

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070323\
 Data File : VW026515.D
 Acq On : 03 Jul 2023 17:55
 Operator : SY/MD
 Sample : VSTD100
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100402

Quant Time: Jul 04 01:43:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 04 01:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	622371	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	537549	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	258644	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	1046623	121.162	ug/L	0.00
7) Chloroethane-d5	2.887	69	794948	113.970	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.027	65	471360	110.498	ug/L	0.00
21) 2-Butanone-d5	7.075	46	686521	200.549	ug/L	0.00
24) Chloroform-d	7.648	84	1842691	102.070	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	1039799	99.109	ug/L	0.00
32) Benzene-d6	8.270	84	3646315	101.153	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	1166468	101.415	ug/L	0.00
41) Toluene-d8	10.325	98	3280655	101.558	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	490456	106.333	ug/L	0.00
47) 2-Hexanone-d5	10.922	63	448142	211.651	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	930813	99.429	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	947956	96.795	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	783922	116.882	ug/L	97
3) Chloromethane	2.228	50	1194445	112.193	ug/L	99
5) Vinyl chloride	2.381	62	1143767	111.753	ug/L	99
6) Bromomethane	2.783	94	618412	105.683	ug/L	98
8) Chloroethane	2.930	64	670278	111.306	ug/L	98
9) Trichlorofluoromethane	3.259	101	833114	120.595	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	848468	103.743	ug/L	98
12) 1,1-Dichloroethene	4.045	96	823135	105.393	ug/L	93
13) Acetone	4.118	43	400821	186.368	ug/L	97
14) Carbon disulfide	4.393	76	2525275	102.404	ug/L	100
15) Methyl Acetate	4.667	43	550977	100.579	ug/L	100
16) Methylene chloride	4.923	84	847630	78.895	ug/L	99
17) trans-1,2-Dichloroethene	5.417	96	859316	100.207	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	1511141	102.817	ug/L	99
19) 1,1-Dichloroethane	6.216	63	1811230	99.862	ug/L	100
20) cis-1,2-Dichloroethene	7.167	96	990077	102.051	ug/L	99
22) 2-Butanone	7.167	43	724169	189.896	ug/L	99
23) Bromochloromethane	7.514	128	414554	101.047	ug/L	91
25) Chloroform	7.673	83	1686211	99.876	ug/L	98
27) 1,2-Dichloroethane	8.398	62	1222268	99.379	ug/L	100
29) Cyclohexane	7.959	56	1656287	104.117	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	1314987	104.430	ug/L	98
31) Carbon tetrachloride	8.069	117	1195628	105.611	ug/L	100
33) Benzene	8.325	78	3679117	100.687	ug/L	100
34) Trichloroethene	9.093	95	954820	101.927	ug/L	98
35) Methylcyclohexane	9.331	83	1620802	101.198	ug/L	99
37) 1,2-Dichloropropane	9.367	63	1013654	101.149	ug/L	100
38) Bromodichloromethane	9.642	83	1235372	105.430	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	1595715	108.907	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	1624961	214.544	ug/L	99
42) Toluene	10.386	91	3776269	101.374	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	1328301	107.771	ug/L	99

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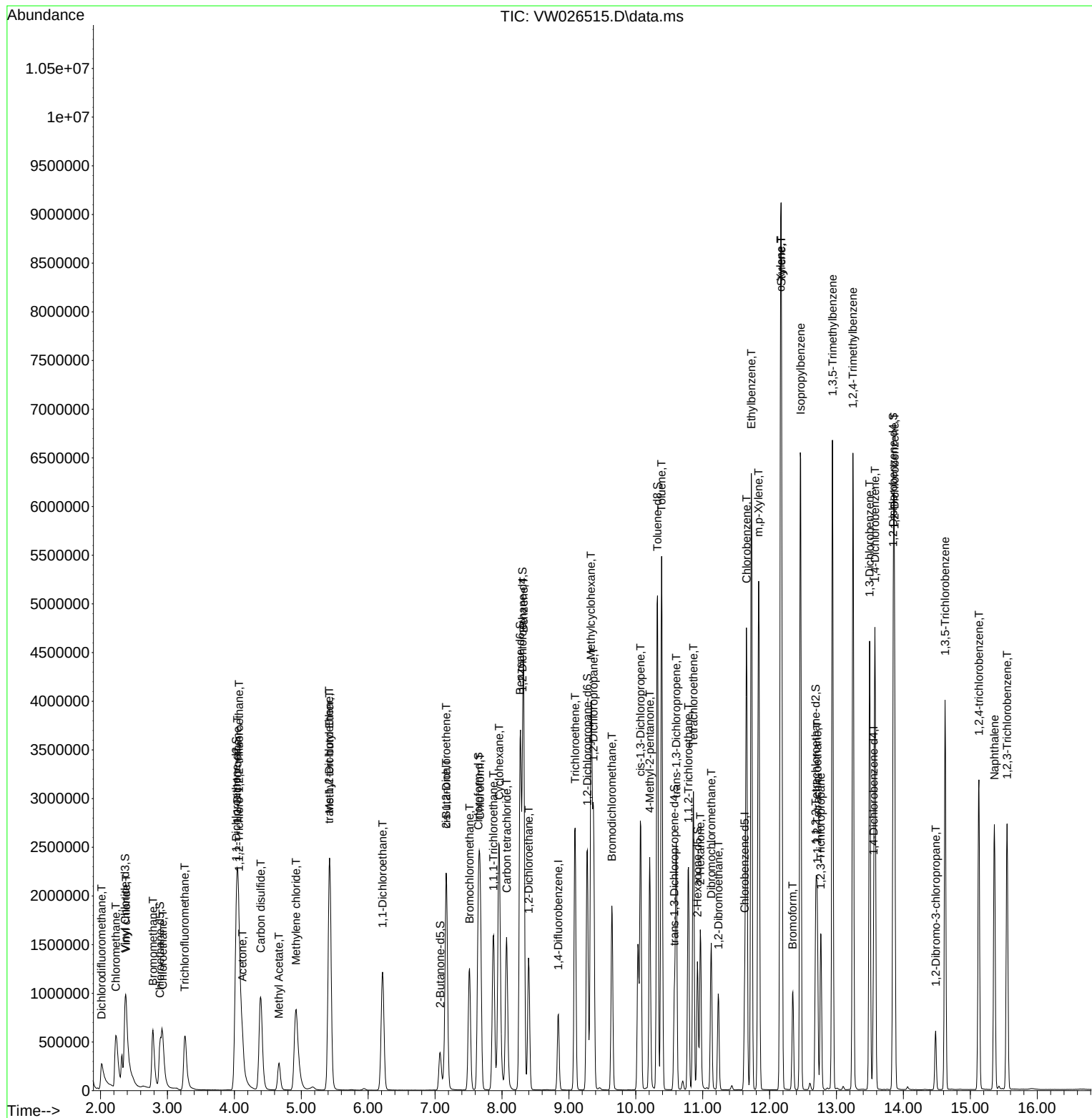
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.788	97	702679	101.070	ug/L	98
46) Tetrachloroethene	10.861	164	637262	101.034	ug/L	93
48) 2-Hexanone	10.965	43	1092418	213.648	ug/L	97
49) Dibromochloromethane	11.129	129	745538	104.556	ug/L	91
50) 1,2-Dibromoethane	11.233	107	670094	102.753	ug/L	99
51) Chlorobenzene	11.654	112	2308773	99.511	ug/L	96
52) Ethylbenzene	11.727	91	4324937	102.621	ug/L	99
53) m,p-Xylene	11.836	106	1602032	102.971	ug/L	95
54) o-Xylene	12.166	106	1545955	104.150	ug/L	96
55) Styrene	12.178	104	2626111	103.883	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.714	83	906939	100.564	ug/L	97
59) Bromoform	12.342	173	434363	107.398	ug/L	99
60) Isopropylbenzene	12.464	105	4133881	102.684	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	670506	100.017	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	3428597	105.489	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	3307778	105.540	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	1650051	97.849	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	1644894	97.095	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	1505974	99.806	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.482	75	161222	100.509	ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	1081078	96.868	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	906719	94.262	ug/L	98
71) Naphthalene	15.360	128	2205635	103.315	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	845552	98.567	ug/L	96

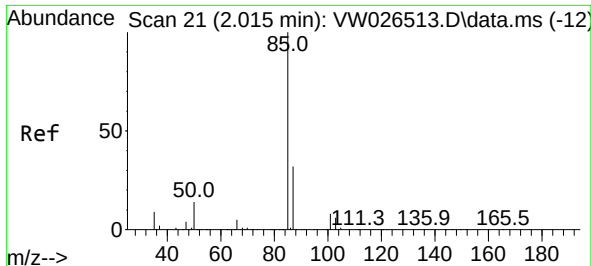
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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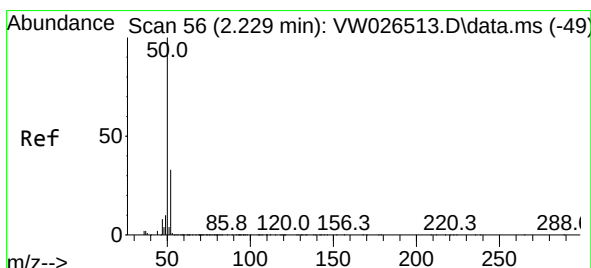
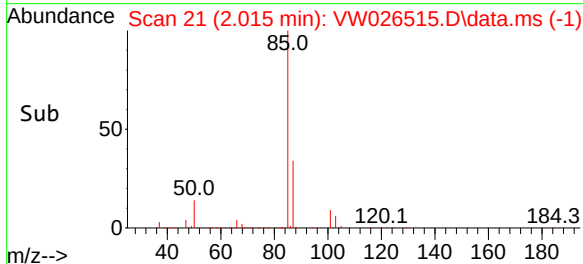
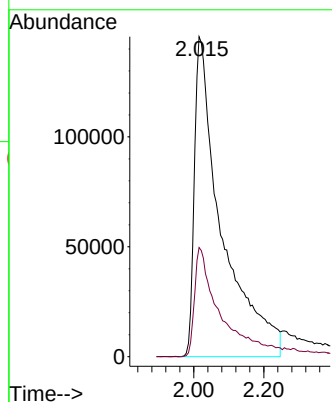
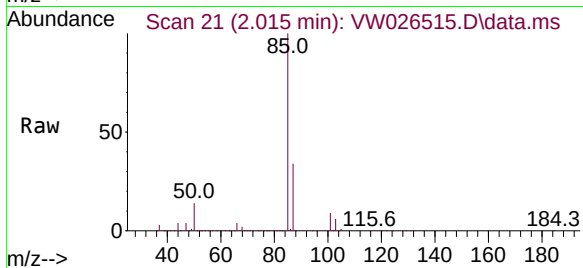




#2
 Dichlorodifluoromethane
 Concen: 116.882 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026515.D
 Acq: 03 Jul 2023 17:55

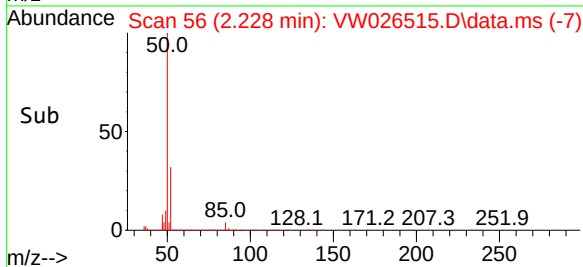
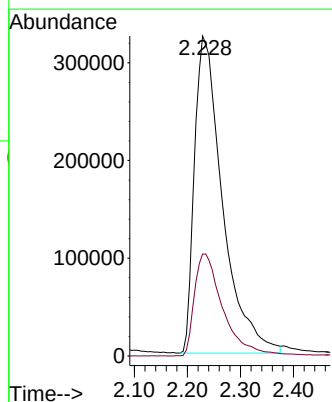
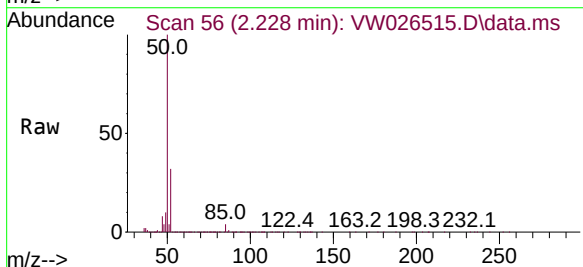
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100402

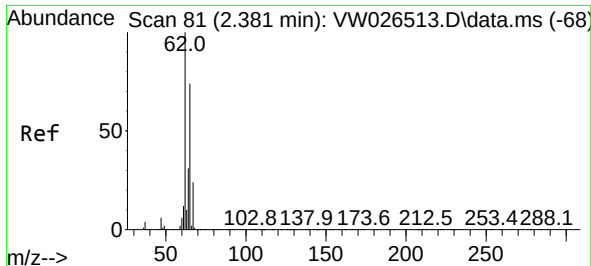
Tgt Ion: 85 Resp: 783922
 Ion Ratio Lower Upper
 85 100
 87 31.3 23.8 35.8



#3
 Chloromethane
 Concen: 112.193 ug/L
 RT: 2.228 min Scan# 56
 Delta R.T. -0.000 min
 Lab File: VW026515.D
 Acq: 03 Jul 2023 17:55

Tgt Ion: 50 Resp: 1194445
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.7 42.1

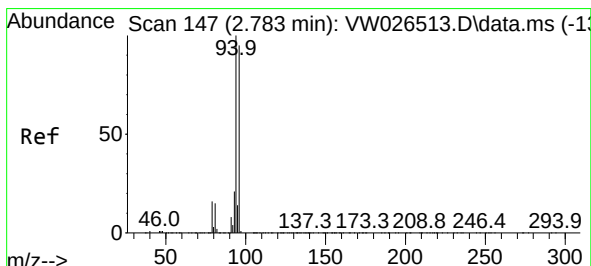
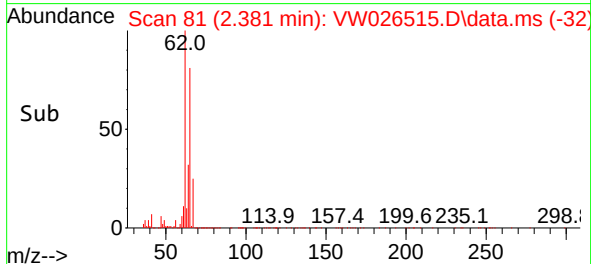
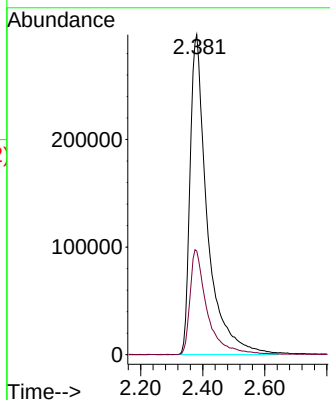
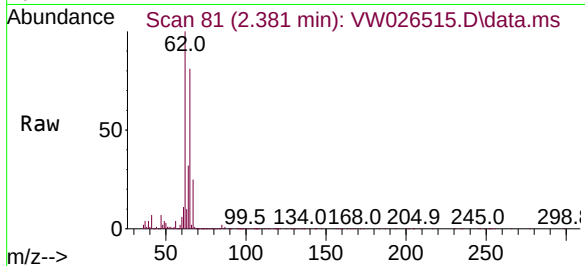




#5
 Vinyl chloride
 Concen: 111.753 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VW026515.D
 Acq: 03 Jul 2023 17:55

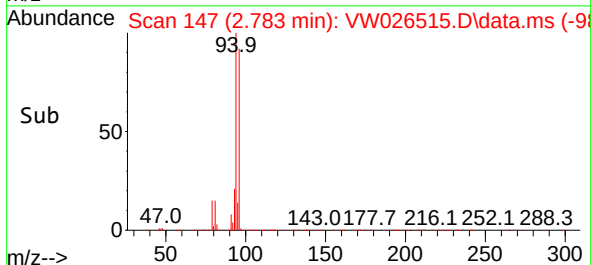
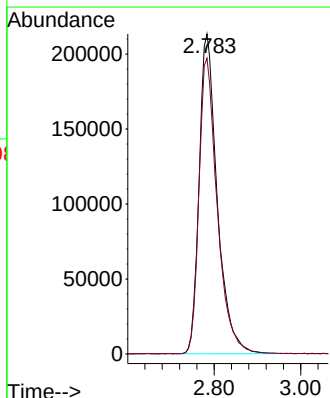
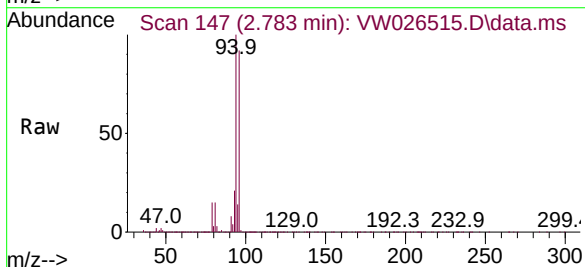
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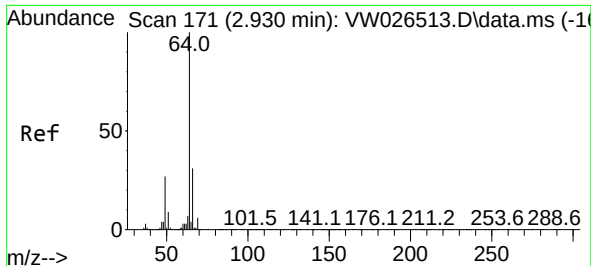
Tgt Ion: 62 Resp: 1143767
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.1 41.1



