

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020122\
 Data File : VW022007.D
 Acq On : 01 Feb 2022 13:31
 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: Feb 02 00:23:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020122SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 02 00:22:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	160294	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	147614	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	74381	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	4717	2.443	ug/L	0.00
7) Chloroethane-d5	2.885	69	3498	2.353	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	8558	2.509	ug/L	0.00
21) 2-Butanone-d5	7.080	46	559	1.649	ug/L	0.00
24) Chloroform-d	7.653	84	9330	2.502	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.311	65	5046	2.720	ug/L	0.00
32) Benzene-d6	8.281	84	18060	2.421	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	5070	2.499	ug/L	0.00
41) Toluene-d8	10.323	98	17214	2.328	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.585	79	2037	2.292	ug/L	0.01
47) 2-Hexanone-d5	10.927	63	1352	4.583	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.695	84	4530	2.737	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	6946	2.589	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	423	1.115	ug/L #	72
3) Chloromethane	2.215	50	4545	2.698	ug/L	90
5) Vinyl chloride	2.367	62	6483	2.679	ug/L	93
6) Bromomethane	2.782	94	5281	2.567	ug/L	98
8) Chloroethane	2.922	64	3078	2.476	ug/L	94
9) Trichlorofluoromethane	3.263	101	4897	2.681	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	4838	2.500	ug/L #	84
12) 1,1-Dichloroethene	4.044	96	4394	2.460	ug/L	94
14) Carbon disulfide	4.391	76	12461	2.392	ug/L	97
15) Methyl Acetate	4.684	43	1044	1.785	ug/L #	75
17) trans-1,2-Dichloroethene	5.421	96	2269	1.139	ug/L	85
18) Methyl tert-butyl Ether	5.434	73	6682	2.617	ug/L #	91
19) 1,1-Dichloroethane	6.226	63	7613	2.467	ug/L	95
20) cis-1,2-Dichloroethene	7.177	96	4927	2.411	ug/L	98
22) 2-Butanone	7.189	43	2006	4.850	ug/L	85
23) Bromochloromethane	7.519	128	2583	2.567	ug/L	94
25) Chloroform	7.677	83	9018	2.582	ug/L	99
27) 1,2-Dichloroethane	8.409	62	5403	2.624	ug/L	100
29) Cyclohexane	7.958	56	6660	2.298	ug/L	97
30) 1,1,1-Trichloroethane	7.878	97	7813	2.392	ug/L	96
31) Carbon tetrachloride	8.073	117	7455	2.331	ug/L	99
33) Benzene	8.323	78	19304	2.494	ug/L	100
34) Trichloroethene	9.092	95	5307	2.412	ug/L	94
35) Methylcyclohexane	9.335	83	8744	2.355	ug/L	98
37) 1,2-Dichloropropane	9.372	63	4213	2.478	ug/L	98
38) Bromodichloromethane	9.652	83	5670	2.336	ug/L #	99
39) cis-1,3-Dichloropropene	10.073	75	5781	2.120	ug/L	95
40) 4-Methyl-2-pentanone	10.213	43	4193	5.028	ug/L	99
42) Toluene	10.390	91	20891	2.381	ug/L	91
44) trans-1,3-Dichloropropene	10.610	75	5024	2.138	ug/L	88
45) 1,1,2-Trichloroethane	10.786	97	3612	2.500	ug/L	96
46) Tetrachloroethene	10.866	164	5001	2.438	ug/L	88

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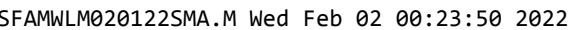
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 Quant Title : SFAM01.0
 QLast Update : Wed Feb 02 00:22:49 2022
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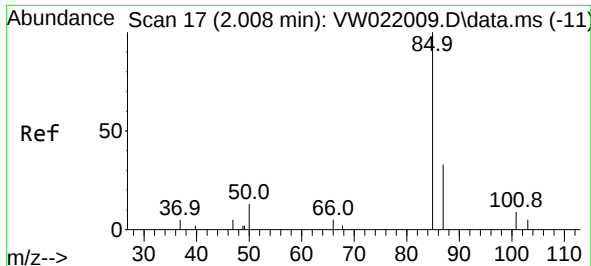
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) 2-Hexanone	10.969	43	2791	4.498	ug/L	97
49) Dibromochloromethane	11.128	129	4138	2.274	ug/L	98
50) 1,2-Dibromoethane	11.238	107	3376	2.360	ug/L #	91
51) Chlorobenzene	11.658	112	14490	2.427	ug/L	91
52) Ethylbenzene	11.731	91	22617	2.337	ug/L	99
53) m,p-Xylene	11.835	106	9190	2.288	ug/L	98
54) o-Xylene	12.164	106	8846	2.355	ug/L	93
55) Styrene	12.182	104	13332	2.197	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.713	83	4120	2.620	ug/L	96
59) Bromoform	12.353	173	2157	2.196	ug/L #	32
60) Isopropylbenzene	12.463	105	22515	2.317	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	2981	2.751	ug/L	99
62) 1,3,5-Trimethylbenzene	12.945	105	13985	2.170	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	17426	2.219	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	11514	2.473	ug/L	99
65) 1,4-Dichlorobenzene	13.579	146	11659	2.502	ug/L	93
67) 1,2-Dichlorobenzene	13.871	146	10700	2.586	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.621	75	1254	5.688	ug/L #	1
69) 1,3,5-Trichlorobenzene	14.627	180	8295	2.478	ug/L	96
70) 1,2,4-trichlorobenzene	15.133	180	6188	2.327	ug/L	96
71) Naphthalene	15.359	128	10102	2.329	ug/L	99
72) 1,2,3-Trichlorobenzene	15.554	180	5709	2.512	ug/L	96

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

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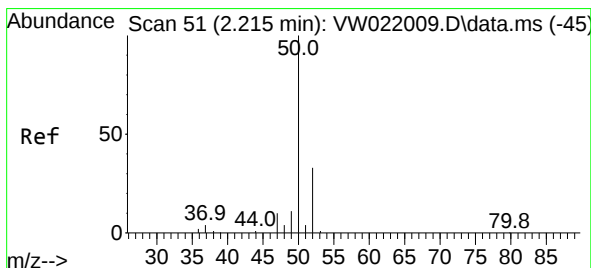
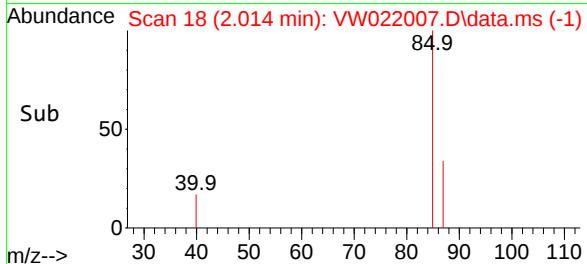
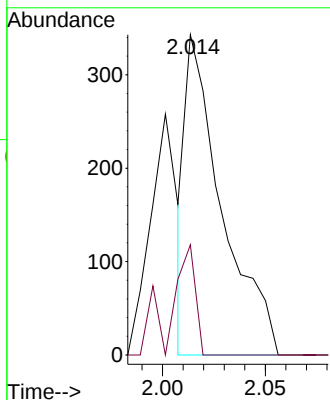
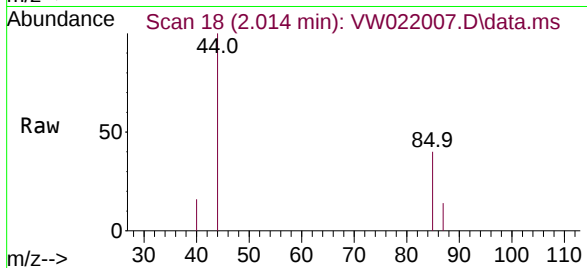




#2
 Dichlorodifluoromethane
 Concen: 1.115 ug/L
 RT: 2.014 min Scan# 18
 Delta R.T. 0.006 min
 Lab File: VW022007.D
 Acq: 01 Feb 2022 13:31

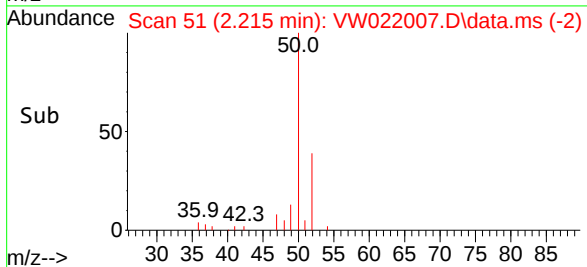
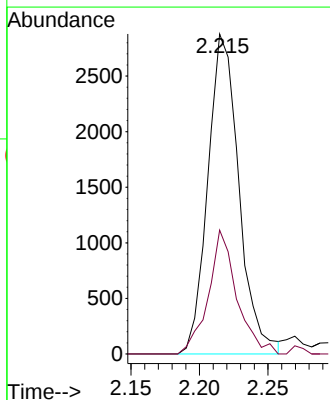
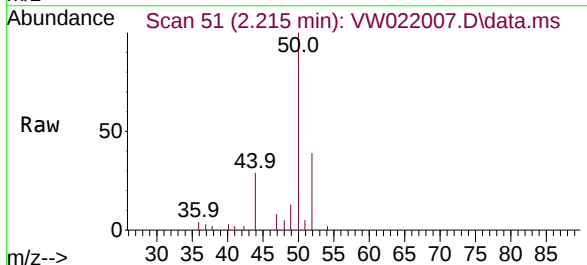
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.5450

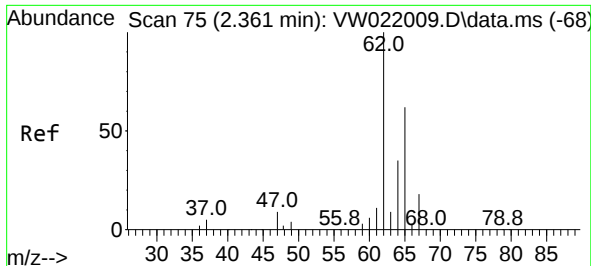
Tgt Ion: 85 Resp: 423
 Ion Ratio Lower Upper
 85 100
 87 17.3 26.2 39.4#



#3
 Chloromethane
 Concen: 2.698 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW022007.D
 Acq: 01 Feb 2022 13:31

Tgt Ion: 50 Resp: 4545
 Ion Ratio Lower Upper
 50 100
 52 38.7 23.3 43.3

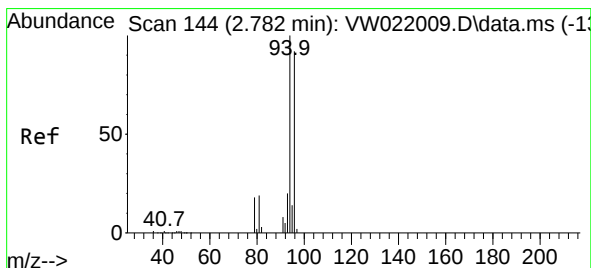
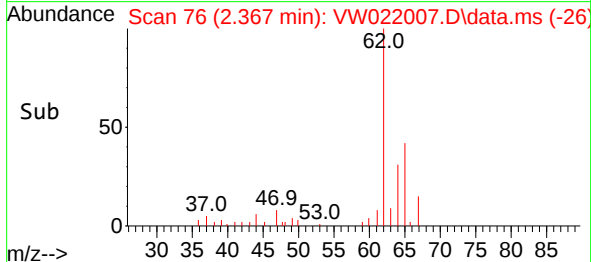
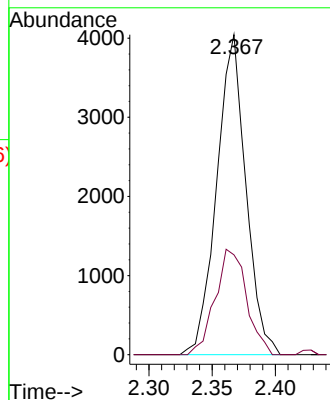
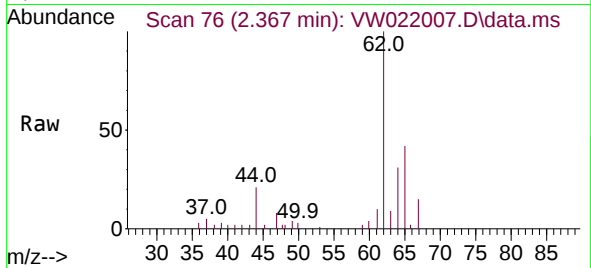




#5
 Vinyl chloride
 Concen: 2.679 ug/L
 RT: 2.367 min Scan# 75
 Delta R.T. 0.006 min
 Lab File: VW022007.D
 Acq: 01 Feb 2022 13:31

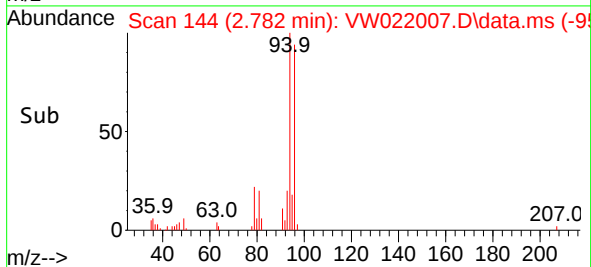
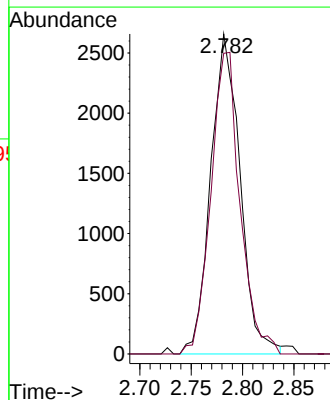
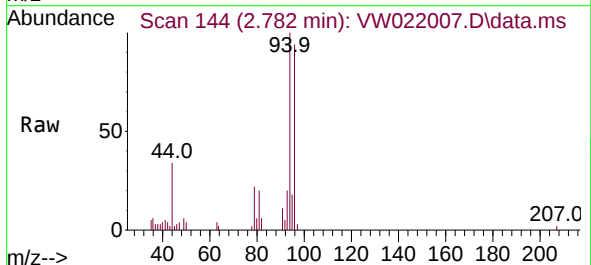
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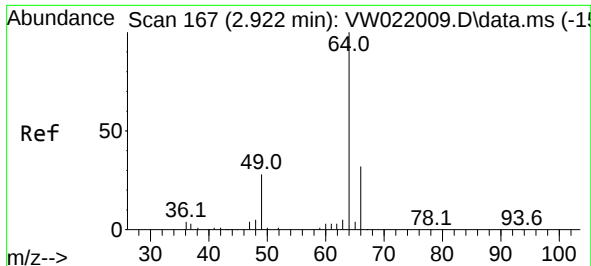
Tgt Ion: 62 Resp: 6483
 Ion Ratio Lower Upper
 62 100
 64 31.2 24.6 45.6



#6
 Bromomethane
 Concen: 2.567 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. -0.000 min
 Lab File: VW022007.D
 Acq: 01 Feb 2022 13:31

