

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081023\
 Data File : VW026671.D
 Acq On : 10 Aug 2023 10:44
 Operator : SY/MD
 Sample : VSTD00521
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005421

Quant Time: Aug 11 01:26:21 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	492091	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	497698	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	267750	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	45199	5.587	ug/L	0.00
7) Chloroethane-d5	2.893	69	35486	5.972	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.021	65	21918	5.509	ug/L	0.00
21) 2-Butanone-d5	7.087	46	24349	10.533	ug/L	0.00
24) Chloroform-d	7.648	84	91020	5.511	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.307	65	49996	5.485	ug/L	0.00
32) Benzene-d6	8.276	84	178584	5.206	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.276	67	55310	5.177	ug/L	0.00
41) Toluene-d8	10.325	98	145951	4.957	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.574	79	21210	4.808	ug/L	0.00
47) 2-Hexanone-d5	10.928	63	10361	9.229	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.690	84	43897	5.202	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.848	152	47477	4.954	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.015	85	22911	3.381	ug/L	98
3) Chloromethane	2.216	50	45015	4.920	ug/L	93
5) Vinyl chloride	2.375	62	46925	5.365	ug/L	95
6) Bromomethane	2.789	94	25814	5.059	ug/L	92
8) Chloroethane	2.936	64	26890	5.131	ug/L	98
9) Trichlorofluoromethane	3.265	101	32403	4.515	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	40455	5.270	ug/L #	65
12) 1,1-Dichloroethene	4.045	96	36402	5.005	ug/L	85
13) Acetone	4.124	43	19714	8.609	ug/L	96
14) Carbon disulfide	4.393	76	131934	5.042	ug/L	100
15) Methyl Acetate	4.667	43	21499	4.643	ug/L	94
16) Methylene chloride	4.917	84	78187	8.214	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	39797	4.903	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	57634	4.693	ug/L	99
19) 1,1-Dichloroethane	6.215	63	83694	5.010	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	42872	4.914	ug/L	99
22) 2-Butanone	7.173	43	34081	10.004	ug/L	78
23) Bromochloromethane	7.514	128	19188	5.092	ug/L	89
25) Chloroform	7.679	83	79398	4.920	ug/L	97
27) 1,2-Dichloroethane	8.398	62	56657	5.032	ug/L	99
29) Cyclohexane	7.959	56	64556	4.194	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	63467	4.886	ug/L	99
31) Carbon tetrachloride	8.069	117	57091	4.807	ug/L	96
33) Benzene	8.325	78	175515	4.843	ug/L	100
34) Trichloroethene	9.093	95	44364	4.806	ug/L	96
35) Methylcyclohexane	9.337	83	67821	4.295	ug/L	96
37) 1,2-Dichloropropane	9.367	63	48282	4.863	ug/L	98
38) Bromodichloromethane	9.642	83	55821	4.793	ug/L #	96
39) cis-1,3-Dichloropropene	10.075	75	63263	4.430	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	55385	8.577	ug/L	99
42) Toluene	10.385	91	172555	4.706	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	54092	4.400	ug/L	94

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 ALS Vial : 1 Sample Multiplier: 1

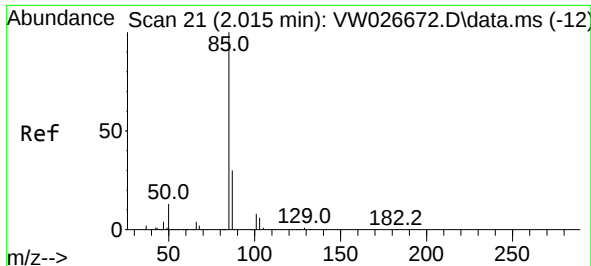
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005421

Quant Time: Aug 11 01:26:21 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	31645	4.661	ug/L	98
46) Tetrachloroethene	10.861	164	33274	4.962	ug/L	98
48) 2-Hexanone	10.965	43	36031	8.200	ug/L	98
49) Dibromochloromethane	11.129	129	33694	4.745	ug/L	91
50) 1,2-Dibromoethane	11.239	107	29425	4.619	ug/L	95
51) Chlorobenzene	11.654	112	108790	4.697	ug/L	92
52) Ethylbenzene	11.727	91	187568	4.562	ug/L	100
53) m,p-Xylene	11.836	106	66773	4.384	ug/L	90
54) o-Xylene	12.166	106	60978	4.289	ug/L	98
55) Styrene	12.178	104	108410	4.386	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.714	83	40889	4.755	ug/L	98
59) Bromoform	12.342	173	18800	4.482	ug/L	98
60) Isopropylbenzene	12.458	105	171699	4.313	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	31325	4.823	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	126383	4.017	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	126702	4.109	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	78632	4.542	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	83384	4.615	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	72895	4.630	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	7420	4.777	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	49286	4.214	ug/L	93
70) 1,2,4-trichlorobenzene	15.129	180	42708	4.307	ug/L	98
71) Naphthalene	15.360	128	70282	3.715	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	36899	4.125	ug/L	95

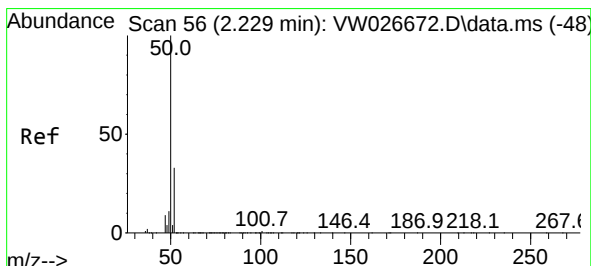
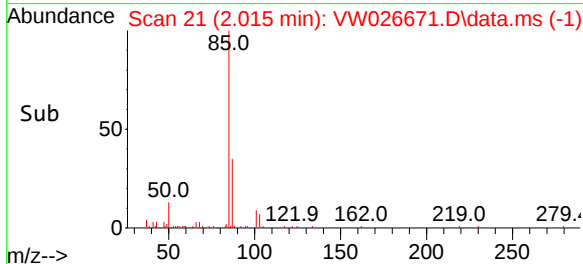
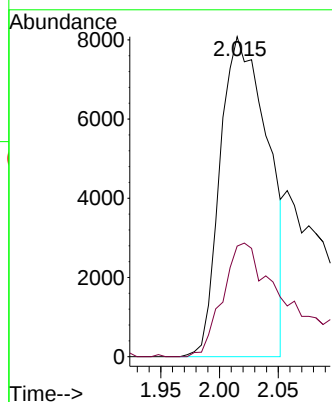
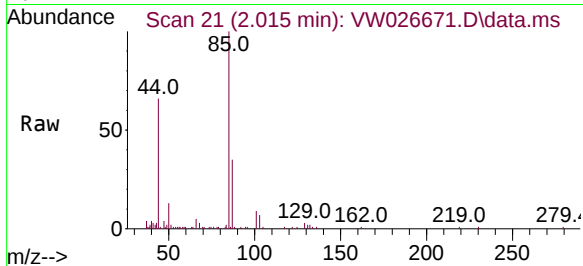
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 3.381 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026671.D
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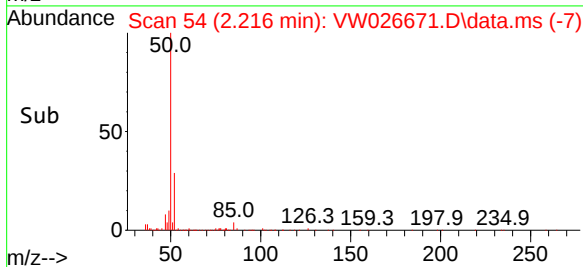
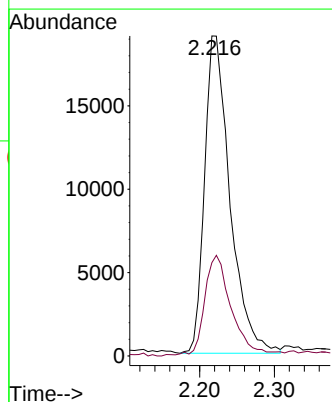
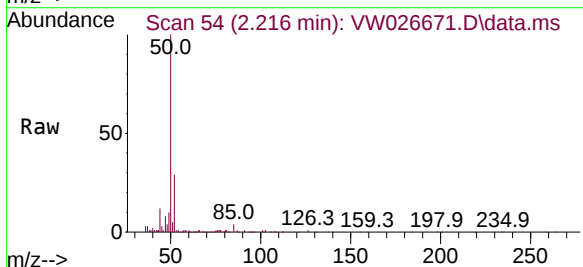
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD005421

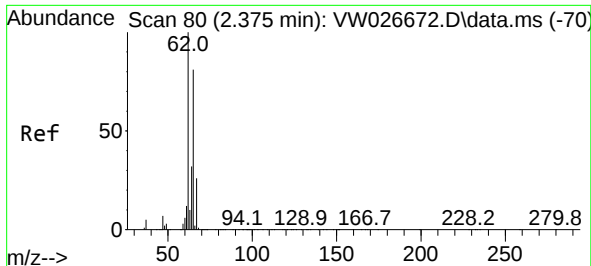
Tgt Ion: 85 Resp: 22911
 Ion Ratio Lower Upper
 85 100
 87 25.4 19.5 29.3



#3
 Chloromethane
 Concen: 4.920 ug/L
 RT: 2.216 min Scan# 54
 Delta R.T. -0.012 min
 Lab File: VW026671.D
 Acq: 10 Aug 2023 10:44

Tgt Ion: 50 Resp: 45015
 Ion Ratio Lower Upper
 50 100
 52 29.1 23.0 42.8

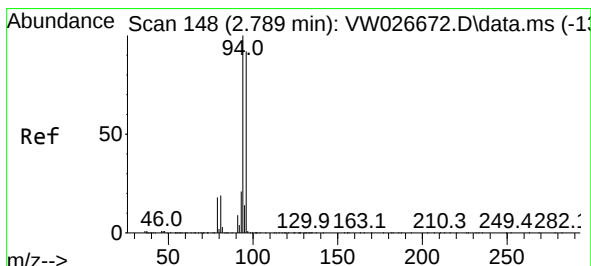
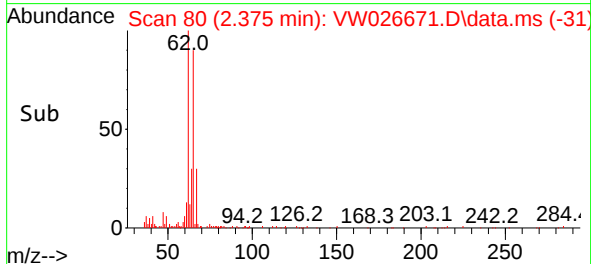
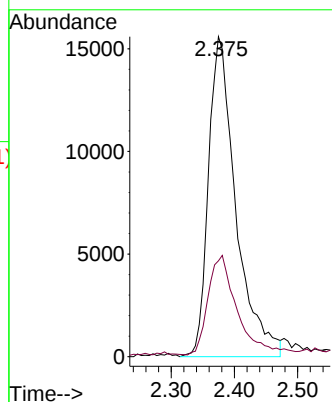
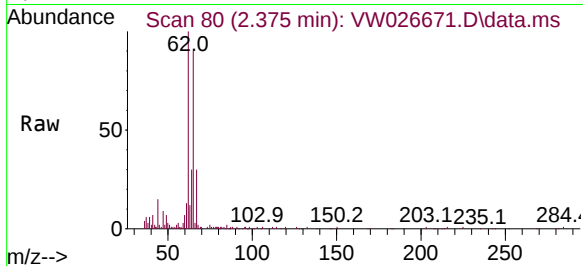




#5
 Vinyl chloride
 Concen: 5.365 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW026671.D
 Acq: 10 Aug 2023 10:44

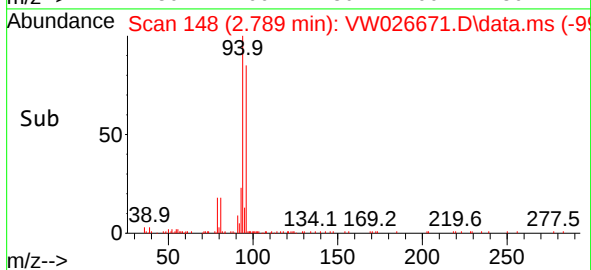
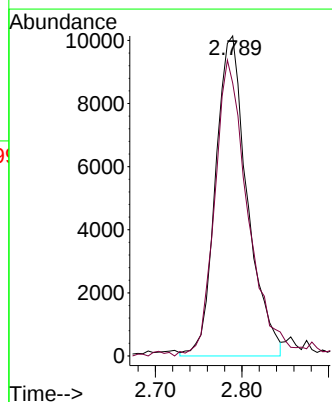
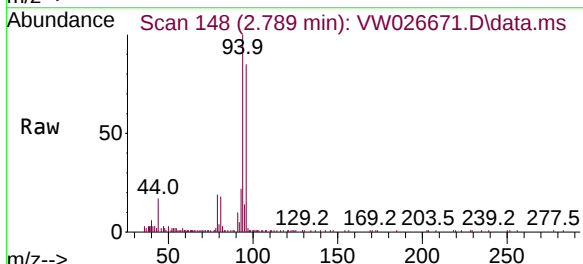
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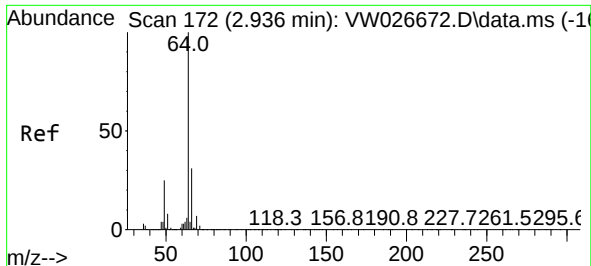
Tgt Ion: 62 Resp: 46925
 Ion Ratio Lower Upper
 62 100
 64 29.9 22.7 42.3



#6
 Bromomethane
 Concen: 5.059 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW026671.D
 Acq: 10 Aug 2023 10:44

Tgt Ion: 94 Resp: 25814
 Ion Ratio Lower Upper
 94 100
 96 85.3 64.8 120.3

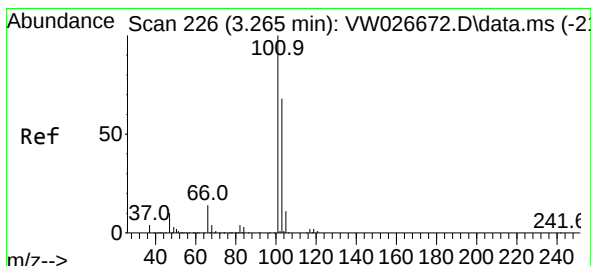
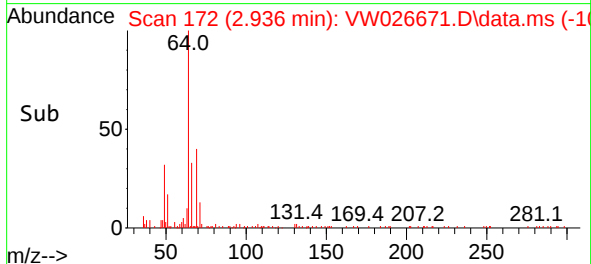
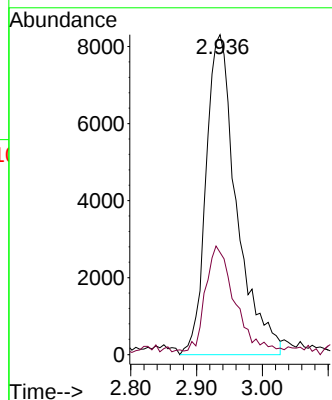
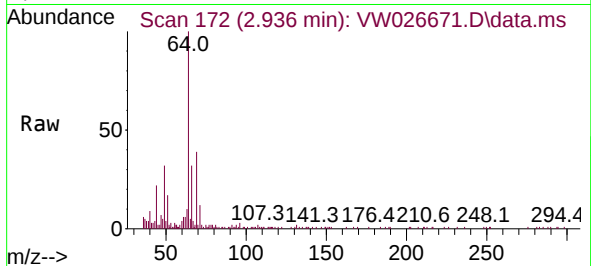




#8
Chloroethane
Concen: 5.131 ug/L
RT: 2.936 min Scan# 172
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

