

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081023\
 Data File : VW026676.D
 Acq On : 10 Aug 2023 14:21
 Operator : SY/MD
 Sample : VSTD2.526
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5426

Quant Time: Aug 11 01:29:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 11 01:25:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	508676	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	500828	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	253792	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	21957	2.626	ug/L	0.00
7) Chloroethane-d5	2.991	69	335	0.055	ug/L	0.10
11) 1,1-Dichloroethene-d2	4.021	65	10715	2.605	ug/L	0.00
21) 2-Butanone-d5	7.094	46	8946	3.744	ug/L	0.01
24) Chloroform-d	7.642	84	44813	2.625	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	25124	2.667	ug/L	0.00
32) Benzene-d6	8.276	84	87306	2.529	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.270	67	28350	2.637	ug/L	0.00
41) Toluene-d8	10.325	98	70689	2.386	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.575	79	10600	2.388	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	4519	4.000	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	21101	2.485	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.849	152	23808	2.621	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	14693	2.098	ug/L	98
3) Chloromethane	2.217	50	24031	2.541	ug/L	95
5) Vinyl chloride	2.375	62	22133	2.448	ug/L	96
6) Bromomethane	2.783	94	14214	2.695	ug/L	94
8) Chloroethane	2.930	64	14287	2.637	ug/L	90
9) Trichlorofluoromethane	3.259	101	16971	2.287	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	10948	1.380	ug/L #	42
12) 1,1-Dichloroethene	4.045	96	18913	2.515	ug/L	91
13) Acetone	4.125	43	17562	7.419	ug/L	92
14) Carbon disulfide	4.393	76	70021	2.589	ug/L	99
15) Methyl Acetate	4.679	43	11839	2.473	ug/L	97
16) Methylene chloride	4.923	84	32450	3.298	ug/L	98
17) trans-1,2-Dichloroethene	5.423	96	21466	2.559	ug/L	95
18) Methyl tert-butyl Ether	5.423	73	30209	2.380	ug/L #	89
19) 1,1-Dichloroethane	6.216	63	45297	2.623	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	22695	2.517	ug/L	97
22) 2-Butanone	7.179	43	21028	5.971	ug/L	96
23) Bromochloromethane	7.514	128	10166	2.610	ug/L	95
25) Chloroform	7.679	83	47127	2.825	ug/L	97
27) 1,2-Dichloroethane	8.398	62	31831	2.735	ug/L	98
29) Cyclohexane	7.953	56	34434	2.223	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	34425	2.634	ug/L	99
31) Carbon tetrachloride	8.063	117	30589	2.560	ug/L	92
33) Benzene	8.325	78	94042	2.578	ug/L	100
34) Trichloroethene	9.093	95	23954	2.579	ug/L	92
35) Methylcyclohexane	9.337	83	36388	2.290	ug/L	97
37) 1,2-Dichloropropane	9.368	63	26608	2.663	ug/L	98
38) Bromodichloromethane	9.642	83	31403	2.680	ug/L	92
39) cis-1,3-Dichloropropene	10.075	75	32566	2.266	ug/L	91
40) 4-Methyl-2-pentanone	10.209	43	29665	4.565	ug/L	99
42) Toluene	10.386	91	89182	2.417	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	28005	2.264	ug/L	96

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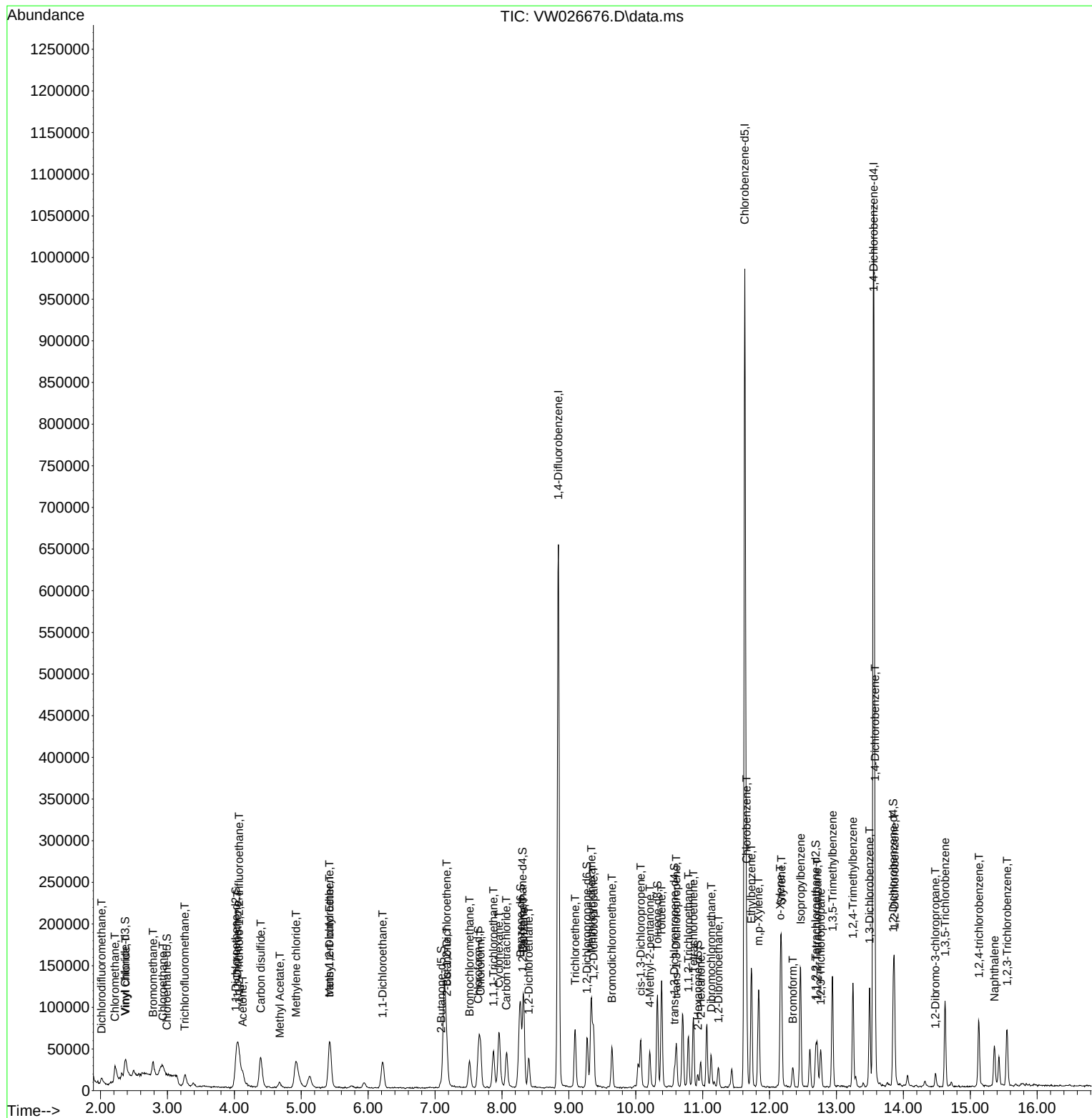
Quant Time: Aug 11 01:29:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 11 01:25:02 2023
 Response via : Initial Calibration

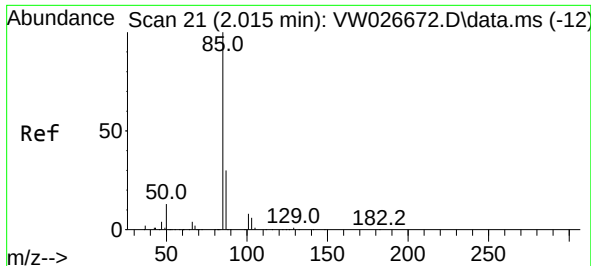
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.788	97	18216	2.666	ug/L	96
46) Tetrachloroethene	10.861	164	17650	2.615	ug/L	91
48) 2-Hexanone	10.971	43	18975	4.291	ug/L	99
49) Dibromochloromethane	11.130	129	18483	2.587	ug/L	89
50) 1,2-Dibromoethane	11.233	107	16398	2.558	ug/L #	88
51) Chlorobenzene	11.654	112	63299	2.716	ug/L	99
52) Ethylbenzene	11.727	91	96959	2.343	ug/L	93
53) m,p-Xylene	11.837	106	35845	2.339	ug/L	92
54) o-Xylene	12.160	106	32369	2.263	ug/L	100
55) Styrene	12.178	104	56536	2.273	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.715	83	23128	2.673	ug/L	97
59) Bromoform	12.349	173	10281	2.586	ug/L	95
60) Isopropylbenzene	12.465	105	87954	2.331	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	16961	2.755	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	65860	2.208	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	64290	2.200	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	42708	2.603	ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	47919	2.798	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	41269	2.766	ug/L #	86
68) 1,2-Dibromo-3-chloropr...	14.477	75	4223	2.868	ug/L	87
69) 1,3,5-Trichlorobenzene	14.623	180	30048	2.710	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	24056	2.559	ug/L	97
71) Naphthalene	15.361	128	40345	2.250	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	22230	2.622	ug/L	98

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

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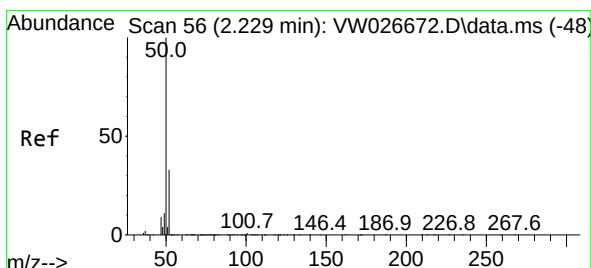
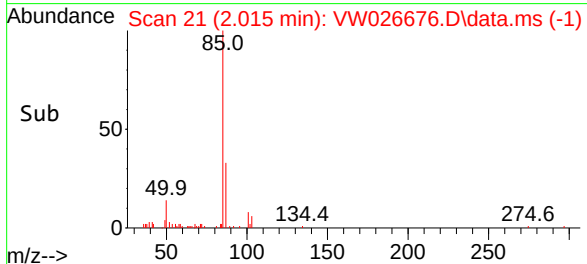
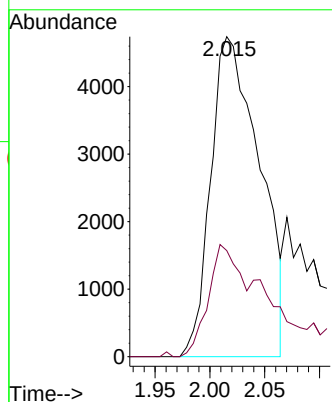
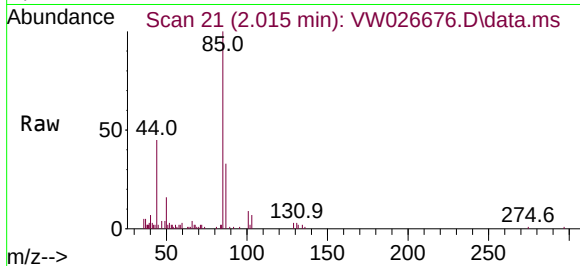




#2
 Dichlorodifluoromethane
 Concen: 2.098 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW026676.D
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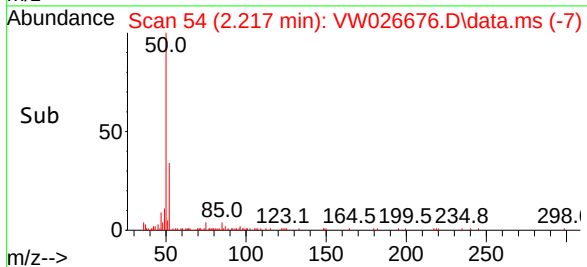
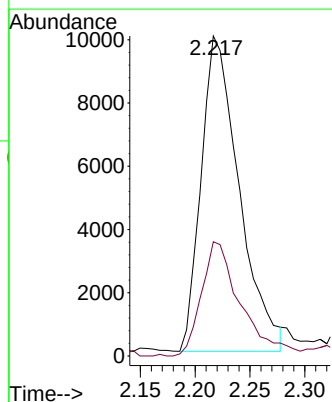
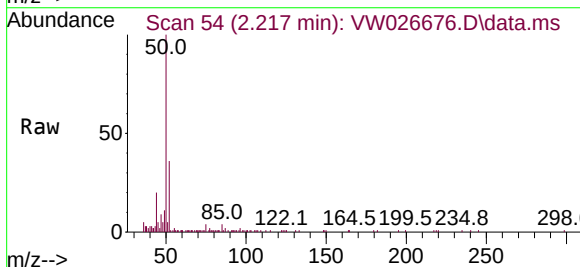
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5426

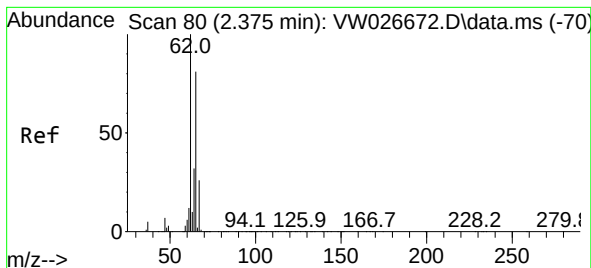
Tgt Ion: 85 Resp: 14693
 Ion Ratio Lower Upper
 85 100
 87 23.6 19.5 29.3



#3
 Chloromethane
 Concen: 2.541 ug/L
 RT: 2.217 min Scan# 54
 Delta R.T. -0.012 min
 Lab File: VW026676.D
 Acq: 10 Aug 2023 14:21

Tgt Ion: 50 Resp: 24031
 Ion Ratio Lower Upper
 50 100
 52 35.7 23.0 42.8





#5

Vinyl chloride

Concen: 2.448 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

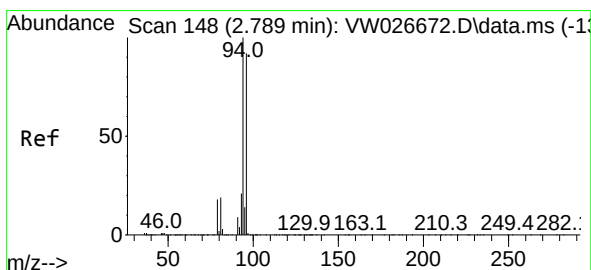
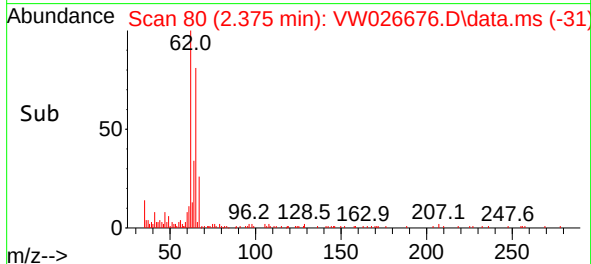
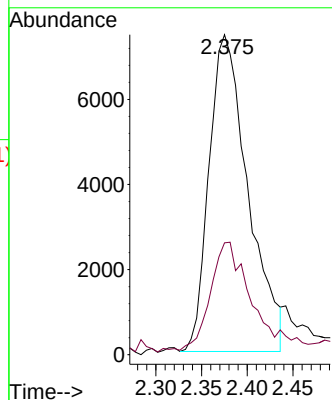
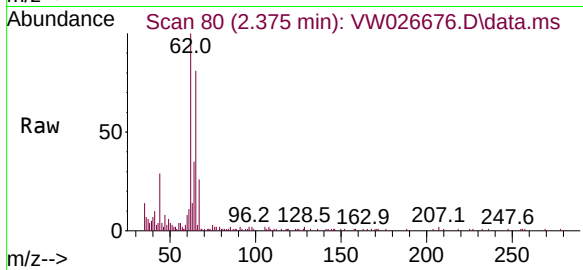
VSTD2.5426

Tgt Ion: 62 Resp: 22133

Ion Ratio Lower Upper

62 100

64 34.9 22.7 42.3



#6

Bromomethane

Concen: 2.695 ug/L

RT: 2.783 min Scan# 147

Delta R.T. -0.006 min

Lab File: VW026676.D

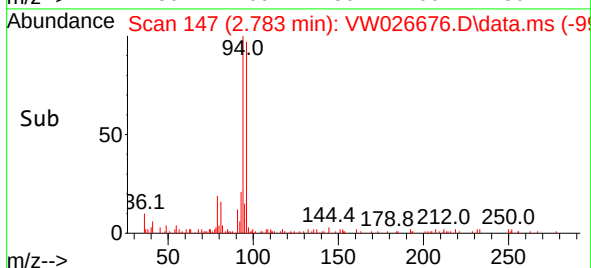
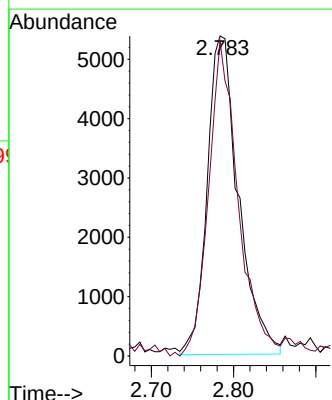
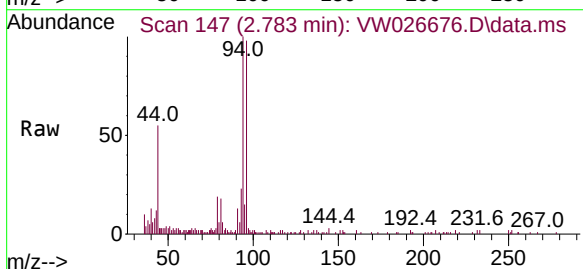
Acq: 10 Aug 2023 14:21

