

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071322\
 Data File : VW023641.D
 Acq On : 13 Jul 2022 11:42
 Operator : SY/VA
 Sample : VSTD2.550
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5450

Quant Time: Jul 14 01:26:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 14 01:25:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	209738	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	206554	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	104980	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	10549	1.979	ug/L	0.00
7) Chloroethane-d5	2.873	69	3733	1.053	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.855	63	93	0.021	ug/L	-0.16
21) 2-Butanone-d5	7.086	46	4157	5.123	ug/L	0.00
24) Chloroform-d	7.653	84	15009	2.458	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	8678	2.324	ug/L	0.00
32) Benzene-d6	8.268	84	23937	2.229	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	8086	2.500	ug/L	0.00
41) Toluene-d8	10.323	98	22591	2.074	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.573	79	3087	2.036	ug/L	0.00
47) 2-Hexanone-d5	10.926	63	3089	4.542	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	8827	2.470	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	9148	2.441	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.001	85	2750	1.943	ug/L	99
3) Chloromethane	2.215	50	9750	2.793	ug/L	97
5) Vinyl chloride	2.355	62	16566	2.764	ug/L	96
6) Bromomethane	2.769	94	11676	3.012	ug/L	93
8) Chloroethane	2.910	64	7348	2.621	ug/L	96
9) Trichlorofluoromethane	3.245	101	7909	2.903	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	4.050	101	3819	1.441	ug/L #	47
12) 1,1-Dichloroethene	4.117	96	23	0.010	ug/L	81
13) Acetone	4.178	43	146	0.275	ug/L	54
14) Carbon disulfide	4.379	76	20394	3.118	ug/L #	88
15) Methyl Acetate	4.635	43	103	0.082	ug/L	91
16) Methylene chloride	4.915	84	12561	3.831	ug/L	100
17) trans-1,2-Dichloroethene	5.427	96	7593	2.815	ug/L	79
18) Methyl tert-butyl Ether	5.421	73	5698	1.370	ug/L #	83
19) 1,1-Dichloroethane	6.214	63	13466	2.706	ug/L	95
20) cis-1,2-Dichloroethene	7.171	96	7613	2.545	ug/L #	99
22) 2-Butanone	7.177	43	5362	5.583	ug/L	75
23) Bromochloromethane	7.525	128	1878	1.308	ug/L	93
25) Chloroform	7.677	83	15368	2.681	ug/L	89
27) 1,2-Dichloroethane	8.403	62	11506	2.727	ug/L	99
29) Cyclohexane	7.951	56	9378	2.482	ug/L #	89
30) 1,1,1-Trichloroethane	7.872	97	12508	2.797	ug/L	97
31) Carbon tetrachloride	8.067	117	11043	2.739	ug/L	94
33) Benzene	8.323	78	31355	2.671	ug/L	100
34) Trichloroethene	9.091	95	9182	2.962	ug/L	91
35) Methylcyclohexane	9.329	83	11856	2.512	ug/L	96
37) 1,2-Dichloropropane	9.366	63	8284	2.815	ug/L	100
38) Bromodichloromethane	9.646	83	11186	2.724	ug/L #	94
39) cis-1,3-Dichloropropene	10.073	75	11075	2.497	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	10464	5.110	ug/L	97
42) Toluene	10.390	91	31935	2.386	ug/L	93
44) trans-1,3-Dichloropropene	10.603	75	9527	2.260	ug/L	94

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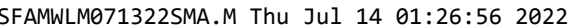
Quant Time: Jul 14 01:26:47 2022
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 Quant Title : SFAM01.0
 QLast Update : Thu Jul 14 01:25:59 2022
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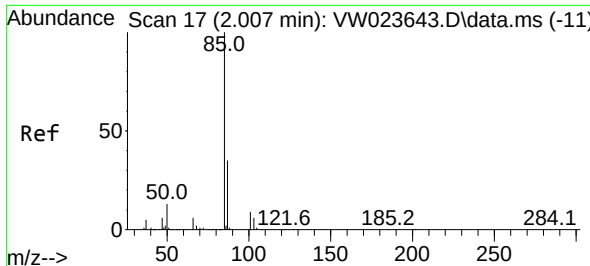
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	10.786	97	6841	2.659	ug/L	94
46) Tetrachloroethene	10.866	164	6570	2.741	ug/L	87
48) 2-Hexanone	10.969	43	7045	4.809	ug/L #	94
49) Dibromochloromethane	11.128	129	7519	2.520	ug/L	93
50) 1,2-Dibromoethane	11.231	107	6315	2.555	ug/L #	97
51) Chlorobenzene	11.652	112	23263	2.577	ug/L	94
52) Ethylbenzene	11.725	91	35389	2.326	ug/L	98
53) m,p-Xylene	11.841	106	13414	2.260	ug/L	96
54) o-Xylene	12.164	106	11722	2.057	ug/L	91
55) Styrene	12.182	104	20003	1.987	ug/L	87
57) 1,1,2,2-Tetrachloroethane	12.713	83	9299	2.649	ug/L #	94
59) Bromoform	12.347	173	3861	2.494	ug/L	98
60) Isopropylbenzene	12.463	105	32071	2.274	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	6664	2.895	ug/L	97
62) 1,3,5-Trimethylbenzene	12.938	105	25059	2.170	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	25002	2.166	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	15908	2.485	ug/L	91
65) 1,4-Dichlorobenzene	13.572	146	18152	2.665	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	15332	2.539	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.481	75	1487	2.801	ug/L	93
69) 1,3,5-Trichlorobenzene	14.627	180	11329	2.673	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	8314	2.541	ug/L	96
71) Naphthalene	15.365	128	15073	2.147	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.548	180	7700	2.524	ug/L	92

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

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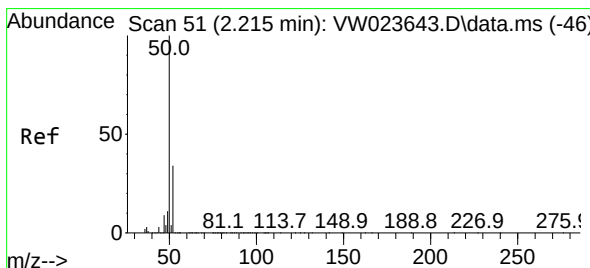
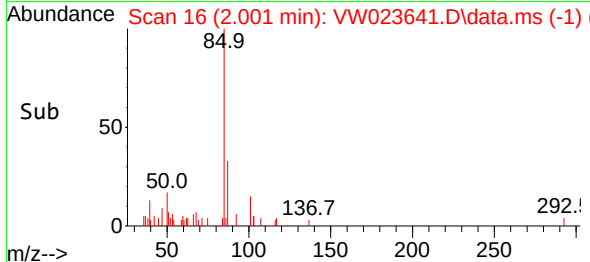
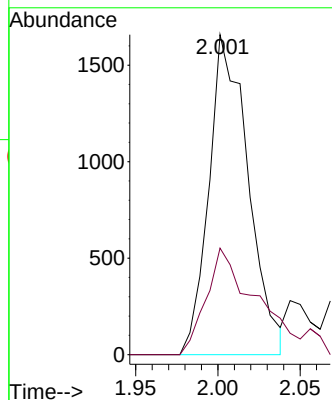
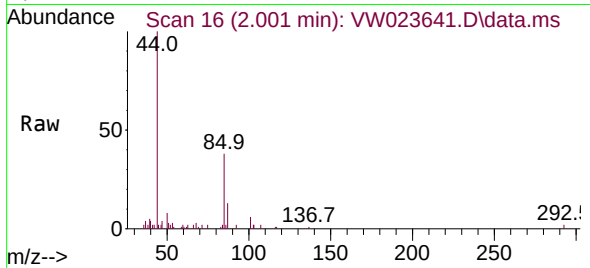




#2
 Dichlorodifluoromethane
 Concen: 1.943 ug/L
 RT: 2.001 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VW023641.D
 Acq: 13 Jul 2022 11:42

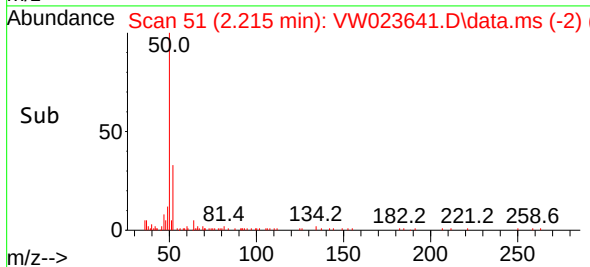
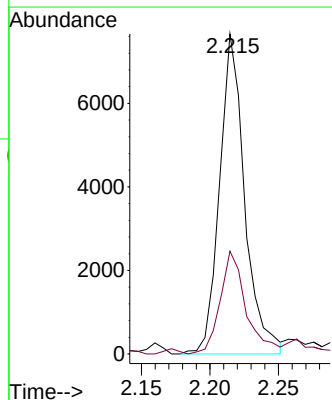
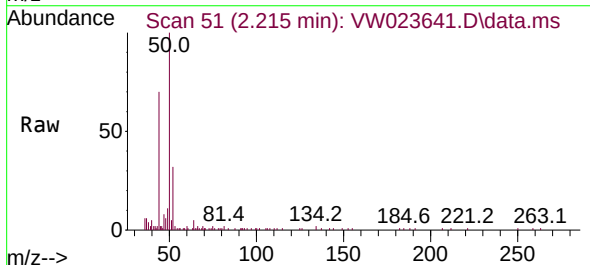
Instrument :
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 VSTD2.5450

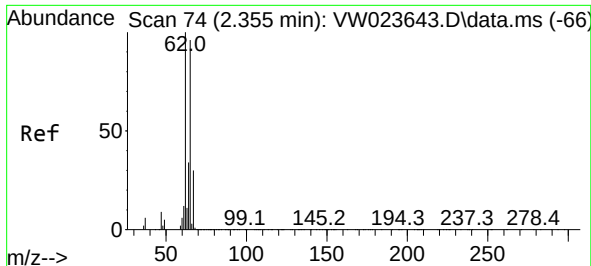
Tgt Ion: 85 Resp: 2750
 Ion Ratio Lower Upper
 85 100
 87 30.1 24.7 37.1



#3
 Chloromethane
 Concen: 2.793 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW023641.D
 Acq: 13 Jul 2022 11:42

Tgt Ion: 50 Resp: 9750
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.7 44.1

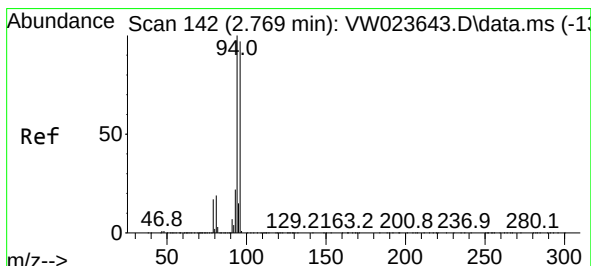
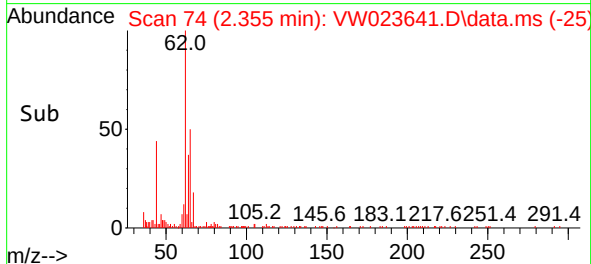
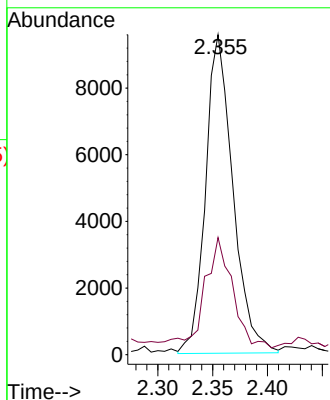
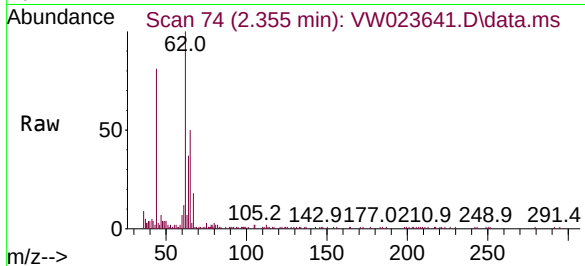




#5
 Vinyl chloride
 Concen: 2.764 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VW023641.D
 Acq: 13 Jul 2022 11:42

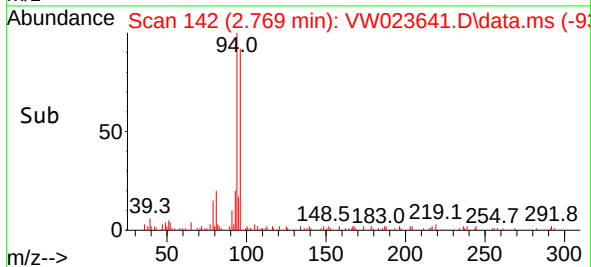
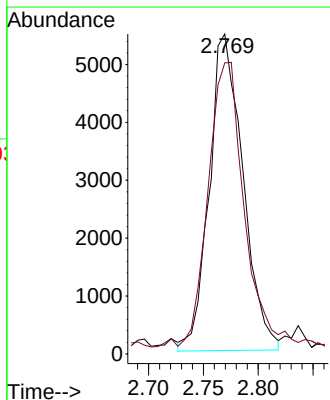
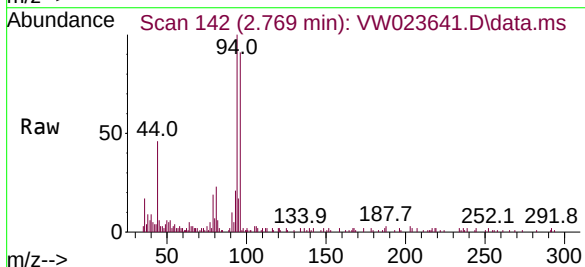
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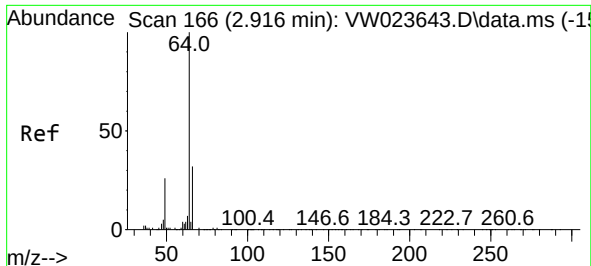
Tgt Ion: 62 Resp: 16566
 Ion Ratio Lower Upper
 62 100
 64 36.6 24.0 44.6



#6
 Bromomethane
 Concen: 3.012 ug/L
 RT: 2.769 min Scan# 142
 Delta R.T. -0.000 min
 Lab File: VW023641.D
 Acq: 13 Jul 2022 11:42

Tgt Ion: 94 Resp: 11676
 Ion Ratio Lower Upper
 94 100
 96 91.0 68.2 126.6

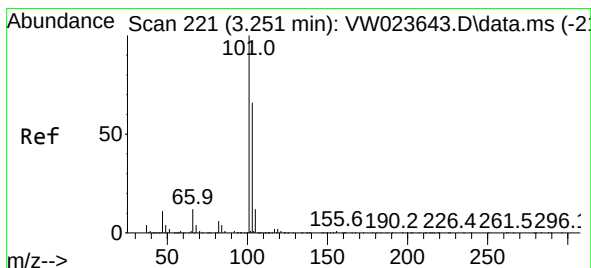
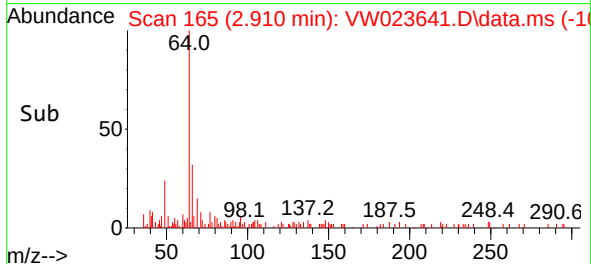
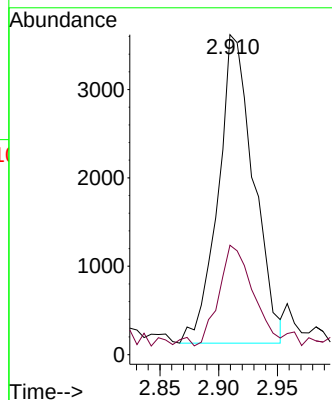
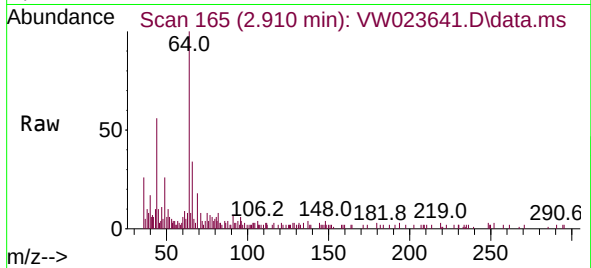