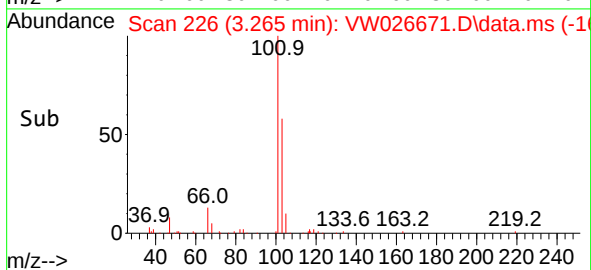
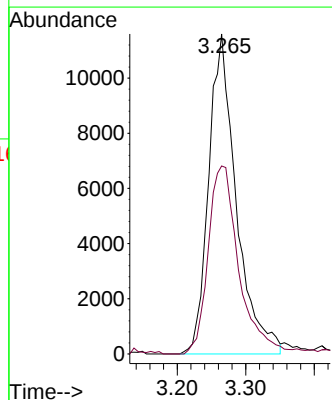
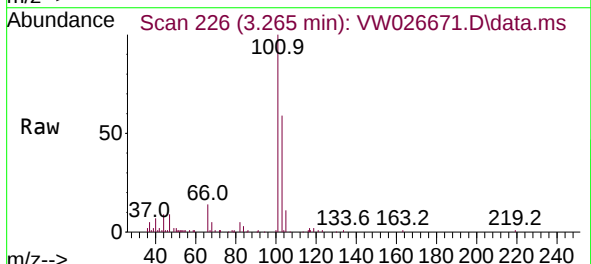
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

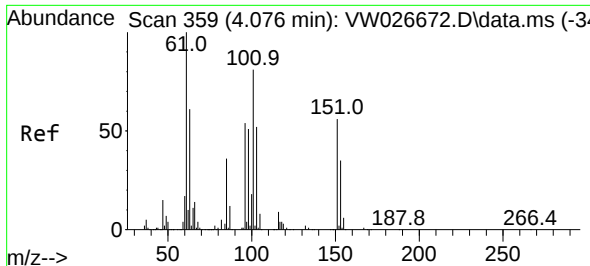
Tgt Ion: 64 Resp: 26890
Ion Ratio Lower Upper
64 100
66 32.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 4.515 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion: 101 Resp: 32403
Ion Ratio Lower Upper
101 100
103 65.3 51.9 77.9





#10

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

Concen: 5.270 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421

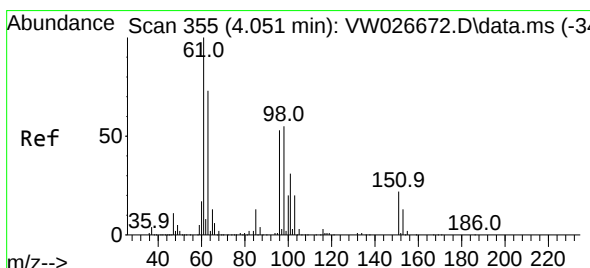
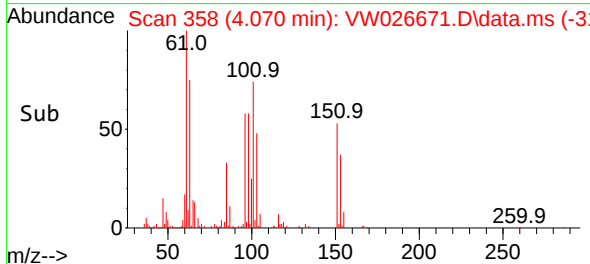
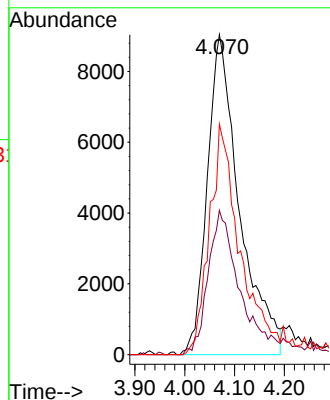
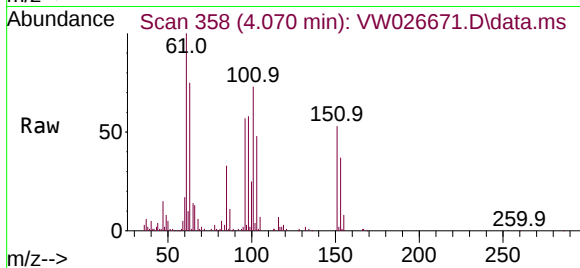
Tgt Ion:101 Resp: 40455

Ion Ratio Lower Upper

101 100

85 36.2 32.8 49.2

151 26.5 54.4 81.6#



#12

1,1-Dichloroethene

Concen: 5.005 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.006 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

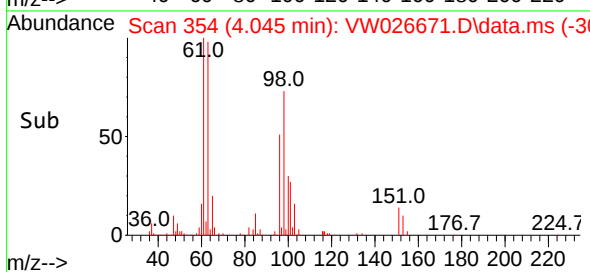
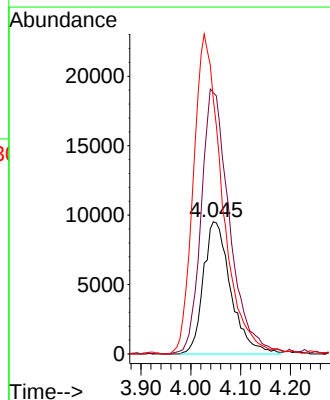
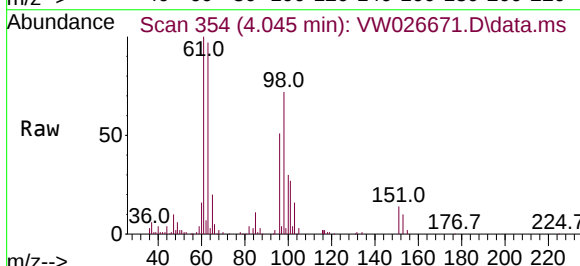
Tgt Ion: 96 Resp: 36402

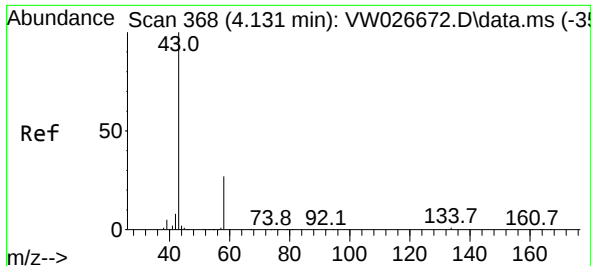
Ion Ratio Lower Upper

96 100

61 197.6 133.2 247.4

63 192.5 109.0 202.4





#13

Acetone

Concen: 8.609 ug/L

RT: 4.124 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

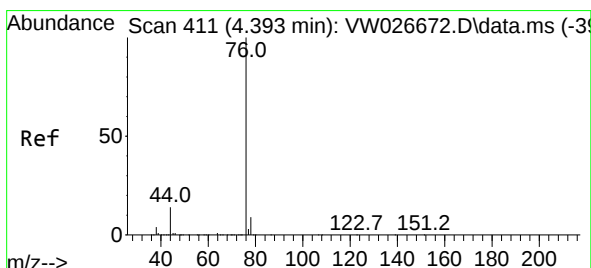
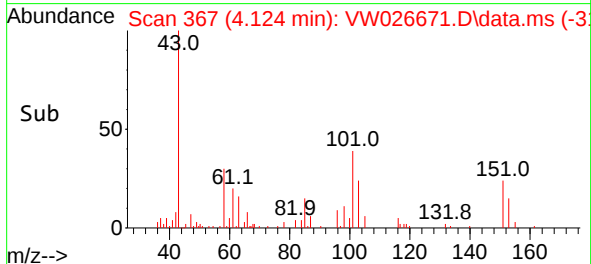
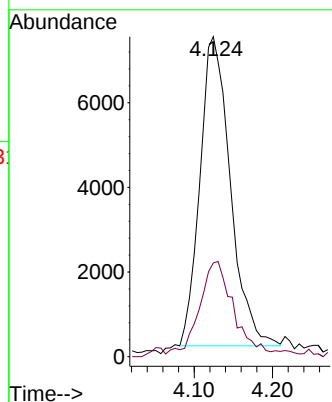
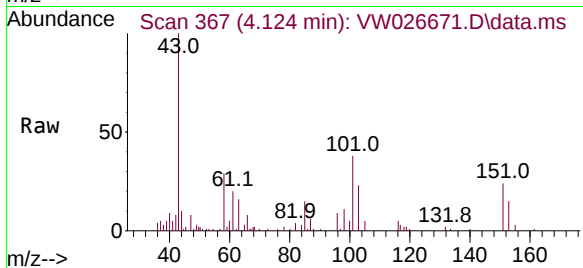
VSTD005421

Tgt Ion: 43 Resp: 19714

Ion Ratio Lower Upper

43 100

58 30.9 0.0 57.4



#14

Carbon disulfide

Concen: 5.042 ug/L

RT: 4.393 min Scan# 411

Delta R.T. -0.000 min

Lab File: VW026671.D

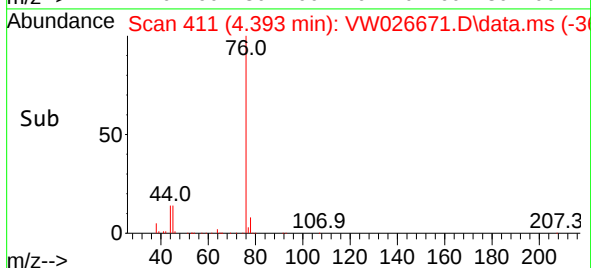
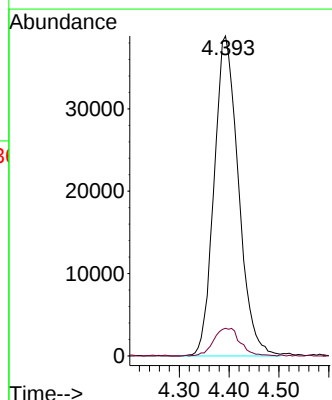
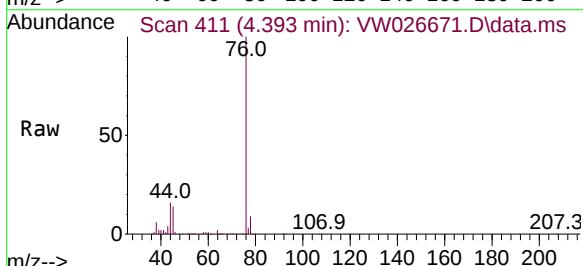
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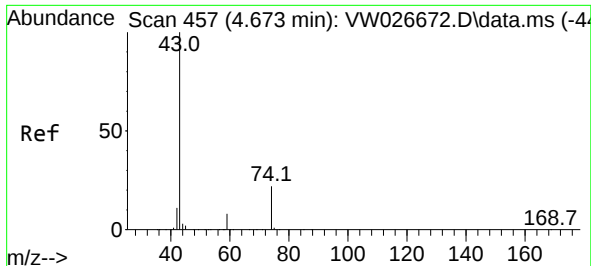
Tgt Ion: 76 Resp: 131934

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

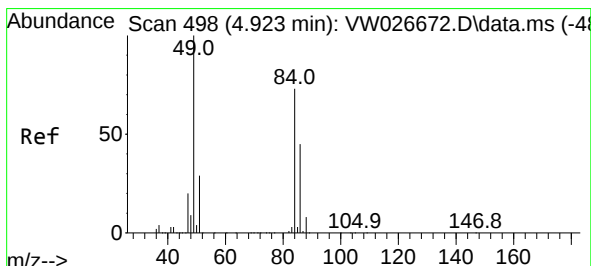
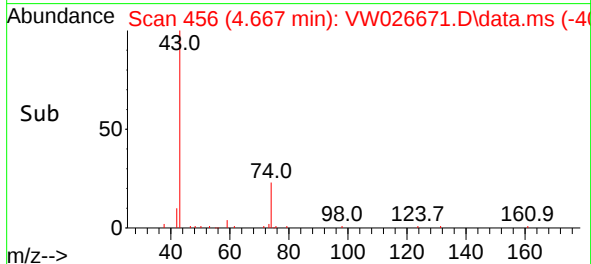
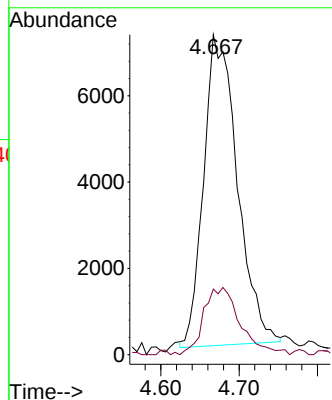
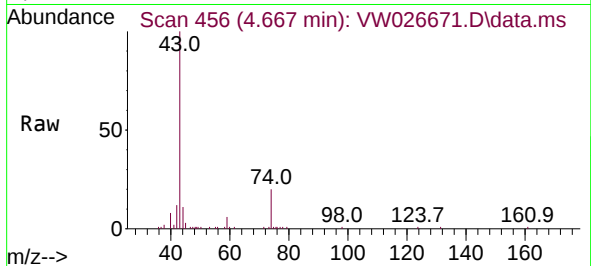




#15
Methyl Acetate
Concen: 4.643 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

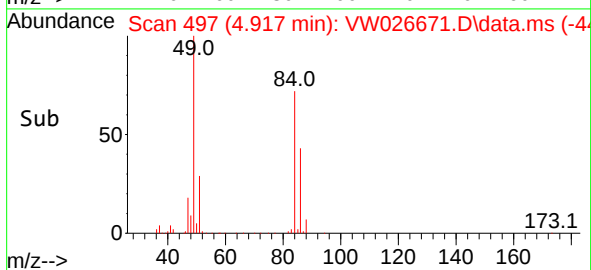
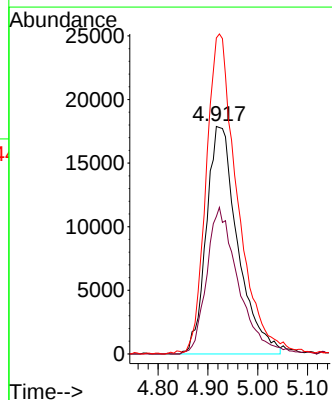
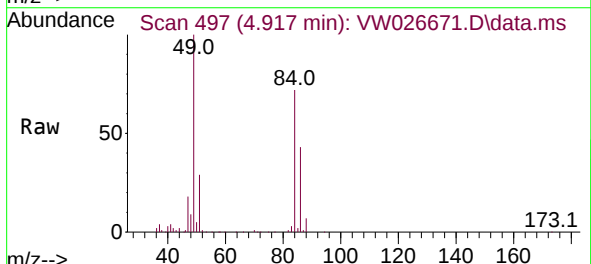
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ClientSampleId :
VSTD005421

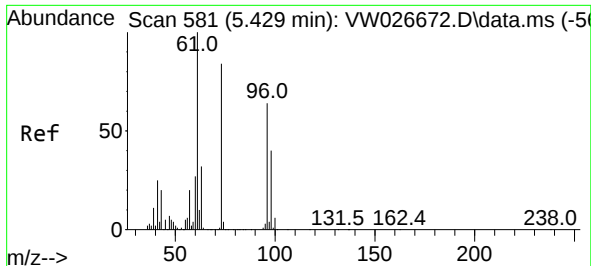
Tgt Ion: 43 Resp: 21499
Ion Ratio Lower Upper
43 100
74 23.1 16.4 24.6



#16
Methylene chloride
Concen: 8.214 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion: 84 Resp: 78187
Ion Ratio Lower Upper
84 100
86 60.4 43.5 80.9
49 138.9 96.0 178.2