#6
 Bromomethane
 Concen: 105.683 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.000 min
 Lab File: VW026515.D
 Acq: 03 Jul 2023 17:55

Tgt Ion: 94 Resp: 618412
 Ion Ratio Lower Upper
 94 100
 96 92.4 66.3 123.1

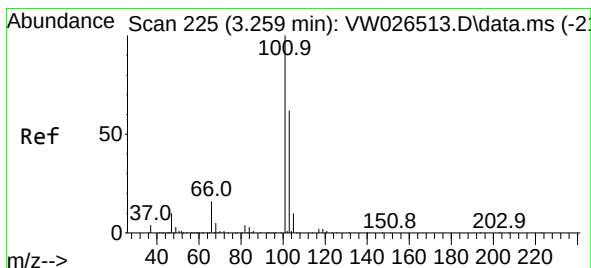
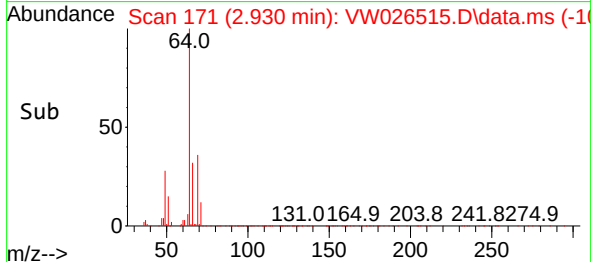
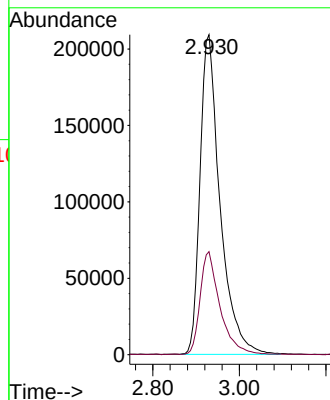
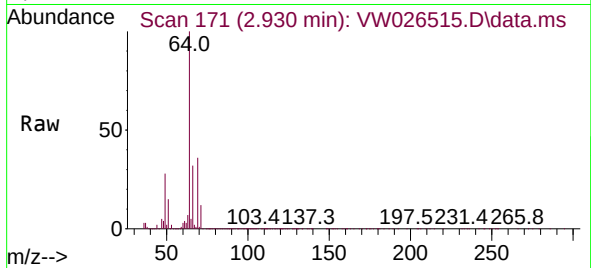




#8
Chloroethane
Concen: 111.306 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

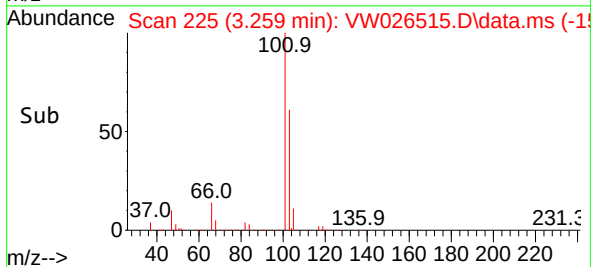
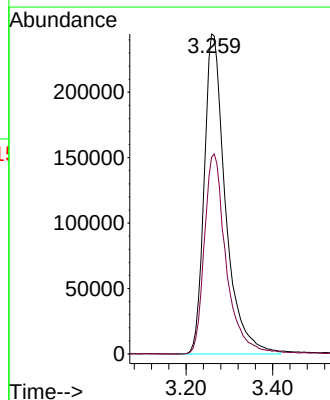
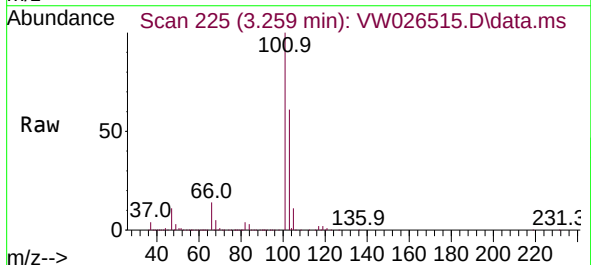
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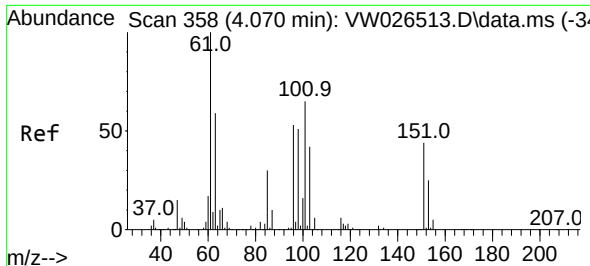
Tgt Ion: 64 Resp: 670278
Ion Ratio Lower Upper
64 100
66 32.2 21.6 40.2



#9
Trichlorofluoromethane
Concen: 120.595 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 101 Resp: 833114
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8

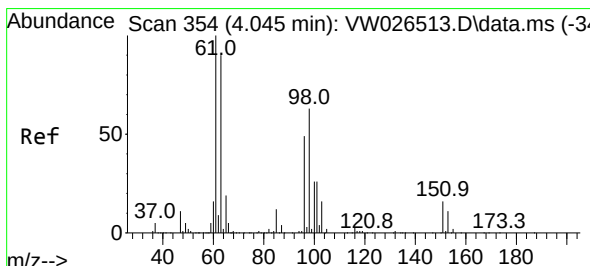
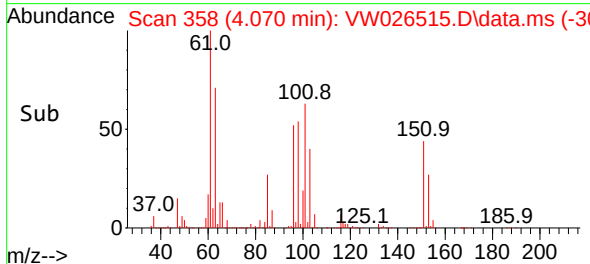
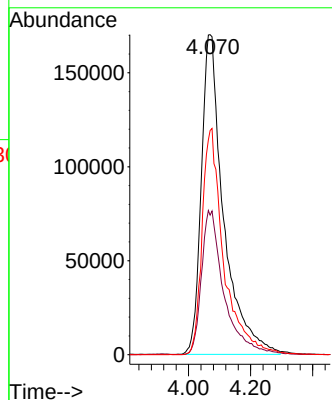
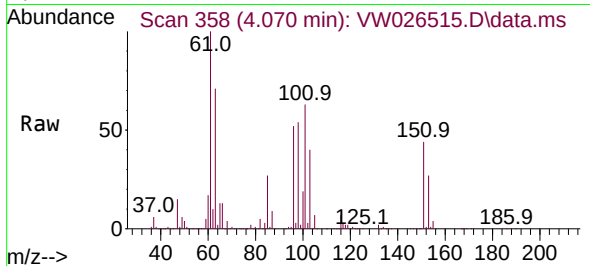




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 103.743 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. -0.000 min
 Lab File: VW026515.D
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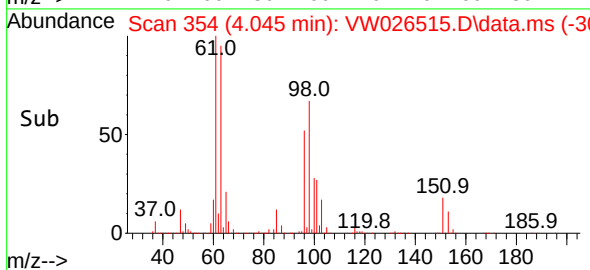
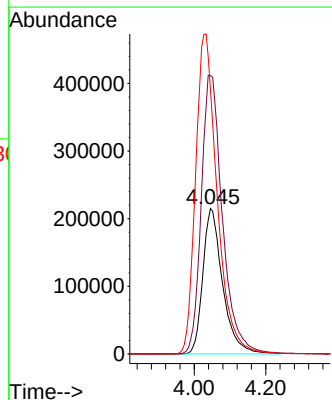
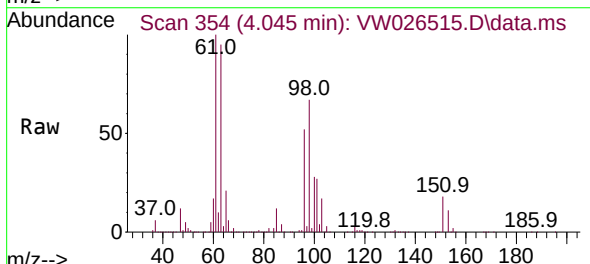
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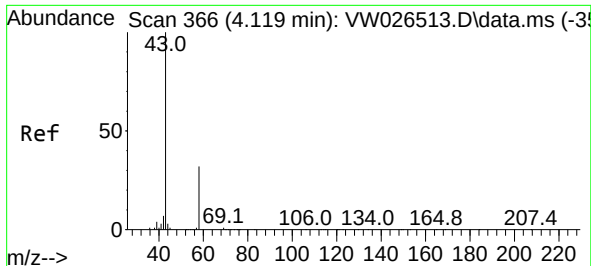
Tgt Ion:101 Resp: 848468
 Ion Ratio Lower Upper
 101 100
 85 44.7 35.4 53.0
 151 66.2 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 105.393 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW026515.D
 Acq: 03 Jul 2023 17:55

Tgt Ion: 96 Resp: 823135
 Ion Ratio Lower Upper
 96 100
 61 191.5 142.9 265.5
 63 182.0 132.7 246.5

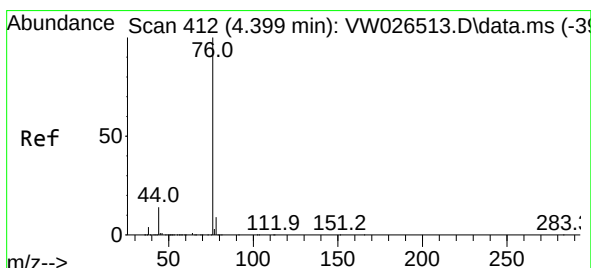
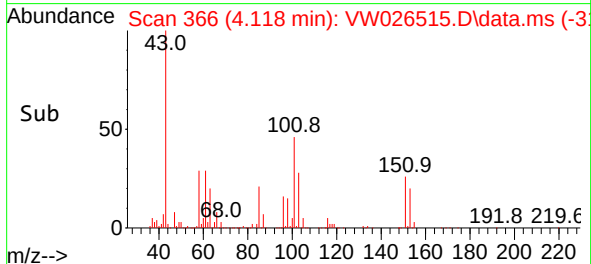
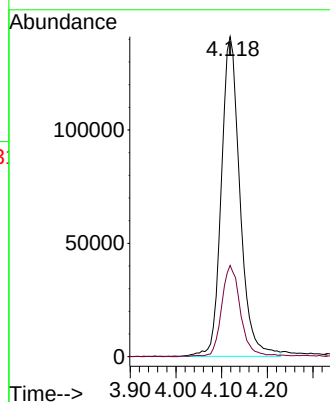
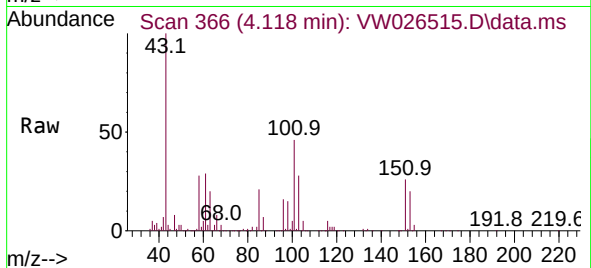




#13
Acetone
Concen: 186.368 ug/L
RT: 4.118 min Scan# 301
Delta R.T. -0.000 min
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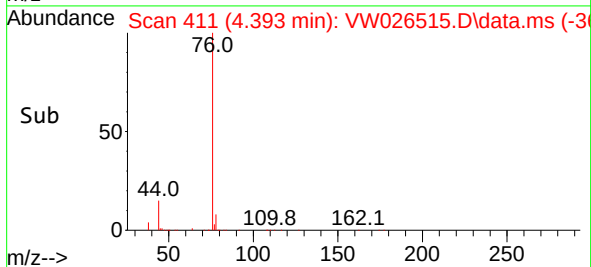
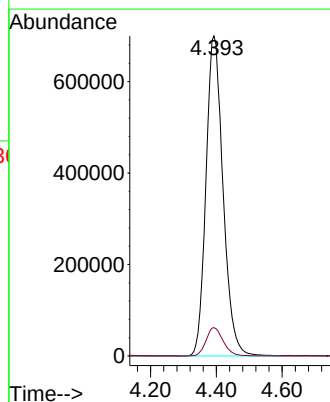
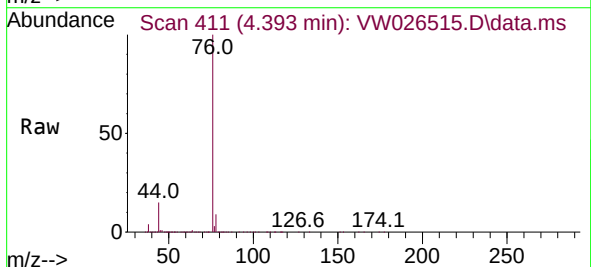
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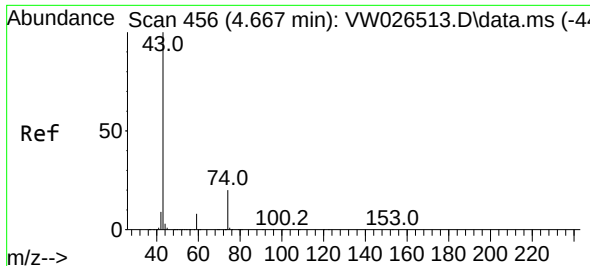
Tgt Ion: 43 Resp: 400821
Ion Ratio Lower Upper
43 100
58 28.1 0.0 59.6



#14
Carbon disulfide
Concen: 102.404 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 2525275
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

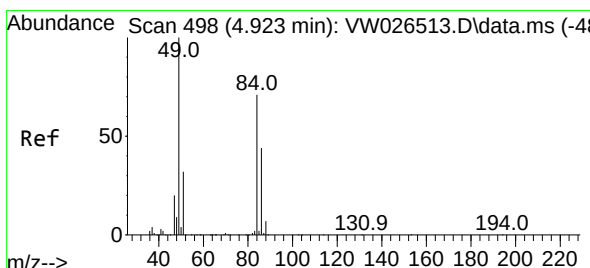
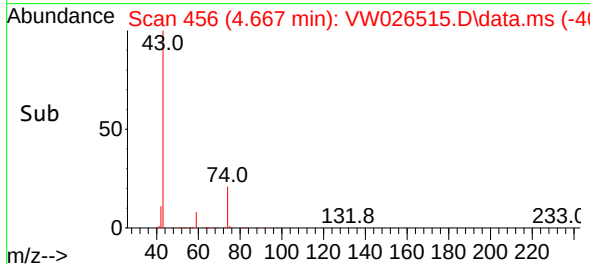
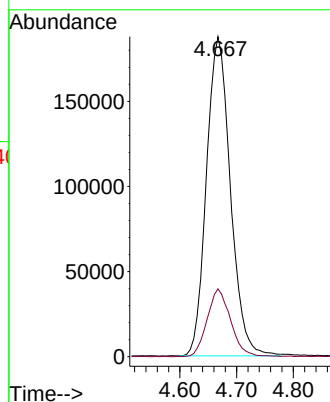
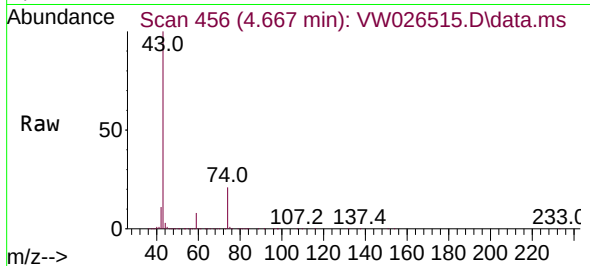