#8
Chloroethane
Concen: 2.621 ug/L
RT: 2.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

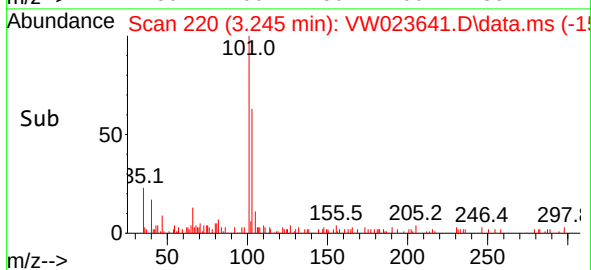
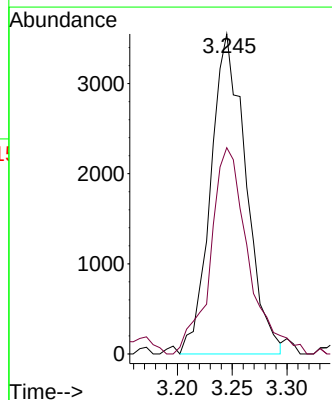
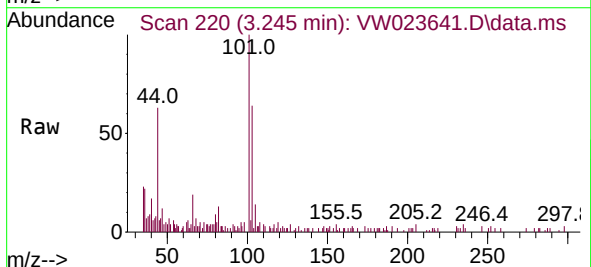
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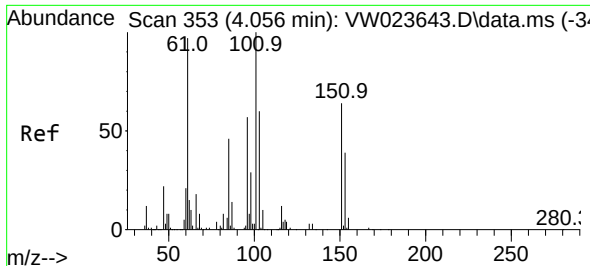
Tgt Ion: 64 Resp: 7348
Ion Ratio Lower Upper
64 100
66 34.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.903 ug/L
RT: 3.245 min Scan# 220
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 101 Resp: 7909
Ion Ratio Lower Upper
101 100
103 69.0 52.1 78.1

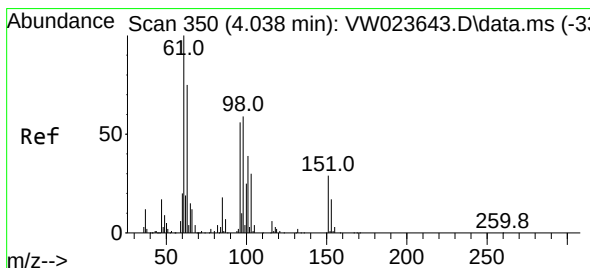
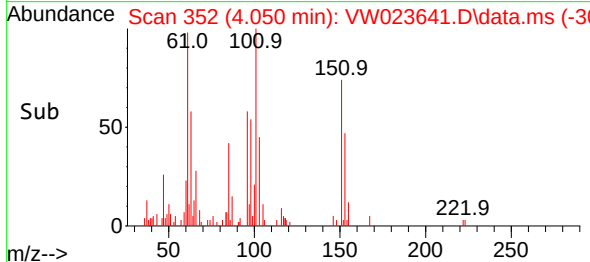
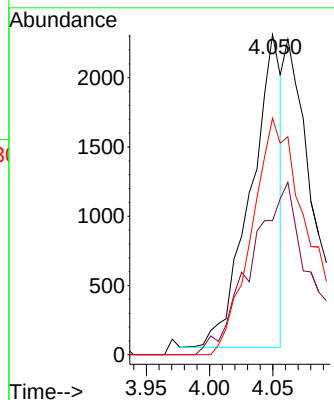
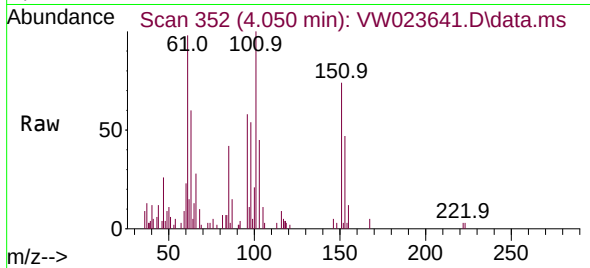




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.441 ug/L
RT: 4.050 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

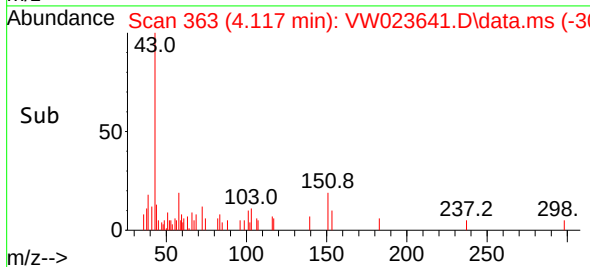
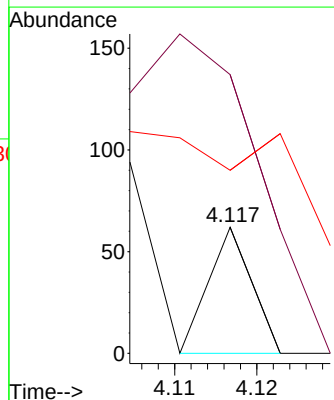
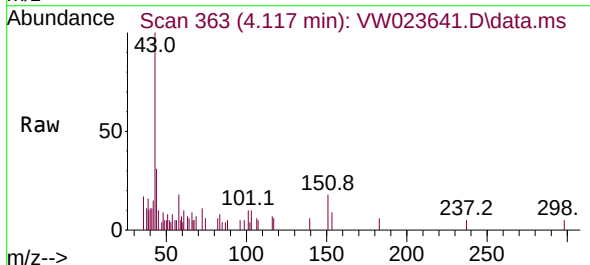
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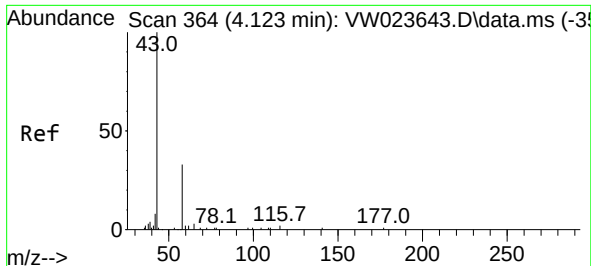
Tgt Ion:101 Resp: 3819
Ion Ratio Lower Upper
101 100
85 52.1 37.6 56.4
151 141.4 57.6 86.4#



#12
1,1-Dichloroethene
Concen: 0.010 ug/L
RT: 4.117 min Scan# 363
Delta R.T. 0.079 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 96 Resp: 23
Ion Ratio Lower Upper
96 100
61 221.0 125.4 232.8
63 145.2 97.4 180.8

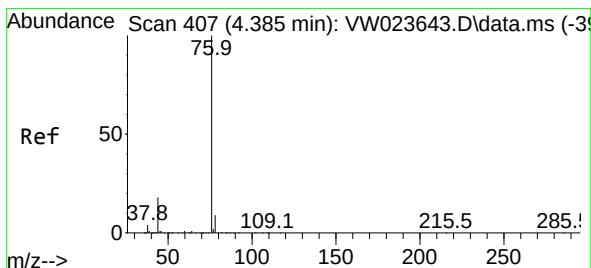
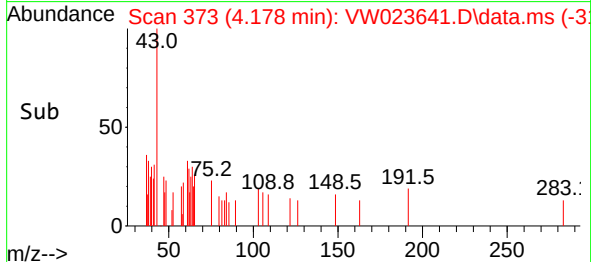
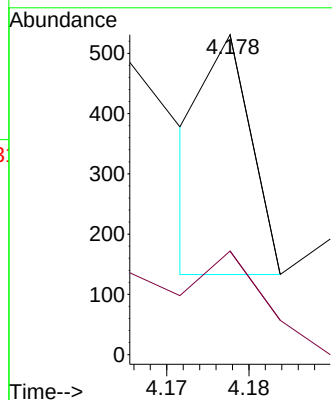
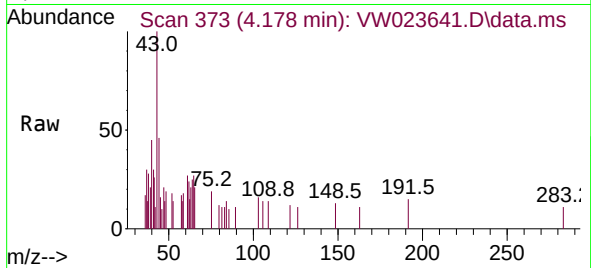




#13
Acetone
Concen: 0.275 ug/L
RT: 4.178 min Scan# 31
Delta R.T. 0.055 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

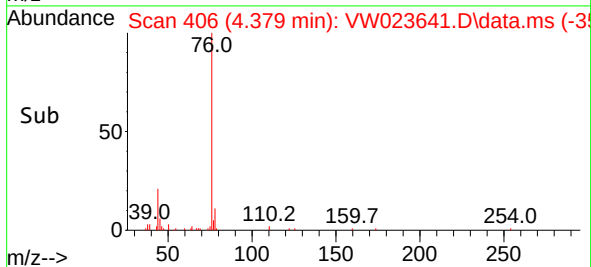
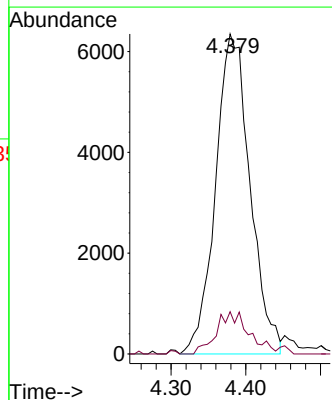
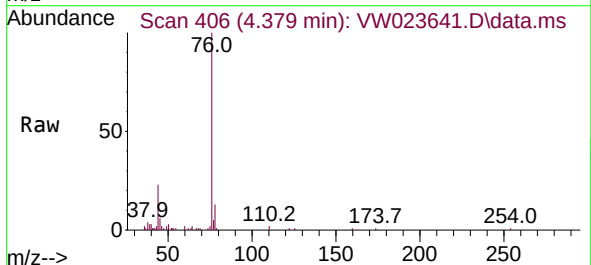
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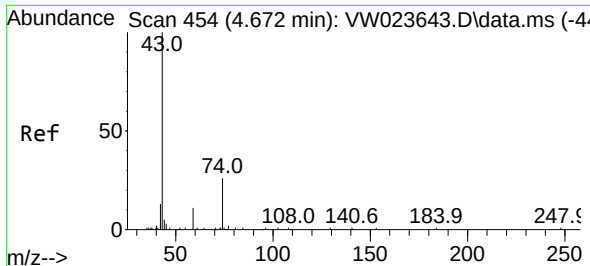
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
58 57.5 0.0 64.2



#14
Carbon disulfide
Concen: 3.118 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 76 Resp: 20394
Ion Ratio Lower Upper
76 100
78 13.2 7.2 10.8#

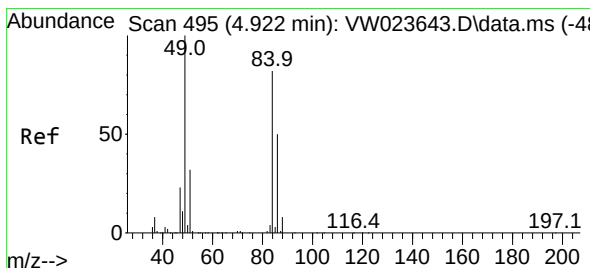
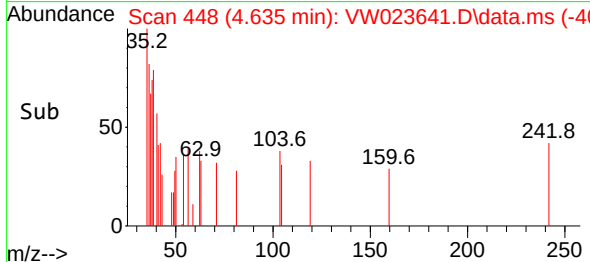
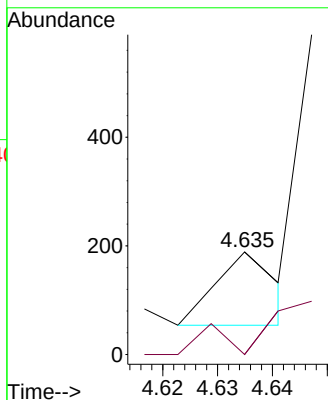
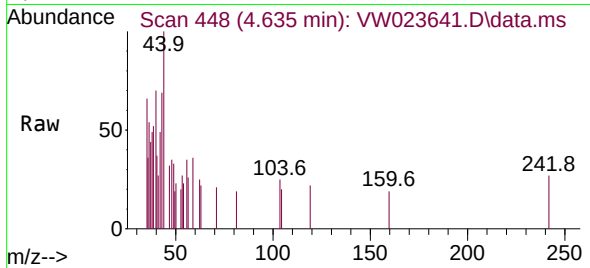




#15
Methyl Acetate
Concen: 0.082 ug/L
RT: 4.635 min Scan# 448
Delta R.T. -0.037 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

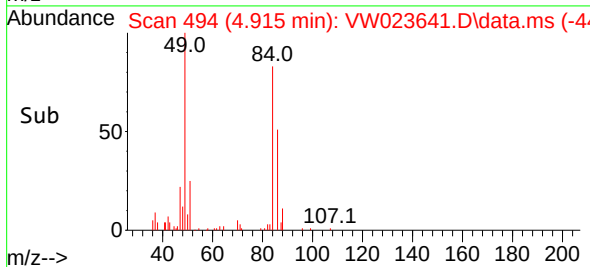
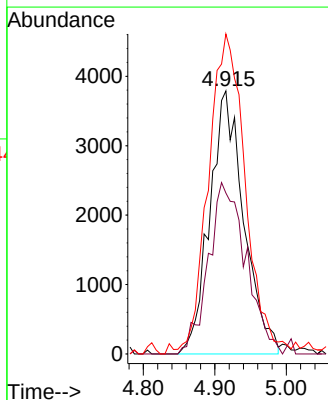
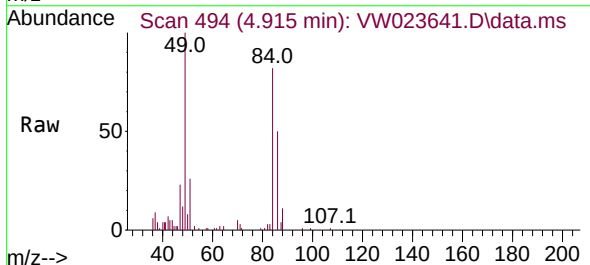
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

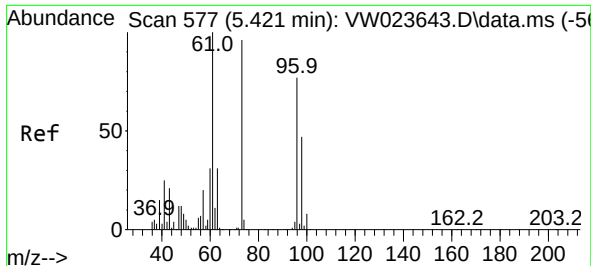
Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
74 20.4 20.0 30.0