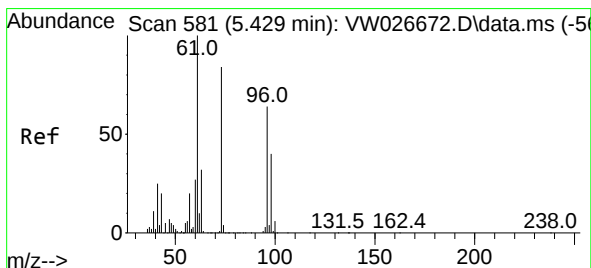
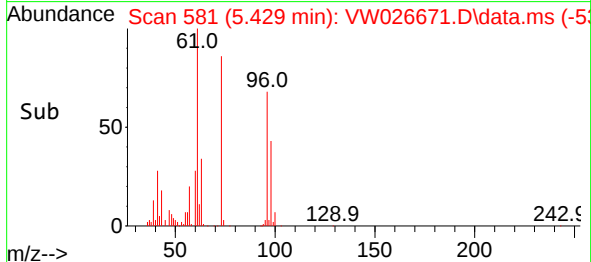
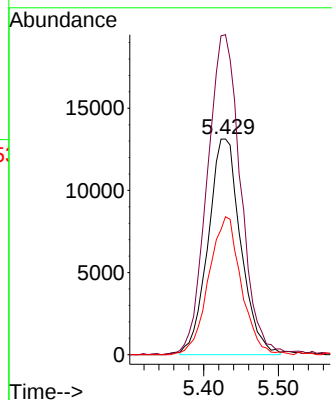
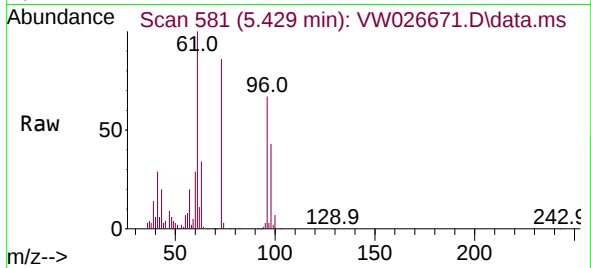




#17
trans-1,2-Dichloroethene
Concen: 4.903 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

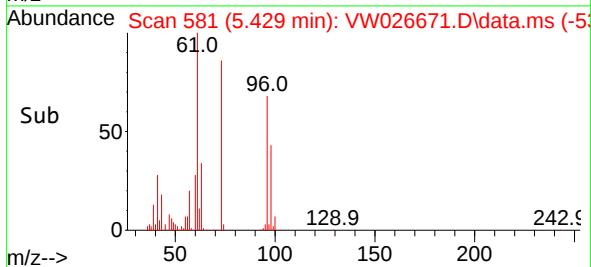
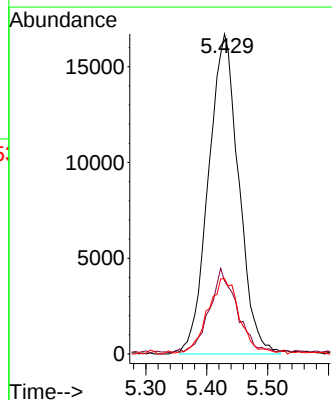
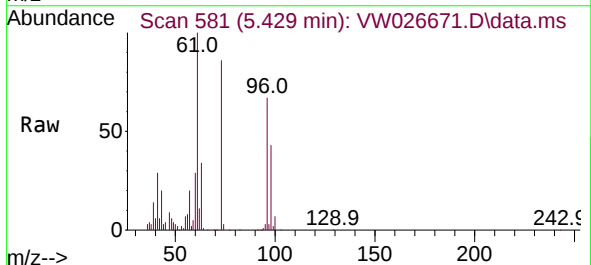
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

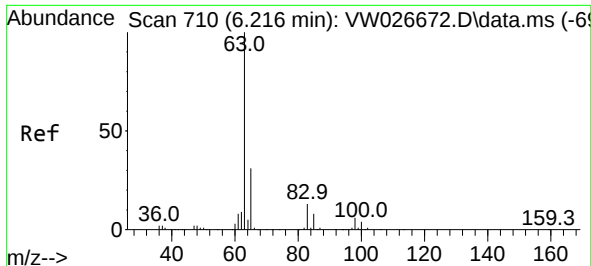
Tgt Ion: 96 Resp: 39797
Ion Ratio Lower Upper
96 100
61 148.3 109.4 203.2
98 64.0 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 4.693 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion: 73 Resp: 57634
Ion Ratio Lower Upper
73 100
43 22.6 18.0 27.0
57 23.5 19.3 28.9





#19

1,1-Dichloroethane

Concen: 5.010 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026671.D

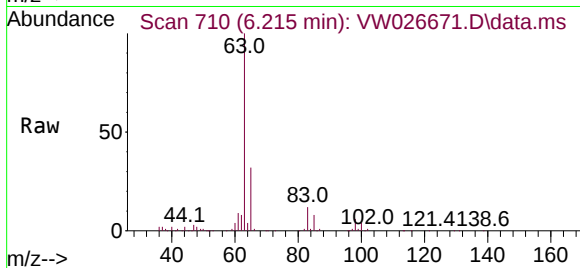
Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421



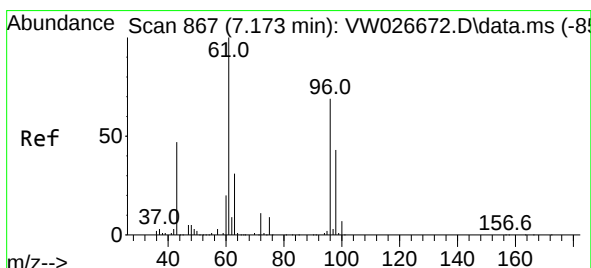
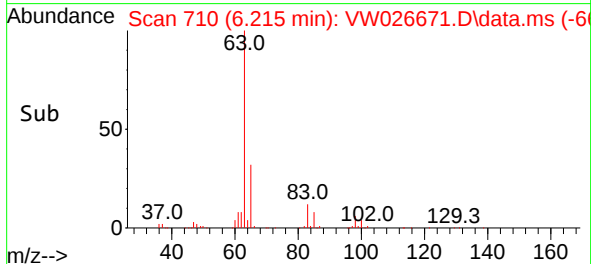
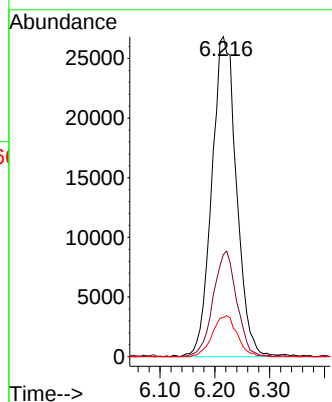
Tgt Ion: 63 Resp: 83694

Ion Ratio Lower Upper

63 100

65 32.0 21.8 40.6

83 12.3 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 4.914 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

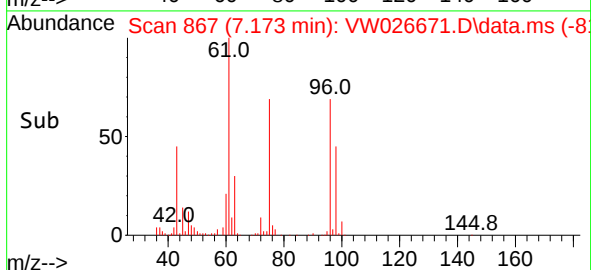
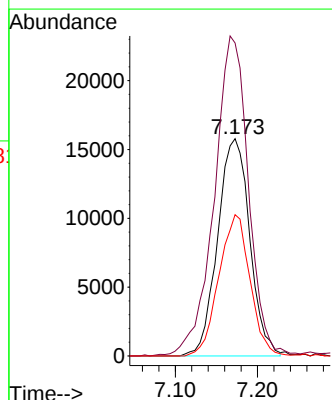
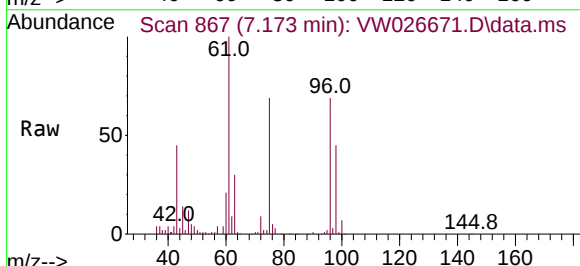
Tgt Ion: 96 Resp: 42872

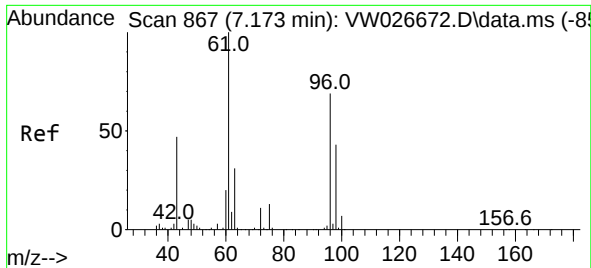
Ion Ratio Lower Upper

96 100

61 144.1 101.2 188.0

98 65.1 43.8 81.3

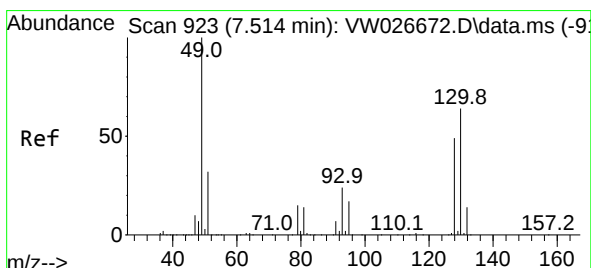
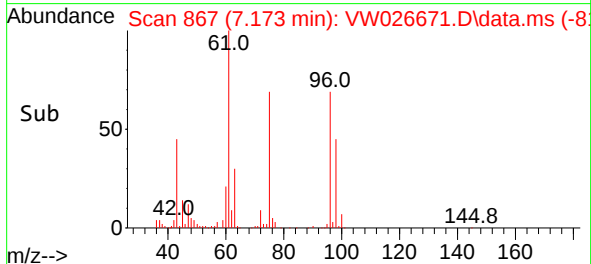
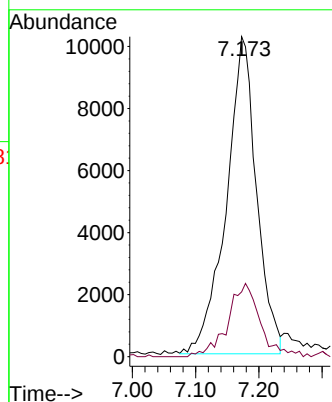
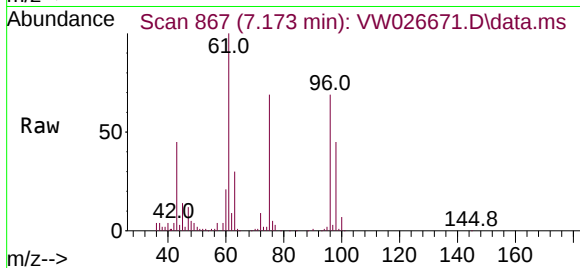




#22
2-Butanone
Concen: 10.004 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

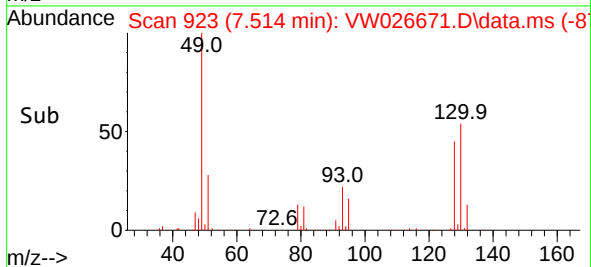
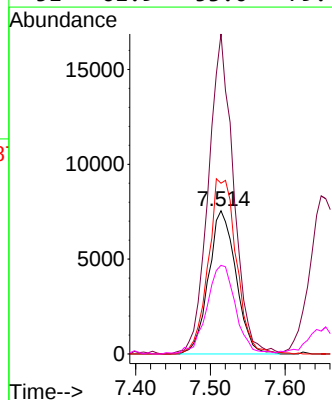
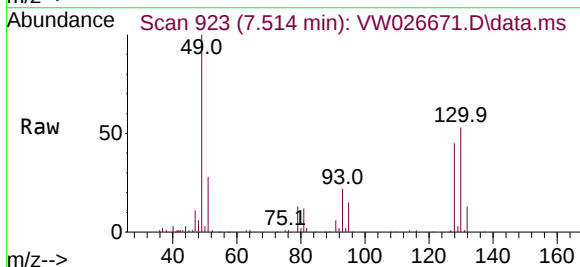
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

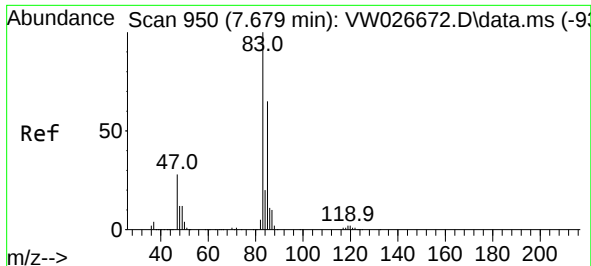
Tgt Ion: 43 Resp: 34081
Ion Ratio Lower Upper
43 100
72 12.9 11.8 35.4



#23
Bromochloromethane
Concen: 5.092 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion: 128 Resp: 19188
Ion Ratio Lower Upper
128 100
49 223.4 143.1 265.7
130 119.2 91.8 170.4
51 61.9 53.0 79.4





#25

Chloroform

Concen: 4.920 ug/L

RT: 7.679 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

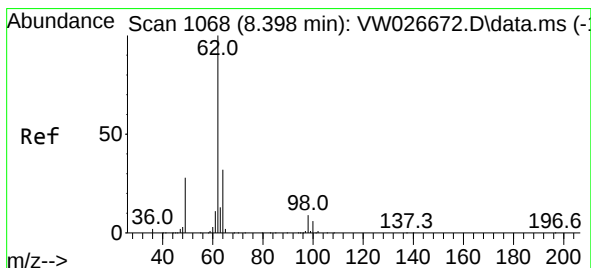
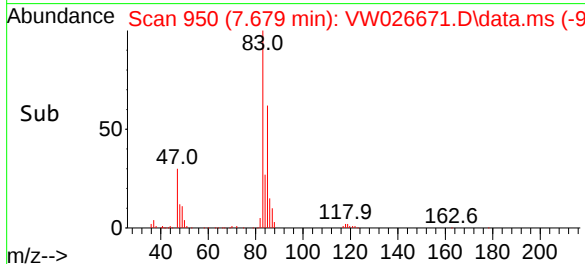
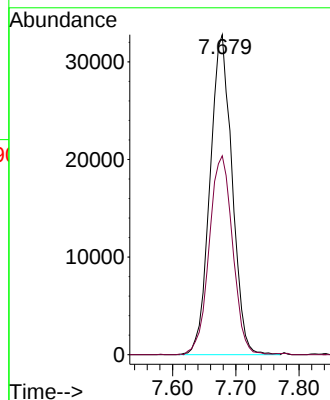
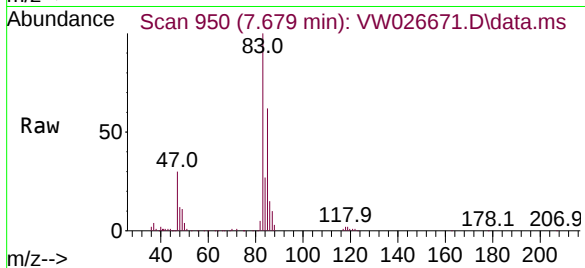
VSTD005421

Tgt Ion: 83 Resp: 79398

Ion Ratio Lower Upper

83 100

85 62.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 5.032 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW026671.D