#15
Methyl Acetate
Concen: 100.579 ug/L
RT: 4.667 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

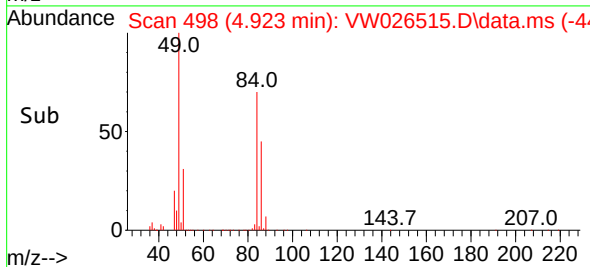
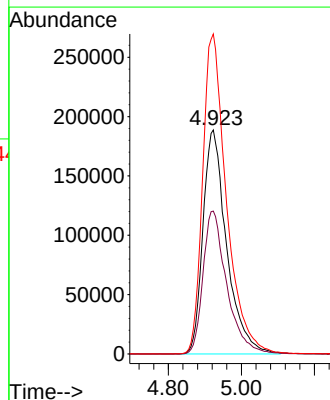
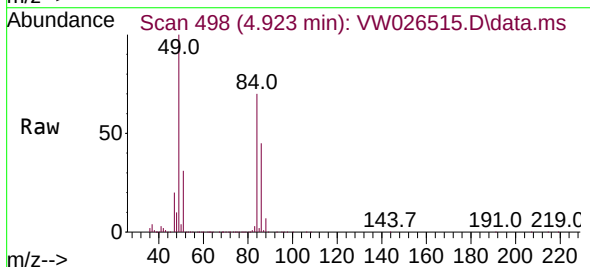
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

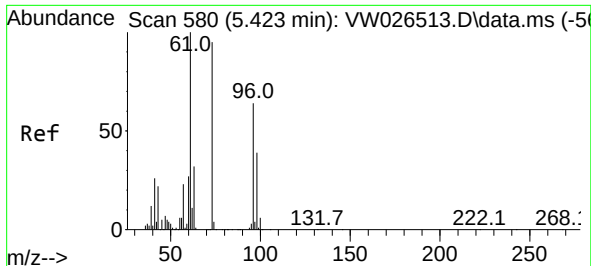
Tgt Ion: 43 Resp: 550977
Ion Ratio Lower Upper
43 100
74 20.7 16.6 24.8



#16
Methylene chloride
Concen: 78.895 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 84 Resp: 847630
Ion Ratio Lower Upper
84 100
86 63.8 43.3 80.5
49 142.8 99.3 184.3

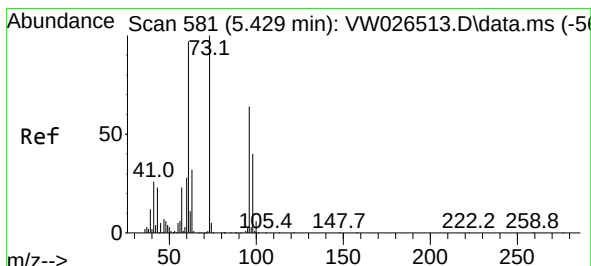
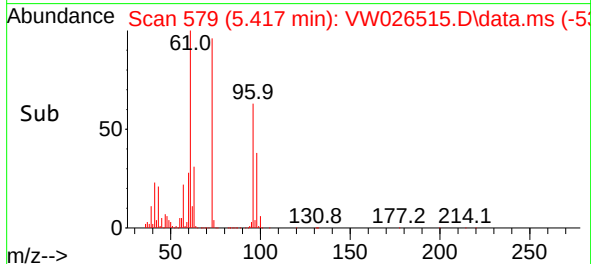
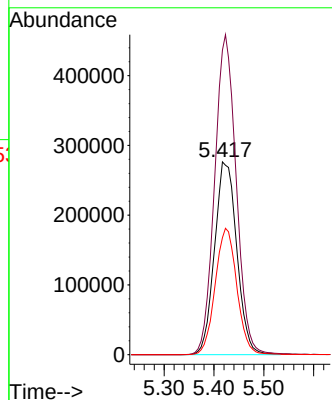
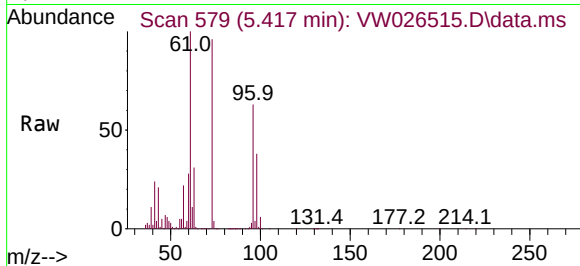




#17
trans-1,2-Dichloroethene
Concen: 100.207 ug/L
RT: 5.417 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

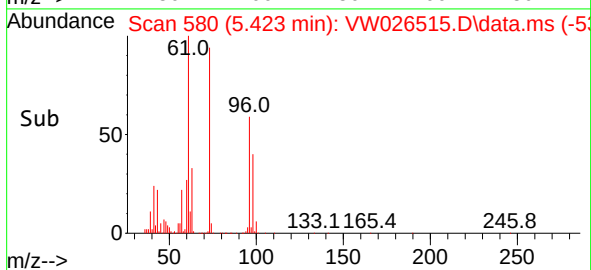
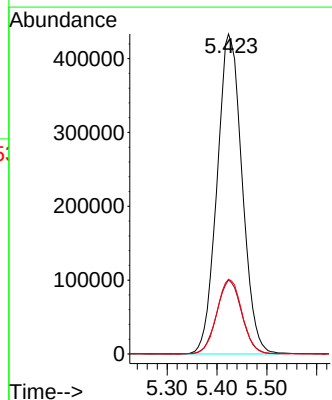
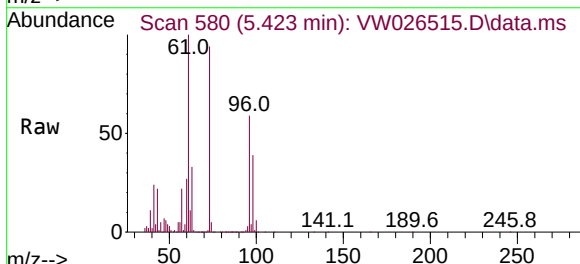
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

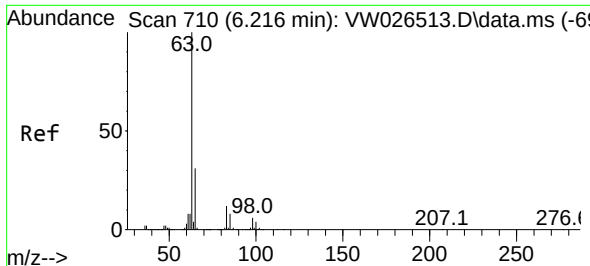
Tgt Ion: 96 Resp: 859316
Ion Ratio Lower Upper
96 100
61 157.8 109.7 203.7
98 60.6 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 102.817 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 73 Resp: 1511141
Ion Ratio Lower Upper
73 100
43 22.9 17.8 26.8
57 23.5 18.8 28.2





#19

1,1-Dichloroethane

Concen: 99.862 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD100402

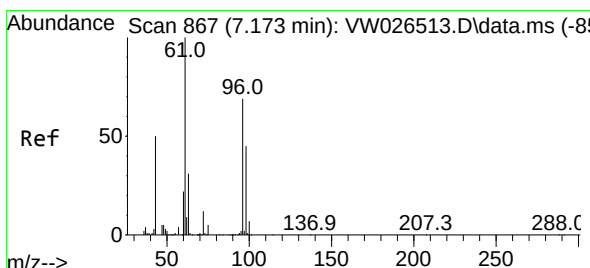
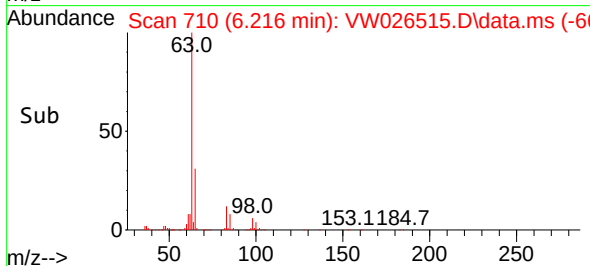
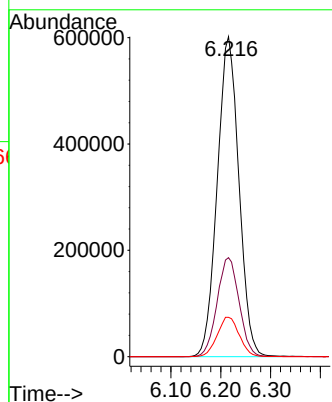
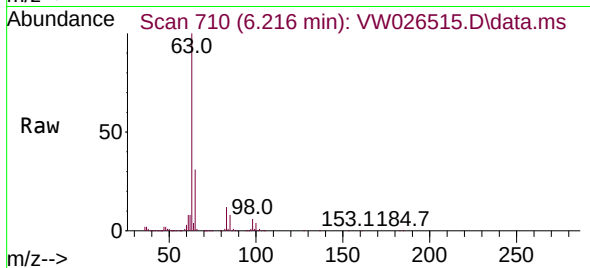
Tgt Ion: 63 Resp: 1811230

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.4

83 12.3 8.6 16.0



#20

cis-1,2-Dichloroethene

Concen: 102.051 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

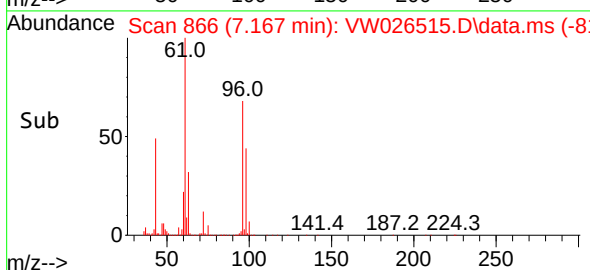
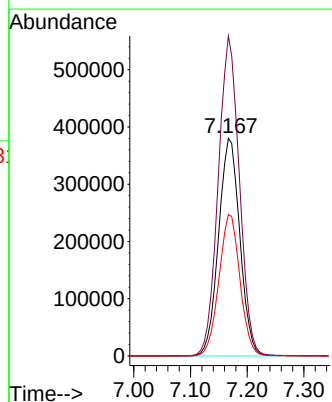
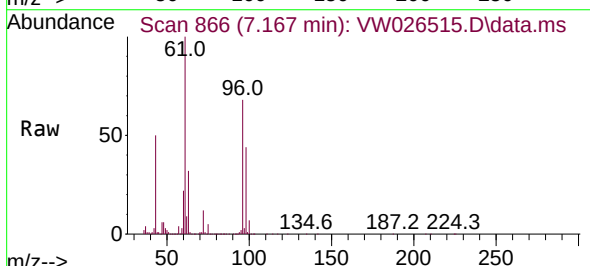
Tgt Ion: 96 Resp: 990077

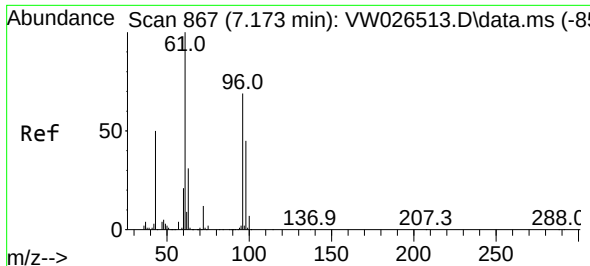
Ion Ratio Lower Upper

96 100

61 147.1 101.9 189.3

98 65.0 45.9 85.3

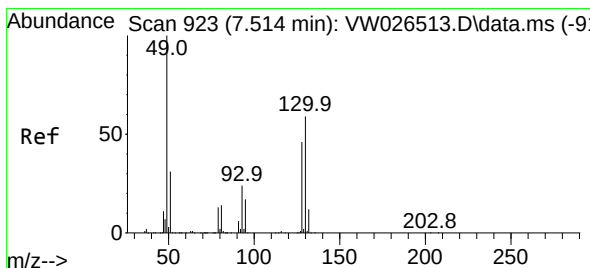
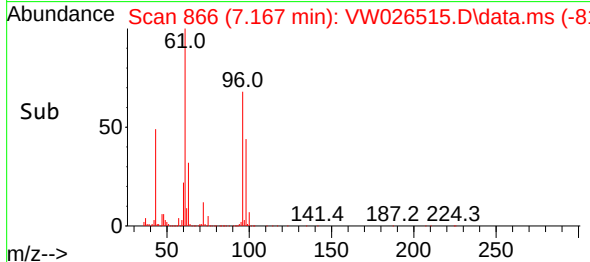
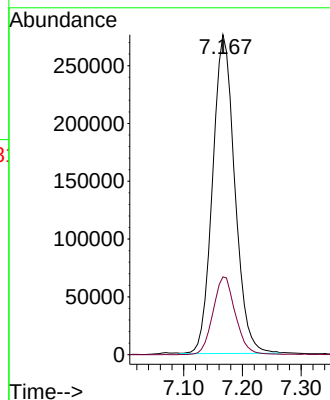
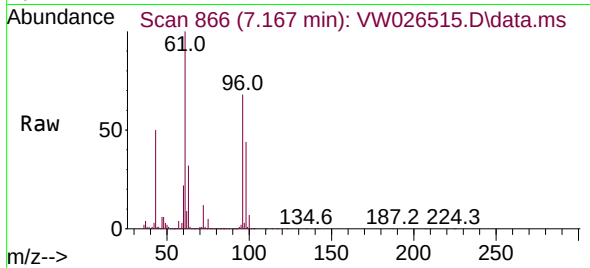




#22
2-Butanone
Concen: 189.896 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

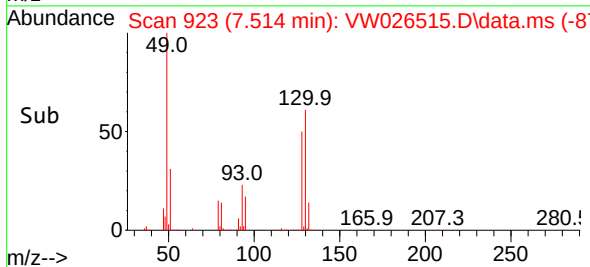
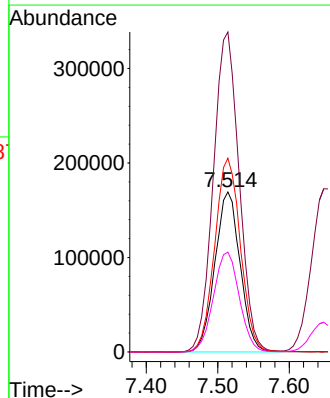
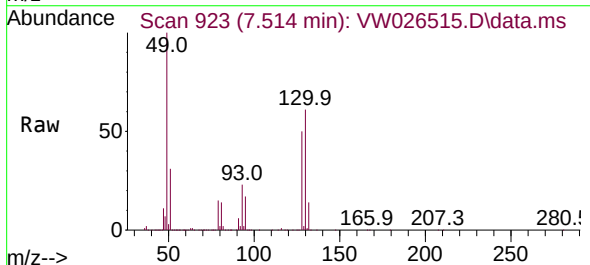
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

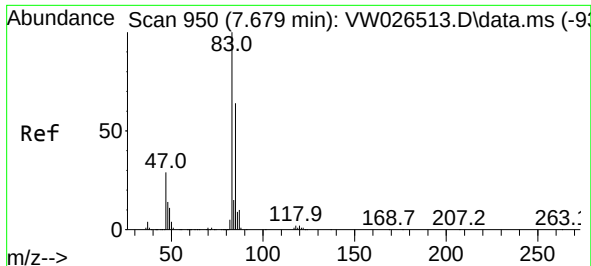
Tgt Ion: 43 Resp: 724169
Ion Ratio Lower Upper
43 100
72 24.6 12.0 36.1



#23
Bromochloromethane
Concen: 101.047 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 128 Resp: 414554
Ion Ratio Lower Upper
128 100
49 200.1 152.2 282.7
130 121.1 89.2 165.8
51 62.4 54.5 81.7





