

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020122\
 Data File : VW022011.D
 Acq On : 01 Feb 2022 16:28
 Operator : SY/VA
 Sample : VSTD10054
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100454

Quant Time: Feb 02 00:25:48 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	8.842	114	176896	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	158261	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	85720	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	212326	99.647	ug/L	0.00
7) Chloroethane-d5	2.879	69	177721	108.339	ug/L	0.00
11) 1,1-Dichloroethene-d2	4.019	63	376126	99.910	ug/L	0.00
21) 2-Butanone-d5	7.086	46	74430	198.936	ug/L	0.00
24) Chloroform-d	7.647	84	417572	101.461	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.305	65	197760	96.581	ug/L	0.00
32) Benzene-d6	8.275	84	819765	102.501	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.274	67	217497	99.981	ug/L	0.00
41) Toluene-d8	10.323	98	811924	102.434	ug/L	0.00
43) trans-1,3-Dichloroprop...	10.579	79	105865	111.116	ug/L	0.00
47) 2-Hexanone-d5	10.920	63	71432	225.857	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	12.688	84	169310	95.427	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	13.853	152	303742	98.225	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.007	85	58234	139.065	ug/L	96
3) Chloromethane	2.215	50	182946	98.408	ug/L	98
5) Vinyl chloride	2.361	62	260008	97.378	ug/L	98
6) Bromomethane	2.776	94	248489	109.443	ug/L	96
8) Chloroethane	2.916	64	139805	101.894	ug/L	97
9) Trichlorofluoromethane	3.263	101	190205	94.361	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	216364	101.309	ug/L	98
12) 1,1-Dichloroethene	4.044	96	201562	102.268	ug/L	86
13) Acetone	4.135	43	73122	206.290	ug/L	67
14) Carbon disulfide	4.385	76	609052	105.941	ug/L	100
15) Methyl Acetate	4.678	43	62495	96.824	ug/L	# 87
16) Methylene chloride	4.915	84	196675	95.415	ug/L	98
17) trans-1,2-Dichloroethene	5.428	96	224950	102.354	ug/L	97
18) Methyl tert-butyl Ether	5.428	73	282670	100.304	ug/L	98
19) 1,1-Dichloroethane	6.220	63	343506	100.877	ug/L	96
20) cis-1,2-Dichloroethene	7.171	96	237535	105.320	ug/L	96
22) 2-Butanone	7.177	43	95304	208.792	ug/L	100
23) Bromochloromethane	7.519	128	115272	103.797	ug/L	92
25) Chloroform	7.677	83	382897	99.341	ug/L	96
27) 1,2-Dichloroethane	8.403	62	228975	100.748	ug/L	99
29) Cyclohexane	7.958	56	328027	105.589	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	361491	103.213	ug/L	99
31) Carbon tetrachloride	8.073	117	358572	104.597	ug/L	97
33) Benzene	8.323	78	829942	100.021	ug/L	100
34) Trichloroethene	9.091	95	237524	100.681	ug/L	97
35) Methylcyclohexane	9.335	83	415809	104.471	ug/L	98
37) 1,2-Dichloropropane	9.372	63	184982	101.502	ug/L	99
38) Bromodichloromethane	9.646	83	283326	108.861	ug/L	100
39) cis-1,3-Dichloropropene	10.073	75	326653	111.751	ug/L	99
40) 4-Methyl-2-pentanone	10.207	43	190766	213.347	ug/L	99
42) Toluene	10.390	91	974988	103.659	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	285164	113.167	ug/L	99

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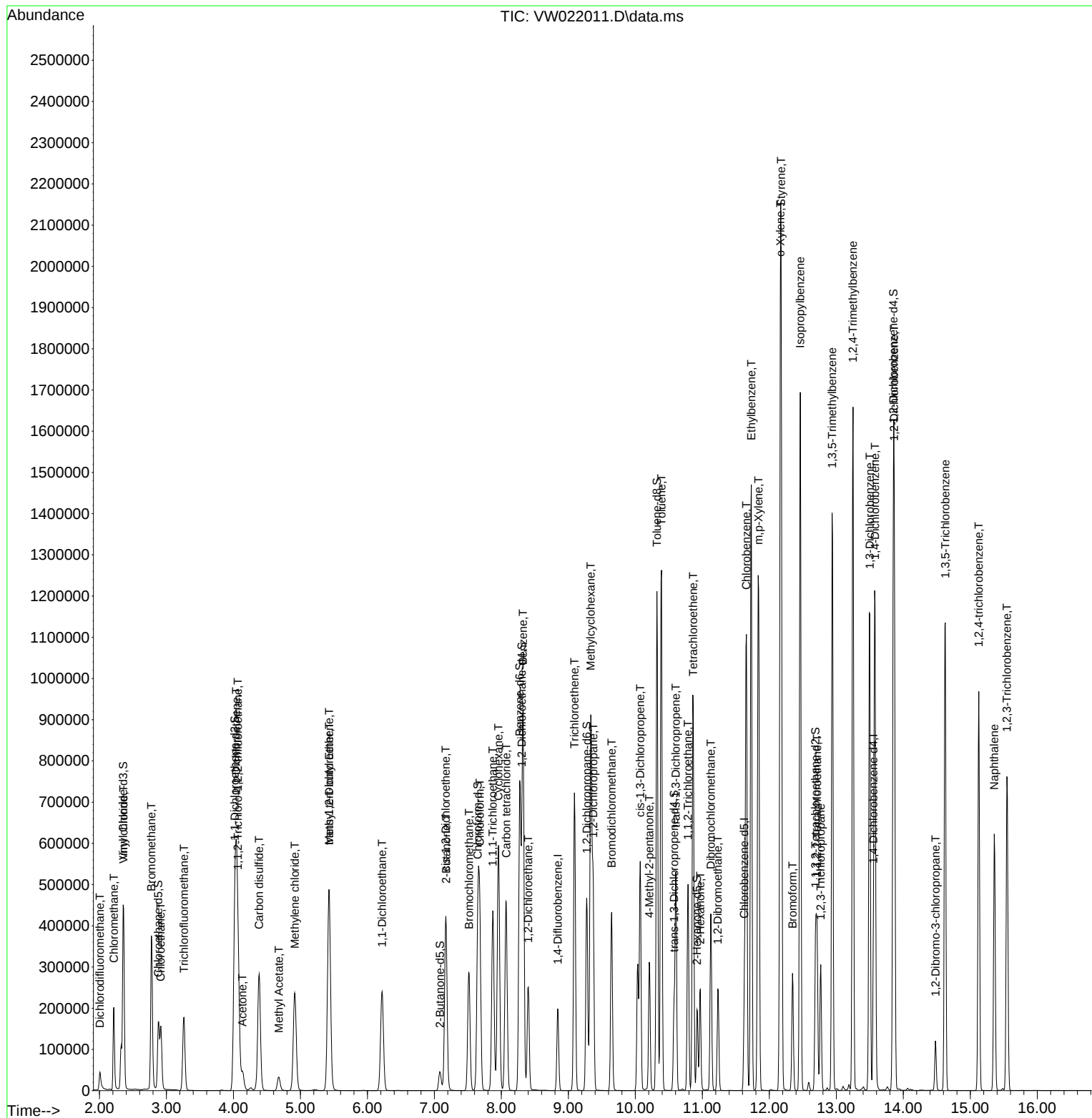
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	10.786	97	157871	101.918	ug/L	99
46) Tetrachloroethene	10.866	164	223104	101.456	ug/L	94
48) 2-Hexanone	10.969	43	146920	220.840	ug/L	99
49) Dibromochloromethane	11.128	129	219181	112.366	ug/L	98
50) 1,2-Dibromoethane	11.231	107	162266	105.805	ug/L	91
51) Chlorobenzene	11.658	112	657971	102.787	ug/L	95
52) Ethylbenzene	11.731	91	1077793	103.855	ug/L	98
53) m,p-Xylene	11.841	106	447881	104.019	ug/L	99
54) o-Xylene	12.164	106	418503	103.903	ug/L	95
55) Styrene	12.176	104	706490	108.589	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	165574	98.202	ug/L	99
59) Bromoform	12.347	173	135206	119.428	ug/L #	94
60) Isopropylbenzene	12.463	105	1138216	101.631	ug/L	98
61) 1,2,3-Trichloropropane	12.768	75	118073	94.551	ug/L	98
62) 1,3,5-Trimethylbenzene	12.938	105	775024	104.343	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	922943	101.988	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	534267	99.568	ug/L	98
65) 1,4-Dichlorobenzene	13.578	146	525337	97.807	ug/L	98
67) 1,2-Dichlorobenzene	13.865	146	457655	95.963	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.481	75	26297	103.506	ug/L	97
69) 1,3,5-Trichlorobenzene	14.627	180	395088	102.411	ug/L	97
70) 1,2,4-trichlorobenzene	15.127	180	329525	107.535	ug/L	99
71) Naphthalene	15.359	128	567798	113.570	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	284196	108.507	ug/L	97