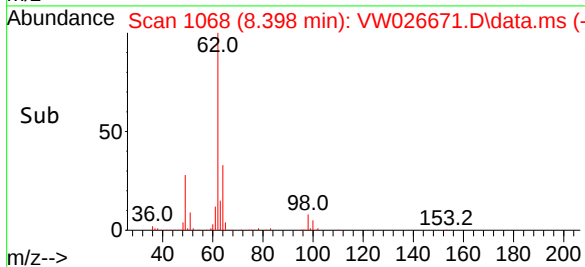
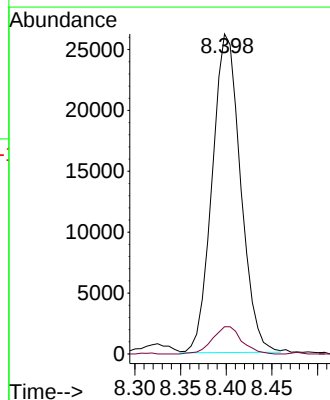
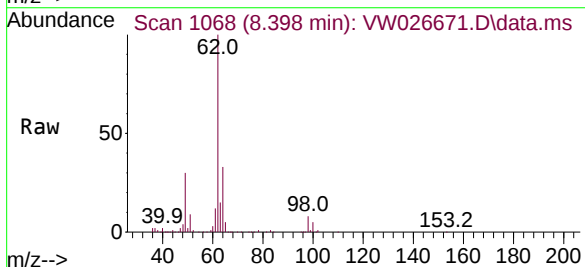
Acq: 10 Aug 2023 10:44

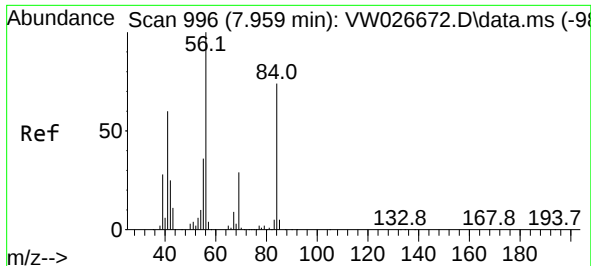
Tgt Ion: 62 Resp: 56657

Ion Ratio Lower Upper

62 100

98 8.5 7.1 10.7





#29

Cyclohexane

Concen: 4.194 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421

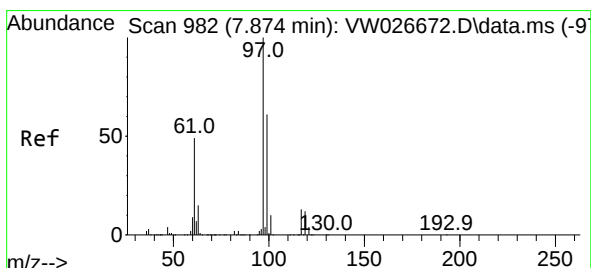
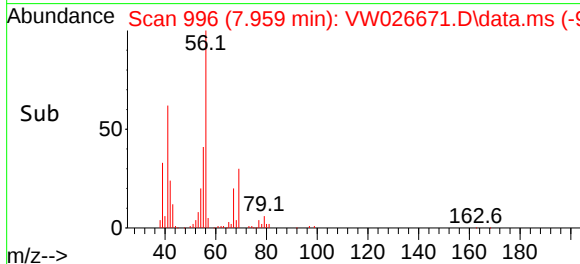
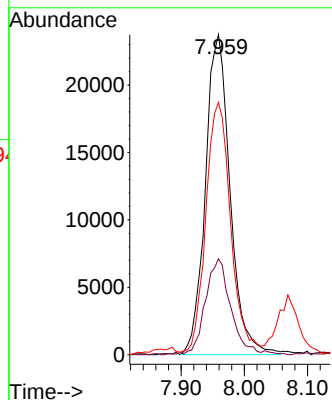
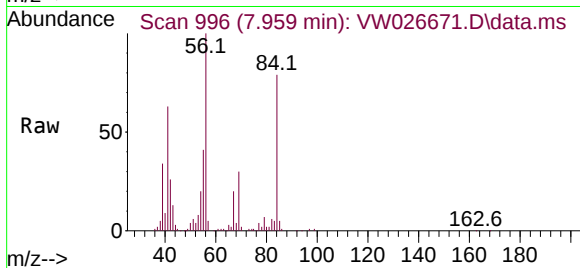
Tgt Ion: 56 Resp: 64556

Ion Ratio Lower Upper

56 100

69 29.6 23.2 34.8

84 79.5 62.7 94.1



#30

1,1,1-Trichloroethane

Concen: 4.886 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

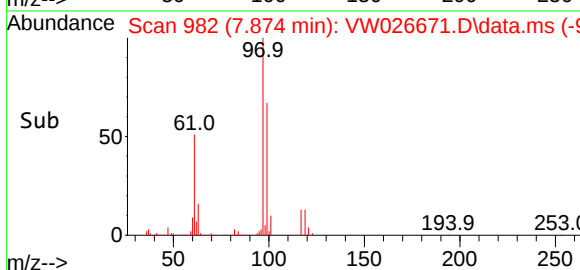
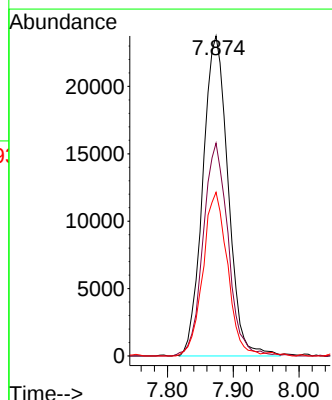
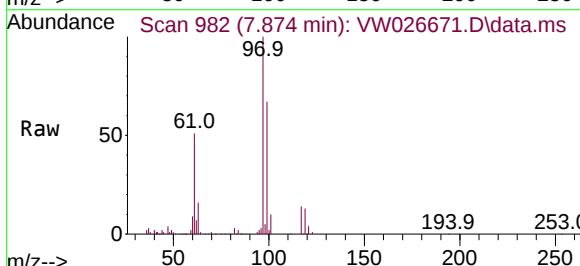
Tgt Ion: 97 Resp: 63467

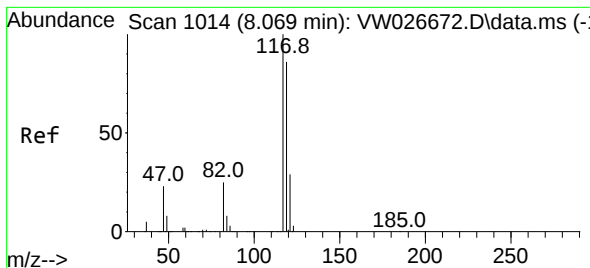
Ion Ratio Lower Upper

97 100

99 65.0 51.2 76.8

61 49.6 39.2 58.8

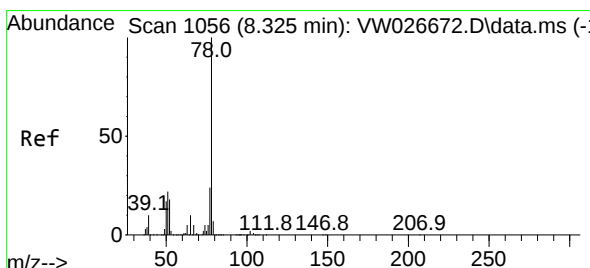
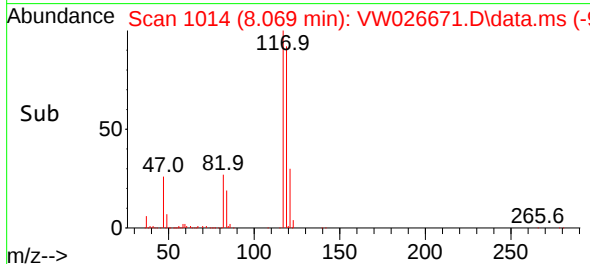
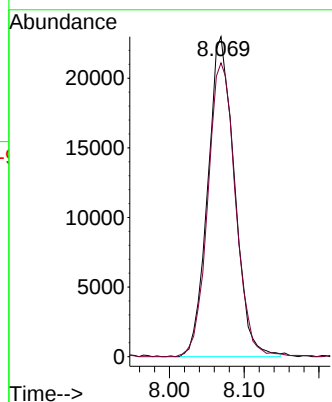
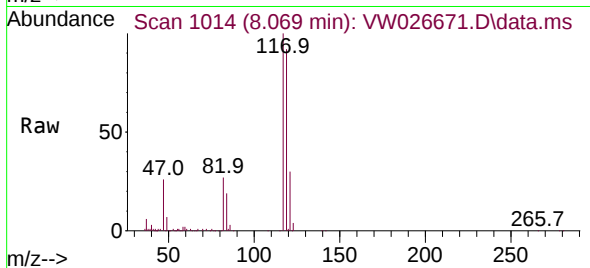




#31
Carbon tetrachloride
Concen: 4.807 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

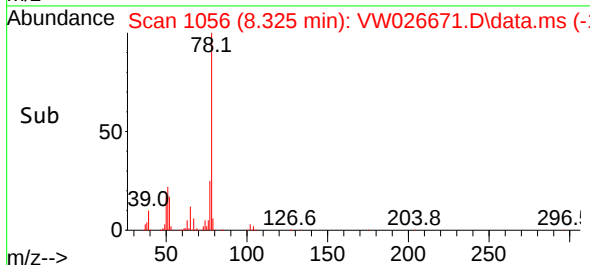
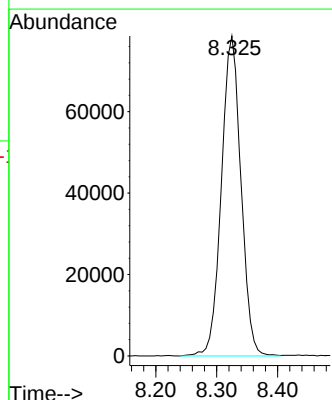
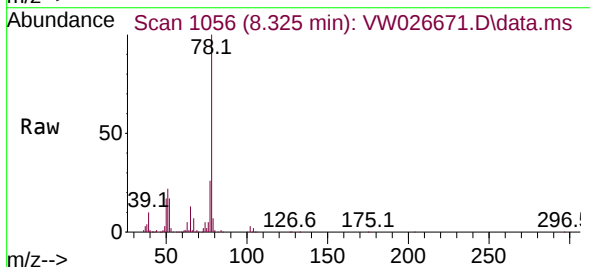
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

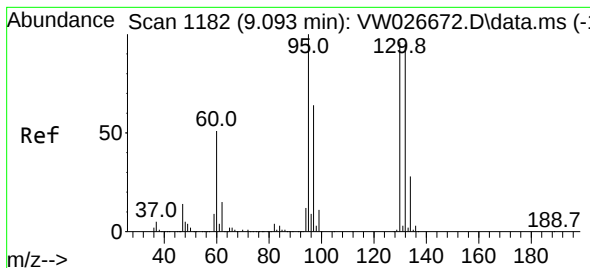
Tgt Ion:117 Resp: 57091
Ion Ratio Lower Upper
117 100
119 94.6 73.0 109.4



#33
Benzene
Concen: 4.843 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion: 78 Resp: 175515





#34

Trichloroethene

Concen: 4.806 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421

Tgt Ion: 95 Resp: 44364

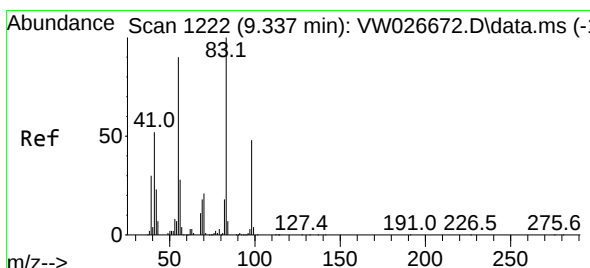
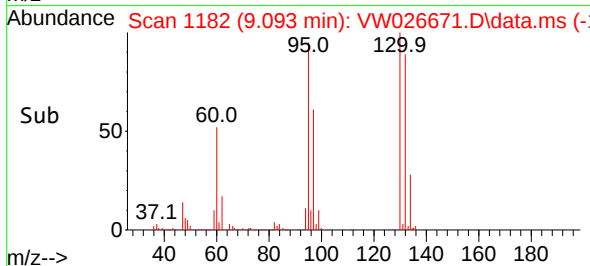
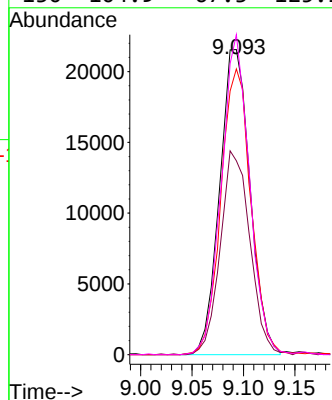
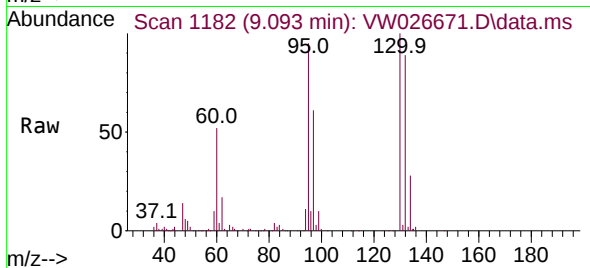
Ion Ratio Lower Upper

95 100

97 63.6 44.6 82.8

132 93.7 66.4 123.2

130 104.9 67.3 125.1



#35

Methylcyclohexane

Concen: 4.295 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

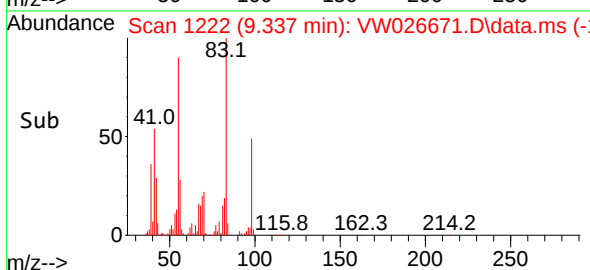
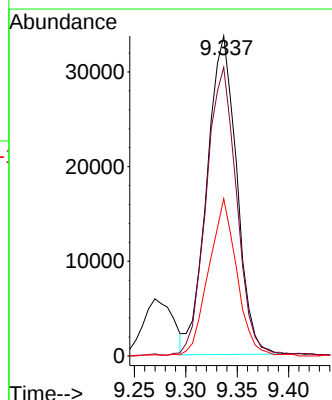
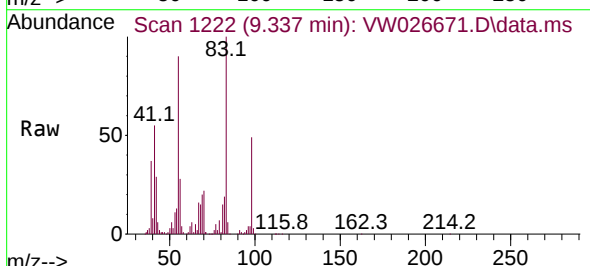
Tgt Ion: 83 Resp: 67821

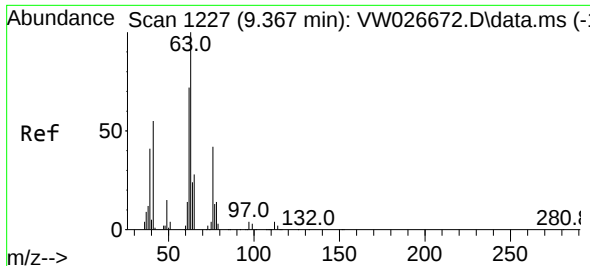
Ion Ratio Lower Upper

83 100

55 92.7 69.3 103.9

98 46.5 37.4 56.0





#37

1,2-Dichloropropane

Concen: 4.863 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

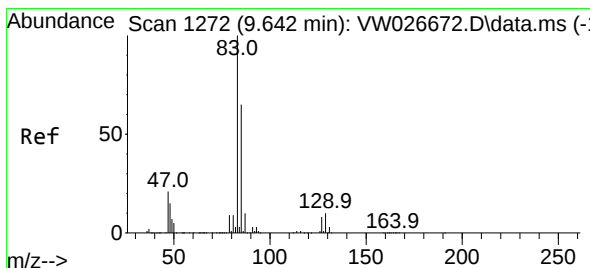
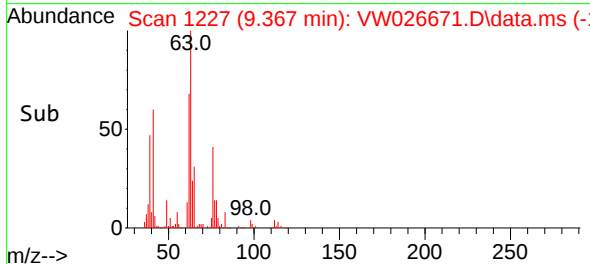
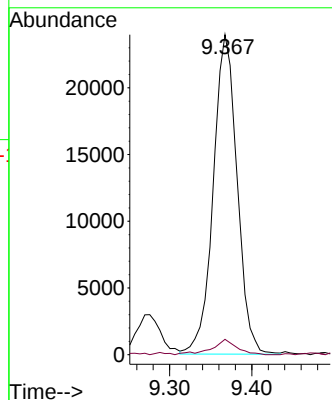
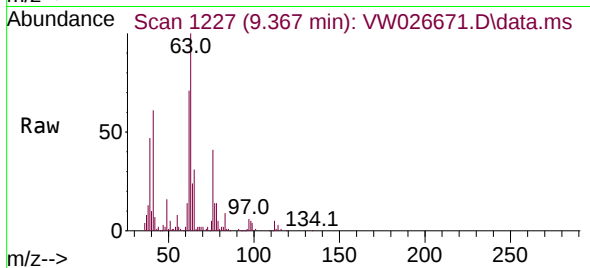
VSTD005421