#25

Chloroform

Concen: 99.876 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

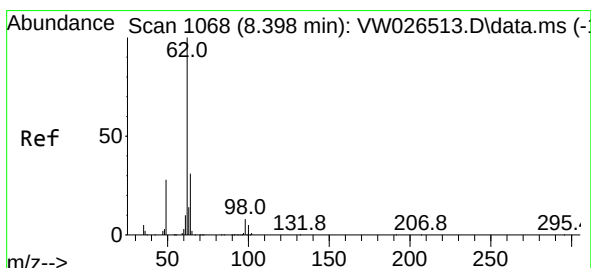
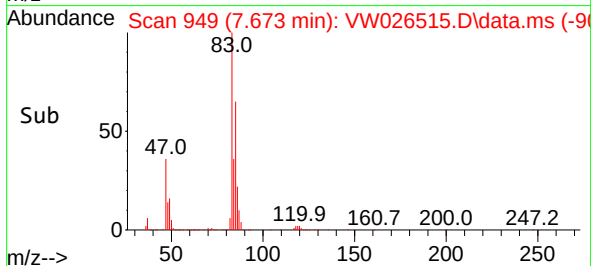
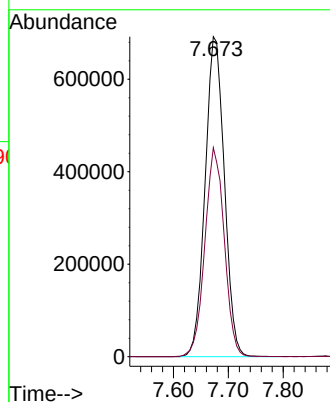
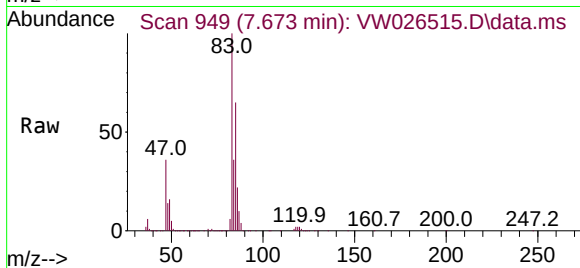
VSTD100402

Tgt Ion: 83 Resp: 1686211

Ion Ratio Lower Upper

83 100

85 65.3 44.8 83.2



#27

1,2-Dichloroethane

Concen: 99.379 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW026515.D

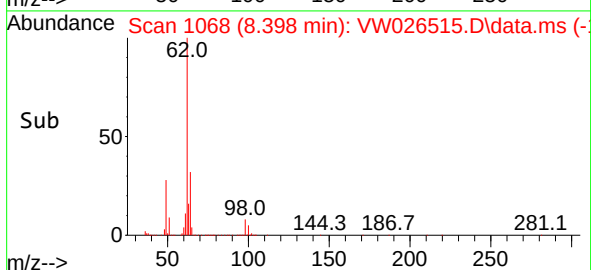
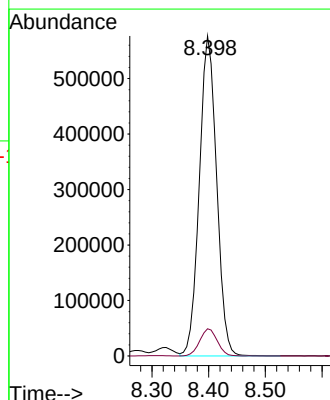
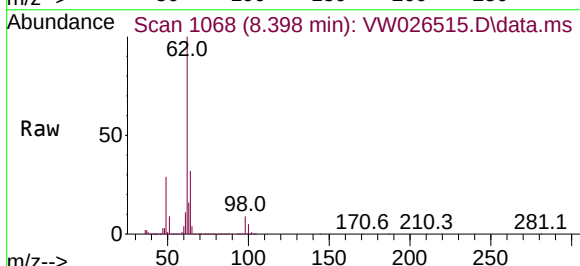
Acq: 03 Jul 2023 17:55

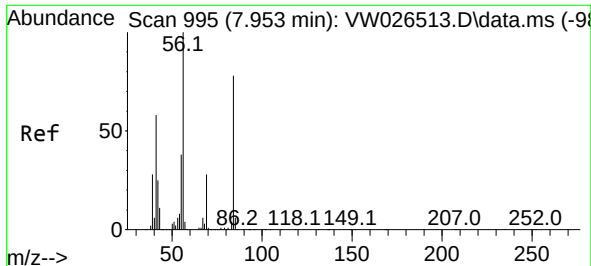
Tgt Ion: 62 Resp: 1222268

Ion Ratio Lower Upper

62 100

98 8.5 6.8 10.2



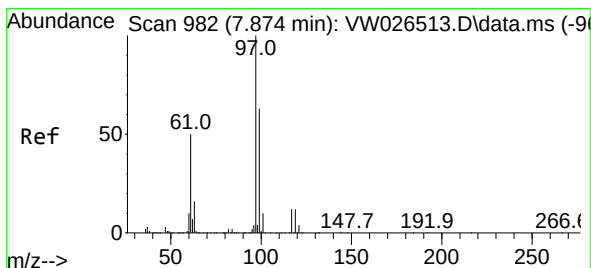
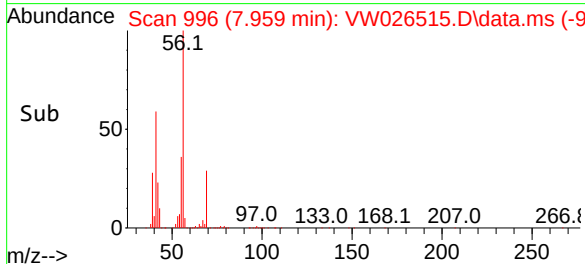
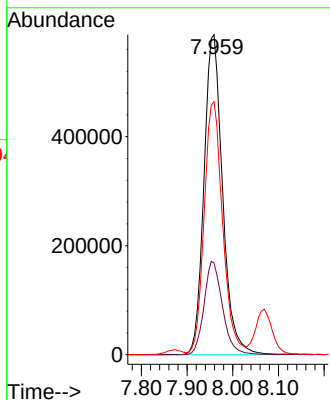
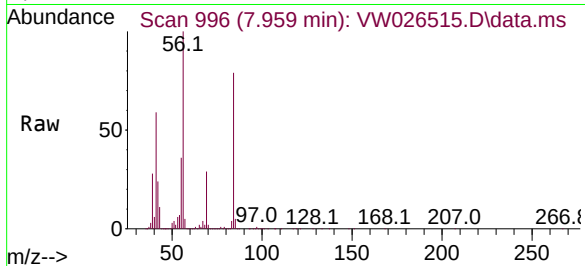


#29
Cyclohexane
Concen: 104.117 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

Tgt Ion: 56 Resp: 1656287

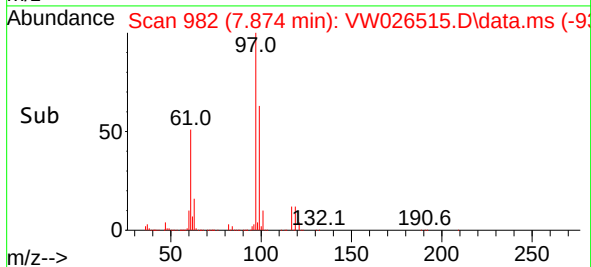
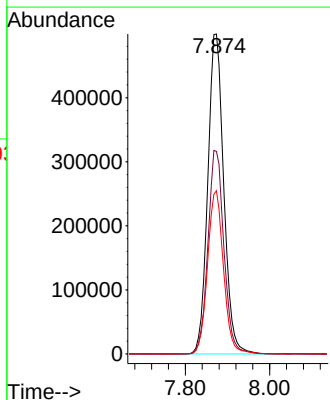
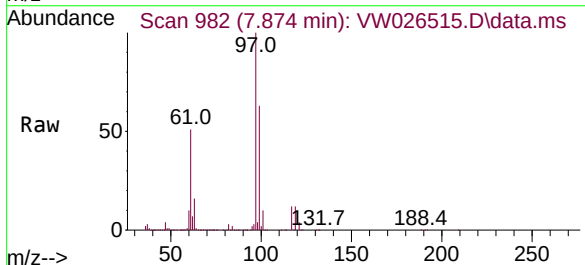
Ion	Ratio	Lower	Upper
56	100		
69	28.9	22.9	34.3
84	78.8	62.5	93.7

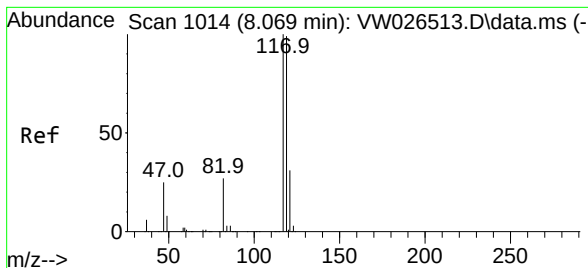


#30
1,1,1-Trichloroethane
Concen: 104.430 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 97 Resp: 1314987

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.2	78.2
61	51.0	40.2	60.2





#31

Carbon tetrachloride

Concen: 105.611 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

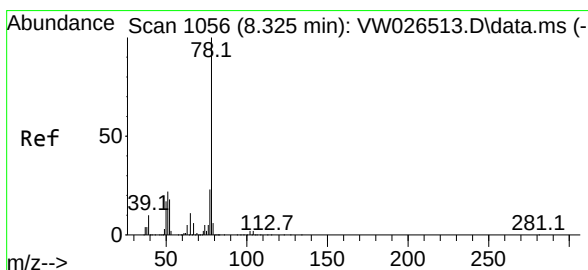
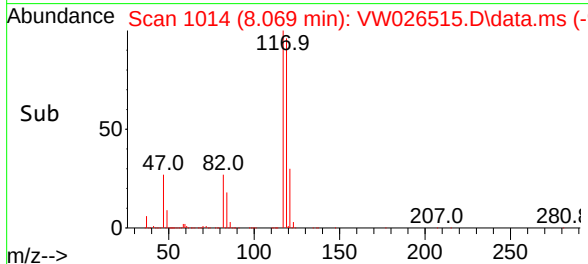
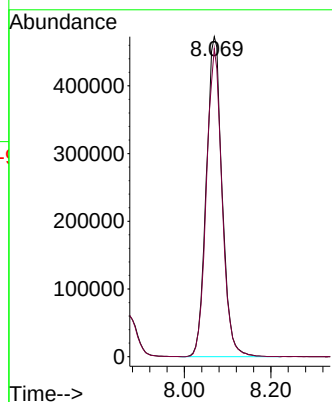
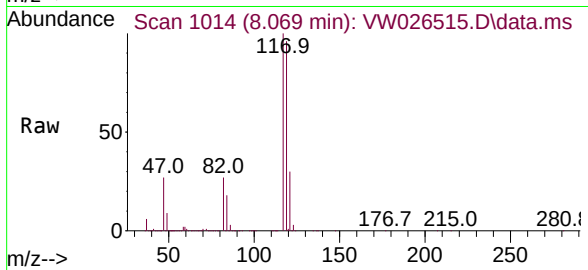
VSTD100402

Tgt Ion:117 Resp: 1195628

Ion Ratio Lower Upper

117 100

119 95.1 76.3 114.5



#33

Benzene

Concen: 100.687 ug/L

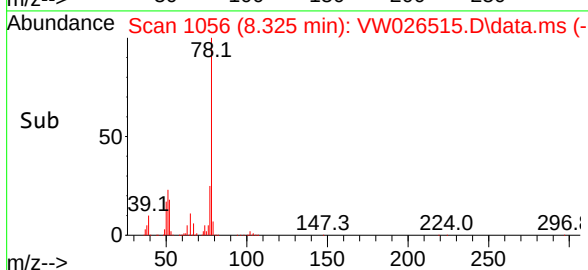
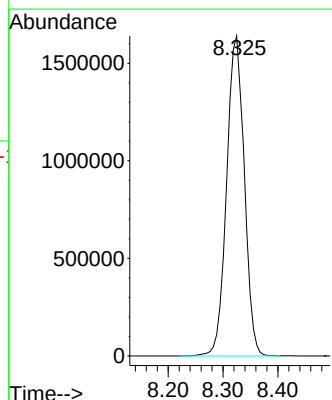
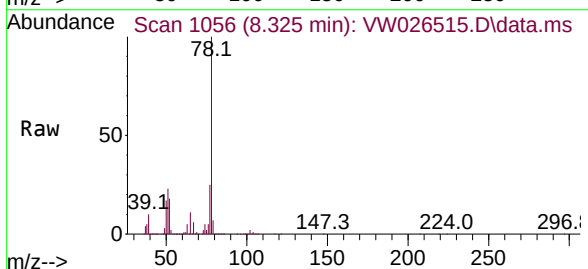
RT: 8.325 min Scan# 1056

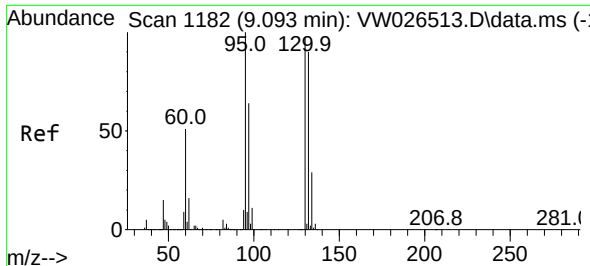
Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Tgt Ion: 78 Resp: 3679117





#34

Trichloroethene

Concen: 101.927 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD100402

Tgt Ion: 95 Resp: 954820

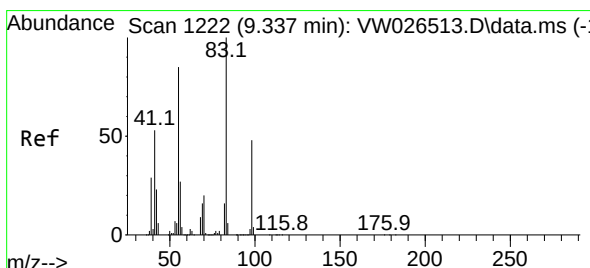
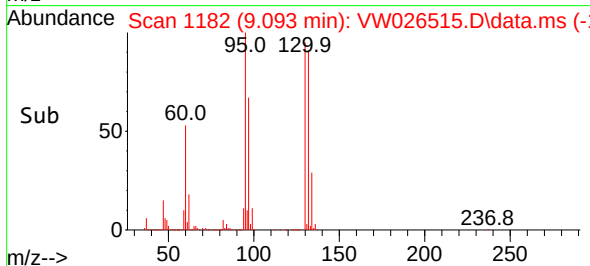
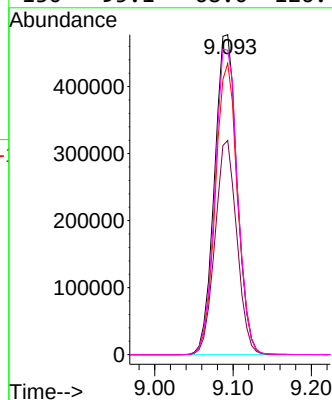
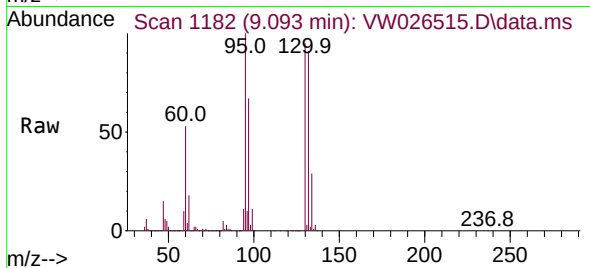
Ion Ratio Lower Upper

95 100

97 67.0 45.1 83.7

132 91.0 63.2 117.4

130 95.1 68.0 126.4



#35

Methylcyclohexane

Concen: 101.198 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

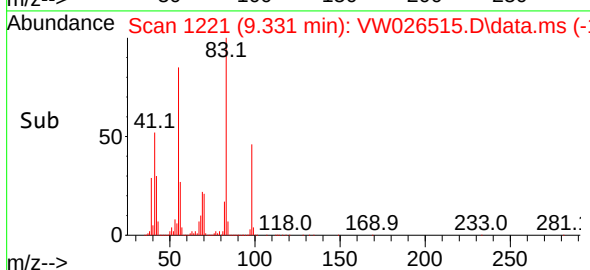
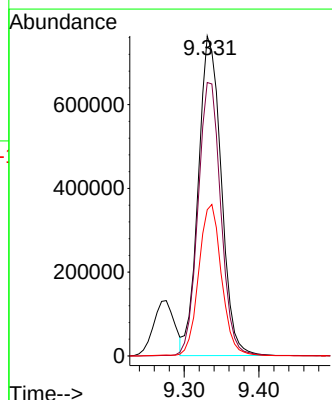
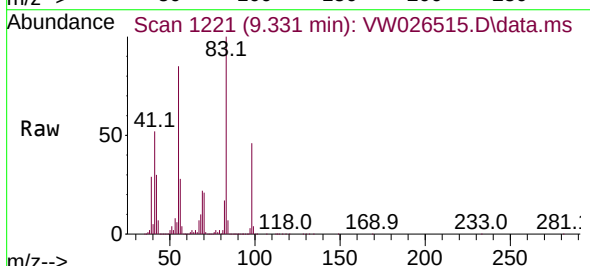
Tgt Ion: 83 Resp: 1620802