#16
Methylene chloride
Concen: 3.831 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 84 Resp: 12561
Ion Ratio Lower Upper
84 100
86 61.2 42.8 79.6
49 121.7 85.4 158.6

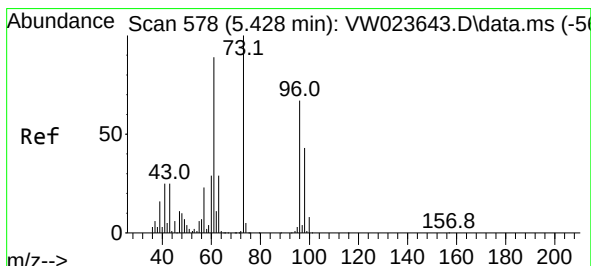
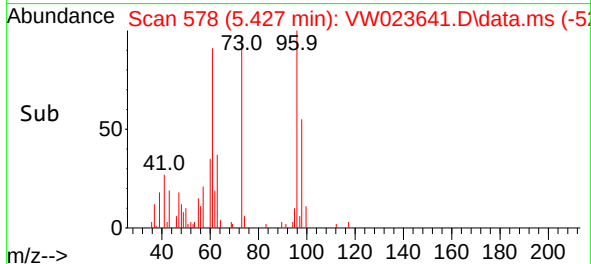
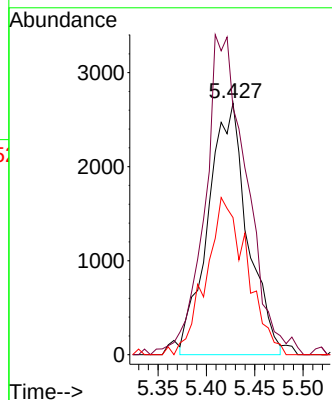
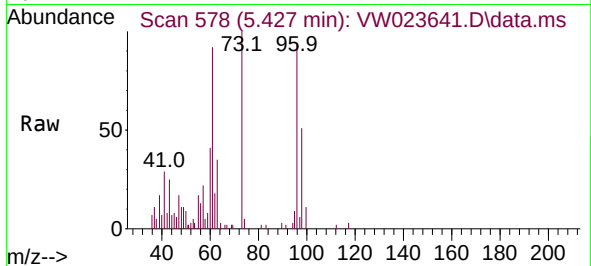




#17
trans-1,2-Dichloroethene
Concen: 2.815 ug/L
RT: 5.427 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

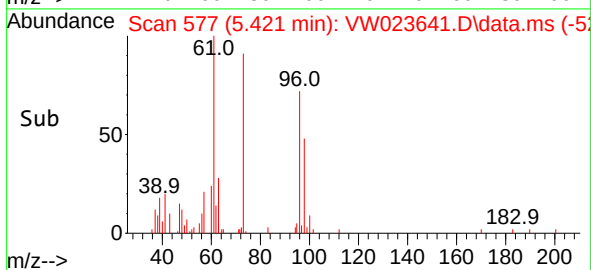
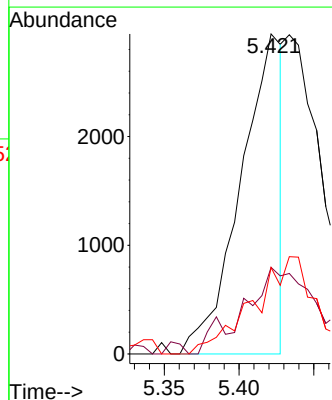
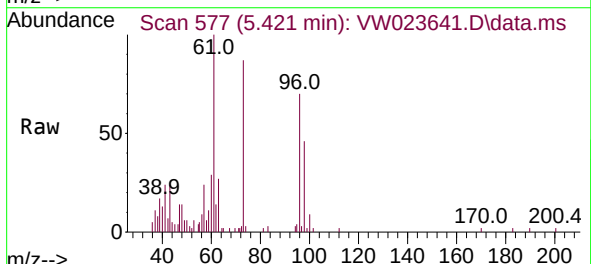
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

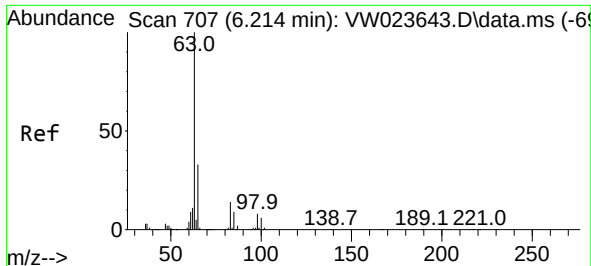
Tgt Ion: 96 Resp: 7593
Ion Ratio Lower Upper
96 100
61 98.2 90.8 168.6
98 54.5 42.8 79.6



#18
Methyl tert-butyl Ether
Concen: 1.370 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 73 Resp: 5698
Ion Ratio Lower Upper
73 100
43 29.0 17.6 26.4#
57 30.0 16.8 25.2#





#19

1,1-Dichloroethane

Concen: 2.706 ug/L

RT: 6.214 min Scan# 707

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

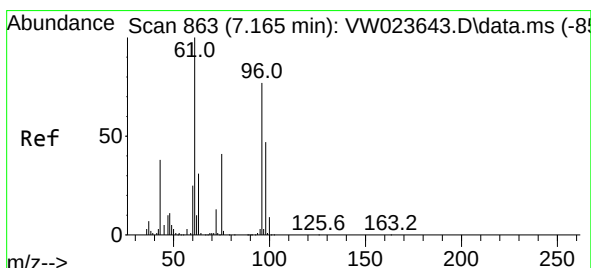
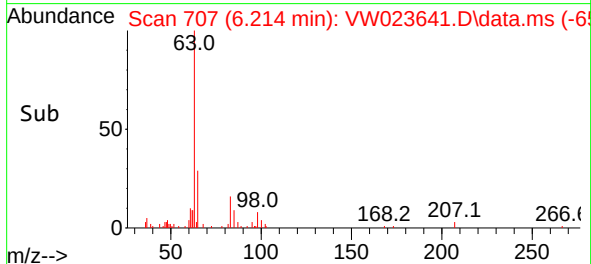
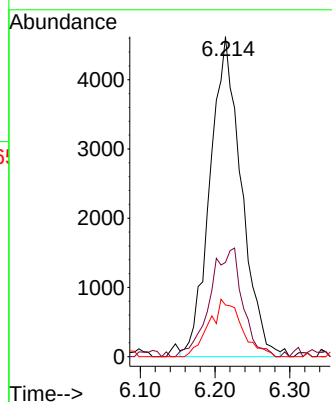
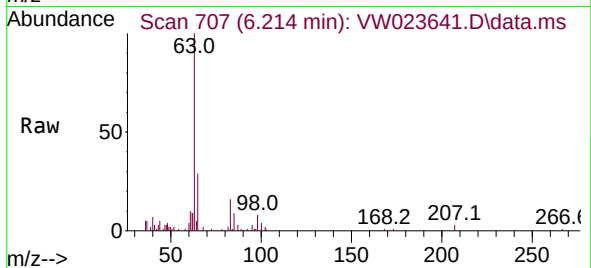
Tgt Ion: 63 Resp: 13466

Ion Ratio Lower Upper

63 100

65 29.4 22.7 42.1

83 16.2 9.7 18.1



#20

cis-1,2-Dichloroethene

Concen: 2.545 ug/L

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

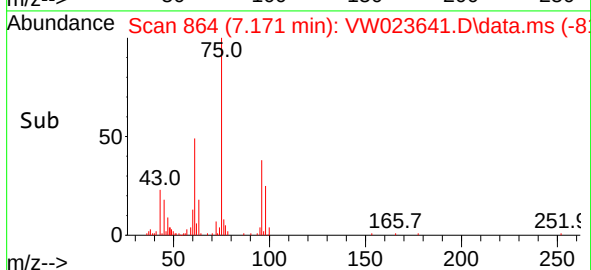
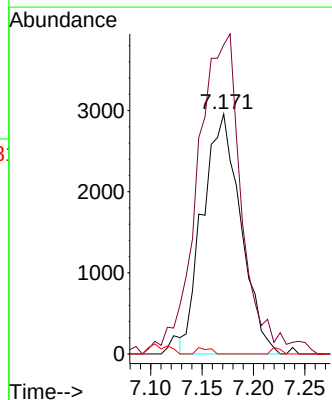
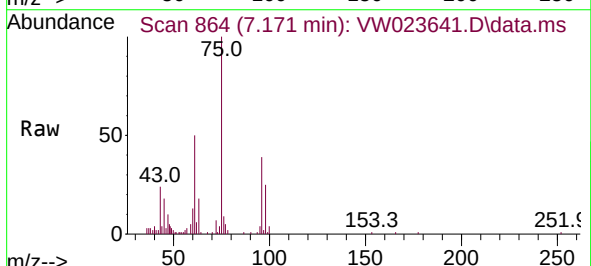
Tgt Ion: 96 Resp: 7613

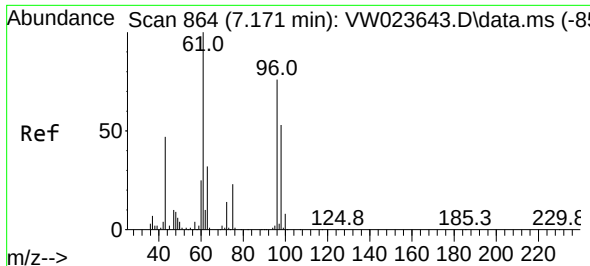
Ion Ratio Lower Upper

96 100

61 128.8 90.6 168.2

68 0.0 0.2 0.4

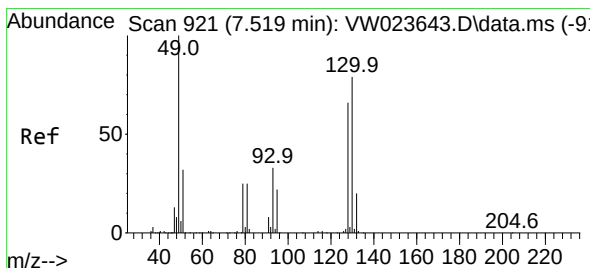
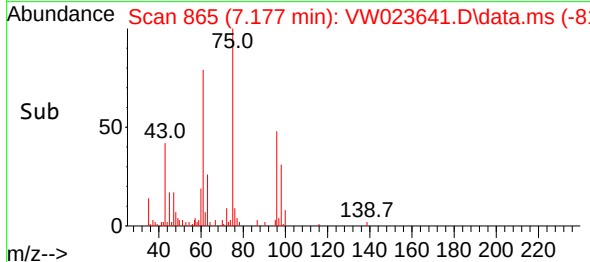
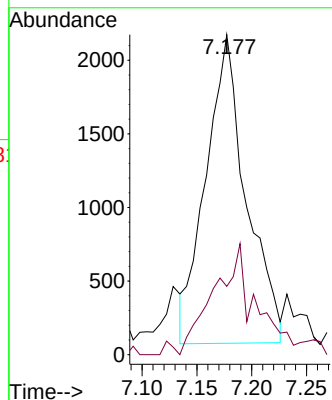
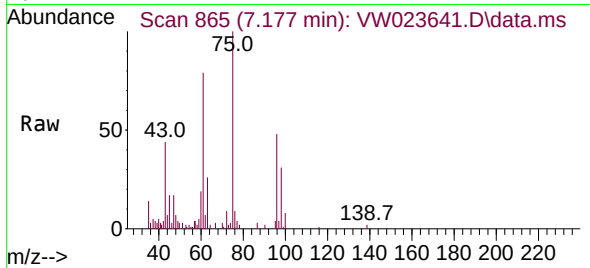




#22
2-Butanone
Concen: 5.583 ug/L
RT: 7.177 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

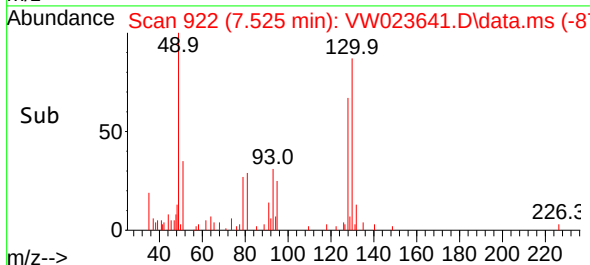
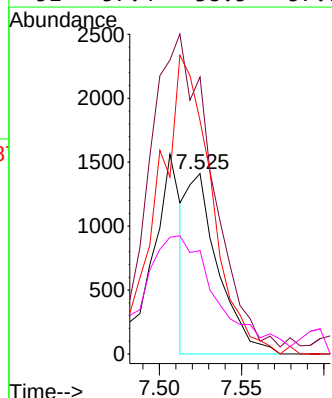
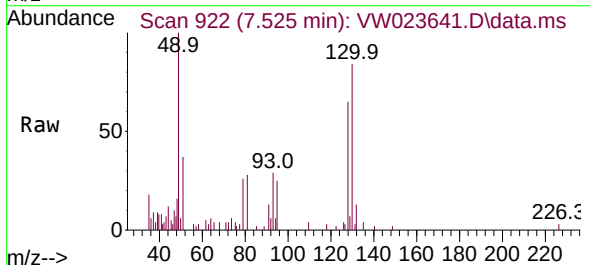
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

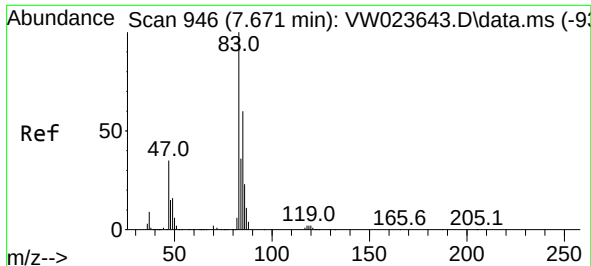
Tgt Ion: 43 Resp: 5362
Ion Ratio Lower Upper
43 100
72 16.1 14.7 44.1



#23
Bromochloromethane
Concen: 1.308 ug/L
RT: 7.525 min Scan# 922
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 128 Resp: 1878
Ion Ratio Lower Upper
128 100
49 153.7 106.0 196.8
130 129.4 83.2 154.4
51 57.4 38.5 57.7

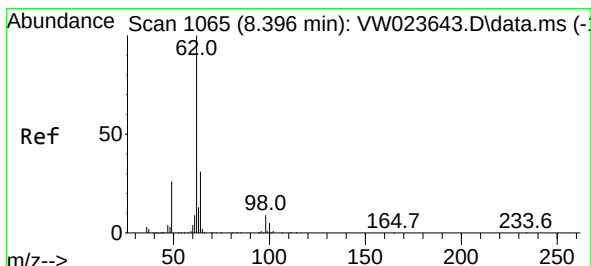
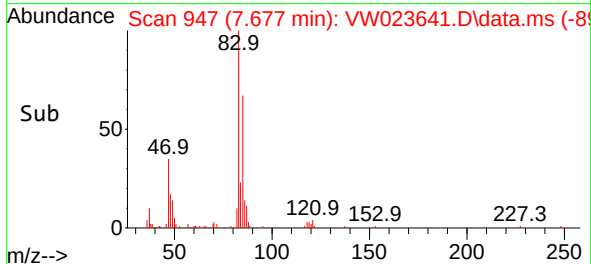
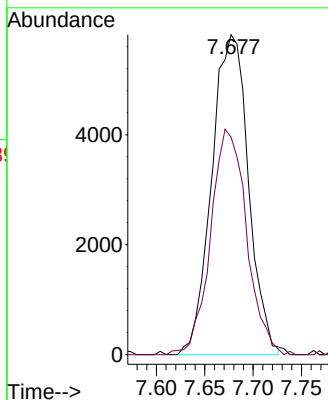
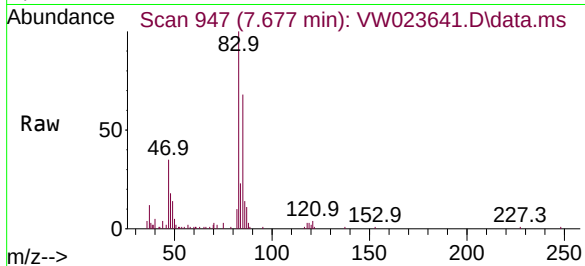




#25
Chloroform
Concen: 2.681 ug/L
RT: 7.677 min Scan# 946
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