Tgt Ion: 63 Resp: 48282

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



#38

Bromodichloromethane

Concen: 4.793 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

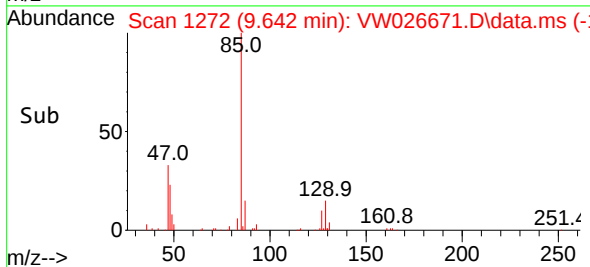
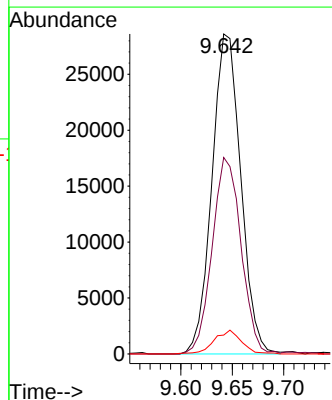
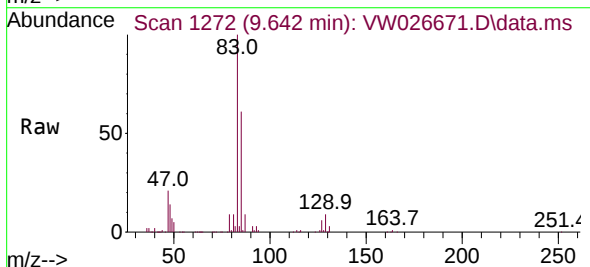
Tgt Ion: 83 Resp: 55821

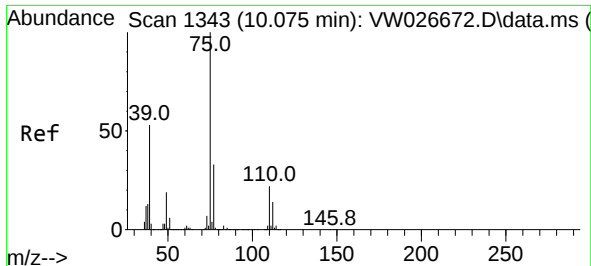
Ion Ratio Lower Upper

83 100

85 61.4 45.4 84.2

127 5.9 6.2 9.2#





#39

cis-1,3-Dichloropropene

Concen: 4.430 ug/L

RT: 10.075 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

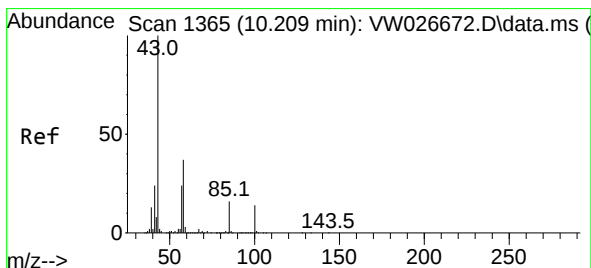
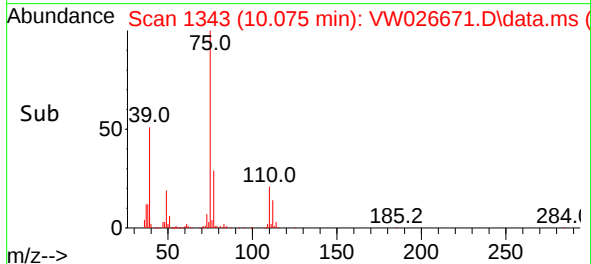
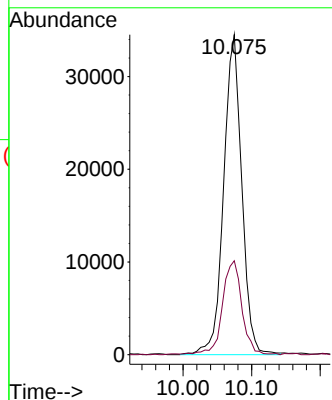
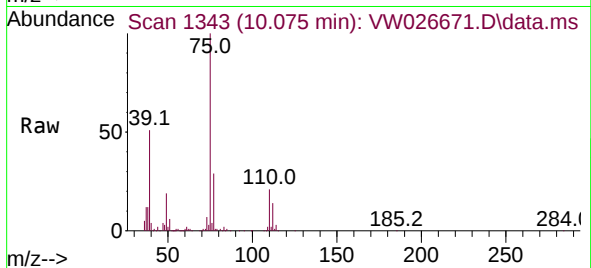
VSTD005421

Tgt Ion: 75 Resp: 63263

Ion Ratio Lower Upper

75 100

77 29.3 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 8.577 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

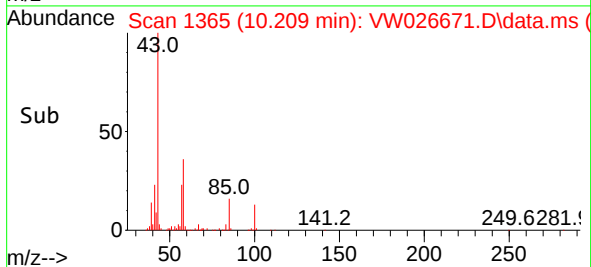
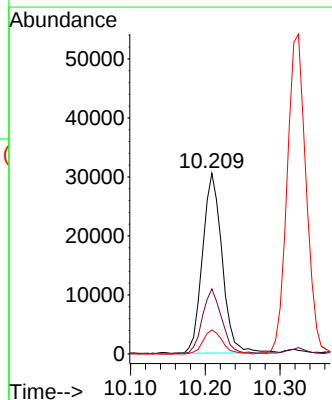
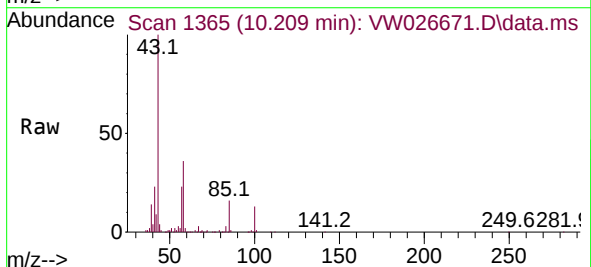
Tgt Ion: 43 Resp: 55385

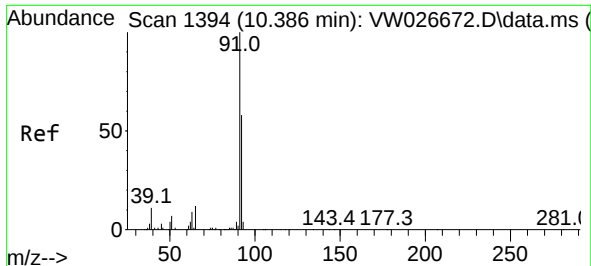
Ion Ratio Lower Upper

43 100

58 35.8 29.2 43.8

100 13.1 10.7 16.1

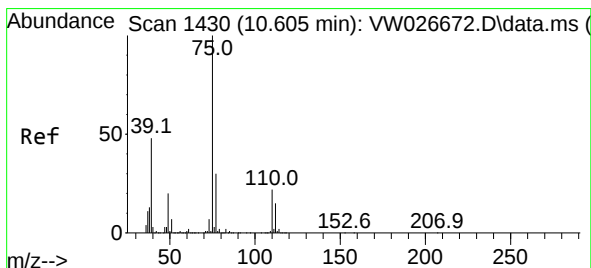
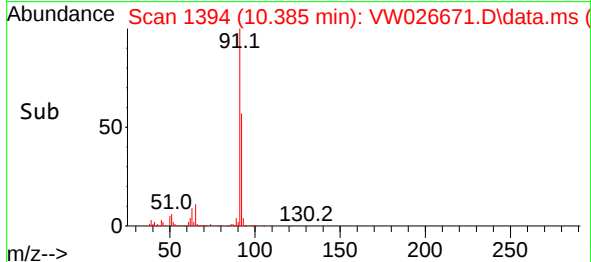
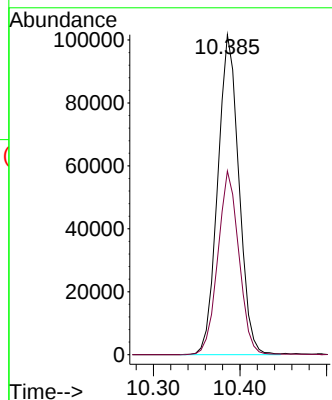
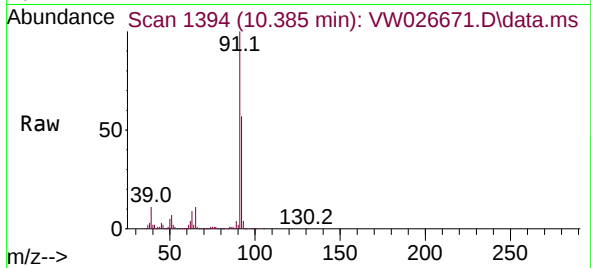




#42
Toluene
Concen: 4.706 ug/L
RT: 10.385 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

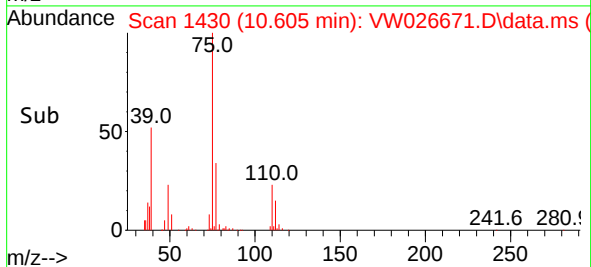
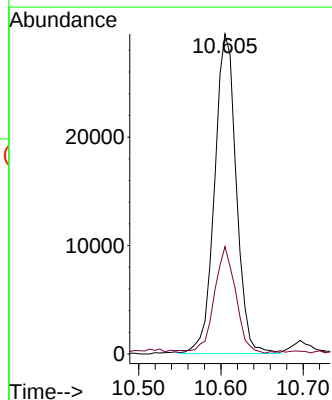
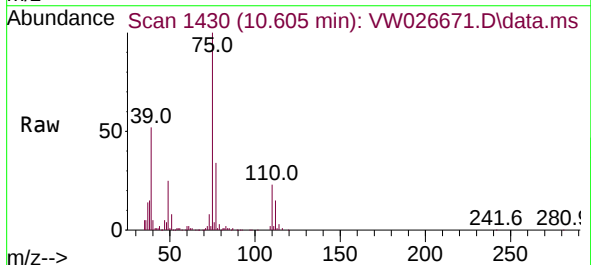
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

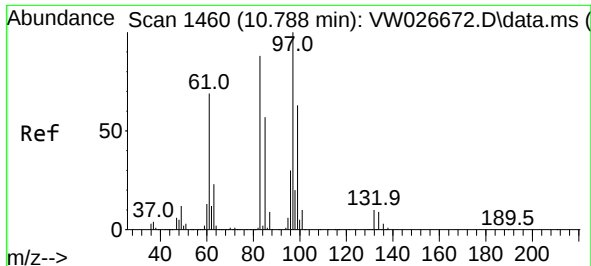
Tgt Ion: 91 Resp: 172555
Ion Ratio Lower Upper
91 100
92 57.4 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 4.400 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion: 75 Resp: 54092
Ion Ratio Lower Upper
75 100
77 33.6 21.2 39.4

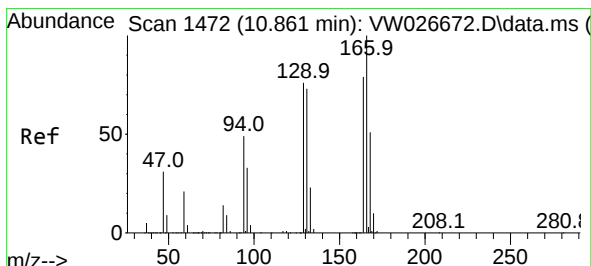
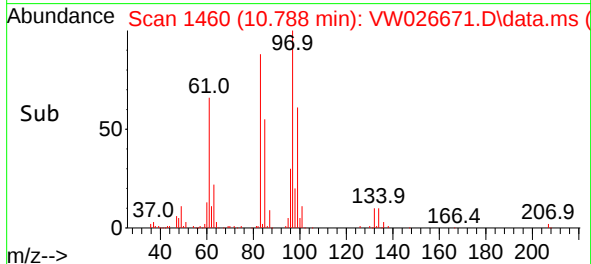
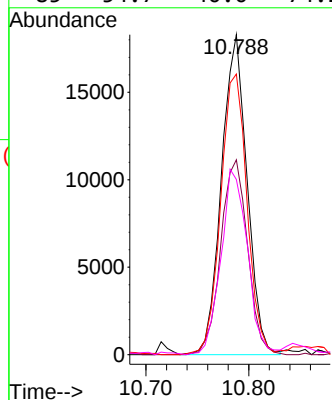
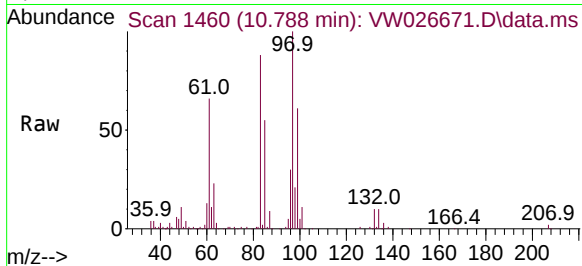




#45
1,1,2-Trichloroethane
Concen: 4.661 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

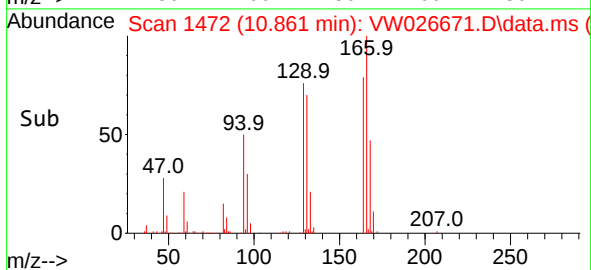
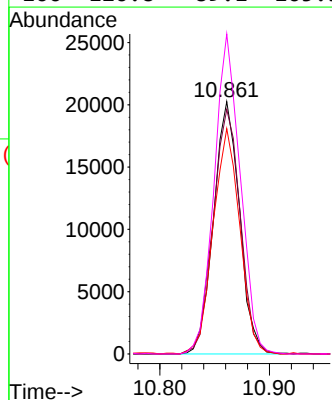
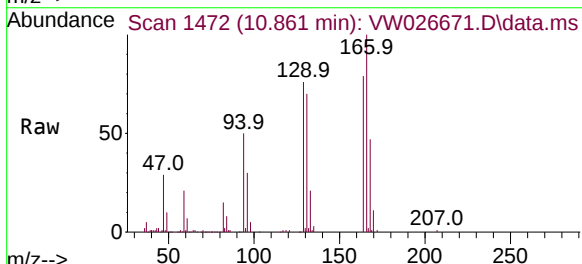
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

