloroethene
Concen: 51.220 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion:	164	Resp:	348168
Ion	Ratio	Lower	Upper
164	100		
129	103.9	75.5	140.1
131	96.4	74.8	138.8
166	130.9	95.1	176.5

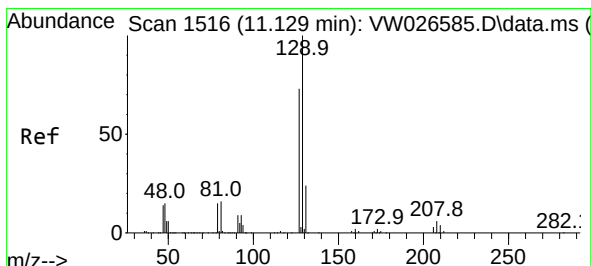
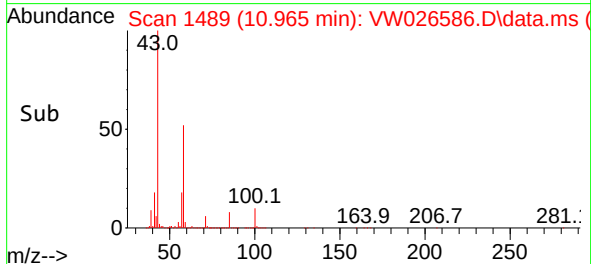
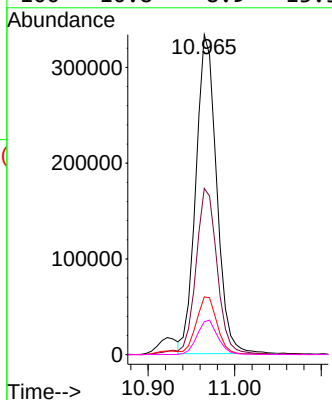
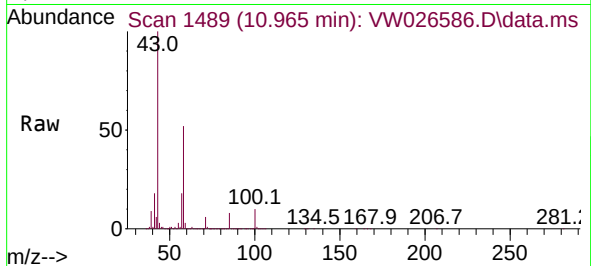




#48
2-Hexanone
Concen: 106.403 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

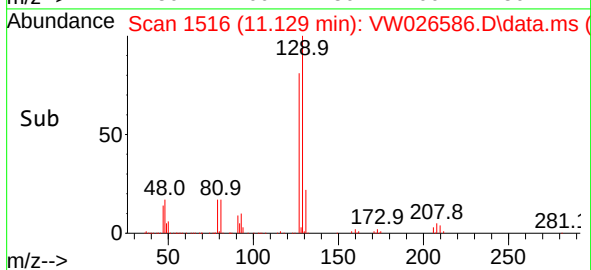
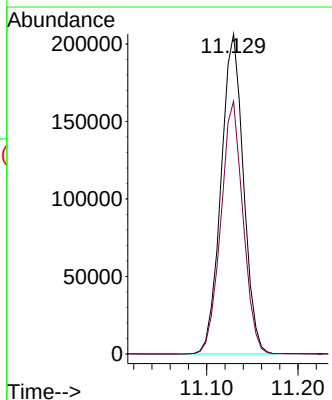
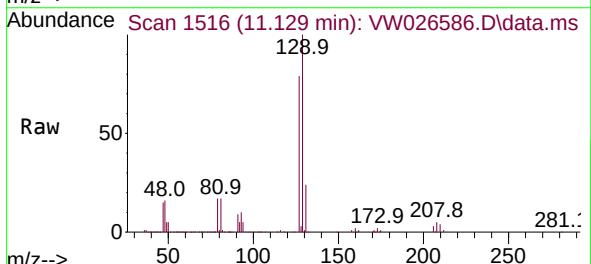
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

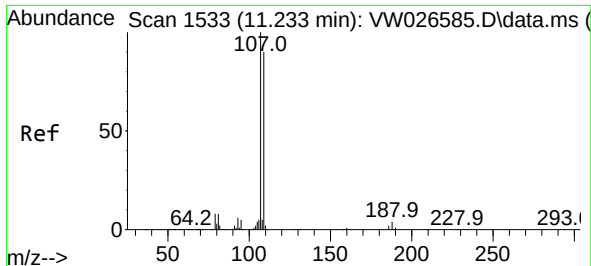
Tgt Ion: 43 Resp: 554812
Ion Ratio Lower Upper
43 100
58 52.9 42.1 63.1
57 18.1 14.8 22.2
100 10.8 8.9 13.3



#49
Dibromochloromethane
Concen: 51.428 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion: 129 Resp: 351816
Ion Ratio Lower Upper
129 100
127 79.0 51.2 95.2





#50

1,2-Dibromoethane

Concen: 50.985 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD050417

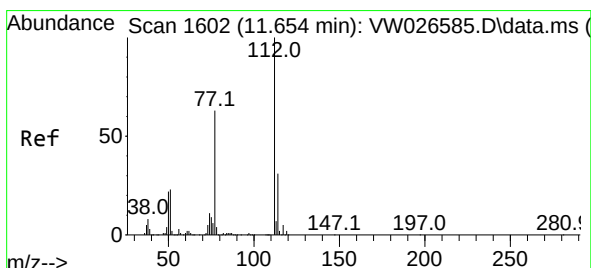
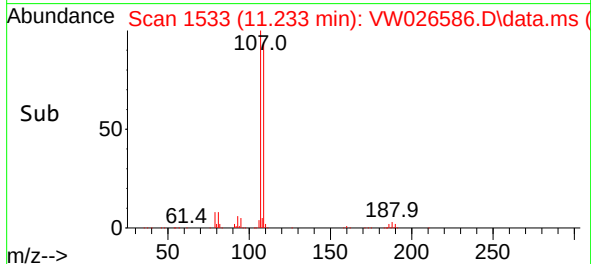
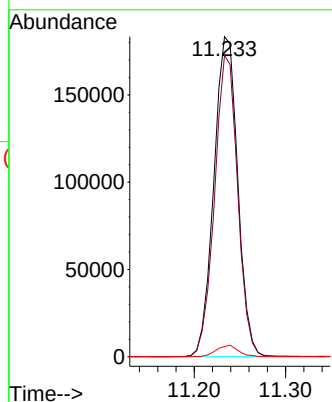
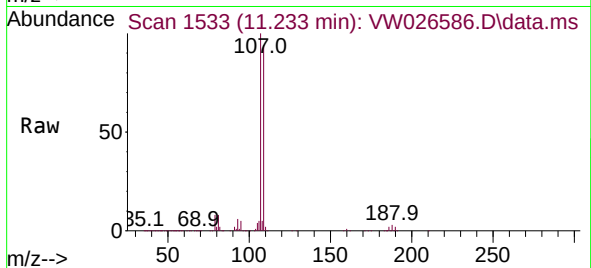
Tgt Ion:107 Resp: 332042