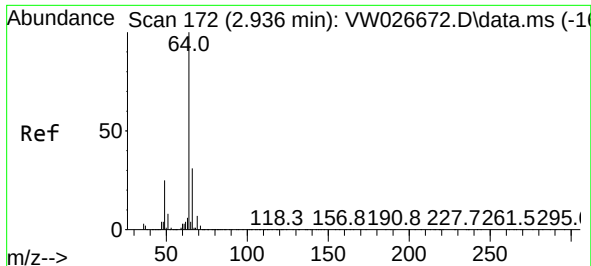
Tgt Ion: 94 Resp: 14214

Ion Ratio Lower Upper

94 100

96 98.4 64.8 120.3

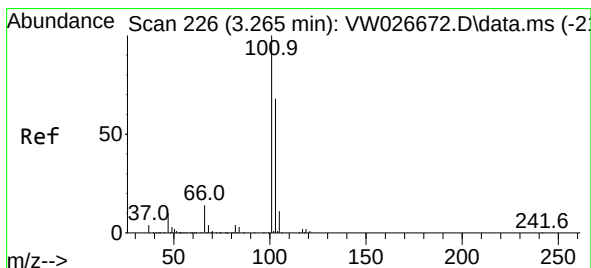
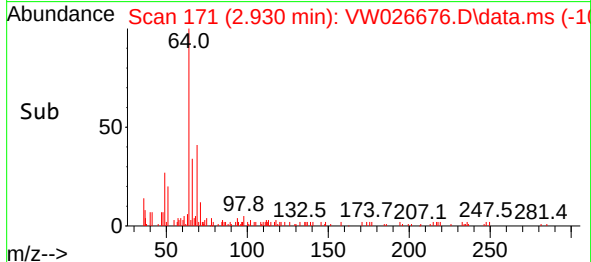
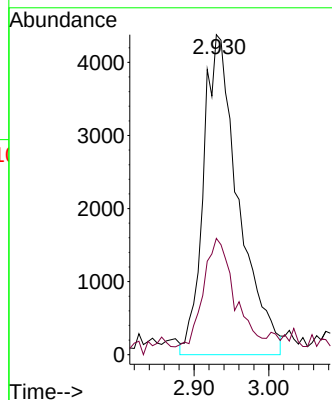
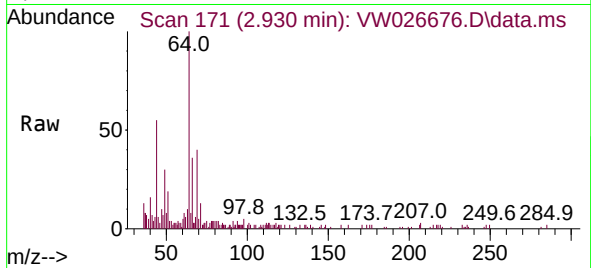




#8
Chloroethane
Concen: 2.637 ug/L
RT: 2.930 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

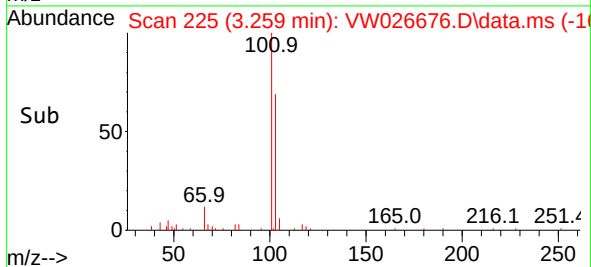
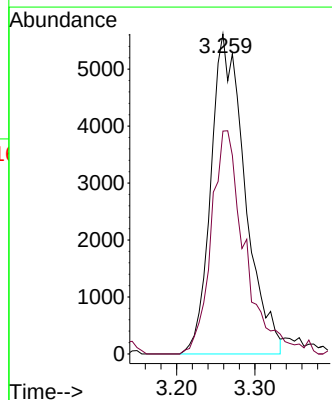
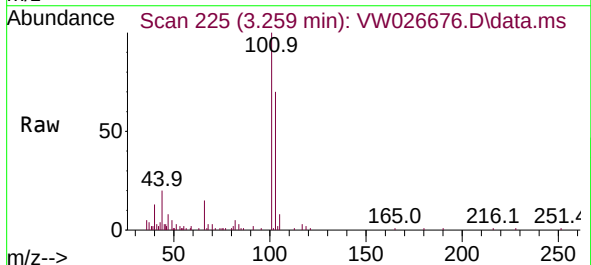
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

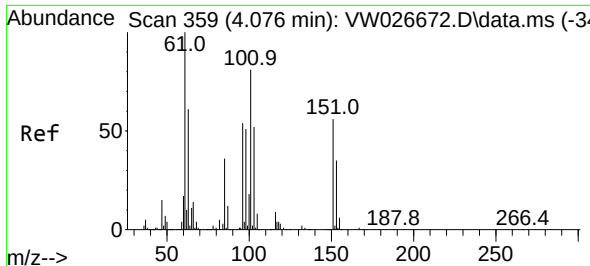
Tgt Ion: 64 Resp: 14287
Ion Ratio Lower Upper
64 100
66 36.4 21.7 40.3



#9
Trichlorofluoromethane
Concen: 2.287 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 101 Resp: 16971
Ion Ratio Lower Upper
101 100
103 62.0 51.9 77.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.380 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

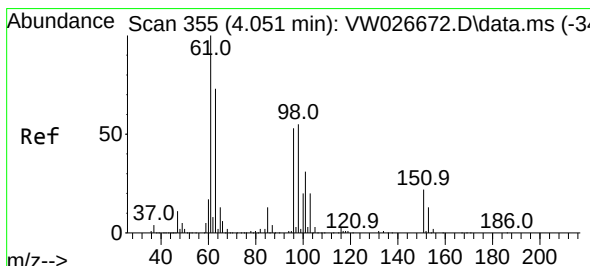
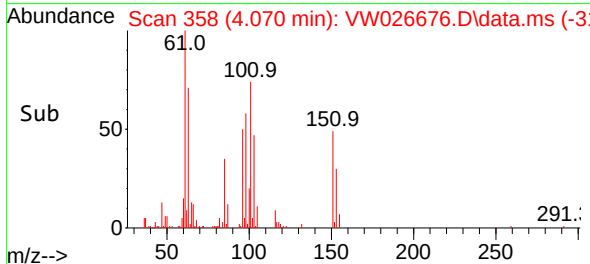
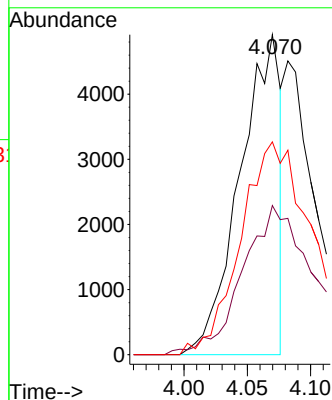
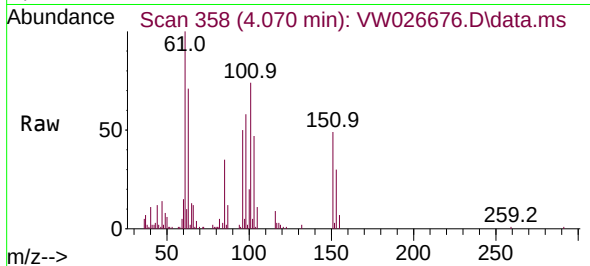
Tgt Ion:101 Resp: 10948

Ion Ratio Lower Upper

101 100

85 81.6 32.8 49.2#

151 111.9 54.4 81.6#



#12

1,1-Dichloroethene

Concen: 2.515 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.006 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

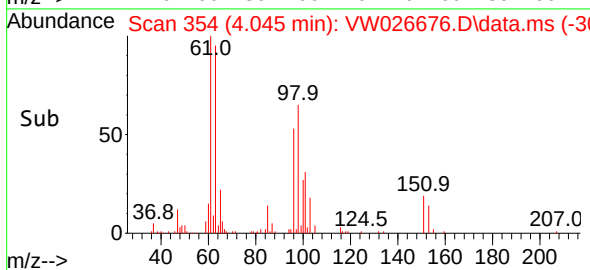
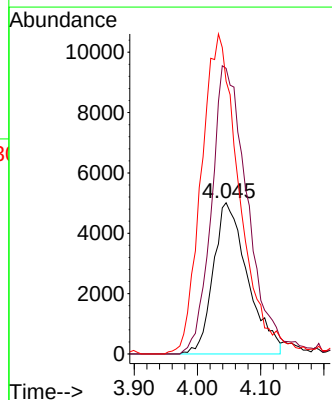
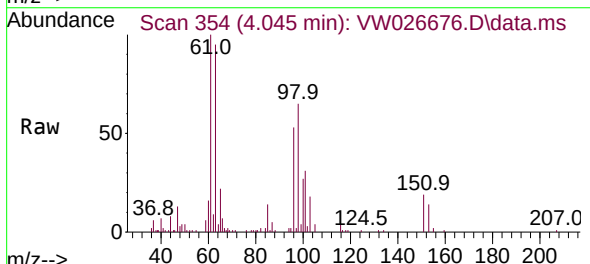
Tgt Ion: 96 Resp: 18913

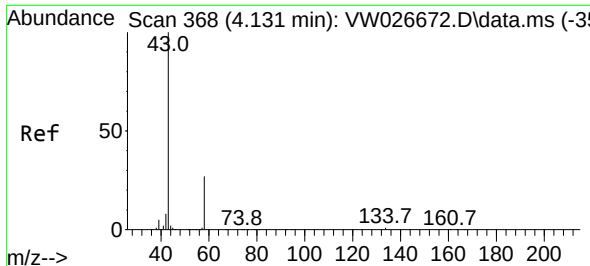
Ion Ratio Lower Upper

96 100

61 188.8 133.2 247.4

63 180.2 109.0 202.4





#13

Acetone

Concen: 7.419 ug/L

RT: 4.125 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

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ClientSampleId :

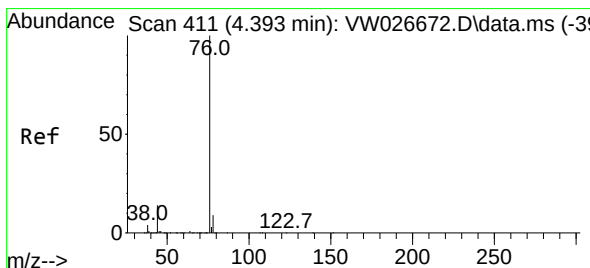
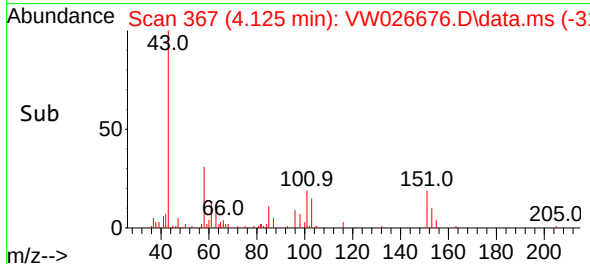
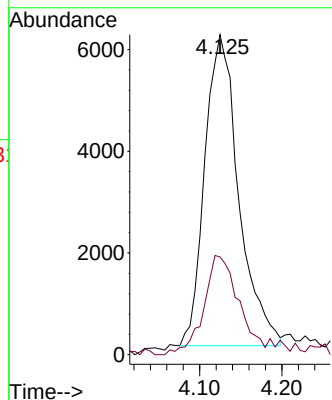
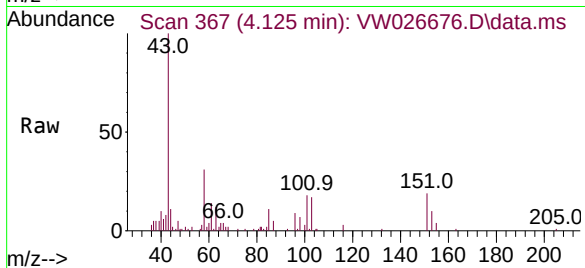
VSTD2.5426

Tgt Ion: 43 Resp: 17562

Ion Ratio Lower Upper

43 100

58 32.8 0.0 57.4



#14

Carbon disulfide

Concen: 2.589 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.000 min

Lab File: VW026676.D

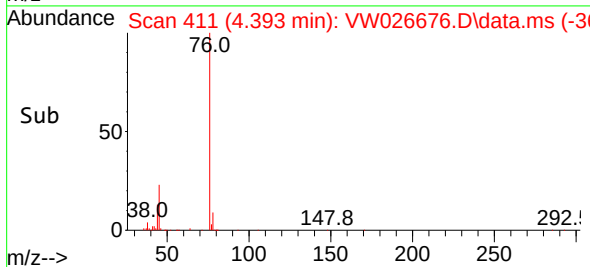
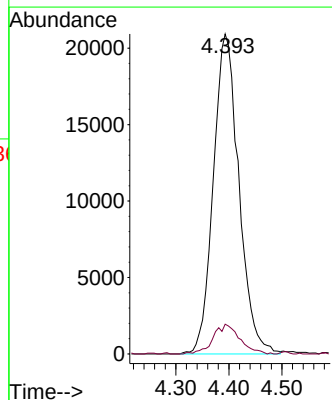
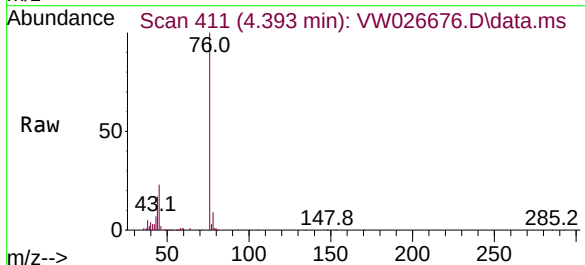
Acq: 10 Aug 2023 14:21

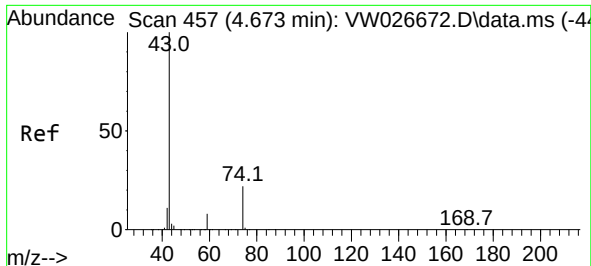
Tgt Ion: 76 Resp: 70021

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

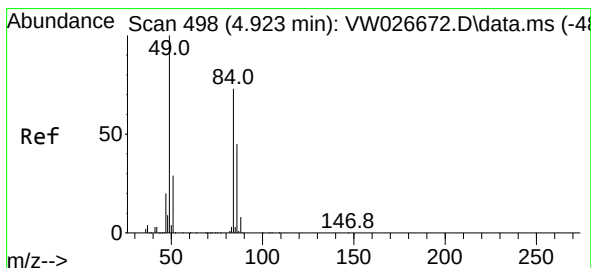
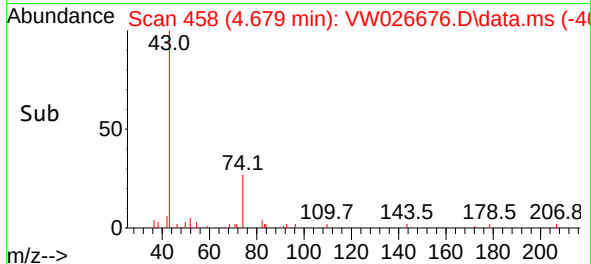
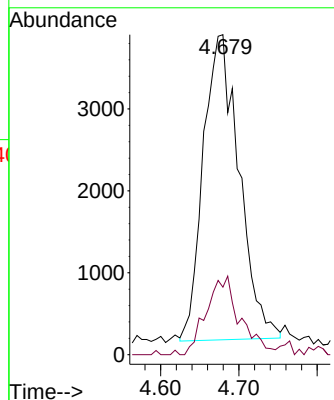
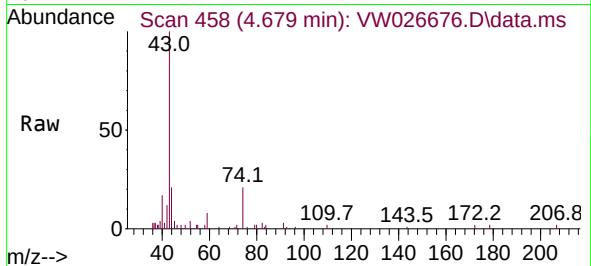




