

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026884.D
 Acq On : 25 Aug 2023 10:09
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 26 01:41:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 25 05:00:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	669603	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	626434	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	342924	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	287915	26.156	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.640%
7) Chloroethane-d5	2.893	69	224460	27.423	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.680%
11) 1,1-Dichloroethene-d2	4.021	65	133990	24.749	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.000%
21) 2-Butanone-d5	7.081	46	167839	53.050	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.100%
24) Chloroform-d	7.648	84	605338	26.935	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.760%
26) 1,2-Dichloroethane-d4	8.307	65	314957	25.395	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	8.270	84	1210688	28.042	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.160%
36) 1,2-Dichloropropane-d6	9.270	67	392295	29.171	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.680%
41) Toluene-d8	10.325	98	1060316	28.611	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.440%
43) trans-1,3-Dichloroprop...	10.575	79	146993	26.473	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.880%
47) 2-Hexanone-d5	10.922	63	84047	59.478	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.960%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	301843	28.421	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.680%
66) 1,2-Dichlorobenzene-d4	13.848	152	335986	27.374	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.480%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	240354	26.401	ug/L	94
3) Chloromethane	2.222	50	313810	25.208	ug/L	99
5) Vinyl chloride	2.375	62	329831	27.715	ug/L	100
6) Bromomethane	2.783	94	171890	24.791	ug/L	99
8) Chloroethane	2.930	64	190424	26.705	ug/L	99
9) Trichlorofluoromethane	3.265	101	232053	23.760	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	284282	26.947	ug/L	98
12) 1,1-Dichloroethene	4.045	96	259610	26.231	ug/L	96
13) Acetone	4.118	43	152754	48.559	ug/L	95
14) Carbon disulfide	4.393	76	779527	21.893	ug/L	98
15) Methyl Acetate	4.667	43	158697	25.185	ug/L	100
16) Methylene chloride	4.917	84	300121	23.170	ug/L	94
17) trans-1,2-Dichloroethene	5.423	96	287543	26.035	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	478848	28.655	ug/L	99
19) 1,1-Dichloroethane	6.216	63	614788	27.047	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	322925	27.203	ug/L	99
22) 2-Butanone	7.173	43	219103	47.263	ug/L	99
23) Bromochloromethane	7.514	128	132751	25.888	ug/L	97
25) Chloroform	7.679	83	574261	26.150	ug/L	96

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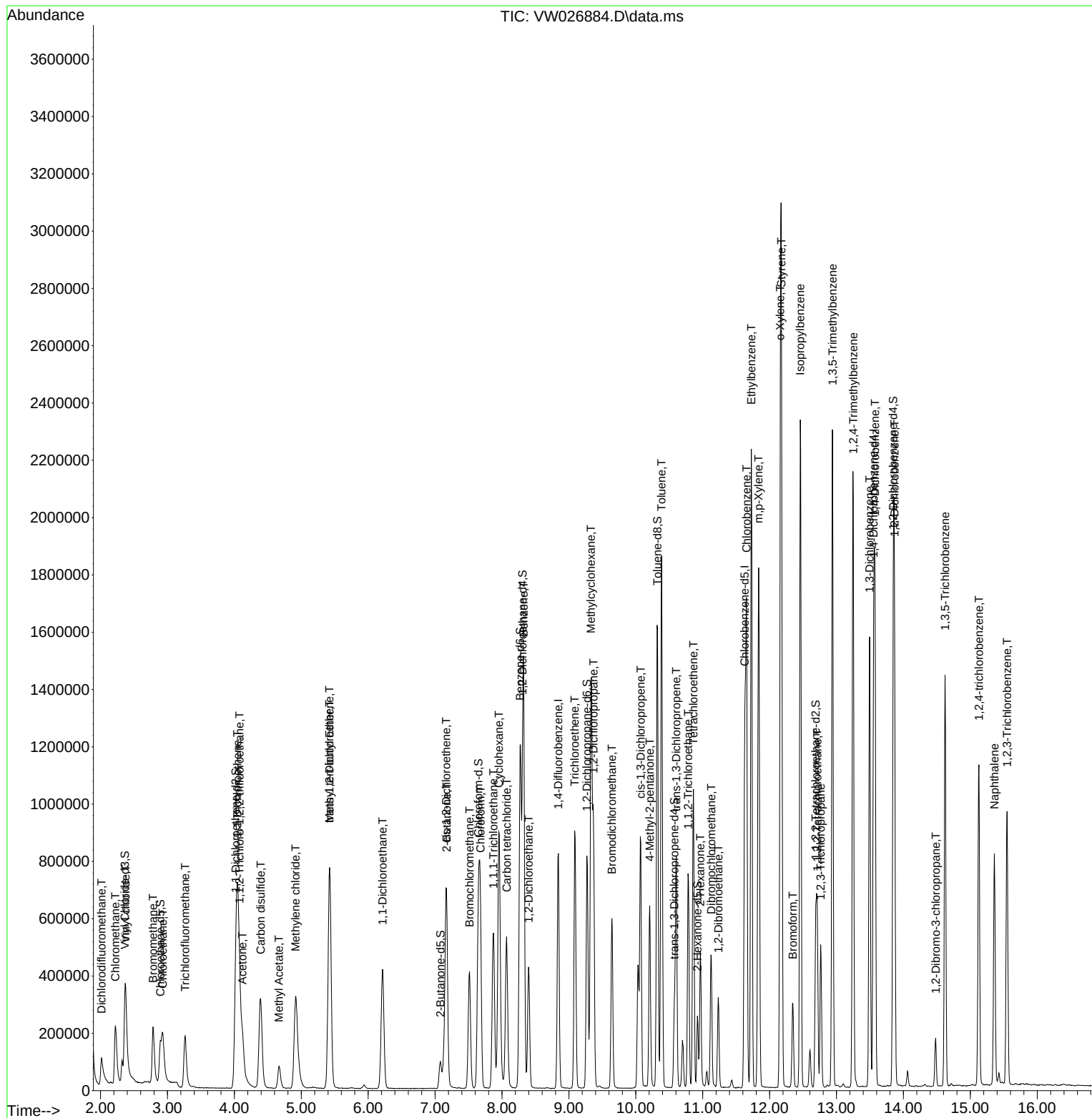
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	376841	24.598	ug/L	98
29) Cyclohexane	7.953	56	553013	28.546	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	447421	27.367	ug/L	99
31) Carbon tetrachloride	8.069	117	392176	26.235	ug/L	93
33) Benzene	8.325	78	1277299	28.000	ug/L	100
34) Trichloroethene	9.087	95	318669	27.428	ug/L	98
35) Methylcyclohexane	9.331	83	564808	28.416	ug/L	99
37) 1,2-Dichloropropane	9.368	63	355162	28.424	ug/L	100
38) Bromodichloromethane	9.642	83	399655	27.265	ug/L	95
39) cis-1,3-Dichloropropene	10.075	75	526382	29.283	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	447765	55.090	ug/L	98
42) Toluene	10.386	91	1329396	28.808	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	432842	27.976	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	231757	27.120	ug/L	96
46) Tetrachloroethene	10.861	164	233379	27.649	ug/L	93
48) 2-Hexanone	10.965	43	311602	56.342	ug/L	99
49) Dibromochloromethane	11.129	129	239524	26.799	ug/L	89
50) 1,2-Dibromoethane	11.233	107	211592	26.388	ug/L	99
51) Chlorobenzene	11.654	112	809499	27.770	ug/L	100
52) Ethylbenzene	11.727	91	1505571	29.093	ug/L	98
53) m,p-Xylene	11.837	106	553123	28.851	ug/L	91
54) o-Xylene	12.160	106	525976	29.396	ug/L	95
55) Styrene	12.178	104	921894	29.633	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.714	83	288252	26.634	ug/L	99
59) Bromoform	12.349	173	136613	25.431	ug/L	98
60) Isopropylbenzene	12.458	105	1469827	28.829	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	206992	24.884	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1191602	29.569	ug/L	99
63) 1,2,4-Trimethylbenzene	13.251	105	1164669	29.493	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	599088	27.019	ug/L	89
65) 1,4-Dichlorobenzene	13.574	146	591700	25.570	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	544939	27.026	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.482	75	45017	22.448	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	420471	28.068	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	335326	26.402	ug/L	93
71) Naphthalene	15.360	128	657799	27.151	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	318307	27.786	ug/L	97

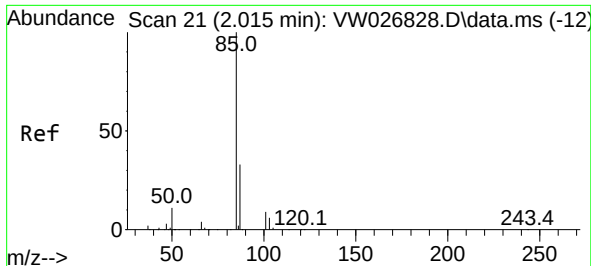
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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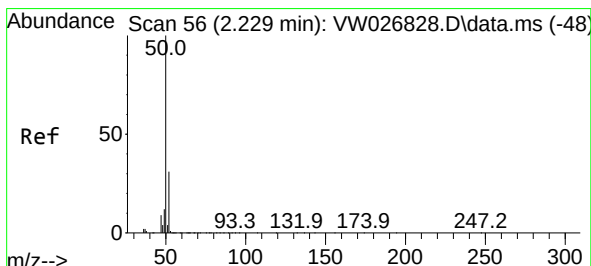
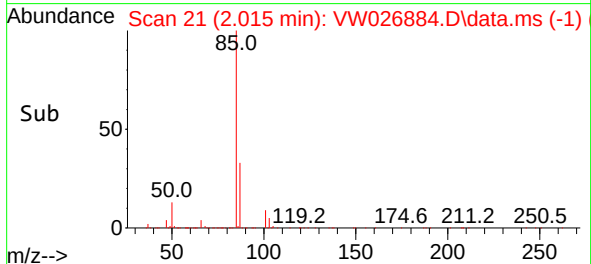
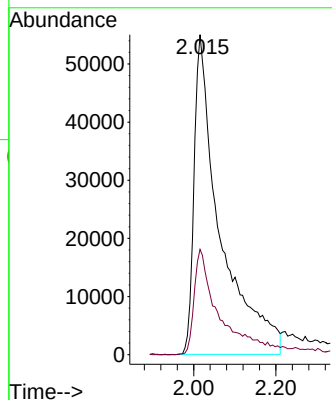
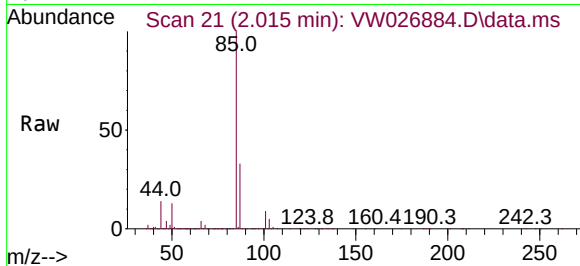




#2
 Dichlorodifluoromethane
 Concen: 26.401 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

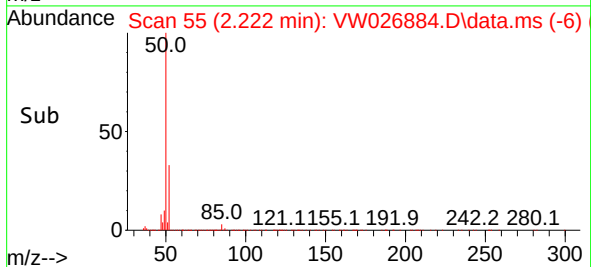
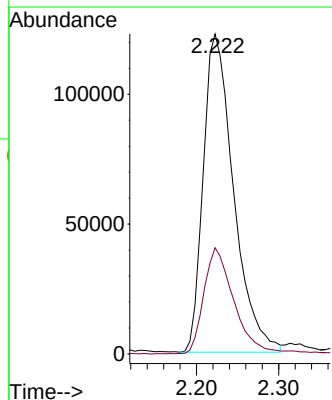
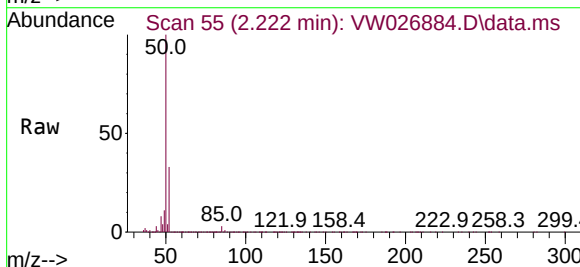
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 ClientSampleId :

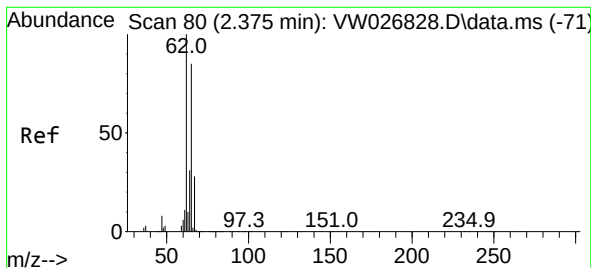
Tgt Ion: 85 Resp: 240354
 Ion Ratio Lower Upper
 85 100
 87 27.4 19.5 29.3



#3
 Chloromethane
 Concen: 25.208 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

Tgt Ion: 50 Resp: 313810
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.0 42.8





#5

Vinyl chloride

Concen: 27.715 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

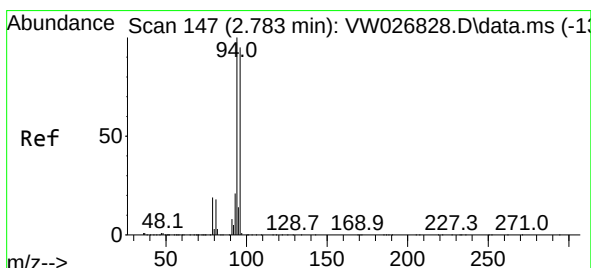
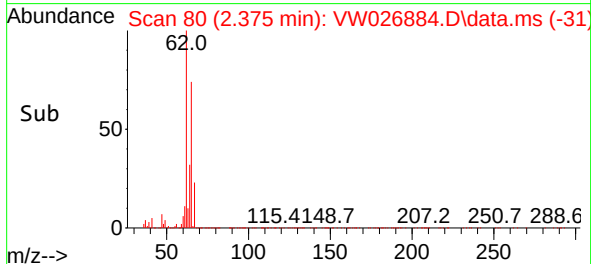
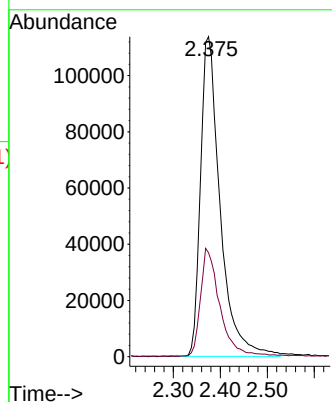
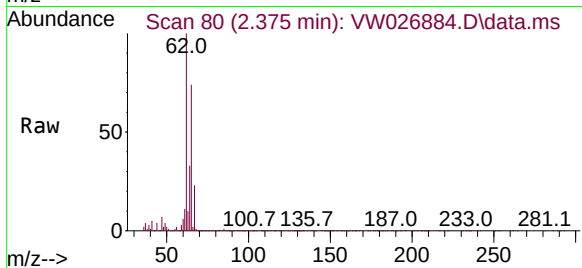
ClientSampleId :

Tgt Ion: 62 Resp: 329831

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



#6

Bromomethane

Concen: 24.791 ug/L

RT: 2.783 min Scan# 147

Delta R.T. 0.000 min

Lab File: VW026884.D

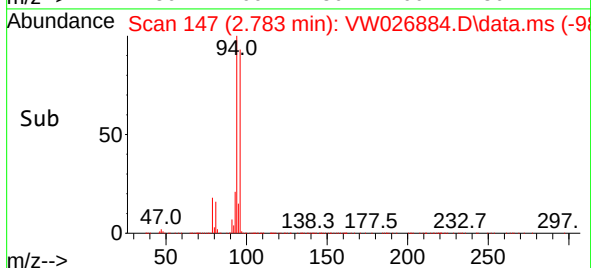
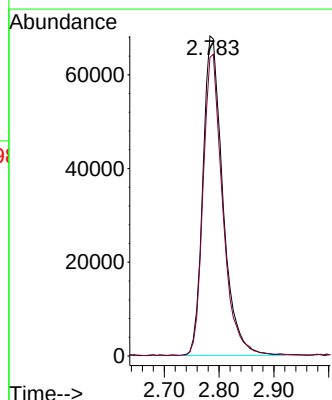
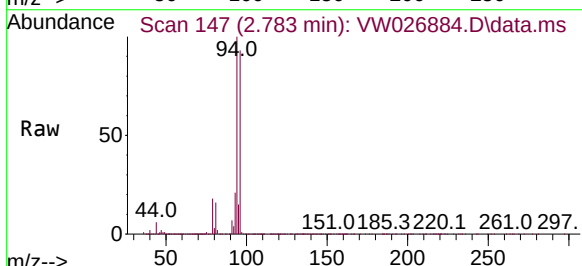
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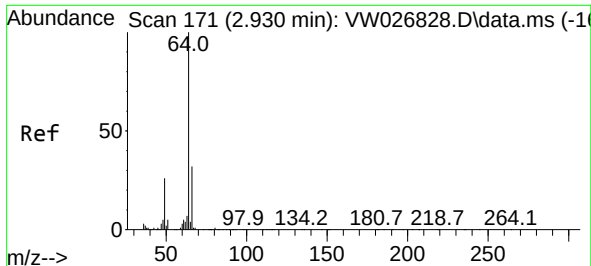
Tgt Ion: 94 Resp: 171890