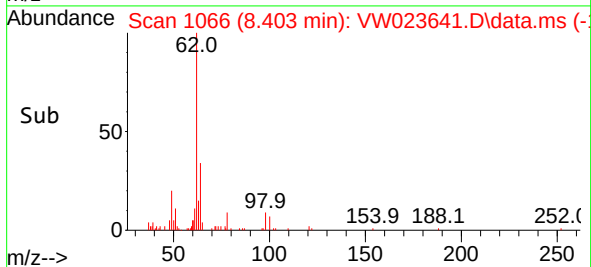
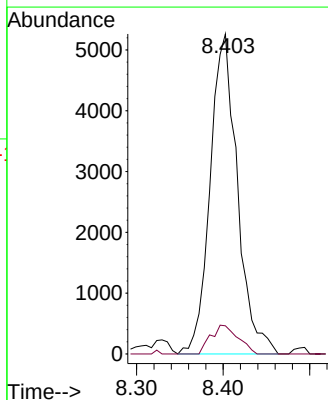
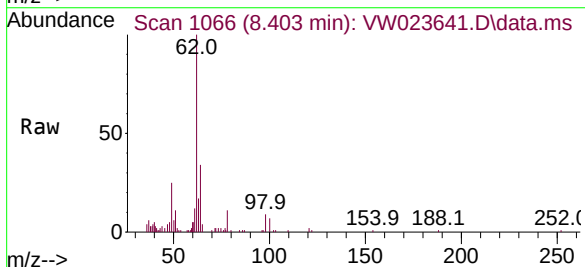
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

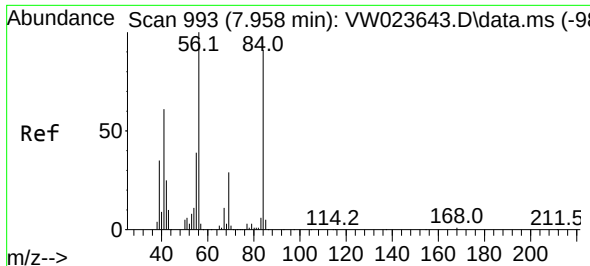
Tgt Ion: 83 Resp: 15368
Ion Ratio Lower Upper
83 100
85 68.0 41.9 77.9



#27
1,2-Dichloroethane
Concen: 2.727 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 62 Resp: 11506
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

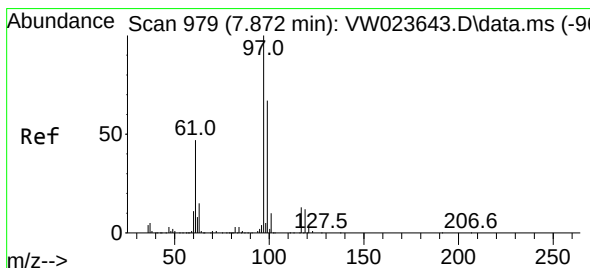
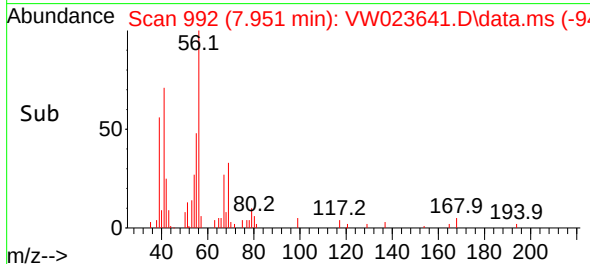
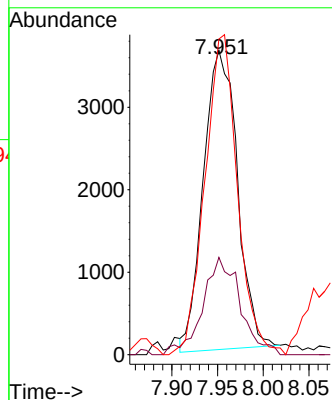
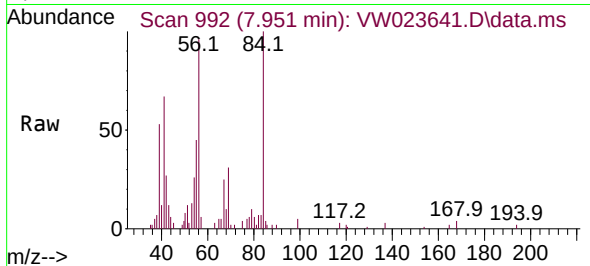




#29
Cyclohexane
Concen: 2.482 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

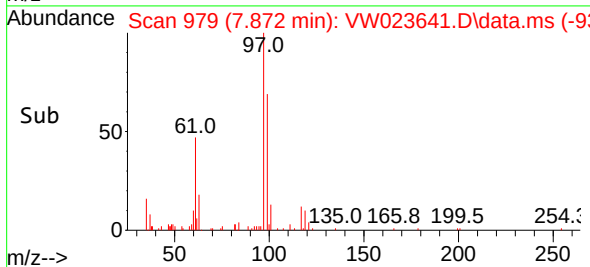
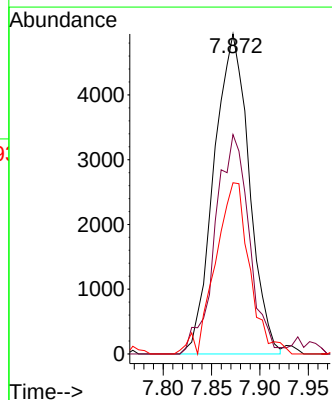
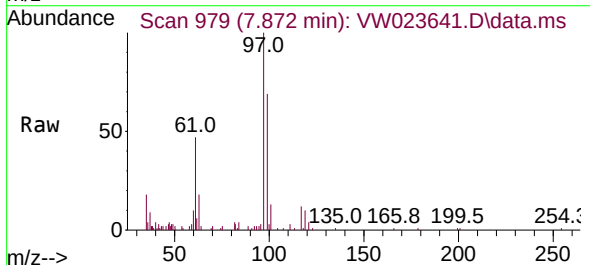
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

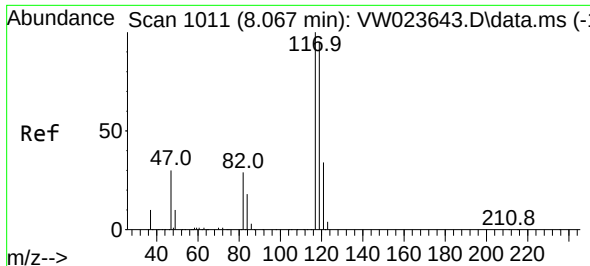
Tgt Ion: 56 Resp: 9378
Ion Ratio Lower Upper
56 100
69 21.5 25.4 38.0#
84 102.1 75.0 112.4



#30
1,1,1-Trichloroethane
Concen: 2.797 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 97 Resp: 12508
Ion Ratio Lower Upper
97 100
99 66.2 51.0 76.6
61 49.0 37.5 56.3

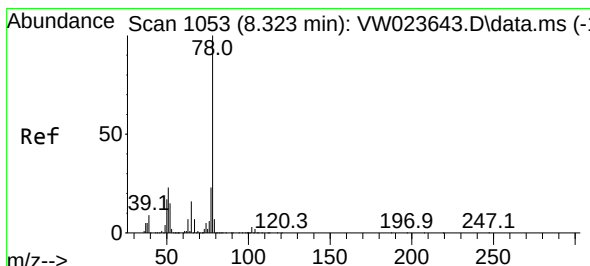
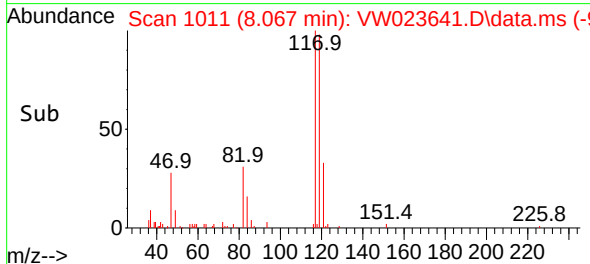
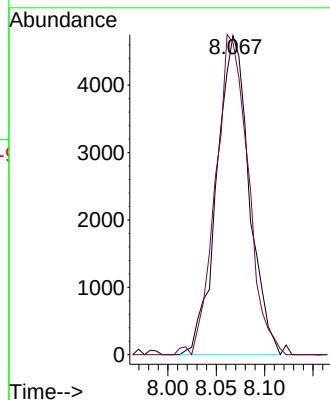
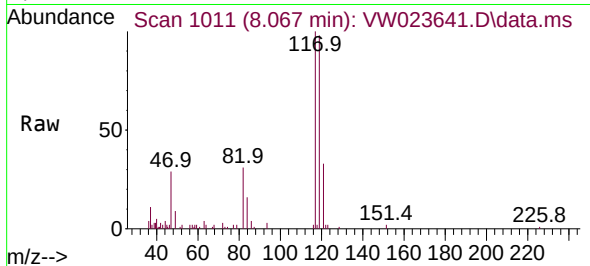




#31
Carbon tetrachloride
Concen: 2.739 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

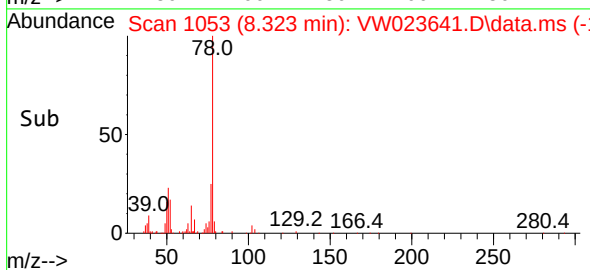
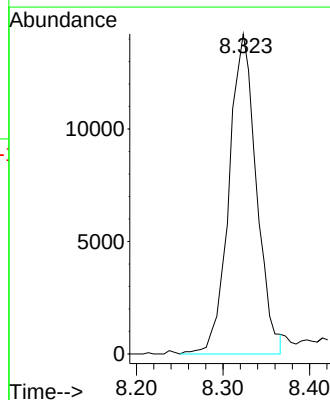
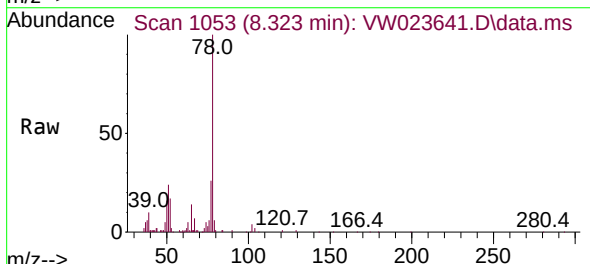
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

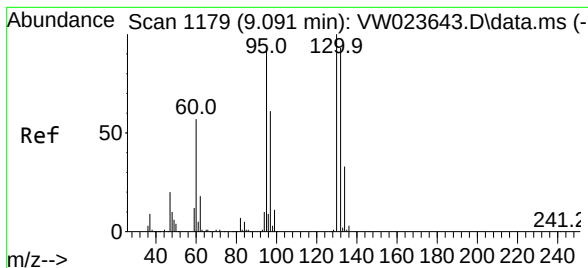
Tgt Ion:117 Resp: 11043
Ion Ratio Lower Upper
117 100
119 100.0 75.7 113.5



#33
Benzene
Concen: 2.671 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 78 Resp: 31355





#34

Trichloroethene

Concen: 2.962 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

Tgt Ion: 95 Resp: 9182

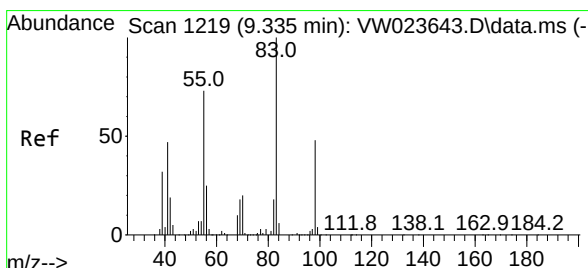
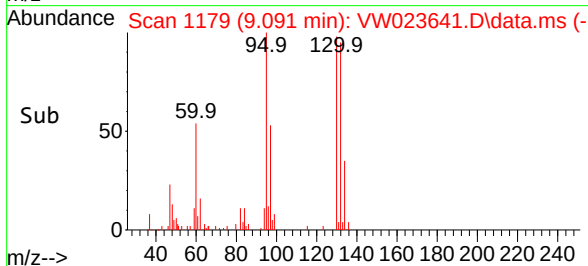
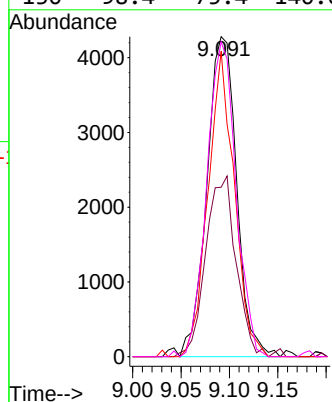
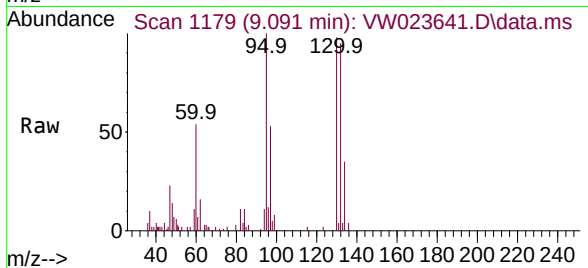
Ion Ratio Lower Upper

95 100

97 53.0 45.6 84.8

132 95.4 69.9 129.7

130 98.4 75.4 140.0



#35

Methylcyclohexane

Concen: 2.512 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

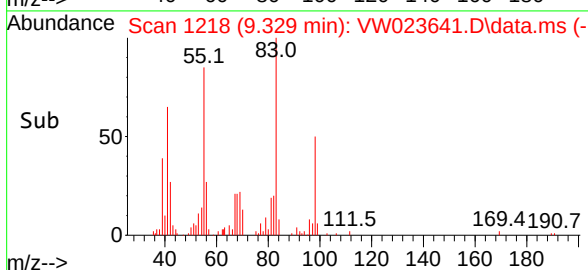
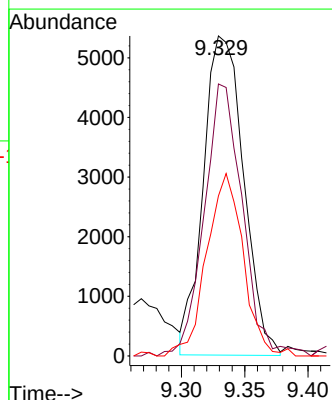
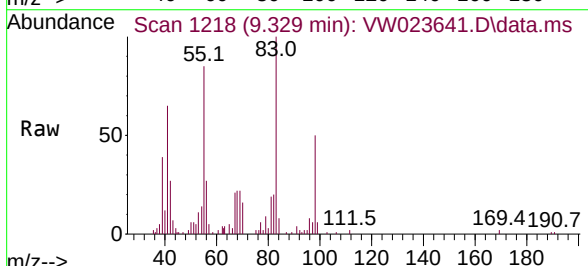
Tgt Ion: 83 Resp: 11856

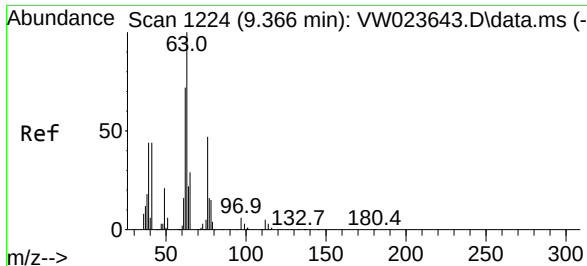
Ion Ratio Lower Upper

83 100

55 79.4 60.8 91.2

98 51.6 39.5 59.3





#37

1,2-Dichloropropane

Concen: 2.815 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

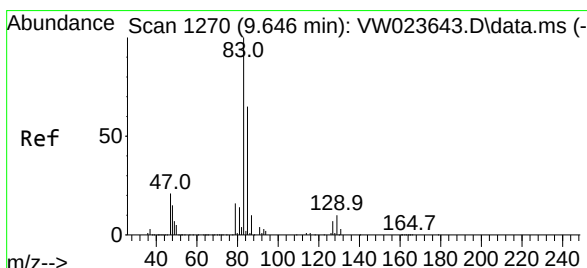
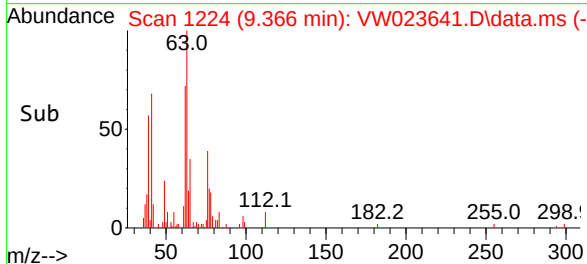
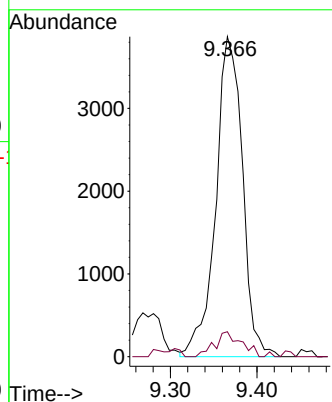
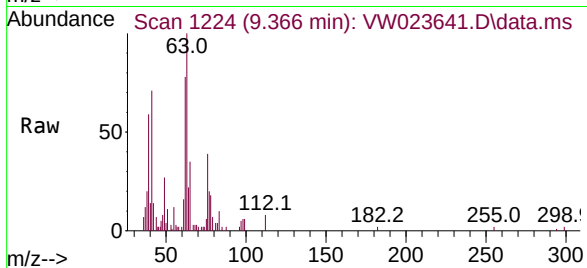
VSTD2.5450