#15
Methyl Acetate
Concen: 2.473 ug/L
RT: 4.679 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

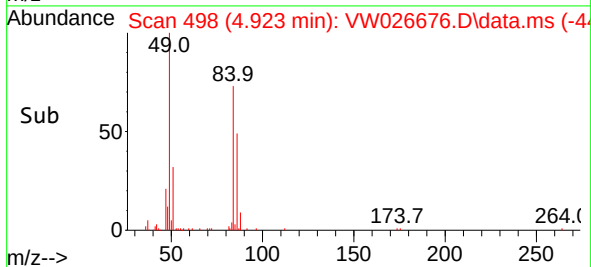
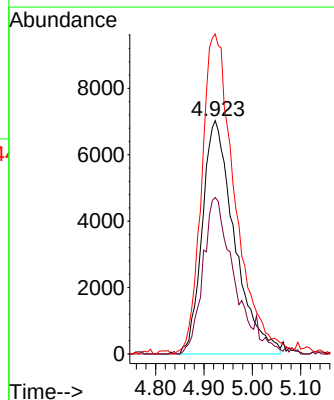
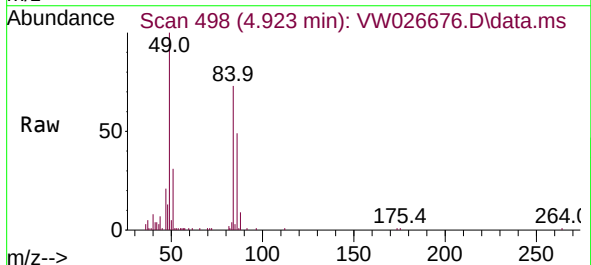
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

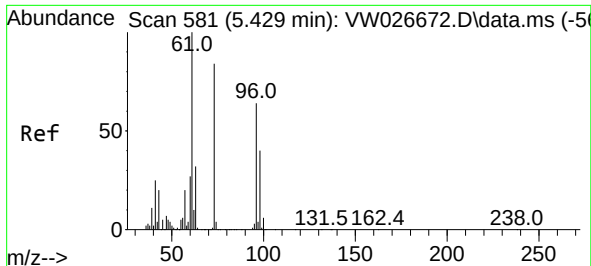
Tgt Ion: 43 Resp: 11839
Ion Ratio Lower Upper
43 100
74 19.0 16.4 24.6



#16
Methylene chloride
Concen: 3.298 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 84 Resp: 32450
Ion Ratio Lower Upper
84 100
86 67.0 43.5 80.9
49 137.1 96.0 178.2

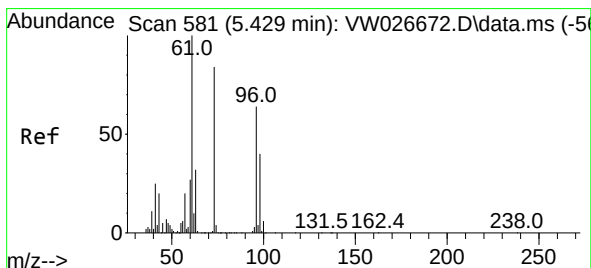
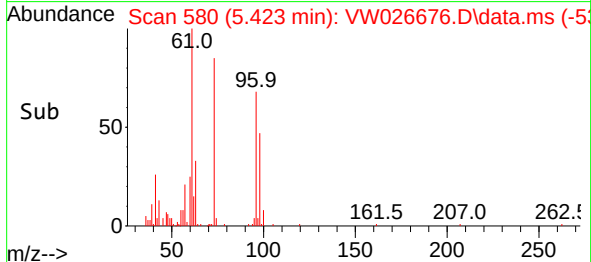
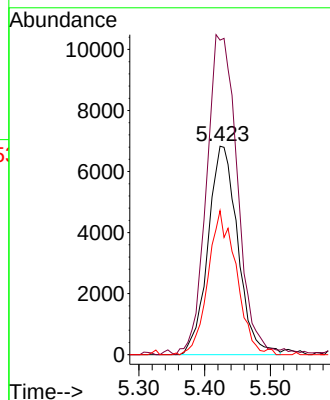
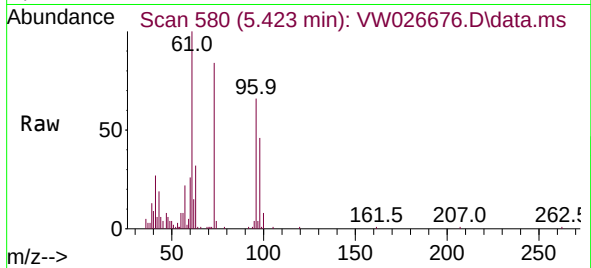




#17
trans-1,2-Dichloroethene
Concen: 2.559 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

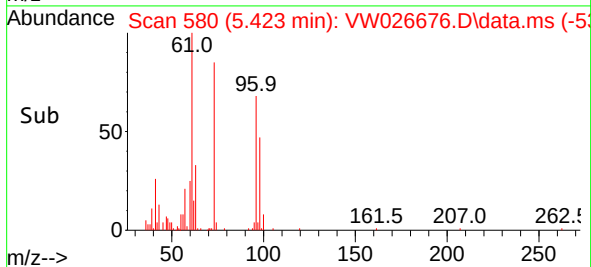
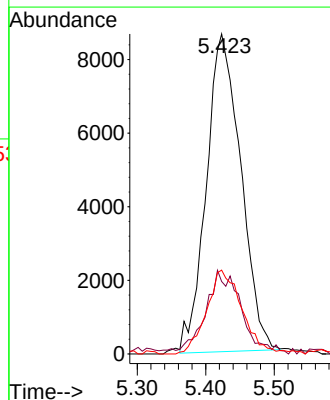
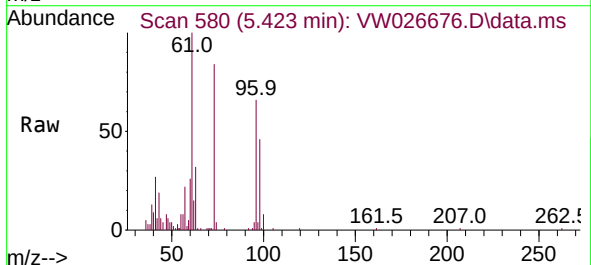
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

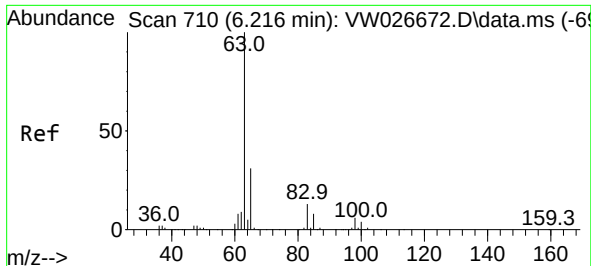
Tgt Ion: 96 Resp: 21466
Ion Ratio Lower Upper
96 100
61 151.0 109.4 203.2
98 69.1 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 2.380 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 73 Resp: 30209
Ion Ratio Lower Upper
73 100
43 14.2 18.0 27.0#
57 26.7 19.3 28.9





#19

1,1-Dichloroethane

Concen: 2.623 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026676.D

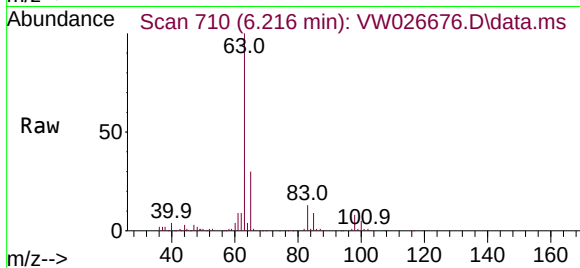
Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426



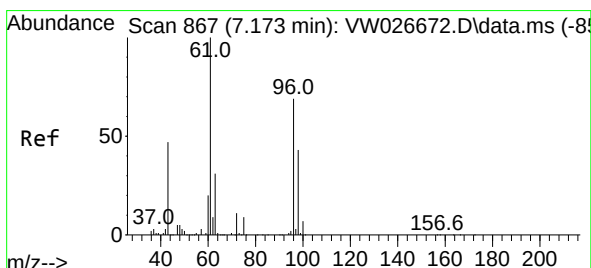
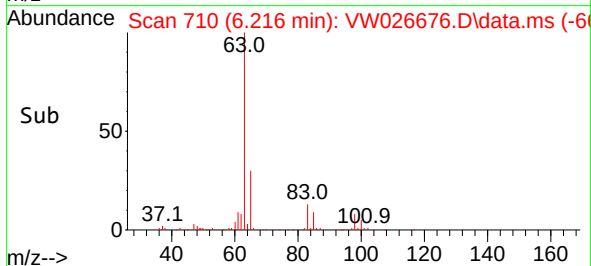
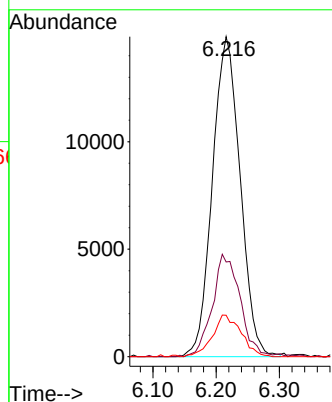
Tgt Ion: 63 Resp: 45297

Ion Ratio Lower Upper

63 100

65 29.6 21.8 40.6

83 13.0 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 2.517 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

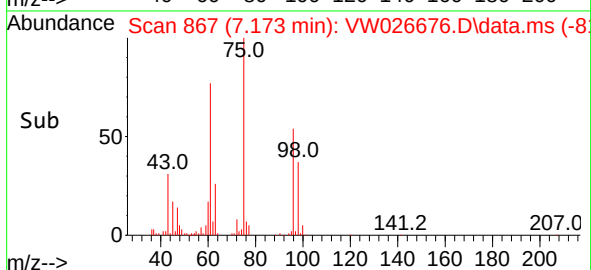
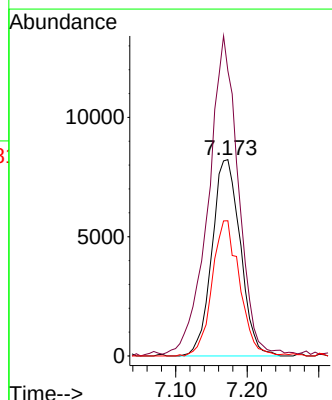
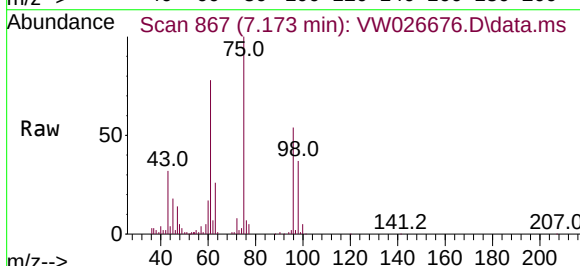
Tgt Ion: 96 Resp: 22695

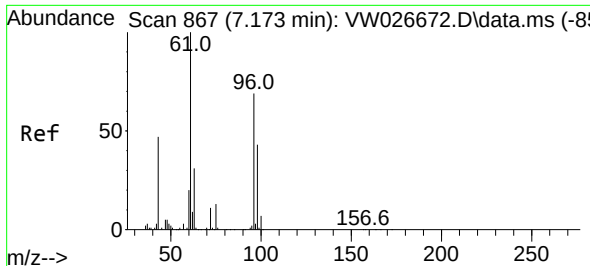
Ion Ratio Lower Upper

96 100

61 145.2 101.2 188.0

98 68.8 43.8 81.3

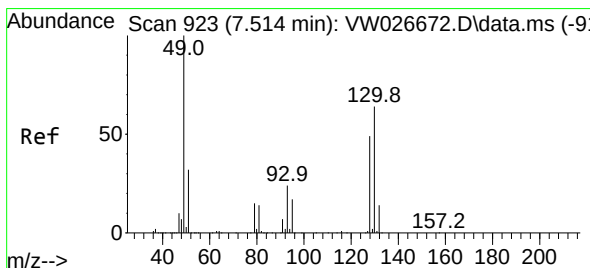
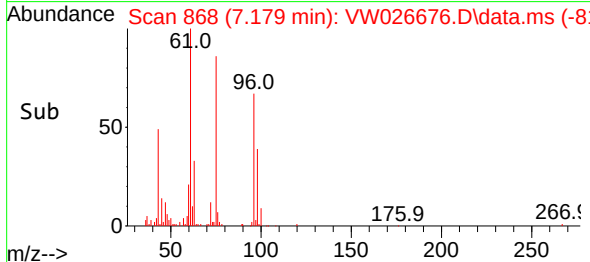
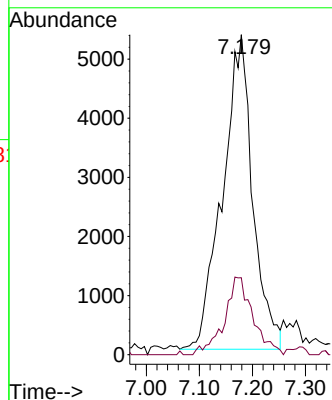
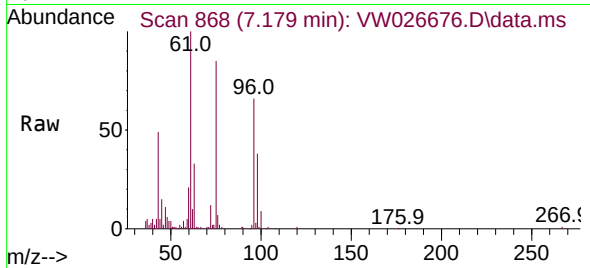




#22
2-Butanone
Concen: 5.971 ug/L
RT: 7.179 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

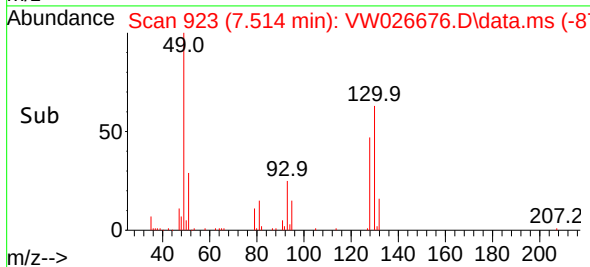
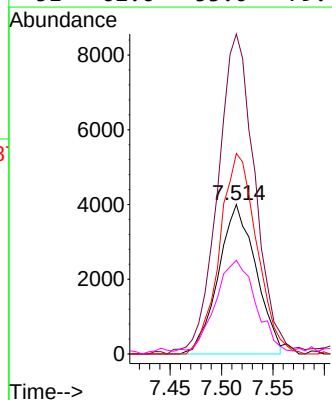
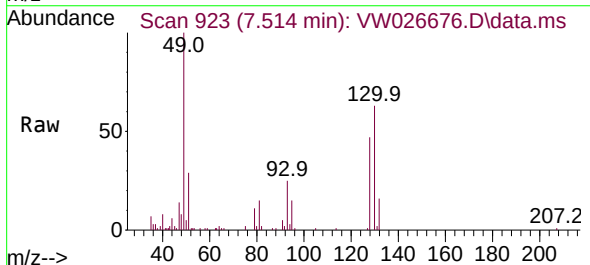
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

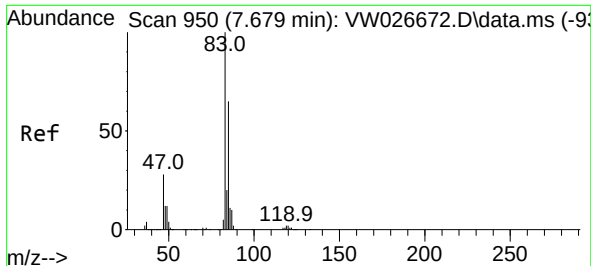
Tgt Ion: 43 Resp: 21028
Ion Ratio Lower Upper
43 100
72 21.4 11.8 35.4



#23
Bromochloromethane
Concen: 2.610 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 128 Resp: 10166
Ion Ratio Lower Upper
128 100
49 214.2 143.1 265.7
130 134.2 91.8 170.4
51 62.6 53.0 79.4