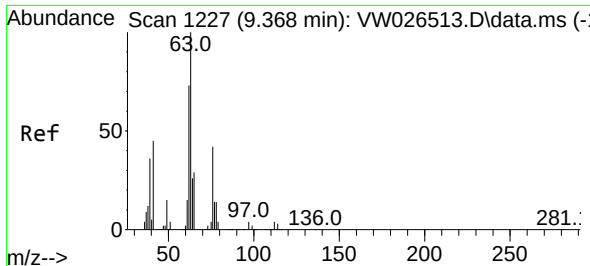
Ion Ratio Lower Upper

83 100

55 85.1 67.5 101.3

98 47.1 37.3 55.9





#37

1,2-Dichloropropane

Concen: 101.149 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

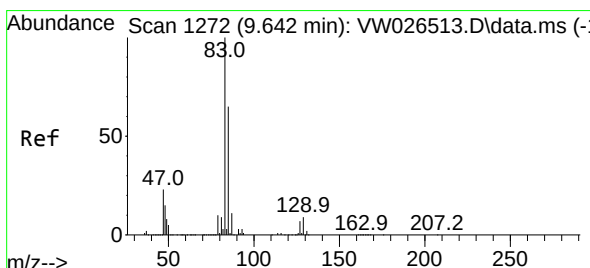
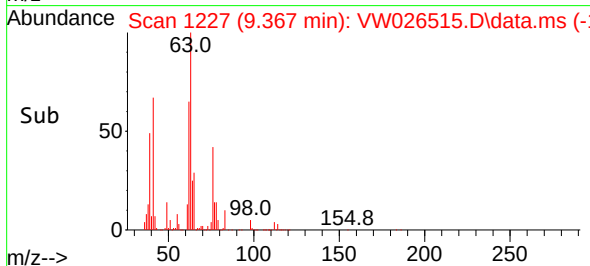
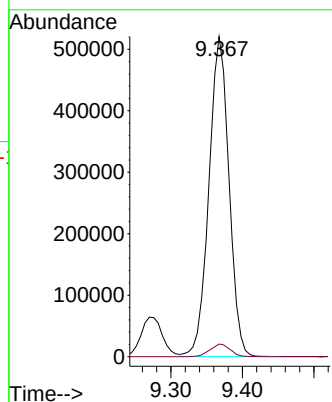
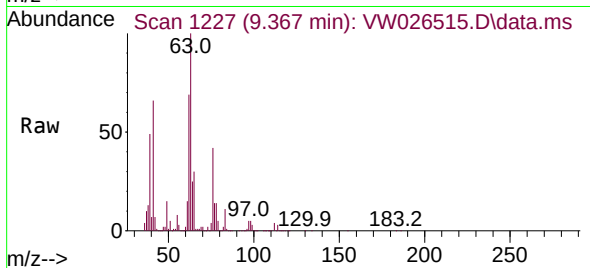
VSTD100402

Tgt Ion: 63 Resp: 1013654

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 105.430 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

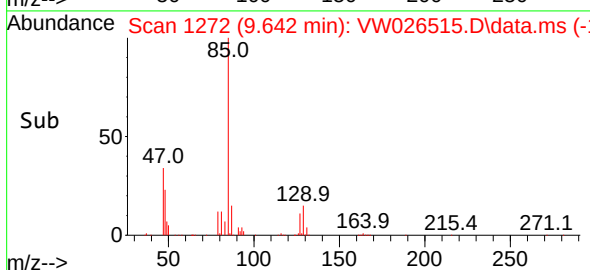
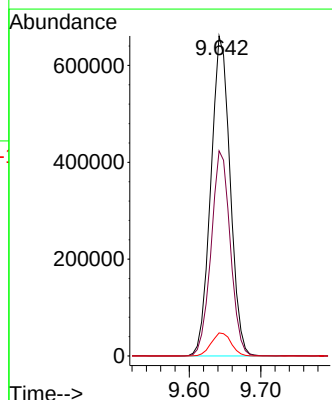
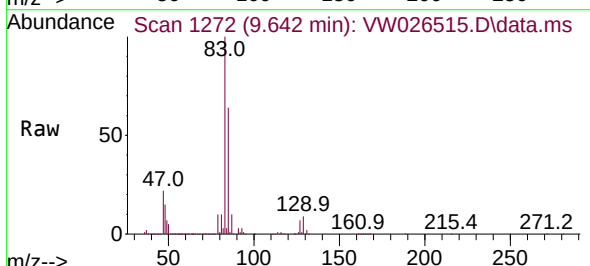
Tgt Ion: 83 Resp: 1235372

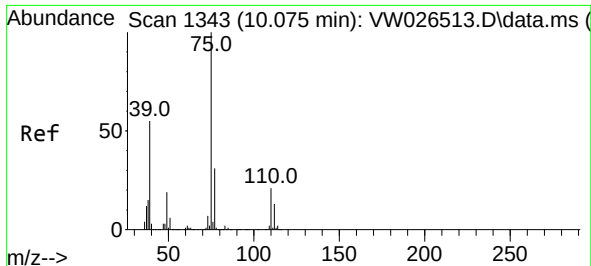
Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.2

127 7.2 5.2 7.8

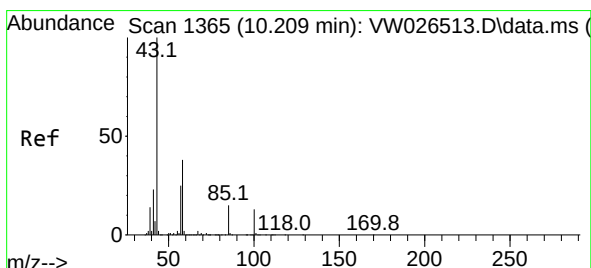
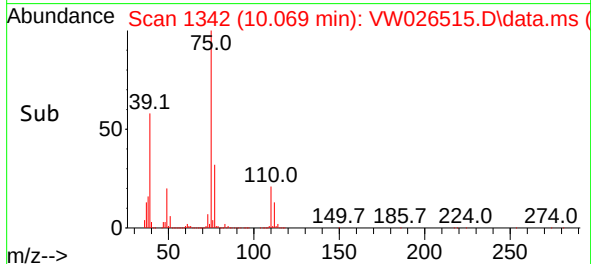
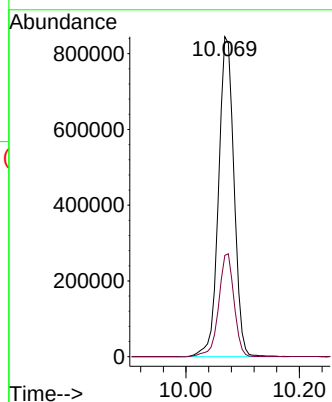
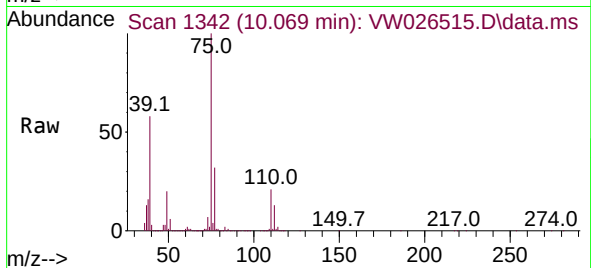




#39
cis-1,3-Dichloropropene
Concen: 108.907 ug/L
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

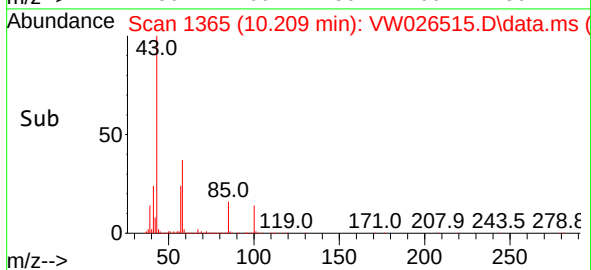
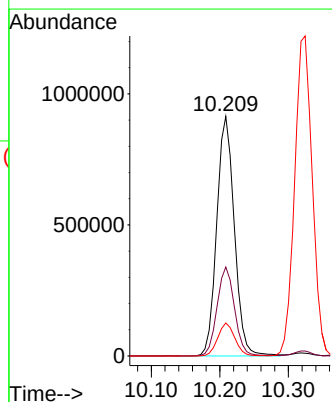
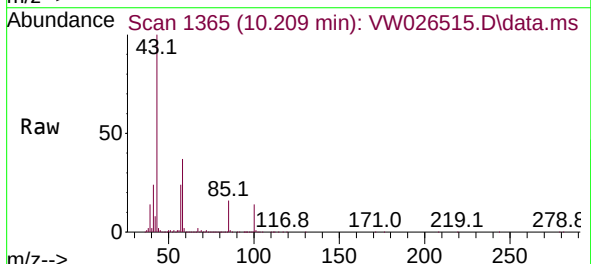
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

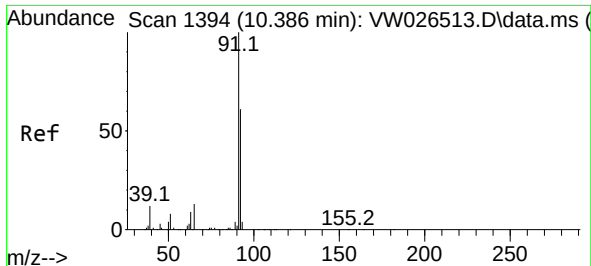
Tgt Ion: 75 Resp: 1595715
Ion Ratio Lower Upper
75 100
77 31.7 21.6 40.0



#40
4-Methyl-2-pentanone
Concen: 214.544 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 43 Resp: 1624961
Ion Ratio Lower Upper
43 100
58 36.9 29.8 44.8
100 13.4 10.6 15.8

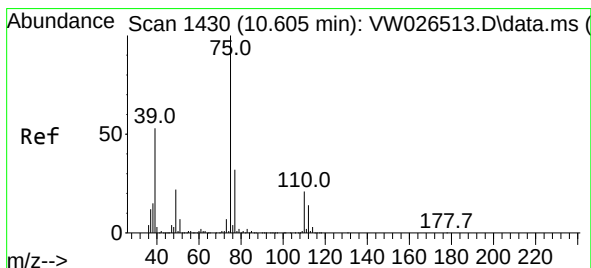
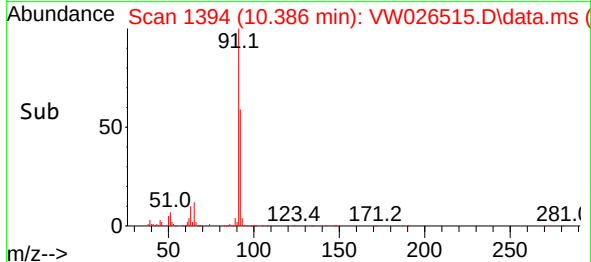
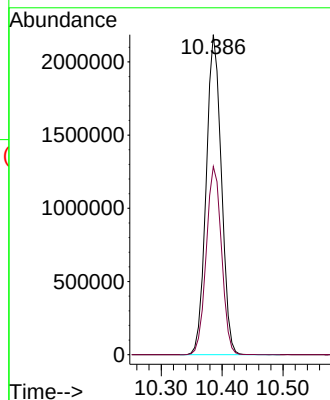
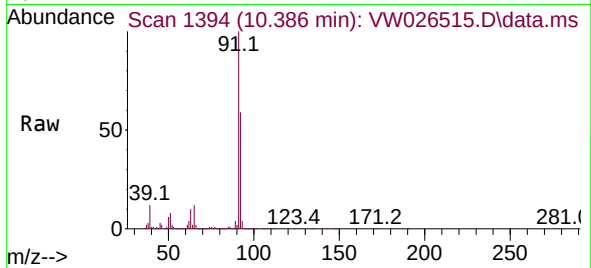




#42
Toluene
Concen: 101.374 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

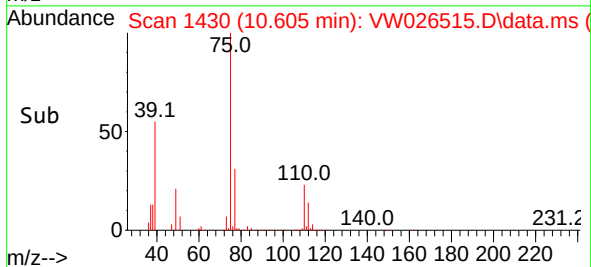
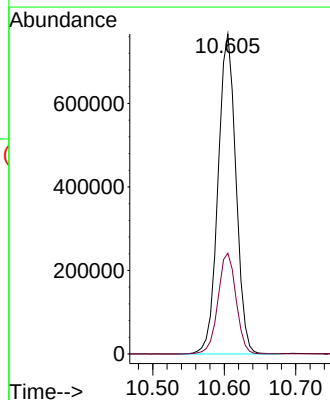
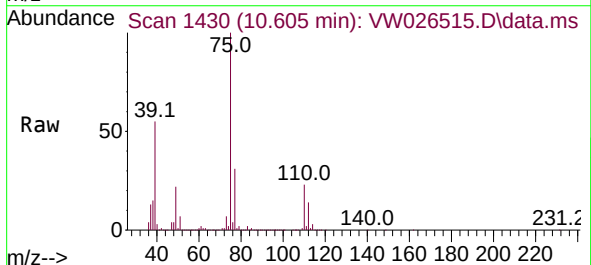
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

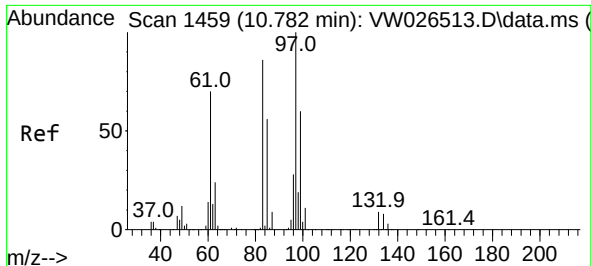
Tgt Ion: 91 Resp: 3776269
Ion Ratio Lower Upper
91 100
92 58.8 42.4 78.8



#44
trans-1,3-Dichloropropene
Concen: 107.771 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 75 Resp: 1328301
Ion Ratio Lower Upper
75 100
77 31.5 22.6 42.0



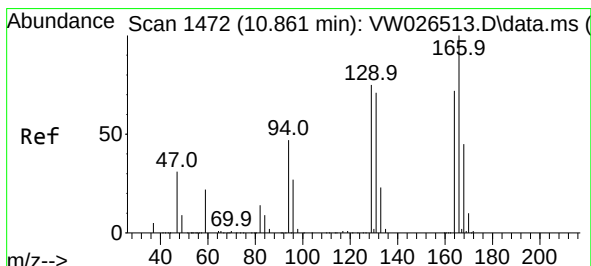
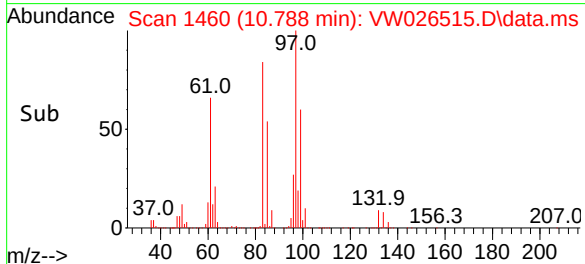
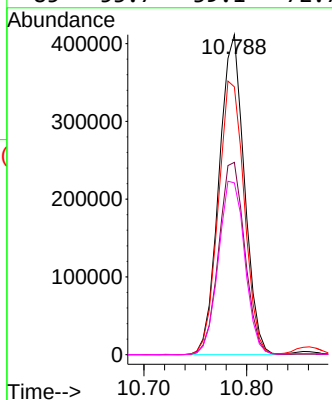
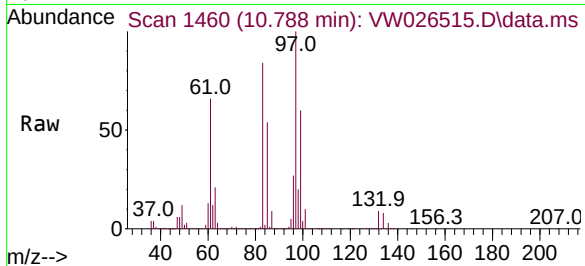


#45
1,1,2-Trichloroethane
Concen: 101.070 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