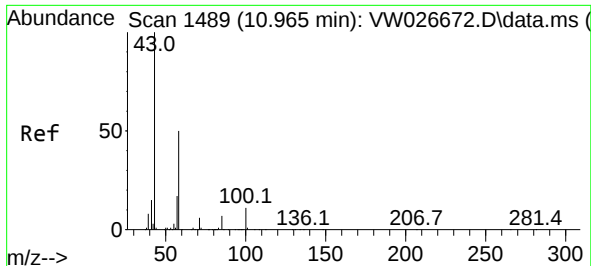
Tgt Ion: 97	Resp: 31645
Ion Ratio	Lower Upper
97 100	
99 60.9	44.2 82.0
83 87.7	61.9 114.9
85 54.7	40.0 74.2



#46
Tetrachloroethene
Concen: 4.962 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt	Ion:164	Resp:	33274
Ion	Ratio	Lower	Upper
164	100		
129	96.9	68.1	126.5
131	89.3	65.5	121.7
166	126.8	89.1	165.5

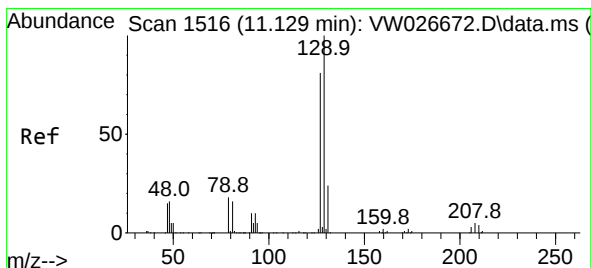
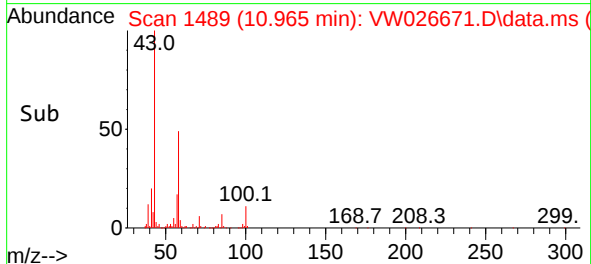
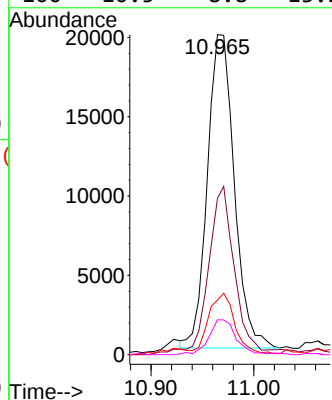
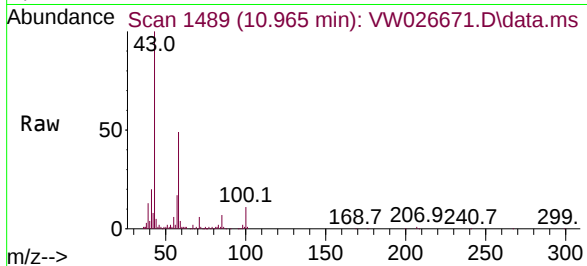




#48
2-Hexanone
Concen: 8.200 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

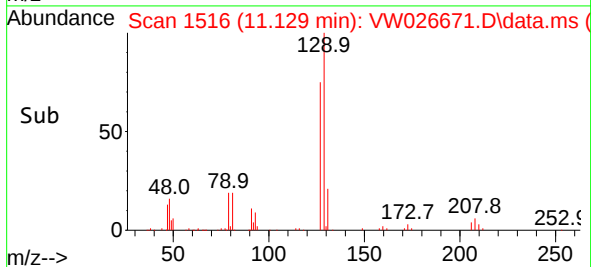
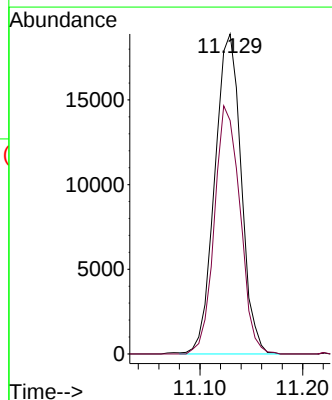
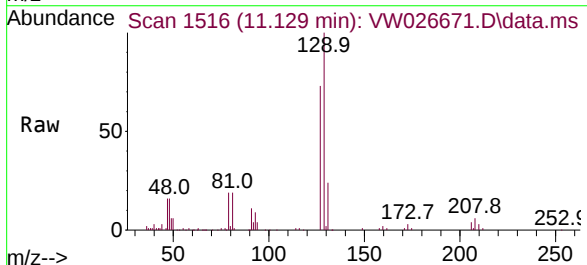
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

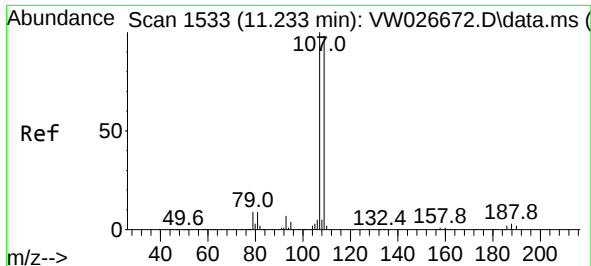
Tgt Ion: 43	Resp: 36031
Ion Ratio	Lower Upper
43 100	
58 49.6	41.1 61.7
57 19.0	14.3 21.5
100 10.5	8.8 13.2



#49
Dibromochloromethane
Concen: 4.745 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion:129	Resp:	33694	
Ion	Ratio	Lower	Upper
129	100		
127	73.0	56.6	105.2

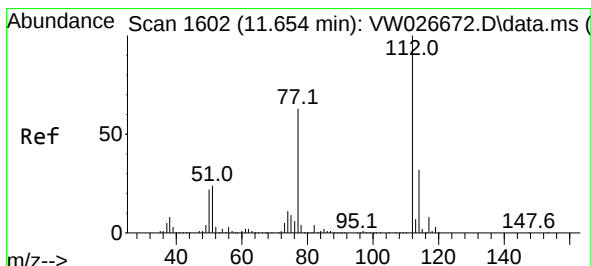
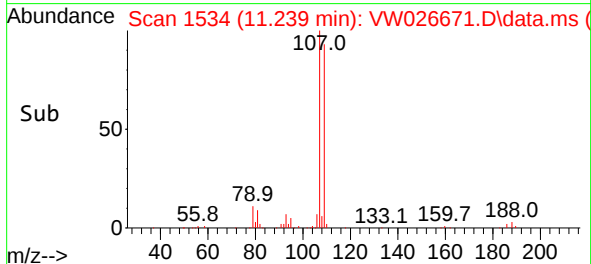
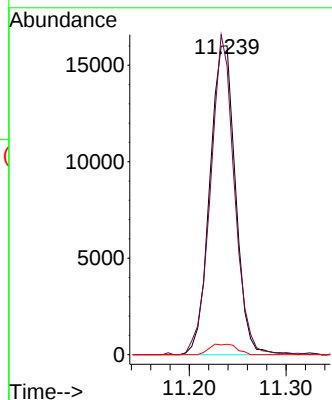
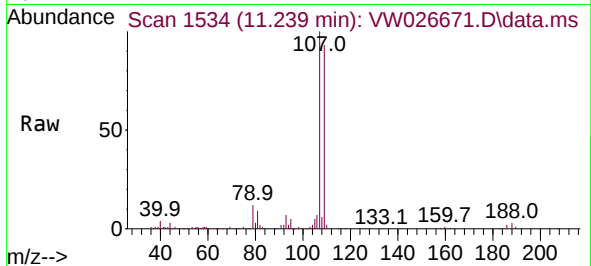




#50
1,2-Dibromoethane
Concen: 4.619 ug/L
RT: 11.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

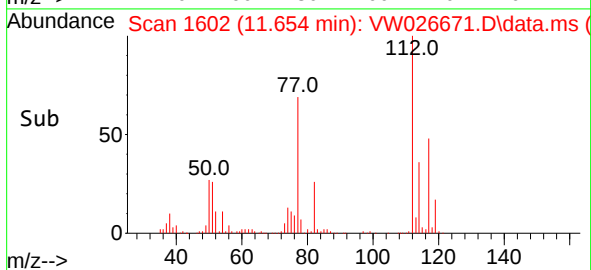
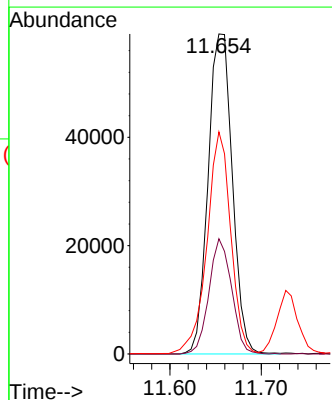
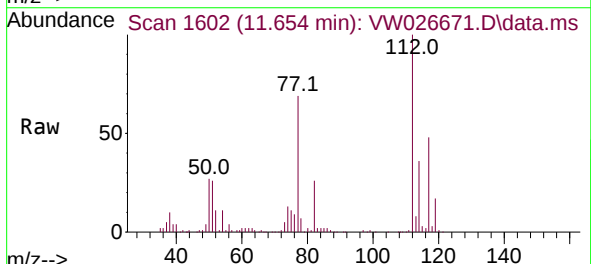
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

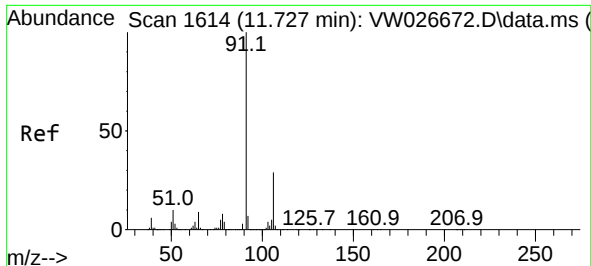
Tgt Ion:	107	Resp:	29425
Ion	Ratio	Lower	Upper
107	100		
109	93.5	68.8	127.8
188	3.4	2.7	4.1



#51
Chlorobenzene
Concen: 4.697 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion:	112	Resp:	108790
Ion	Ratio	Lower	Upper
112	100		
114	36.0	22.4	41.6
77	69.4	50.2	75.2

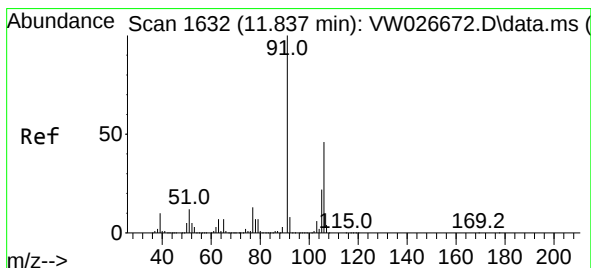
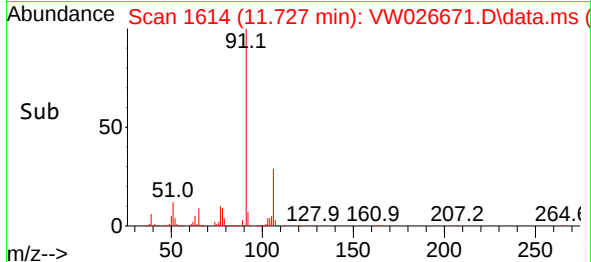
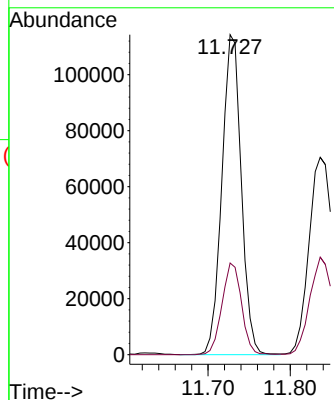
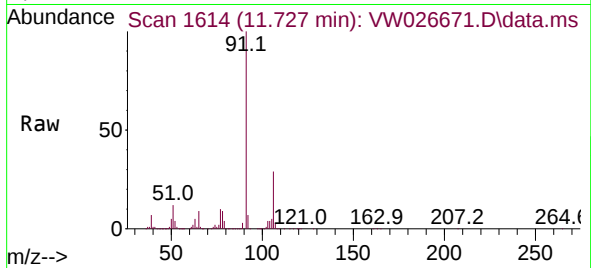




#52
Ethylbenzene
Concen: 4.562 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

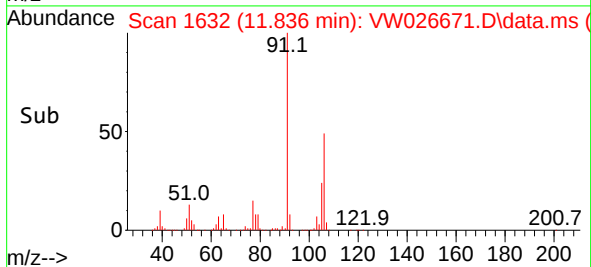
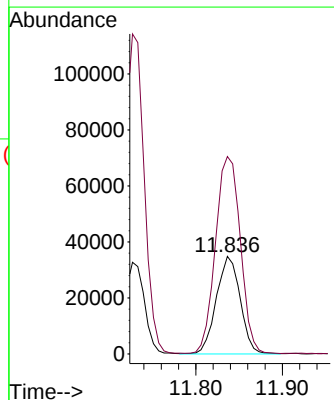
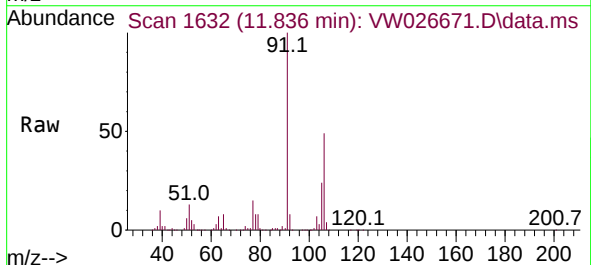
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

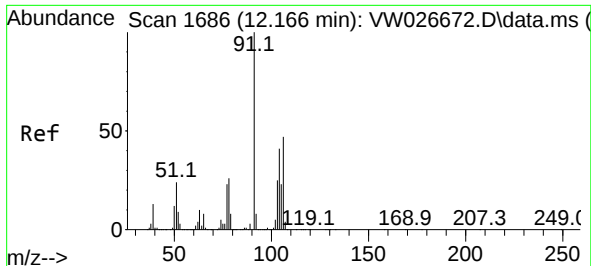
Tgt Ion: 91 Resp: 187568
Ion Ratio Lower Upper
91 100
106 28.7 20.2 37.6



#53
m,p-Xylene
Concen: 4.384 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion:106 Resp: 66773
Ion Ratio Lower Upper
106 100
91 202.5 152.9 284.1

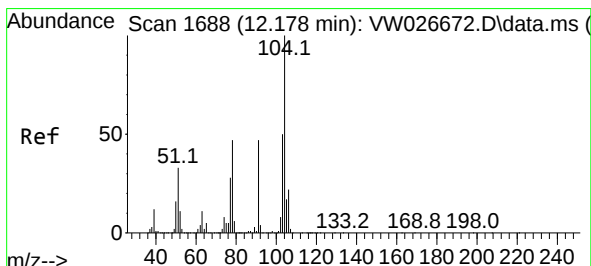
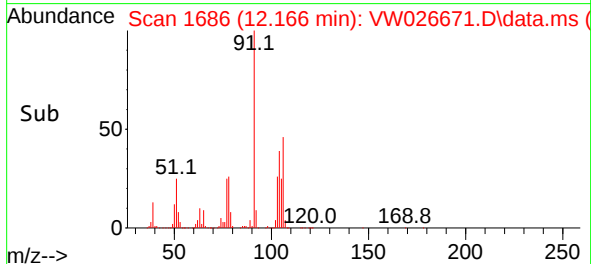
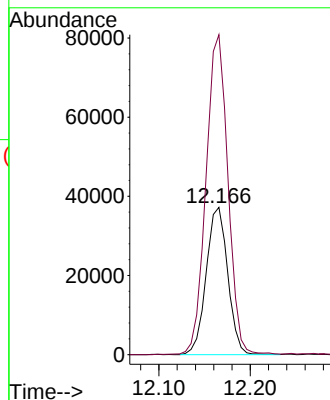
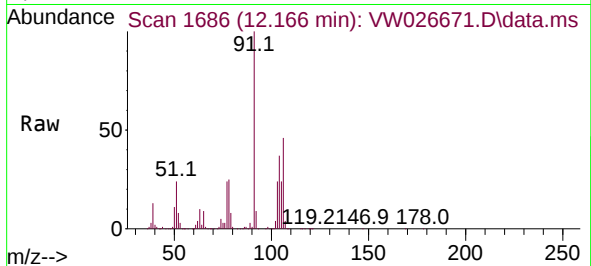