Ion Ratio Lower Upper

94 100

96 93.3 64.8 120.3

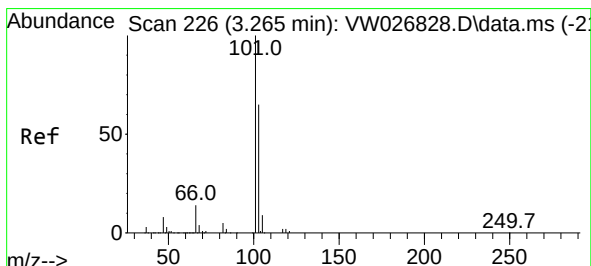
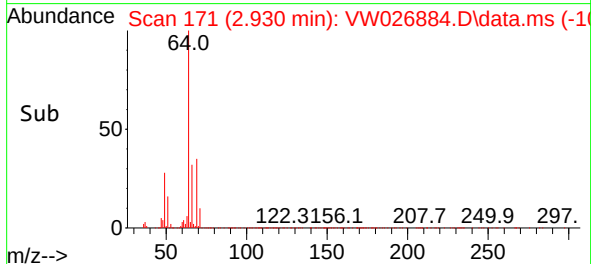
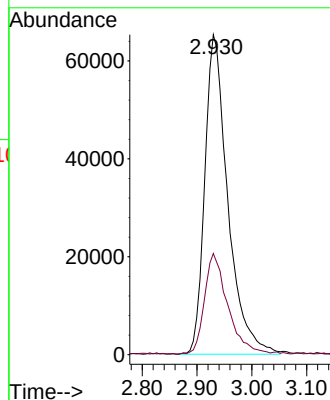
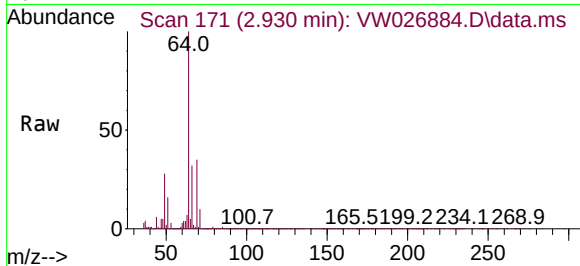




#8
Chloroethane
Concen: 26.705 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

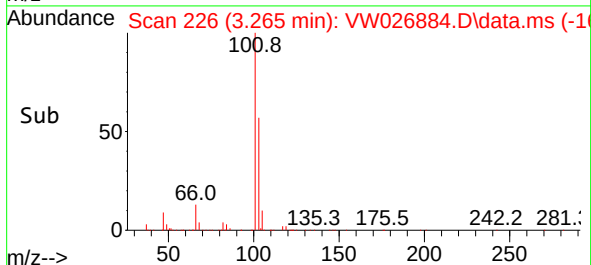
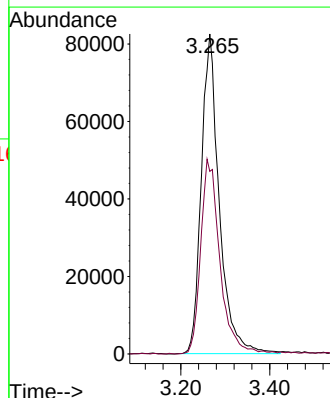
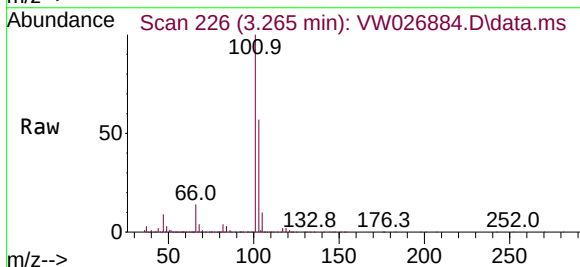
Instrument :
MSVOA_W
ClientSampleId :

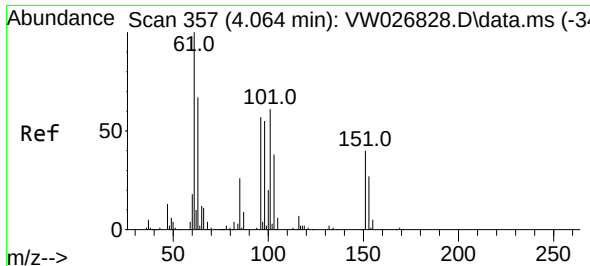
Tgt Ion: 64 Resp: 190424
Ion Ratio Lower Upper
64 100
66 31.6 21.7 40.3



#9
Trichlorofluoromethane
Concen: 23.760 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion: 101 Resp: 232053
Ion Ratio Lower Upper
101 100
103 63.9 51.9 77.9

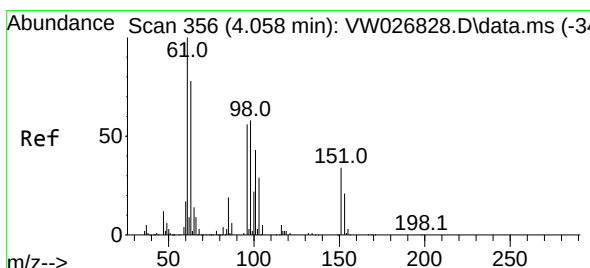
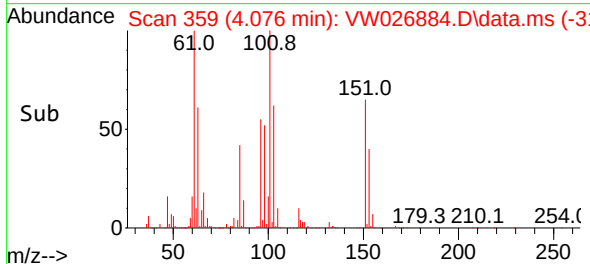
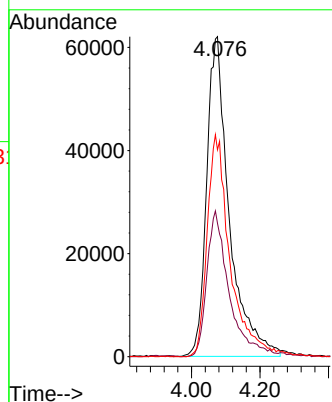
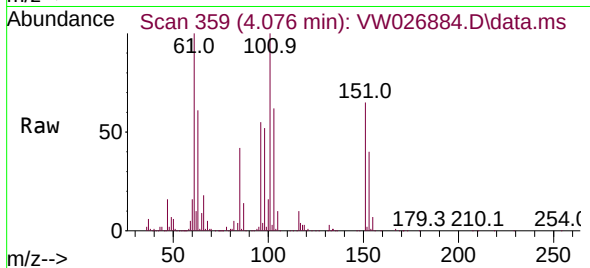




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.947 ug/L
 RT: 4.076 min Scan# 359
 Delta R.T. 0.000 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

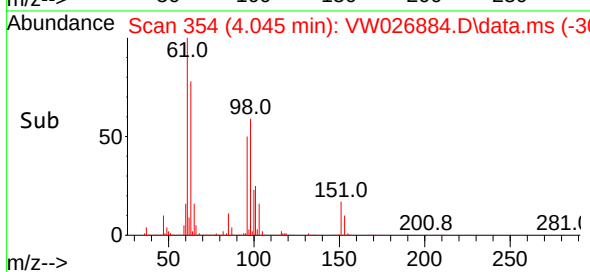
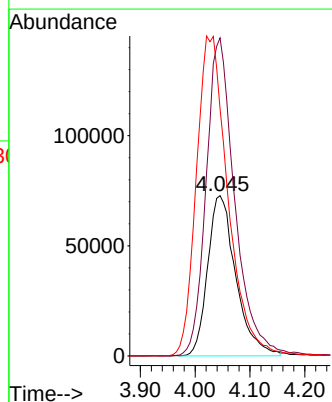
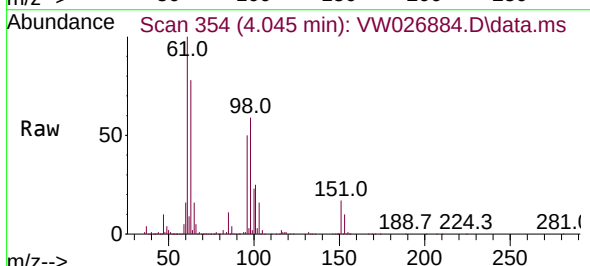
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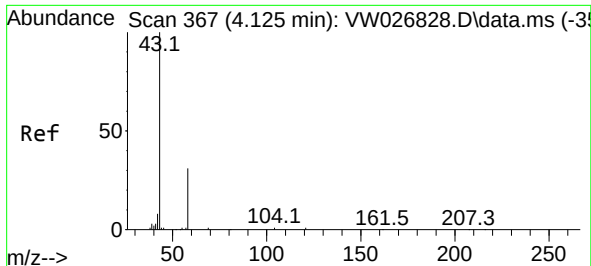
Tgt Ion:101 Resp: 284282
 Ion Ratio Lower Upper
 101 100
 85 42.4 32.8 49.2
 151 69.8 54.4 81.6



#12
 1,1-Dichloroethene
 Concen: 26.231 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.006 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

Tgt Ion: 96 Resp: 259610
 Ion Ratio Lower Upper
 96 100
 61 198.4 133.2 247.4
 63 154.3 109.0 202.4

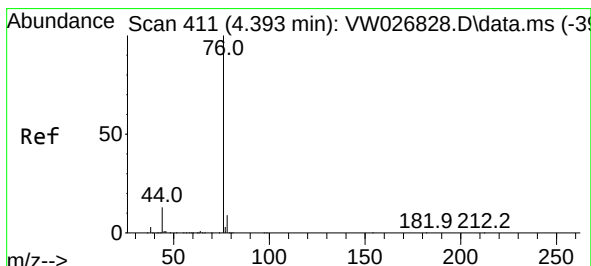
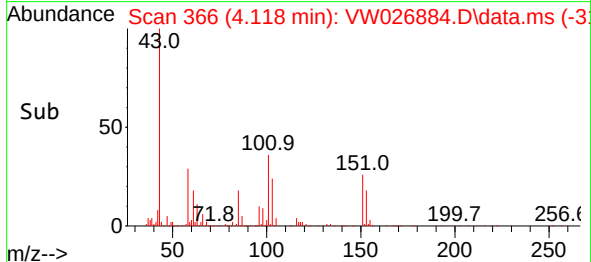
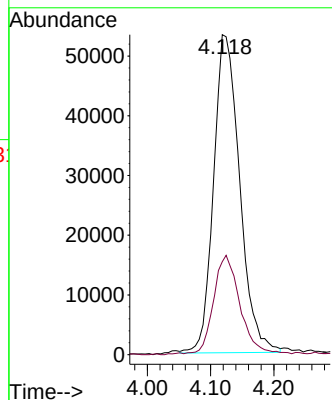
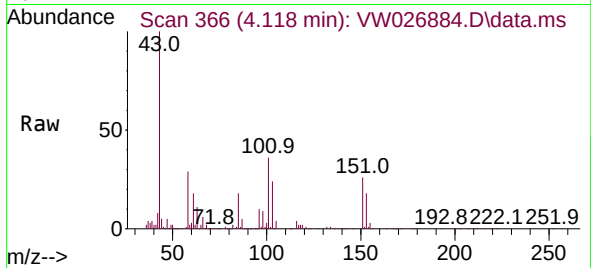




#13
Acetone
Concen: 48.559 ug/L
RT: 4.118 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

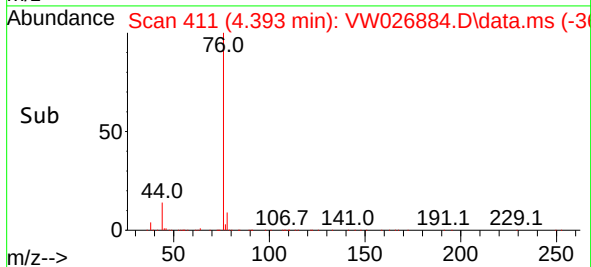
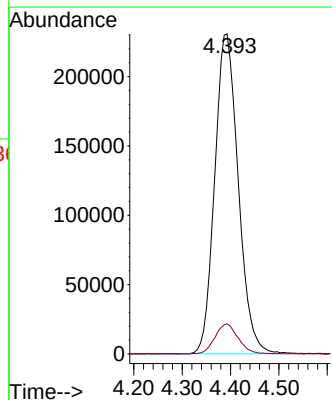
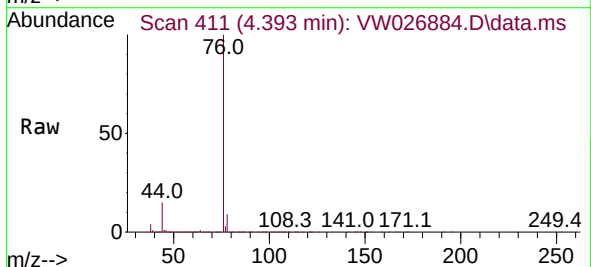
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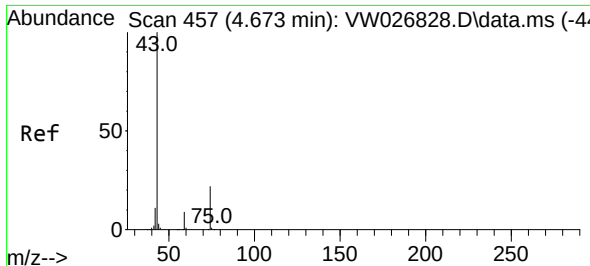
Tgt Ion: 43 Resp: 152754
Ion Ratio Lower Upper
43 100
58 31.3 0.0 57.4



#14
Carbon disulfide
Concen: 21.893 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 779527
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

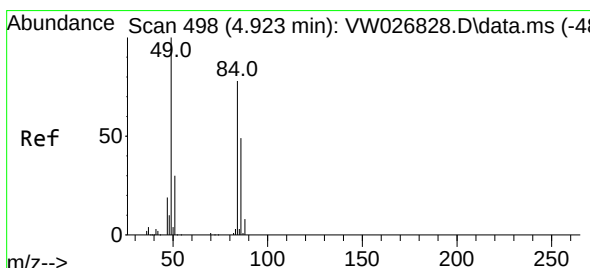
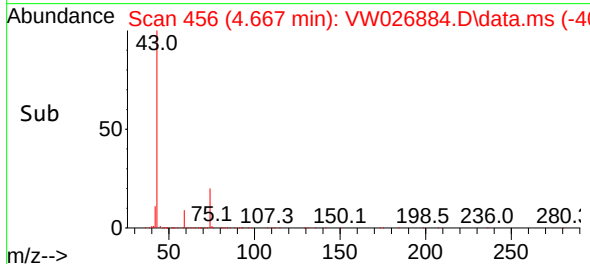
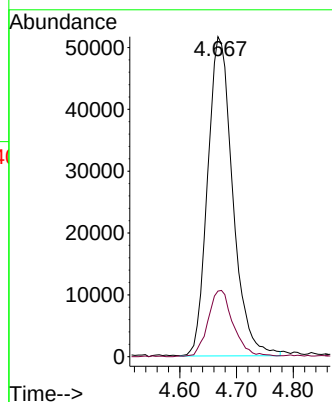
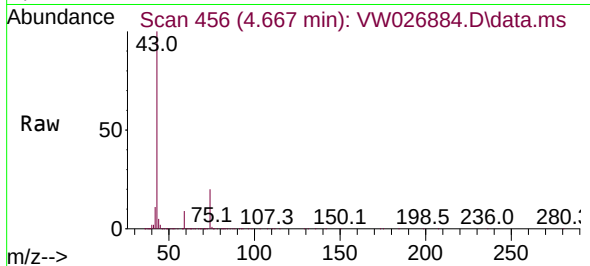




#15
Methyl Acetate
Concen: 25.185 ug/L
RT: 4.667 min Scan# 41
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