Ion Ratio Lower Upper

107 100

109 94.2 62.9 116.7

188 3.2 2.8 4.2



#51

Chlorobenzene

Concen: 50.171 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

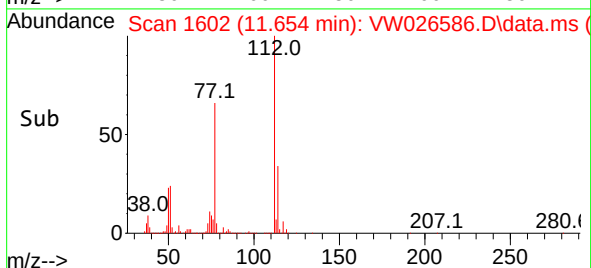
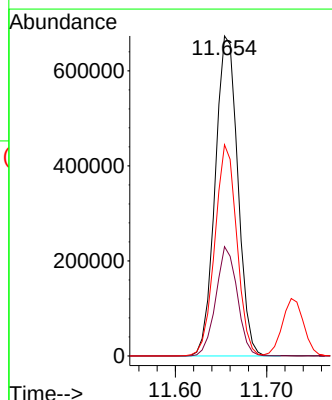
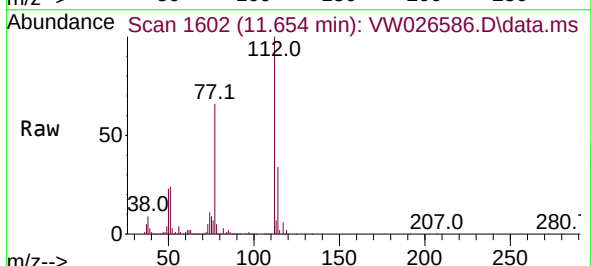
Tgt Ion:112 Resp: 1157957

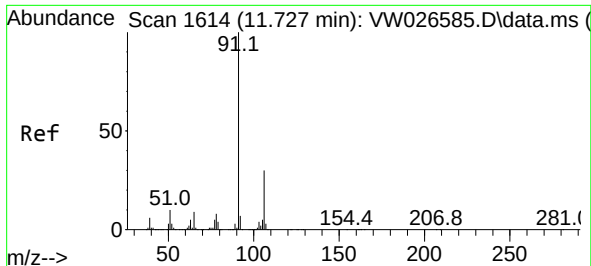
Ion Ratio Lower Upper

112 100

114 34.2 21.6 40.2

77 66.0 50.3 75.5





#52

Ethylbenzene

Concen: 52.654 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

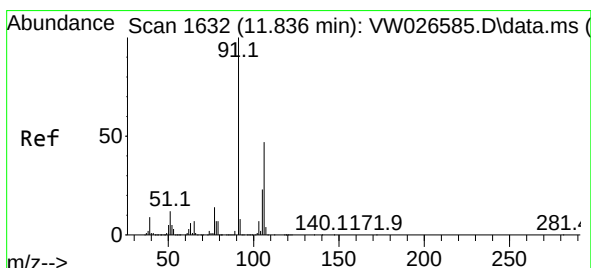
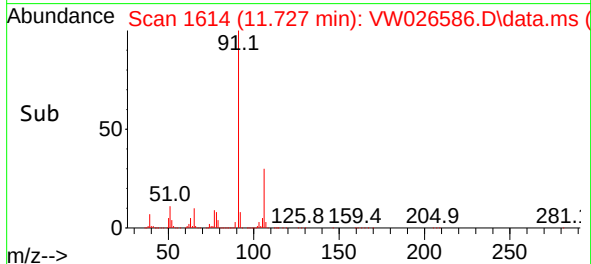
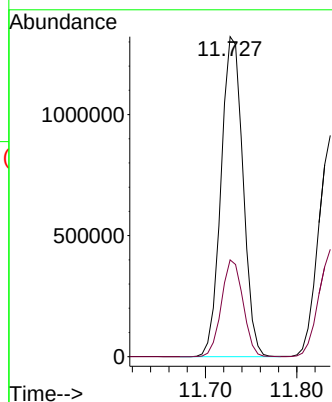
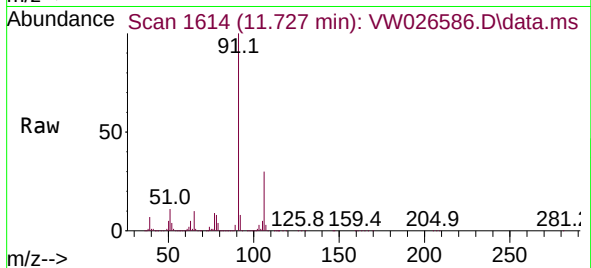
VSTD050417