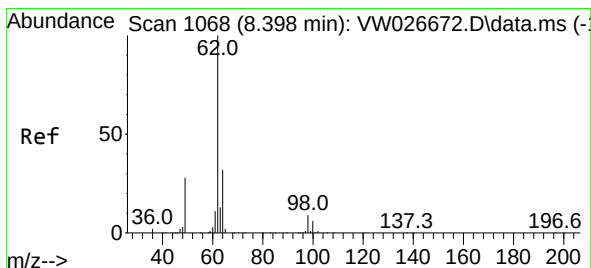
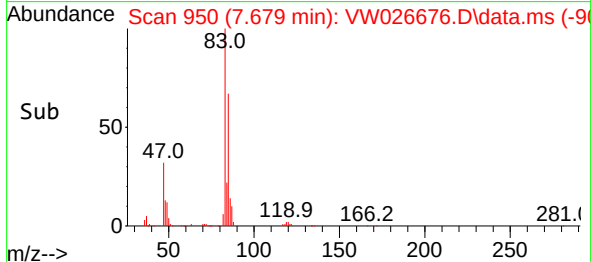
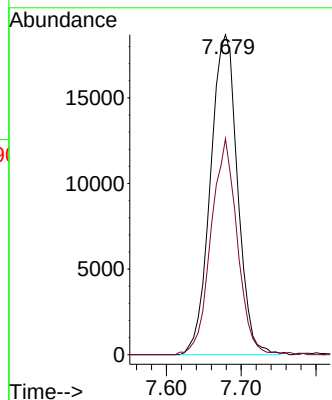
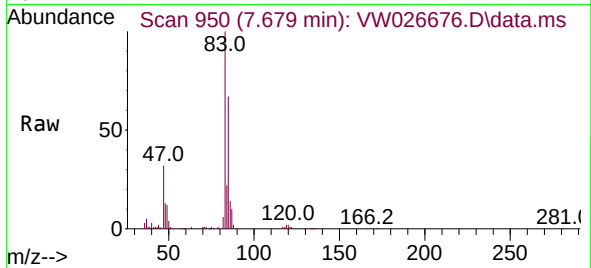




#25
Chloroform
Concen: 2.825 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

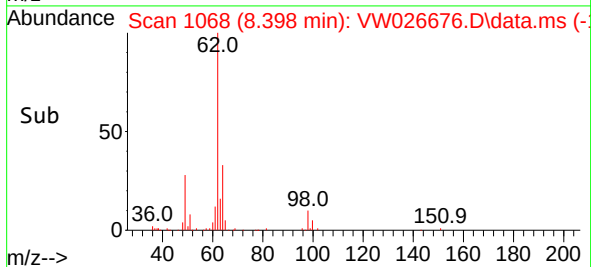
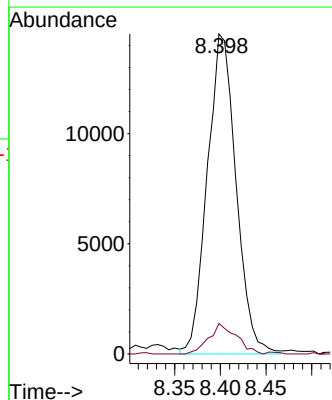
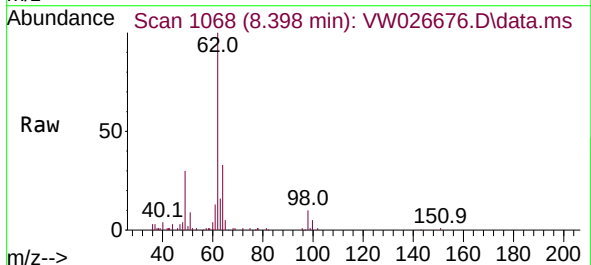
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

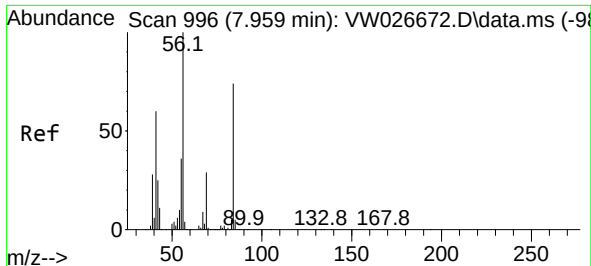
Tgt Ion: 83 Resp: 47127
Ion Ratio Lower Upper
83 100
85 67.5 45.4 84.2



#27
1,2-Dichloroethane
Concen: 2.735 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 62 Resp: 31831
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7

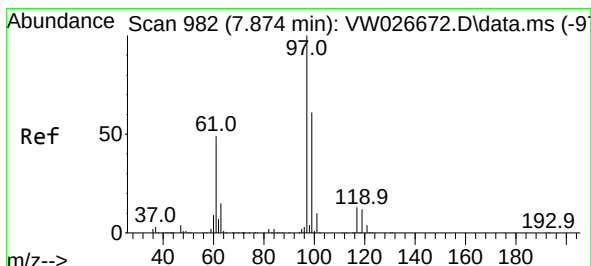
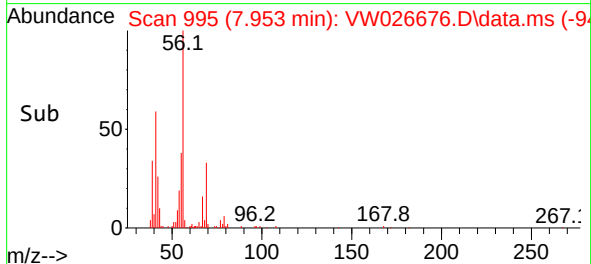
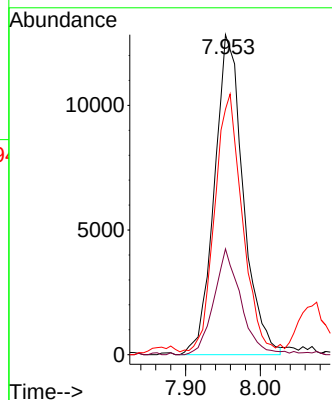
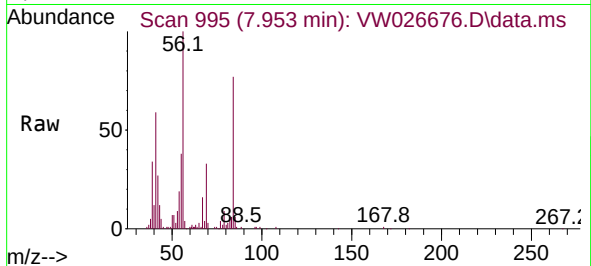




#29
Cyclohexane
Concen: 2.223 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

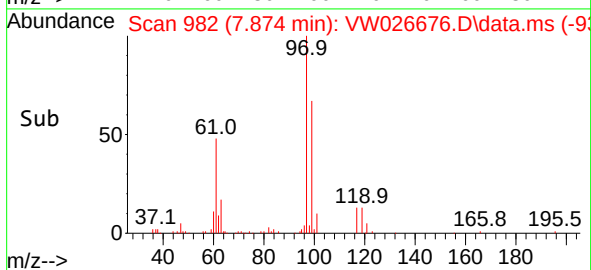
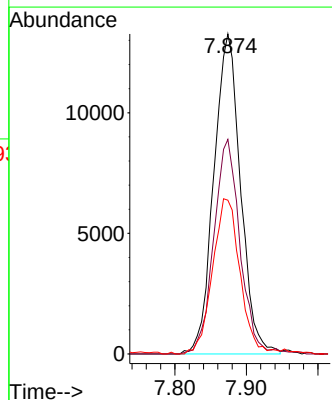
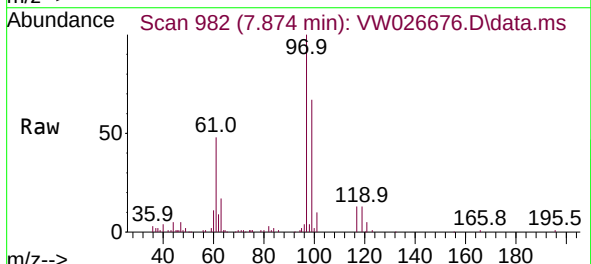
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

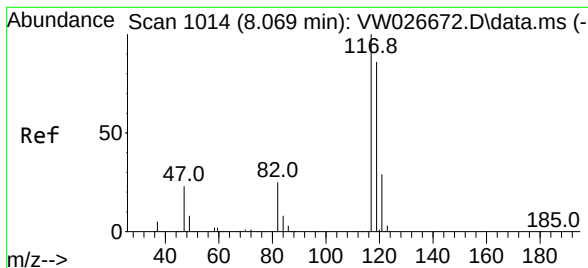
Tgt Ion:	56	Resp:	34434
Ion Ratio	Lower	Upper	
56	100		
69	30.7	23.2	34.8
84	79.5	62.7	94.1



#30
1,1,1-Trichloroethane
Concen: 2.634 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion:	97	Resp:	34425
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.2	76.8
61	49.4	39.2	58.8

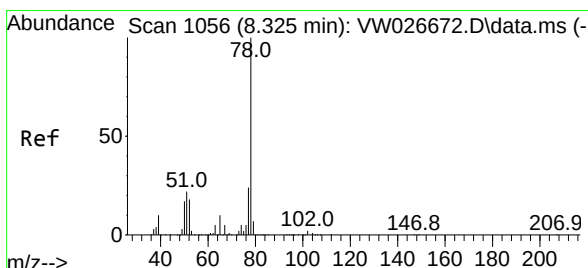
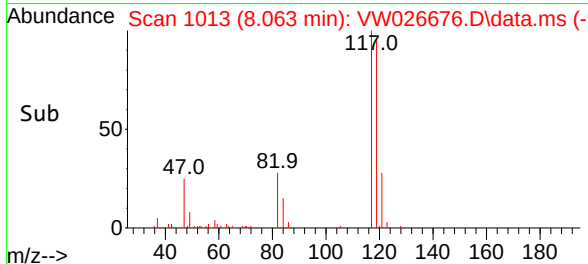
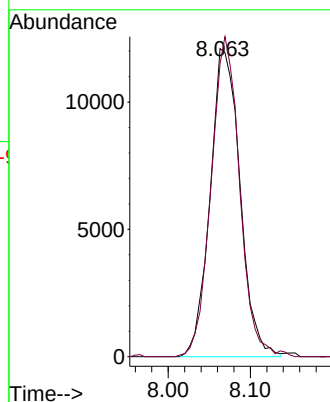
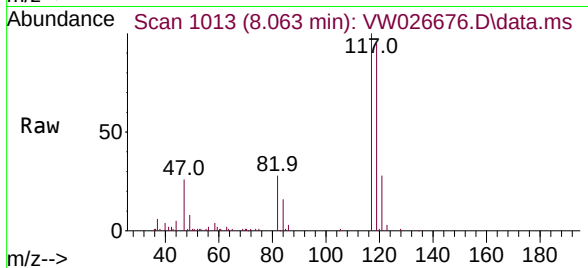




#31
Carbon tetrachloride
Concen: 2.560 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

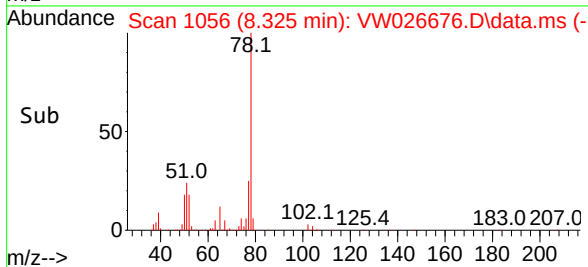
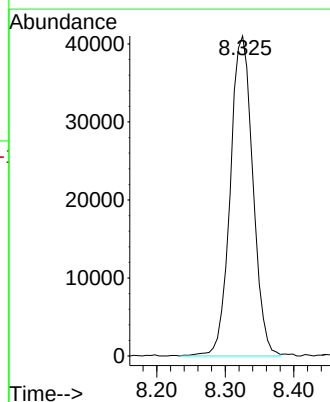
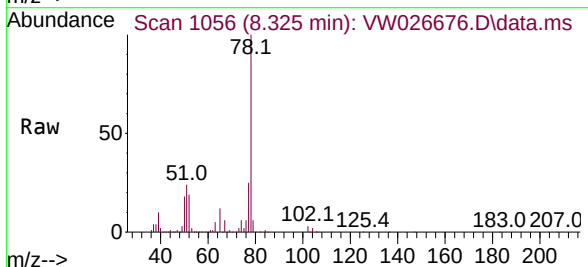
Instrument : MSVOA_W
ClientSampleId : VSTD2.5426

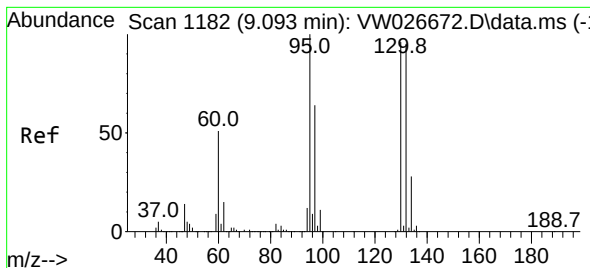
Tgt Ion:117 Resp: 30589
Ion Ratio Lower Upper
117 100
119 98.6 73.0 109.4



#33
Benzene
Concen: 2.578 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 78 Resp: 94042





#34

Trichloroethene

Concen: 2.579 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

Tgt Ion: 95 Resp: 23954

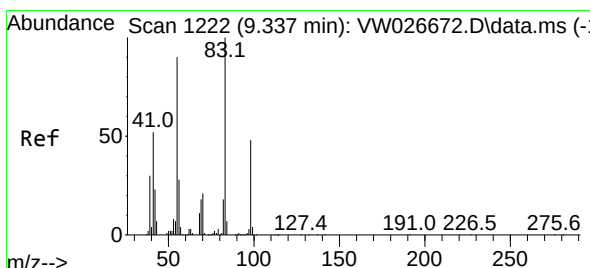
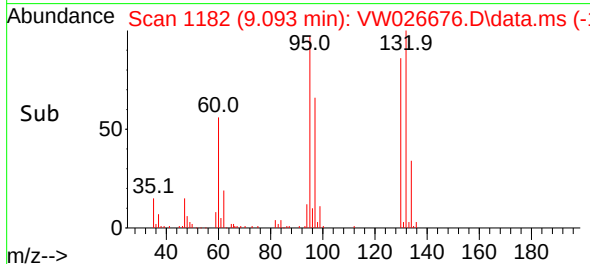
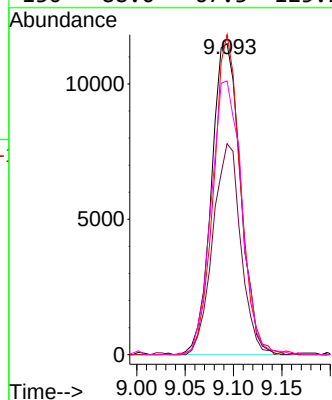
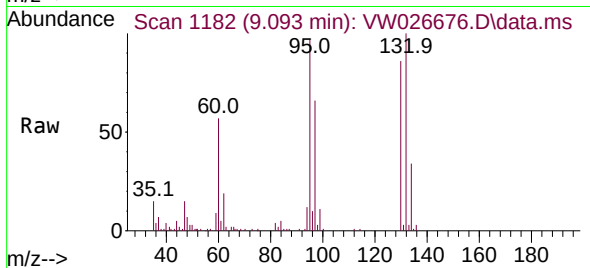
Ion Ratio Lower Upper

95 100

97 67.8 44.6 82.8

132 102.9 66.4 123.2

130 88.0 67.3 125.1



#35

Methylcyclohexane

Concen: 2.290 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

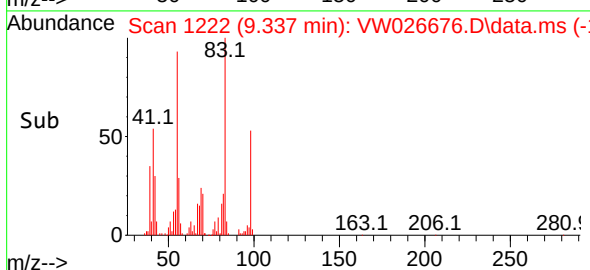
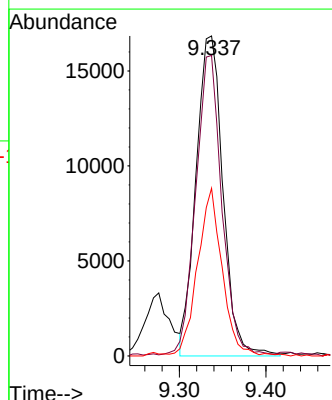
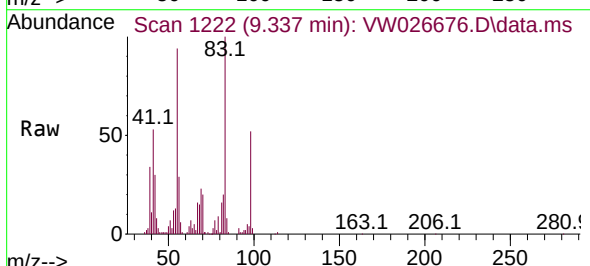
Tgt Ion: 83 Resp: 36388