Tgt Ion: 97 Resp: 702679

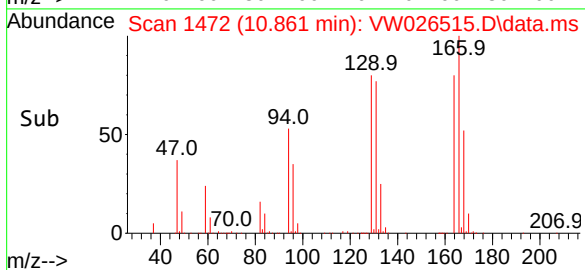
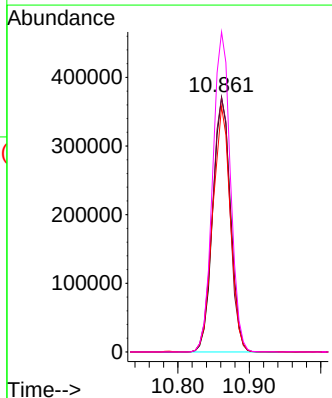
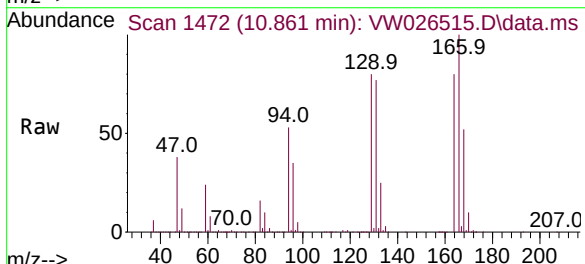
Ion	Ratio	Lower	Upper
97	100		
99	60.1	42.1	78.1
83	83.7	59.9	111.3
85	53.7	39.1	72.7

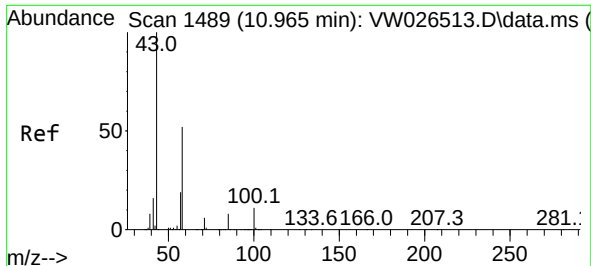


#46
Tetrachloroethene
Concen: 101.034 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 164 Resp: 637262

Ion	Ratio	Lower	Upper
164	100		
129	99.9	73.0	135.6
131	96.4	69.2	128.6
166	125.6	97.8	181.6



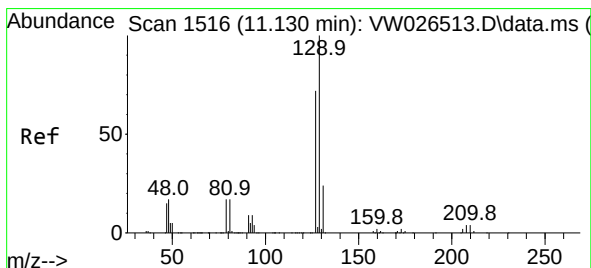
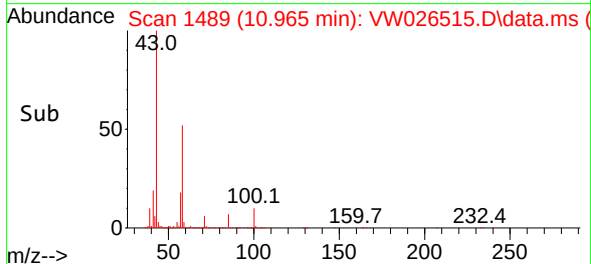
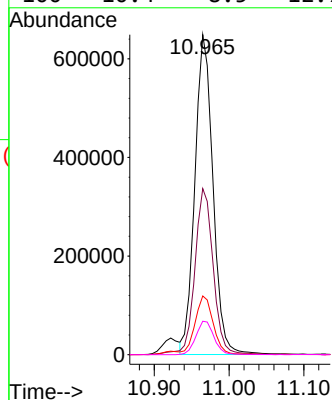
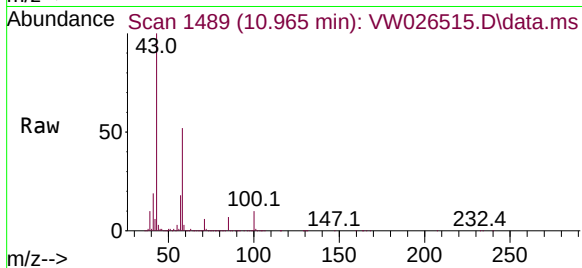


#48
2-Hexanone
Concen: 213.648 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

Tgt Ion: 43 Resp: 1092418

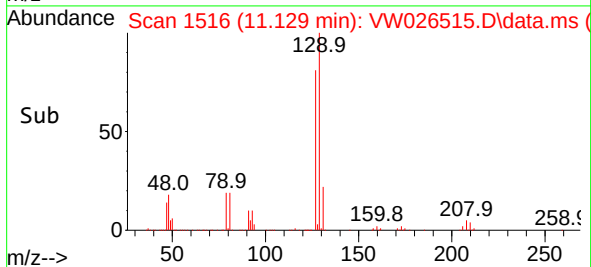
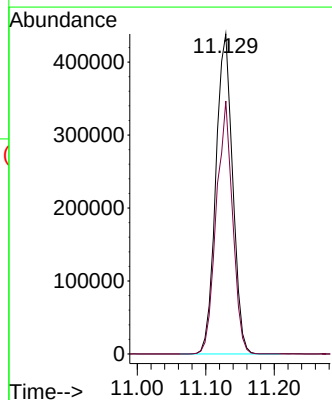
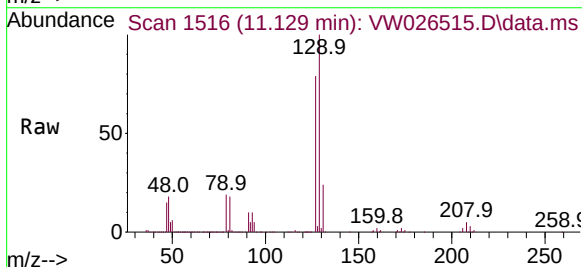
Ion	Ratio	Lower	Upper
43	100		
58	52.7	39.9	59.9
57	18.4	14.1	21.1
100	10.4	8.5	12.7

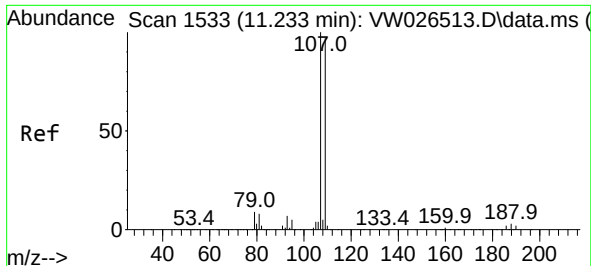


#49
Dibromochloromethane
Concen: 104.556 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion: 129 Resp: 745538

Ion	Ratio	Lower	Upper
129	100		
127	79.1	50.0	93.0

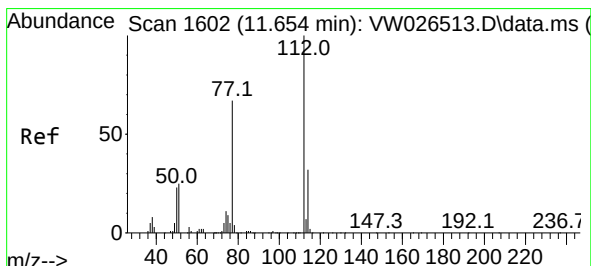
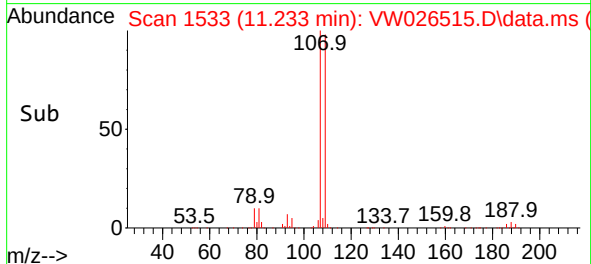
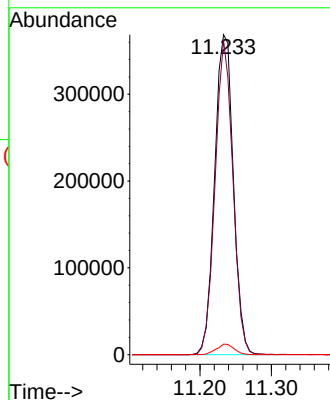
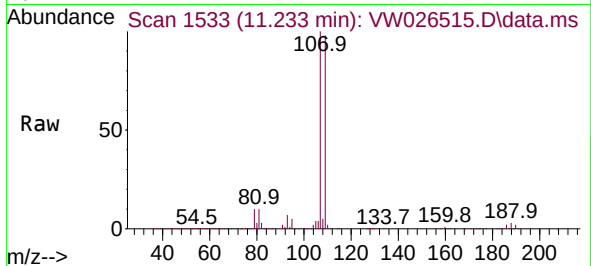




#50
1,2-Dibromoethane
Concen: 102.753 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

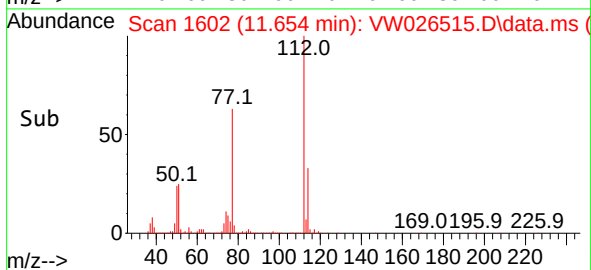
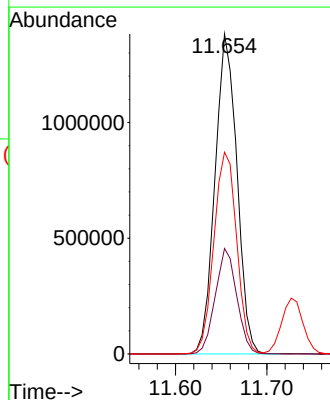
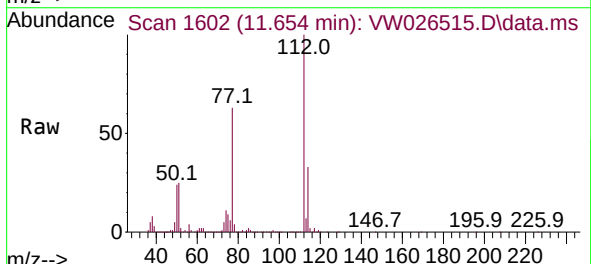
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

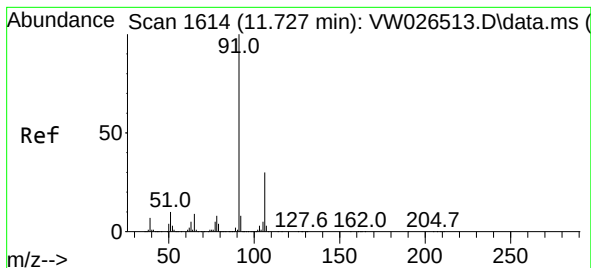
Tgt Ion:107 Resp: 670094
Ion Ratio Lower Upper
107 100
109 98.2 67.7 125.7
188 3.3 2.7 4.1



#51
Chlorobenzene
Concen: 99.511 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion:112 Resp: 2308773
Ion Ratio Lower Upper
112 100
114 33.0 22.2 41.2
77 63.1 53.4 80.2

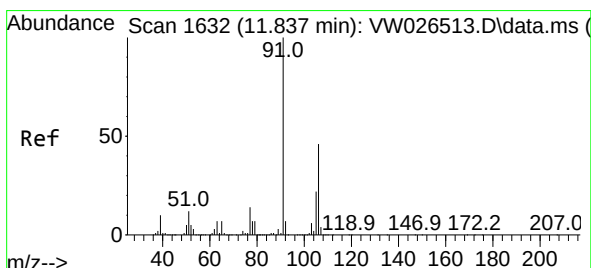
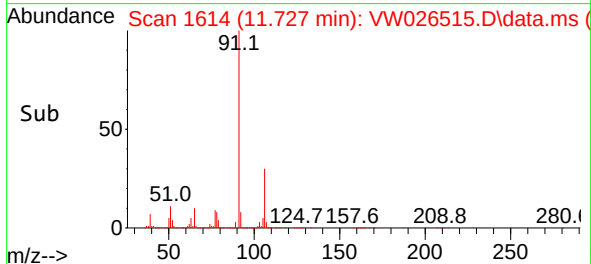
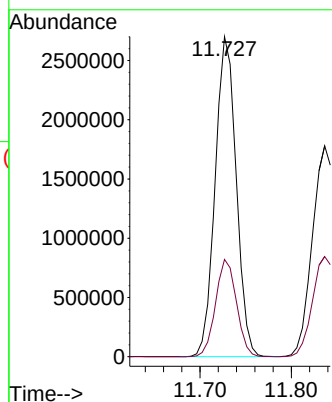
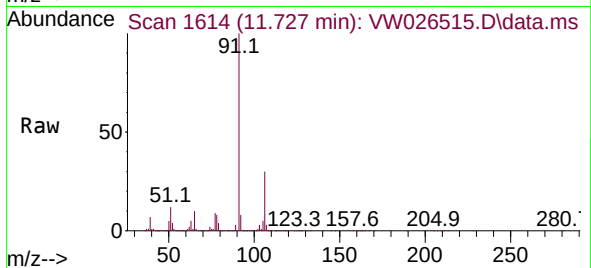




#52
Ethylbenzene
Concen: 102.621 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

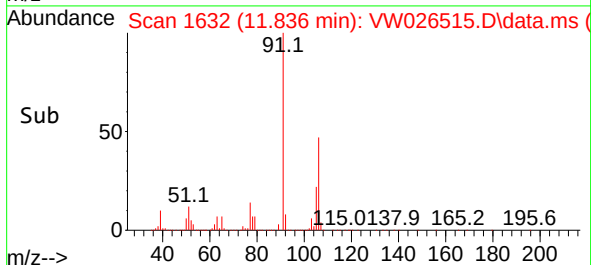
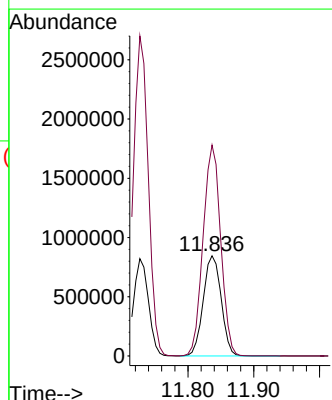
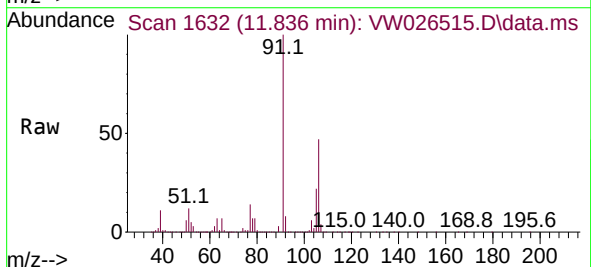
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

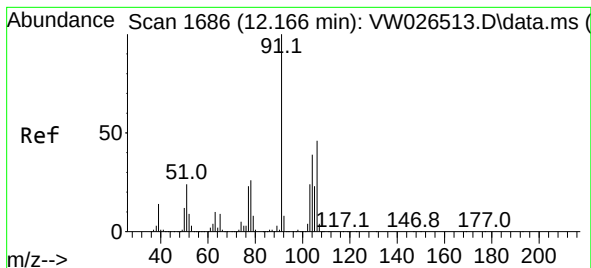
Tgt Ion: 91 Resp: 4324937
Ion Ratio Lower Upper
91 100
106 30.4 20.7 38.5



#53
m,p-Xylene
Concen: 102.971 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion:106 Resp: 1602032
Ion Ratio Lower Upper
106 100
91 210.5 152.7 283.7