#54
o-Xylene
Concen: 4.289 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

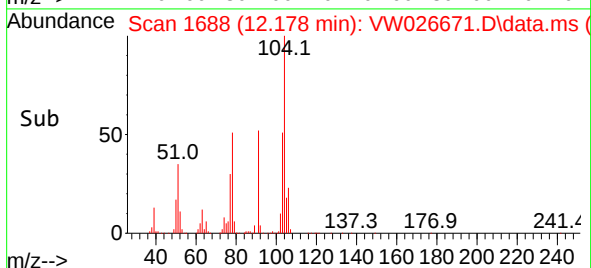
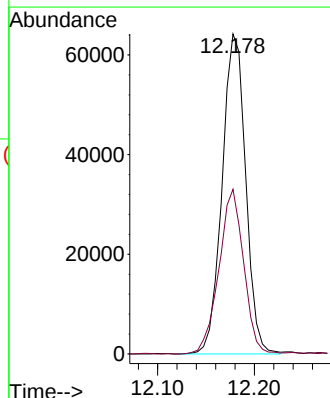
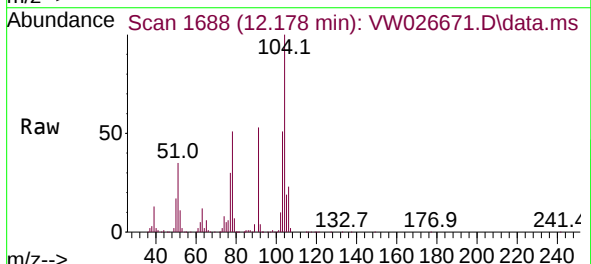
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

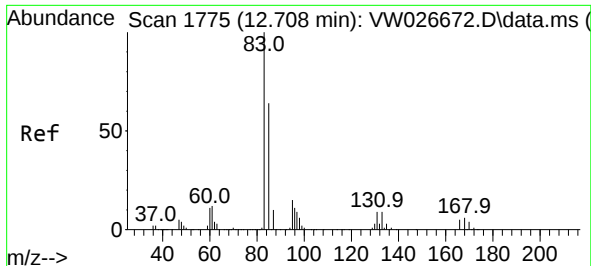
Tgt Ion:106 Resp: 60978
Ion Ratio Lower Upper
106 100
91 217.2 149.9 278.3



#55
Styrene
Concen: 4.386 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion:104 Resp: 108410
Ion Ratio Lower Upper
104 100
78 51.5 33.0 61.2





#57

1,1,2,2-Tetrachloroethane

Concen: 4.755 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421

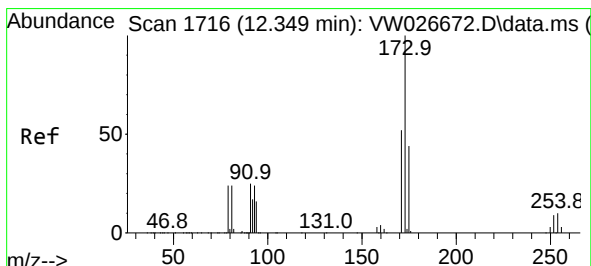
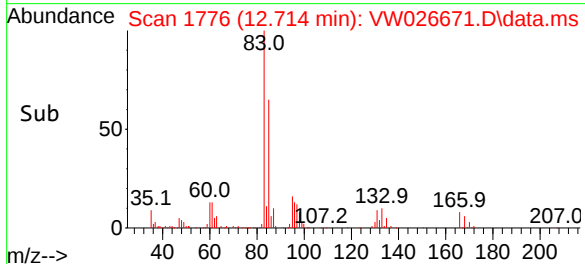
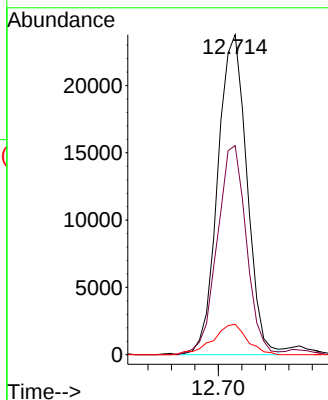
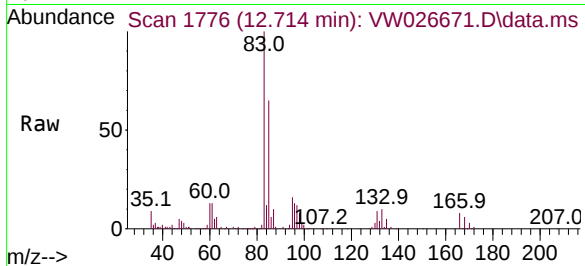
Tgt Ion: 83 Resp: 40889

Ion Ratio Lower Upper

83 100

85 65.4 44.9 83.3

131 9.5 7.4 11.0



#59

Bromoform

Concen: 4.482 ug/L

RT: 12.342 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

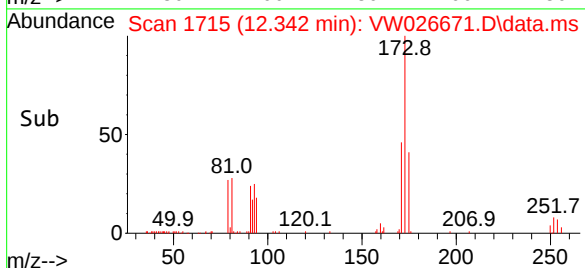
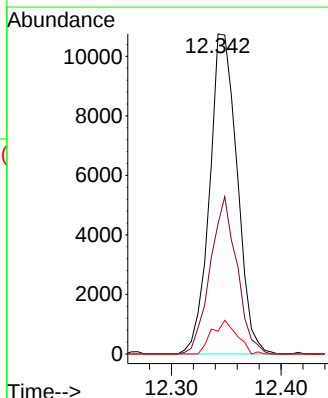
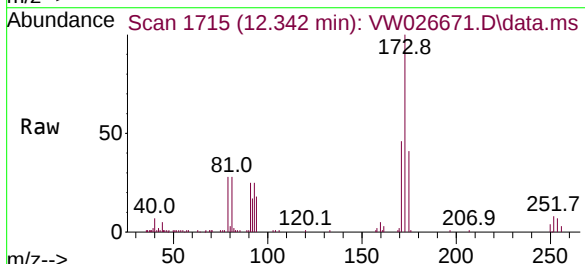
Tgt Ion: 173 Resp: 18800

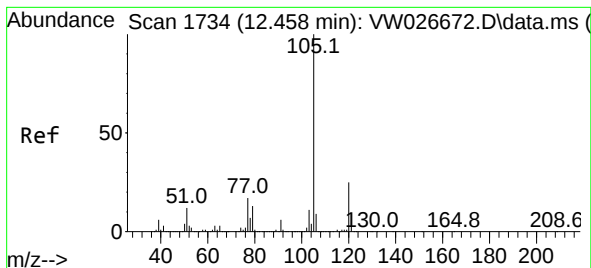
Ion Ratio Lower Upper

173 100

175 47.6 36.6 55.0

254 9.4 7.8 11.6





#60

Isopropylbenzene

Concen: 4.313 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421

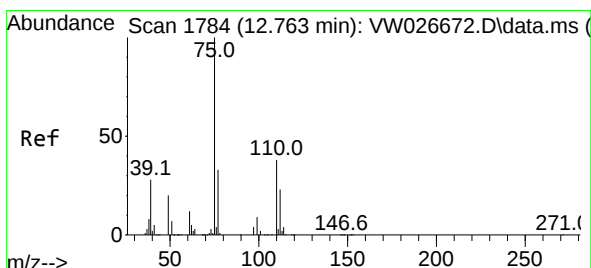
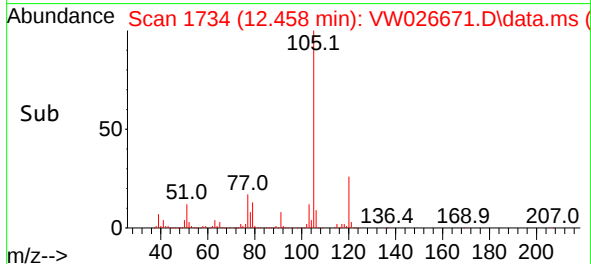
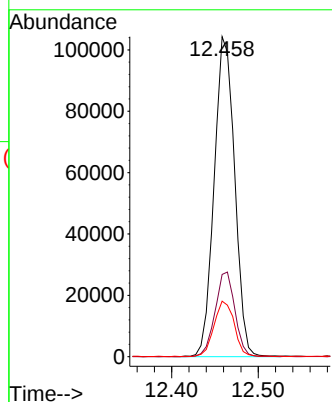
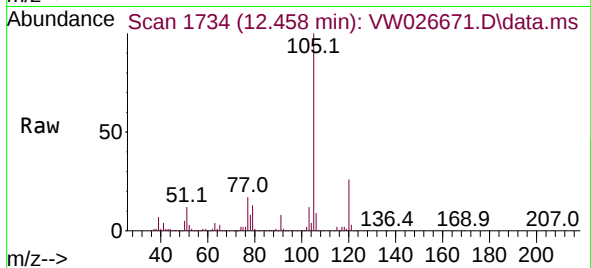
Tgt Ion:105 Resp: 171699

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

77 17.0 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 4.823 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

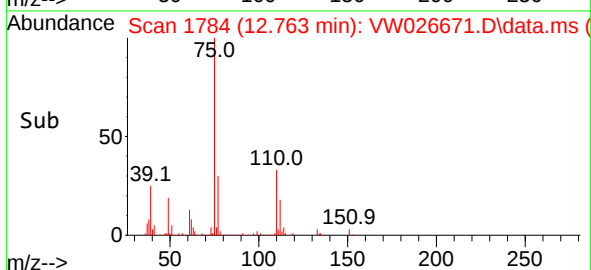
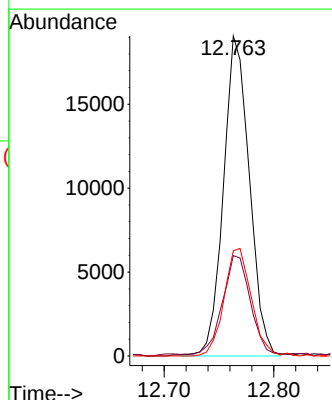
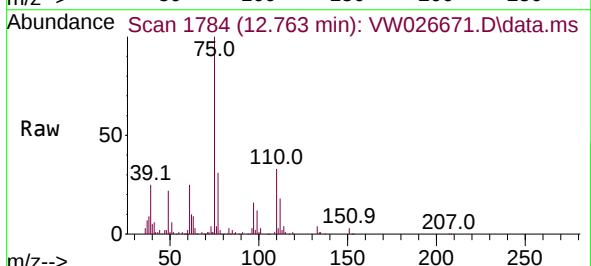
Tgt Ion: 75 Resp: 31325

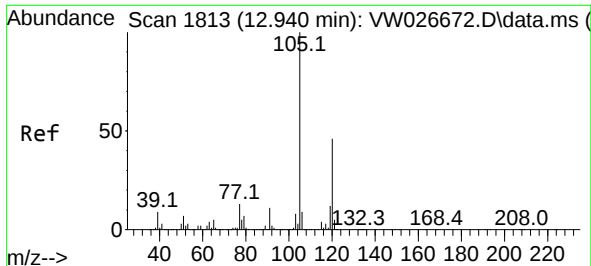
Ion Ratio Lower Upper

75 100

77 32.4 26.1 39.1

110 35.2 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 4.017 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

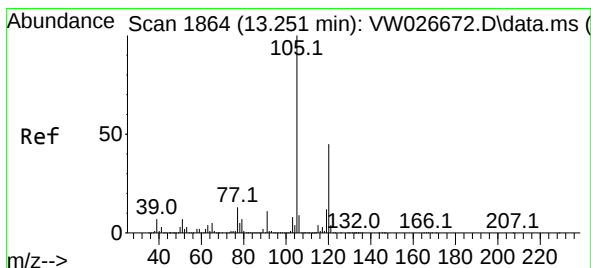
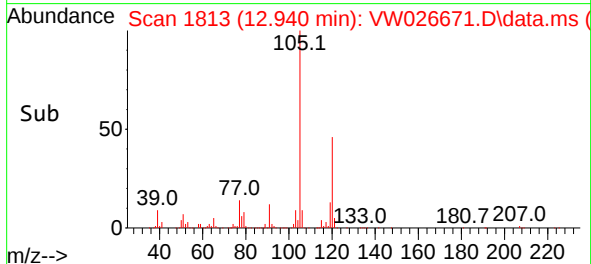
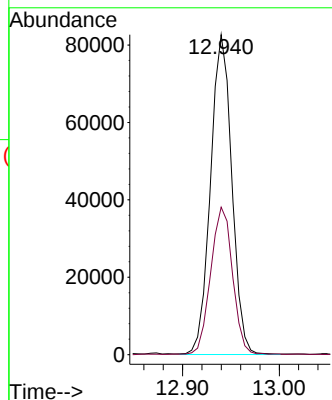
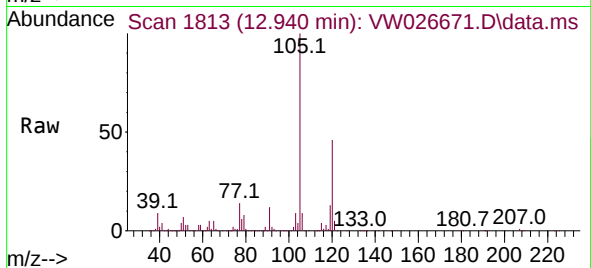
VSTD005421

Tgt Ion:105 Resp: 126383

Ion Ratio Lower Upper

105 100

120 47.4 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 4.109 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.006 min

Lab File: VW026671.D

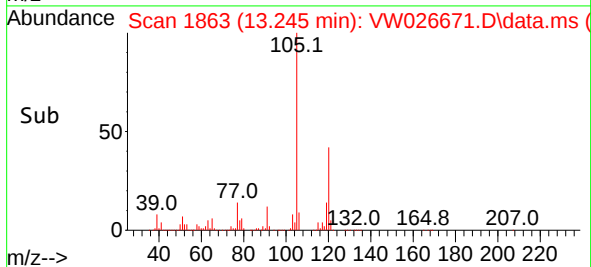
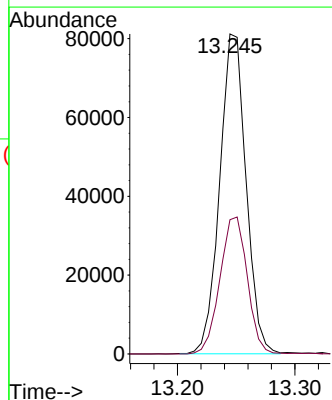
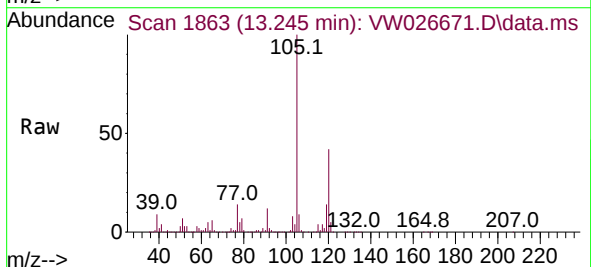
Acq: 10 Aug 2023 10:44