Tgt Ion: 94 Resp: 5281
 Ion Ratio Lower Upper
 94 100
 96 93.9 64.6 120.0

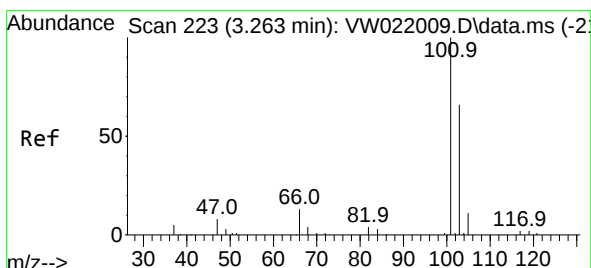
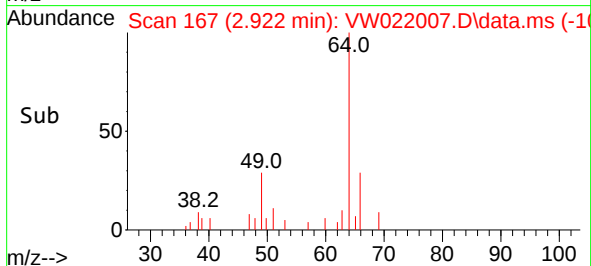
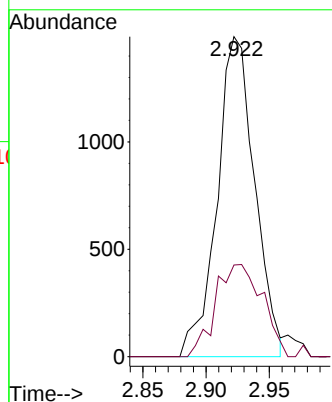
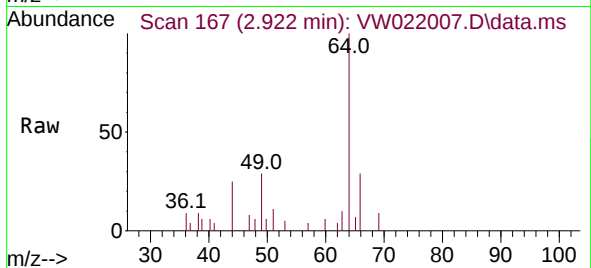




#8
Chloroethane
Concen: 2.476 ug/L
RT: 2.922 min Scan# 167
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

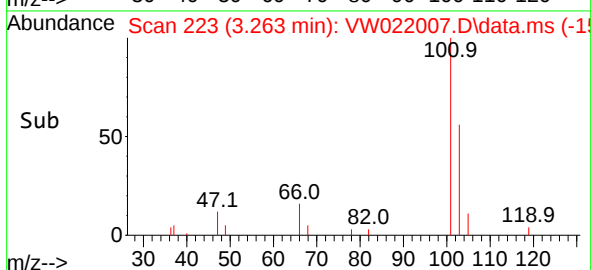
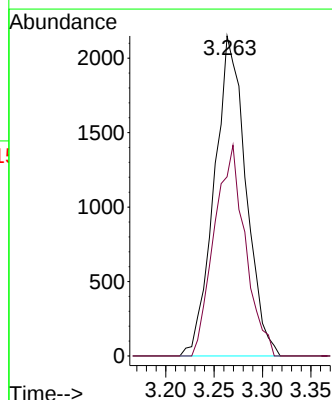
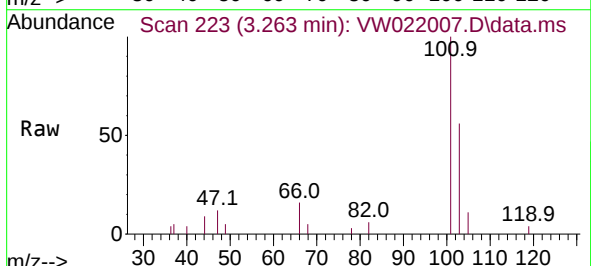
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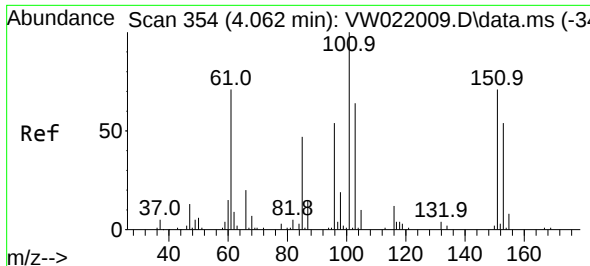
Tgt Ion: 64 Resp: 3078
Ion Ratio Lower Upper
64 100
66 28.7 22.3 41.5



#9
Trichlorofluoromethane
Concen: 2.681 ug/L
RT: 3.263 min Scan# 223
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 101 Resp: 4897
Ion Ratio Lower Upper
101 100
103 64.4 52.9 79.3

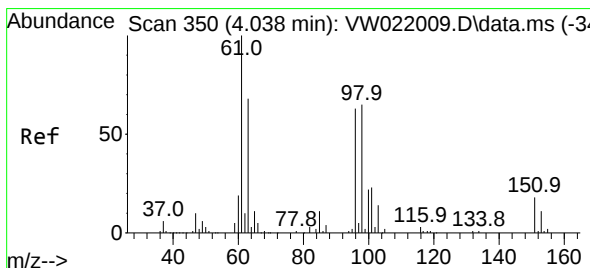
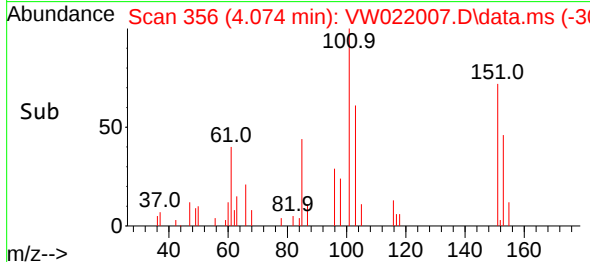
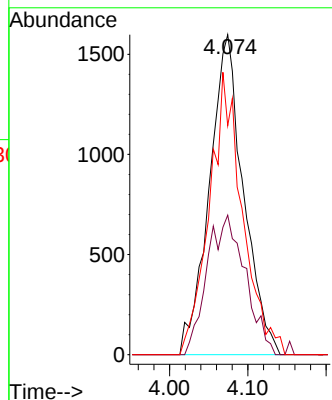
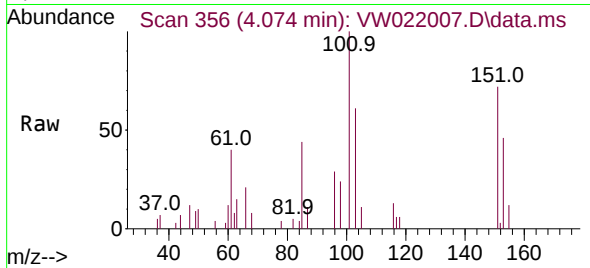




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.500 ug/L
RT: 4.074 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

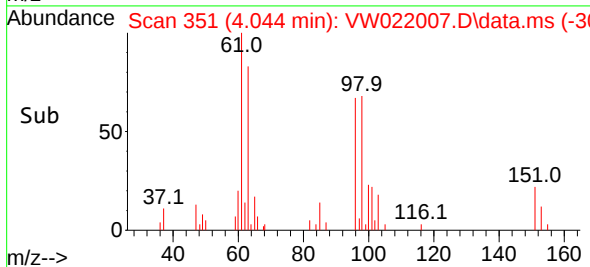
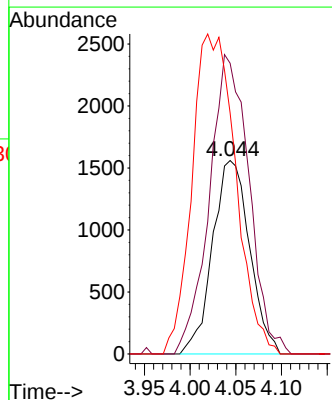
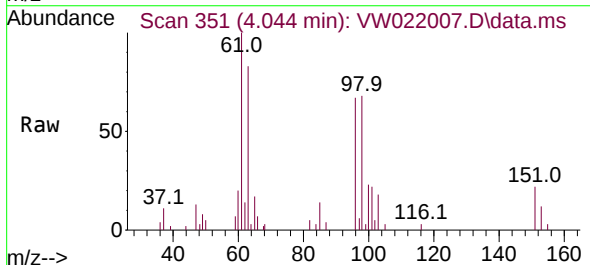
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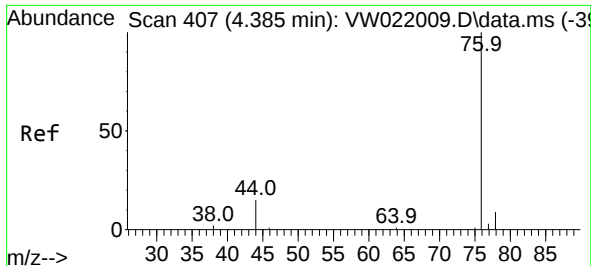
Tgt Ion:101 Resp: 4838
Ion Ratio Lower Upper
101 100
85 21.1 36.8 55.2#
151 83.3 64.1 96.1



#12
1,1-Dichloroethene
Concen: 2.460 ug/L
RT: 4.044 min Scan# 351
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 96 Resp: 4394
Ion Ratio Lower Upper
96 100
61 150.3 111.5 207.1
63 124.6 83.1 154.3

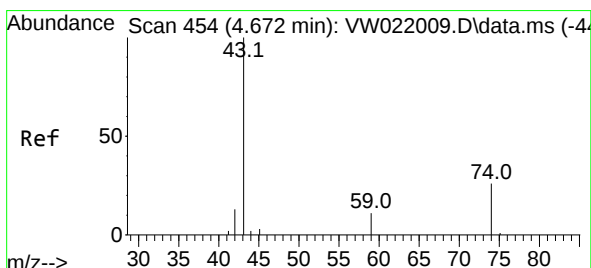
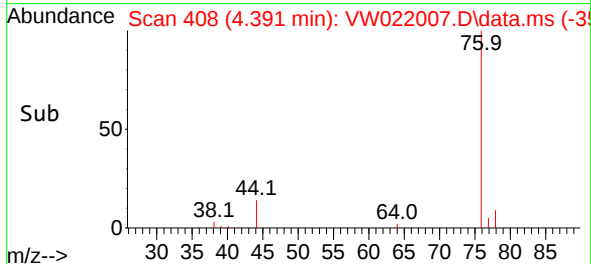
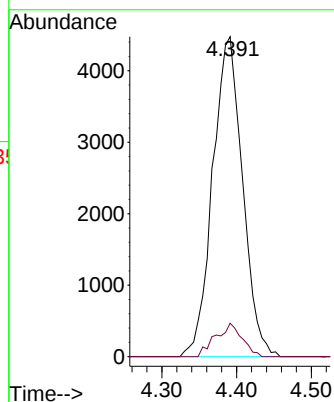
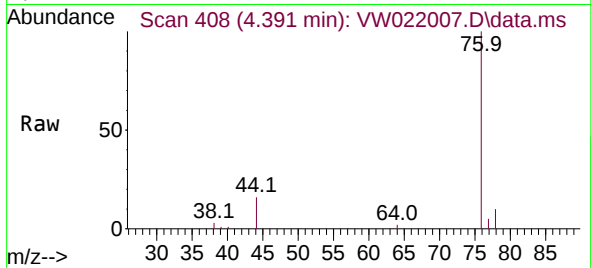




#14
Carbon disulfide
Concen: 2.392 ug/L
RT: 4.391 min Scan# 407
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

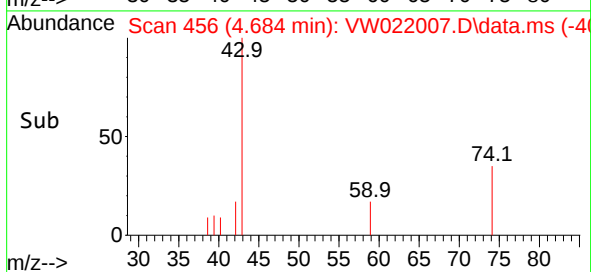
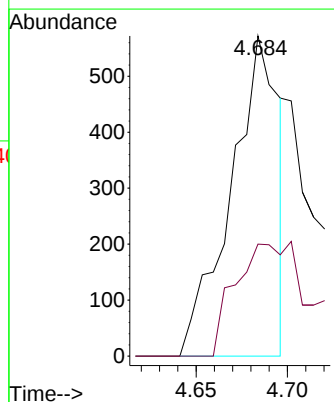
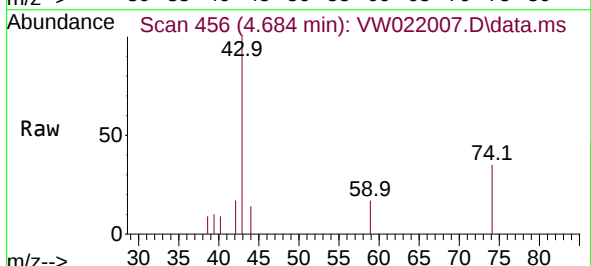
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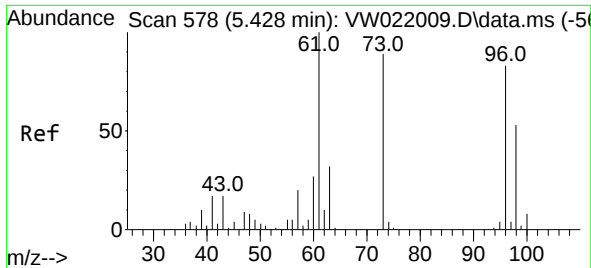
Tgt Ion: 76 Resp: 12461
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.2



#15
Methyl Acetate
Concen: 1.785 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 43 Resp: 1044
Ion Ratio Lower Upper
43 100
74 34.3 18.0 27.0#

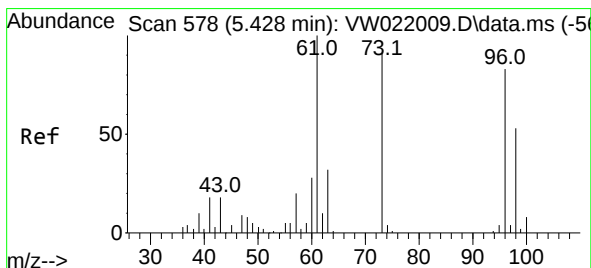
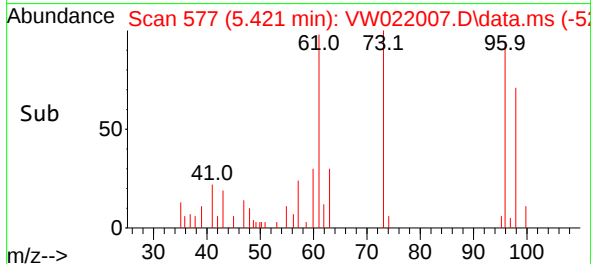
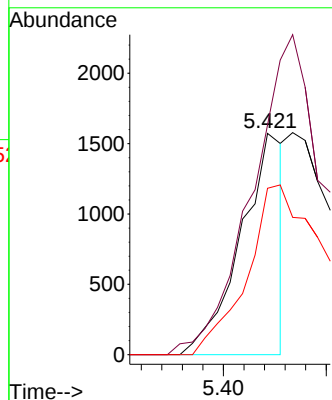
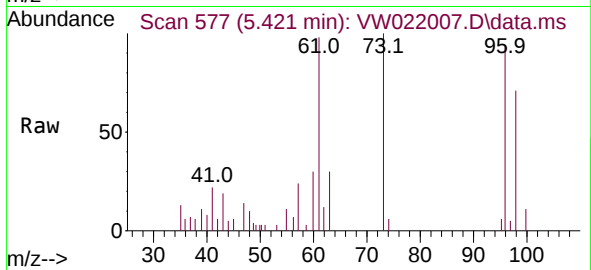




#17
trans-1,2-Dichloroethene
Concen: 1.139 ug/L
RT: 5.421 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

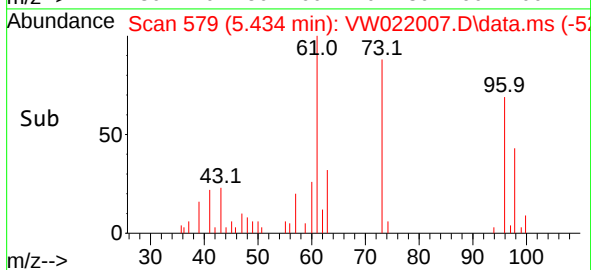
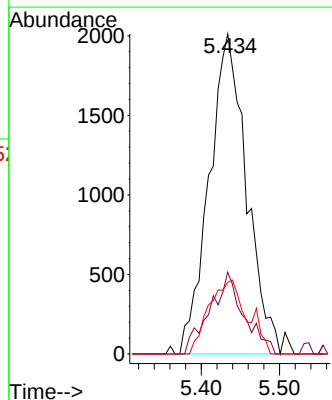
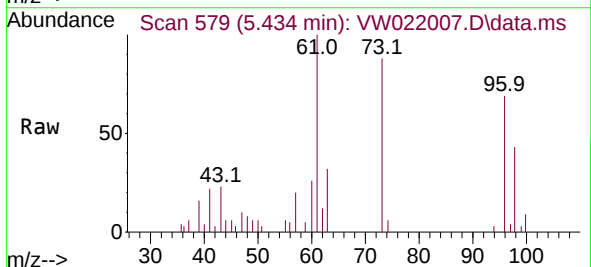
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