Tgt Ion: 63 Resp: 8284

Ion Ratio Lower Upper

63 100

112 5.1 4.2 6.2



#38

Bromodichloromethane

Concen: 2.724 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

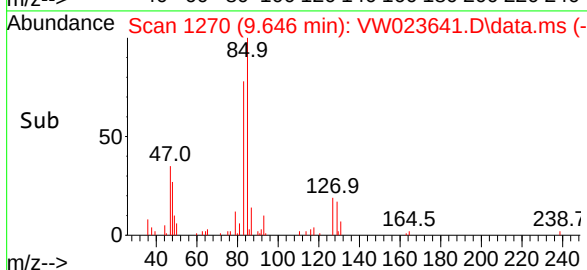
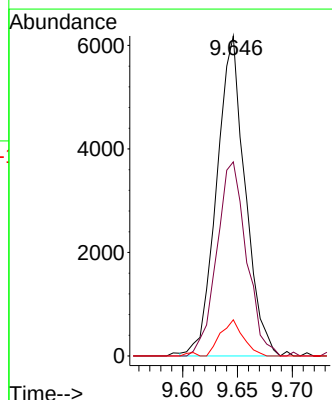
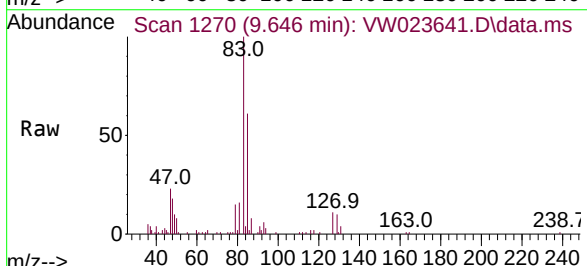
Tgt Ion: 83 Resp: 11186

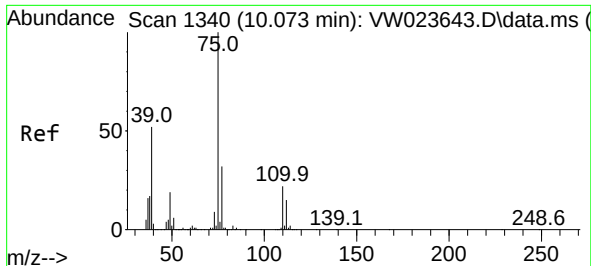
Ion Ratio Lower Upper

83 100

85 60.6 45.5 84.5

127 11.3 6.0 9.0#





#39

cis-1,3-Dichloropropene

Concen: 2.497 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

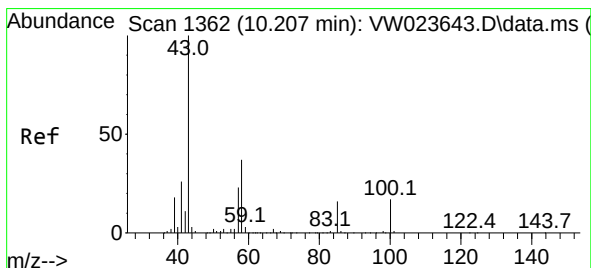
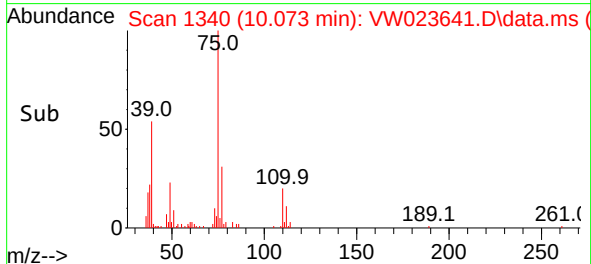
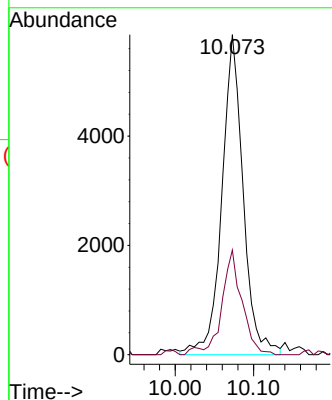
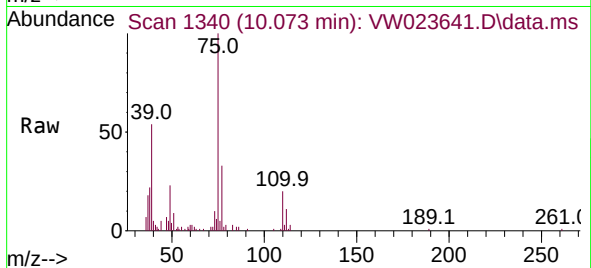
VSTD2.5450

Tgt Ion: 75 Resp: 11075

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 5.110 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

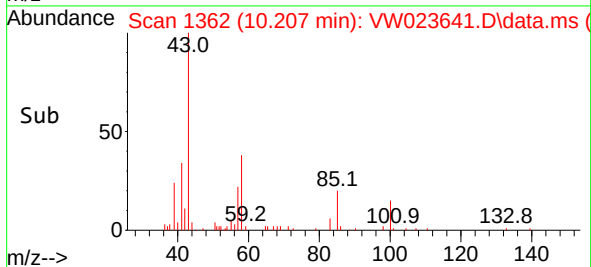
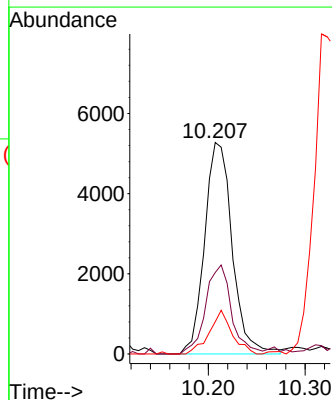
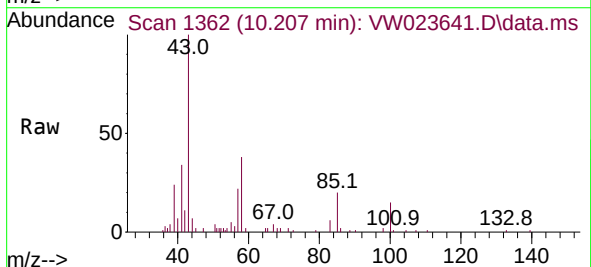
Tgt Ion: 43 Resp: 10464

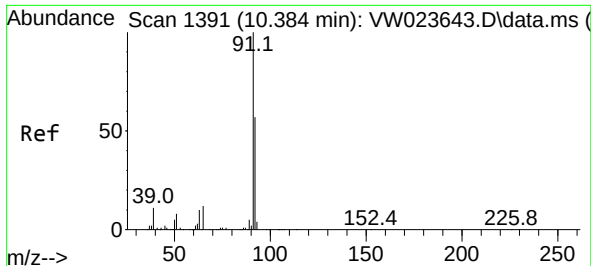
Ion Ratio Lower Upper

43 100

58 39.5 29.8 44.8

100 16.9 13.0 19.4

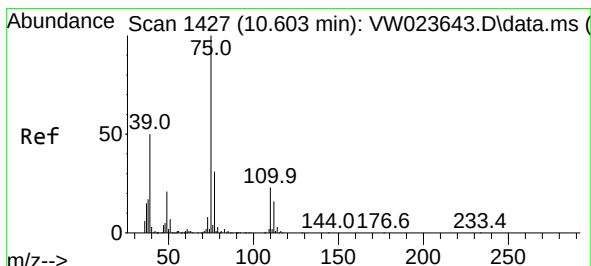
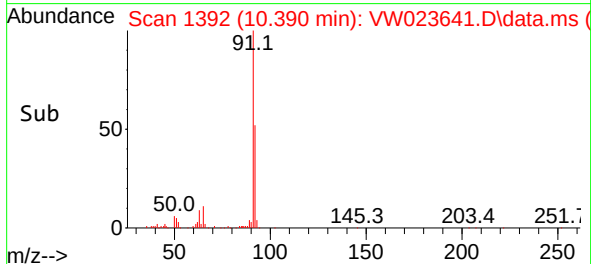
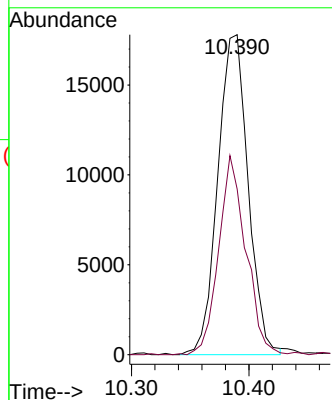
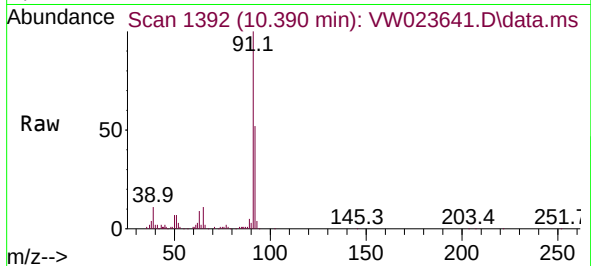




#42
Toluene
Concen: 2.386 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

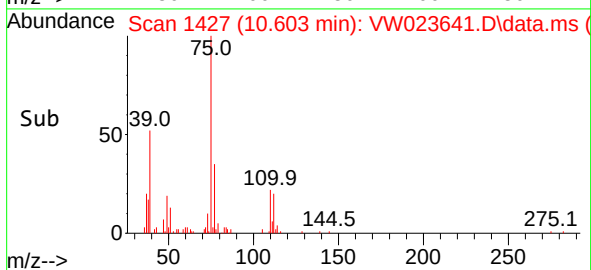
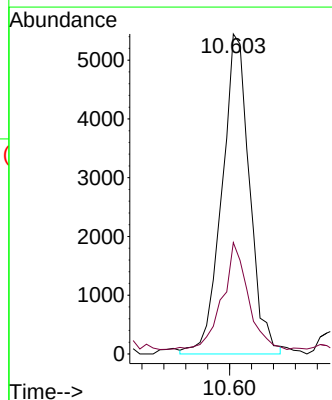
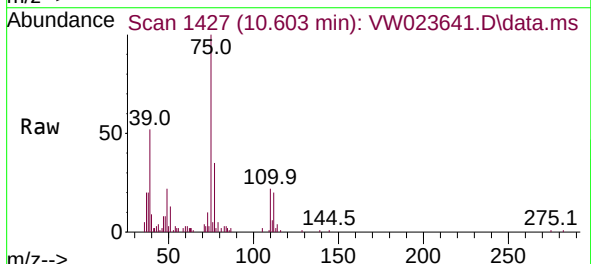
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

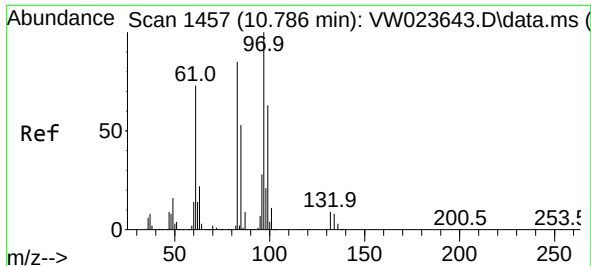
Tgt Ion: 91 Resp: 31935
Ion Ratio Lower Upper
91 100
92 51.8 39.9 74.1



#44
trans-1,3-Dichloropropene
Concen: 2.260 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 75 Resp: 9527
Ion Ratio Lower Upper
75 100
77 34.8 22.0 41.0

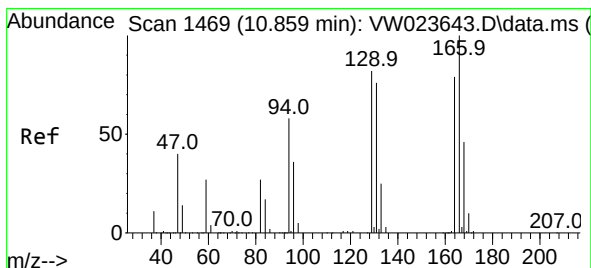
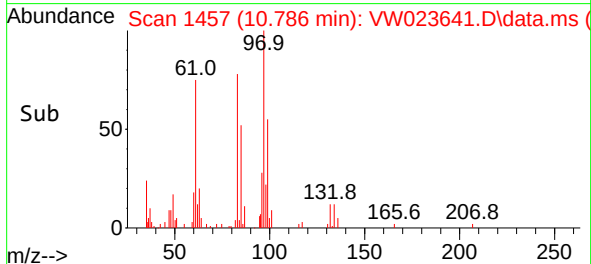
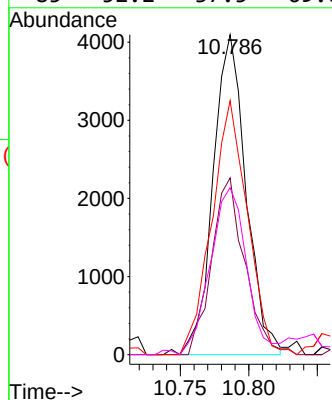
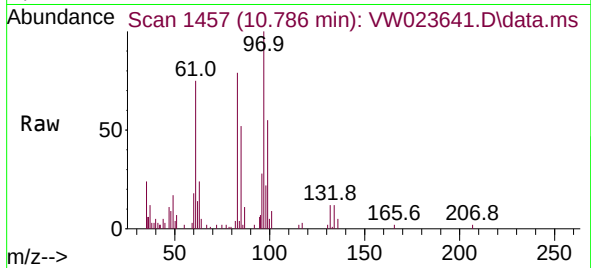




#45
1,1,2-Trichloroethane
Concen: 2.659 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

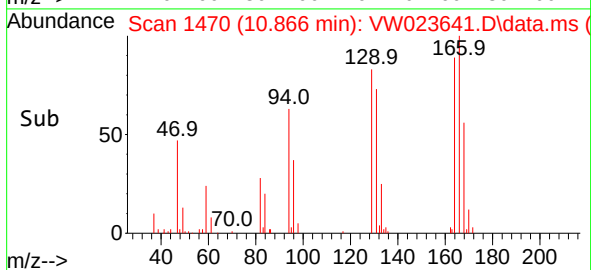
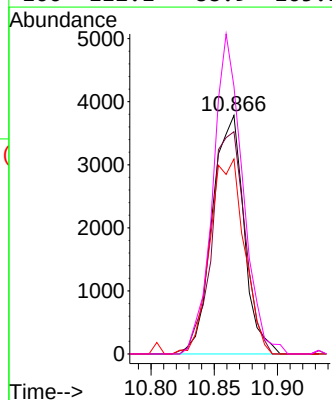
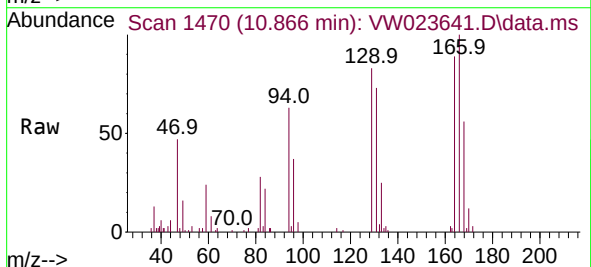
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