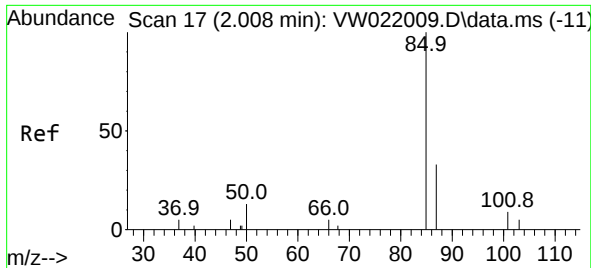
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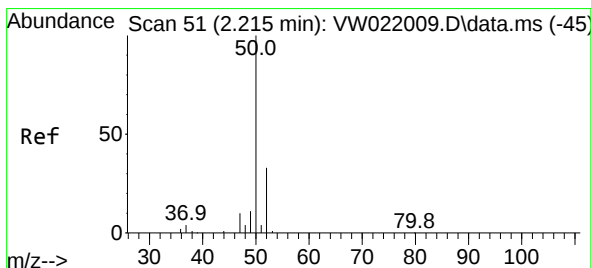
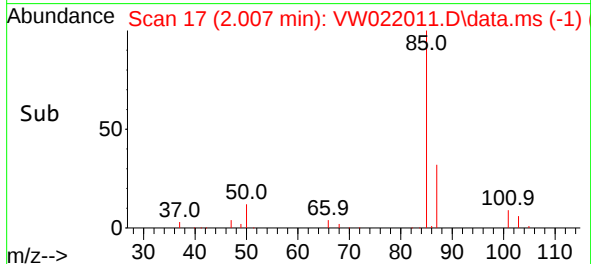
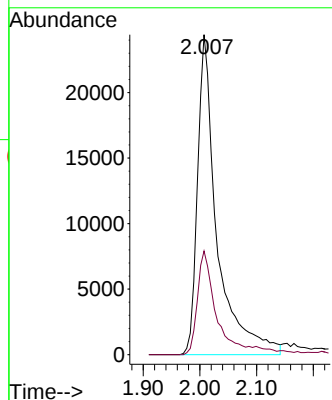
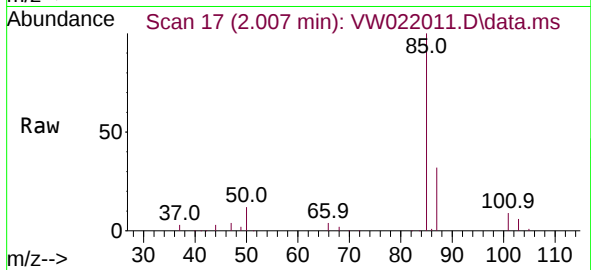




#2
 Dichlorodifluoromethane
 Concen: 139.065 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW022011.D
 Acq: 01 Feb 2022 16:28

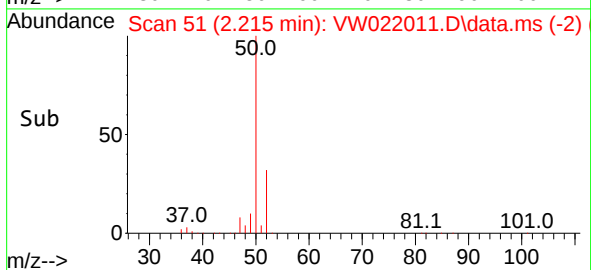
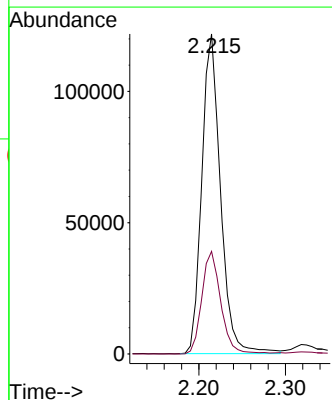
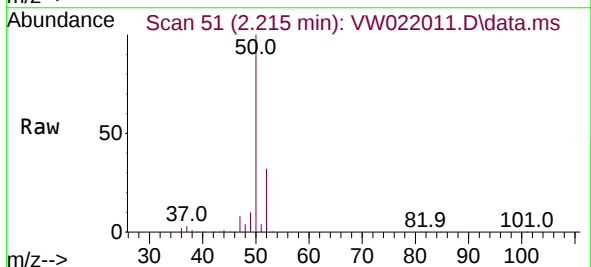
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100454

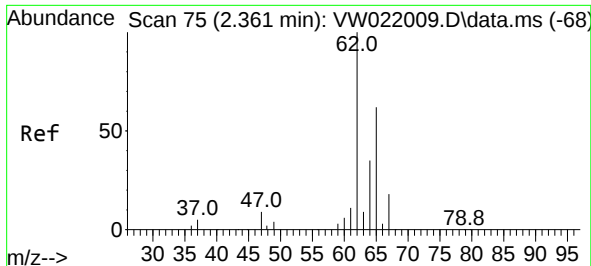
Tgt Ion: 85 Resp: 58234
 Ion Ratio Lower Upper
 85 100
 87 30.7 26.2 39.4



#3
 Chloromethane
 Concen: 98.408 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VW022011.D
 Acq: 01 Feb 2022 16:28

Tgt Ion: 50 Resp: 182946
 Ion Ratio Lower Upper
 50 100
 52 32.1 23.3 43.3

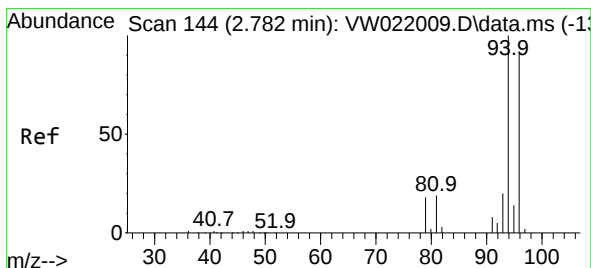
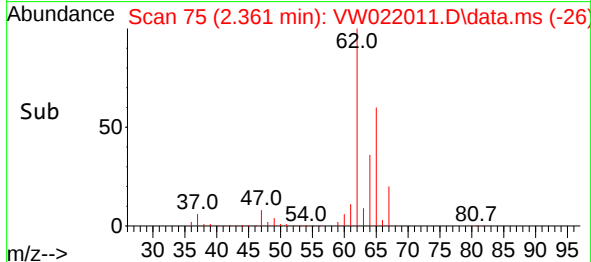
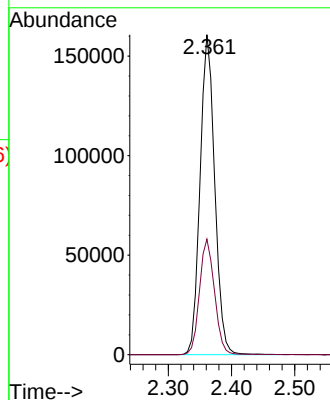
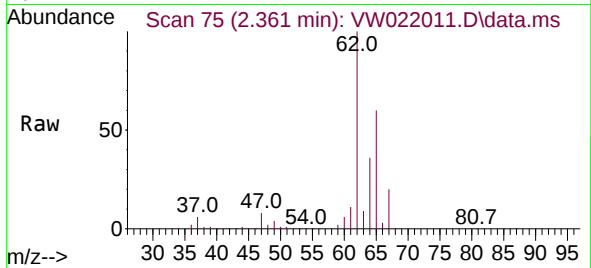