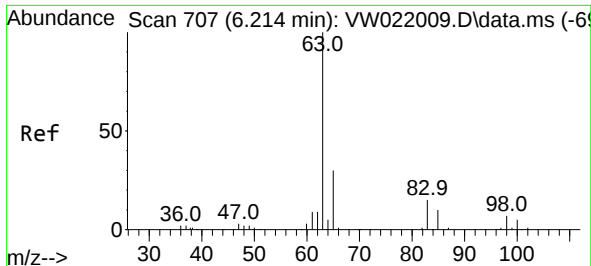
Tgt Ion: 96	Resp: 2269		
Ion Ratio	Lower	Upper	
96	100		
61	103.9	84.3	156.5
98	75.2	44.6	82.8



#18
Methyl tert-butyl Ether
Concen: 2.617 ug/L
RT: 5.434 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 73	Resp: 6682
Ion Ratio	Lower Upper
73 100	
43 11.0	15.3 22.9#
57 21.1	16.3 24.5





#19

1,1-Dichloroethane

Concen: 2.467 ug/L

RT: 6.226 min Scan# 707

Delta R.T. 0.012 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

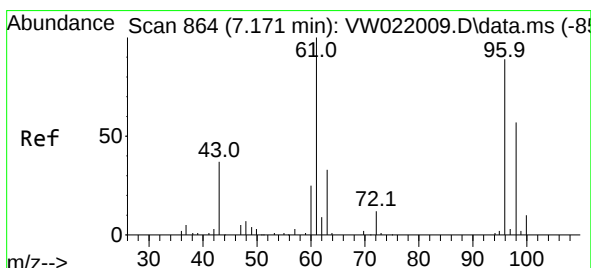
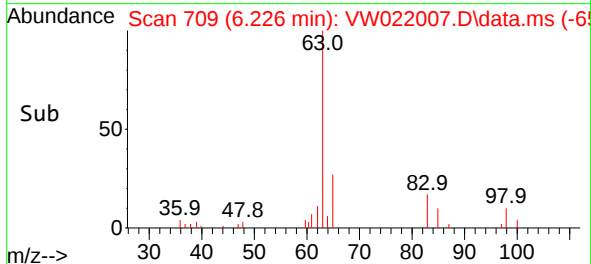
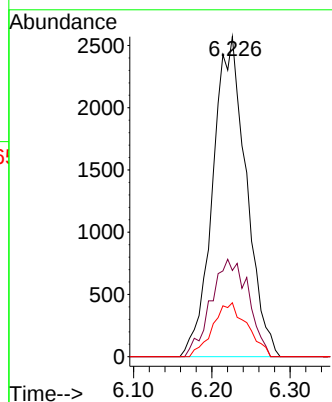
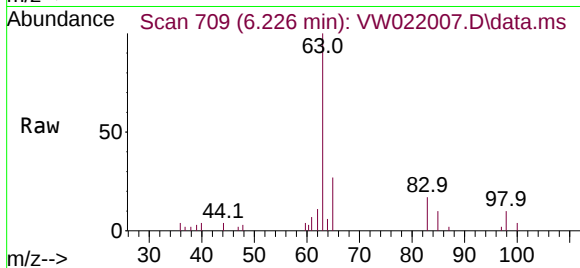
Tgt Ion: 63 Resp: 7613

Ion Ratio Lower Upper

63 100

65 27.0 20.9 38.7

83 16.8 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 2.411 ug/L

RT: 7.177 min Scan# 865

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

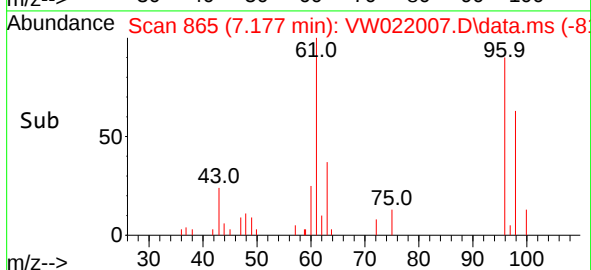
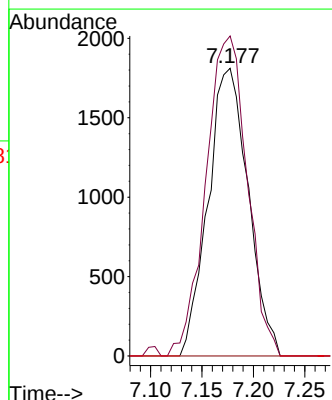
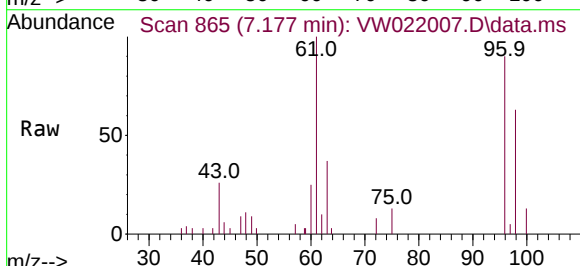
Tgt Ion: 96 Resp: 4927

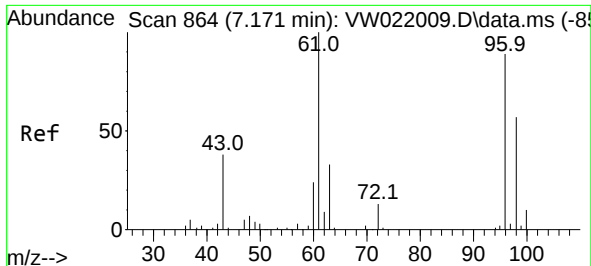
Ion Ratio Lower Upper

96 100

61 111.2 79.0 146.8

68 0.0 0.0 0.0

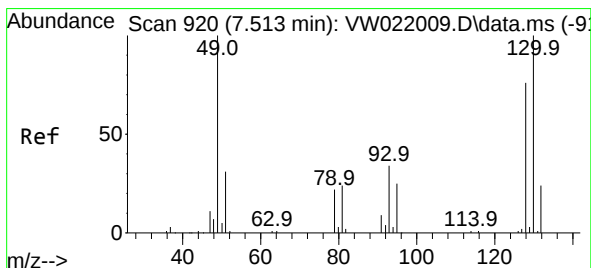
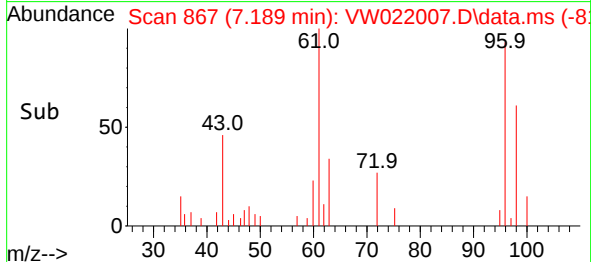
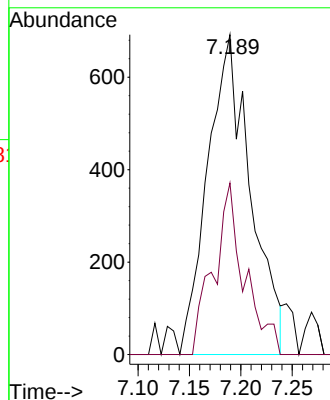
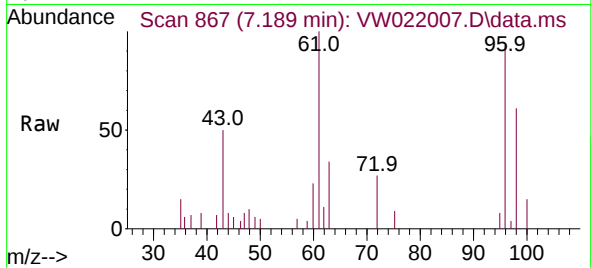




#22
2-Butanone
Concen: 4.850 ug/L
RT: 7.189 min Scan# 864
Delta R.T. 0.018 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

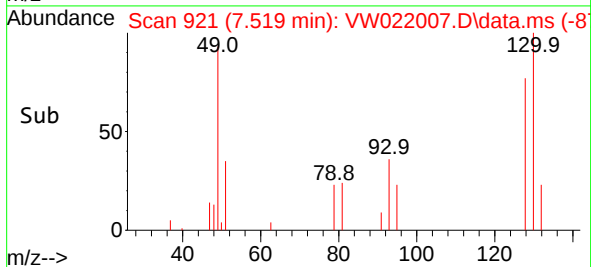
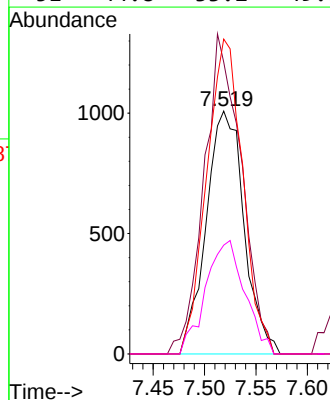
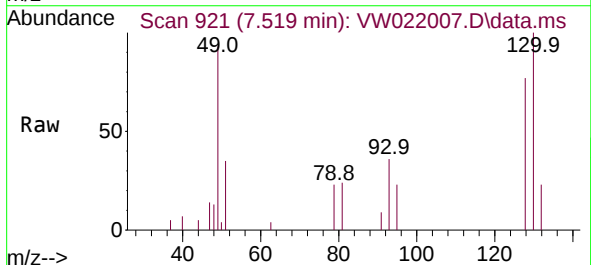
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

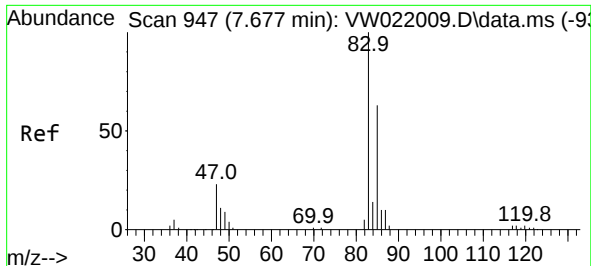
Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
72 25.2 16.8 50.4



#23
Bromochloromethane
Concen: 2.567 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 128 Resp: 2583
Ion Ratio Lower Upper
128 100
49 120.1 92.7 172.3
130 129.6 92.5 171.7
51 44.8 33.2 49.8

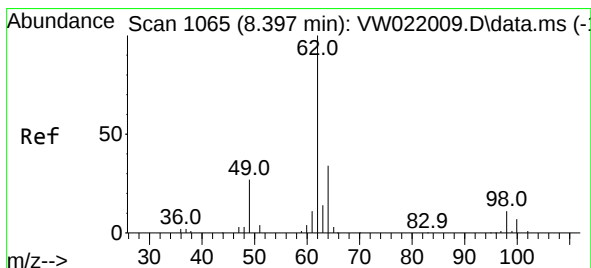
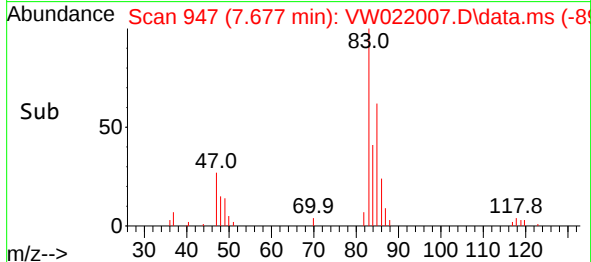
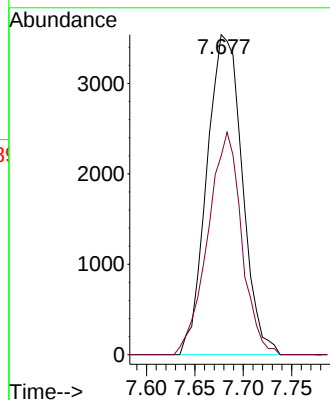
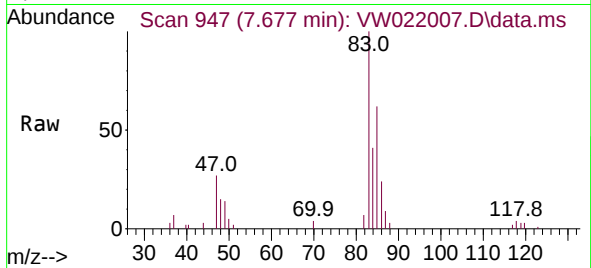




#25
Chloroform
Concen: 2.582 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

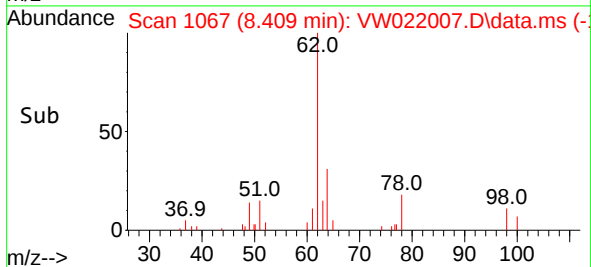
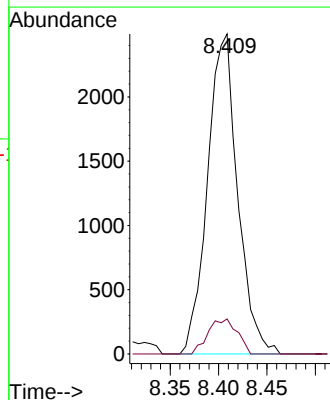
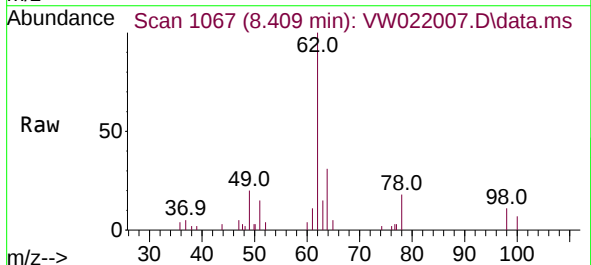
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

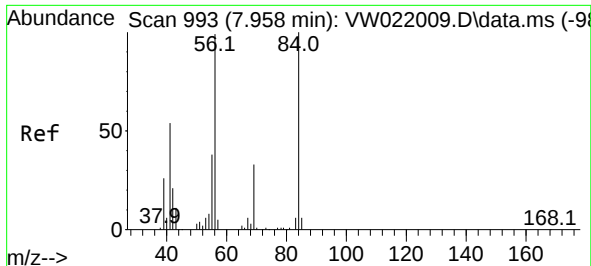
Tgt Ion: 83 Resp: 9018
Ion Ratio Lower Upper
83 100
85 62.1 44.2 82.2



#27
1,2-Dichloroethane
Concen: 2.624 ug/L
RT: 8.409 min Scan# 1067
Delta R.T. 0.012 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 62 Resp: 5403
Ion Ratio Lower Upper
62 100
98 11.0 8.8 13.2