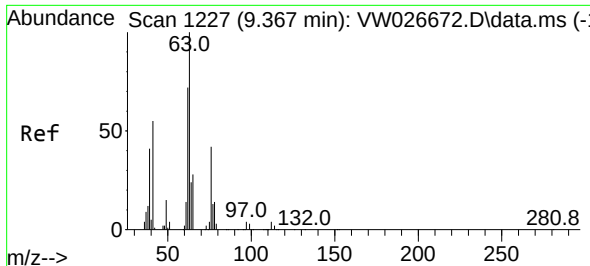
Ion Ratio Lower Upper

83 100

55 89.8 69.3 103.9

98 47.6 37.4 56.0





#37

1,2-Dichloropropane

Concen: 2.663 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

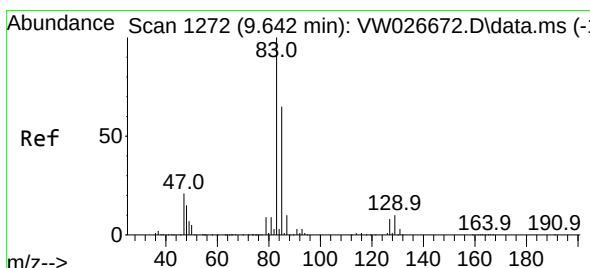
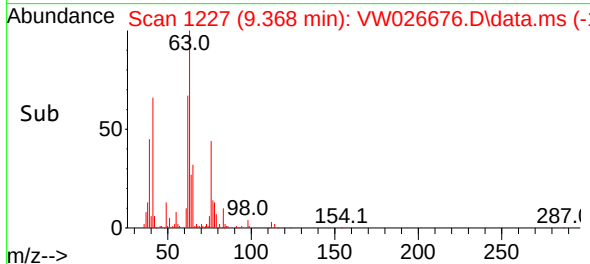
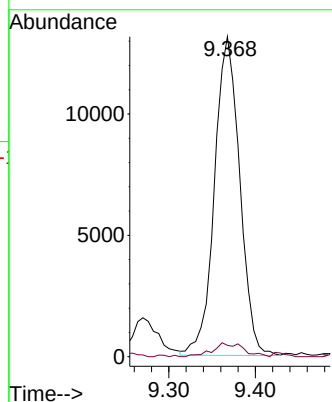
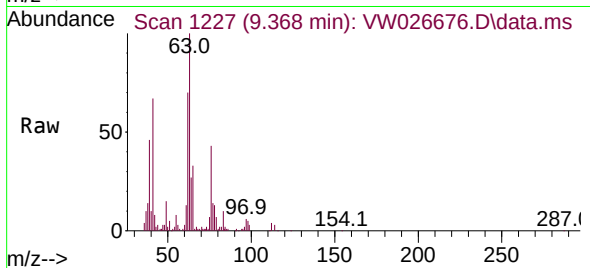
VSTD2.5426

Tgt Ion: 63 Resp: 26608

Ion Ratio Lower Upper

63 100

112 3.2 3.1 4.7



#38

Bromodichloromethane

Concen: 2.680 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

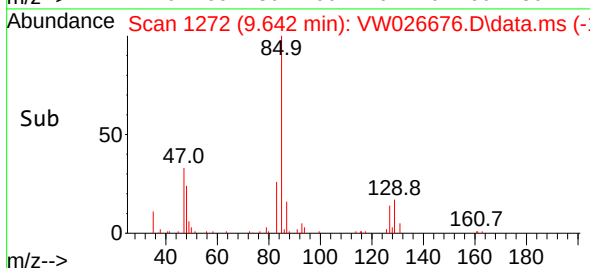
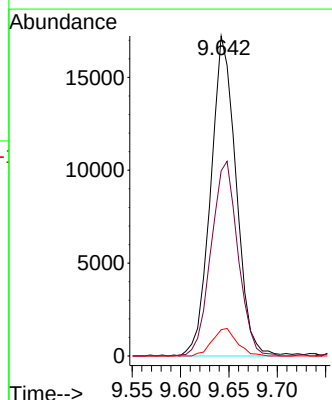
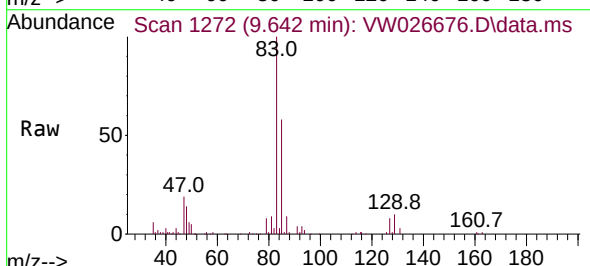
Tgt Ion: 83 Resp: 31403

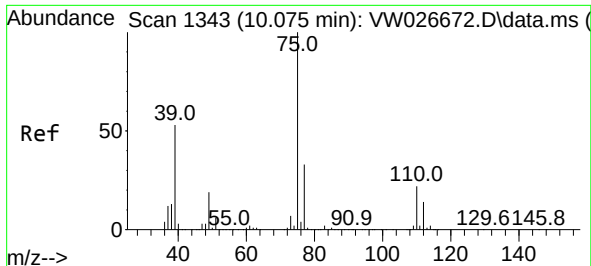
Ion Ratio Lower Upper

83 100

85 57.9 45.4 84.2

127 8.2 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 2.266 ug/L

RT: 10.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

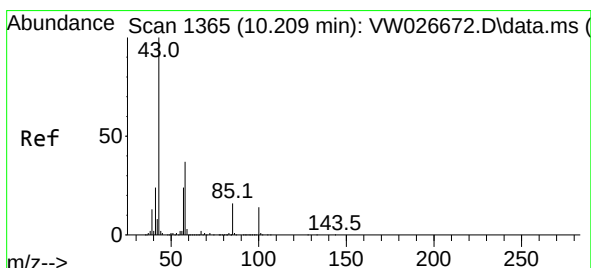
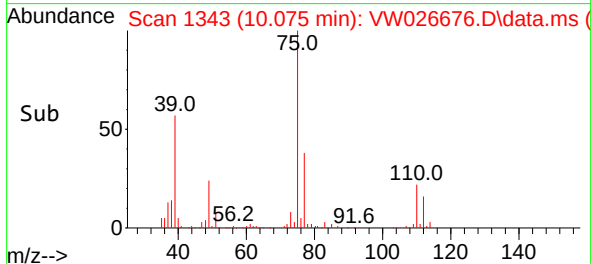
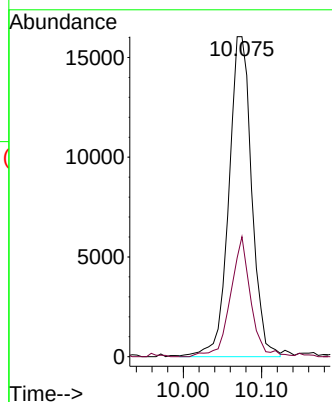
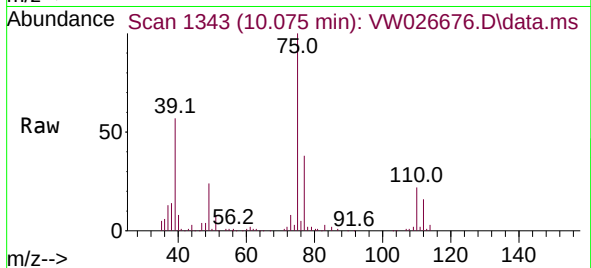
VSTD2.5426

Tgt Ion: 75 Resp: 32566

Ion Ratio Lower Upper

75 100

77 37.5 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 4.565 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

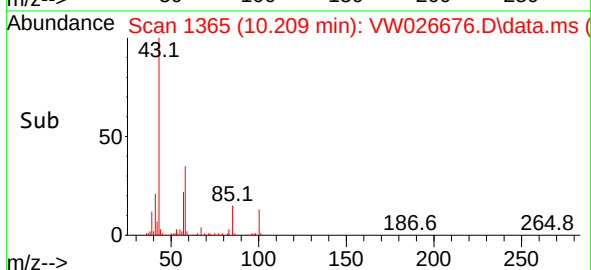
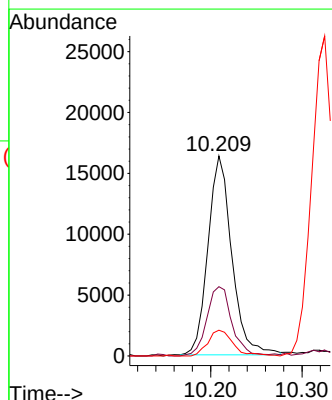
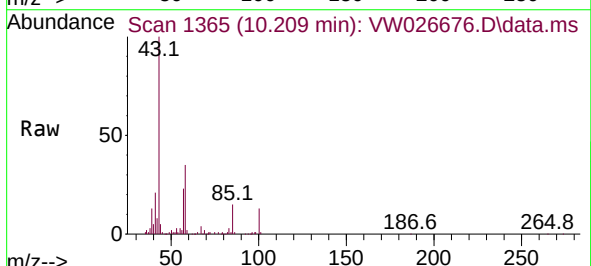
Tgt Ion: 43 Resp: 29665

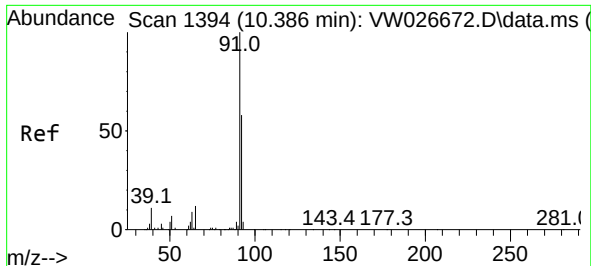
Ion Ratio Lower Upper

43 100

58 35.7 29.2 43.8

100 12.8 10.7 16.1

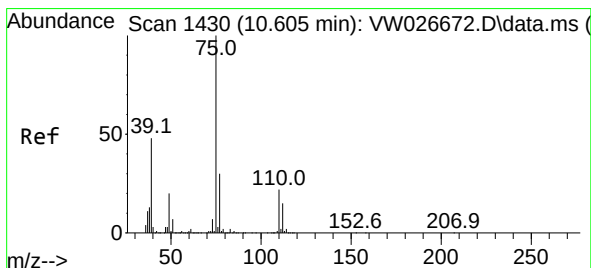
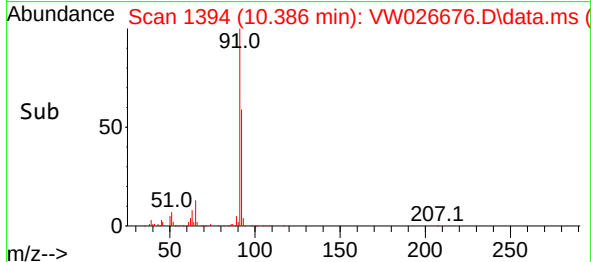
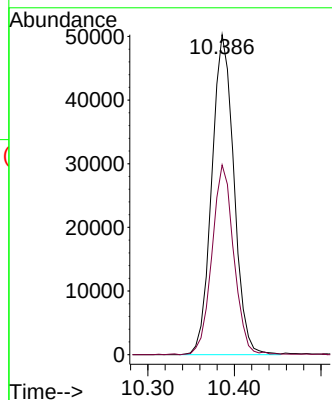
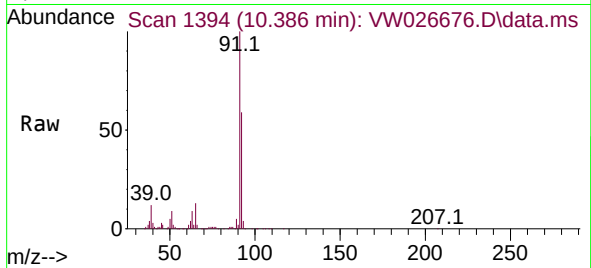




#42
Toluene
Concen: 2.417 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

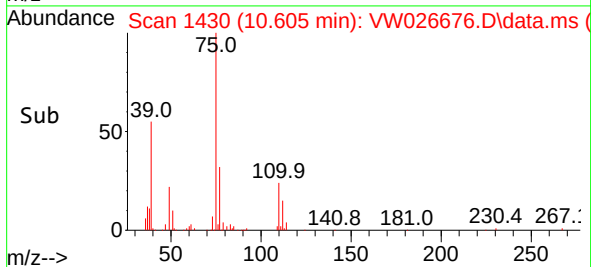
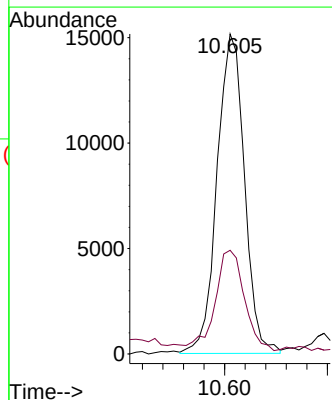
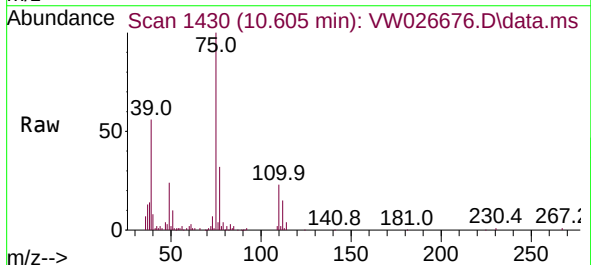
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

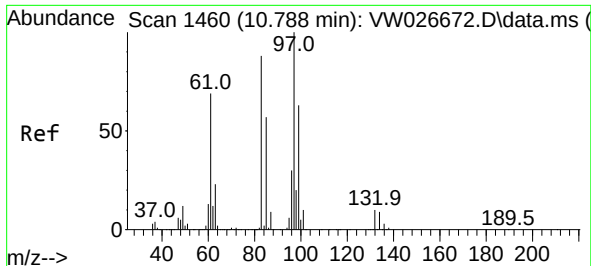
Tgt Ion: 91 Resp: 89182
Ion Ratio Lower Upper
91 100
92 59.3 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 2.264 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 75 Resp: 28005
Ion Ratio Lower Upper
75 100
77 32.4 21.2 39.4

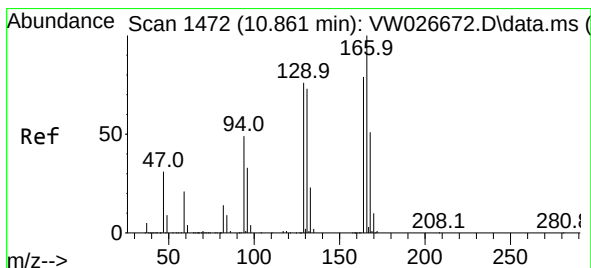
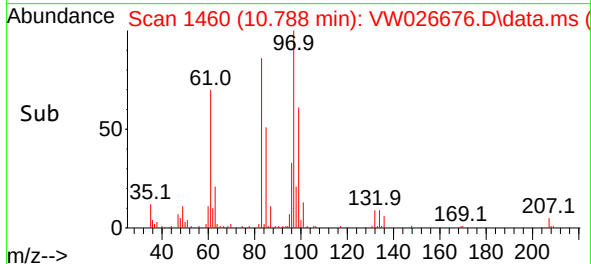
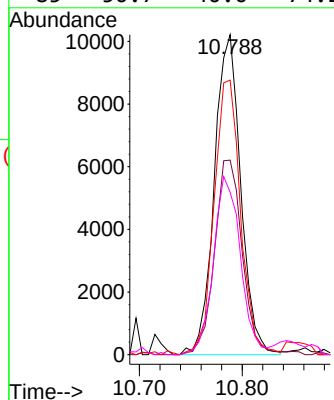
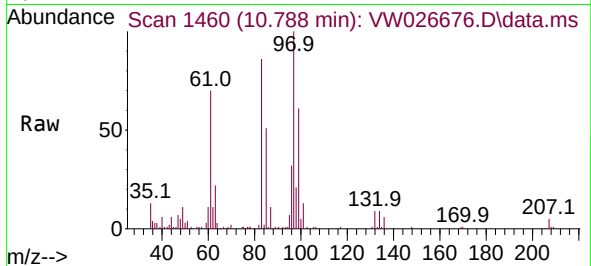




#45
1,1,2-Trichloroethane
Concen: 2.666 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