#5
 Vinyl chloride
 Concen: 97.378 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VW022011.D
 Acq: 01 Feb 2022 16:28

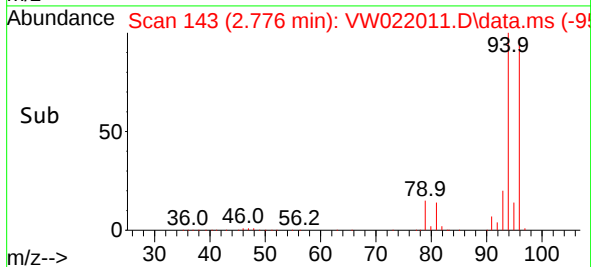
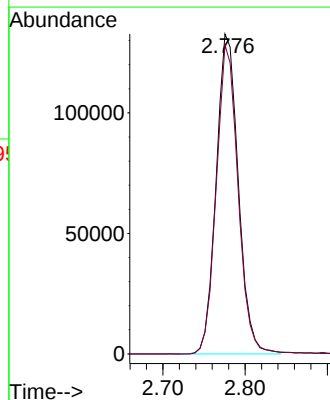
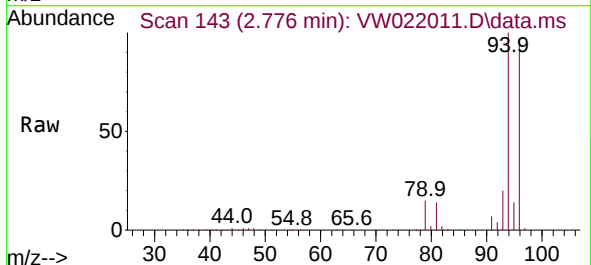
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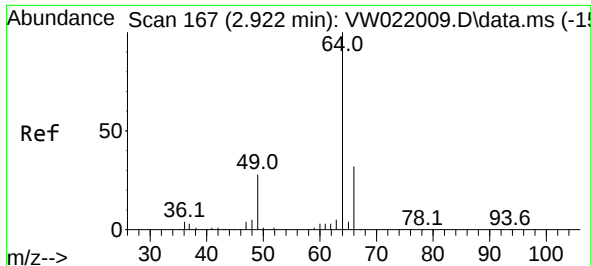
Tgt Ion: 62 Resp: 260008
 Ion Ratio Lower Upper
 62 100
 64 36.1 24.6 45.6



#6
 Bromomethane
 Concen: 109.443 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. -0.006 min
 Lab File: VW022011.D
 Acq: 01 Feb 2022 16:28

Tgt Ion: 94 Resp: 248489
 Ion Ratio Lower Upper
 94 100
 96 96.6 64.6 120.0





#8

Chloroethane

Concen: 101.894 ug/L

RT: 2.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

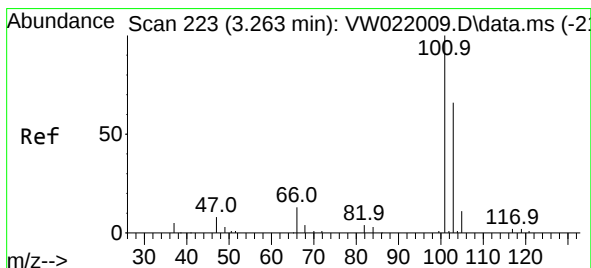
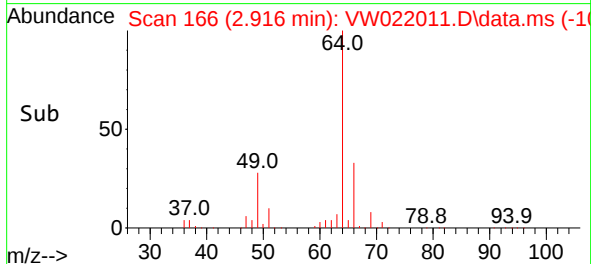
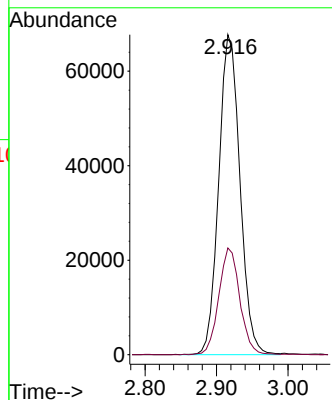
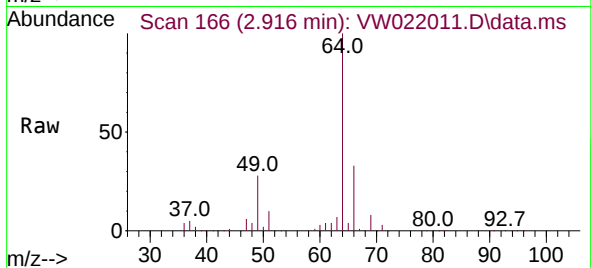
VSTD100454

Tgt Ion: 64 Resp: 139805

Ion Ratio Lower Upper

64 100

66 33.3 22.3 41.5



#9

Trichlorofluoromethane

Concen: 94.361 ug/L

RT: 3.263 min Scan# 223

Delta R.T. -0.000 min

Lab File: VW022011.D

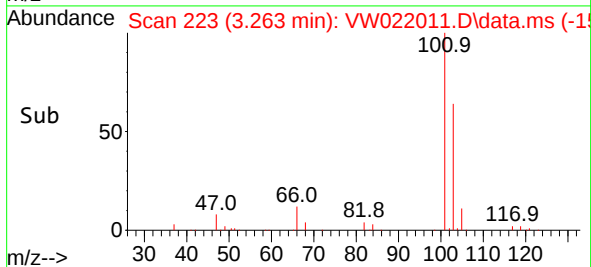
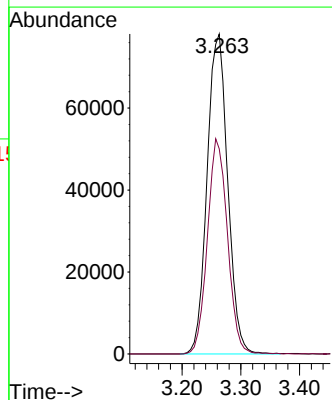
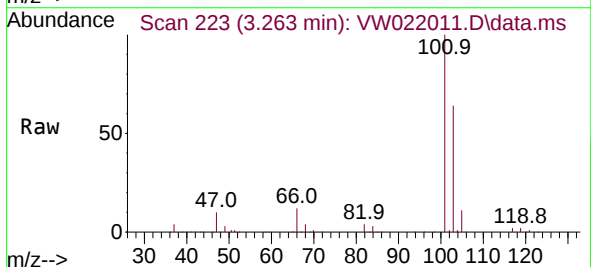
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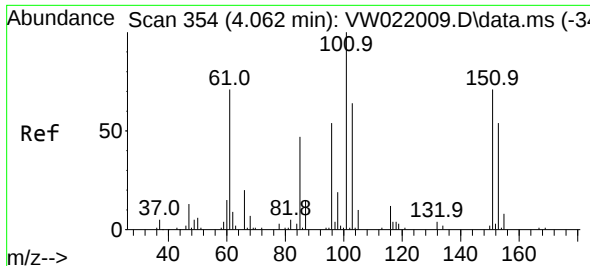
Tgt Ion:101 Resp: 190205