Tgt Ion: 91 Resp: 2206678

Ion Ratio Lower Upper

91 100

106 30.3 20.8 38.6



#53

m,p-Xylene

Concen: 53.780 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW026586.D

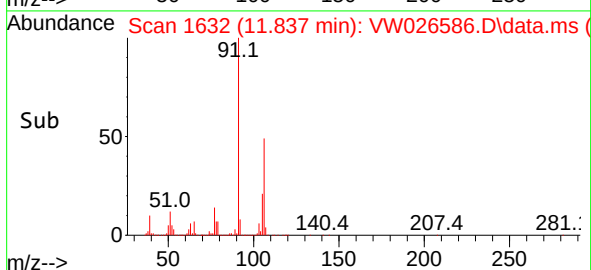
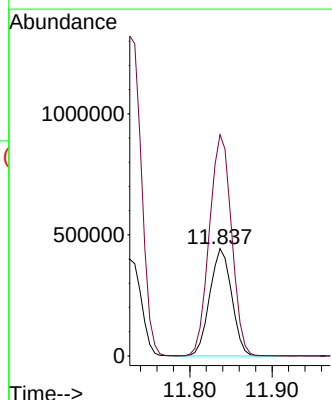
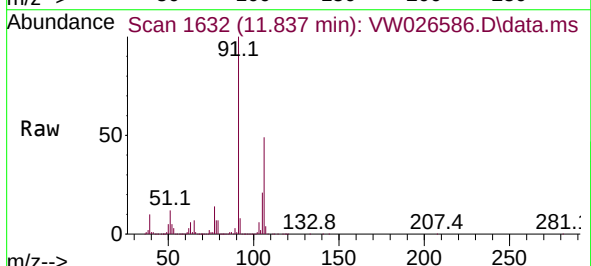
Acq: 11 Jul 2023 09:47

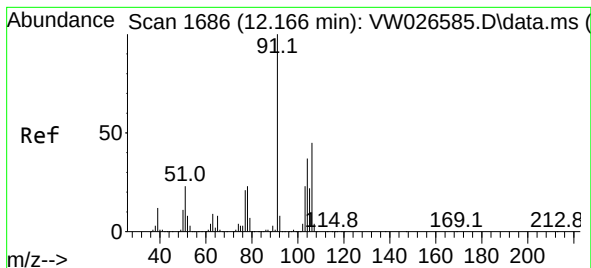
Tgt Ion:106 Resp: 819971

Ion Ratio Lower Upper

106 100

91 206.2 150.3 279.1

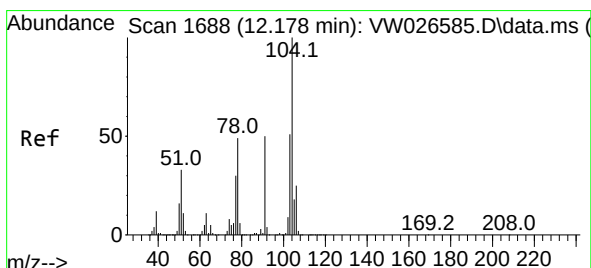
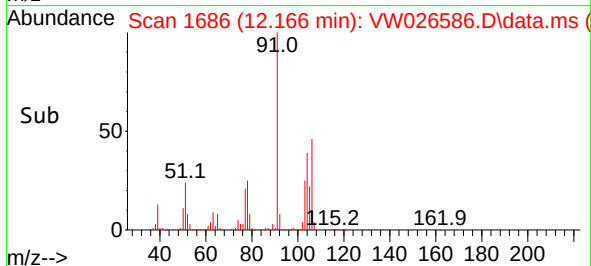
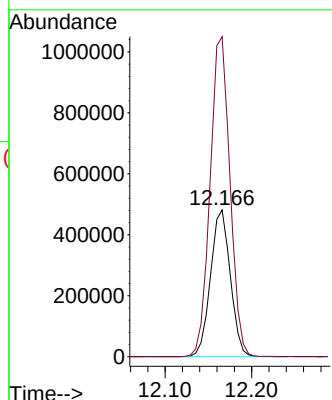
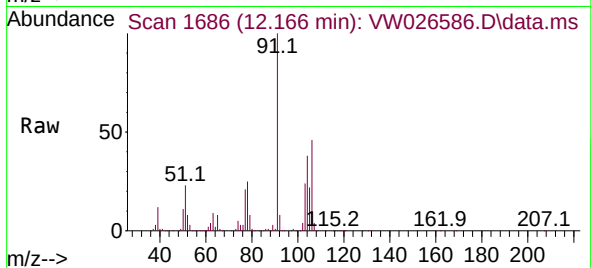




#54
o-Xylene
Concen: 53.316 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

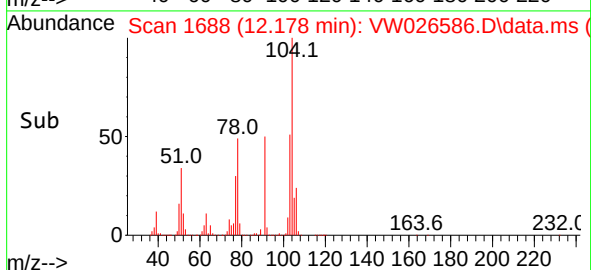
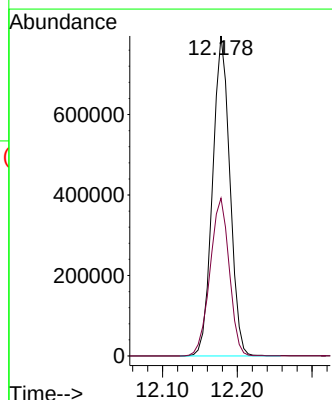
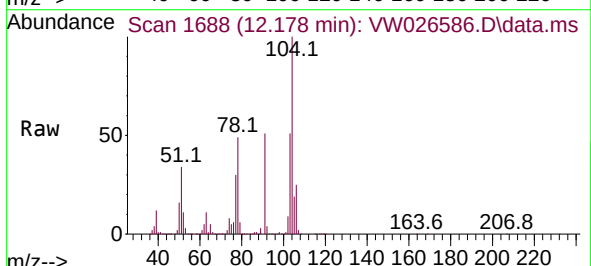
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