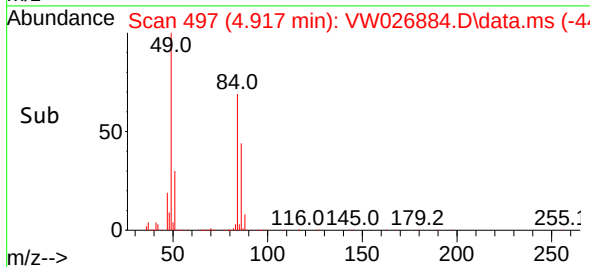
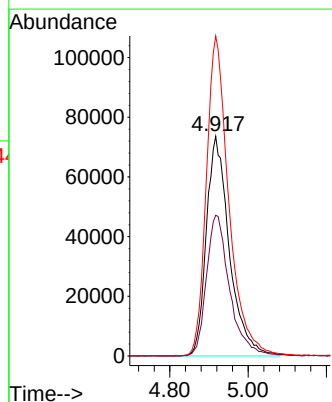
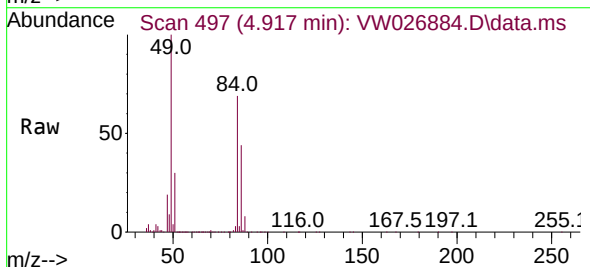
Instrument :
MSVOA_W
ClientSampleId :

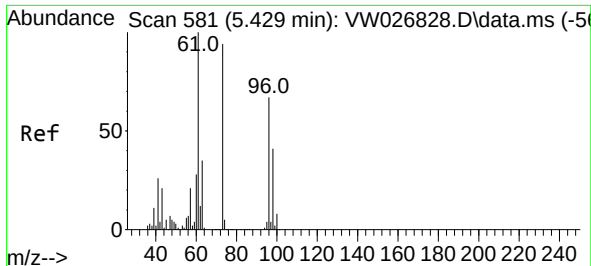
Tgt Ion: 43 Resp: 158697
Ion Ratio Lower Upper
43 100
74 20.6 16.4 24.6



#16
Methylene chloride
Concen: 23.170 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion: 84 Resp: 300121
Ion Ratio Lower Upper
84 100
86 64.1 43.5 80.9
49 145.7 96.0 178.2





#17

trans-1,2-Dichloroethene

Concen: 26.035 ug/L

RT: 5.423 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

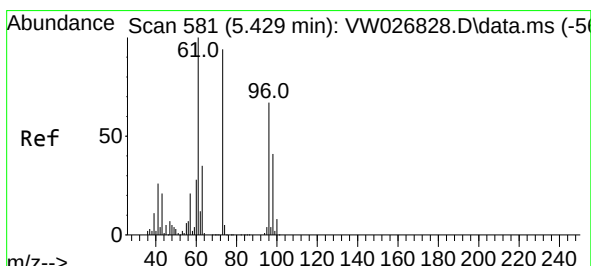
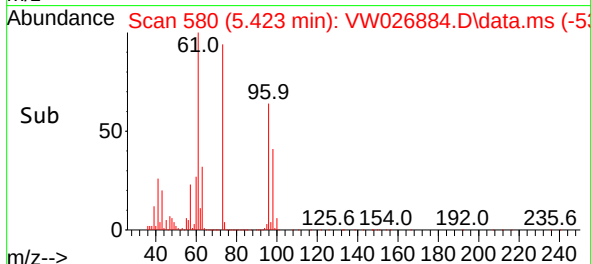
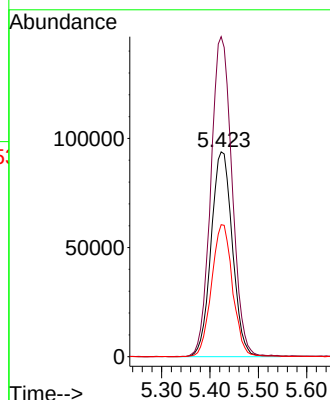
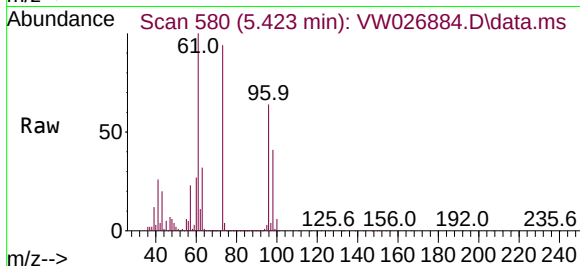
Tgt Ion: 96 Resp: 287543

Ion Ratio Lower Upper

96 100

61 156.2 109.4 203.2

98 64.5 43.6 81.0



#18

Methyl tert-butyl Ether

Concen: 28.655 ug/L

RT: 5.423 min Scan# 580

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

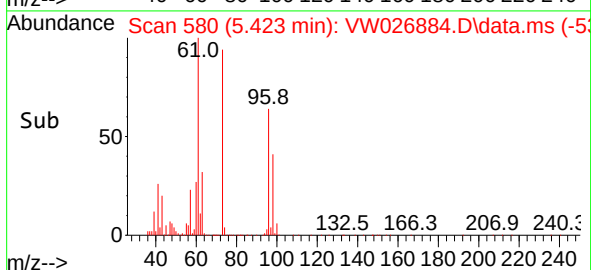
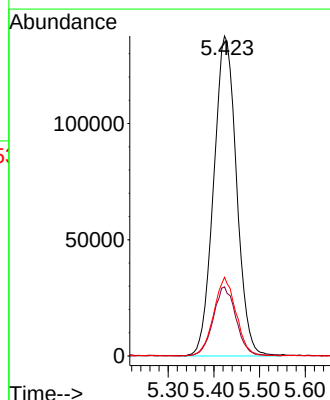
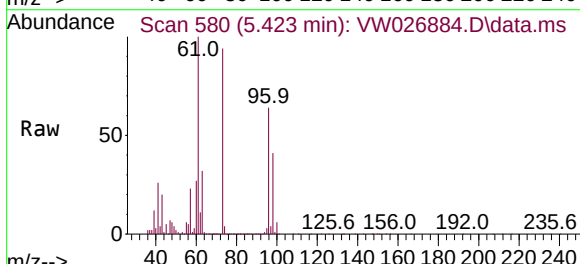
Tgt Ion: 73 Resp: 478848

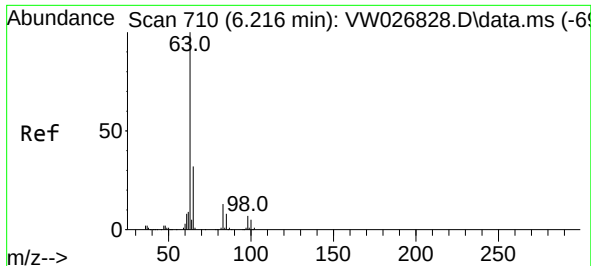
Ion Ratio Lower Upper

73 100

43 21.5 18.0 27.0

57 24.0 19.3 28.9





#19

1,1-Dichloroethane

Concen: 27.047 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

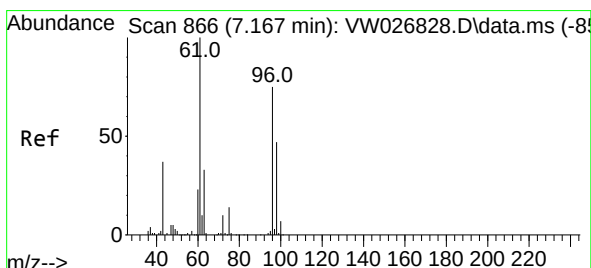
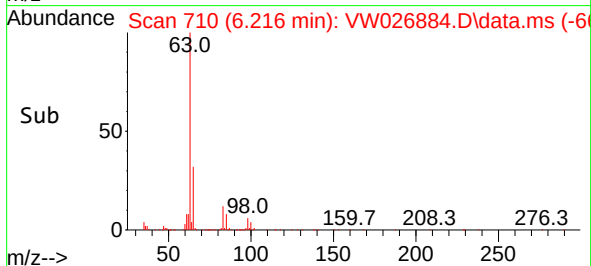
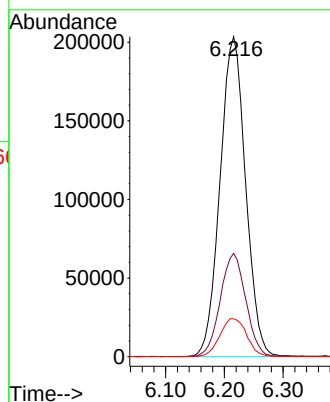
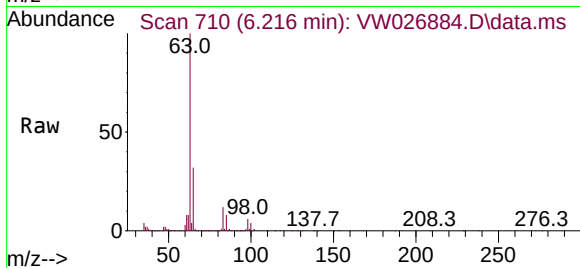
Tgt Ion: 63 Resp: 614788

Ion Ratio Lower Upper

63 100

65 32.3 21.8 40.6

83 11.9 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 27.203 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

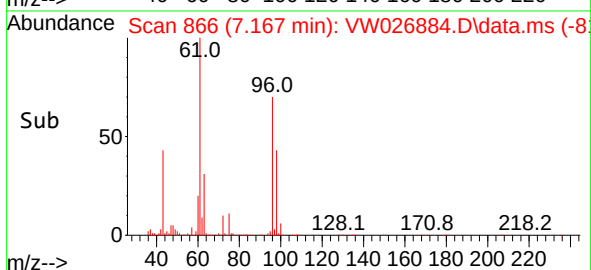
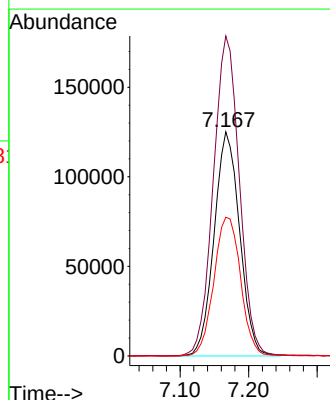
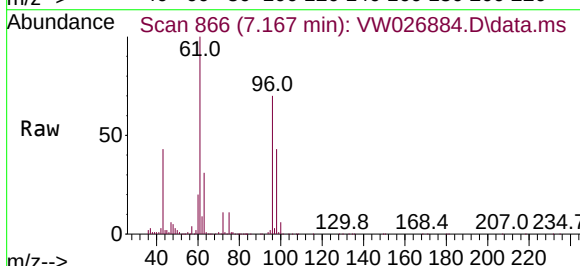
Tgt Ion: 96 Resp: 322925

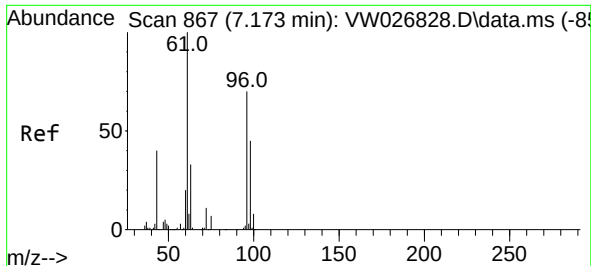
Ion Ratio Lower Upper

96 100

61 142.7 101.2 188.0

98 61.9 43.8 81.3

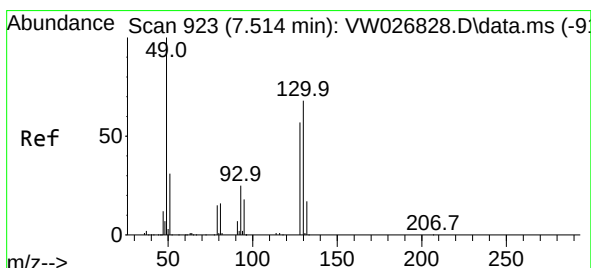
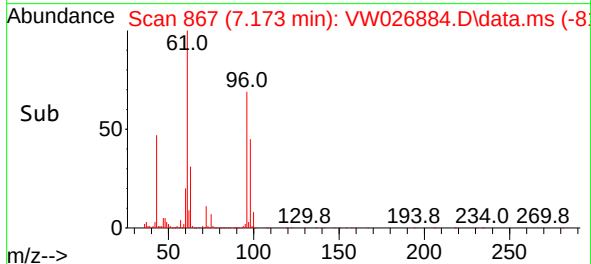
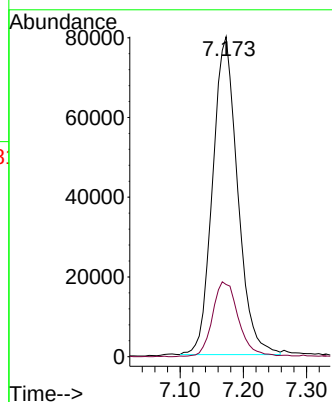
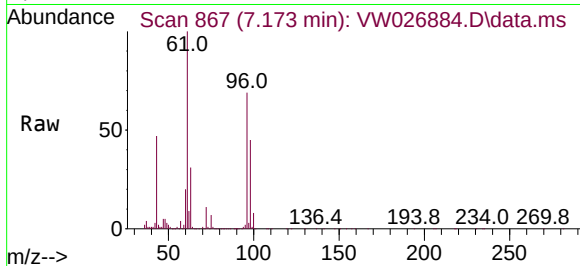




#22
2-Butanone
Concen: 47.263 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

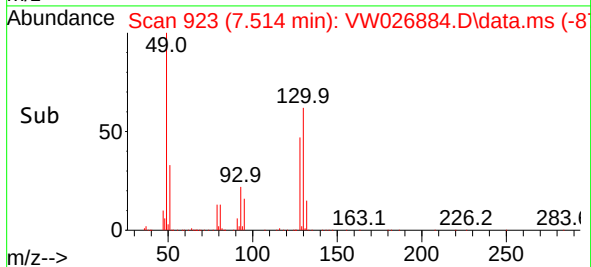
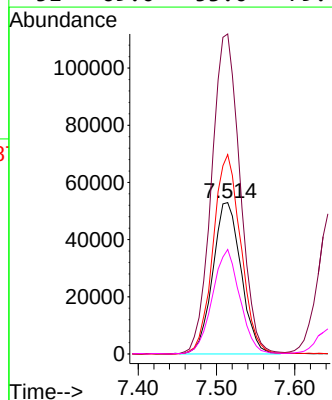
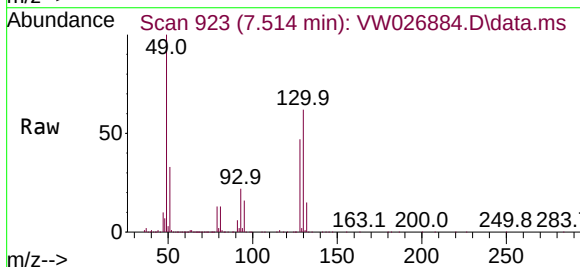
Instrument :
MSVOA_W
ClientSampleId :

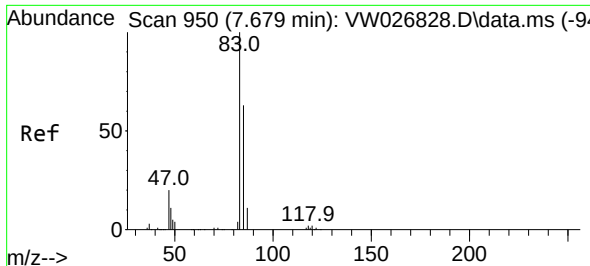
Tgt Ion: 43 Resp: 219103
Ion Ratio Lower Upper
43 100
72 24.3 11.8 35.4



#23
Bromochloromethane
Concen: 25.888 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion: 128 Resp: 132751
Ion Ratio Lower Upper
128 100
49 211.3 143.1 265.7
130 131.7 91.8 170.4
51 69.0 53.0 79.4