Ion Ratio Lower Upper

101 100

103 65.2 52.9 79.3

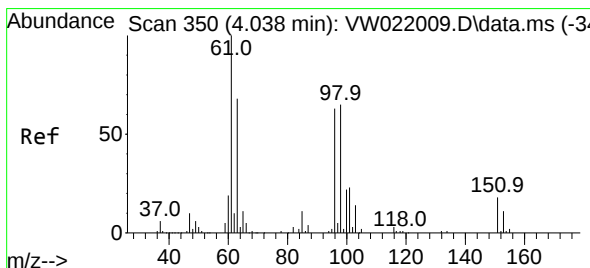
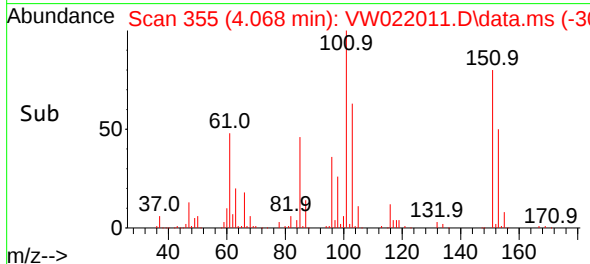
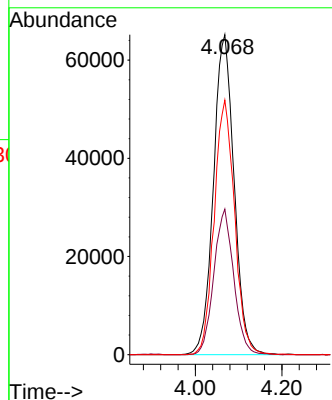
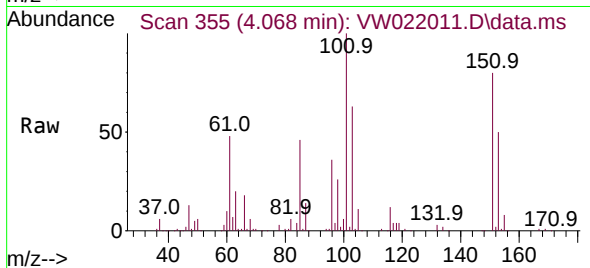




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 101.309 ug/L
RT: 4.068 min Scan# 310
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

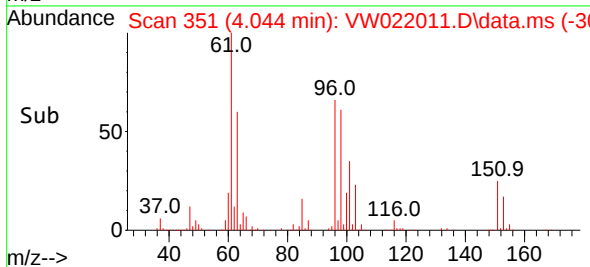
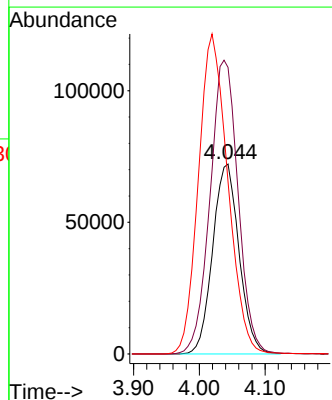
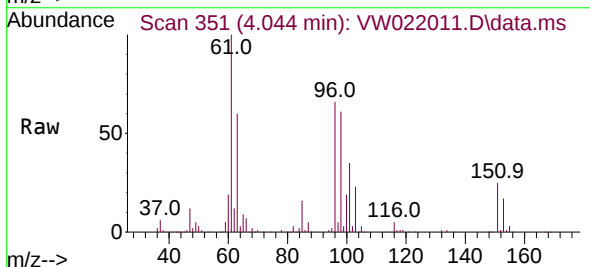
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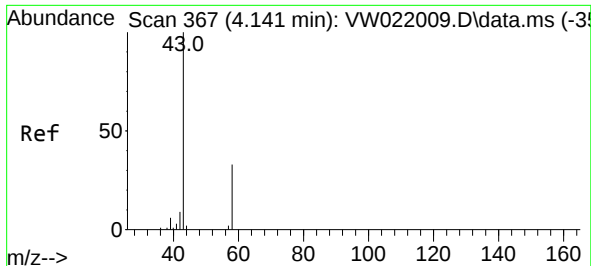
Tgt Ion:101 Resp: 216364
Ion Ratio Lower Upper
101 100
85 43.9 36.8 55.2
151 78.6 64.1 96.1



#12
1,1-Dichloroethene
Concen: 102.268 ug/L
RT: 4.044 min Scan# 351
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 96 Resp: 201562
Ion Ratio Lower Upper
96 100
61 150.9 111.5 207.1
63 90.7 83.1 154.3

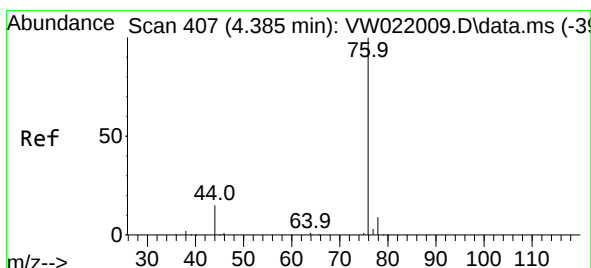
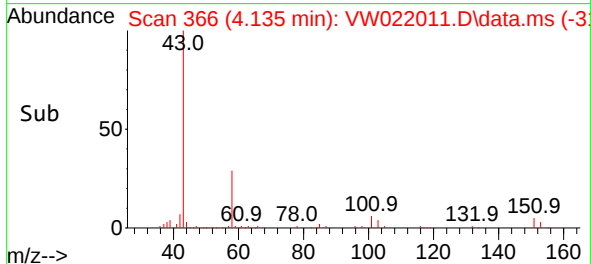
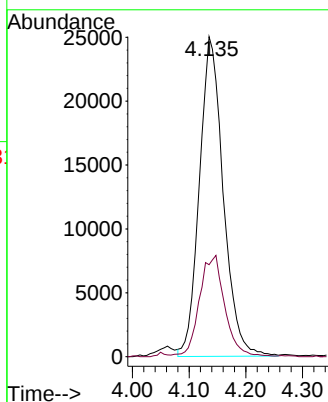
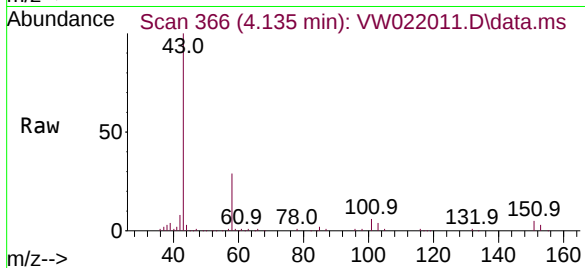




#13
Acetone
Concen: 206.290 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

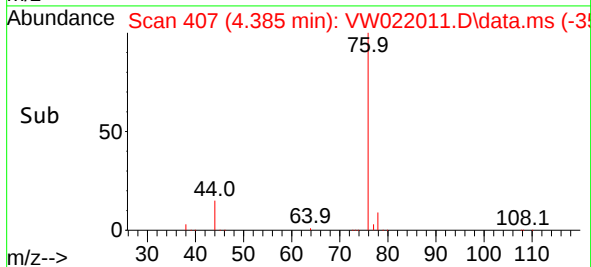
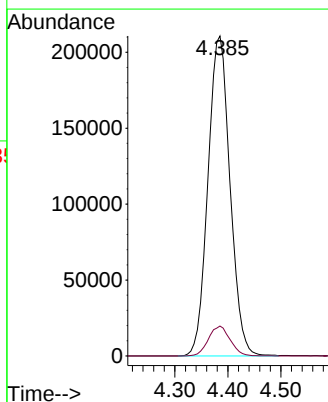
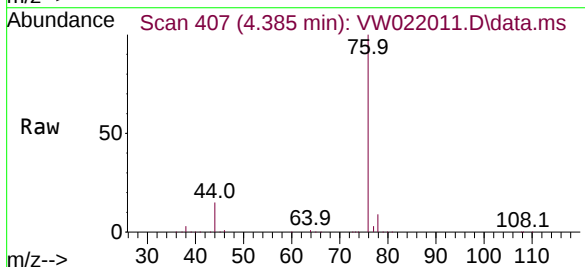
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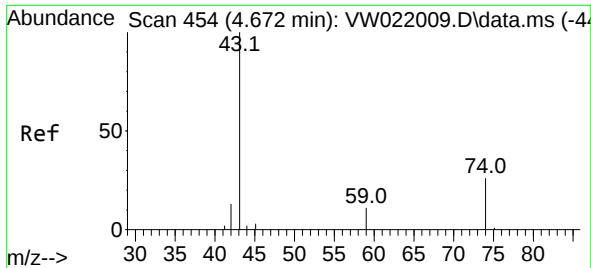
Tgt Ion: 43 Resp: 73122
Ion Ratio Lower Upper
43 100
58 14.3 0.0 66.0