#29

Cyclohexane

Concen: 2.298 ug/L

RT: 7.958 min Scan# 993

Delta R.T. -0.000 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

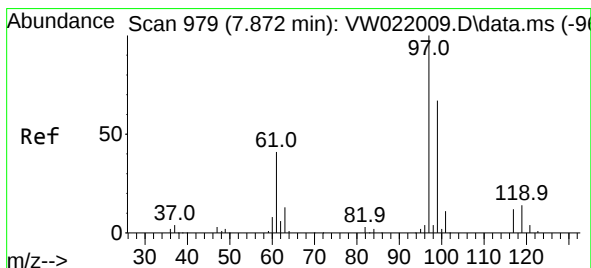
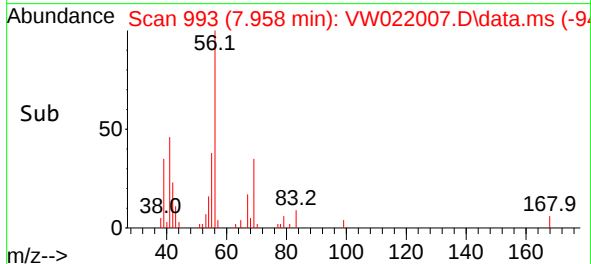
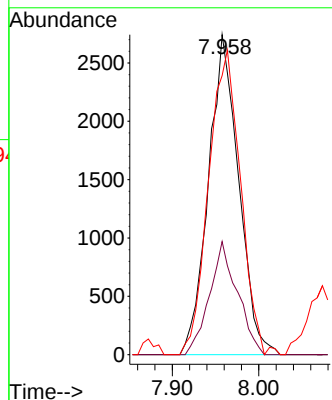
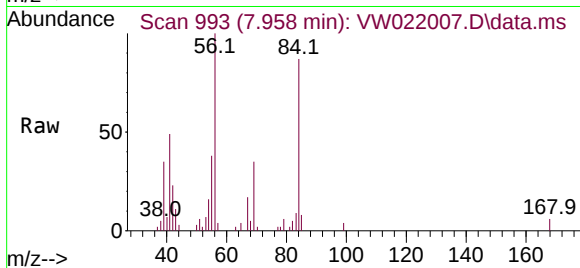
Tgt Ion: 56 Resp: 6660

Ion Ratio Lower Upper

56 100

69 32.6 26.3 39.5

84 99.7 82.3 123.5



#30

1,1,1-Trichloroethane

Concen: 2.392 ug/L

RT: 7.878 min Scan# 980

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

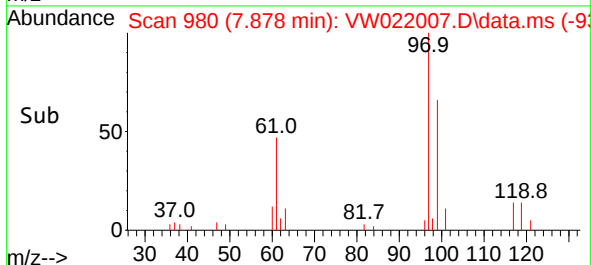
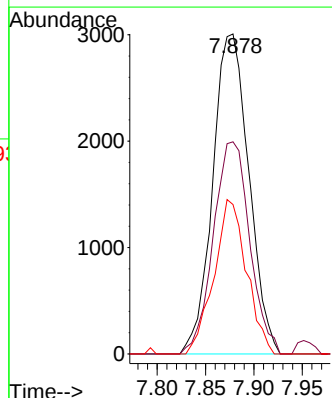
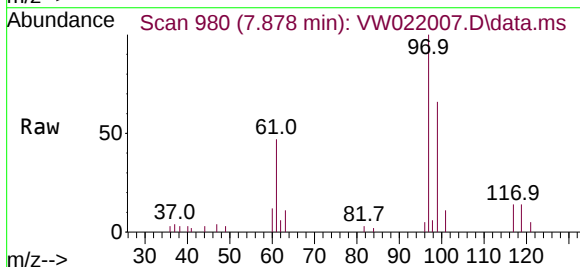
Tgt Ion: 97 Resp: 7813

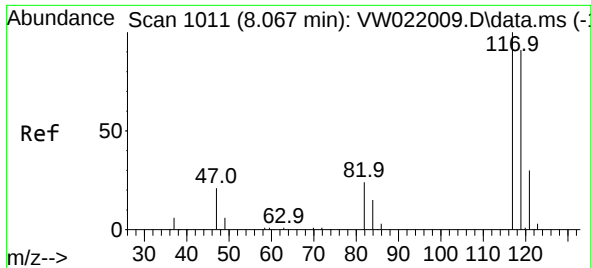
Ion Ratio Lower Upper

97 100

99 66.8 51.6 77.4

61 43.4 32.3 48.5

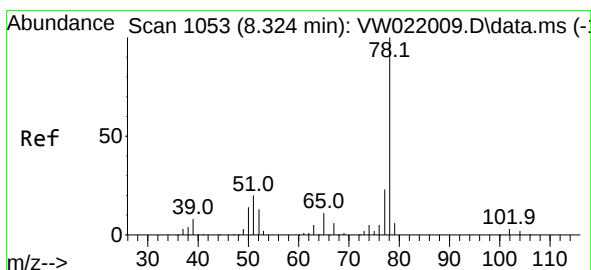
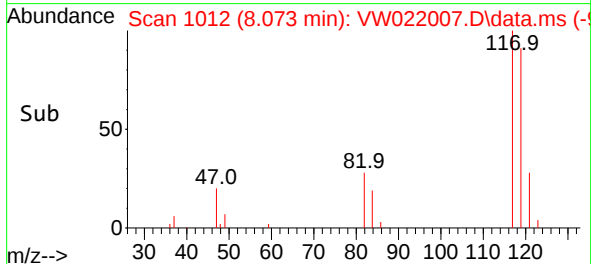
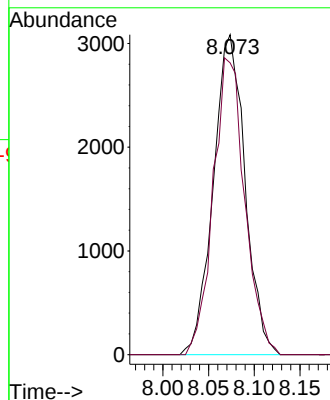
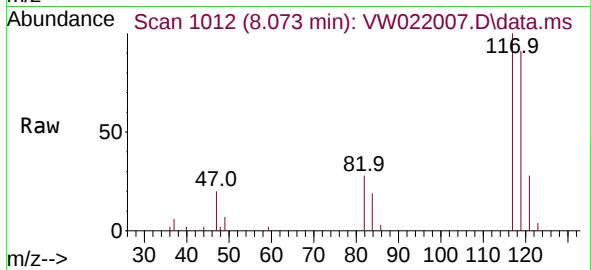




#31
Carbon tetrachloride
Concen: 2.331 ug/L
RT: 8.073 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

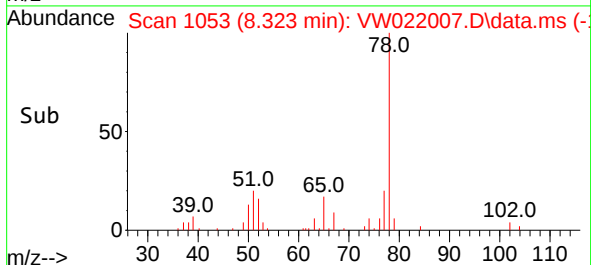
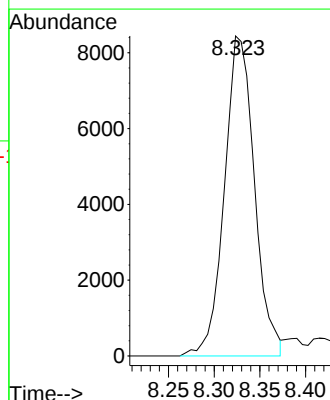
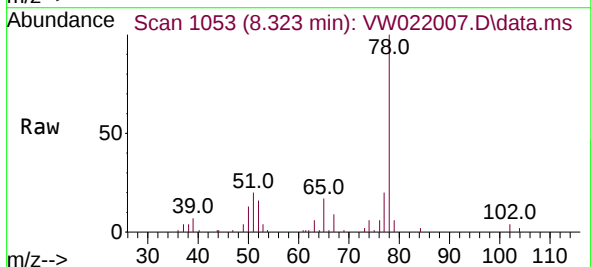
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

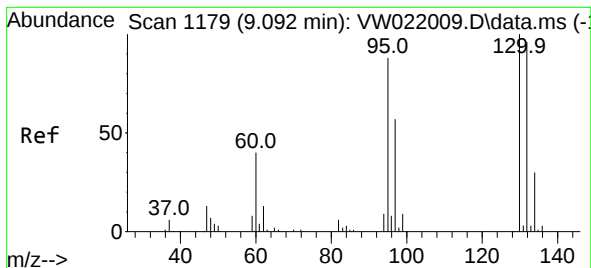
Tgt Ion:117 Resp: 7455
Ion Ratio Lower Upper
117 100
119 92.2 74.7 112.1



#33
Benzene
Concen: 2.494 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 78 Resp: 19304





#34

Trichloroethene

Concen: 2.412 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

Tgt Ion: 95 Resp: 5307

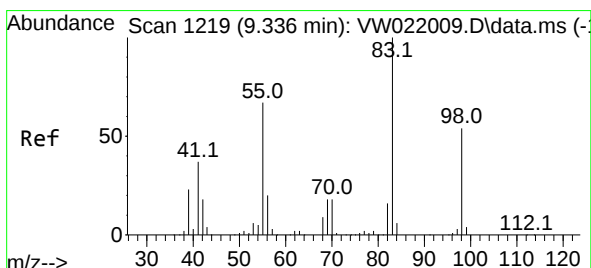
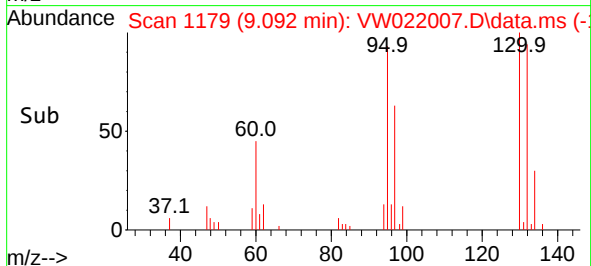
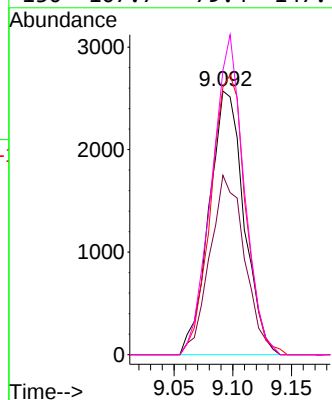
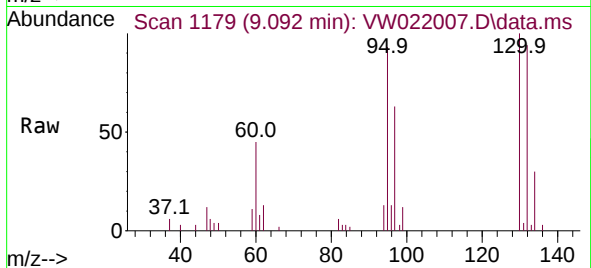
Ion Ratio Lower Upper

95 100

97 68.0 45.1 83.7

132 101.5 76.1 141.3

130 107.7 79.4 147.4



#35

Methylcyclohexane

Concen: 2.355 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

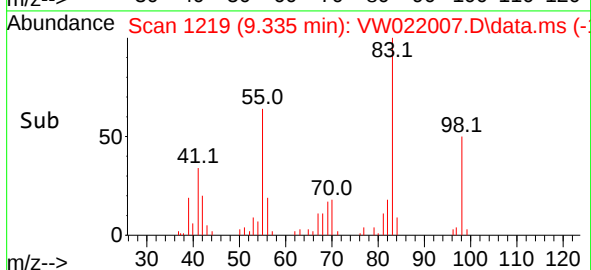
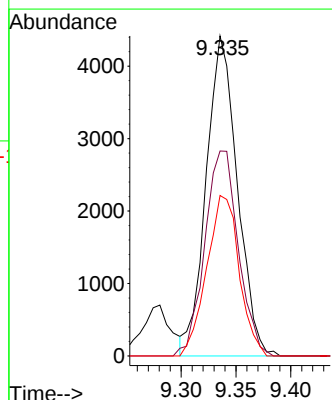
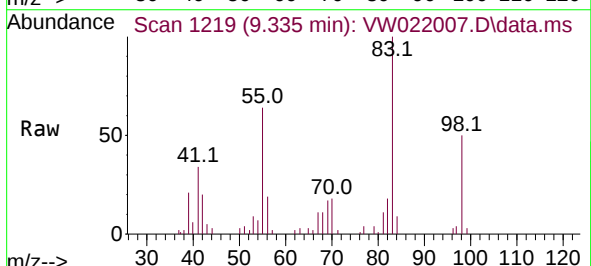
Tgt Ion: 83 Resp: 8744

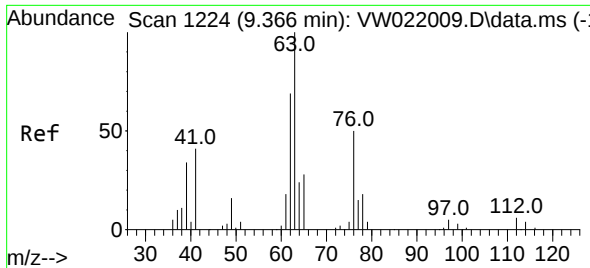
Ion Ratio Lower Upper

83 100

55 68.9 53.4 80.2

98 52.1 42.6 63.8





#37

1,2-Dichloropropane

Concen: 2.478 ug/L

RT: 9.372 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

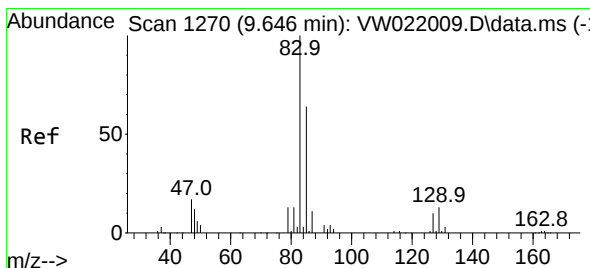
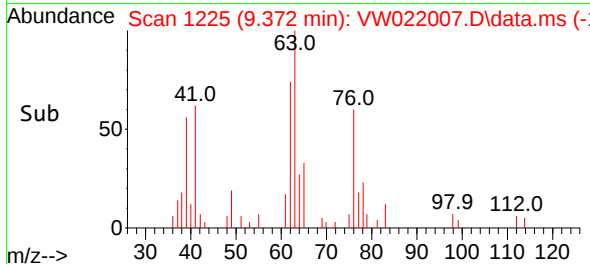
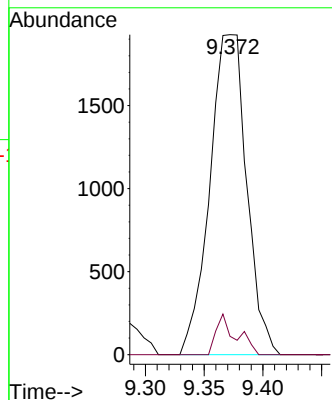
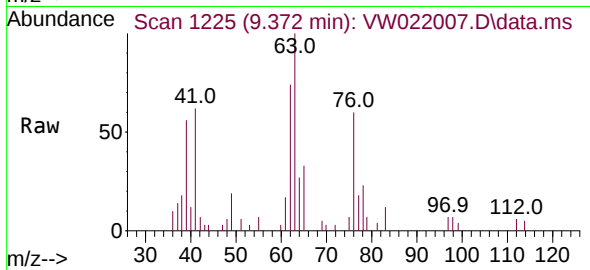
VSTD2.5450