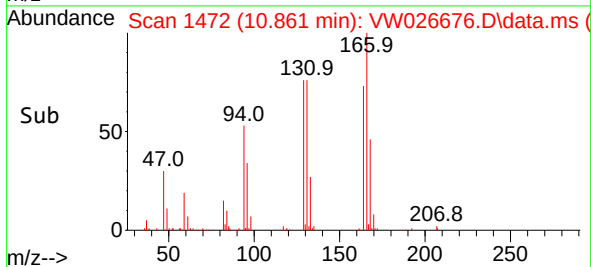
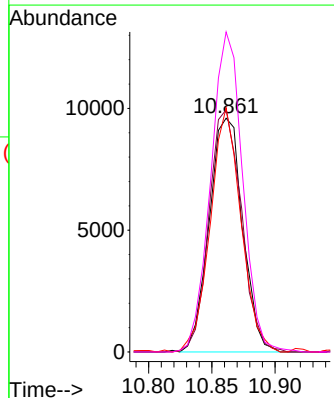
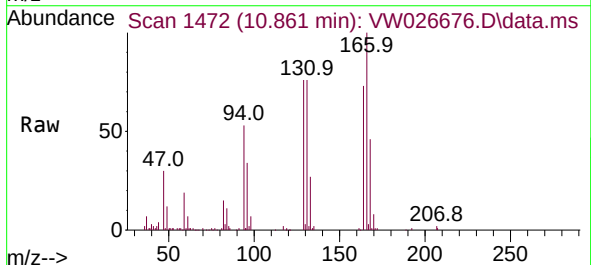
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

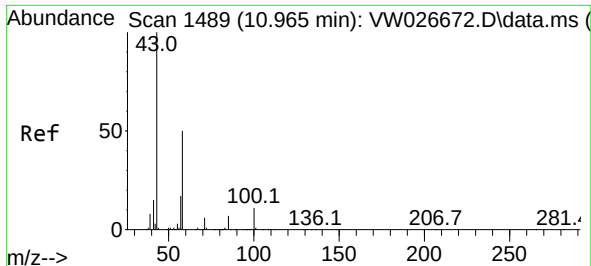
Tgt Ion: 97	Resp: 18216
Ion Ratio	Lower Upper
97 100	
99 60.8	44.2 82.0
83 85.8	61.9 114.9
85 50.7	40.0 74.2



#46
Tetrachloroethene
Concen: 2.615 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion:164	Resp: 17650		
Ion	Ratio	Lower	Upper
164	100		
129	103.6	68.1	126.5
131	104.4	65.5	121.7
166	136.9	89.1	165.5

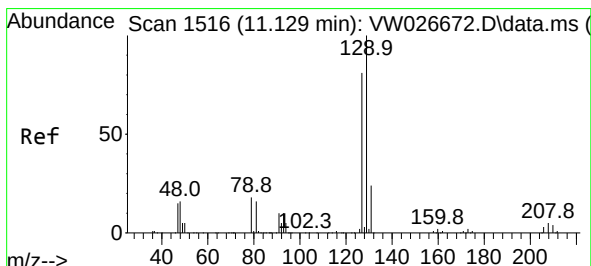
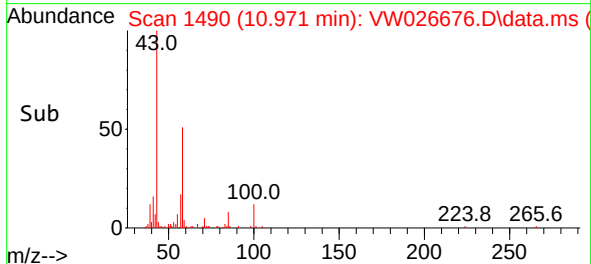
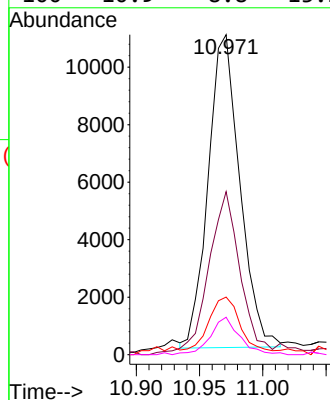
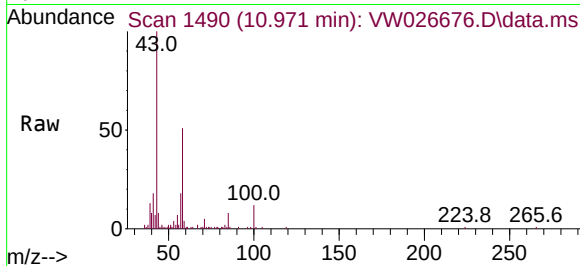




#48
2-Hexanone
Concen: 4.291 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

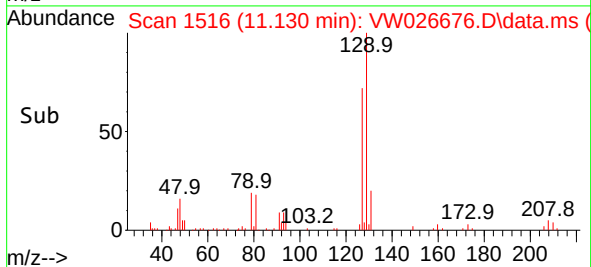
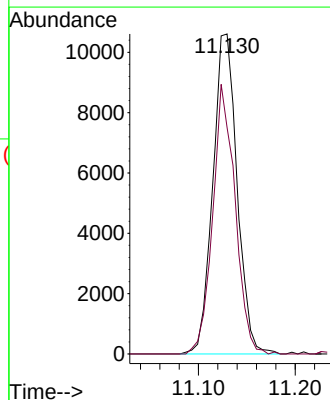
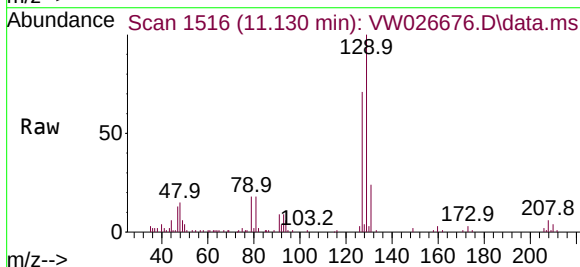
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

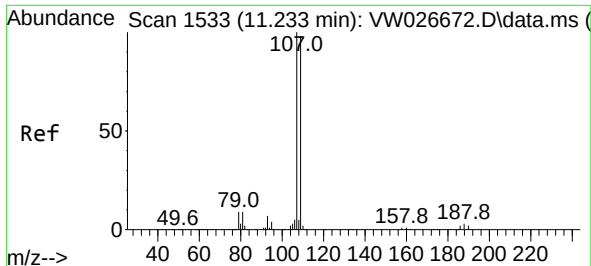
Tgt Ion: 43	Resp: 18975
Ion Ratio	Lower Upper
43 100	
58 51.8	41.1 61.7
57 18.5	14.3 21.5
100 10.9	8.8 13.2



#49
Dibromochloromethane
Concen: 2.587 ug/L
RT: 11.130 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion:129	Resp:	18483	
Ion	Ratio	Lower	Upper
129	100		
127	70.7	56.6	105.2





#50

1,2-Dibromoethane

Concen: 2.558 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

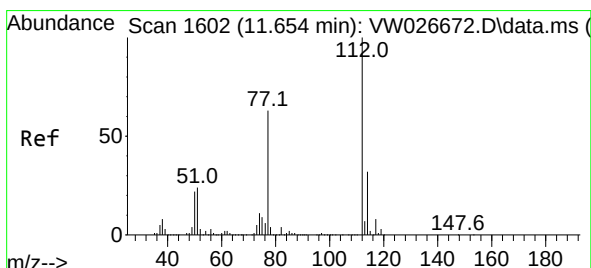
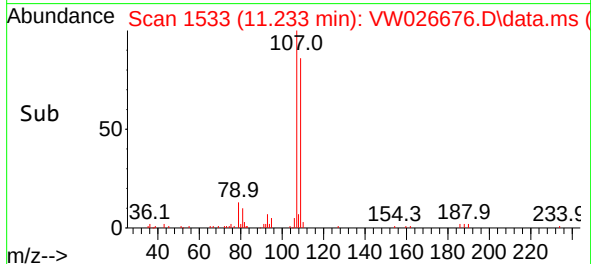
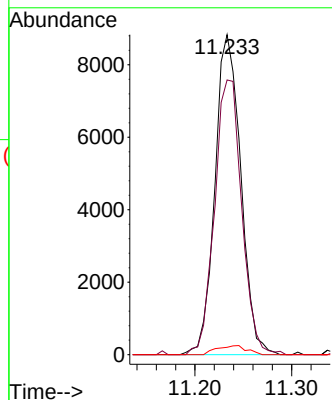
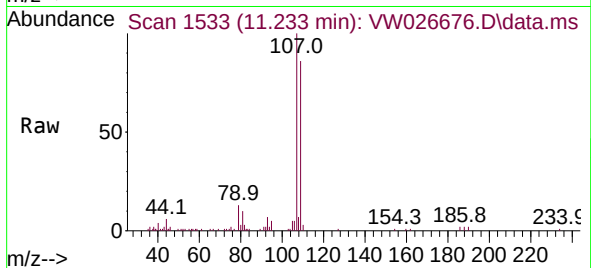
Tgt Ion:107 Resp: 16398

Ion Ratio Lower Upper

107 100

109 85.9 68.8 127.8

188 2.3 2.7 4.1#



#51

Chlorobenzene

Concen: 2.716 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

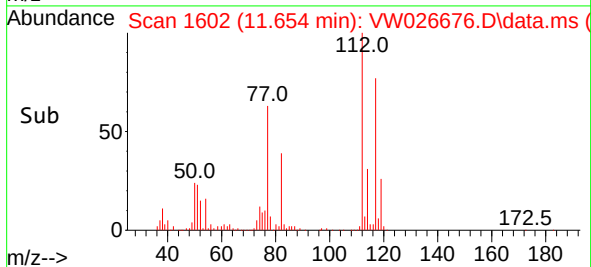
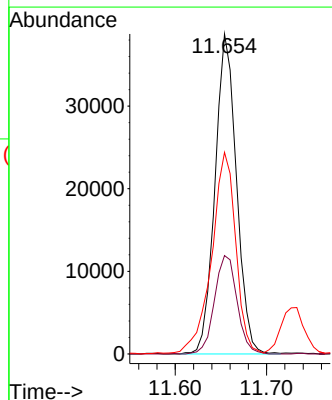
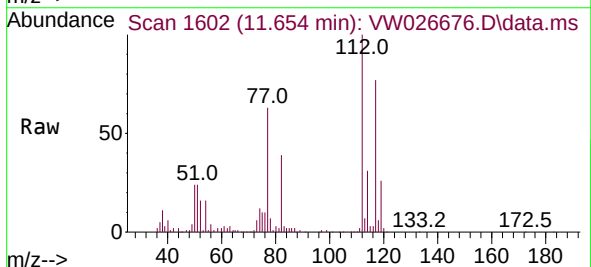
Tgt Ion:112 Resp: 63299

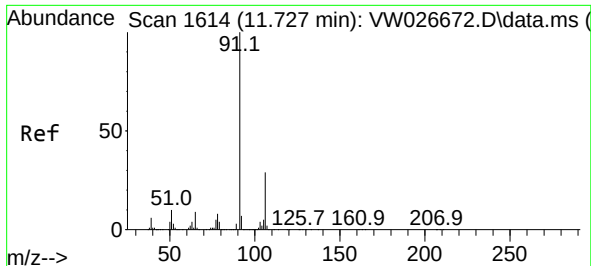
Ion Ratio Lower Upper

112 100

114 30.8 22.4 41.6

77 63.0 50.2 75.2

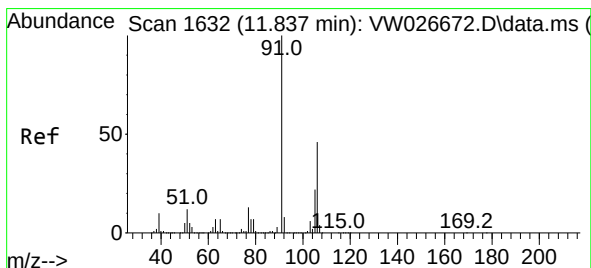
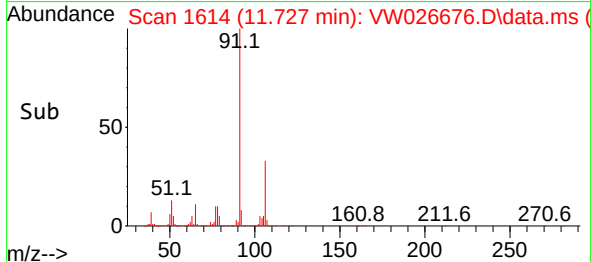
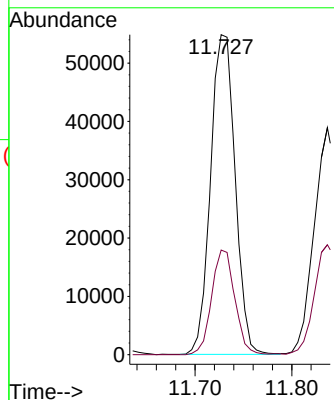
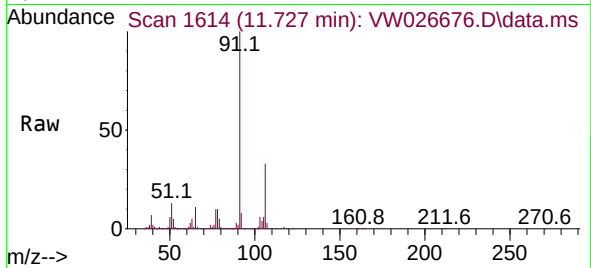




#52
Ethylbenzene
Concen: 2.343 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

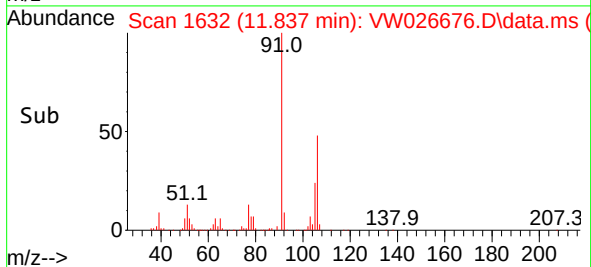
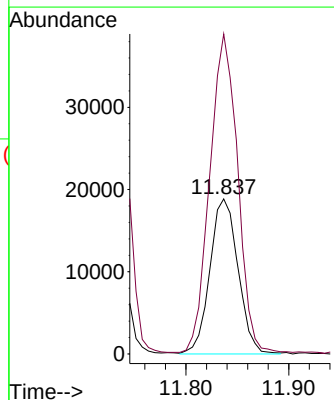
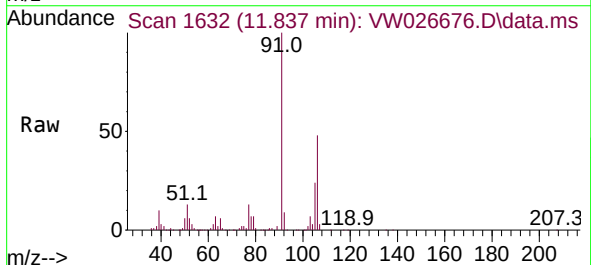
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

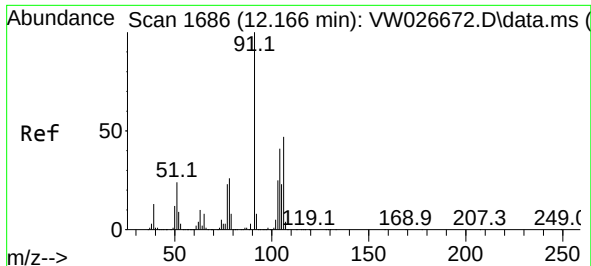
Tgt Ion: 91 Resp: 96959
Ion Ratio Lower Upper
91 100
106 32.7 20.2 37.6



#53
m,p-Xylene
Concen: 2.339 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion: 106 Resp: 35845
Ion Ratio Lower Upper
106 100
91 206.4 152.9 284.1