#14
Carbon disulfide
Concen: 105.941 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 76 Resp: 609052
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

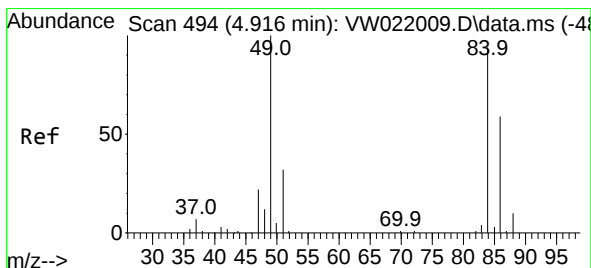
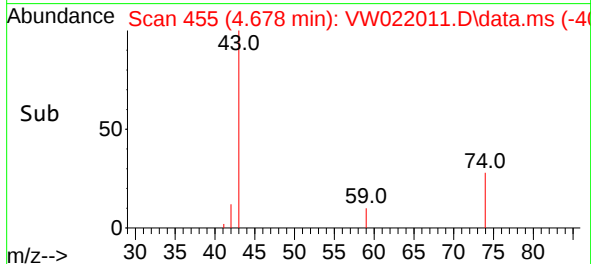
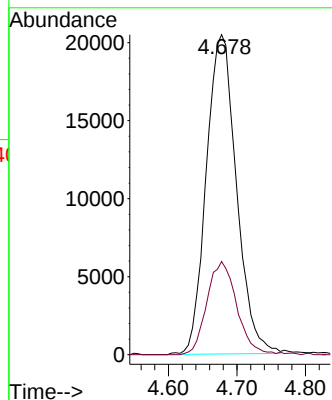
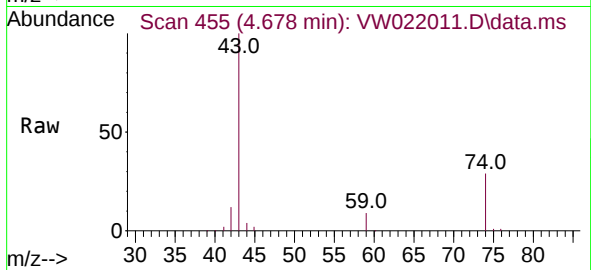




#15
Methyl Acetate
Concen: 96.824 ug/L
RT: 4.678 min Scan# 415
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

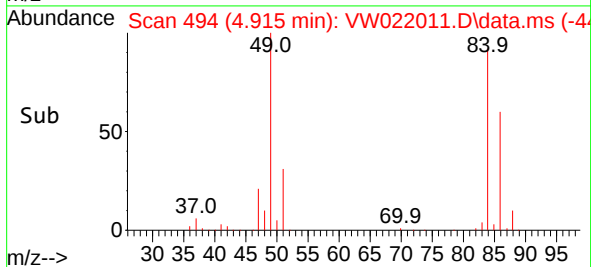
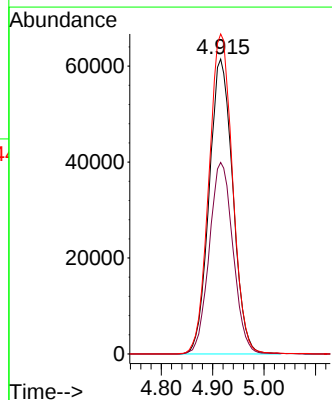
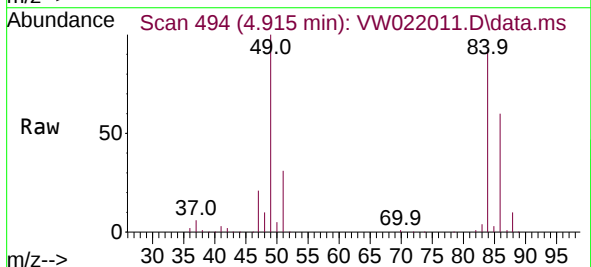
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

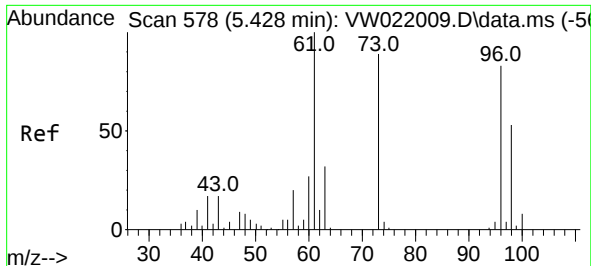
Tgt Ion: 43 Resp: 62495
Ion Ratio Lower Upper
43 100
74 28.8 18.0 27.0#



#16
Methylene chloride
Concen: 95.415 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 84 Resp: 196675
Ion Ratio Lower Upper
84 100
86 64.9 44.1 81.9
49 108.5 74.7 138.7





#17

trans-1,2-Dichloroethene

Concen: 102.354 ug/L

RT: 5.428 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD100454

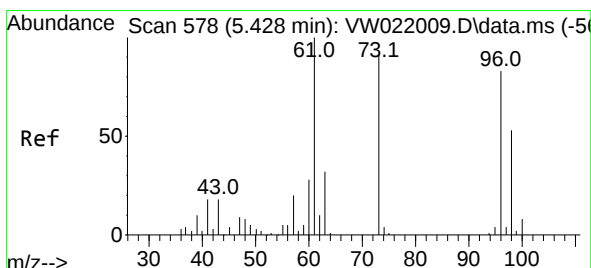
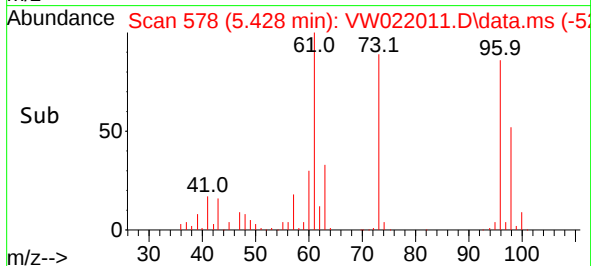
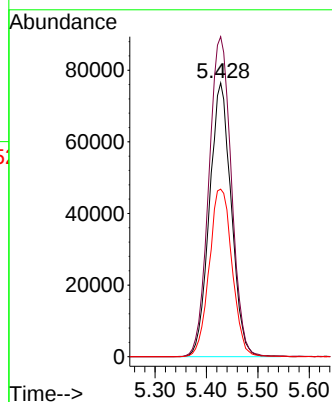
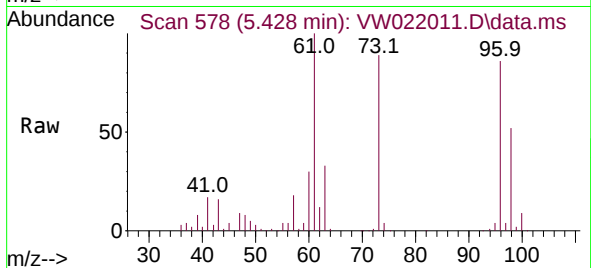
Tgt Ion: 96 Resp: 224950