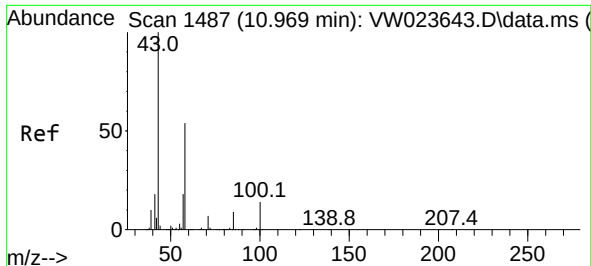
Tgt Ion: 97	Resp: 6841
Ion Ratio	Lower Upper
97 100	
99 55.2	44.2 82.2
83 79.4	59.8 111.0
85 52.2	37.5 69.6



#46
Tetrachloroethene
Concen: 2.741 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion:164	Resp: 6570
Ion Ratio	Lower Upper
164 100	
129 93.2	72.4 134.5
131 81.8	67.8 125.8
166 112.1	88.9 165.1

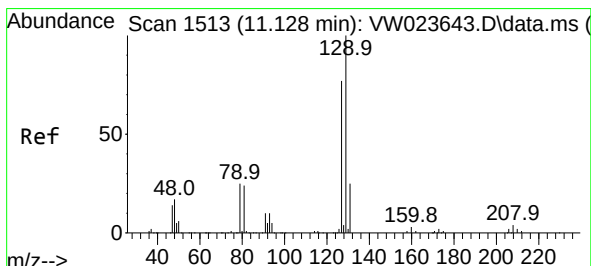
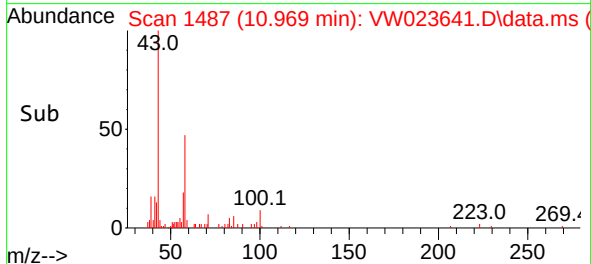
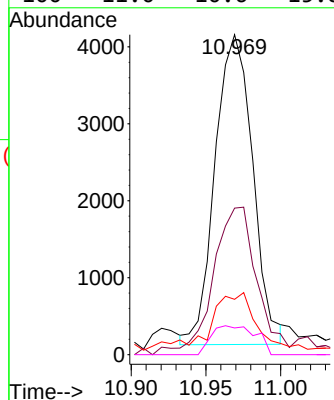
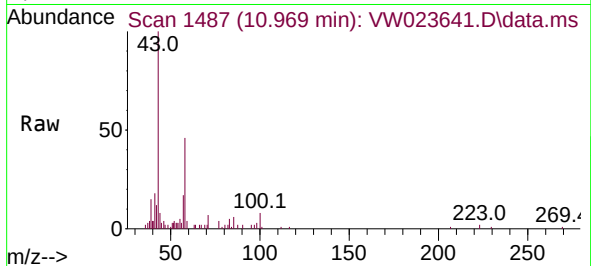




#48
2-Hexanone
Concen: 4.809 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

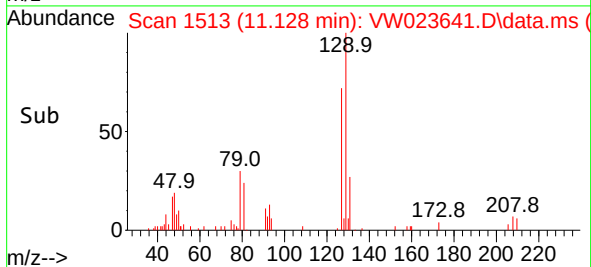
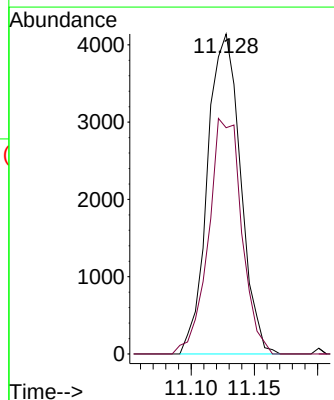
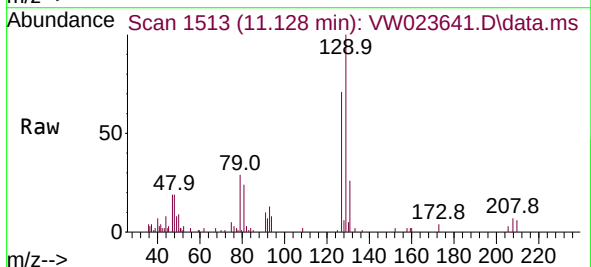
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

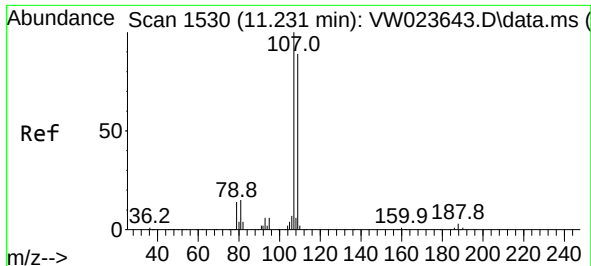
Tgt Ion: 43	Resp: 7045
Ion Ratio	Lower Upper
43 100	
58 54.4	41.6 62.4
57 24.5	14.6 21.8#
100 11.0	10.6 15.8



#49
Dibromochloromethane
Concen: 2.520 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion:129	Resp:	7519	
Ion	Ratio	Lower	Upper
129	100		
127	70.7	53.7	99.7

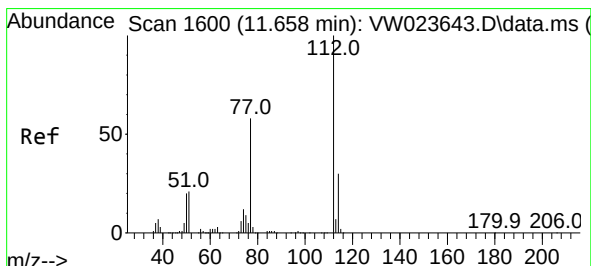
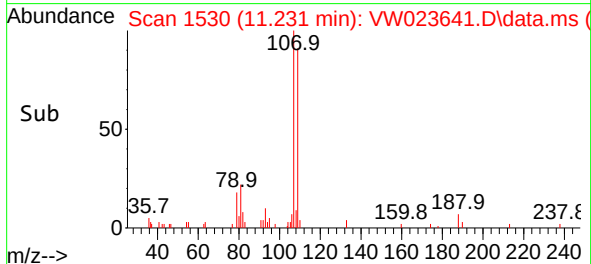
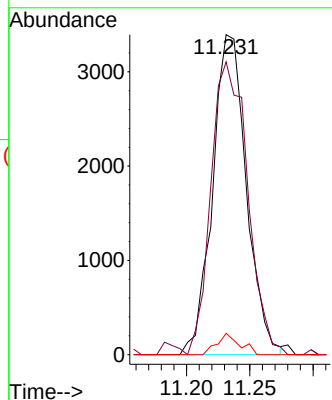
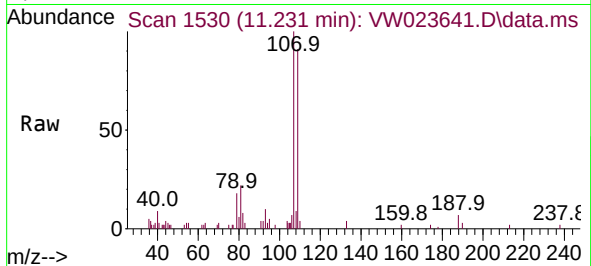




#50
1,2-Dibromoethane
Concen: 2.555 ug/L
RT: 11.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

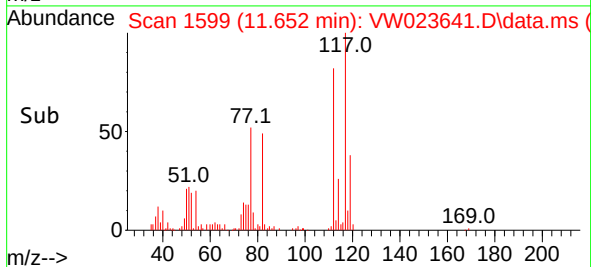
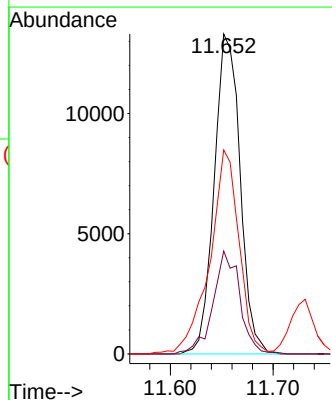
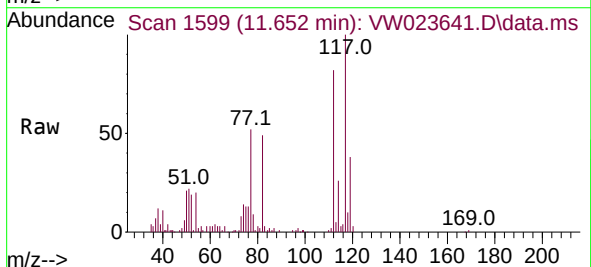
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

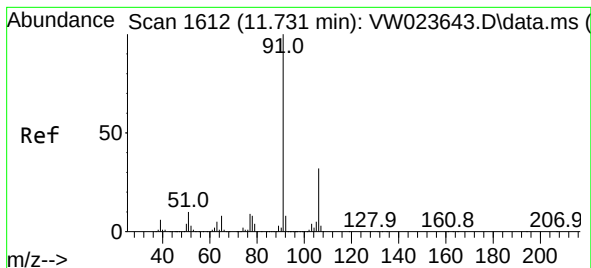
Tgt Ion:107 Resp: 6315
Ion Ratio Lower Upper
107 100
109 91.5 62.4 116.0
188 6.6 2.3 3.5#



#51
Chlorobenzene
Concen: 2.577 ug/L
RT: 11.652 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion:112 Resp: 23263
Ion Ratio Lower Upper
112 100
114 32.1 21.1 39.3
77 63.7 46.6 69.8

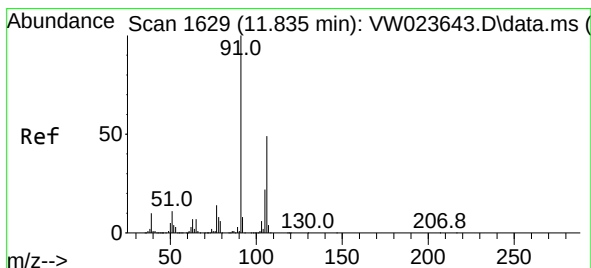
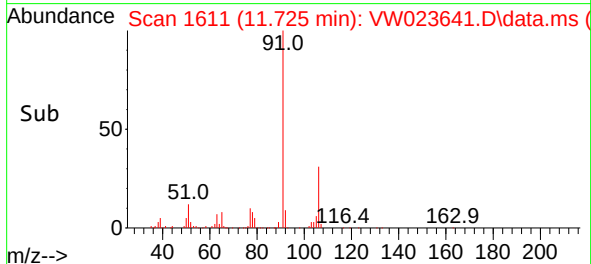
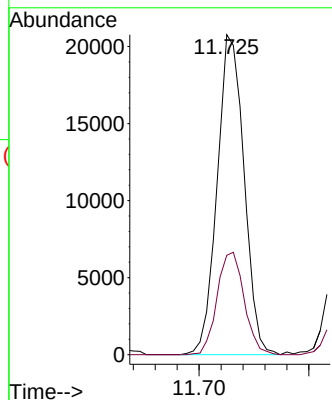
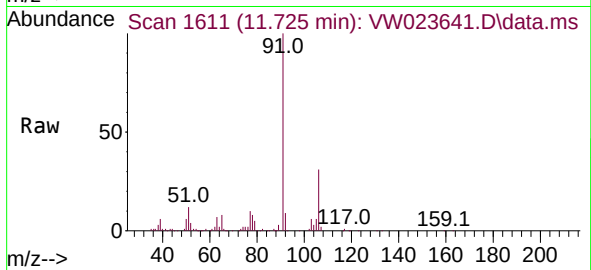




#52
Ethylbenzene
Concen: 2.326 ug/L
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

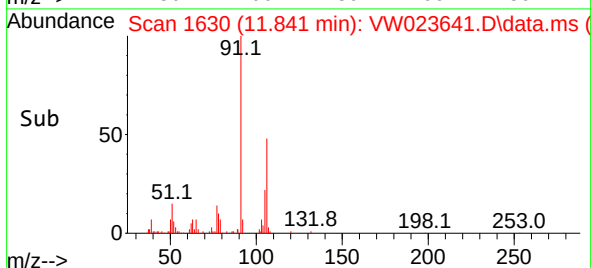
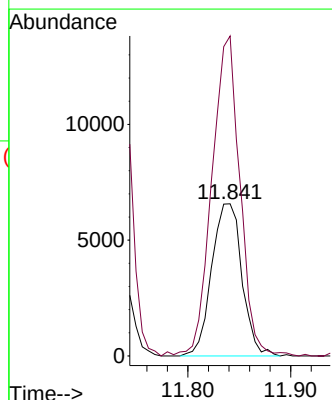
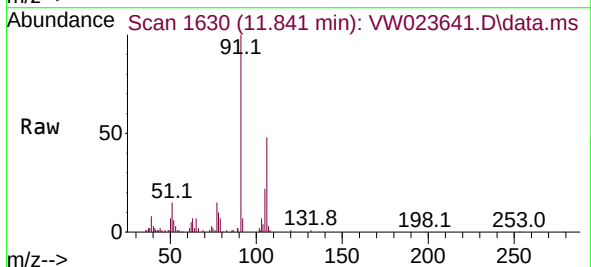
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

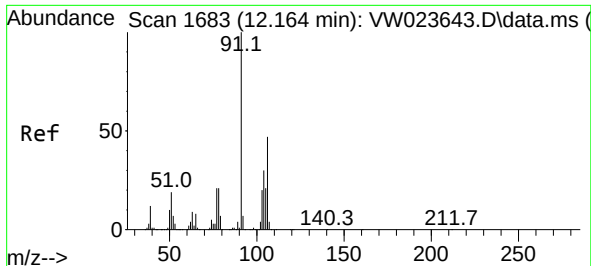
Tgt Ion: 91 Resp: 35389
Ion Ratio Lower Upper
91 100
106 31.0 22.5 41.9



#53
m,p-Xylene
Concen: 2.260 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion: 106 Resp: 13414
Ion Ratio Lower Upper
106 100
91 210.4 142.8 265.2

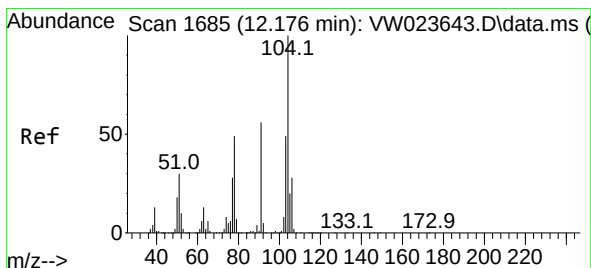
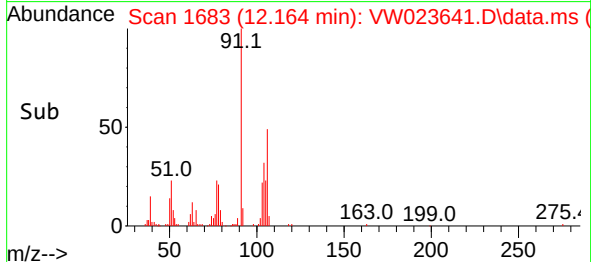
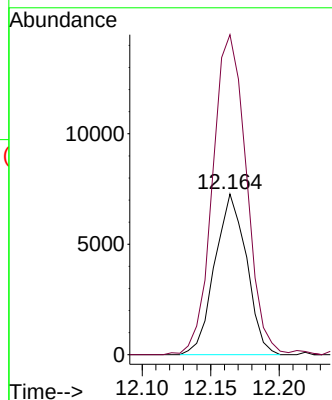
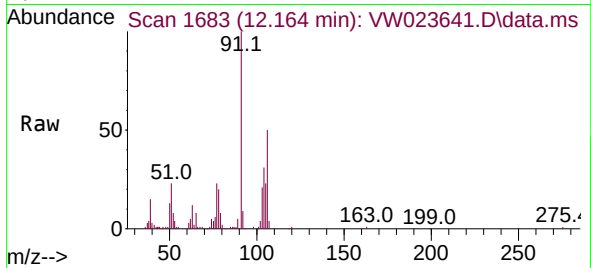