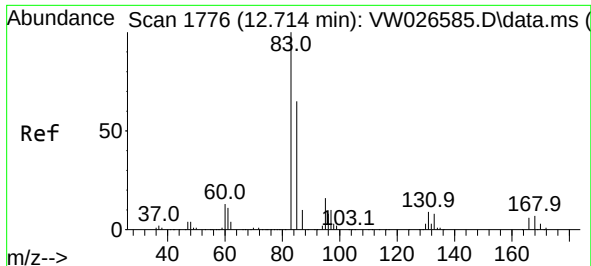
Tgt Ion:106 Resp: 763005
Ion Ratio Lower Upper
106 100
91 218.1 154.3 286.5



#55
Styrene
Concen: 53.117 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion:104 Resp: 1282154
Ion Ratio Lower Upper
104 100
78 49.3 34.6 64.2





#57

1,1,2,2-Tetrachloroethane

Concen: 49.602 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD050417

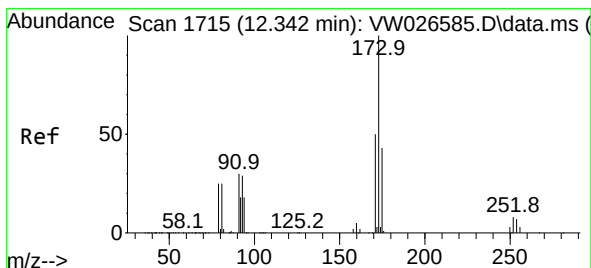
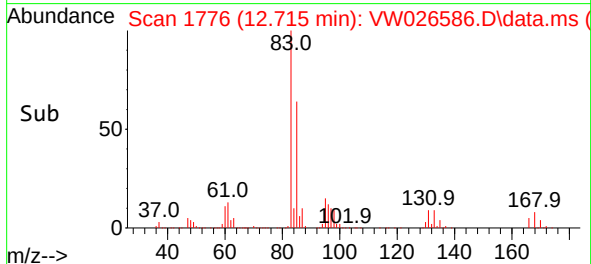
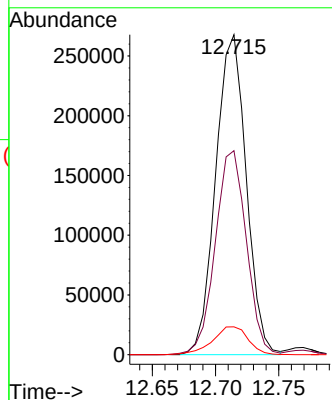
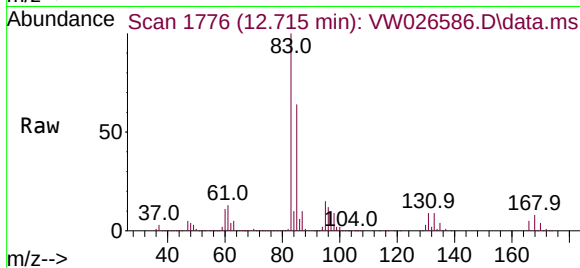
Tgt Ion: 83 Resp: 449745

Ion Ratio Lower Upper

83 100

85 63.8 46.2 85.8

131 8.7 7.2 10.8



#59

Bromoform

Concen: 52.422 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

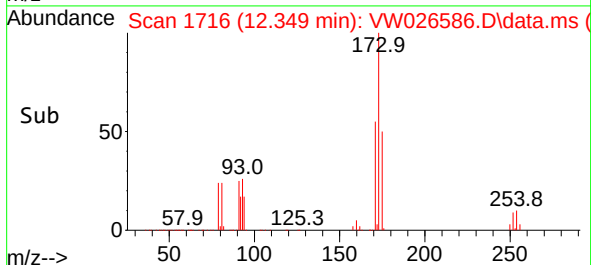
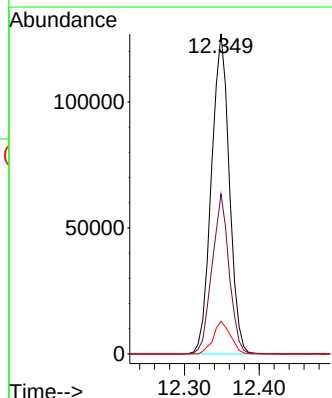
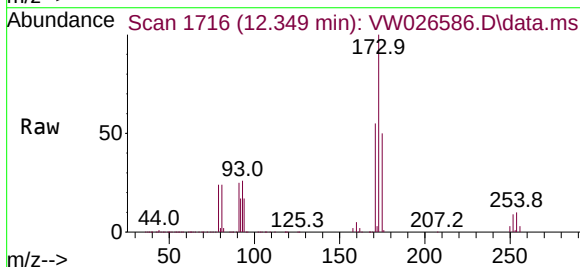
Tgt Ion: 173 Resp: 211652