Ion Ratio Lower Upper

96 100

61 116.9 84.3 156.5

98 61.2 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 100.304 ug/L

RT: 5.428 min Scan# 578

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

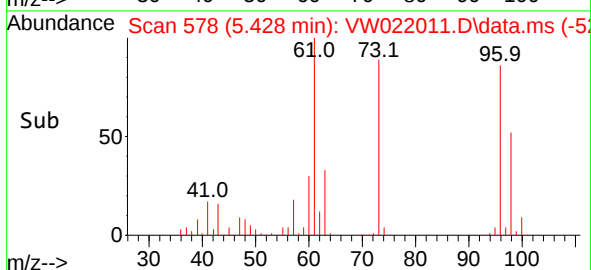
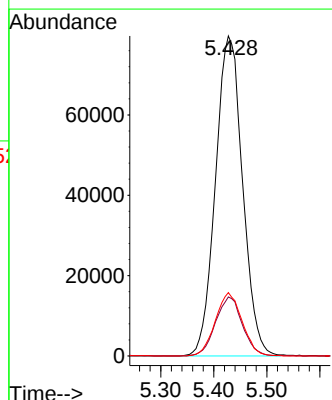
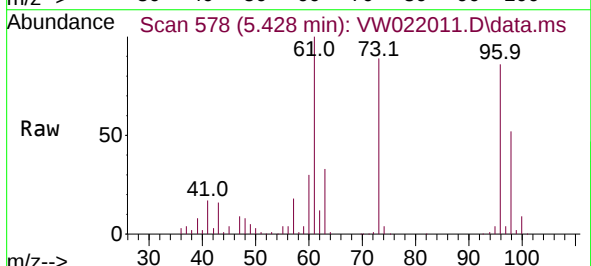
Tgt Ion: 73 Resp: 282670

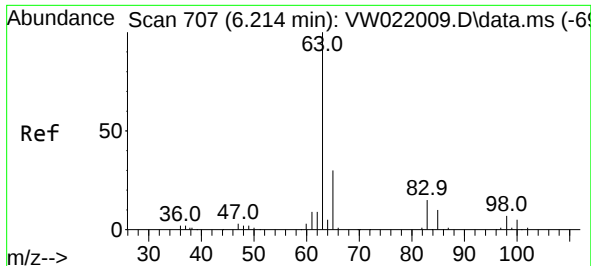
Ion Ratio Lower Upper

73 100

43 18.3 15.3 22.9

57 19.5 16.3 24.5

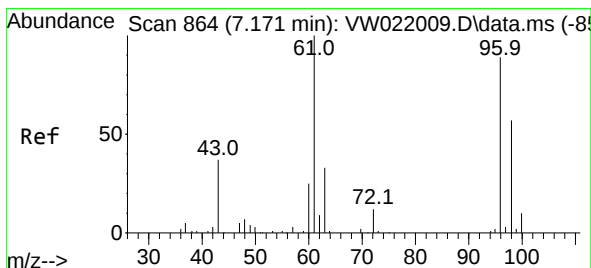
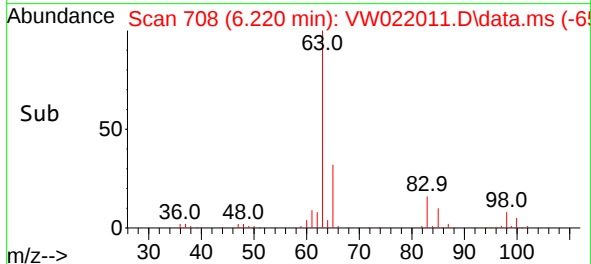
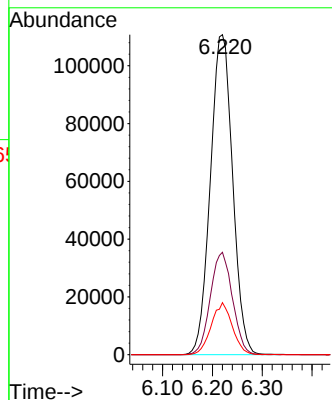
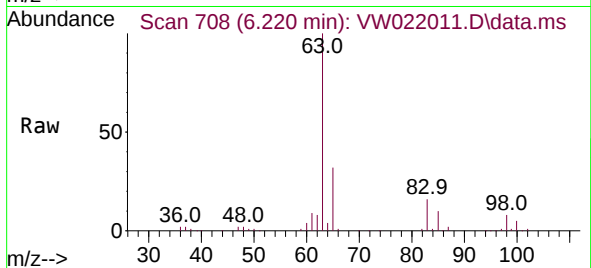




#19
1,1-Dichloroethane
Concen: 100.877 ug/L
RT: 6.220 min Scan# 707
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

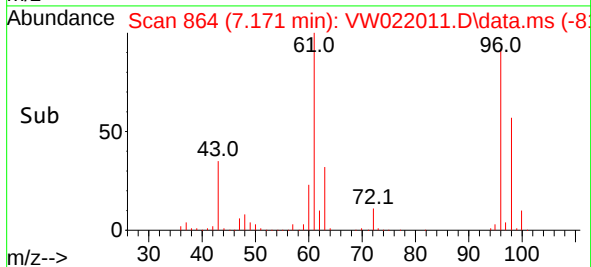
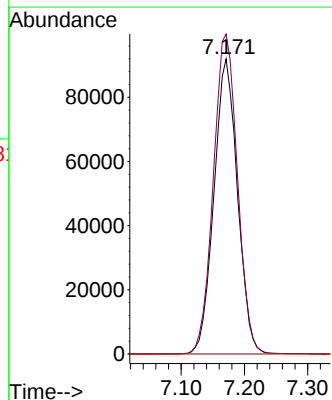
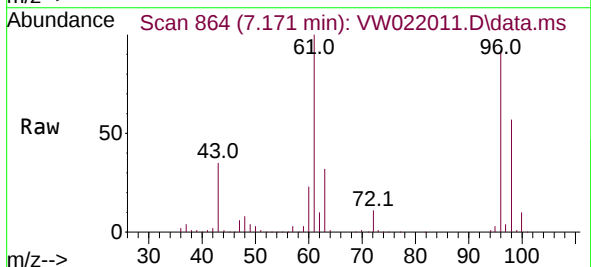
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

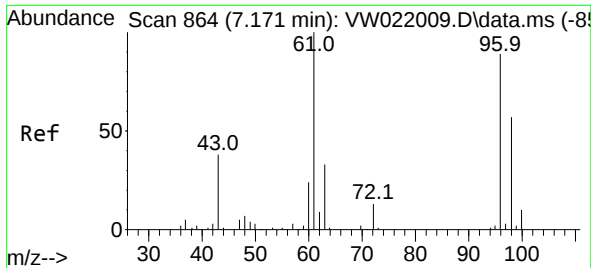
Tgt Ion: 63 Resp: 343506
Ion Ratio Lower Upper
63 100
65 32.0 20.9 38.7
83 16.3 10.2 19.0



#20
cis-1,2-Dichloroethene
Concen: 105.320 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 96 Resp: 237535
Ion Ratio Lower Upper
96 100
61 108.4 79.0 146.8
68 0.0 0.0 0.0

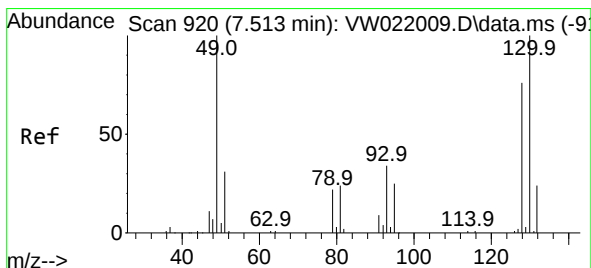
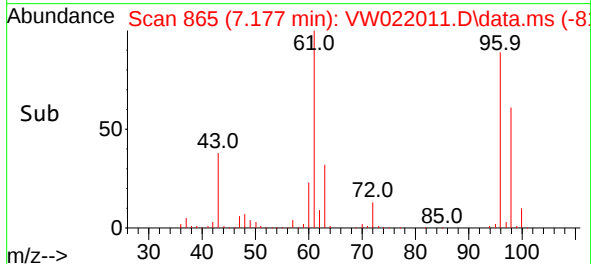
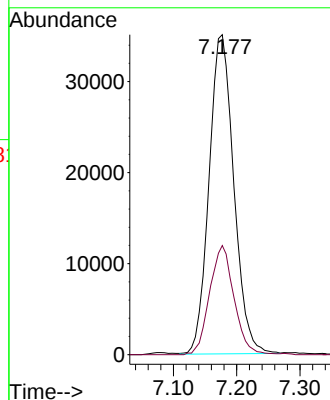
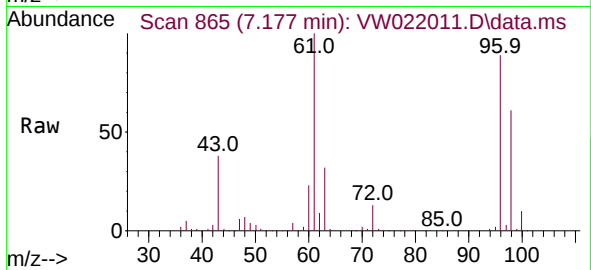