Tgt Ion: 63 Resp: 4213

Ion Ratio Lower Upper

63 100

112 5.1 4.7 7.1



#38

Bromodichloromethane

Concen: 2.336 ug/L

RT: 9.652 min Scan# 1271

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

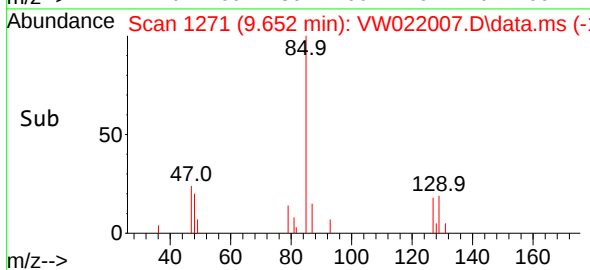
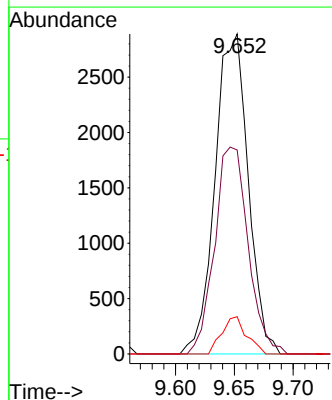
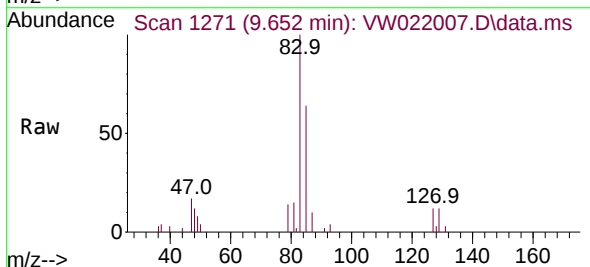
Tgt Ion: 83 Resp: 5670

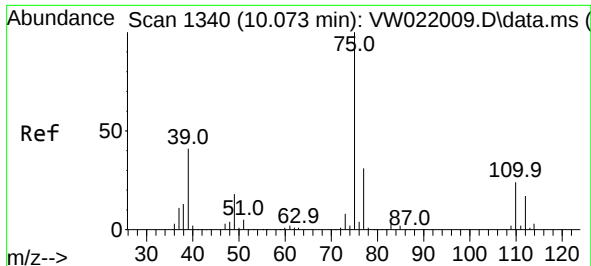
Ion Ratio Lower Upper

83 100

85 63.7 44.7 83.1

127 11.7 7.8 11.6#





#39

cis-1,3-Dichloropropene

Concen: 2.120 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

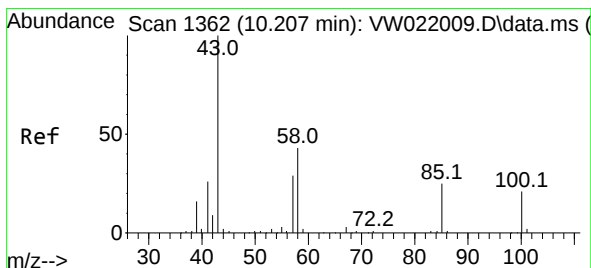
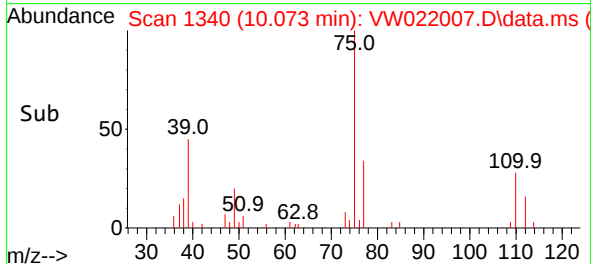
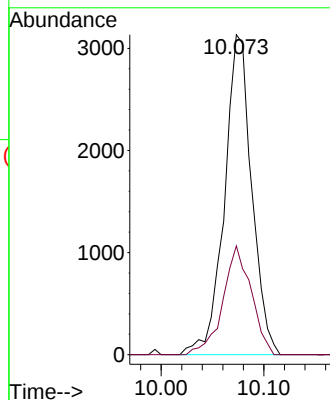
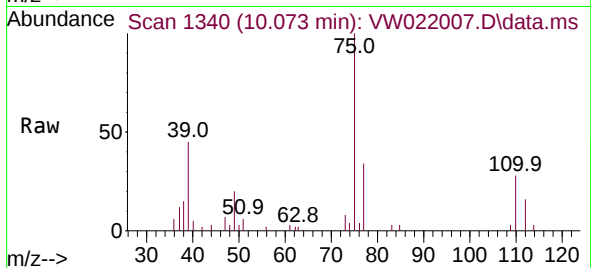
VSTD2.5450

Tgt Ion: 75 Resp: 5781

Ion Ratio Lower Upper

75 100

77 34.0 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 5.028 ug/L

RT: 10.213 min Scan# 1363

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

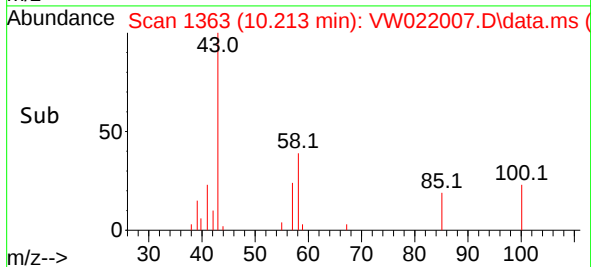
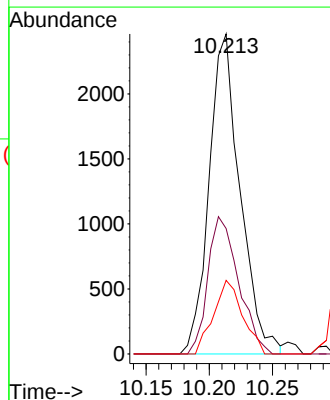
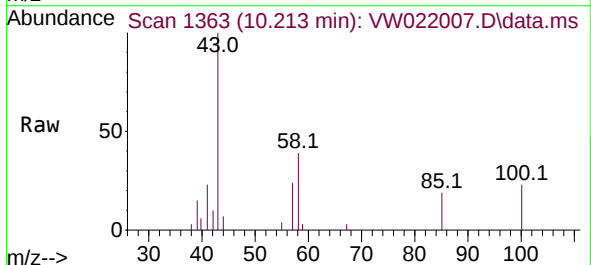
Tgt Ion: 43 Resp: 4193

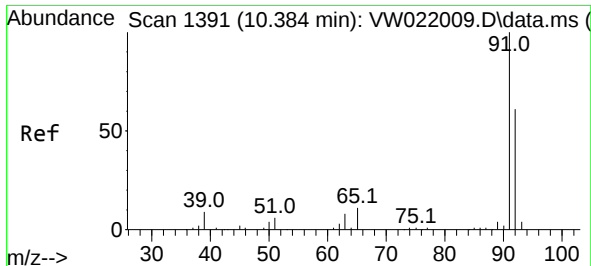
Ion Ratio Lower Upper

43 100

58 42.5 34.4 51.6

100 21.5 17.0 25.4





#42

Toluene

Concen: 2.381 ug/L

RT: 10.390 min Scan# 1391

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

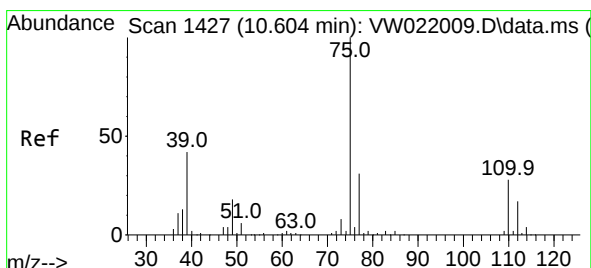
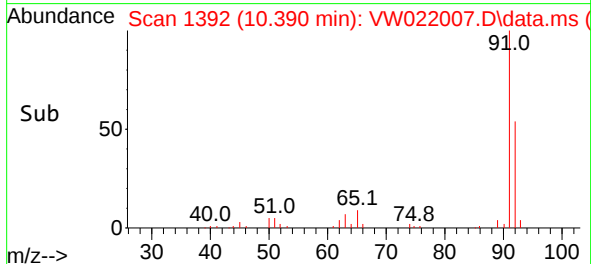
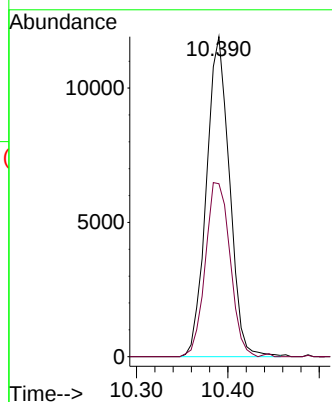
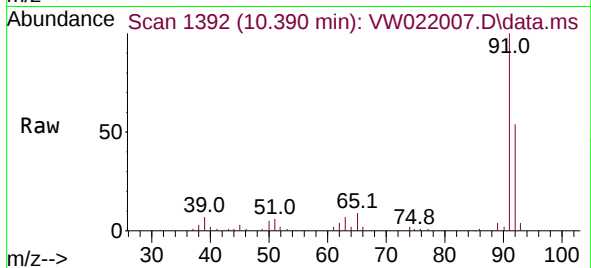
VSTD2.5450

Tgt Ion: 91 Resp: 20891

Ion Ratio Lower Upper

91 100

92 54.1 42.6 79.2



#44

trans-1,3-Dichloropropene

Concen: 2.138 ug/L

RT: 10.610 min Scan# 1428

Delta R.T. 0.006 min

Lab File: VW022007.D

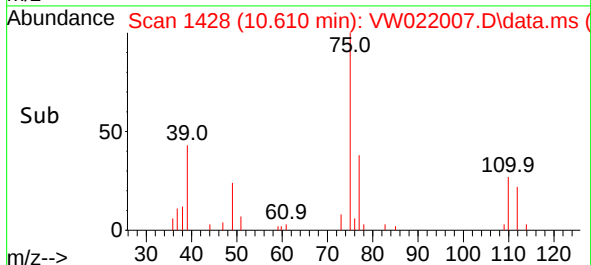
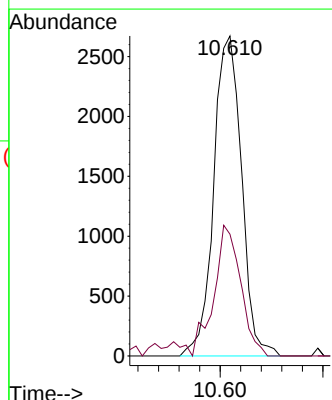
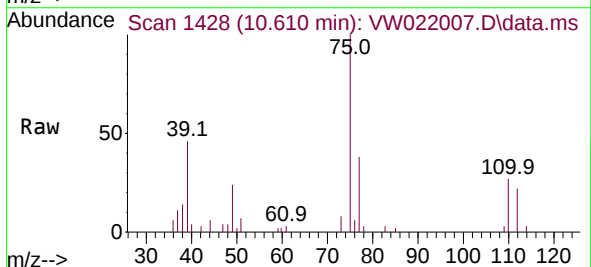
Acq: 01 Feb 2022 13:31

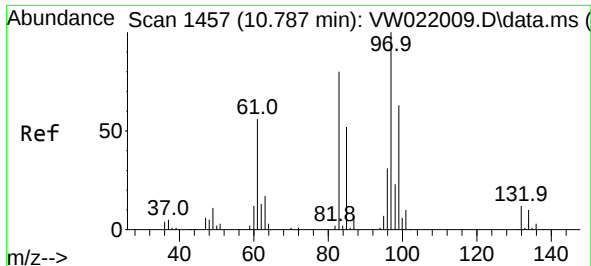
Tgt Ion: 75 Resp: 5024

Ion Ratio Lower Upper

75 100

77 38.1 22.1 41.1

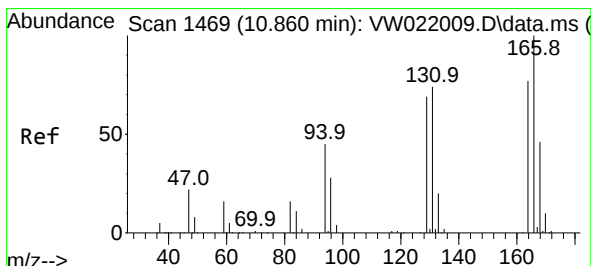
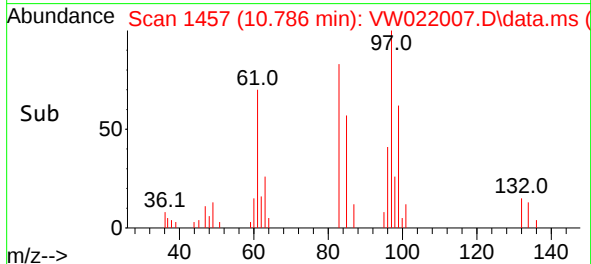
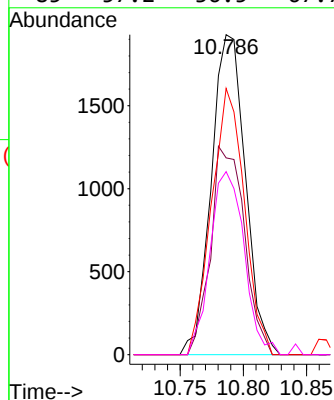
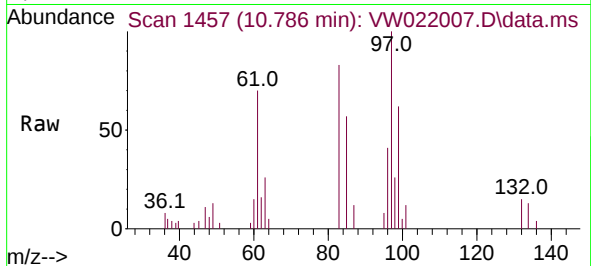




#45
1,1,2-Trichloroethane
Concen: 2.500 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

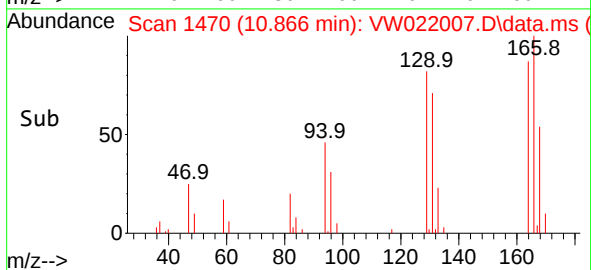
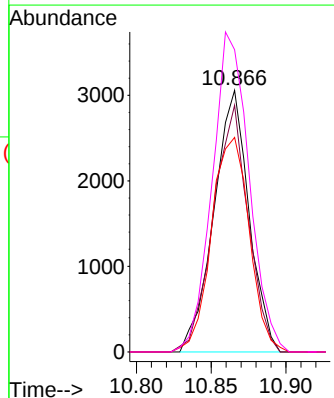
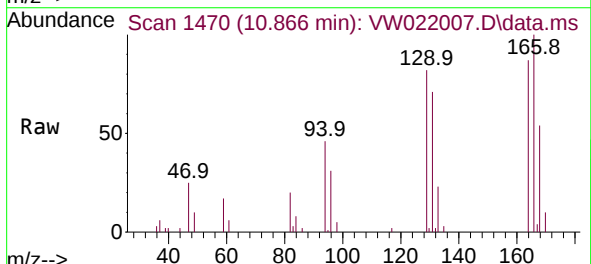
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

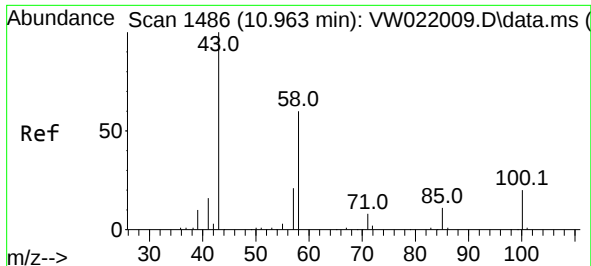
Tgt Ion:	97	Resp:	3612
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.8	81.4
83	83.2	56.1	104.3
85	57.2	36.5	67.7



#46
Tetrachloroethene
Concen: 2.438 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion:	164	Resp:	5001
Ion	Ratio	Lower	Upper
164	100		
129	96.5	62.6	116.2
131	82.0	67.1	124.7
166	115.5	91.1	169.1