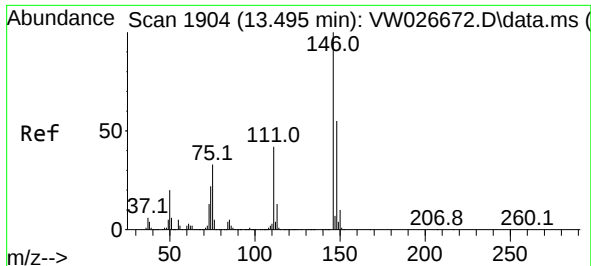
Tgt Ion:105 Resp: 126702

Ion Ratio Lower Upper

105 100

120 44.5 36.2 54.4

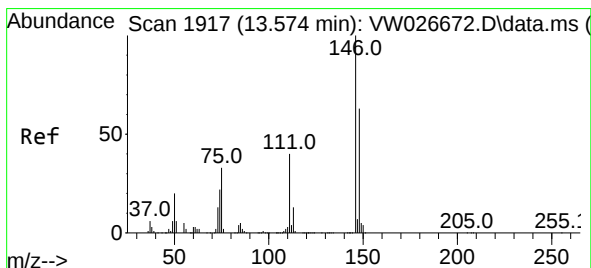
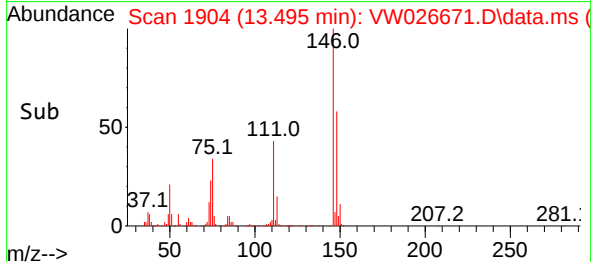
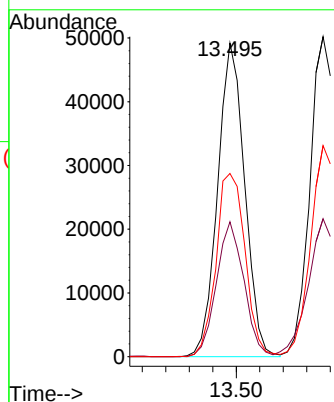
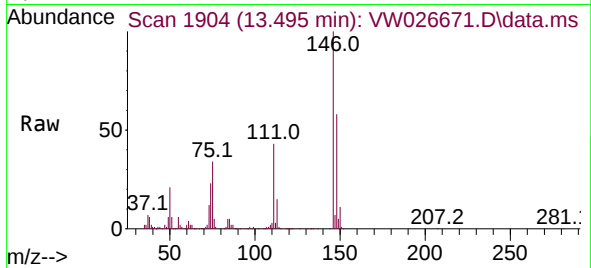




#64
1,3-Dichlorobenzene
Concen: 4.542 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

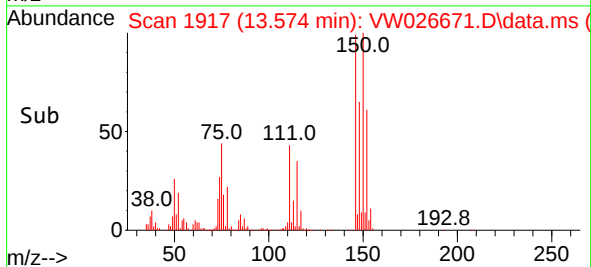
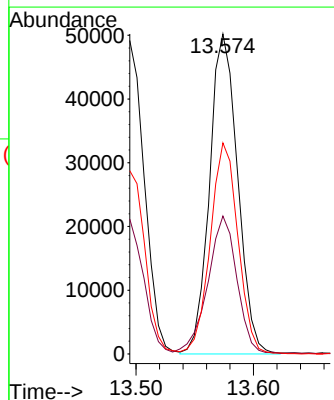
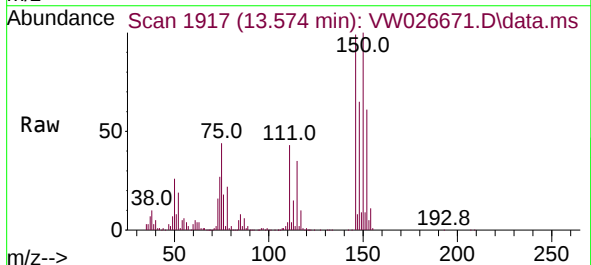
Instrument :
MSVOA_W
ClientSampleId :
VSTD005421

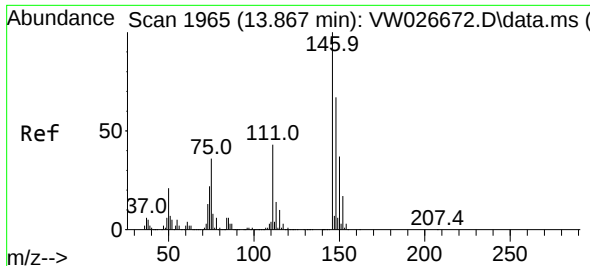
Tgt Ion:146 Resp: 78632
Ion Ratio Lower Upper
146 100
111 43.0 29.1 54.1
148 58.4 38.8 72.0



#65
1,4-Dichlorobenzene
Concen: 4.615 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026671.D
Acq: 10 Aug 2023 10:44

Tgt Ion:146 Resp: 83384
Ion Ratio Lower Upper
146 100
111 43.1 28.3 52.7
148 66.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 4.630 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421

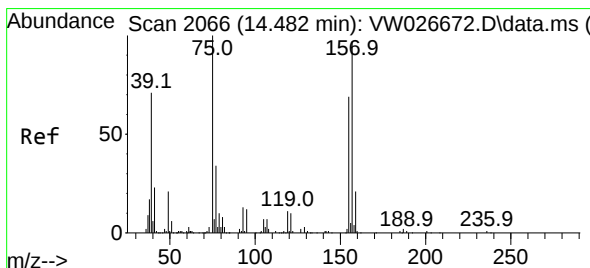
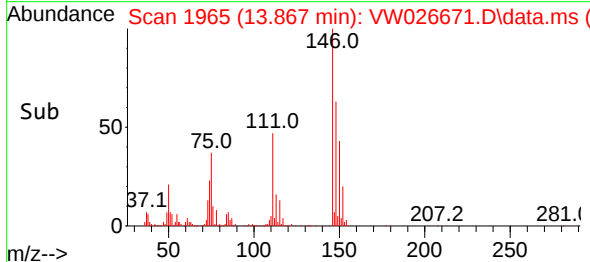
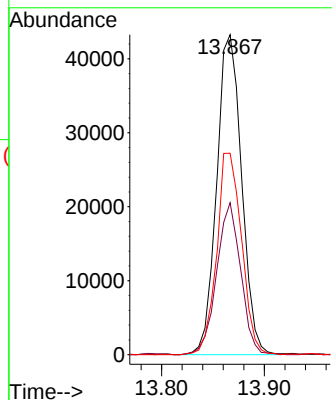
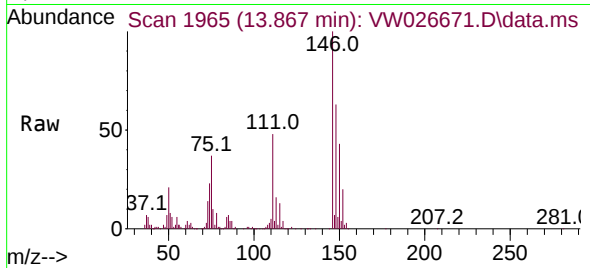
Tgt Ion:146 Resp: 72895

Ion Ratio Lower Upper

146 100

111 47.5 34.6 52.0

148 62.9 53.4 80.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.777 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

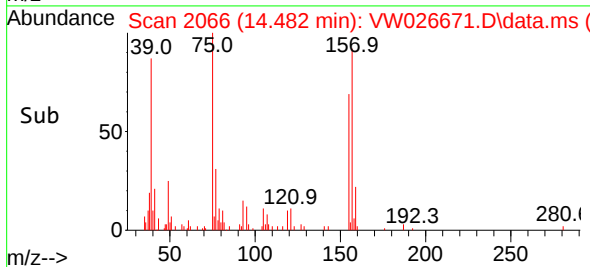
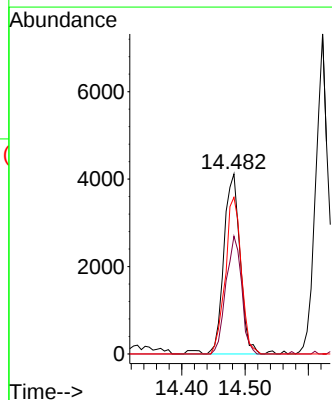
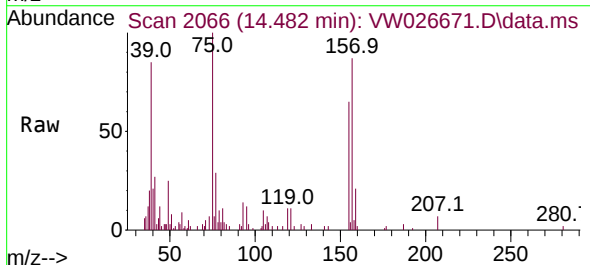
Tgt Ion: 75 Resp: 7420

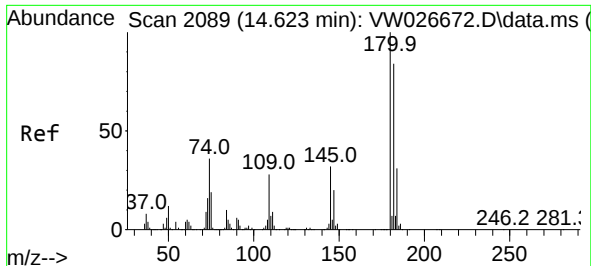
Ion Ratio Lower Upper

75 100

155 65.4 55.0 82.6

157 87.0 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 4.214 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026671.D

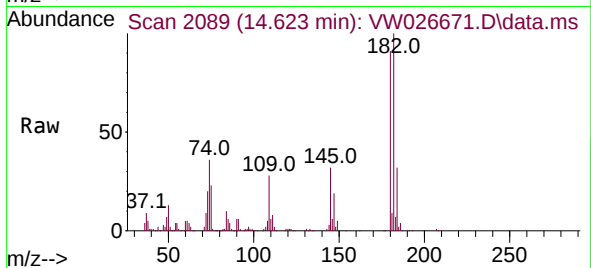
Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421



Tgt Ion:180 Resp: 49286

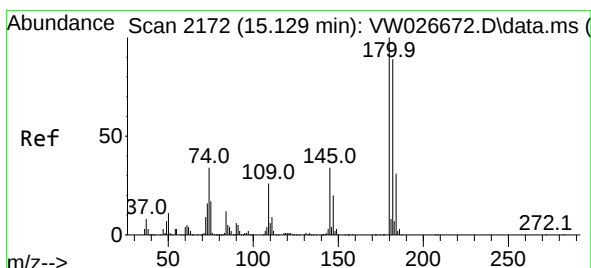
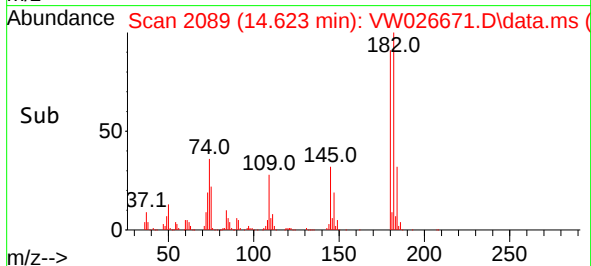
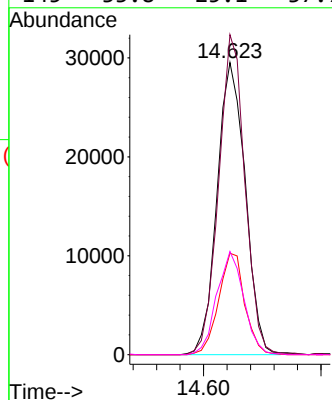
Ion Ratio Lower Upper

180 100

182 102.1 75.2 112.8

184 32.2 23.8 35.8

145 33.8 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 4.307 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

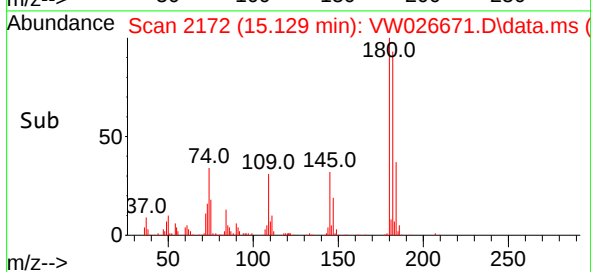
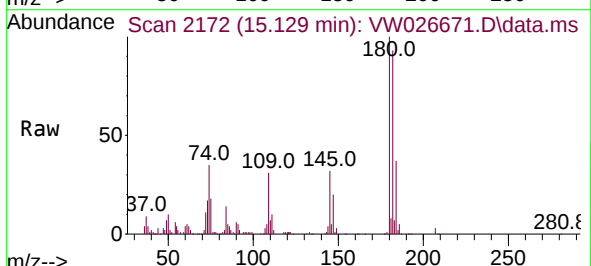
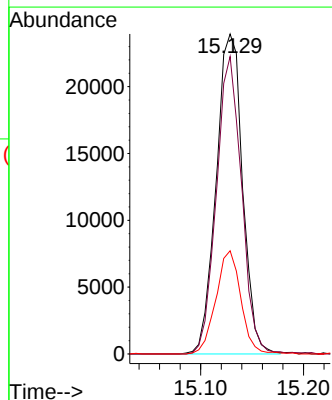
Tgt Ion:180 Resp: 42708

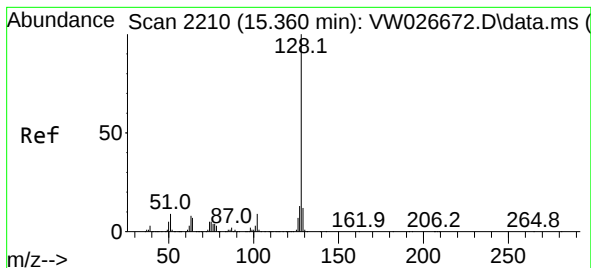
Ion Ratio Lower Upper

180 100

182 88.5 72.5 108.7

145 30.5 24.7 37.1





#71

Naphthalene

Concen: 3.715 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Instrument :

MSVOA_W

ClientSampleId :

VSTD005421

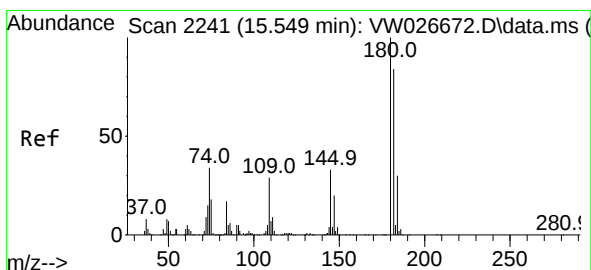
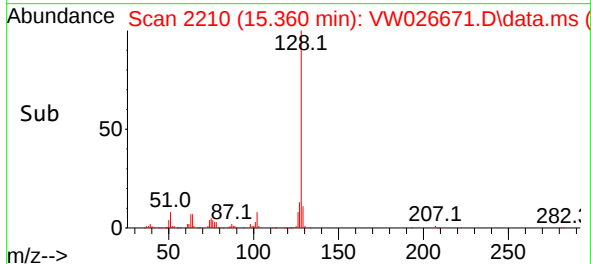
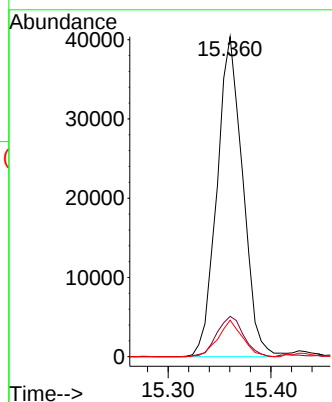
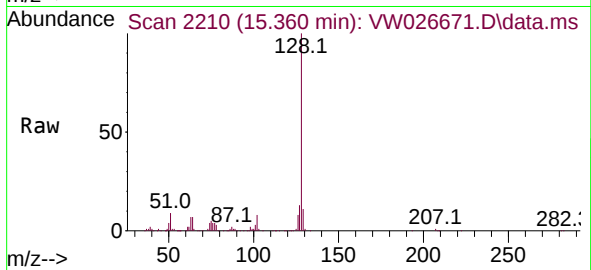
Tgt Ion:128 Resp: 70282

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.8 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 4.125 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026671.D

Acq: 10 Aug 2023 10:44

Tgt Ion:180 Resp: 36899

Ion Ratio Lower Upper

180 100

182 97.8 74.6 112.0

145 36.1 27.0 40.6