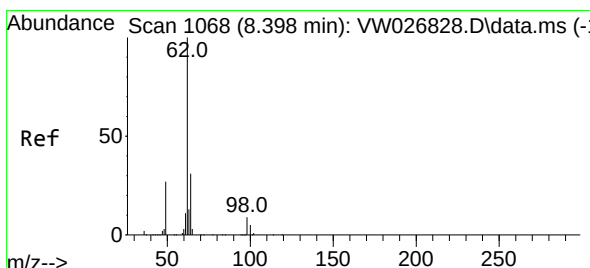
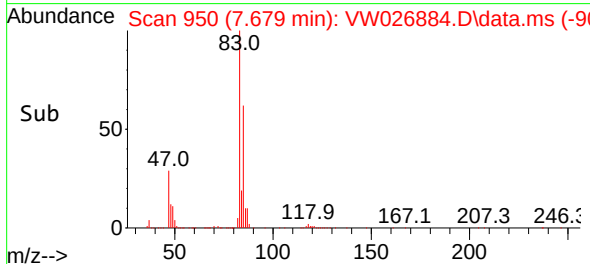
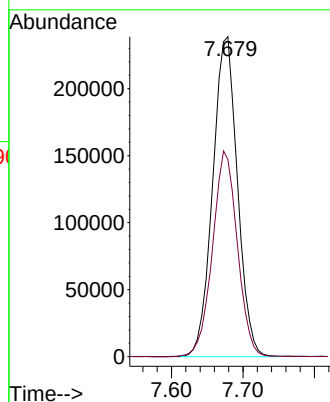
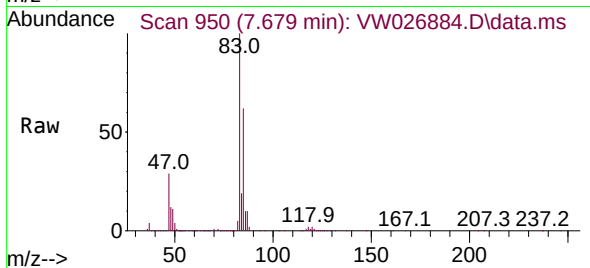




#25
Chloroform
Concen: 26.150 ug/L
RT: 7.679 min Scan# 910
Delta R.T. 0.006 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

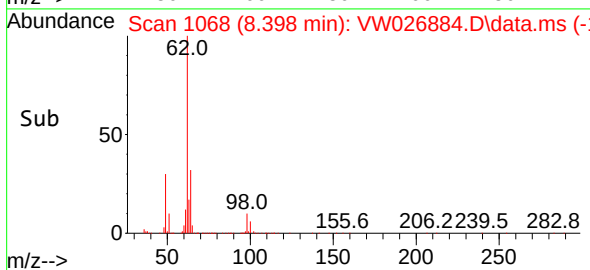
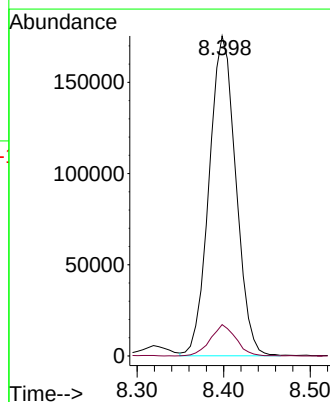
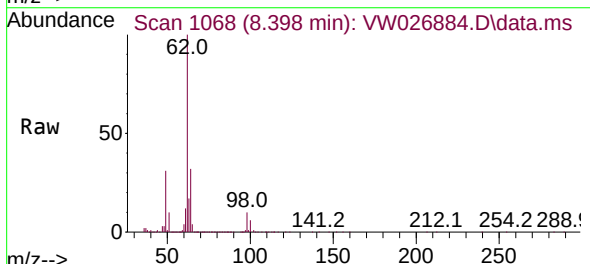
Instrument :
MSVOA_W
ClientSampleId :

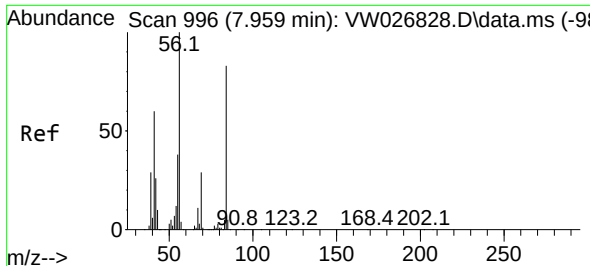
Tgt Ion: 83 Resp: 574261
Ion Ratio Lower Upper
83 100
85 61.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 24.598 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion: 62 Resp: 376841
Ion Ratio Lower Upper
62 100
98 9.8 7.1 10.7

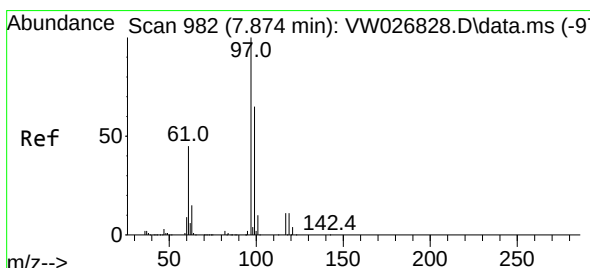
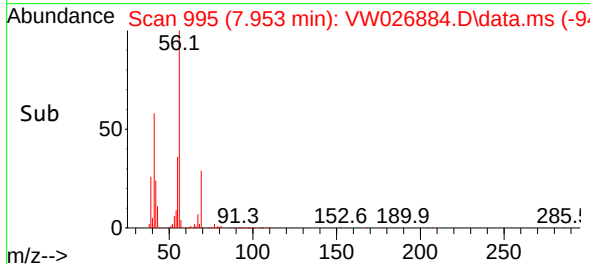
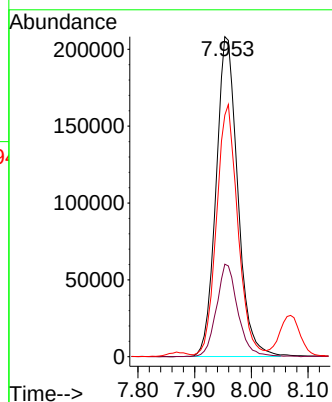
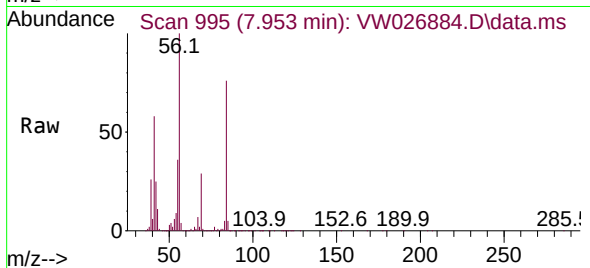




#29
Cyclohexane
Concen: 28.546 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

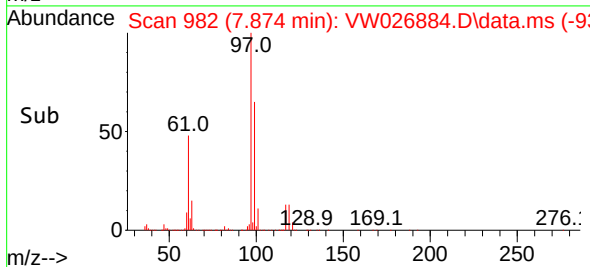
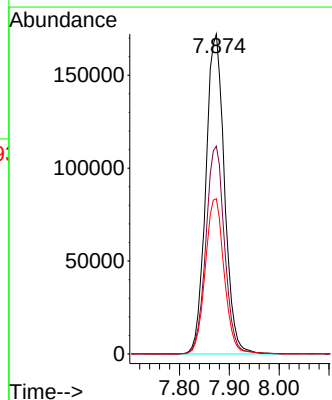
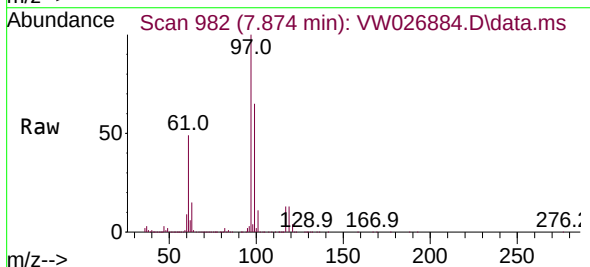
Instrument :
MSVOA_W
ClientSampleId :

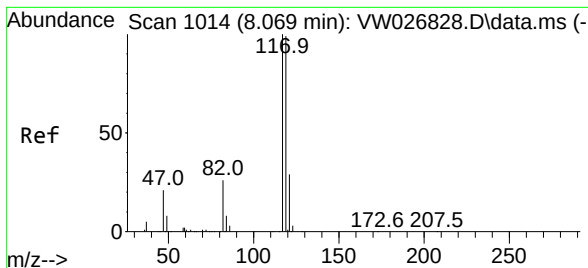
Tgt Ion: 56 Resp: 553013
Ion Ratio Lower Upper
56 100
69 28.4 23.2 34.8
84 77.7 62.7 94.1



#30
1,1,1-Trichloroethane
Concen: 27.367 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion: 97 Resp: 447421
Ion Ratio Lower Upper
97 100
99 64.9 51.2 76.8
61 49.3 39.2 58.8

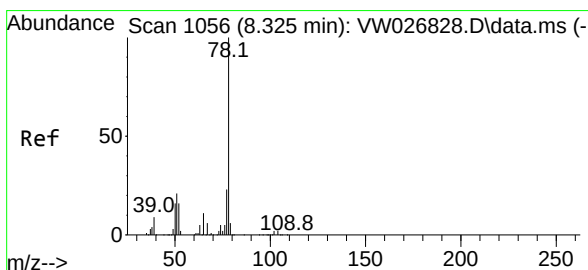
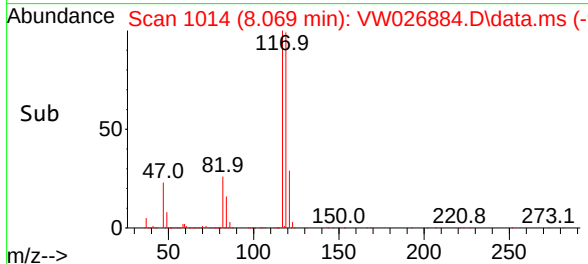
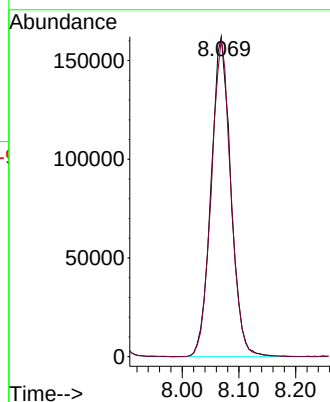
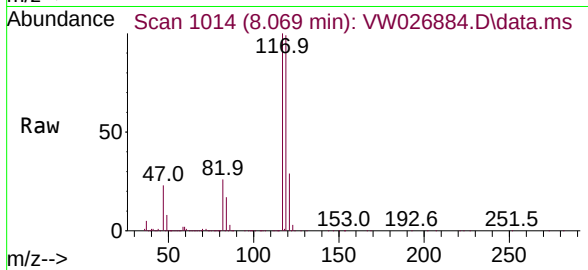




#31
Carbon tetrachloride
Concen: 26.235 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

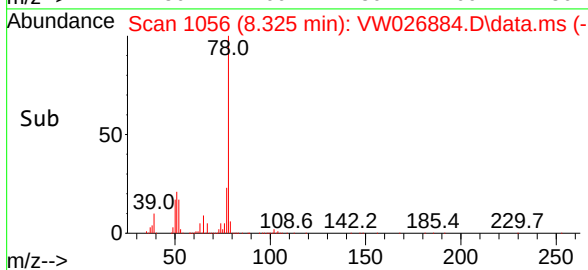
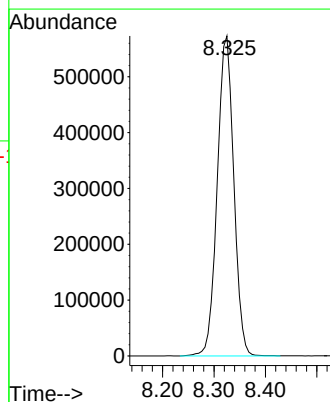
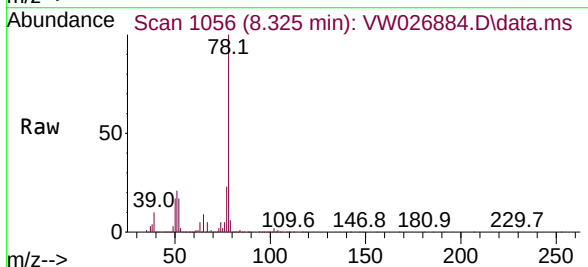
Instrument :
MSVOA_W
ClientSampleId :

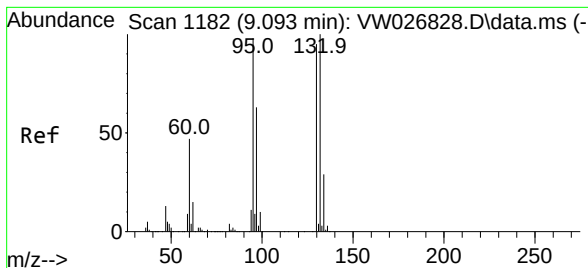
Tgt Ion:117 Resp: 392176
Ion Ratio Lower Upper
117 100
119 98.1 73.0 109.4



#33
Benzene
Concen: 28.000 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion: 78 Resp: 1277299





#34

Trichloroethene

Concen: 27.428 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

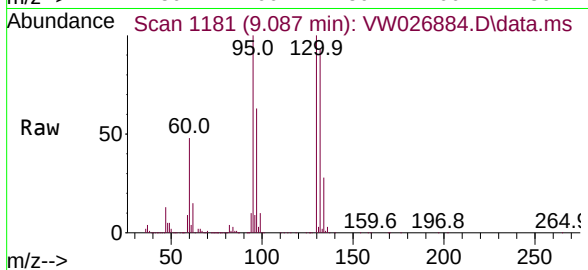
Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 318669

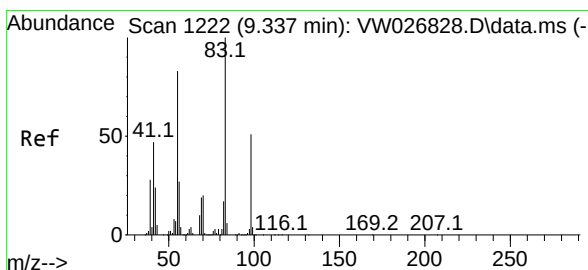
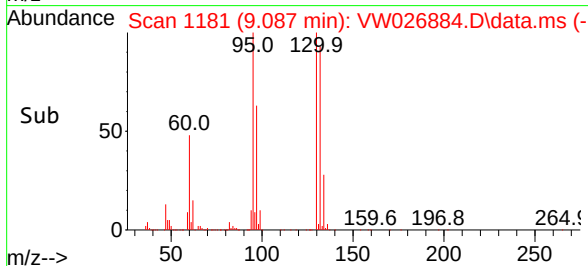
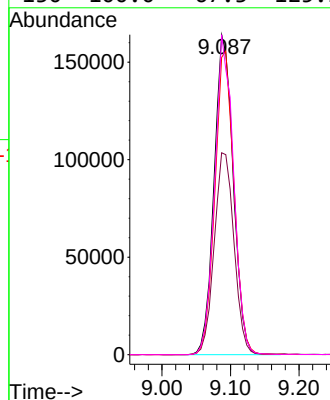
Ion Ratio Lower Upper

95 100

97 63.1 44.6 82.8

132 92.9 66.4 123.2

130 100.0 67.3 125.1



#35

Methylcyclohexane

Concen: 28.416 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

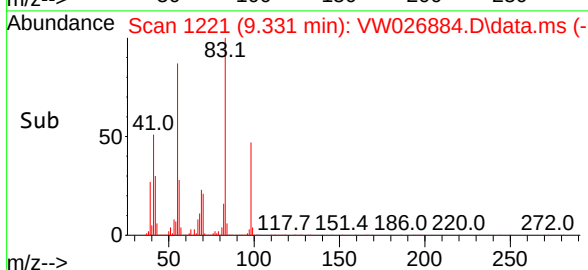
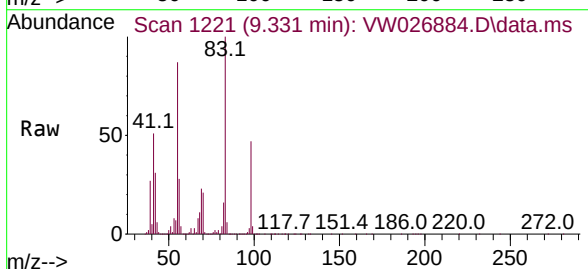
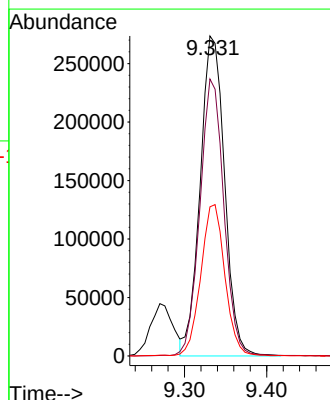
Tgt Ion: 83 Resp: 564808