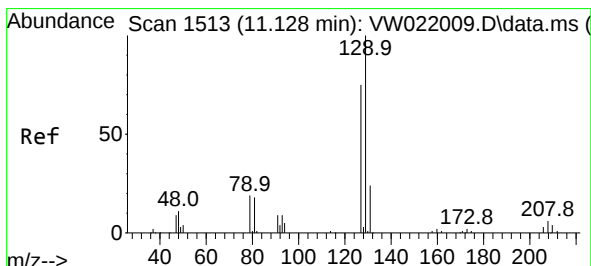
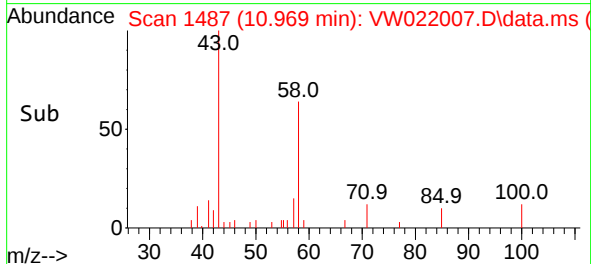
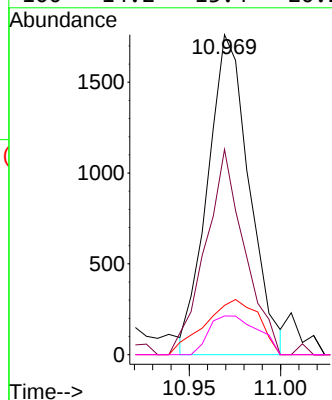
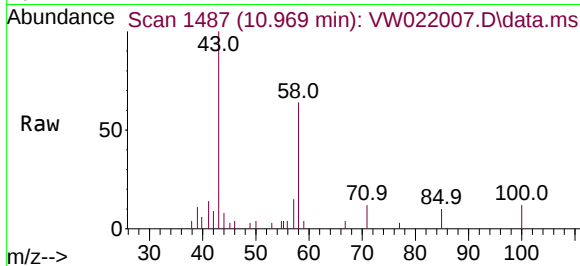




#48
2-Hexanone
Concen: 4.498 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

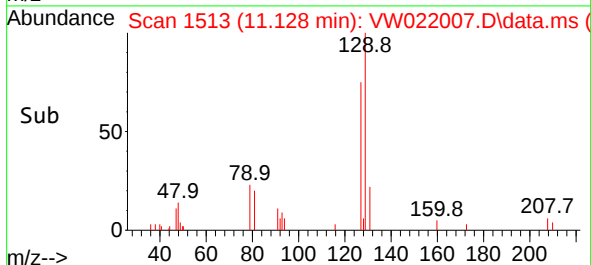
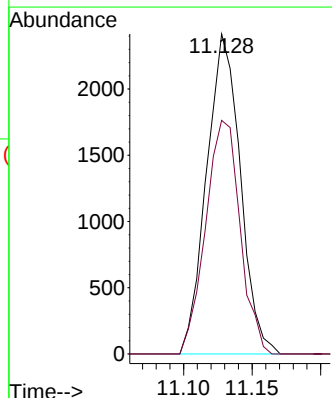
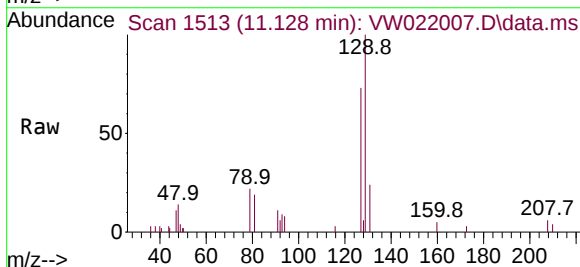
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

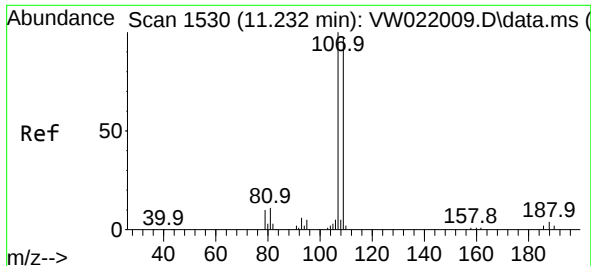
Tgt Ion: 43	Resp:	2791	
Ion	Ratio	Lower	Upper
43	100		
58	60.4	49.2	73.8
57	22.3	16.6	24.8
100	14.2	13.4	20.2



#49
Dibromochloromethane
Concen: 2.274 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion:129	Resp:	4138	
Ion	Ratio	Lower	Upper
129	100		
127	73.0	52.6	97.6





#50

1,2-Dibromoethane

Concen: 2.360 ug/L

RT: 11.238 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

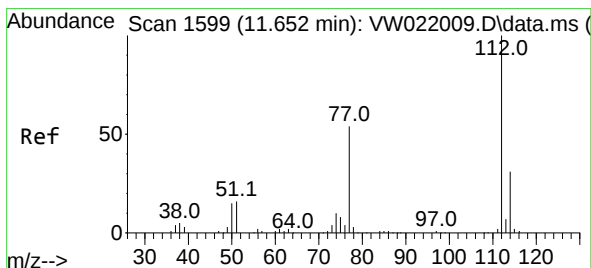
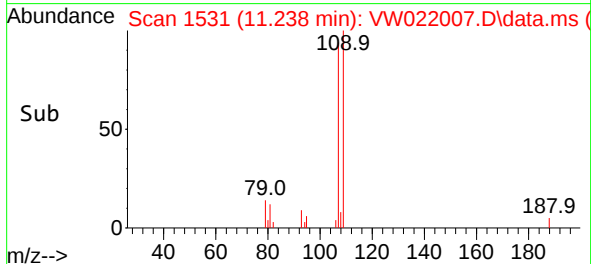
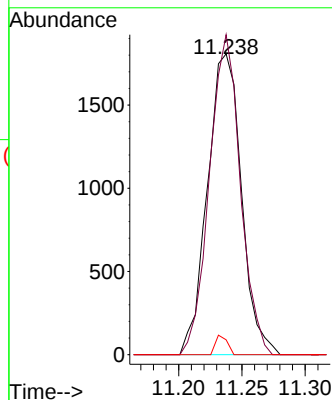
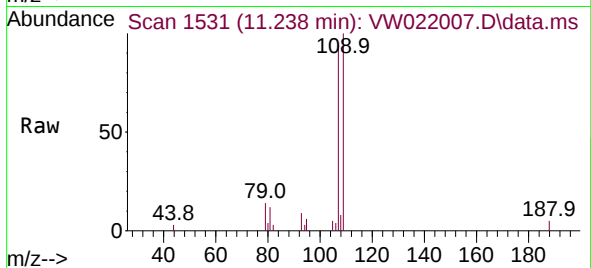
Tgt Ion:107 Resp: 3376

Ion Ratio Lower Upper

107 100

109 106.4 68.0 126.2

188 4.9 3.2 4.8#



#51

Chlorobenzene

Concen: 2.427 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

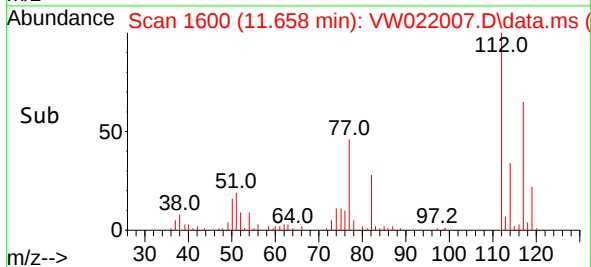
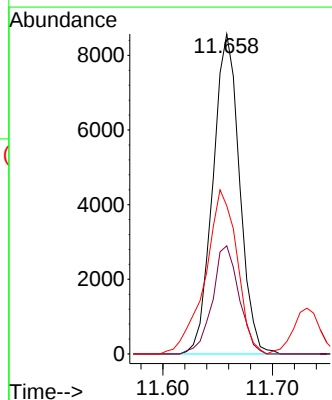
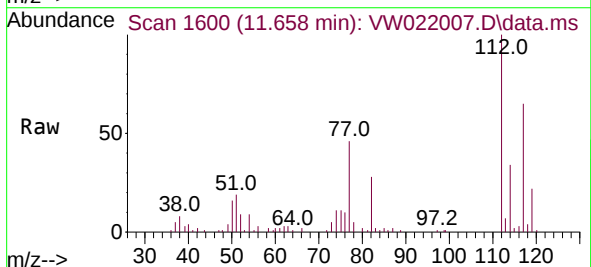
Tgt Ion:112 Resp: 14490

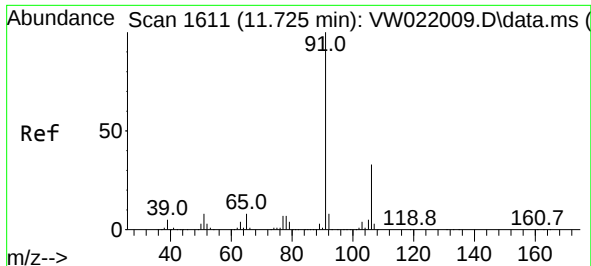
Ion Ratio Lower Upper

112 100

114 33.8 21.5 39.9

77 46.3 43.6 65.4





#52

Ethylbenzene

Concen: 2.337 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

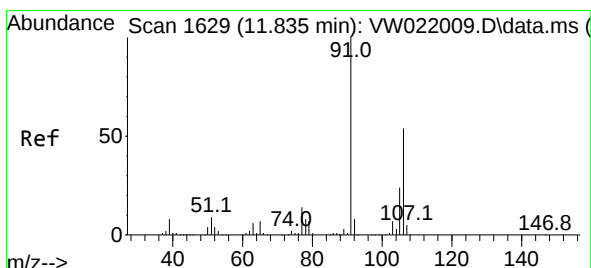
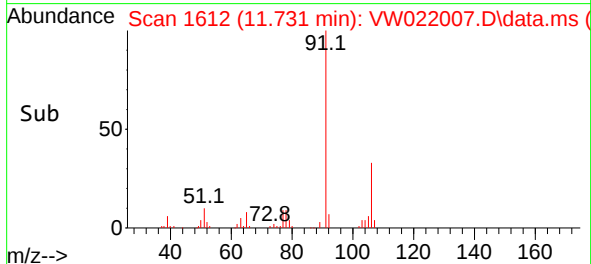
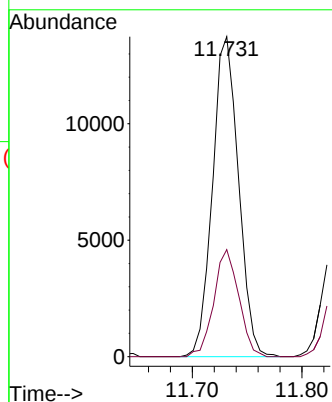
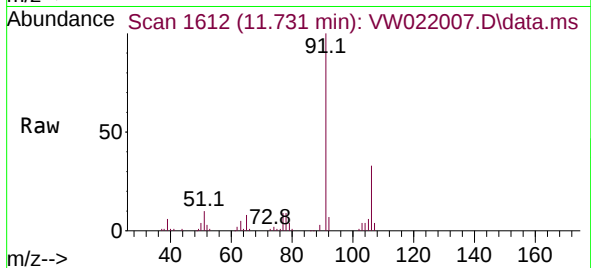
VSTD2.5450

Tgt Ion: 91 Resp: 22617

Ion Ratio Lower Upper

91 100

106 33.4 22.8 42.4



#53

m,p-Xylene

Concen: 2.288 ug/L

RT: 11.835 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VW022007.D

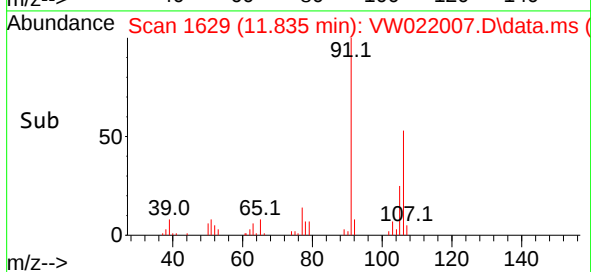
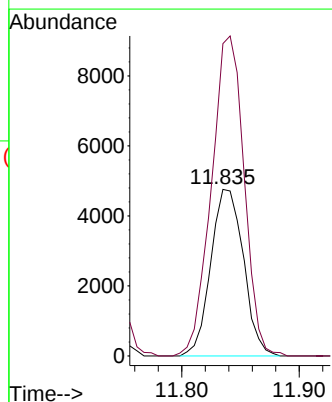
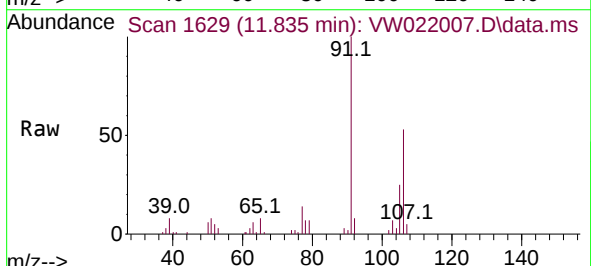
Acq: 01 Feb 2022 13:31

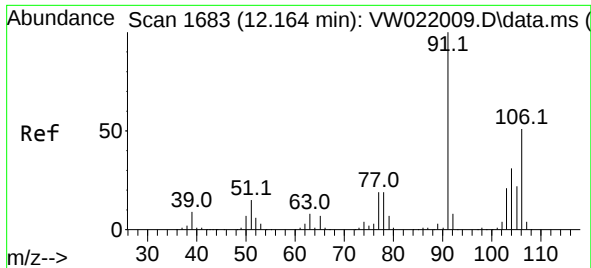
Tgt Ion: 106 Resp: 9190

Ion Ratio Lower Upper

106 100

91 187.4 129.6 240.8

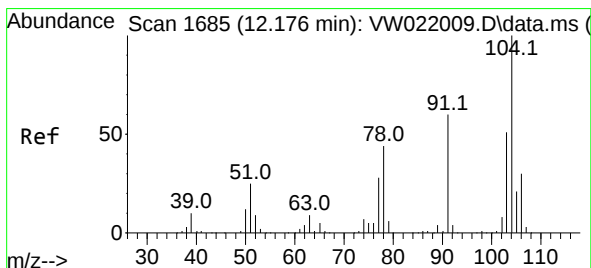
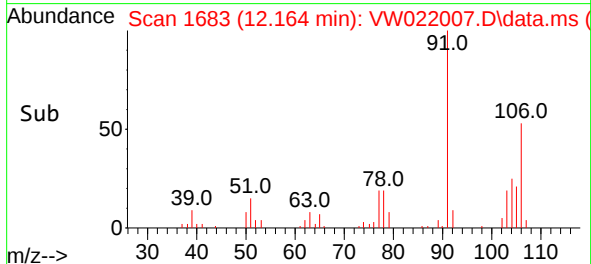
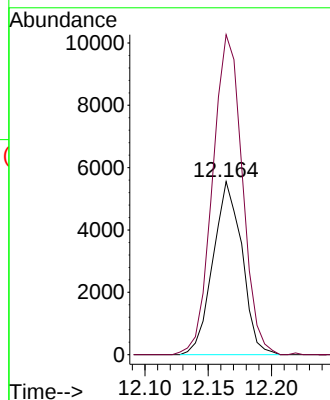
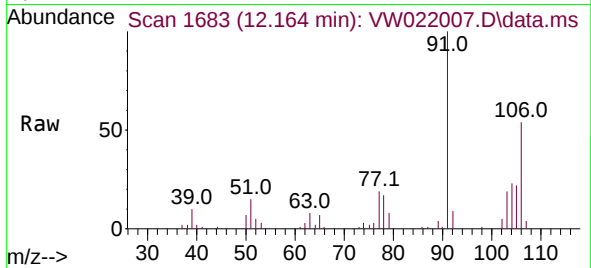