#22
2-Butanone
Concen: 208.792 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

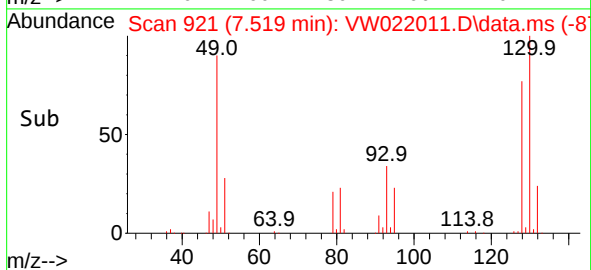
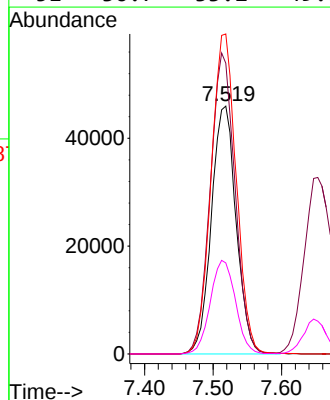
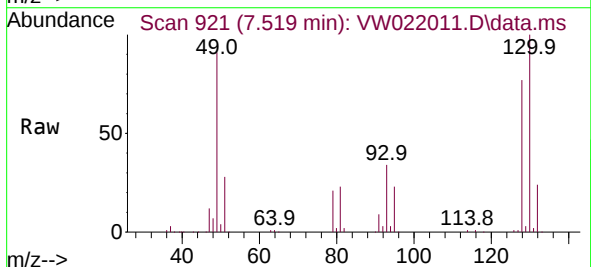
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

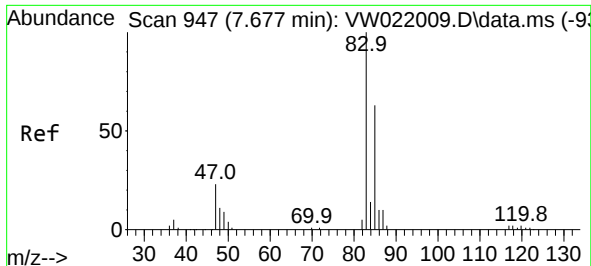
Tgt Ion: 43 Resp: 95304
Ion Ratio Lower Upper
43 100
72 33.7 16.8 50.4



#23
Bromochloromethane
Concen: 103.797 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 128 Resp: 115272
Ion Ratio Lower Upper
128 100
49 117.3 92.7 172.3
130 129.1 92.5 171.7
51 36.7 33.2 49.8

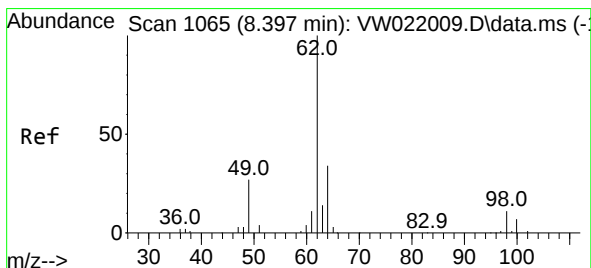
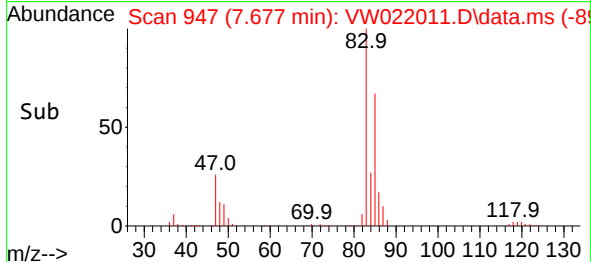
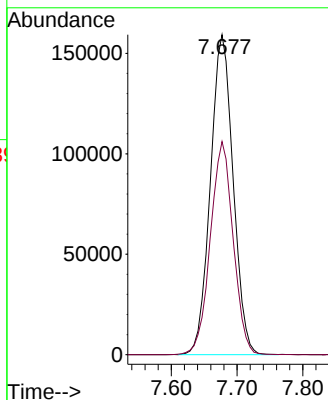
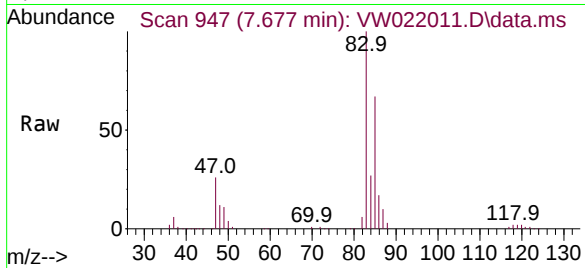




#25
Chloroform
Concen: 99.341 ug/L
RT: 7.677 min Scan# 947
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

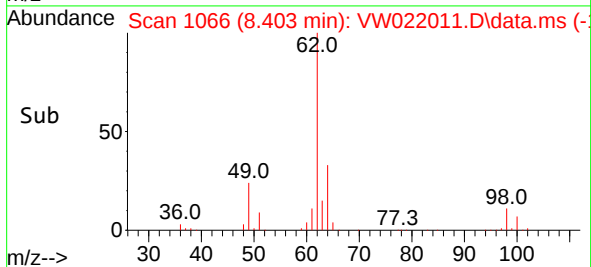
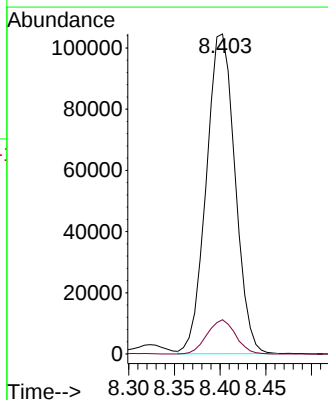
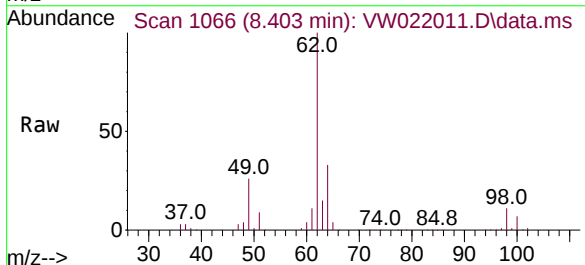
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

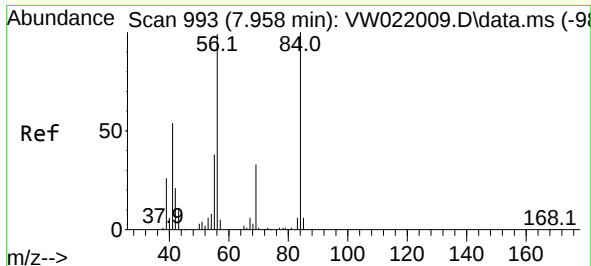
Tgt Ion: 83 Resp: 382897
Ion Ratio Lower Upper
83 100
85 66.6 44.2 82.2



#27
1,2-Dichloroethane
Concen: 100.748 ug/L
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

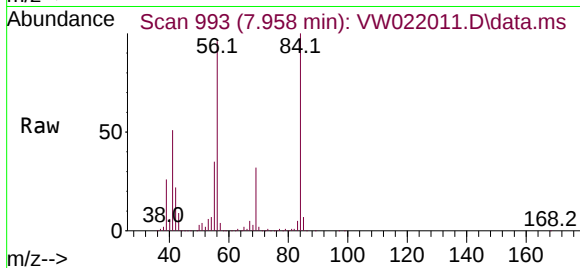
Tgt Ion: 62 Resp: 228975
Ion Ratio Lower Upper
62 100
98 10.7 8.8 13.2