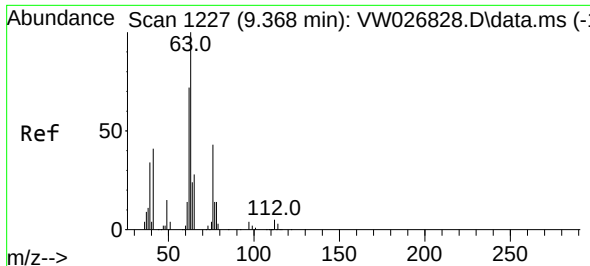
Ion Ratio Lower Upper

83 100

55 84.8 69.3 103.9

98 46.7 37.4 56.0





#37

1,2-Dichloropropane

Concen: 28.424 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

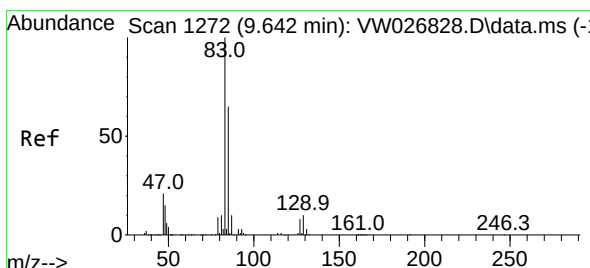
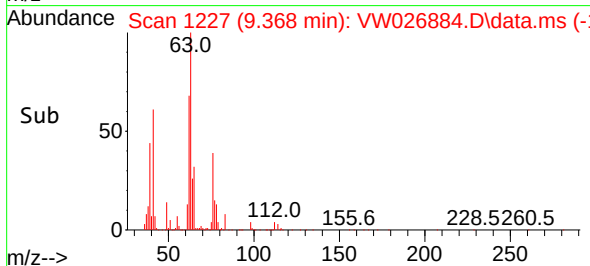
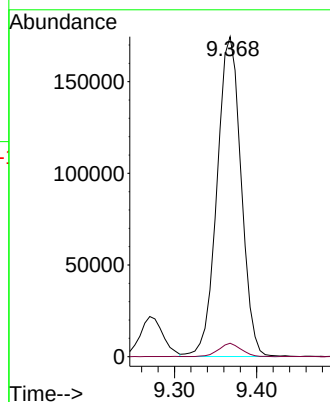
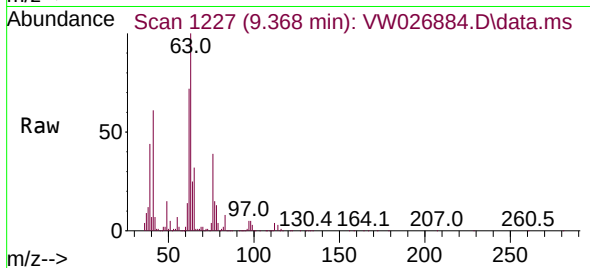
ClientSampleId :

Tgt Ion: 63 Resp: 355162

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 27.265 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

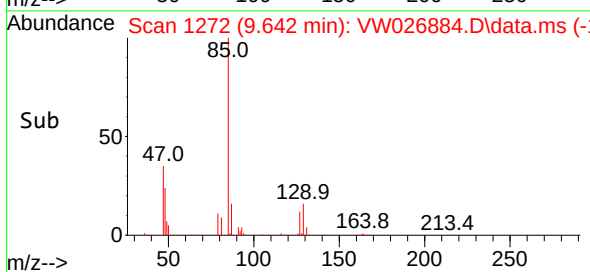
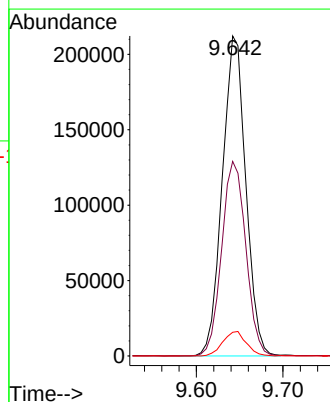
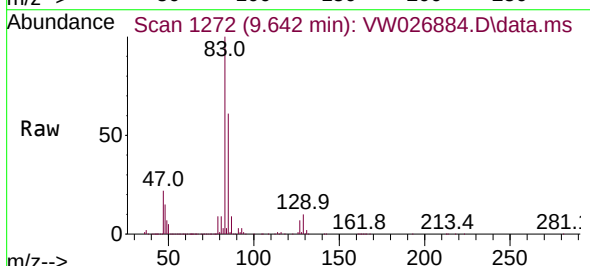
Tgt Ion: 83 Resp: 399655

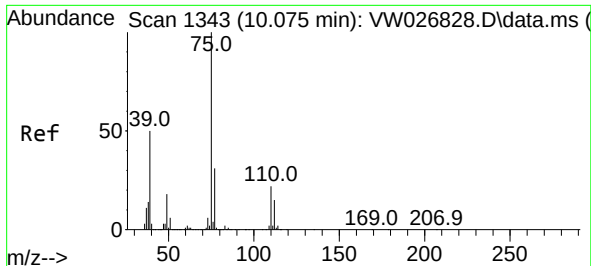
Ion Ratio Lower Upper

83 100

85 60.8 45.4 84.2

127 7.4 6.2 9.2

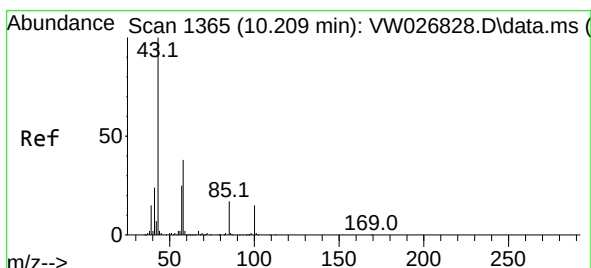
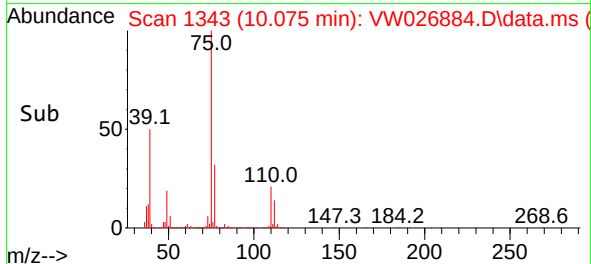
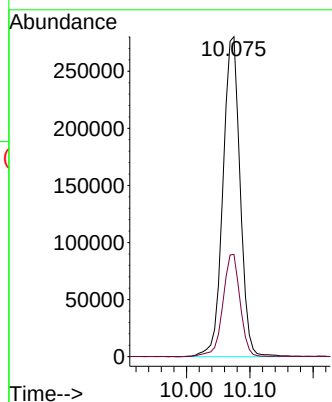
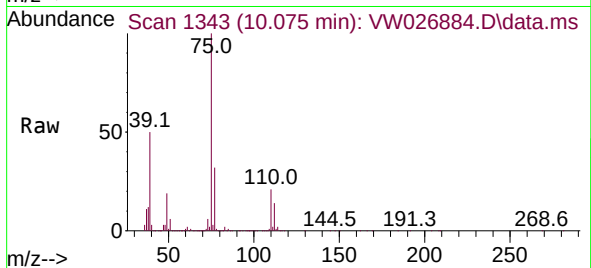




#39
 cis-1,3-Dichloropropene
 Concen: 29.283 ug/L
 RT: 10.075 min Scan# 1343
 Delta R.T. 0.006 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

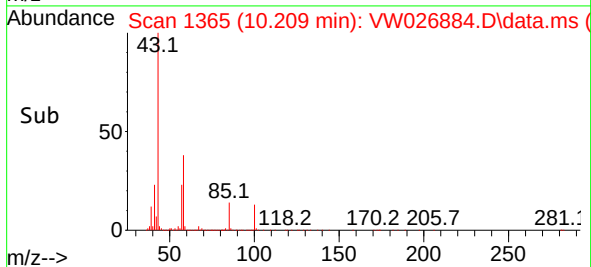
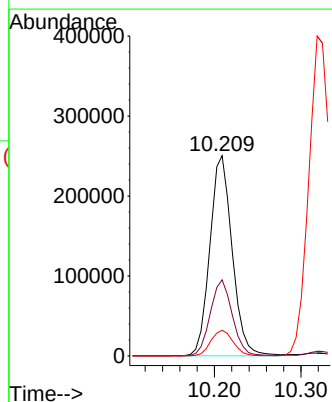
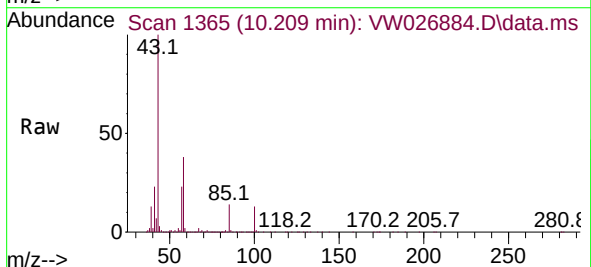
Instrument :
 MSVOA_W
 ClientSampleId :

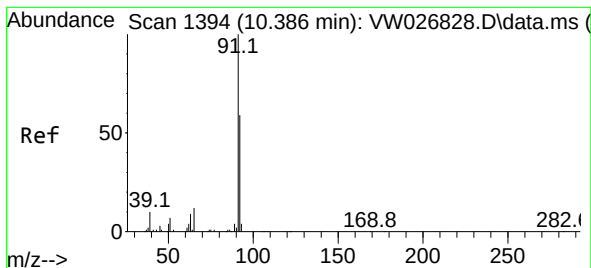
Tgt Ion: 75 Resp: 526382
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 55.090 ug/L
 RT: 10.209 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

Tgt Ion: 43 Resp: 447765
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.2 43.8
 100 13.0 10.7 16.1





#42

Toluene

Concen: 28.808 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

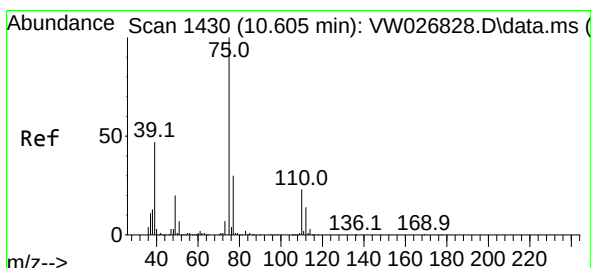
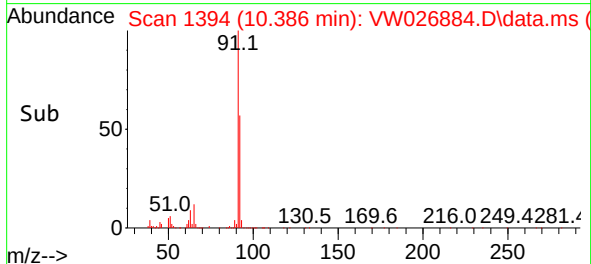
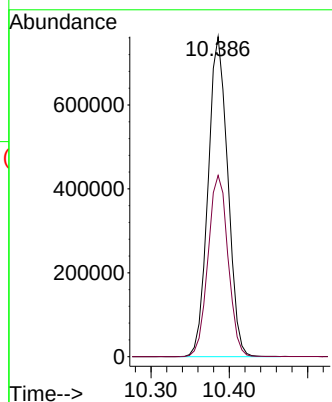
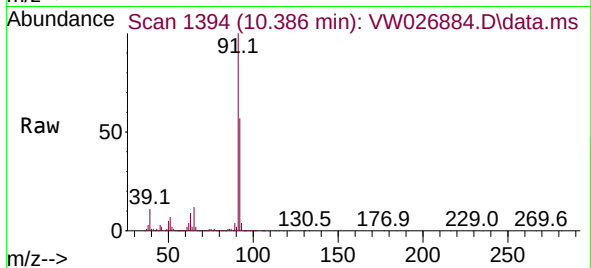
ClientSampleId :

Tgt Ion: 91 Resp: 1329396

Ion Ratio Lower Upper

91 100

92 56.7 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 27.976 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW026884.D

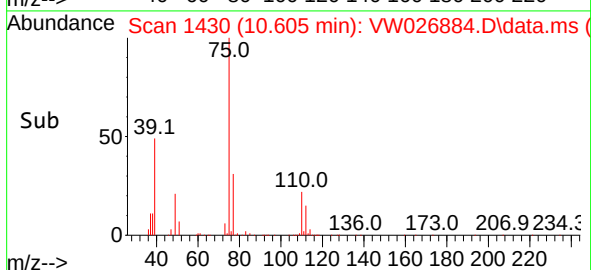
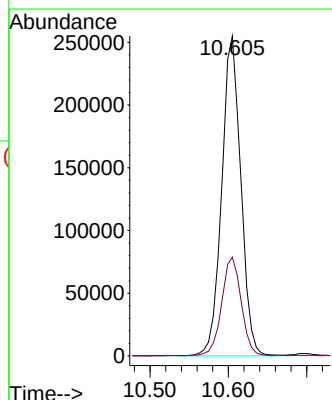
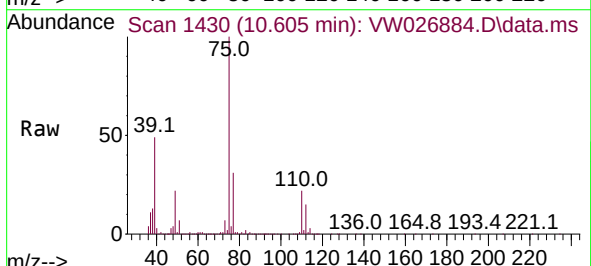
Acq: 25 Aug 2023 10:09

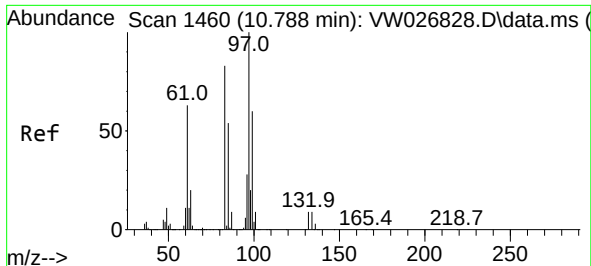
Tgt Ion: 75 Resp: 432842

Ion Ratio Lower Upper

75 100

77 30.9 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 27.120 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 97 Resp: 231757

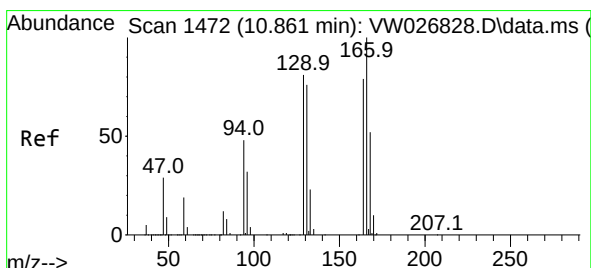
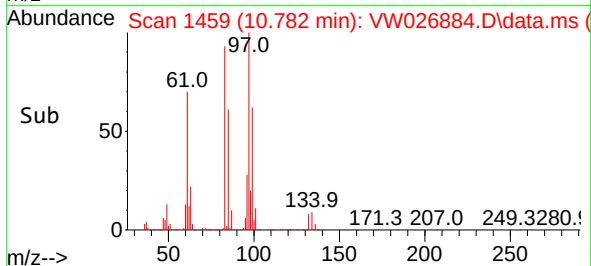
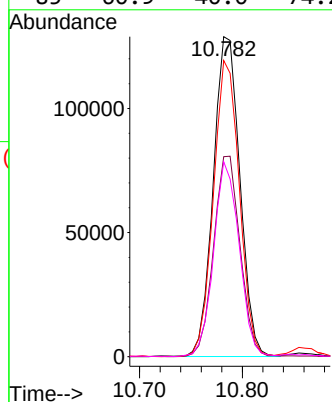
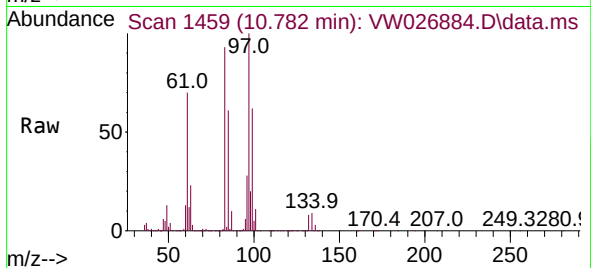
Ion Ratio Lower Upper

97 100

99 62.5 44.2 82.0

83 92.6 61.9 114.9

85 60.9 40.0 74.2



#46

Tetrachloroethene

Concen: 27.649 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Tgt Ion:164 Resp: 233379