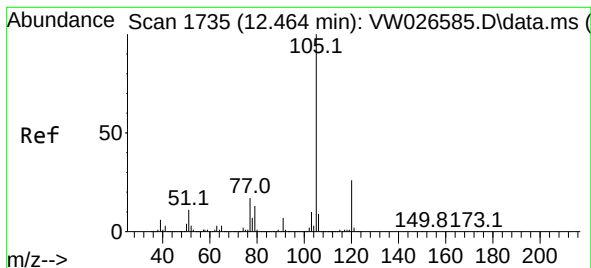
Ion Ratio Lower Upper

173 100

175 47.7 36.6 54.8

254 9.8 7.8 11.6





#60

Isopropylbenzene

Concen: 54.000 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD050417

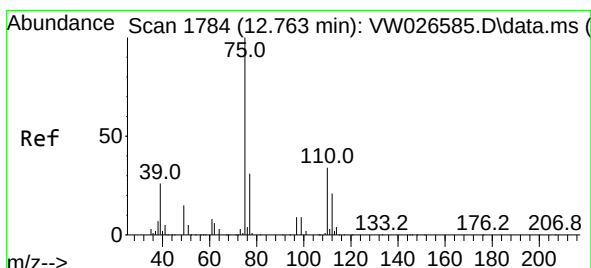
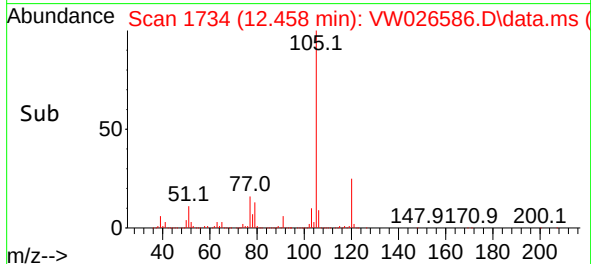
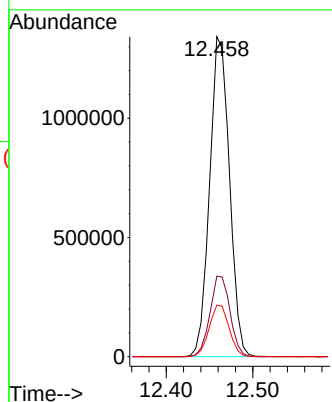
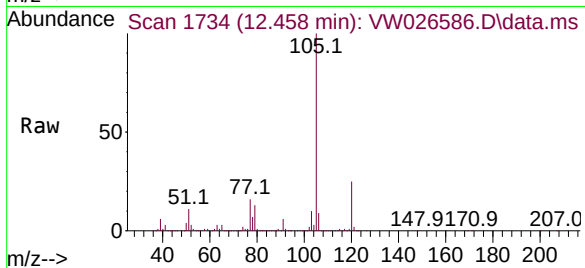
Tgt Ion:105 Resp: 2132778

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

77 16.3 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 48.917 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

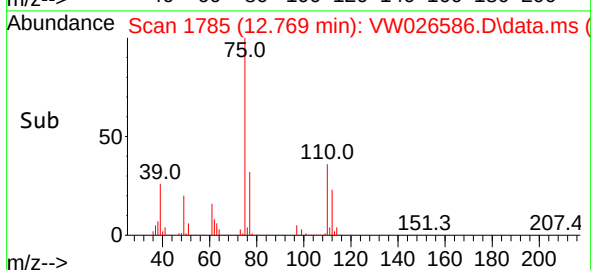
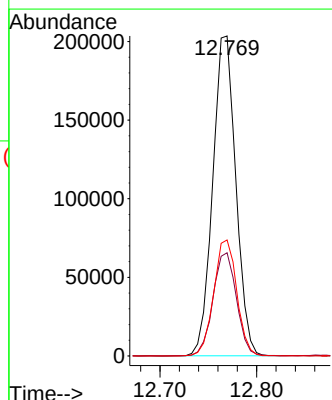
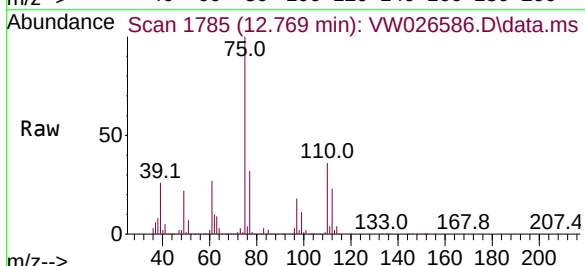
Tgt Ion: 75 Resp: 337275

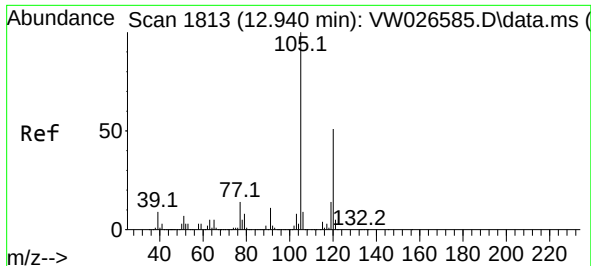
Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5

110 36.3 28.3 42.5

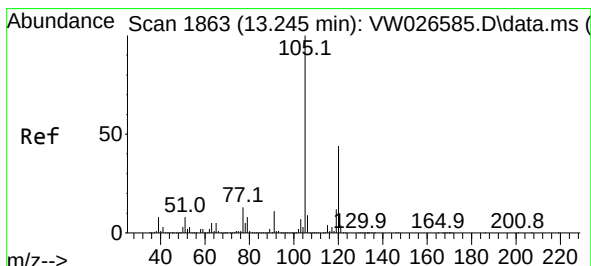
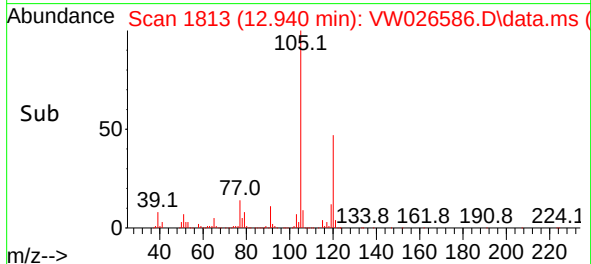
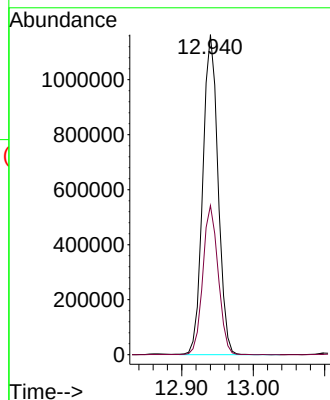
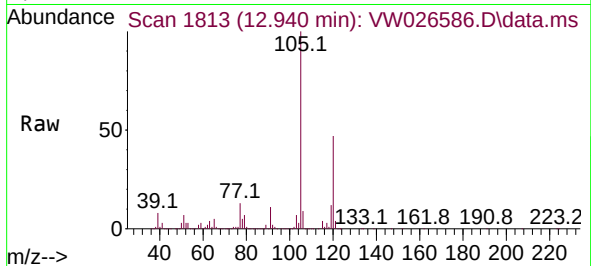




#62
1,3,5-Trimethylbenzene
Concen: 56.879 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