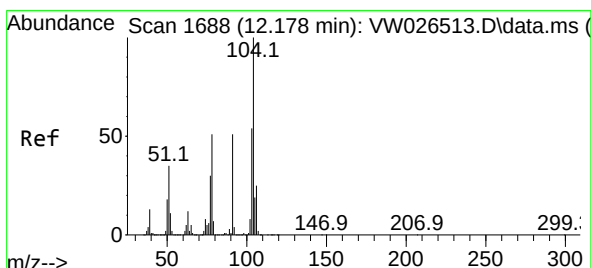
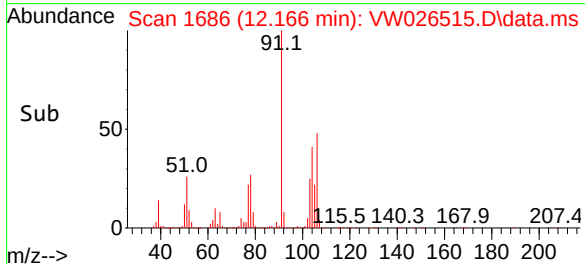
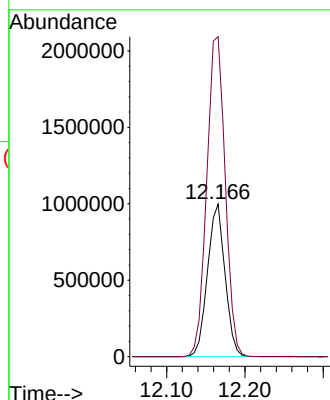
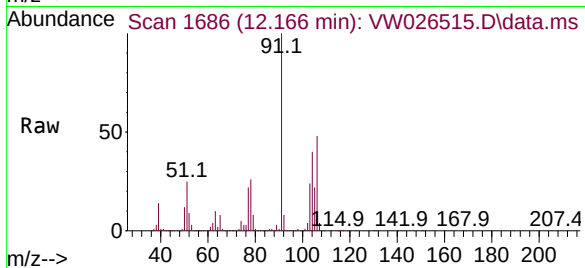




#54
o-Xylene
Concen: 104.150 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

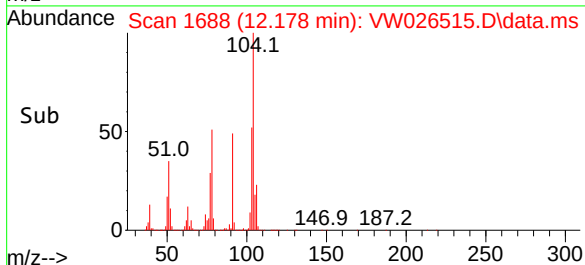
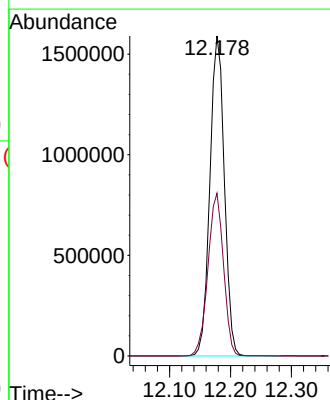
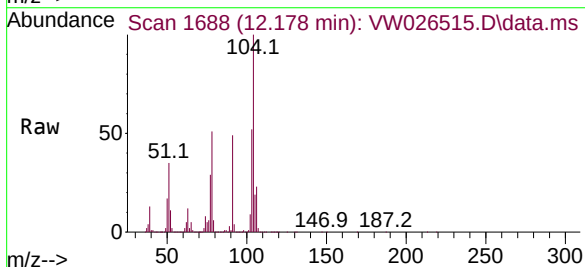
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

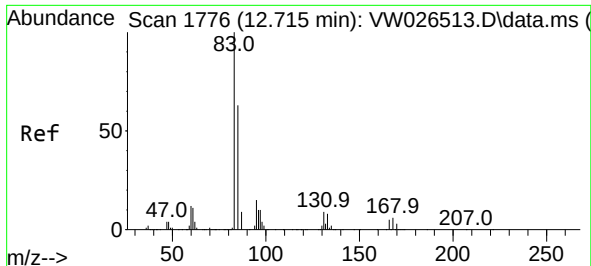
Tgt Ion:106 Resp: 1545955
Ion Ratio Lower Upper
106 100
91 209.9 151.8 282.0



#55
Styrene
Concen: 103.883 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion:104 Resp: 2626111
Ion Ratio Lower Upper
104 100
78 50.9 35.6 66.2





#57

1,1,2-Tetrachloroethane

Concen: 100.564 ug/L

RT: 12.714 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD100402

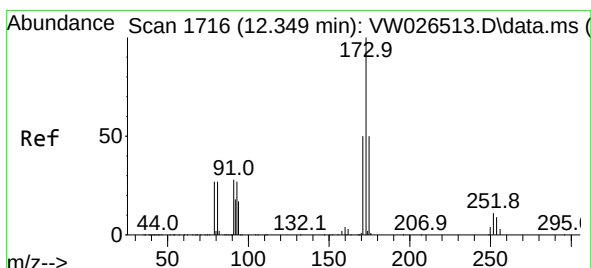
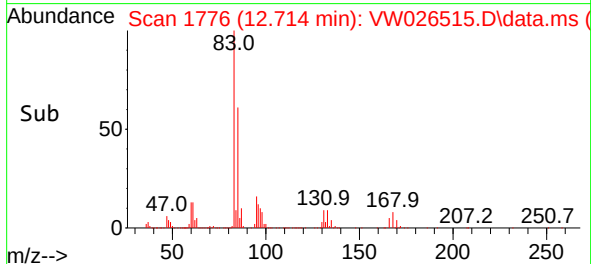
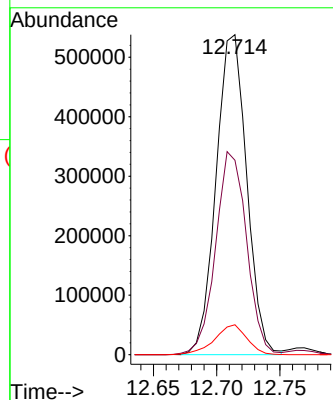
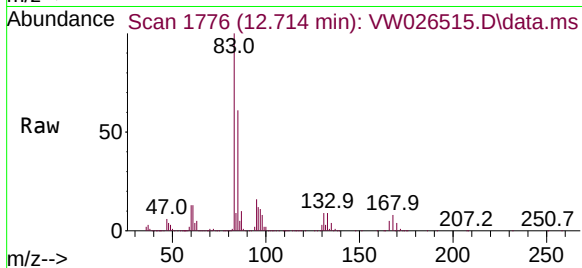
Tgt Ion: 83 Resp: 906939

Ion Ratio Lower Upper

83 100

85 60.8 44.4 82.5

131 9.3 7.2 10.8



#59

Bromoform

Concen: 107.398 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

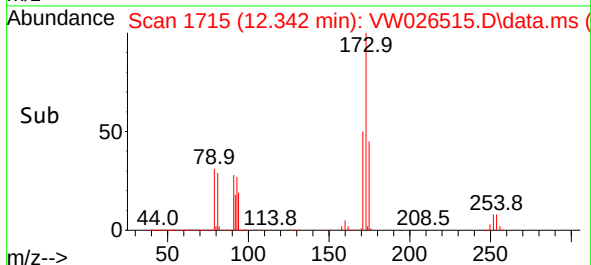
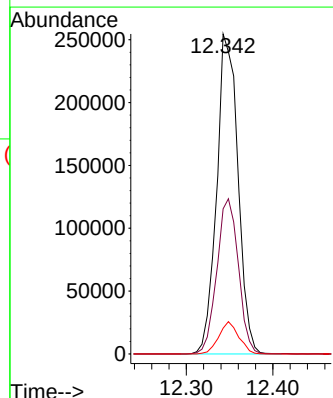
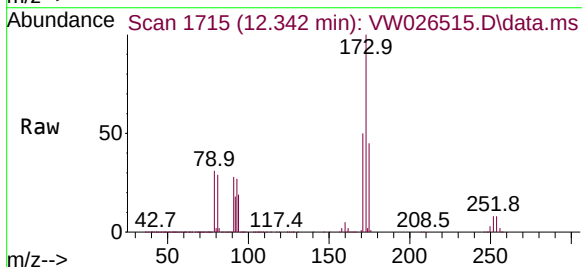
Tgt Ion:173 Resp: 434363

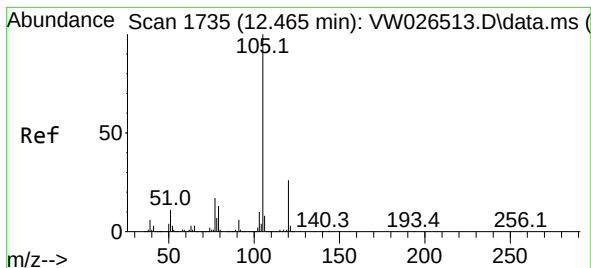
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

254 9.5 7.0 10.6





#60

Isopropylbenzene

Concen: 102.684 ug/L

RT: 12.464 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD100402

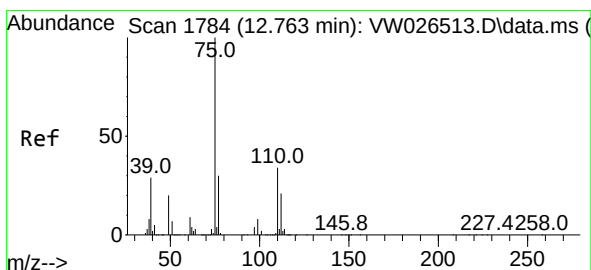
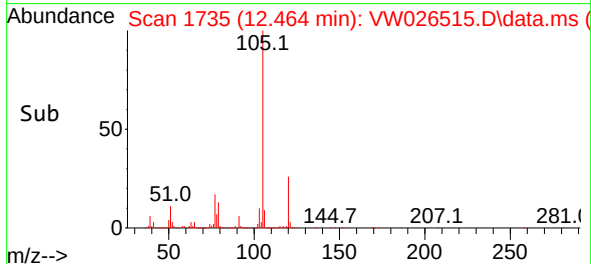
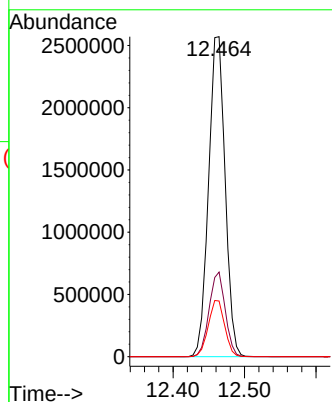
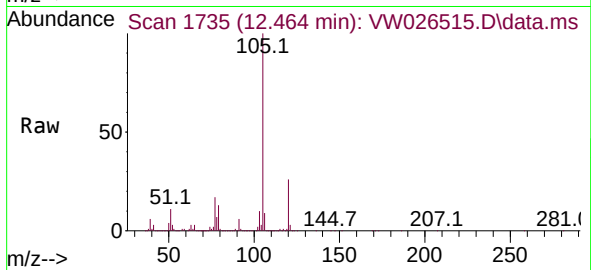
Tgt Ion:105 Resp: 4133881

Ion Ratio Lower Upper

105 100

120 25.8 20.3 30.5

77 17.4 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 100.017 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

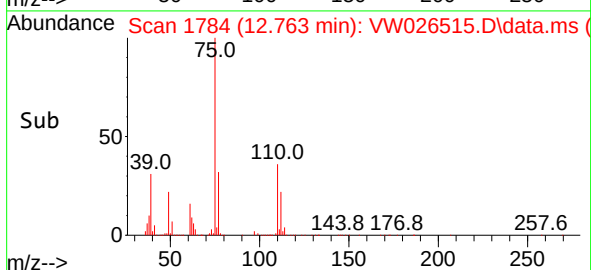
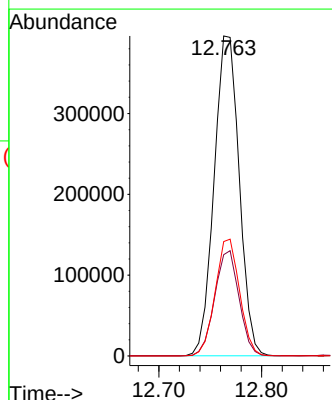
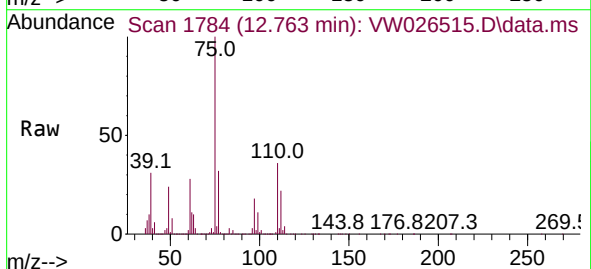
Tgt Ion: 75 Resp: 670506

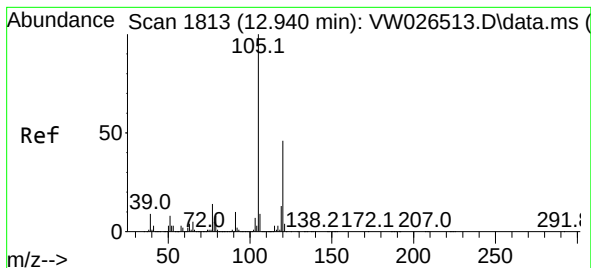
Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7

110 35.5 28.3 42.5

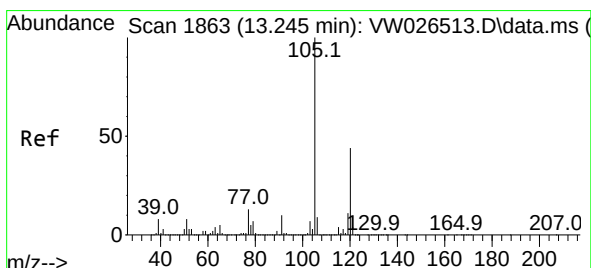
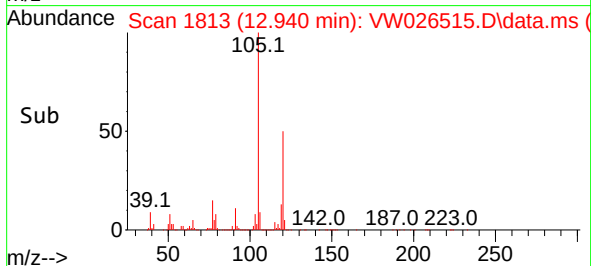
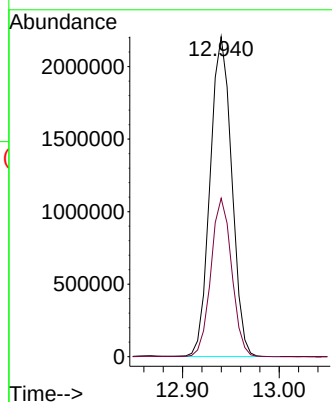
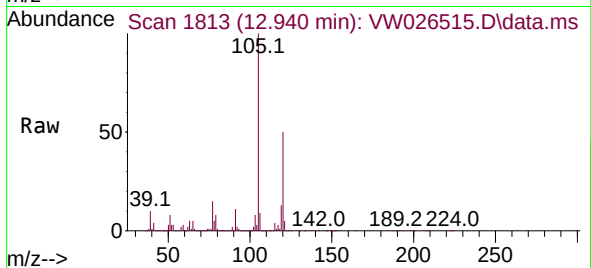




#62
1,3,5-Trimethylbenzene
Concen: 105.489 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

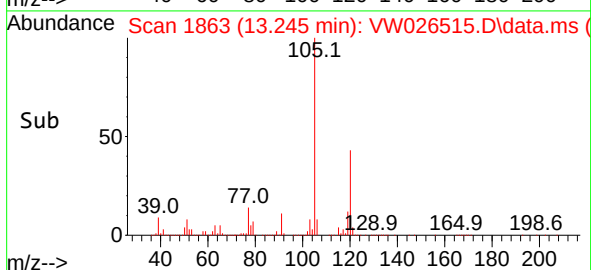
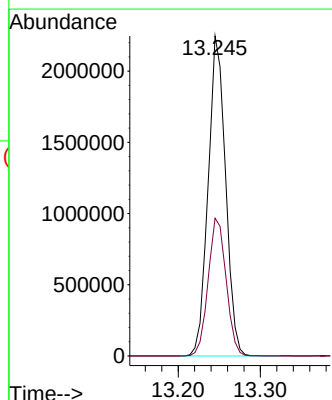
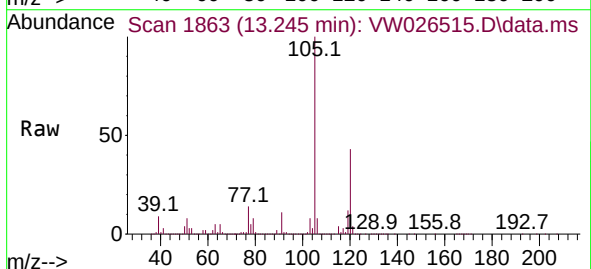
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

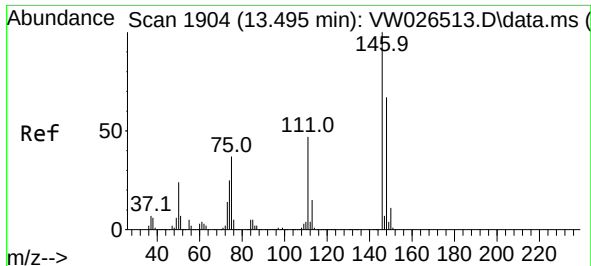
Tgt Ion:105 Resp: 3428597
Ion Ratio Lower Upper
105 100
120 47.5 38.0 57.0