#54
o-Xylene
Concen: 2.355 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

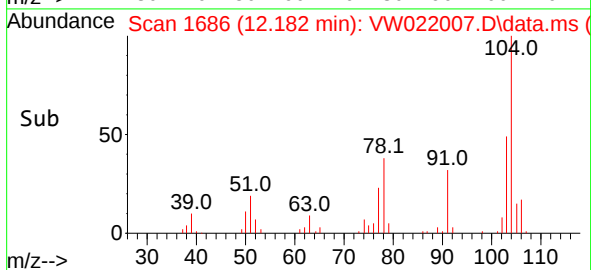
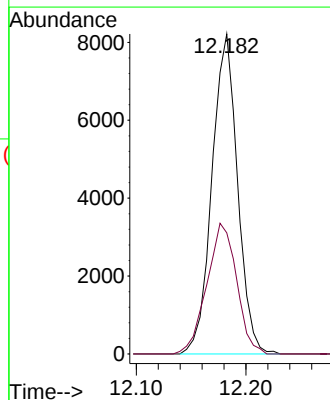
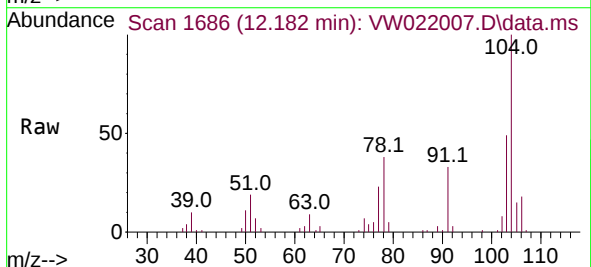
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

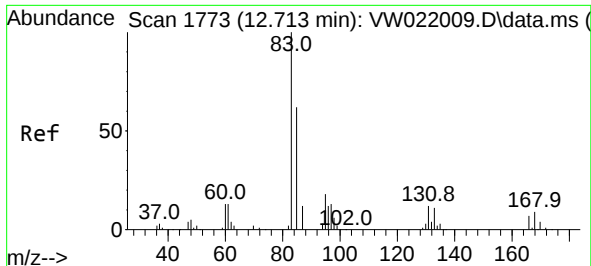
Tgt Ion:106 Resp: 8846
Ion Ratio Lower Upper
106 100
91 184.9 136.4 253.4



#55
Styrene
Concen: 2.197 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion:104 Resp: 13332
Ion Ratio Lower Upper
104 100
78 37.9 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 2.620 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

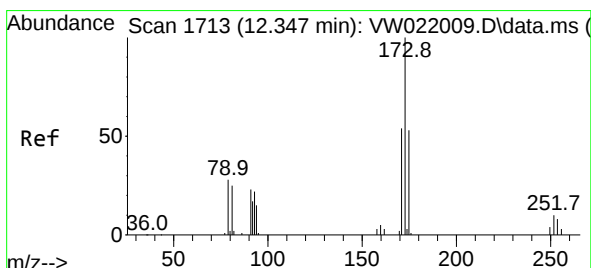
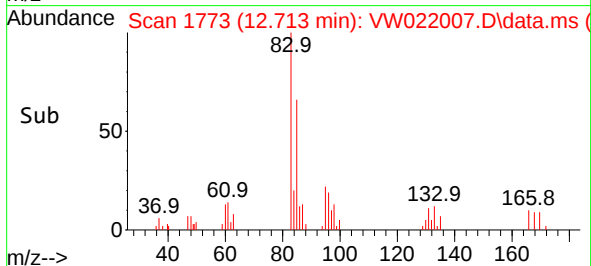
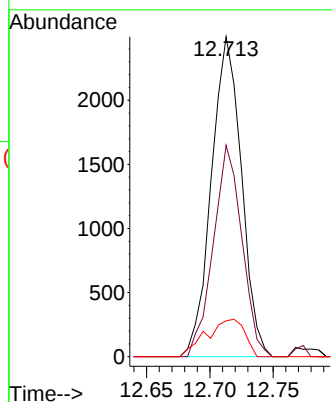
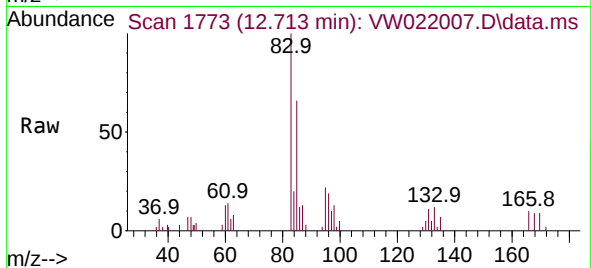
Tgt Ion: 83 Resp: 4120

Ion Ratio Lower Upper

83 100

85 66.1 43.8 81.3

131 11.2 9.8 14.8



#59

Bromoform

Concen: 2.196 ug/L

RT: 12.353 min Scan# 1714

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

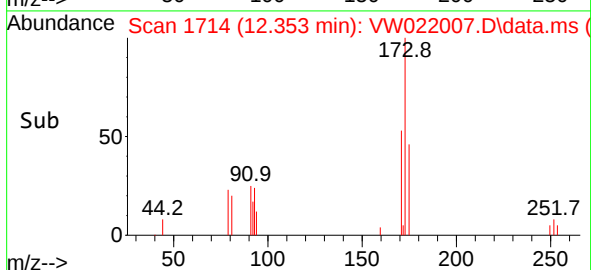
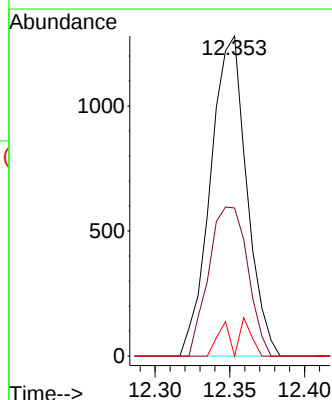
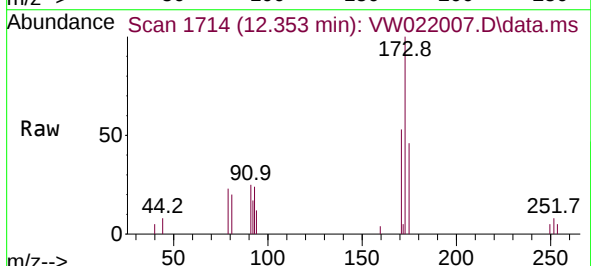
Tgt Ion: 173 Resp: 2157

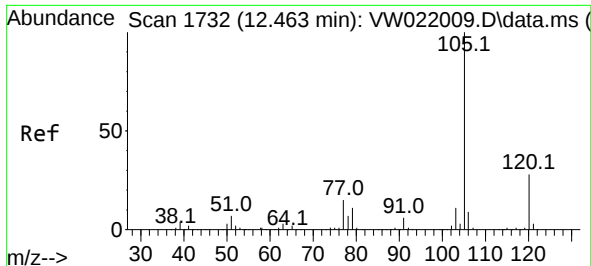
Ion Ratio Lower Upper

173 100

175 0.0 41.0 61.4#

254 3.8 3.4 5.2

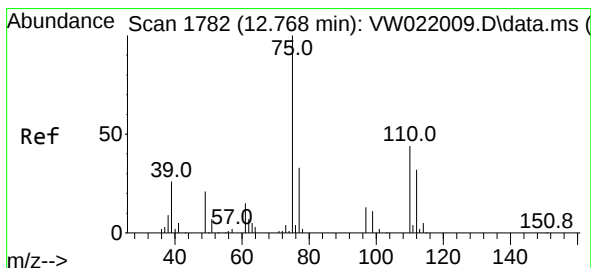
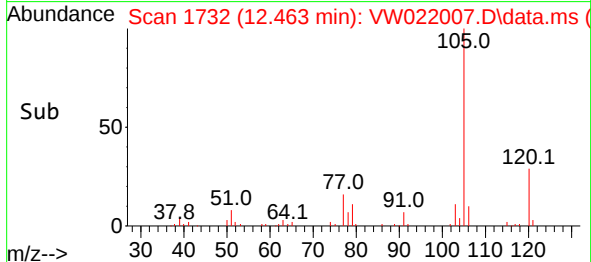
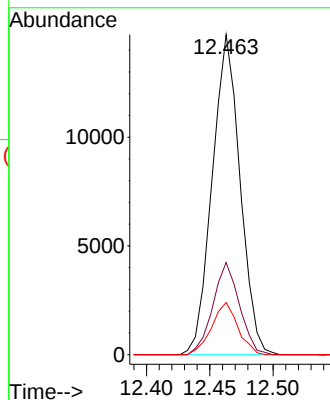
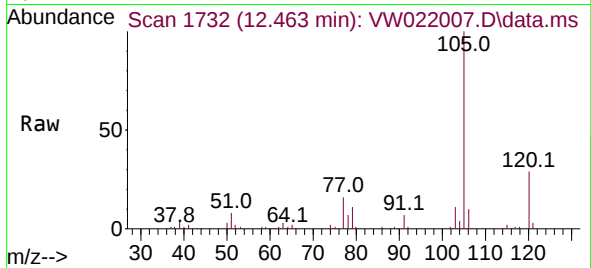




#60
Isopropylbenzene
Concen: 2.317 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

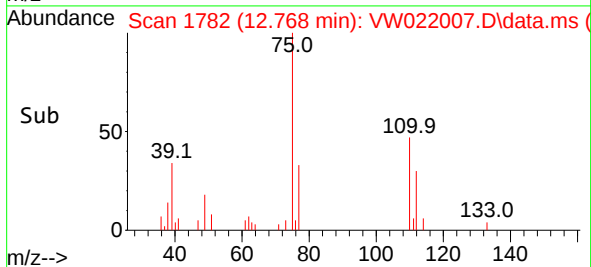
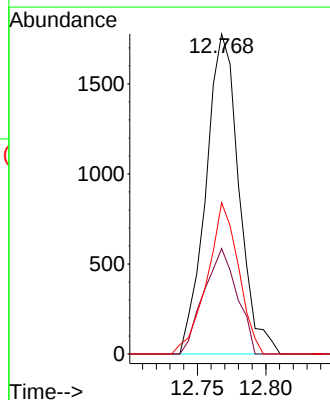
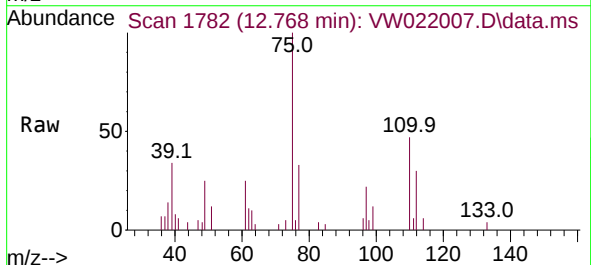
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

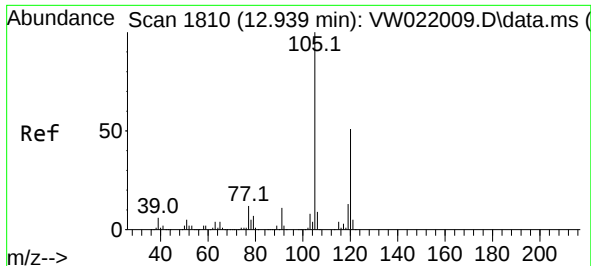
Tgt Ion:105 Resp: 22515
Ion Ratio Lower Upper
105 100
120 27.4 22.1 33.1
77 15.4 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 2.751 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion: 75 Resp: 2981
Ion Ratio Lower Upper
75 100
77 33.1 27.3 40.9
110 44.8 36.4 54.6

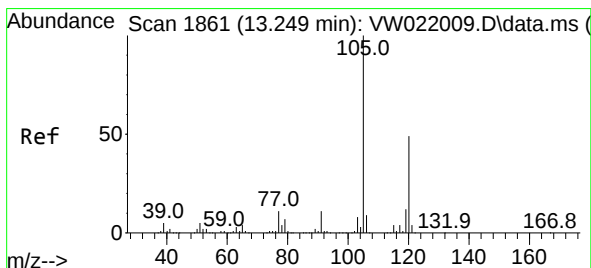
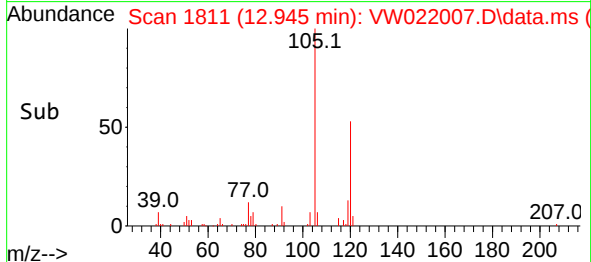
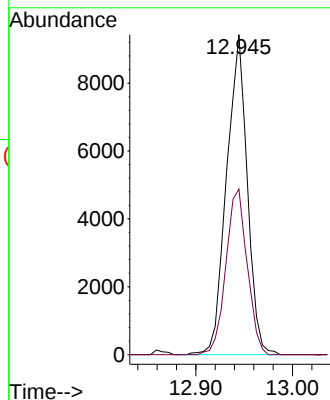
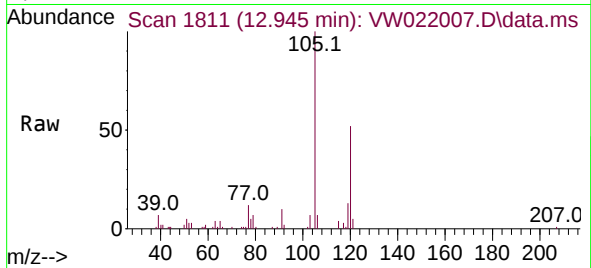




#62
1,3,5-Trimethylbenzene
Concen: 2.170 ug/L
RT: 12.945 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

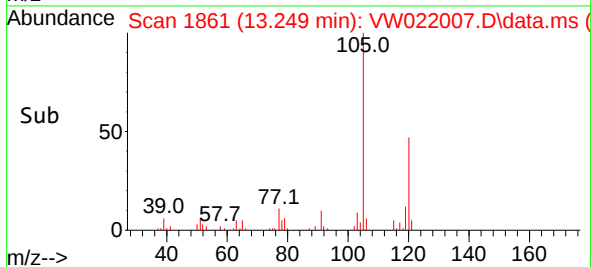
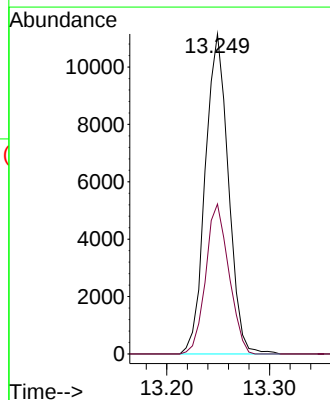
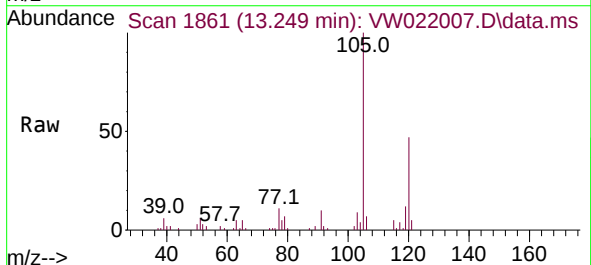
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

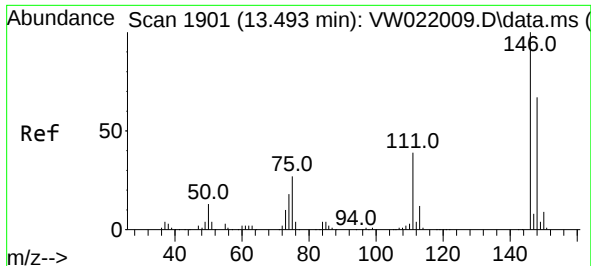
Tgt Ion:105 Resp: 13985
Ion Ratio Lower Upper
105 100
120 53.2 40.9 61.3



#63
1,2,4-Trimethylbenzene
Concen: 2.219 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion:105 Resp: 17426
Ion Ratio Lower Upper
105 100
120 46.8 37.8 56.8