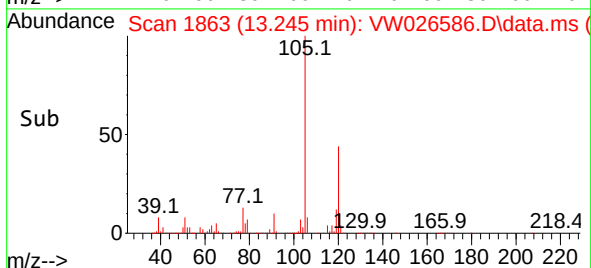
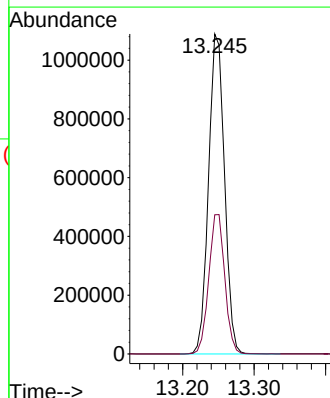
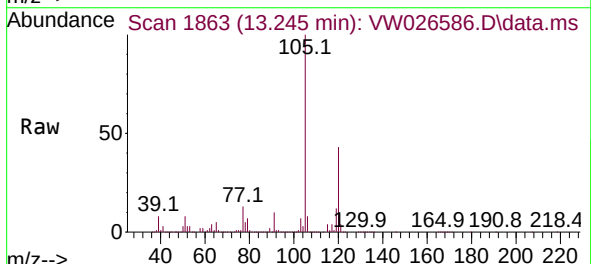
Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

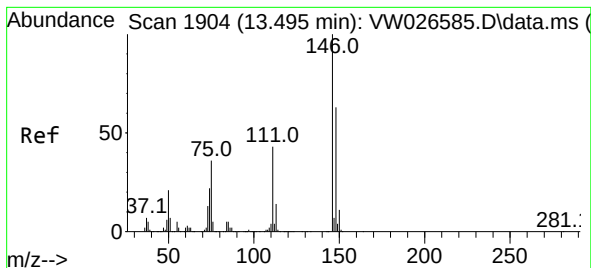
Tgt Ion:105 Resp: 1723079
Ion Ratio Lower Upper
105 100
120 46.8 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 56.123 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion:105 Resp: 1685616
Ion Ratio Lower Upper
105 100
120 43.8 35.2 52.8





#64

1,3-Dichlorobenzene

Concen: 49.933 ug/L

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD050417

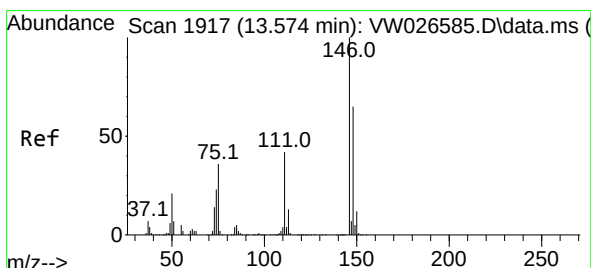
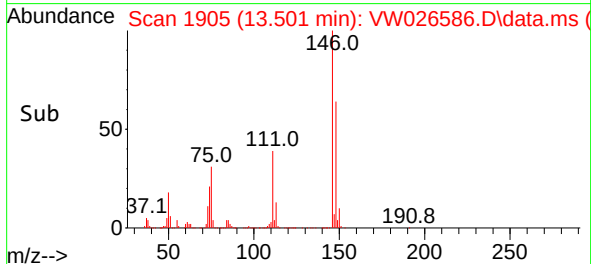
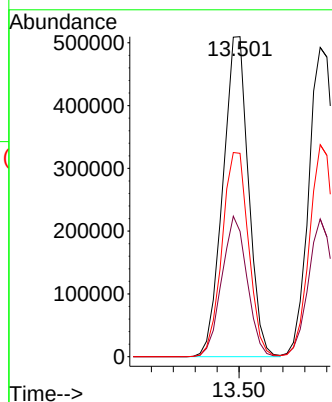
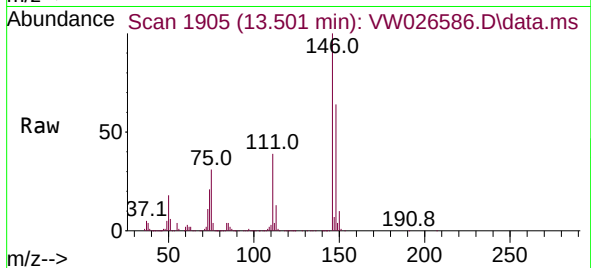
Tgt Ion:146 Resp: 827538

Ion Ratio Lower Upper

146 100

111 39.1 30.4 56.4

148 63.6 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 50.412 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

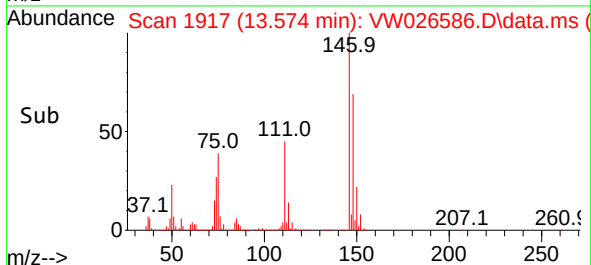
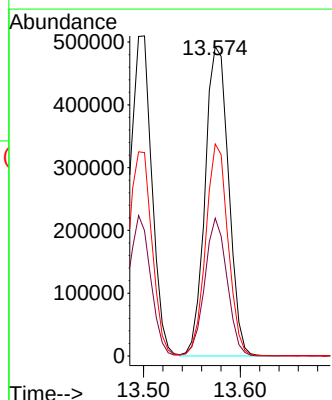
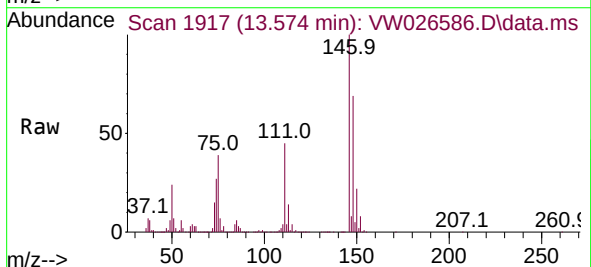
Tgt Ion:146 Resp: 833238