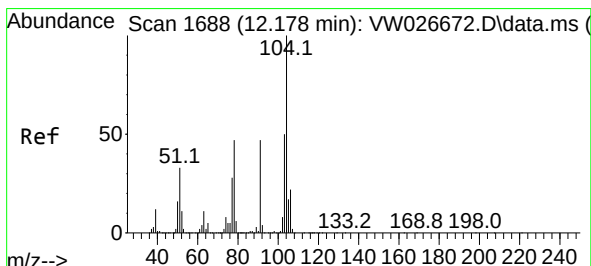
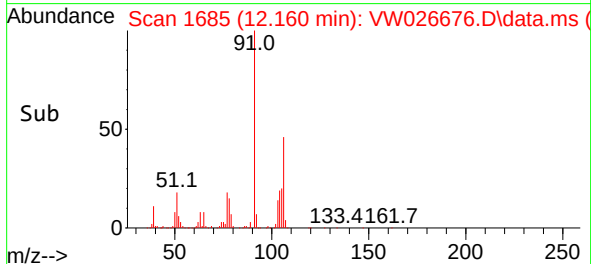
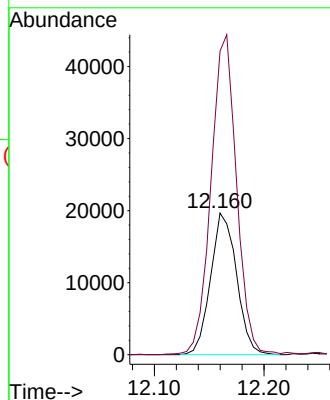
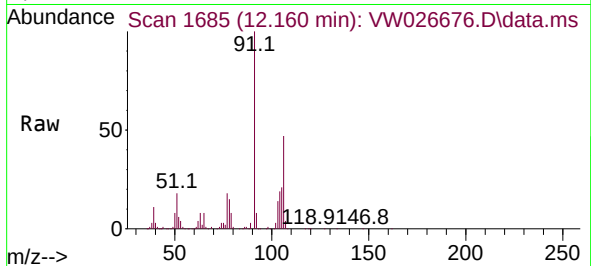




#54
o-Xylene
Concen: 2.263 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

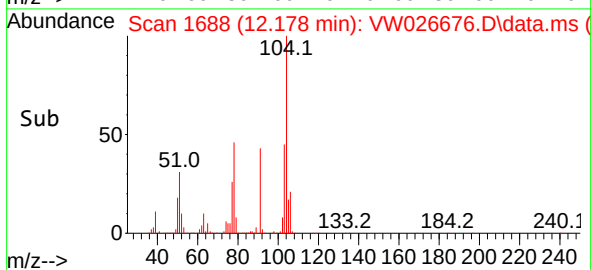
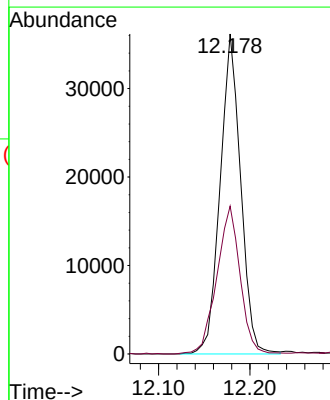
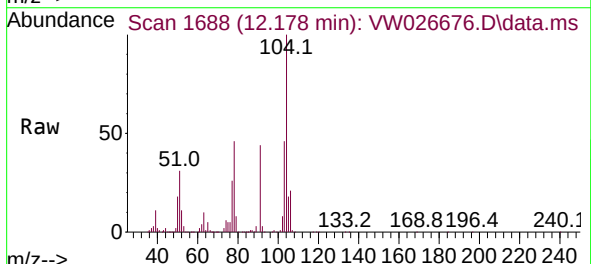
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5426

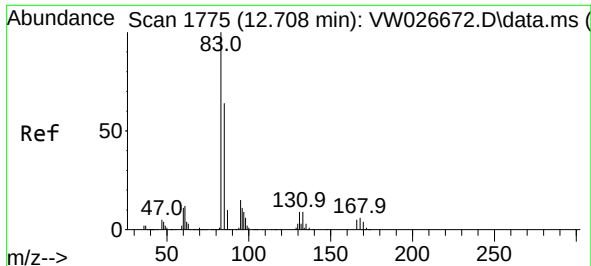
Tgt Ion:106 Resp: 32369
Ion Ratio Lower Upper
106 100
91 214.3 149.9 278.3



#55
Styrene
Concen: 2.273 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026676.D
Acq: 10 Aug 2023 14:21

Tgt Ion:104 Resp: 56536
Ion Ratio Lower Upper
104 100
78 46.2 33.0 61.2





#57

1,1,2,2-Tetrachloroethane

Concen: 2.673 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

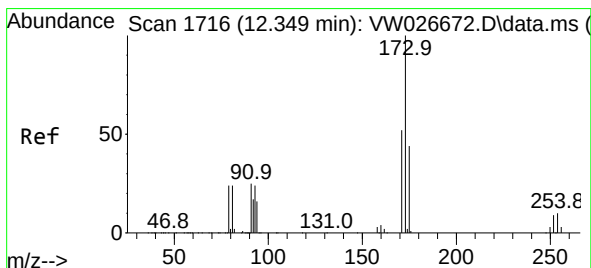
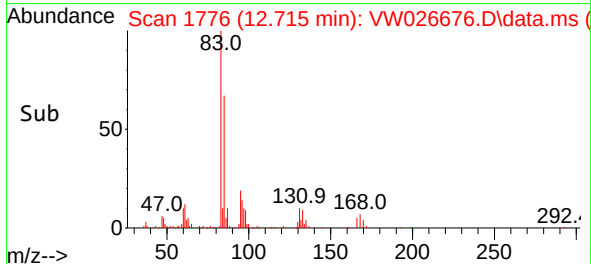
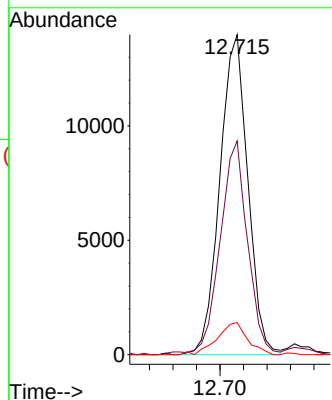
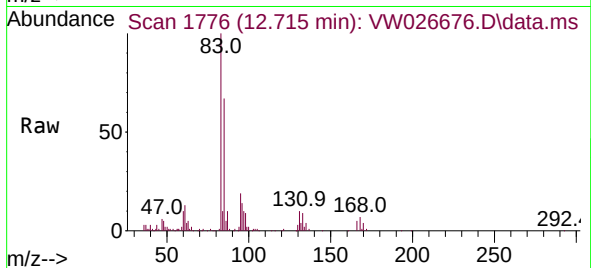
Tgt Ion: 83 Resp: 23128

Ion Ratio Lower Upper

83 100

85 66.8 44.9 83.3

131 10.0 7.4 11.0



#59

Bromoform

Concen: 2.586 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

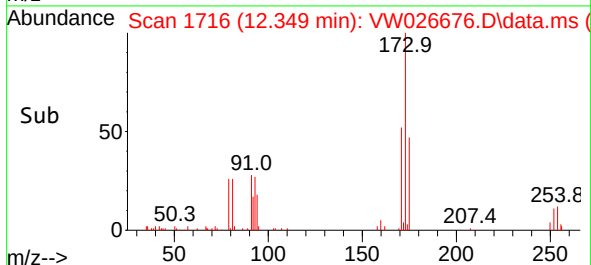
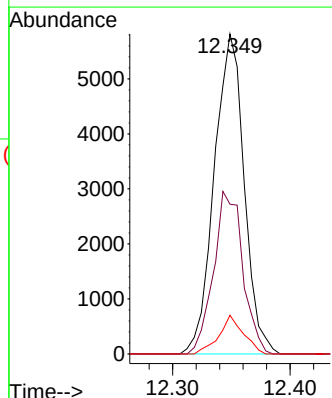
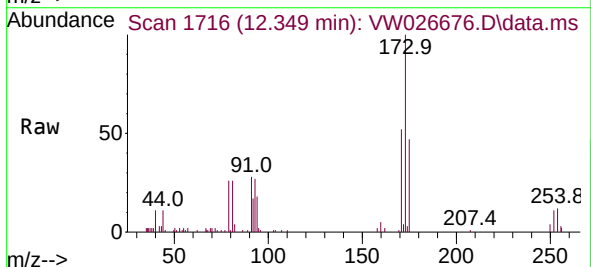
Tgt Ion:173 Resp: 10281

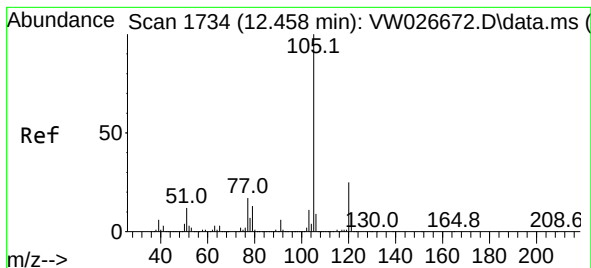
Ion Ratio Lower Upper

173 100

175 49.5 36.6 55.0

254 9.9 7.8 11.6





#60

Isopropylbenzene

Concen: 2.331 ug/L

RT: 12.465 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

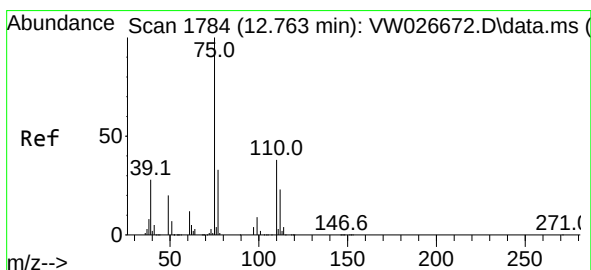
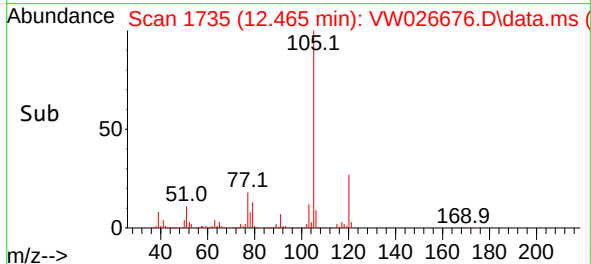
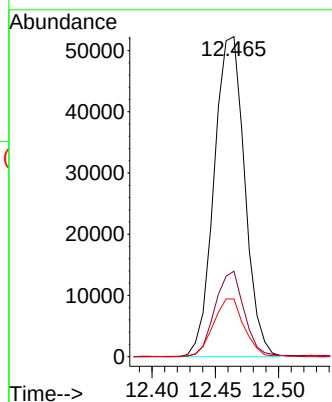
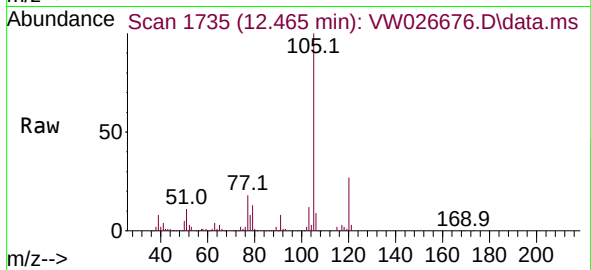
Tgt Ion:105 Resp: 87954

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.6

77 17.8 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 2.755 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

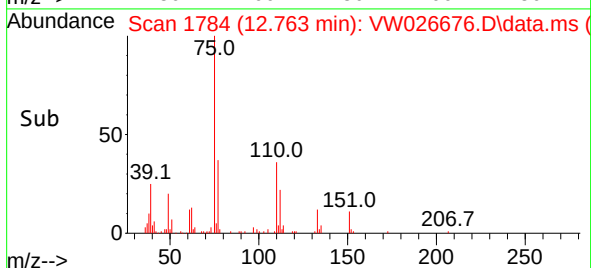
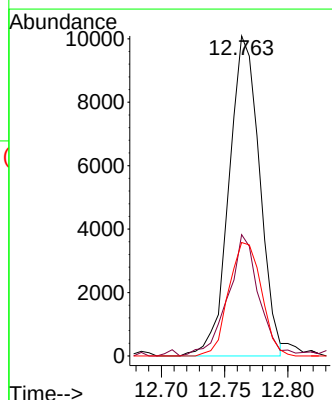
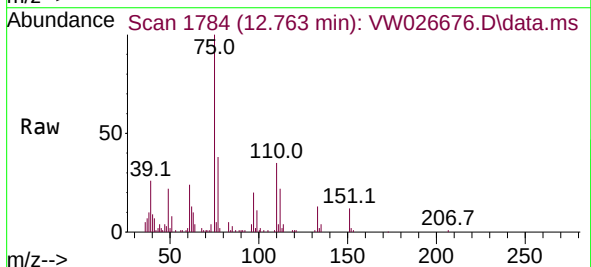
Tgt Ion: 75 Resp: 16961

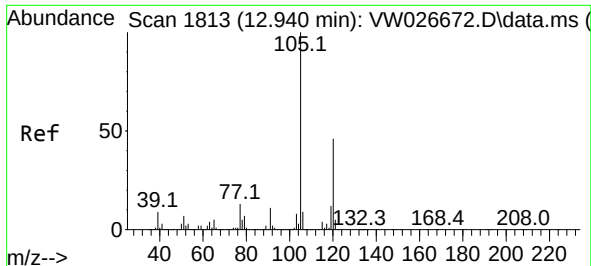
Ion Ratio Lower Upper

75 100

77 38.2 26.1 39.1

110 37.9 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 2.208 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

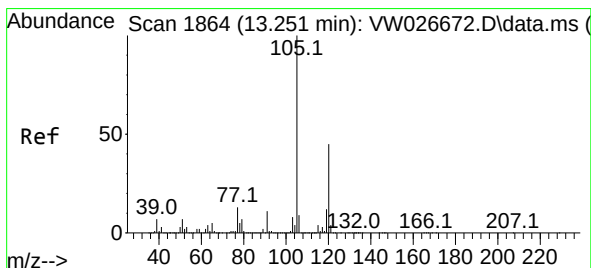
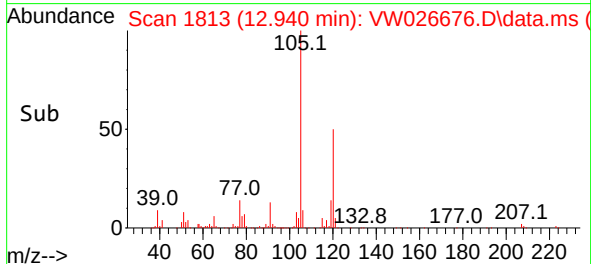
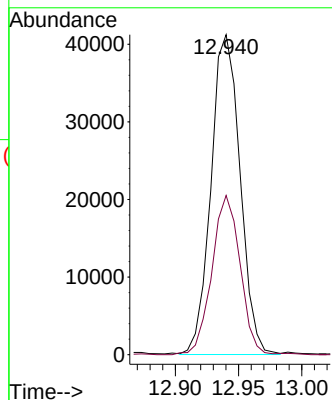
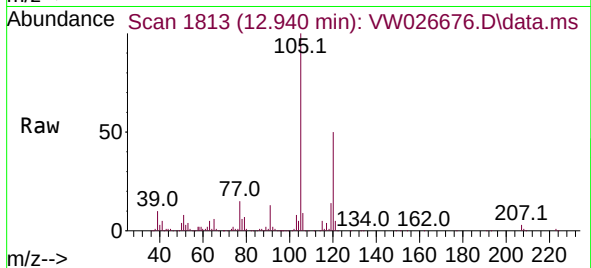
VSTD2.5426

Tgt Ion:105 Resp: 65860

Ion Ratio Lower Upper

105 100

120 48.1 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 2.200 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.006 min

Lab File: VW026676.D

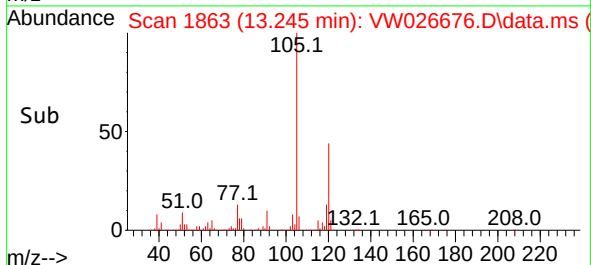
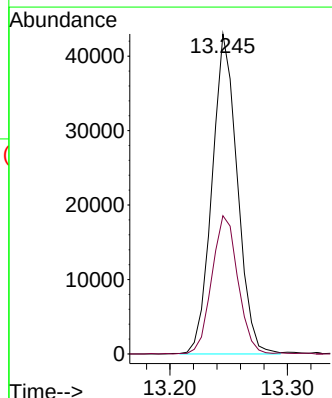
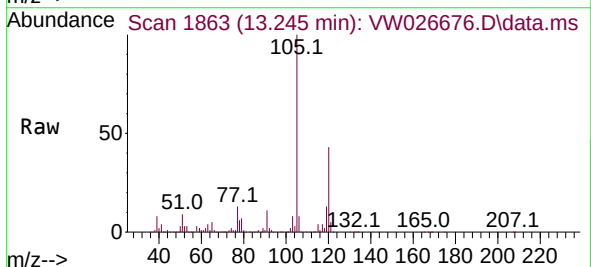
Acq: 10 Aug 2023 14:21