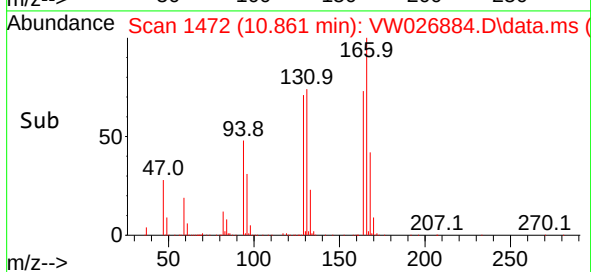
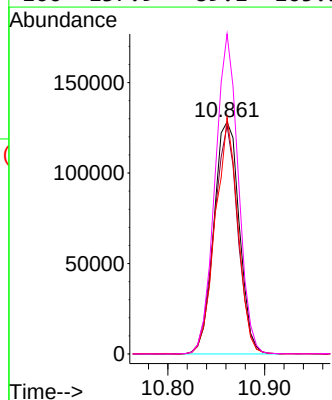
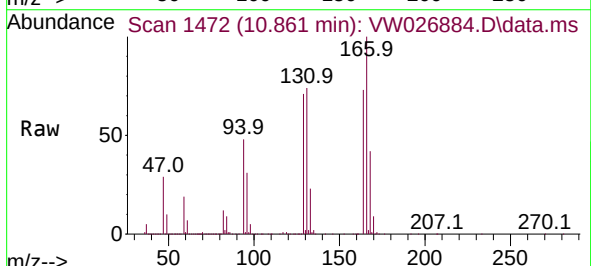
Ion Ratio Lower Upper

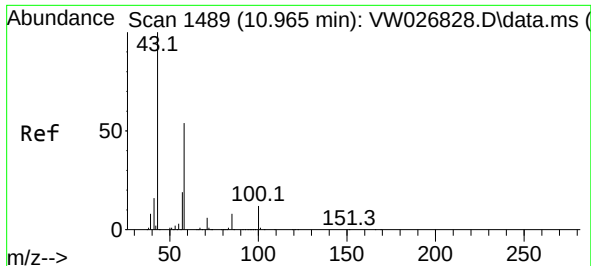
164 100

129 98.4 68.1 126.5

131 101.9 65.5 121.7

166 137.9 89.1 165.5

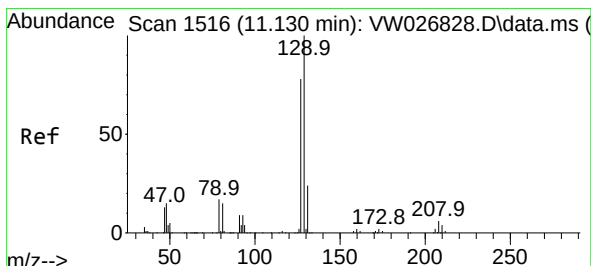
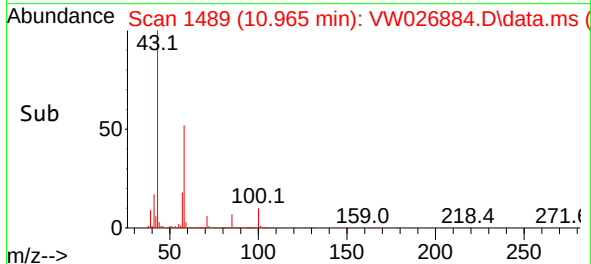
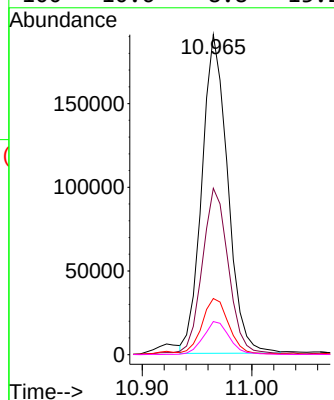
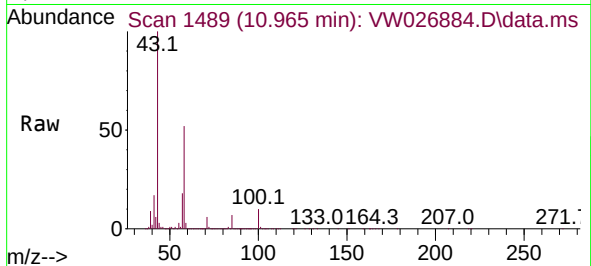




#48
2-Hexanone
Concen: 56.342 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

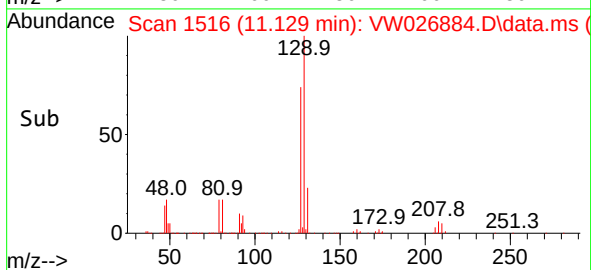
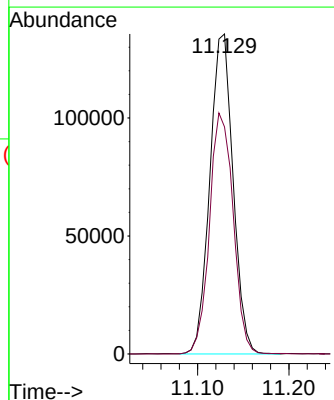
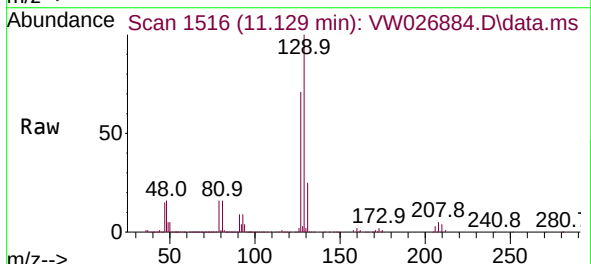
Instrument :
MSVOA_W
ClientSampleId :

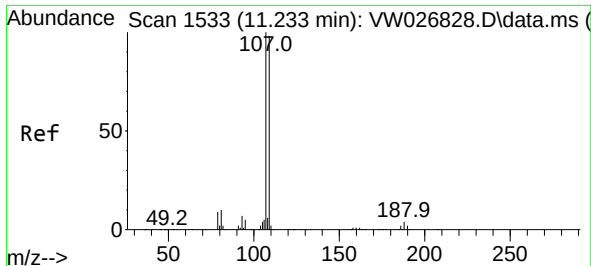
Tgt Ion:	43	Resp:	311602
Ion	Ratio	Lower	Upper
43	100		
58	51.6	41.1	61.7
57	18.5	14.3	21.5
100	10.6	8.8	13.2



#49
Dibromochloromethane
Concen: 26.799 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion:	129	Resp:	239524
Ion	Ratio	Lower	Upper
129	100		
127	70.9	56.6	105.2





#50

1,2-Dibromoethane

Concen: 26.388 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

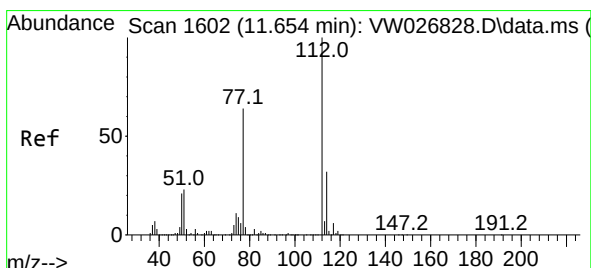
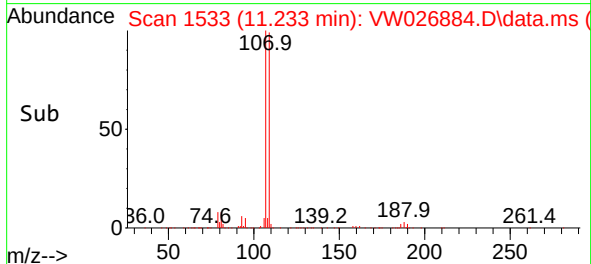
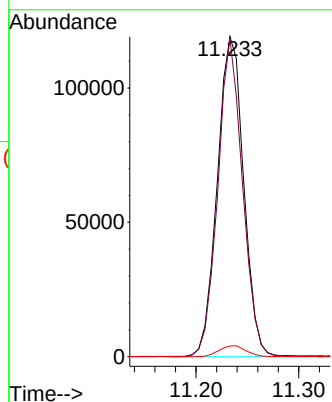
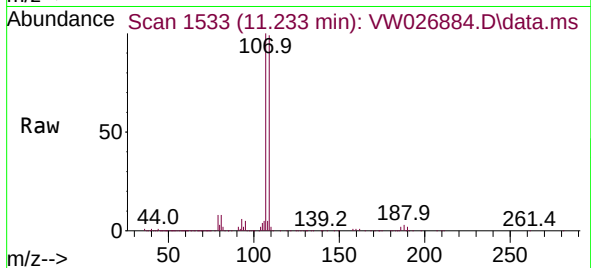
Tgt Ion:107 Resp: 211592

Ion Ratio Lower Upper

107 100

109 99.4 68.8 127.8

188 3.3 2.7 4.1



#51

Chlorobenzene

Concen: 27.770 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

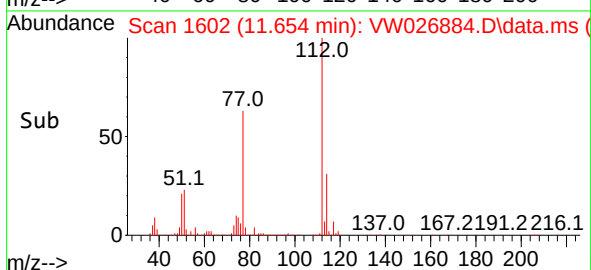
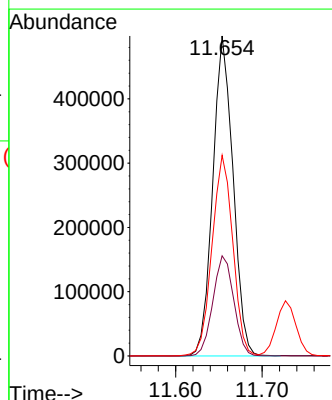
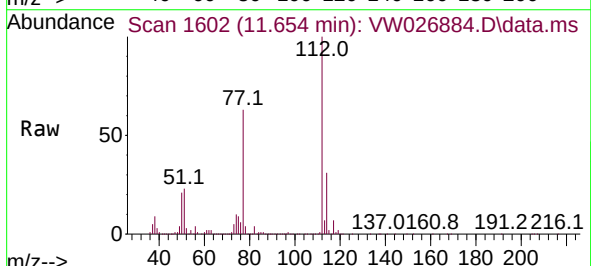
Tgt Ion:112 Resp: 809499

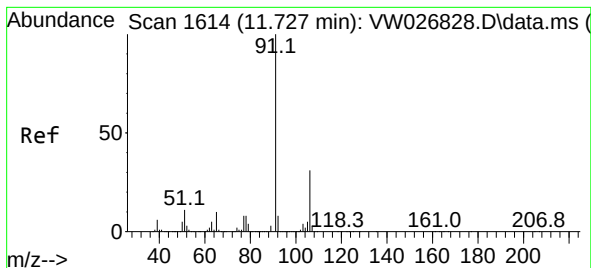
Ion Ratio Lower Upper

112 100

114 31.3 22.4 41.6

77 62.7 50.2 75.2

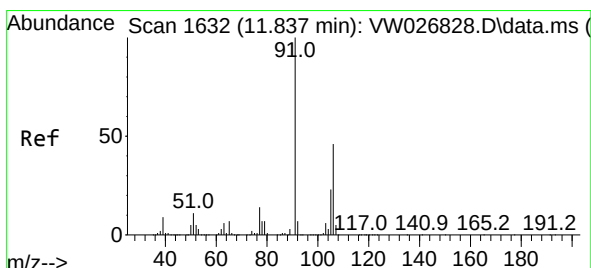
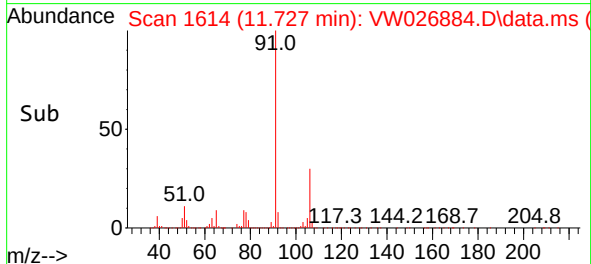
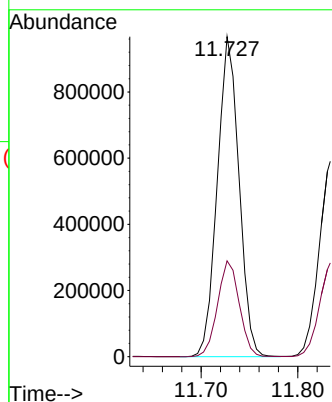
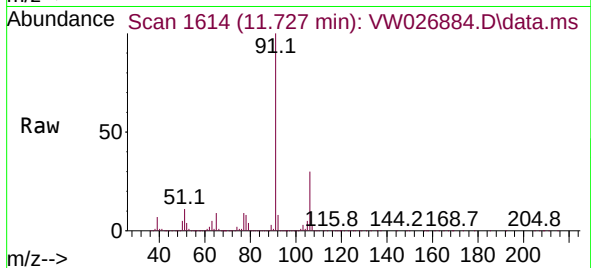




#52
Ethylbenzene
Concen: 29.093 ug/L
RT: 11.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

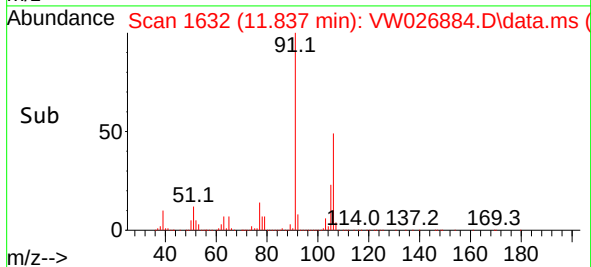
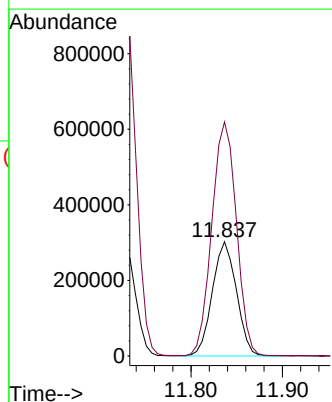
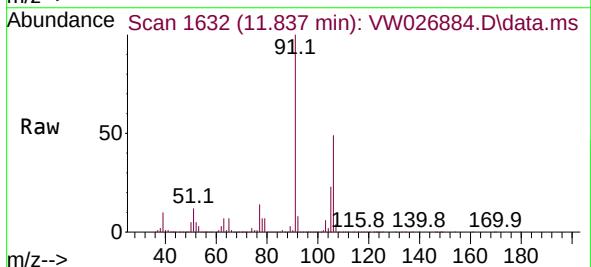
Instrument :
MSVOA_W
ClientSampleId :

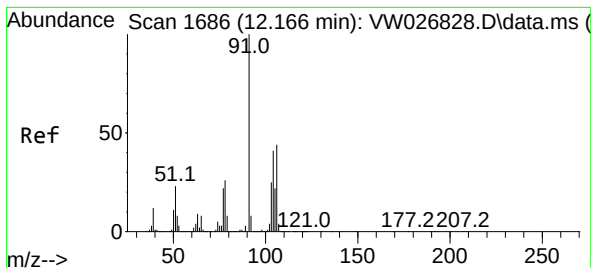
Tgt Ion: 91 Resp: 1505571
Ion Ratio Lower Upper
91 100
106 30.0 20.2 37.6



#53
m,p-Xylene
Concen: 28.851 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion:106 Resp: 553123
Ion Ratio Lower Upper
106 100
91 204.8 152.9 284.1





#54

o-Xylene

Concen: 29.396 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

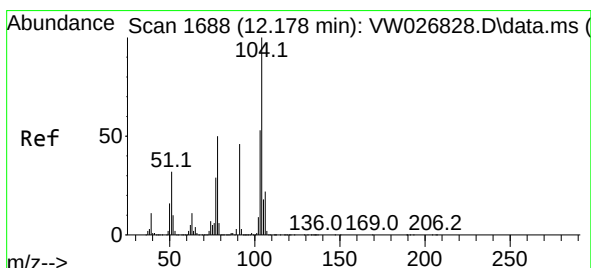
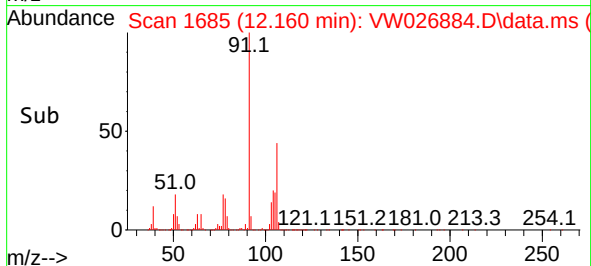
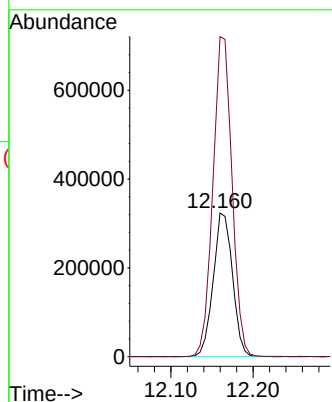
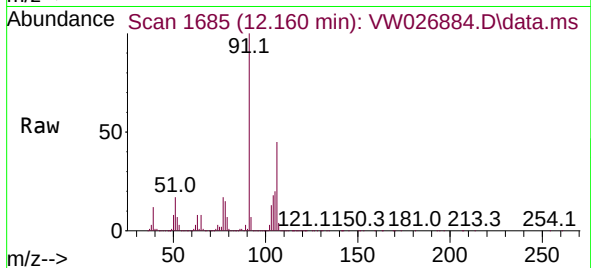
ClientSampleId :