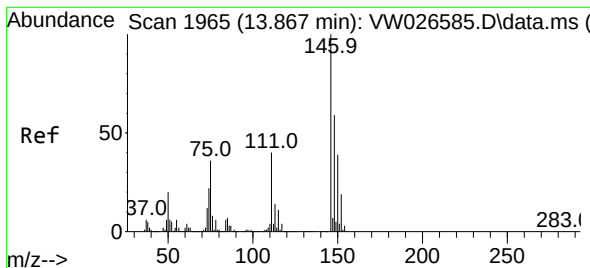
Ion Ratio Lower Upper

146 100

111 44.6 29.7 55.1

148 68.6 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 49.714 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD050417

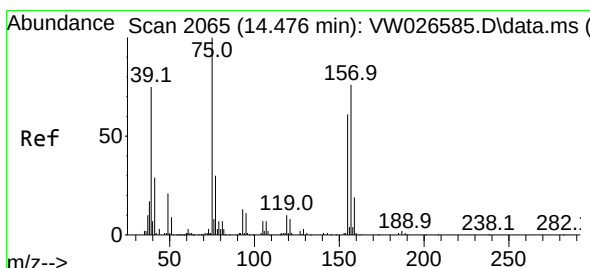
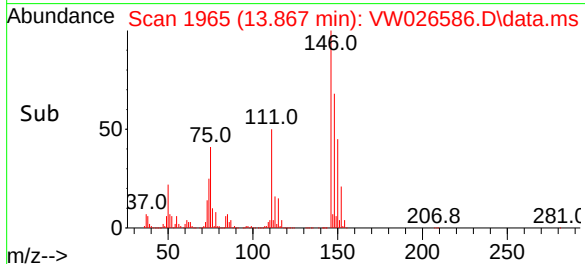
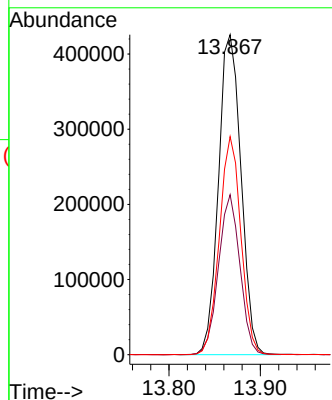
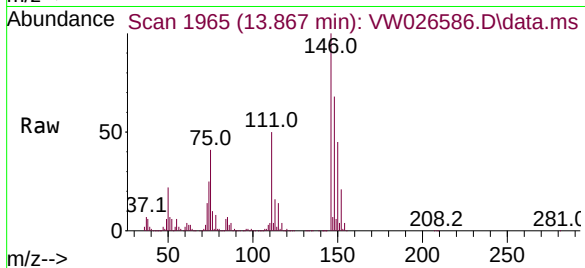
Tgt Ion:146 Resp: 729186

Ion Ratio Lower Upper

146 100

111 50.0 31.8 47.8#

148 68.1 46.9 70.3



#68

1,2-Dibromo-3-chloropropane

Concen: 48.955 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

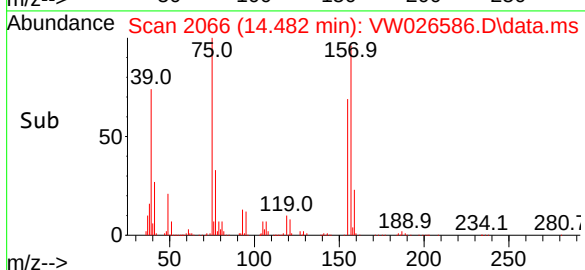
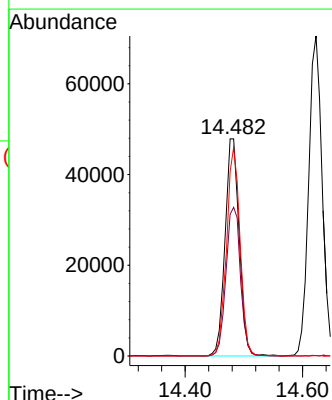
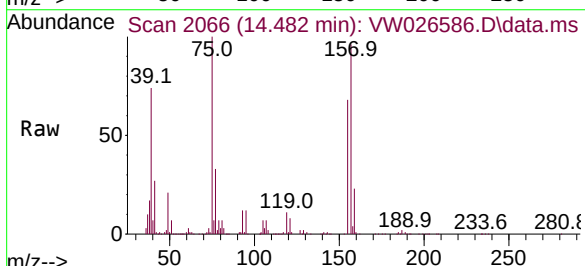
Tgt Ion: 75 Resp: 80366

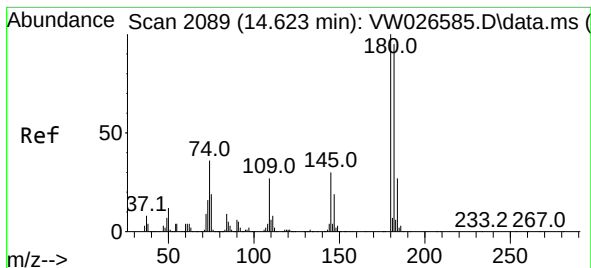
Ion Ratio Lower Upper

75 100

155 68.5 49.1 73.7

157 96.0 60.6 90.8#





#69

1,3,5-Trichlorobenzene

Concen: 49.910 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

Instrument :

MSVOA_W

ClientSampleId :