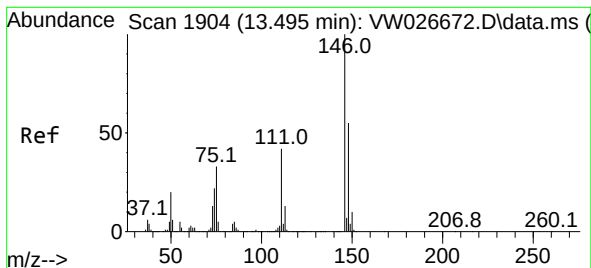
Tgt Ion:105 Resp: 64290

Ion Ratio Lower Upper

105 100

120 44.5 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 2.603 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

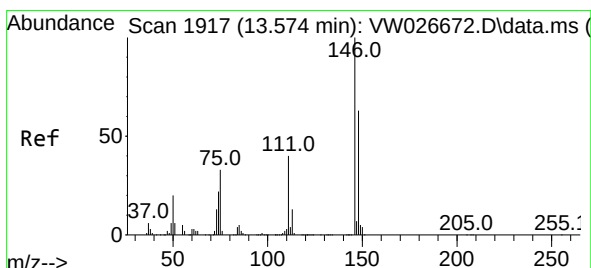
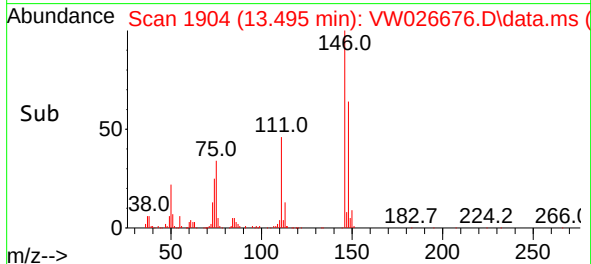
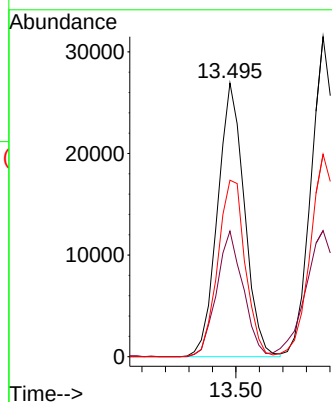
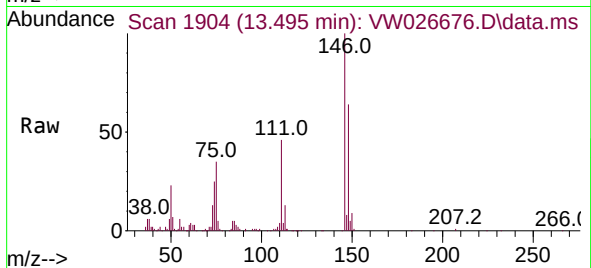
Tgt Ion:146 Resp: 42708

Ion Ratio Lower Upper

146 100

111 45.9 29.1 54.1

148 64.5 38.8 72.0



#65

1,4-Dichlorobenzene

Concen: 2.798 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

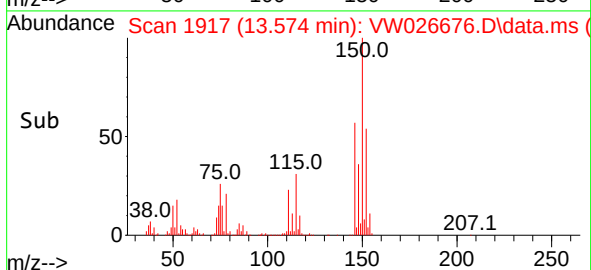
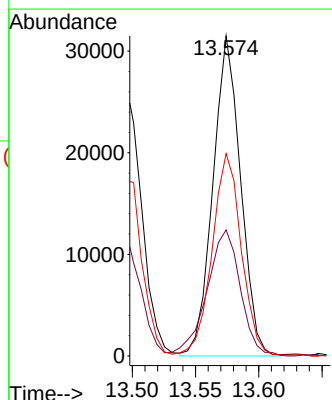
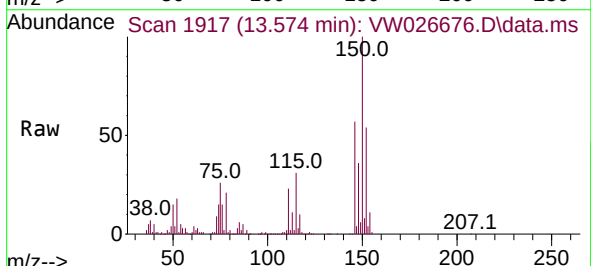
Tgt Ion:146 Resp: 47919

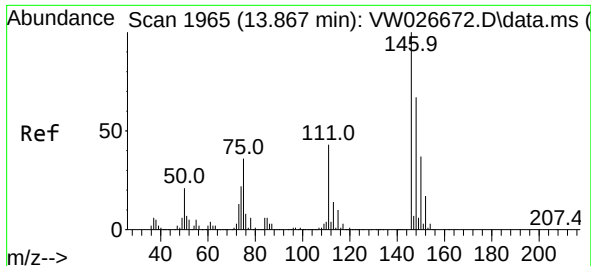
Ion Ratio Lower Upper

146 100

111 39.4 28.3 52.7

148 63.3 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 2.766 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

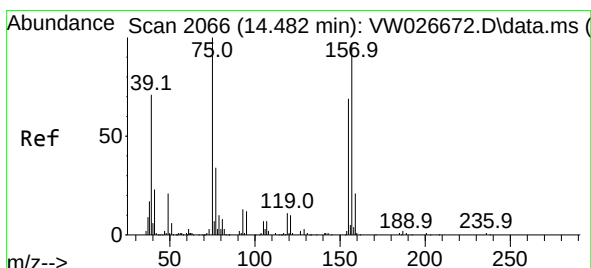
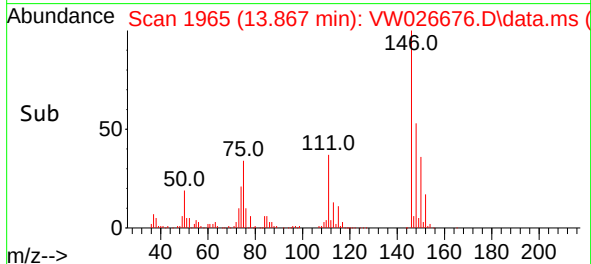
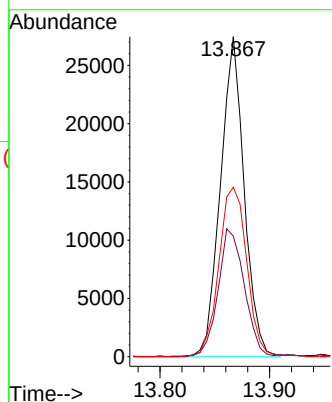
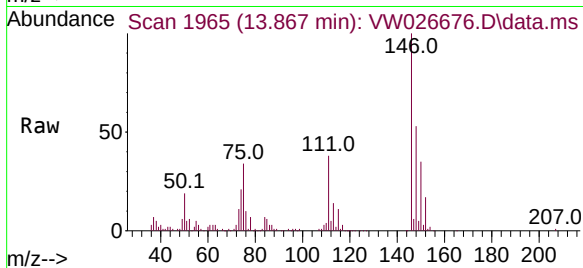
Tgt Ion:146 Resp: 41269

Ion Ratio Lower Upper

146 100

111 37.6 34.6 52.0

148 52.9 53.4 80.0#



#68

1,2-Dibromo-3-chloropropane

Concen: 2.868 ug/L

RT: 14.477 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

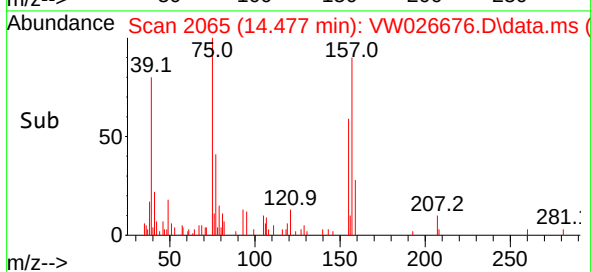
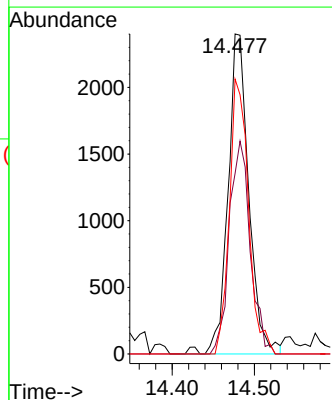
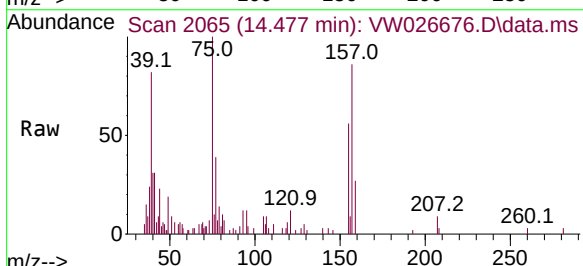
Tgt Ion: 75 Resp: 4223

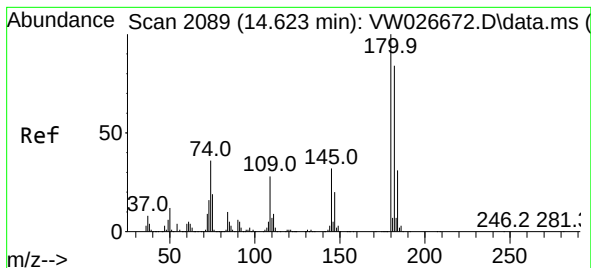
Ion Ratio Lower Upper

75 100

155 56.4 55.0 82.6

157 85.9 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 2.710 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026676.D

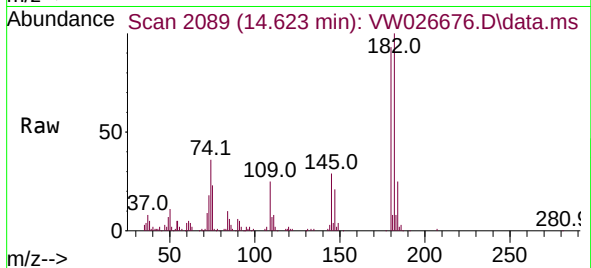
Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426



Tgt Ion:180 Resp: 30048

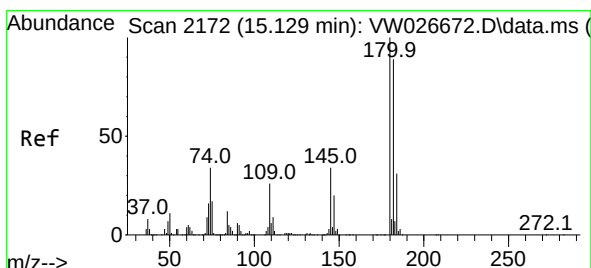
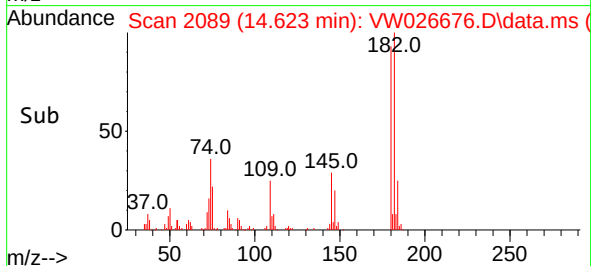
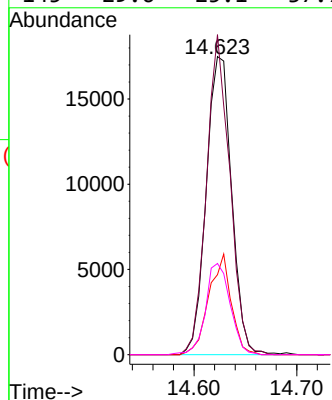
Ion Ratio Lower Upper

180 100

182 98.2 75.2 112.8

184 29.8 23.8 35.8

145 29.6 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 2.559 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

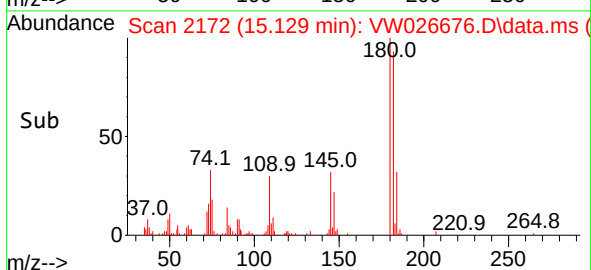
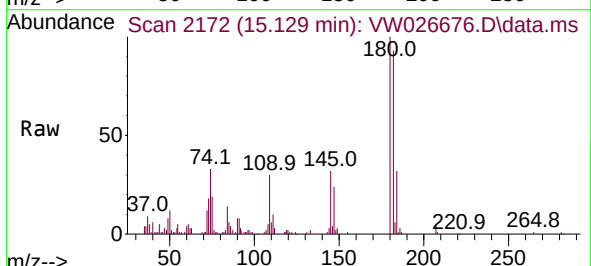
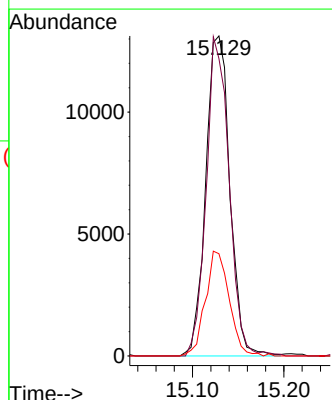
Tgt Ion:180 Resp: 24056

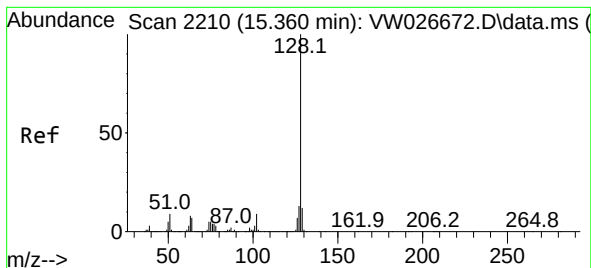
Ion Ratio Lower Upper

180 100

182 93.8 72.5 108.7

145 32.2 24.7 37.1





#71

Naphthalene

Concen: 2.250 ug/L

RT: 15.361 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5426

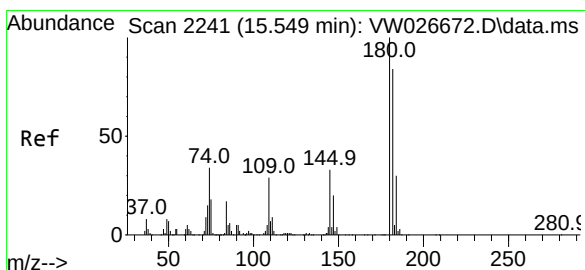
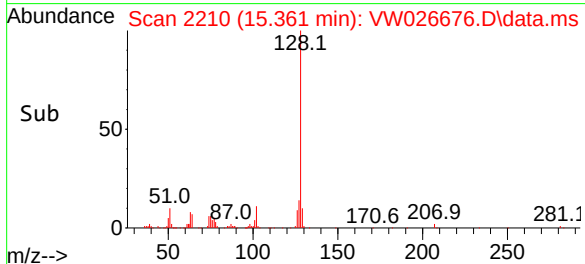
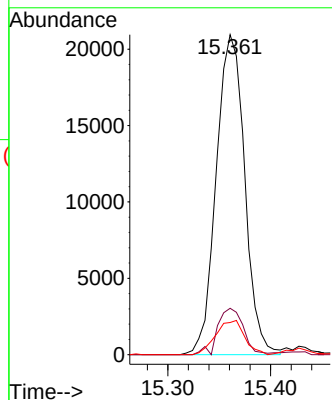
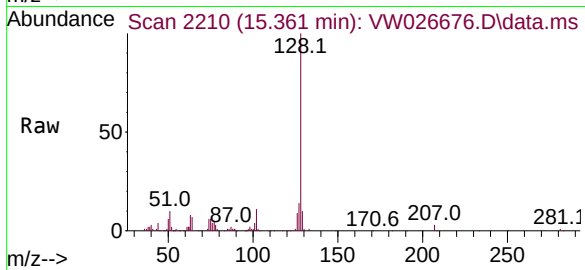
Tgt Ion:128 Resp: 40345

Ion Ratio Lower Upper

128 100

127 12.4 10.7 16.1

129 10.8 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 2.622 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026676.D

Acq: 10 Aug 2023 14:21

Tgt Ion:180 Resp: 22230

Ion Ratio Lower Upper

180 100

182 94.2 74.6 112.0

145 36.6 27.0 40.6