#54
o-Xylene
Concen: 2.057 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

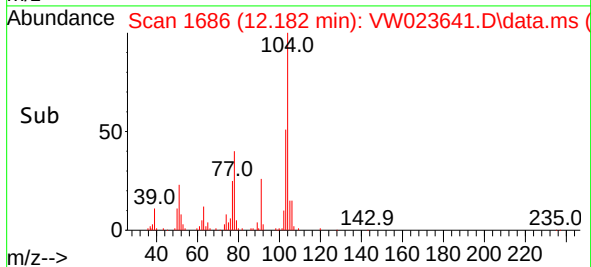
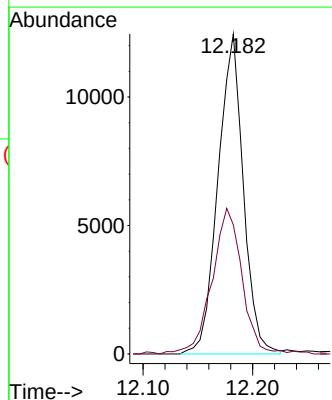
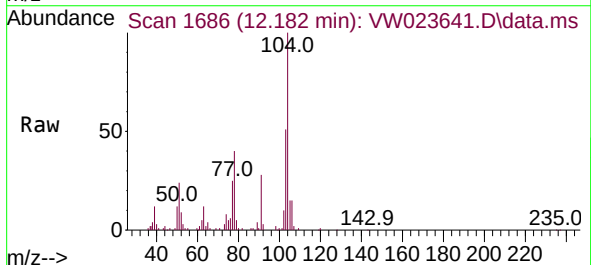
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

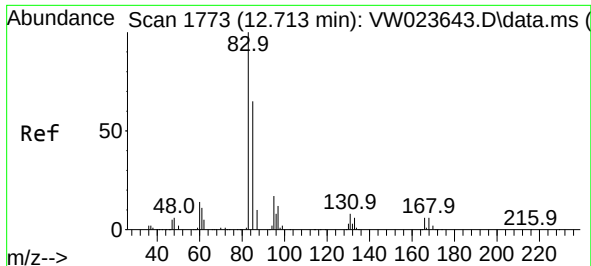
Tgt Ion:106 Resp: 11722
Ion Ratio Lower Upper
106 100
91 199.3 149.6 277.8



#55
Styrene
Concen: 1.987 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion:104 Resp: 20003
Ion Ratio Lower Upper
104 100
78 40.4 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 2.649 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

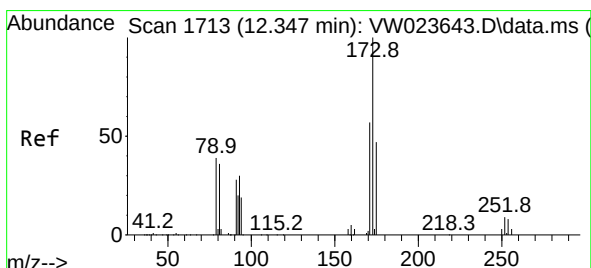
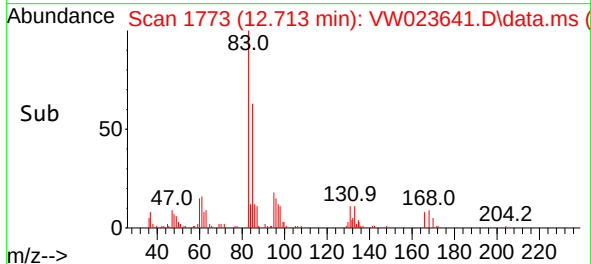
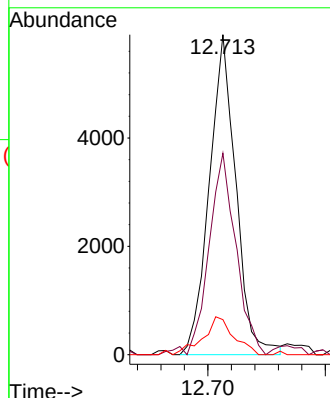
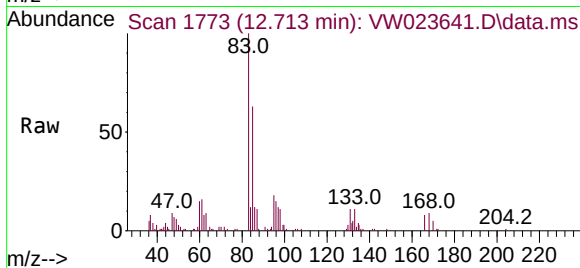
Tgt Ion: 83 Resp: 9299

Ion Ratio Lower Upper

83 100

85 63.0 46.5 86.3

131 15.0 7.4 11.0#



#59

Bromoform

Concen: 2.494 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

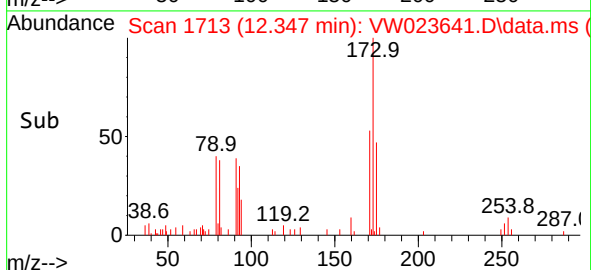
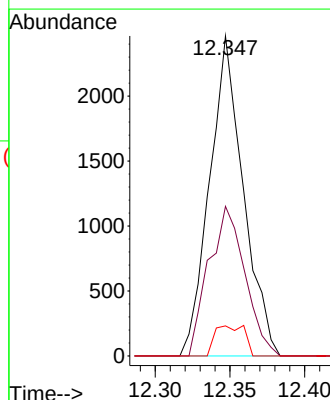
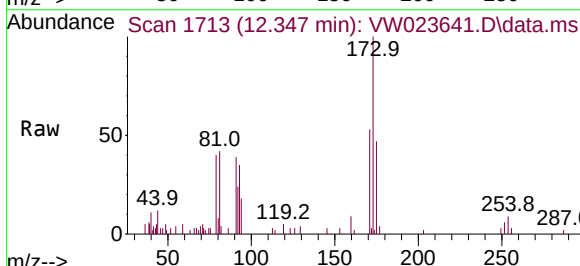
Tgt Ion: 173 Resp: 3861

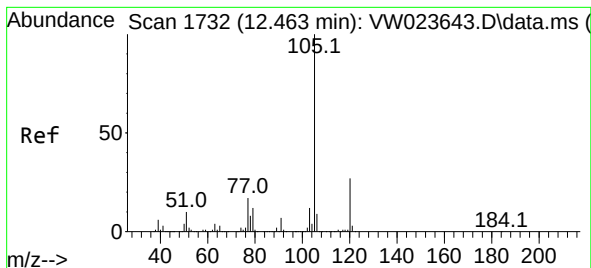
Ion Ratio Lower Upper

173 100

175 50.1 38.9 58.3

254 6.1 5.9 8.9





#60

Isopropylbenzene

Concen: 2.274 ug/L

RT: 12.463 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

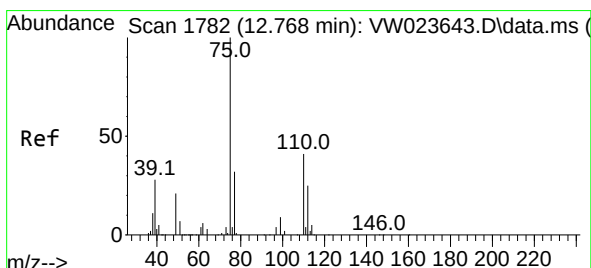
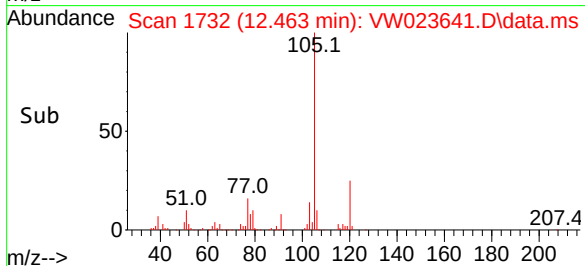
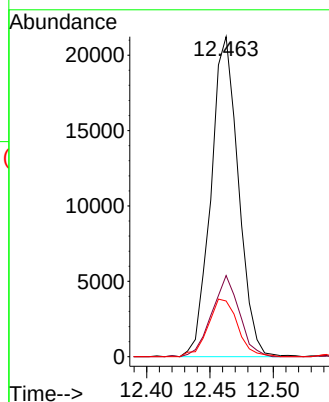
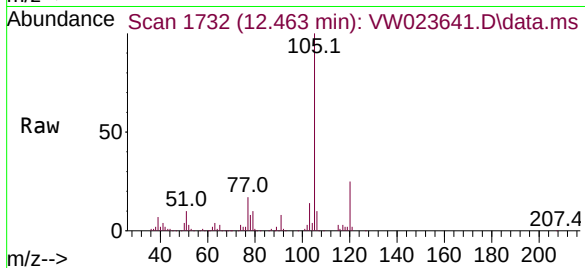
Tgt Ion:105 Resp: 32071

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

77 19.4 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 2.895 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

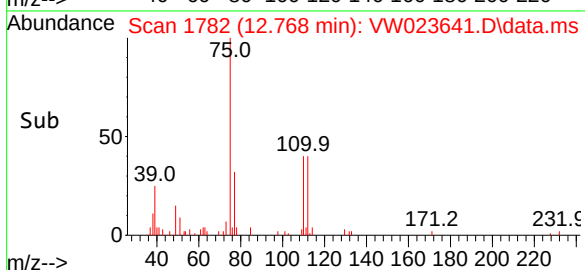
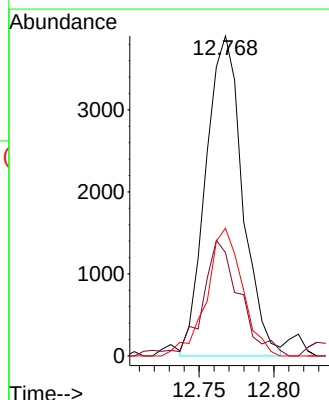
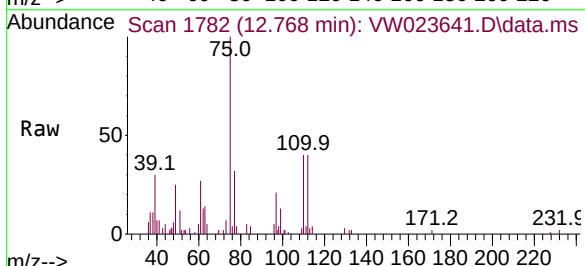
Tgt Ion: 75 Resp: 6664

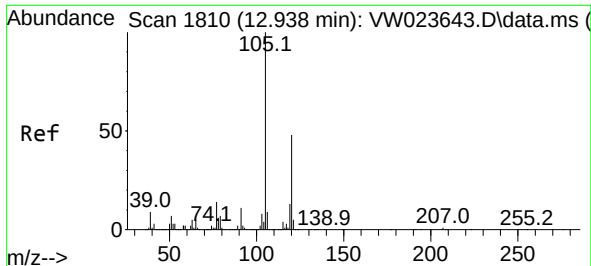
Ion Ratio Lower Upper

75 100

77 34.1 25.0 37.4

110 38.8 31.9 47.9





#62

1,3,5-Trimethylbenzene

Concen: 2.170 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

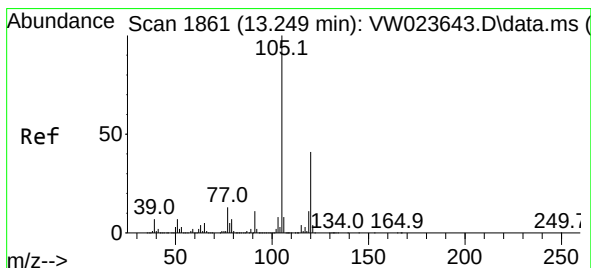
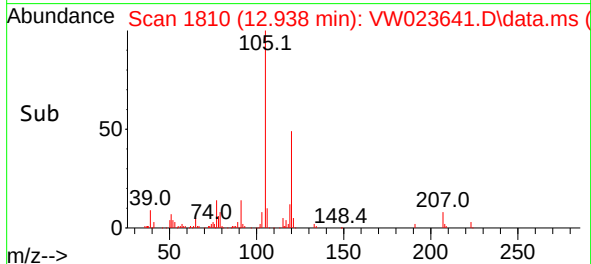
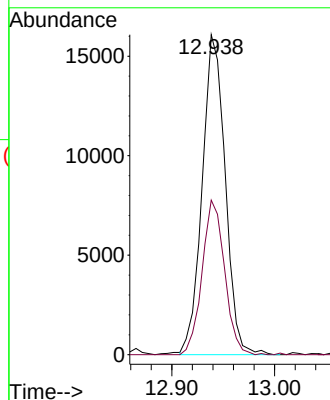
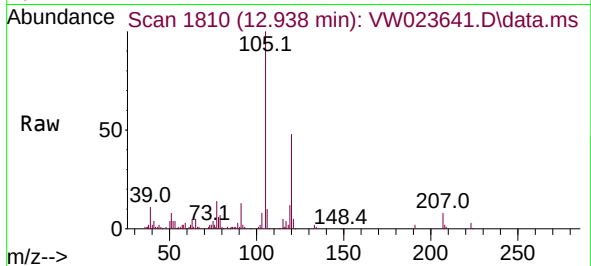
VSTD2.5450

Tgt Ion:105 Resp: 25059

Ion Ratio Lower Upper

105 100

120 47.1 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 2.166 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. -0.000 min

Lab File: VW023641.D

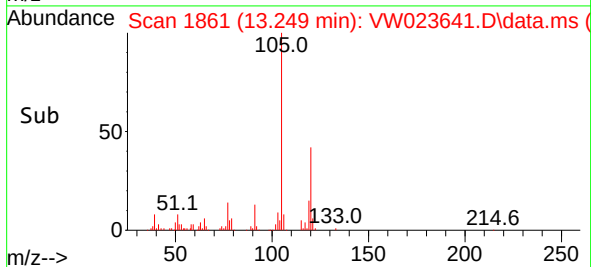
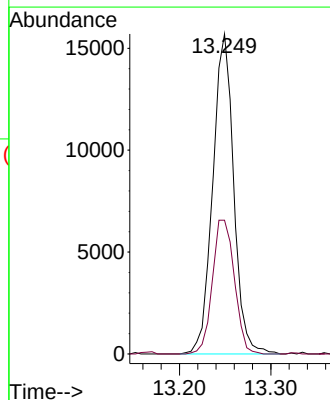
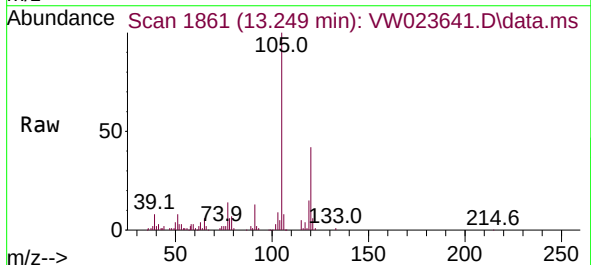
Acq: 13 Jul 2022 11:42