VSTD050417

Tgt Ion:180 Resp: 547381

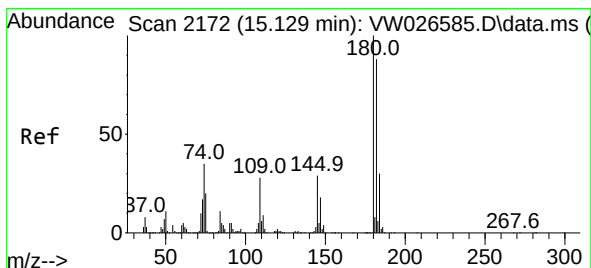
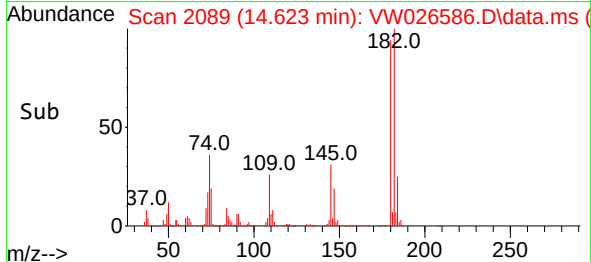
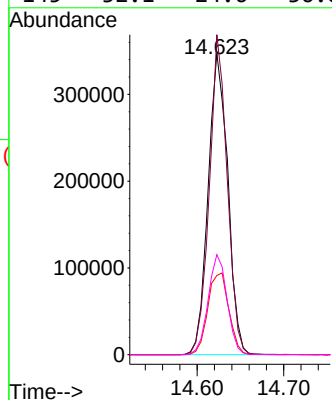
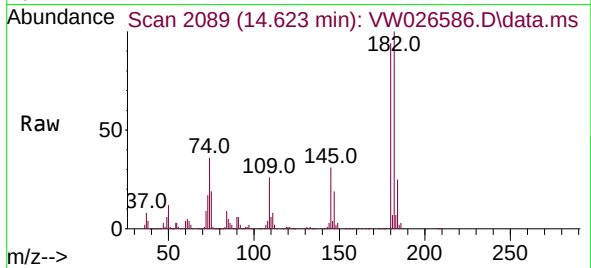
Ion Ratio Lower Upper

180 100

182 96.8 75.8 113.6

184 29.1 23.7 35.5

145 32.1 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 50.503 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026586.D

Acq: 11 Jul 2023 09:47

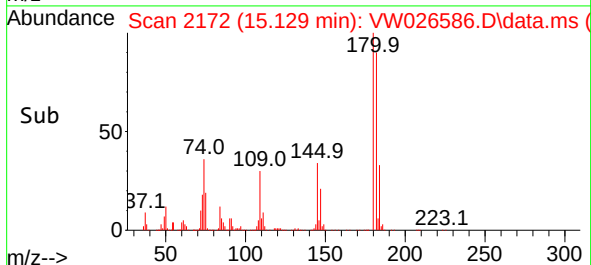
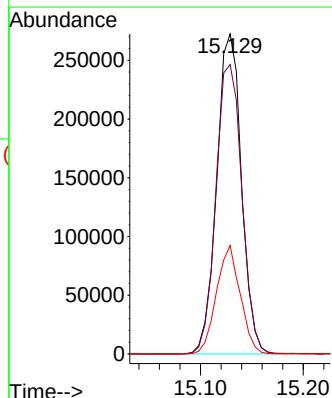
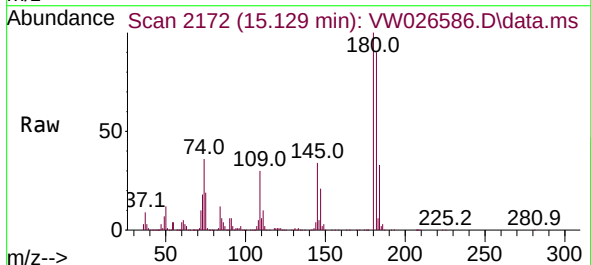
Tgt Ion:180 Resp: 454531

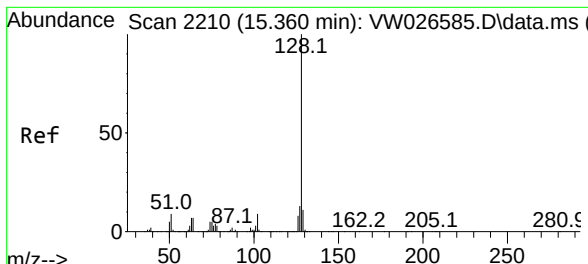
Ion Ratio Lower Upper

180 100

182 95.0 73.5 110.3

145 32.6 25.0 37.6



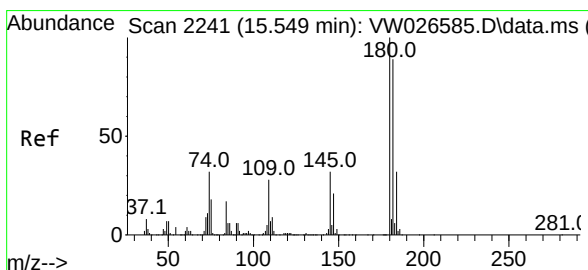
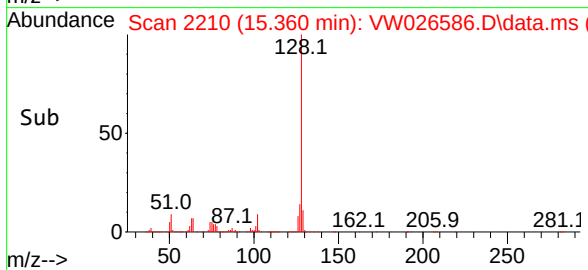
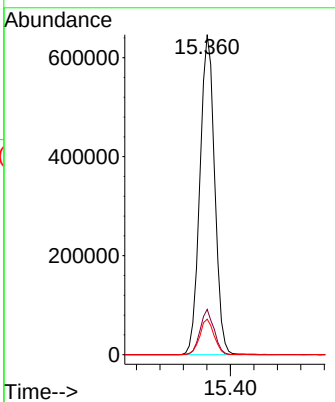
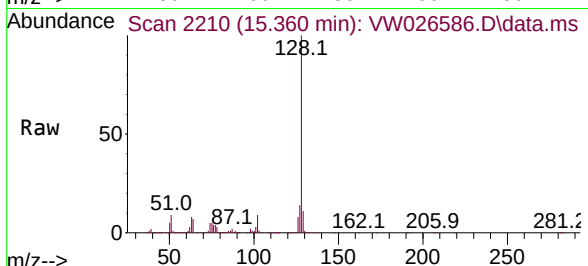


#71
Naphthalene
Concen: 55.350 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Instrument :
MSVOA_W
ClientSampleId :
VSTD050417

Tgt Ion:128 Resp: 1128112

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	10.8	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.647 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW026586.D
Acq: 11 Jul 2023 09:47

Tgt Ion:180 Resp: 420656

Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.2	112.8
145	33.3	26.6	40.0