#63
1,2,4-Trimethylbenzene
Concen: 105.540 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion:105 Resp: 3307778
Ion Ratio Lower Upper
105 100
120 44.4 35.5 53.3

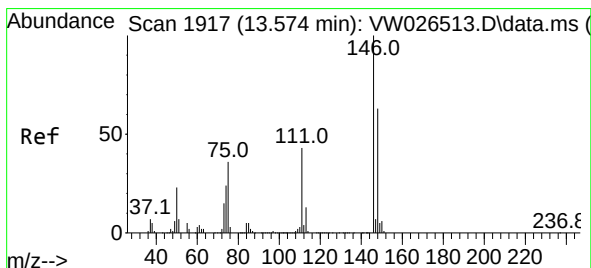
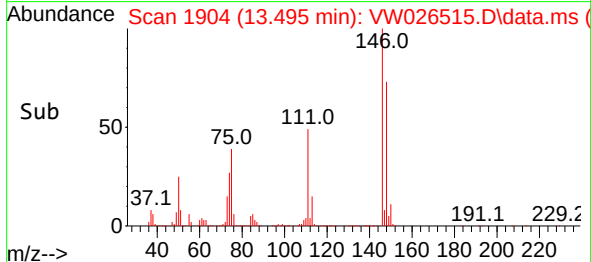
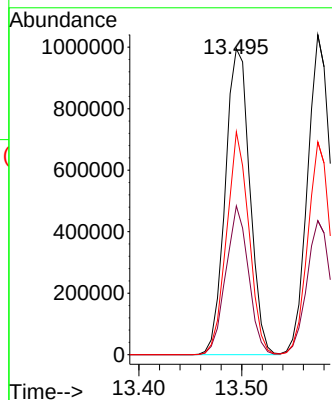
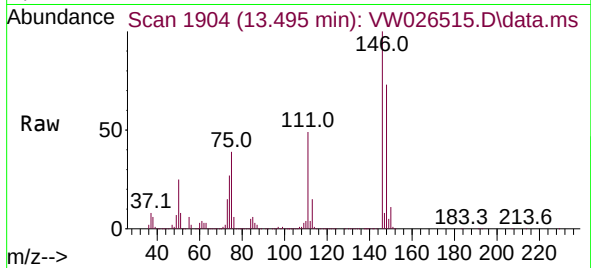




#64
1,3-Dichlorobenzene
Concen: 97.849 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

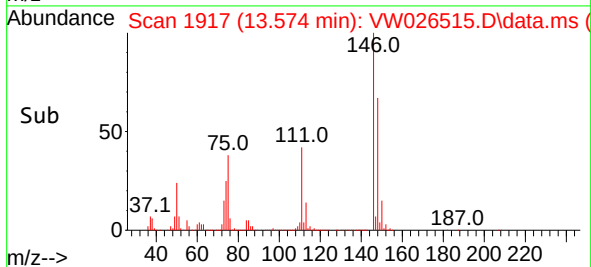
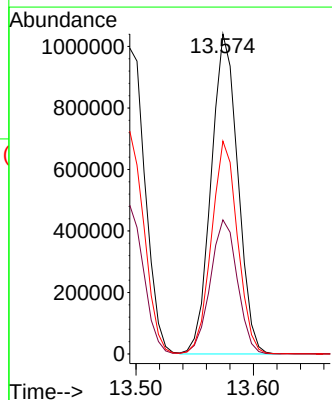
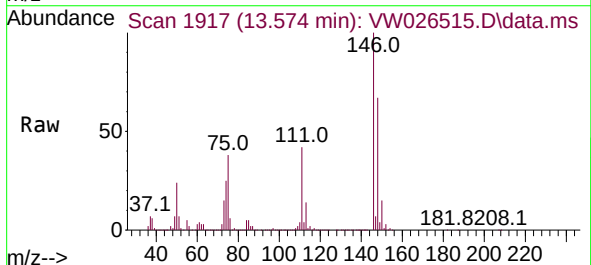
Instrument :
MSVOA_W
ClientSampleId :
VSTD100402

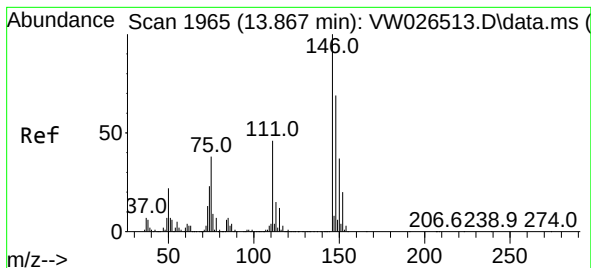
Tgt Ion:146 Resp: 1650051
Ion Ratio Lower Upper
146 100
111 48.6 32.7 60.7
148 72.8 47.0 87.2



#65
1,4-Dichlorobenzene
Concen: 97.095 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026515.D
Acq: 03 Jul 2023 17:55

Tgt Ion:146 Resp: 1644894
Ion Ratio Lower Upper
146 100
111 41.9 30.2 56.0
148 66.5 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 99.806 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD100402

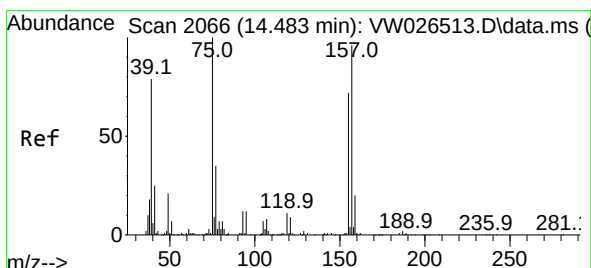
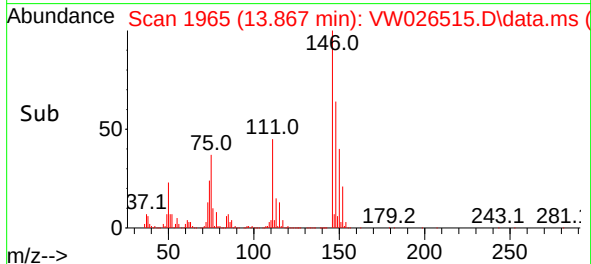
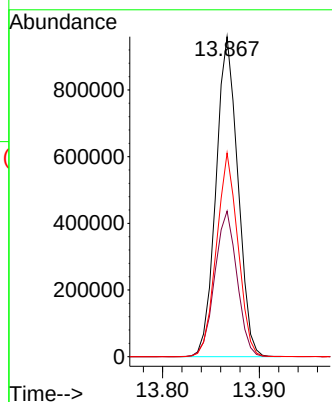
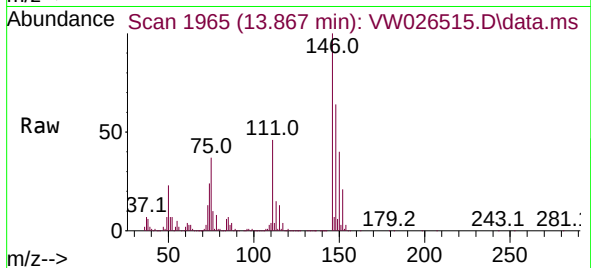
Tgt Ion:146 Resp: 1505974

Ion Ratio Lower Upper

146 100

111 45.5 36.6 55.0

148 63.6 55.1 82.7



#68

1,2-Dibromo-3-chloropropane

Concen: 100.509 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

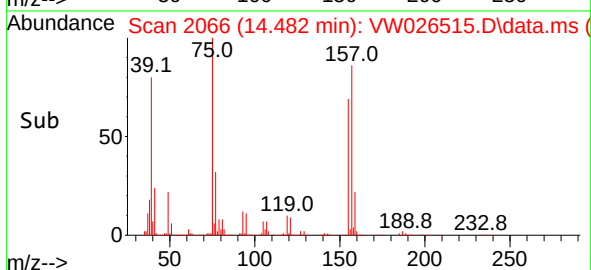
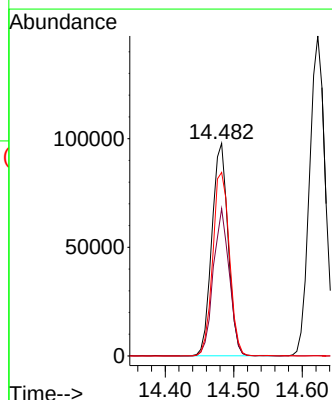
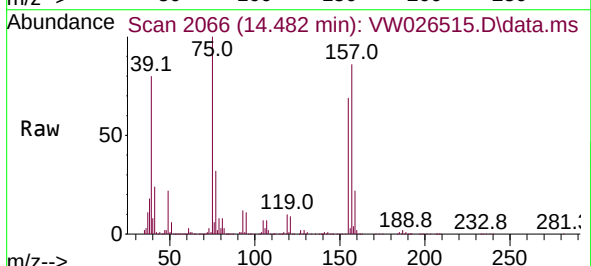
Tgt Ion: 75 Resp: 161222

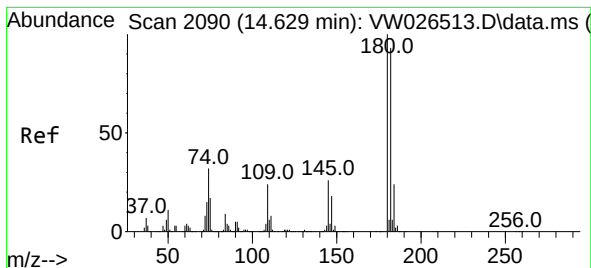
Ion Ratio Lower Upper

75 100

155 69.3 57.3 85.9

157 86.3 76.9 115.3





#69

1,3,5-Trichlorobenzene

Concen: 96.868 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD100402

Tgt Ion:180 Resp: 1081078

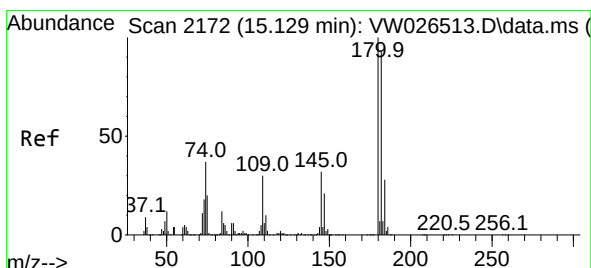
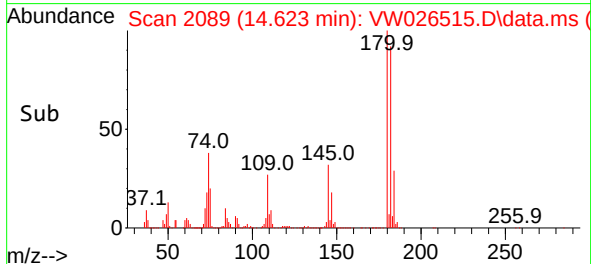
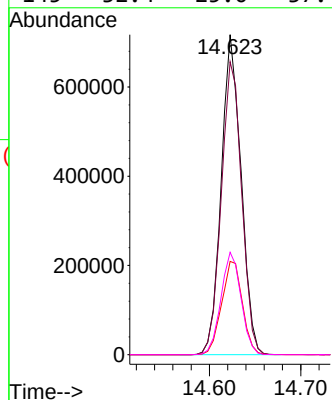
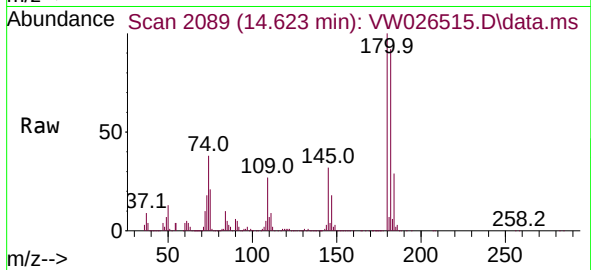
Ion Ratio Lower Upper

180 100

182 94.2 75.5 113.3

184 30.6 23.8 35.8

145 32.4 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 94.262 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

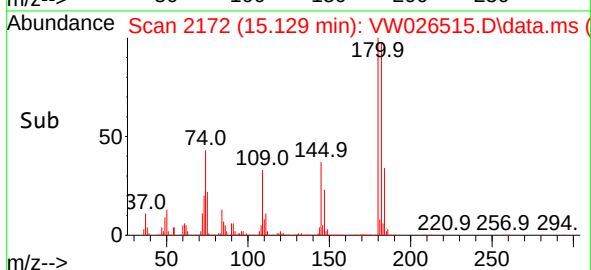
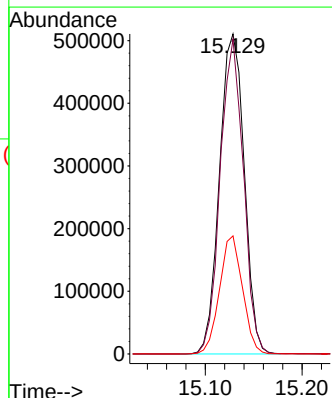
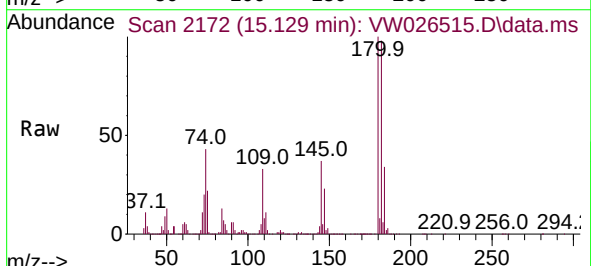
Tgt Ion:180 Resp: 906719

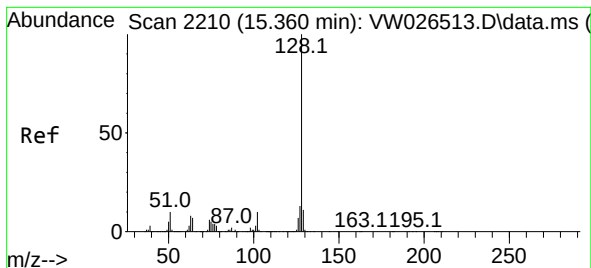
Ion Ratio Lower Upper

180 100

182 92.2 74.5 111.7

145 34.3 25.9 38.9





#71

Naphthalene

Concen: 103.315 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD100402

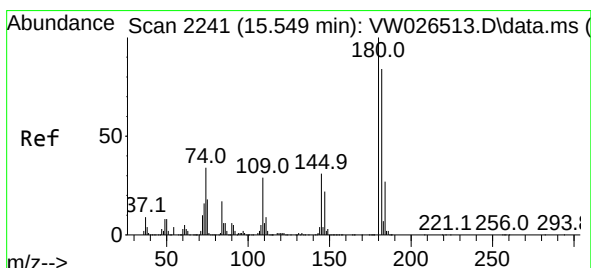
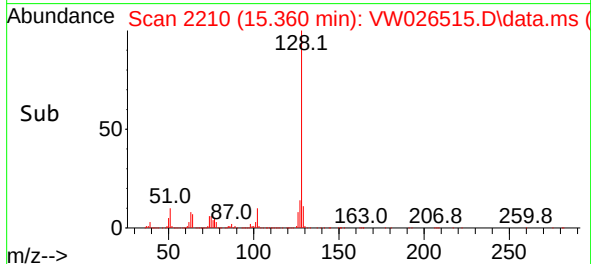
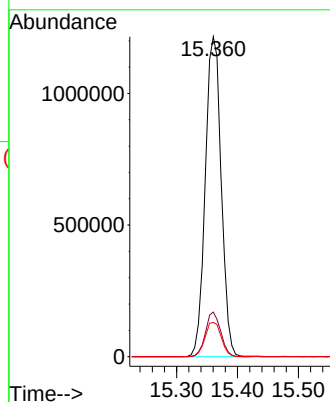
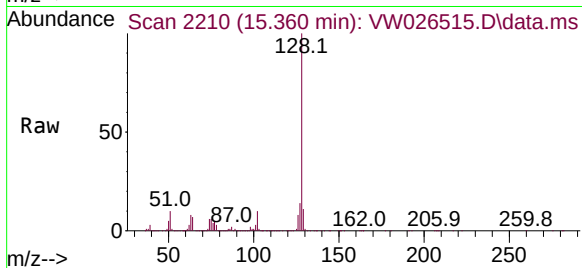
Tgt Ion:128 Resp: 2205635

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.2

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 98.567 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026515.D

Acq: 03 Jul 2023 17:55

Tgt Ion:180 Resp: 845552

Ion Ratio Lower Upper

180 100

182 91.6 75.3 112.9

145 32.7 29.0 43.6