#64

1,3-Dichlorobenzene

Concen: 2.473 ug/L

RT: 13.499 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

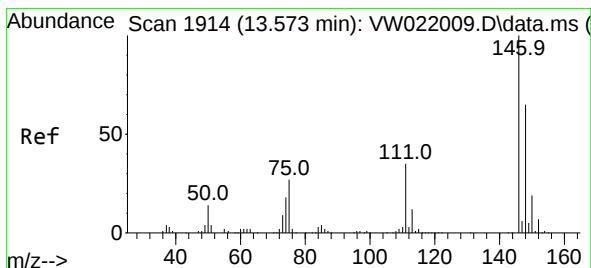
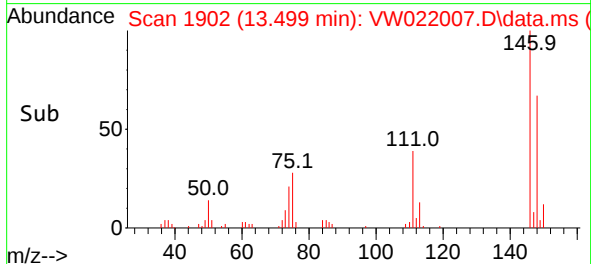
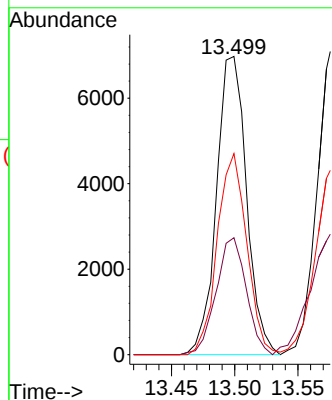
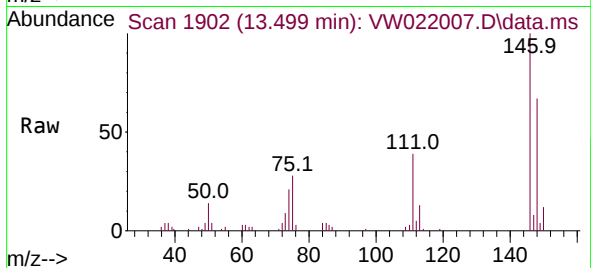
Tgt Ion:146 Resp: 11514

Ion Ratio Lower Upper

146 100

111 39.2 27.3 50.7

148 67.4 46.7 86.7



#65

1,4-Dichlorobenzene

Concen: 2.502 ug/L

RT: 13.579 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

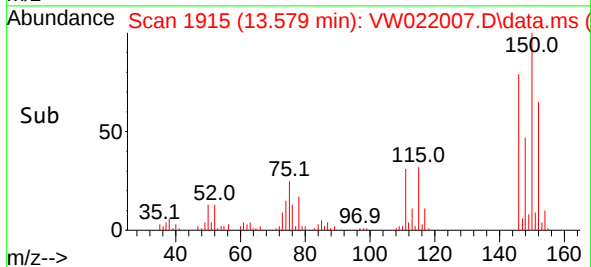
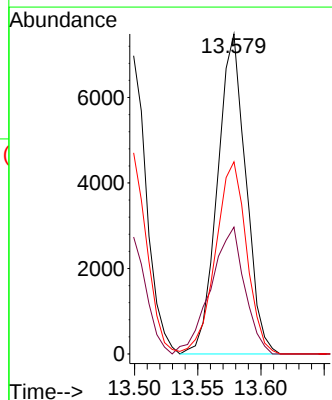
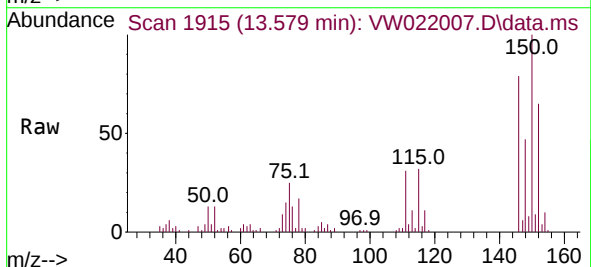
Tgt Ion:146 Resp: 11659

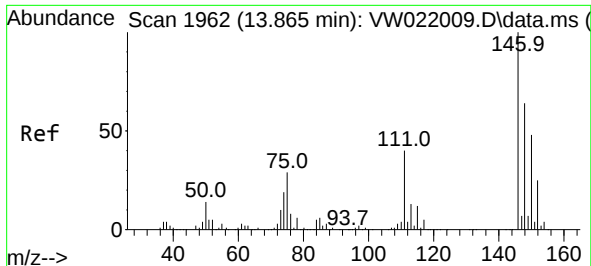
Ion Ratio Lower Upper

146 100

111 39.6 24.4 45.4

148 60.1 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 2.586 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

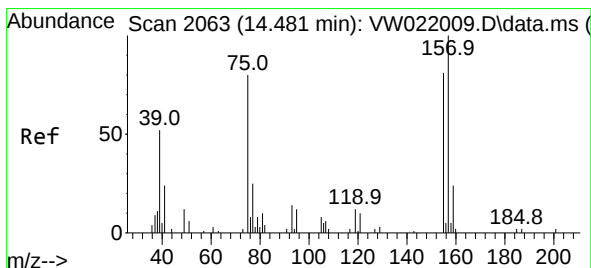
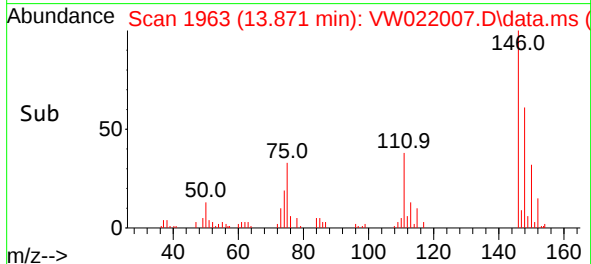
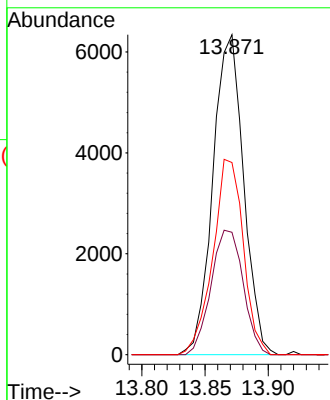
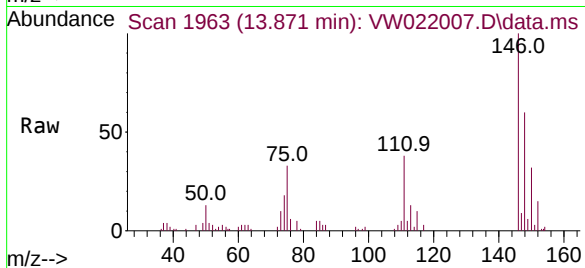
Tgt Ion:146 Resp: 10700

Ion Ratio Lower Upper

146 100

111 38.3 32.2 48.4

148 60.1 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.688 ug/L

RT: 14.621 min Scan# 2086

Delta R.T. 0.140 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

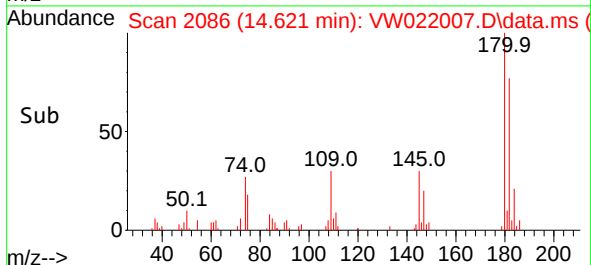
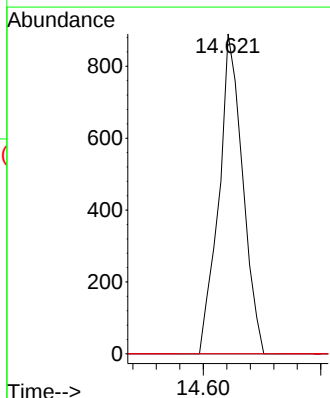
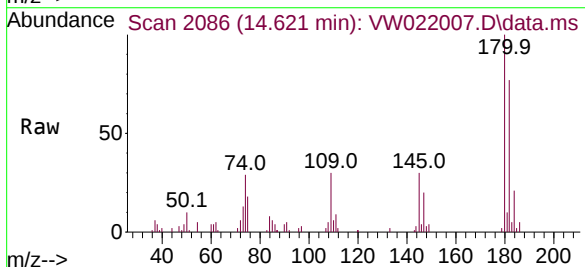
Tgt Ion: 75 Resp: 1254

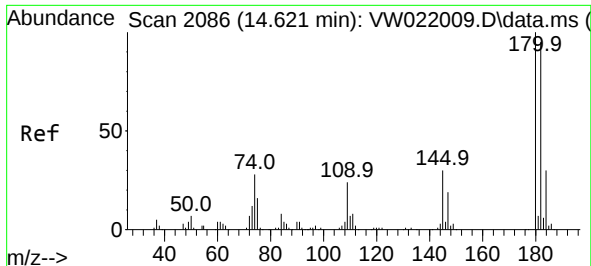
Ion Ratio Lower Upper

75 100

155 0.0 80.9 121.3#

157 0.0 100.3 150.5#





#69

1,3,5-Trichlorobenzene

Concen: 2.478 ug/L

RT: 14.627 min Scan# 2086

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.5450

Tgt Ion:180 Resp: 8295

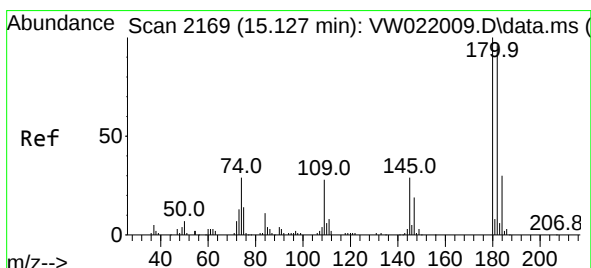
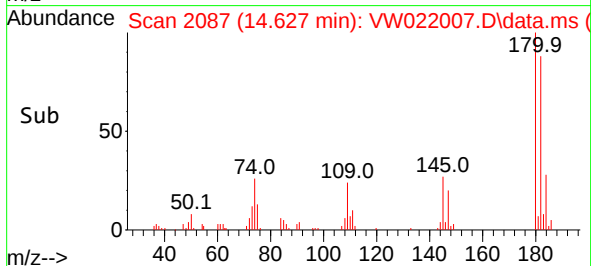
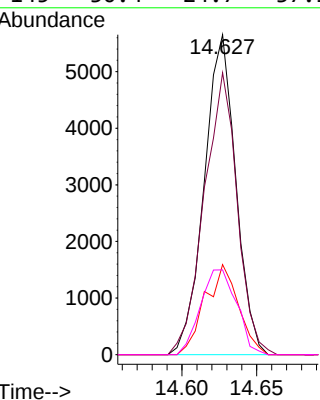
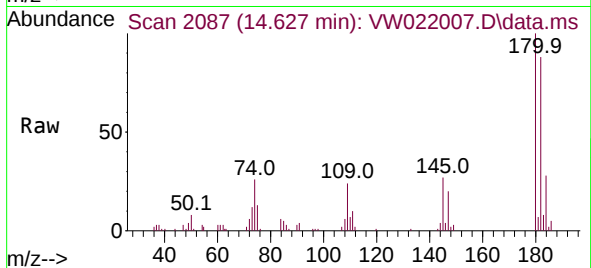
Ion Ratio Lower Upper

180 100

182 91.8 77.4 116.2

184 29.8 25.2 37.8

145 30.4 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 2.327 ug/L

RT: 15.133 min Scan# 2170

Delta R.T. 0.006 min

Lab File: VW022007.D

Acq: 01 Feb 2022 13:31

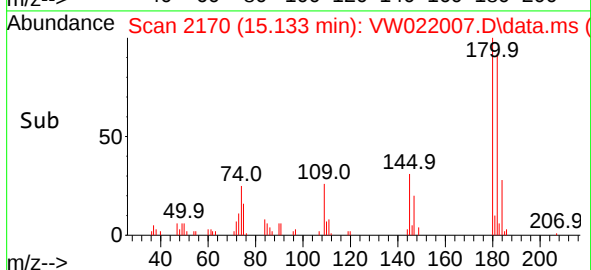
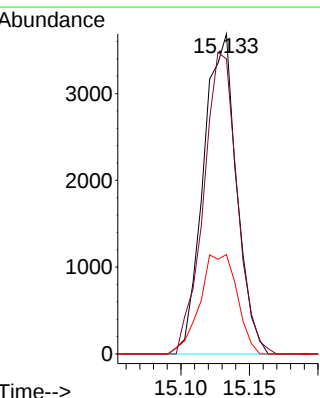
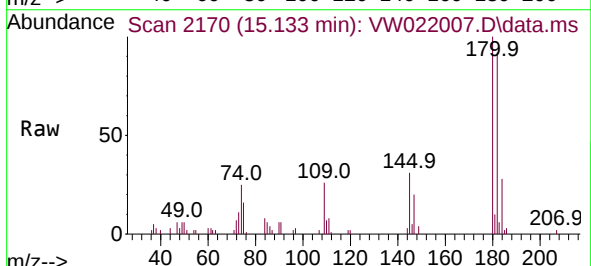
Tgt Ion:180 Resp: 6188

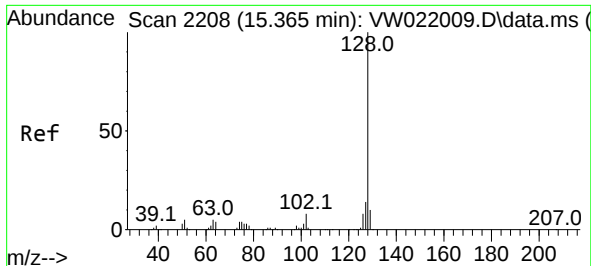
Ion Ratio Lower Upper

180 100

182 95.7 74.6 111.8

145 34.9 25.0 37.6

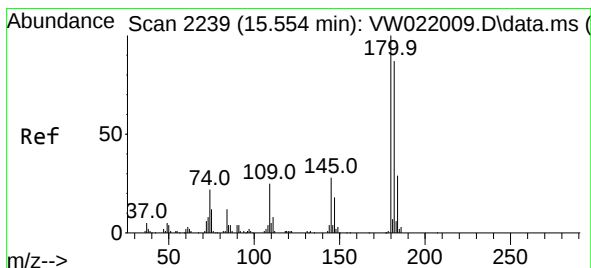
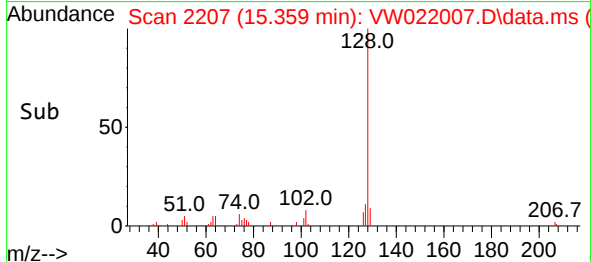
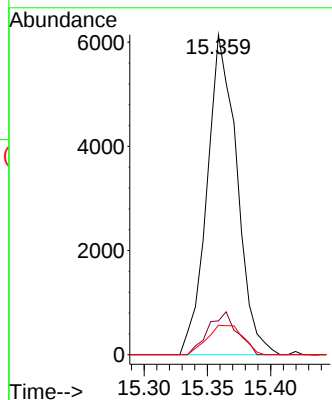
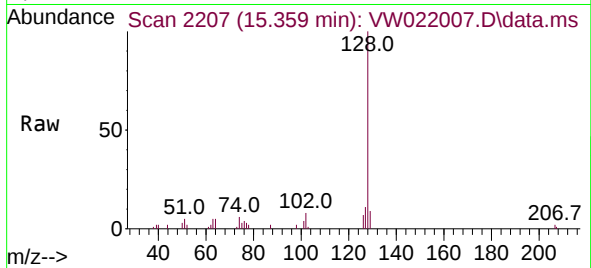




#71
Naphthalene
Concen: 2.329 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.5450

Tgt Ion:	128	Resp:	10102
Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	10.9	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.512 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VW022007.D
Acq: 01 Feb 2022 13:31

Tgt Ion:	180	Resp:	5709
Ion	Ratio	Lower	Upper
180	100		
182	94.3	78.6	118.0
145	32.3	27.3	40.9