Tgt Ion:106 Resp: 525976

Ion Ratio Lower Upper

106 100

91 222.7 149.9 278.3



#55

Styrene

Concen: 29.633 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW026884.D

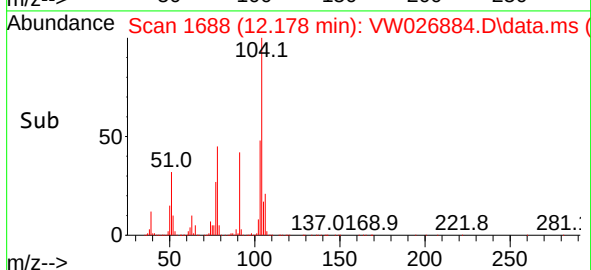
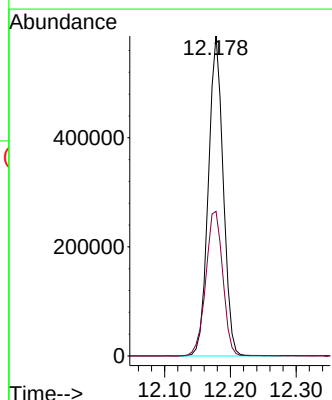
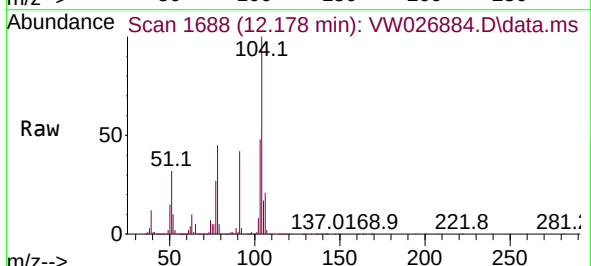
Acq: 25 Aug 2023 10:09

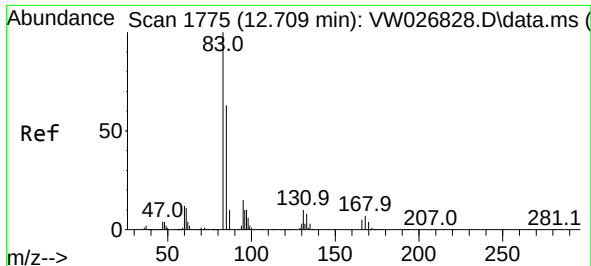
Tgt Ion:104 Resp: 921894

Ion Ratio Lower Upper

104 100

78 45.2 33.0 61.2





#57

1,1,2,2-Tetrachloroethane

Concen: 26.634 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

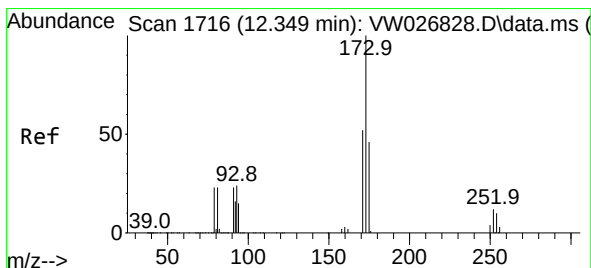
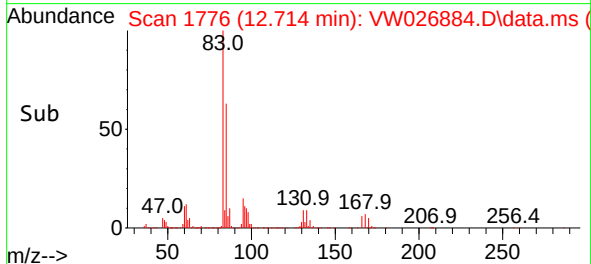
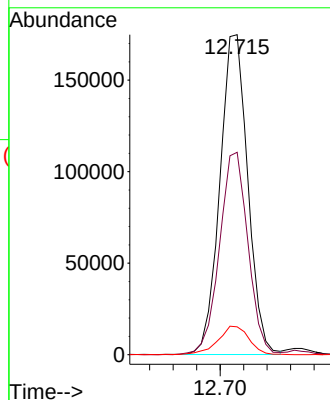
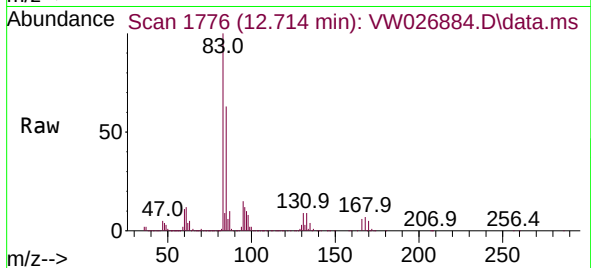
Tgt Ion: 83 Resp: 288252

Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.3

131 8.7 7.4 11.0



#59

Bromoform

Concen: 25.431 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

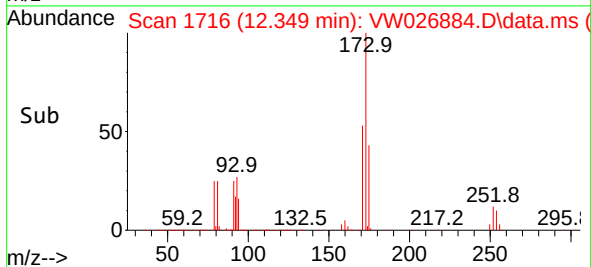
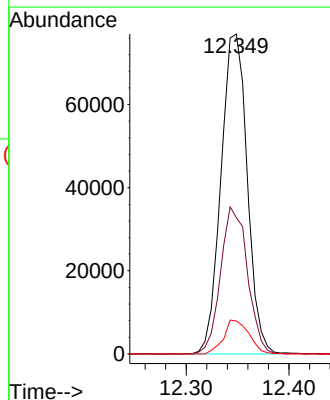
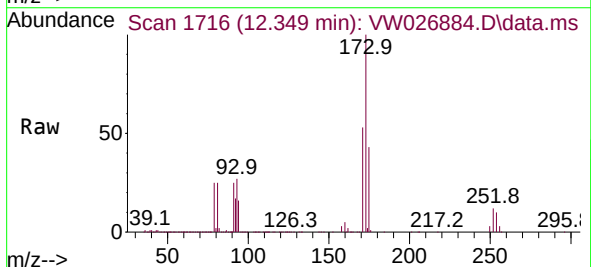
Tgt Ion:173 Resp: 136613

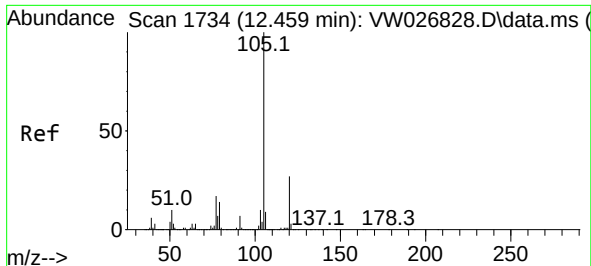
Ion Ratio Lower Upper

173 100

175 46.9 36.6 55.0

254 10.3 7.8 11.6

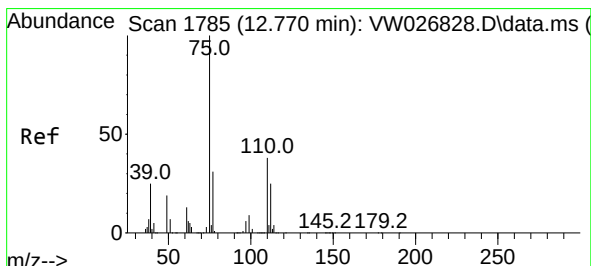
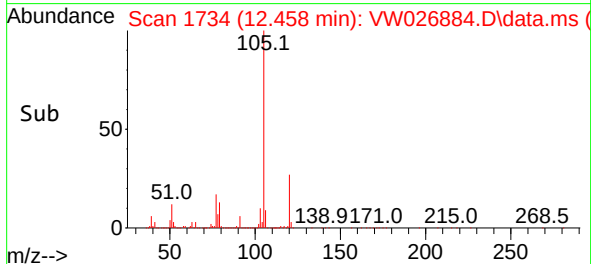
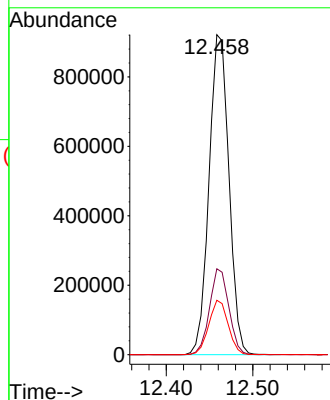
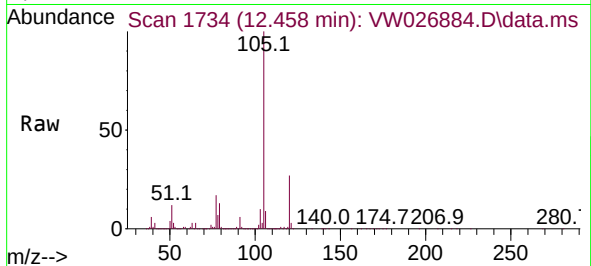




#60
Isopropylbenzene
Concen: 28.829 ug/L
RT: 12.458 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

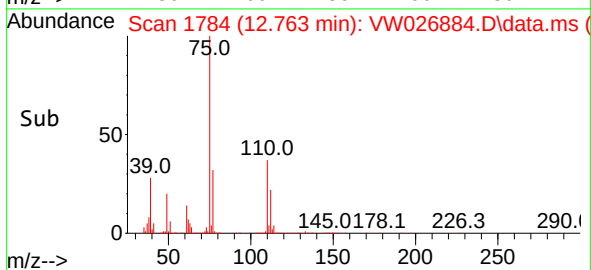
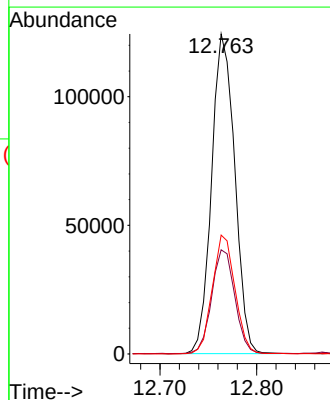
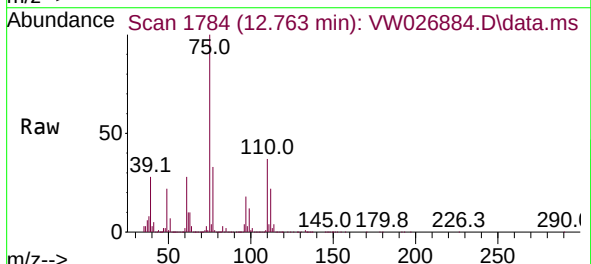
Instrument :
MSVOA_W
ClientSampleId :

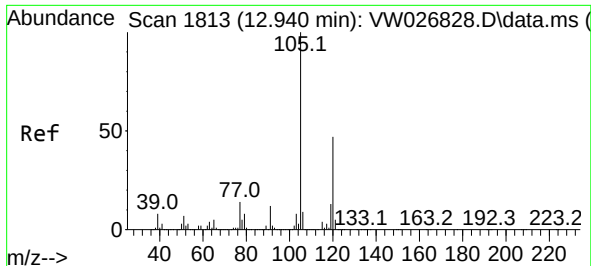
Tgt Ion:105 Resp: 1469827
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.6 13.4 20.2



#61
1,2,3-Trichloropropane
Concen: 24.884 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion: 75 Resp: 206992
Ion Ratio Lower Upper
75 100
77 32.2 26.1 39.1
110 36.4 29.9 44.9

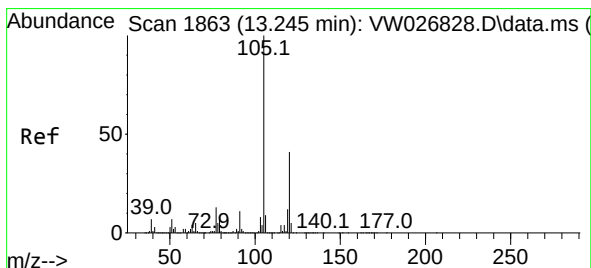
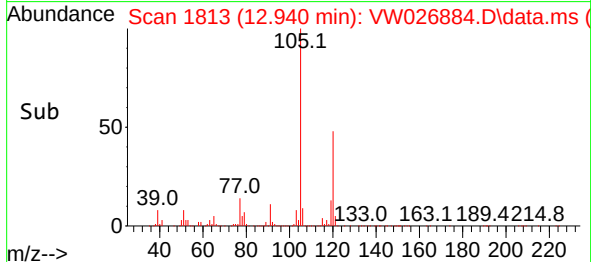
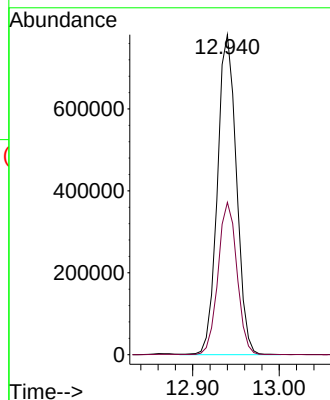
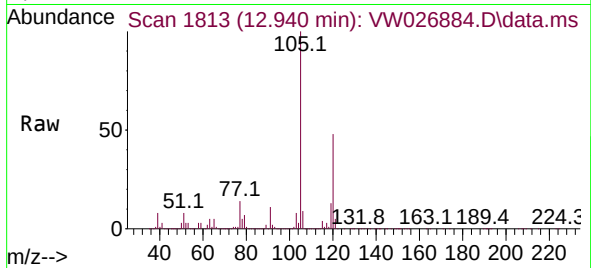




#62
1,3,5-Trimethylbenzene
Concen: 29.569 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

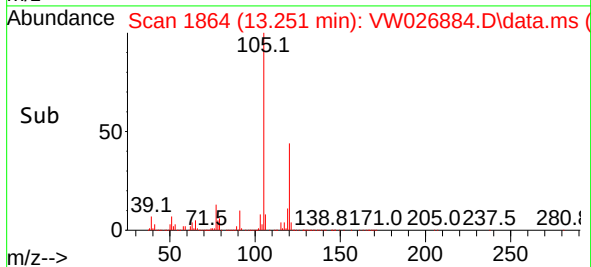
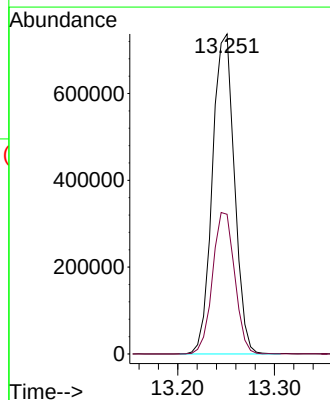
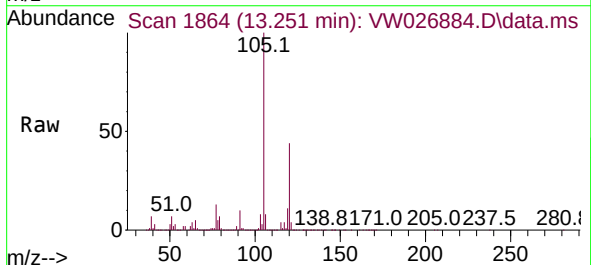
Instrument :
MSVOA_W
ClientSampleId :

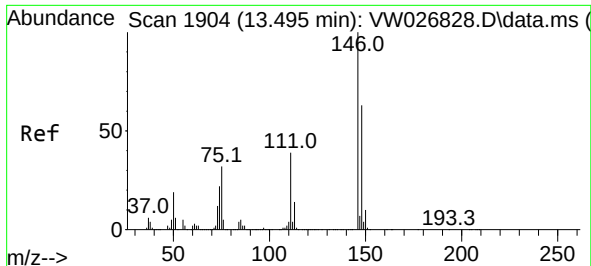
Tgt Ion:105 Resp: 1191602
Ion Ratio Lower Upper
105 100
120 47.2 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 29.493 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion:105 Resp: 1164669
Ion Ratio Lower Upper
105 100
120 44.4 36.2 54.4