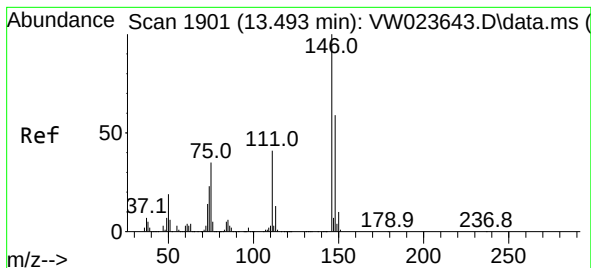
Tgt Ion:105 Resp: 25002

Ion Ratio Lower Upper

105 100

120 43.9 35.5 53.3





#64

1,3-Dichlorobenzene

Concen: 2.485 ug/L

RT: 13.493 min Scan# 1901

Delta R.T. -0.000 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

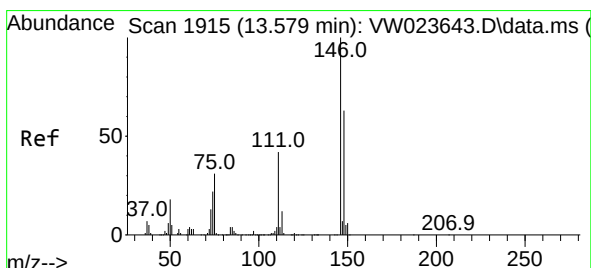
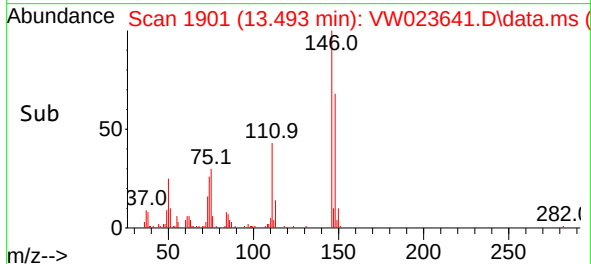
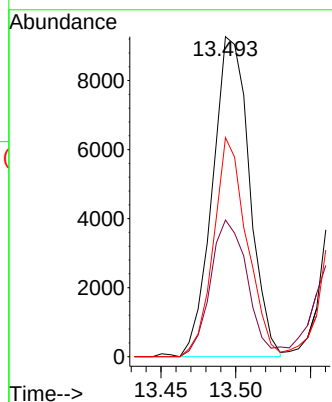
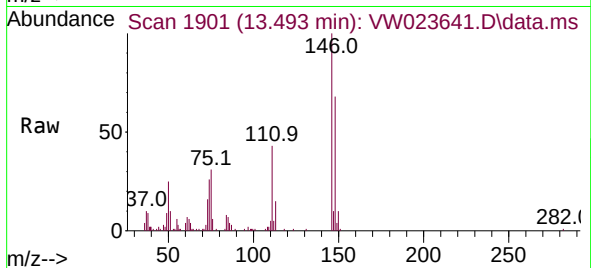
Tgt Ion:146 Resp: 15908

Ion Ratio Lower Upper

146 100

111 42.7 28.6 53.2

148 68.4 41.2 76.4



#65

1,4-Dichlorobenzene

Concen: 2.665 ug/L

RT: 13.572 min Scan# 1914

Delta R.T. -0.006 min

Lab File: VW023641.D

Acq: 13 Jul 2022 11:42

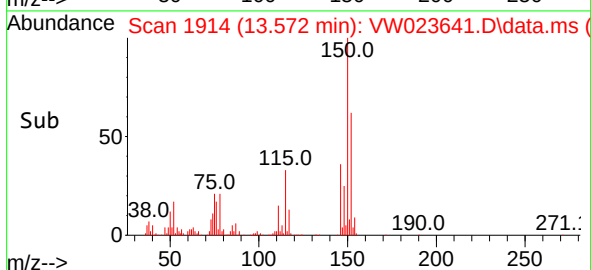
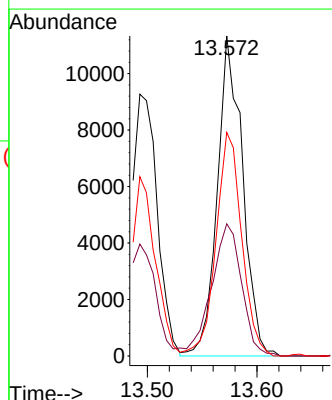
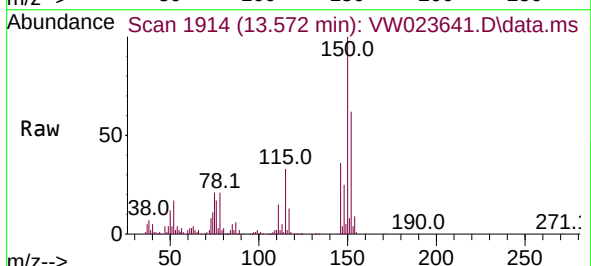
Tgt Ion:146 Resp: 18152

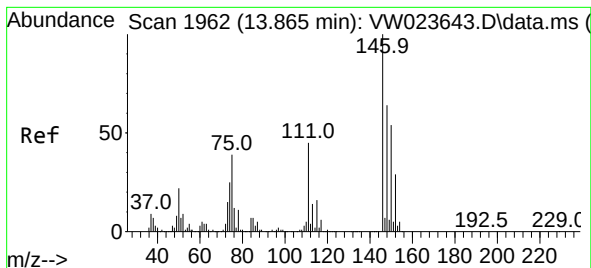
Ion Ratio Lower Upper

146 100

111 41.3 29.4 54.6

148 69.8 44.4 82.5

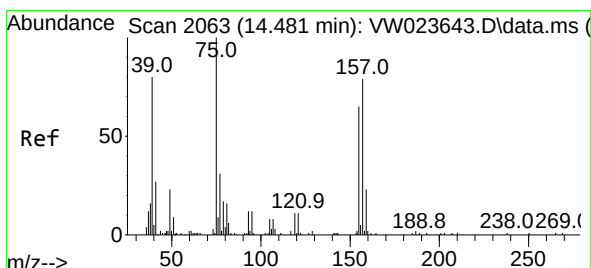
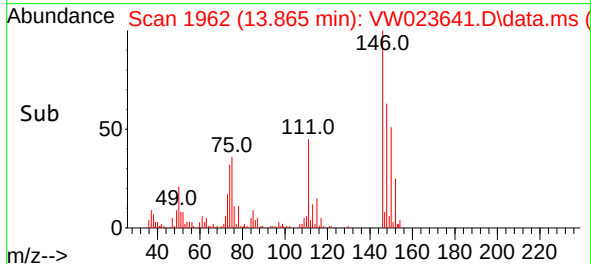
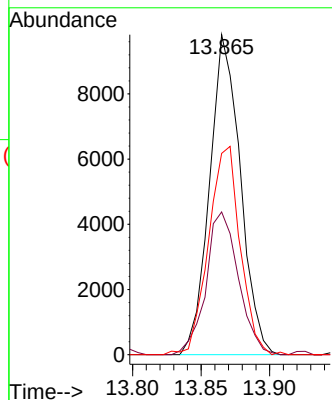
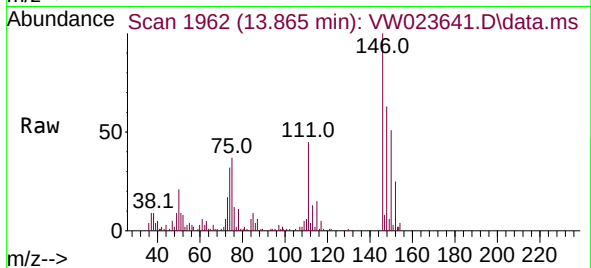




#67
1,2-Dichlorobenzene
Concen: 2.539 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

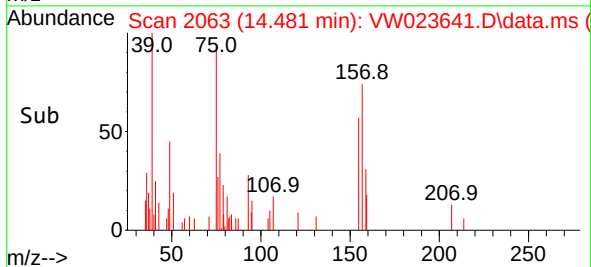
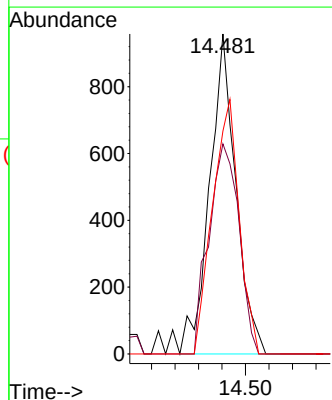
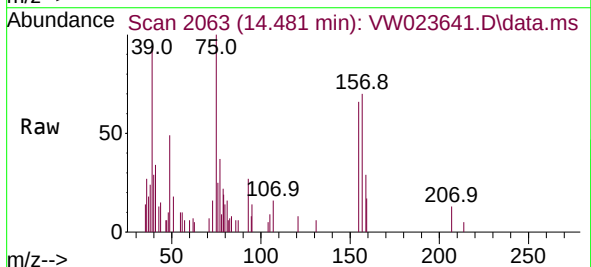
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

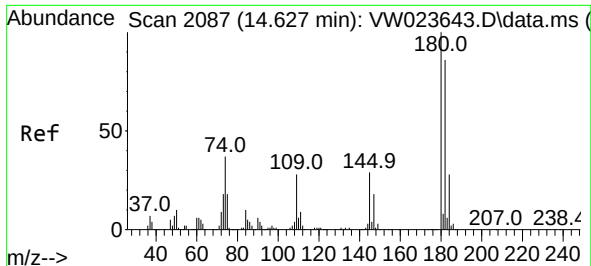
Tgt Ion:	146	Resp:	15332
Ion Ratio	Lower	Upper	
146	100		
111	44.6	35.9	53.9
148	62.9	51.3	76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 2.801 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion:	75	Resp:	1487
Ion Ratio	Lower	Upper	
75	100		
155	65.7	51.7	77.5
157	69.6	63.5	95.3

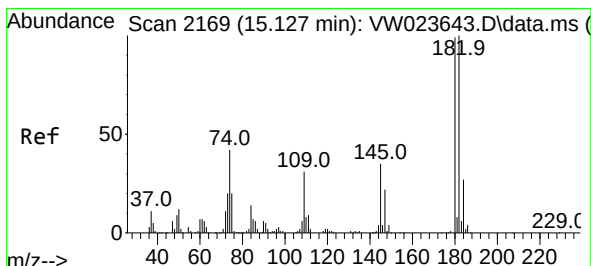
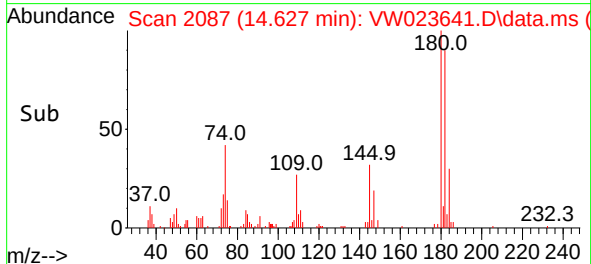
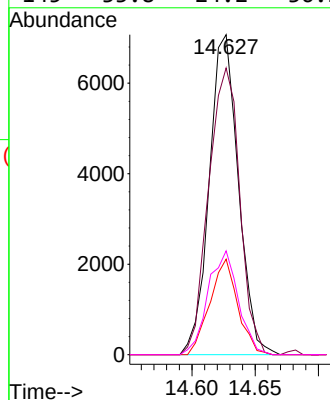
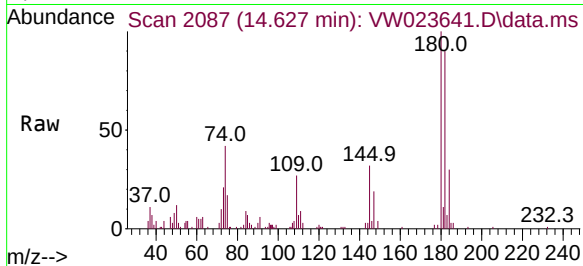




#69
 1,3,5-Trichlorobenzene
 Concen: 2.673 ug/L
 RT: 14.627 min Scan# 2087
 Delta R.T. -0.000 min
 Lab File: VW023641.D
 Acq: 13 Jul 2022 11:42

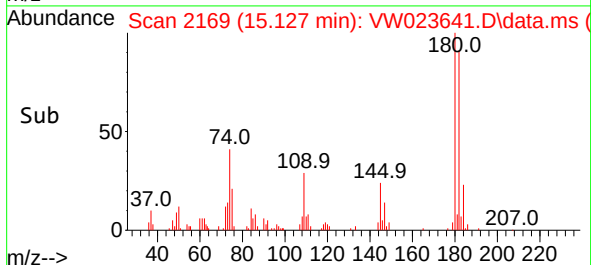
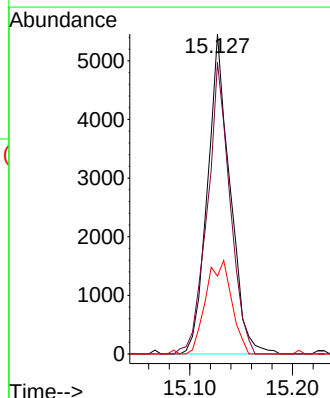
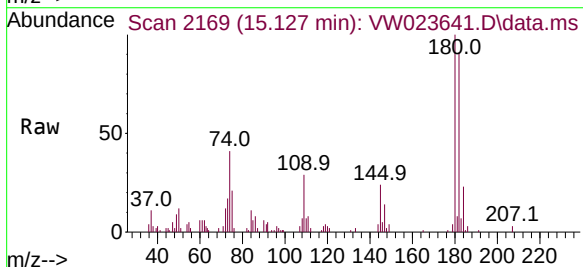
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5450

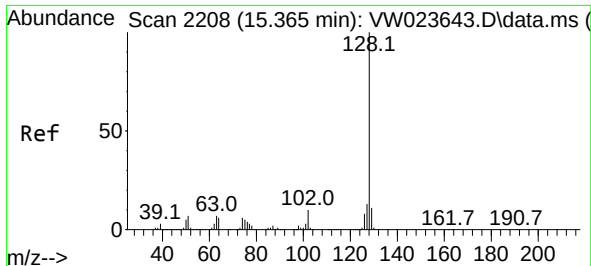
Tgt Ion:	180	Resp:	11329
Ion Ratio	Lower	Upper	
180	100		
182	95.4	70.2	105.2
184	28.6	22.6	34.0
145	33.8	24.2	36.2



#70
 1,2,4-trichlorobenzene
 Concen: 2.541 ug/L
 RT: 15.127 min Scan# 2169
 Delta R.T. -0.000 min
 Lab File: VW023641.D
 Acq: 13 Jul 2022 11:42

Tgt Ion:	180	Resp:	8314
Ion Ratio	Lower	Upper	
180	100		
182	91.4	77.5	116.3
145	33.4	26.3	39.5

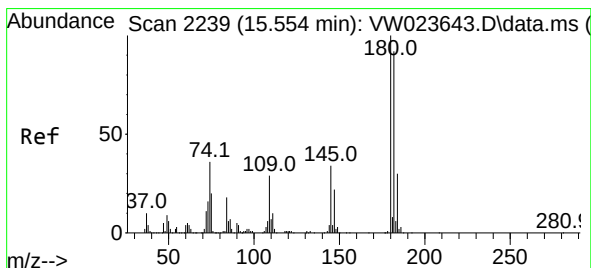
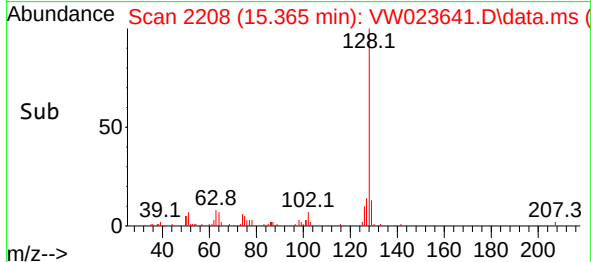
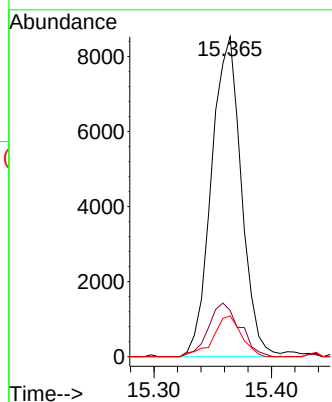
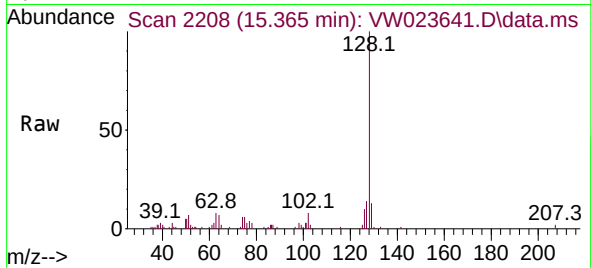




#71
Naphthalene
Concen: 2.147 ug/L
RT: 15.365 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

Tgt Ion:128 Resp: 15073
Ion Ratio Lower Upper
128 100
127 17.7 11.0 16.4#
129 12.1 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 2.524 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW023641.D
Acq: 13 Jul 2022 11:42

Tgt Ion:180 Resp: 7700
Ion Ratio Lower Upper
180 100
182 86.6 76.3 114.5
145 31.8 27.8 41.6