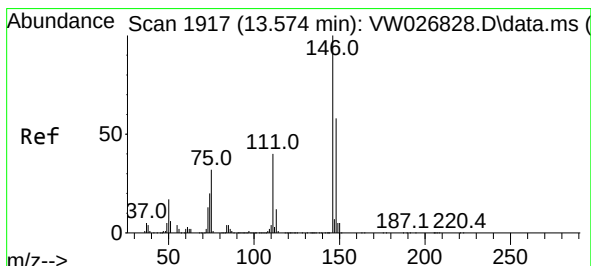
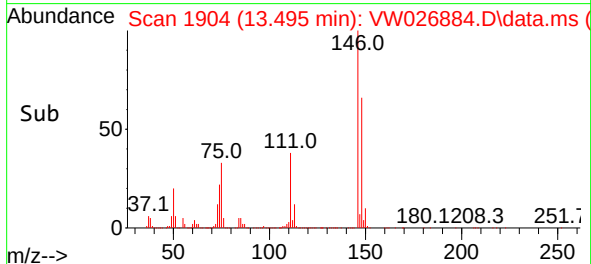
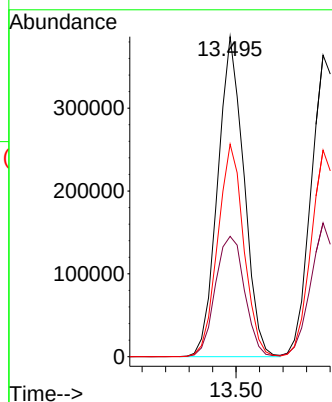
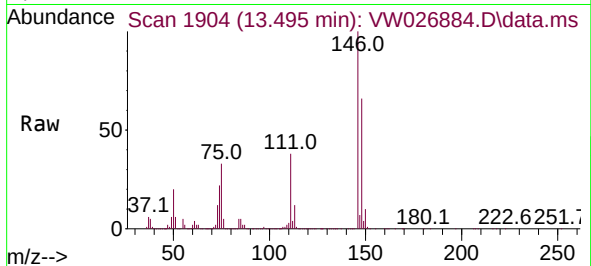




#64
1,3-Dichlorobenzene
Concen: 27.019 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

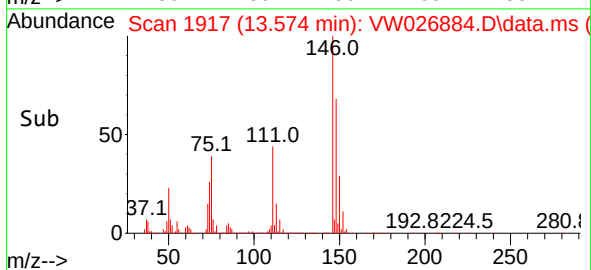
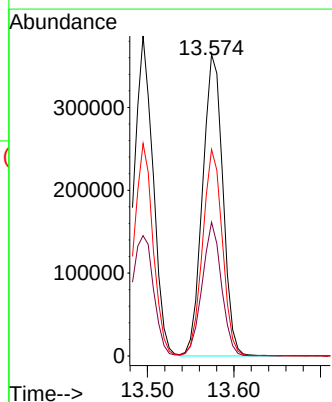
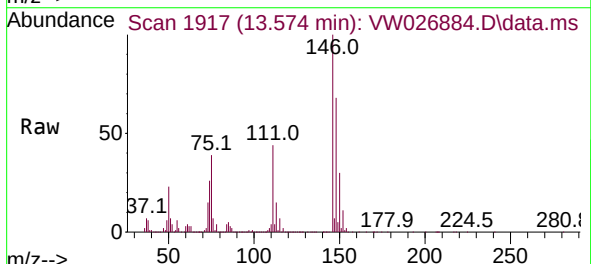
Instrument :
MSVOA_W
ClientSampleId :

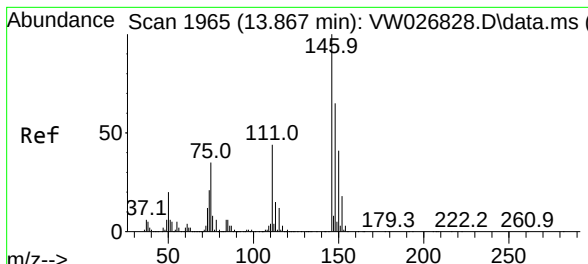
Tgt Ion:146 Resp: 599088
Ion Ratio Lower Upper
146 100
111 37.6 29.1 54.1
148 66.4 38.8 72.0



#65
1,4-Dichlorobenzene
Concen: 25.570 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026884.D
Acq: 25 Aug 2023 10:09

Tgt Ion:146 Resp: 591700
Ion Ratio Lower Upper
146 100
111 44.4 28.3 52.7
148 68.5 44.2 82.2



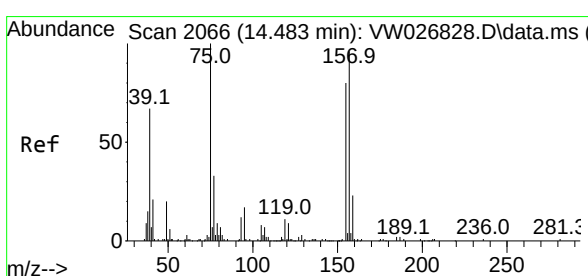
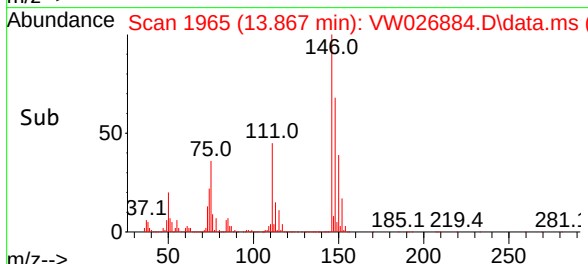
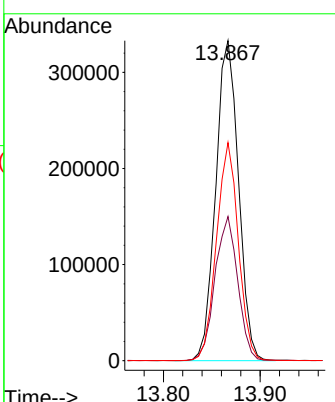
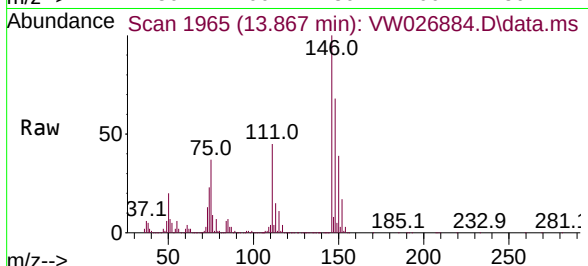


#67
 1,2-Dichlorobenzene
 Concen: 27.026 ug/L
 RT: 13.867 min Scan# 1965
 Delta R.T. 0.000 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

Instrument :
 MSVOA_W
 ClientSampleId :

Tgt Ion:146 Resp: 544939

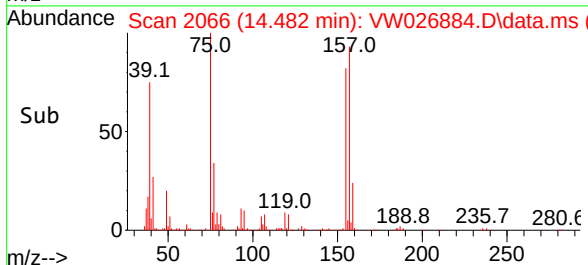
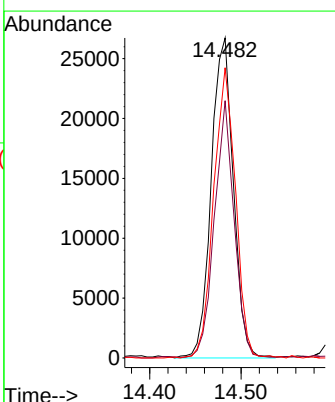
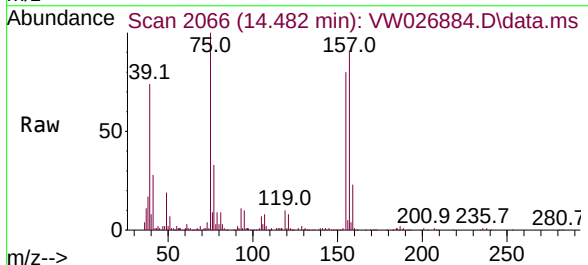
Ion	Ratio	Lower	Upper
146	100		
111	45.0	34.6	52.0
148	68.1	53.4	80.0

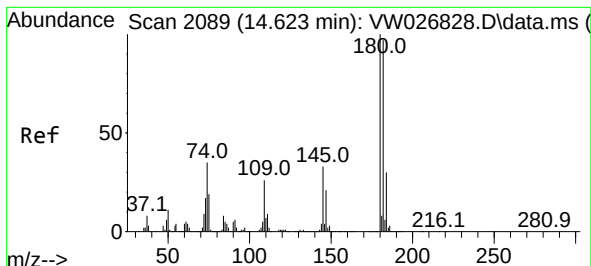


#68
 1,2-Dibromo-3-chloropropane
 Concen: 22.448 ug/L
 RT: 14.482 min Scan# 2066
 Delta R.T. 0.006 min
 Lab File: VW026884.D
 Acq: 25 Aug 2023 10:09

Tgt Ion: 75 Resp: 45017

Ion	Ratio	Lower	Upper
75	100		
155	80.4	55.0	82.6
157	90.7	77.8	116.6





#69

1,3,5-Trichlorobenzene

Concen: 28.068 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 420471

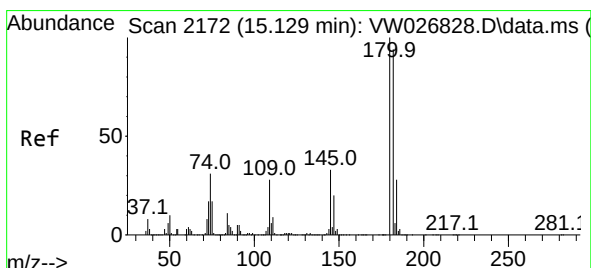
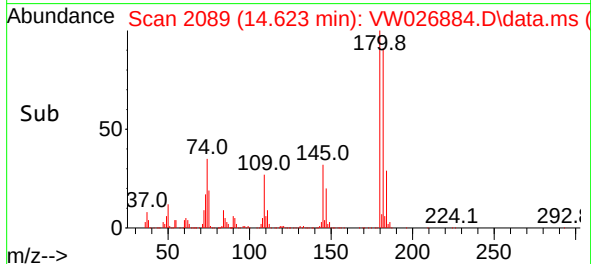
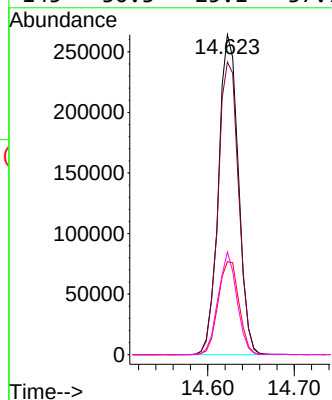
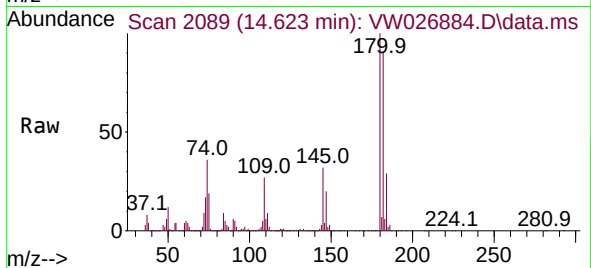
Ion Ratio Lower Upper

180 100

182 94.6 75.2 112.8

184 30.6 23.8 35.8

145 30.3 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 26.402 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

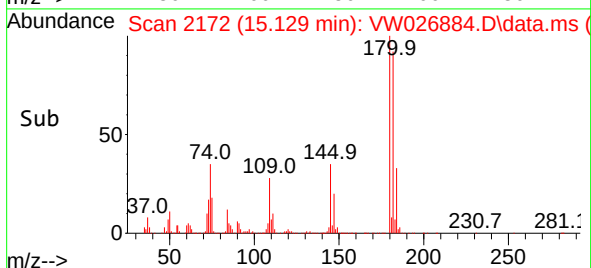
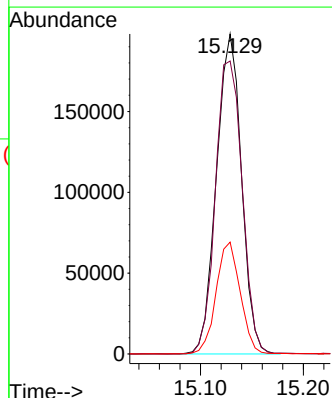
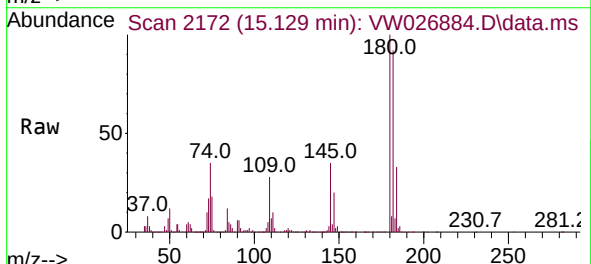
Tgt Ion:180 Resp: 335326

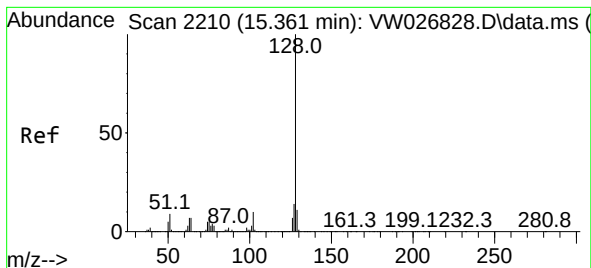
Ion Ratio Lower Upper

180 100

182 97.7 72.5 108.7

145 33.6 24.7 37.1





#71

Naphthalene

Concen: 27.151 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

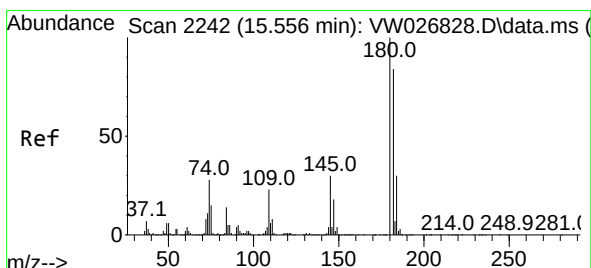
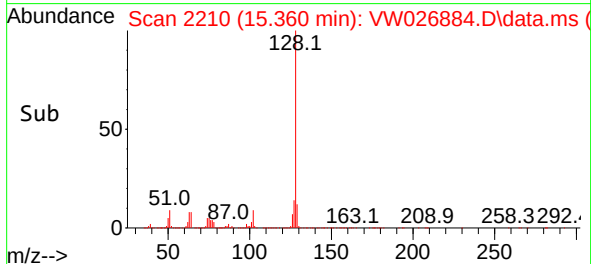
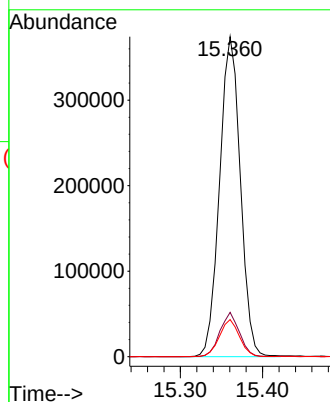
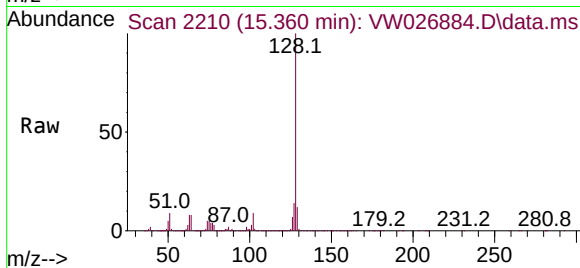
Tgt Ion:128 Resp: 657799

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.2 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 27.786 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026884.D

Acq: 25 Aug 2023 10:09

Tgt Ion:180 Resp: 318307

Ion Ratio Lower Upper

180 100

182 90.9 74.6 112.0

145 32.1 27.0 40.6