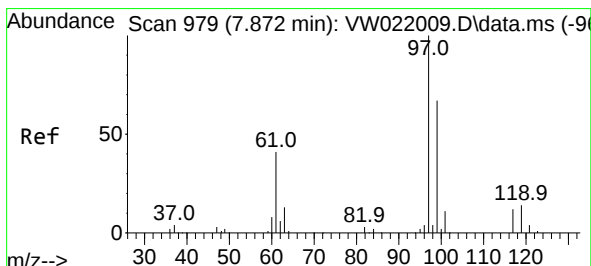
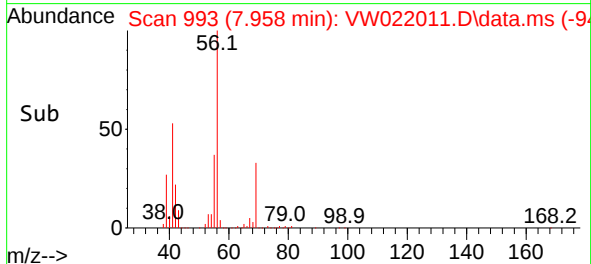
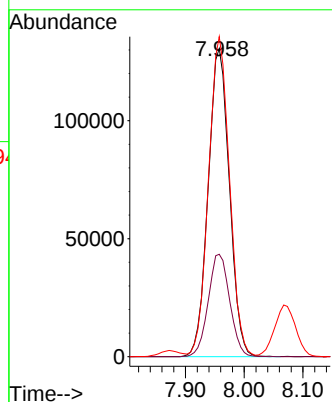
#29
Cyclohexane
Concen: 105.589 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD100454



Tgt Ion: 56 Resp: 328027

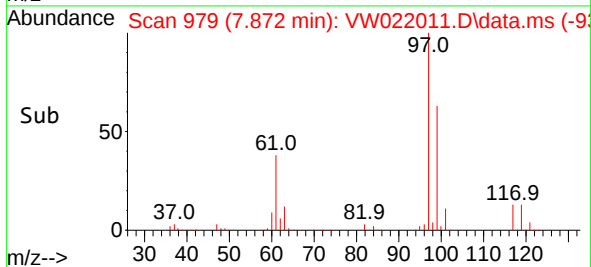
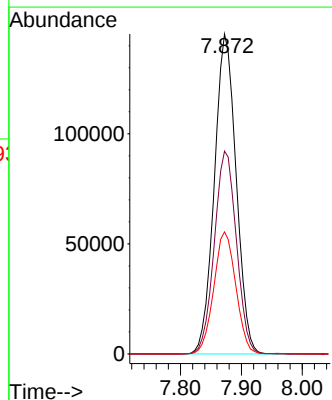
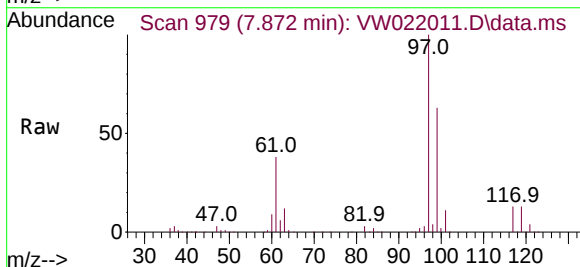
Ion	Ratio	Lower	Upper
56	100		
69	33.6	26.3	39.5
84	102.5	82.3	123.5

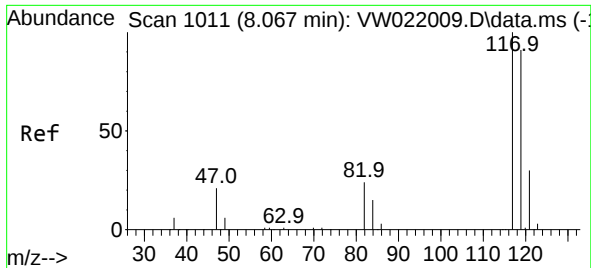


#30
1,1,1-Trichloroethane
Concen: 103.213 ug/L
RT: 7.872 min Scan# 979
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 97 Resp: 361491

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	38.6	32.3	48.5

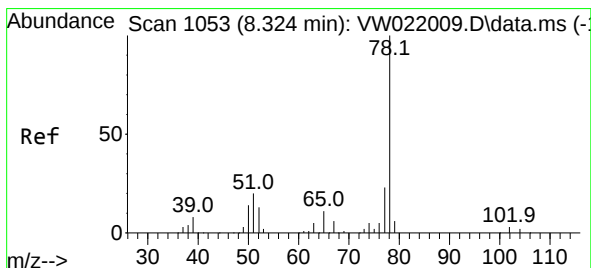
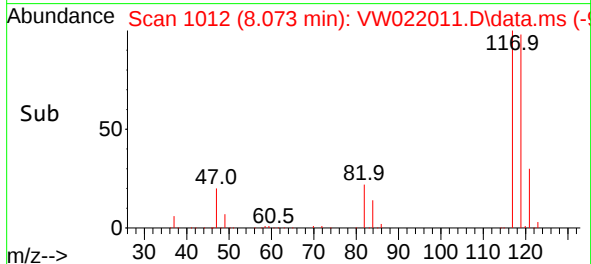
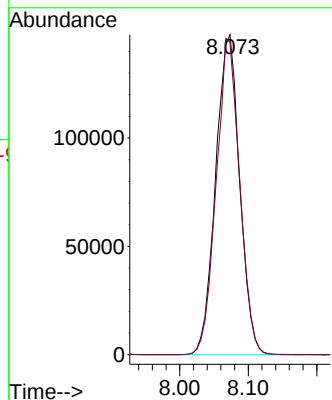
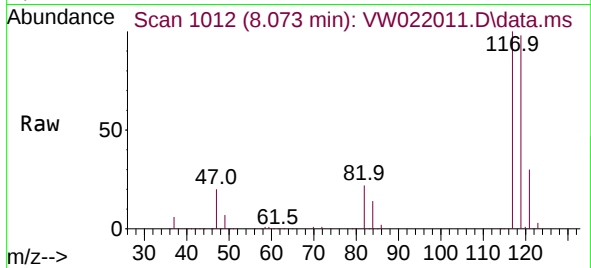




#31
Carbon tetrachloride
Concen: 104.597 ug/L
RT: 8.073 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

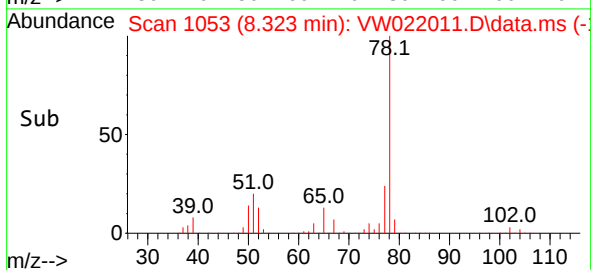
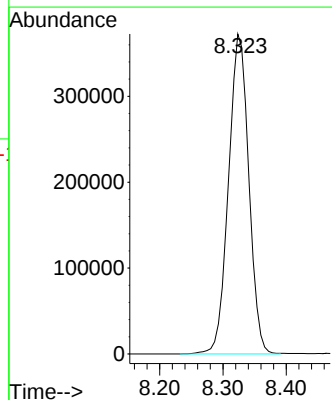
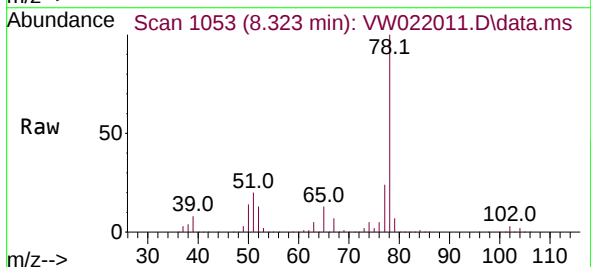
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

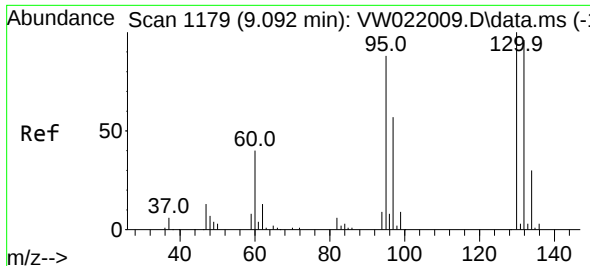
Tgt Ion:117 Resp: 358572
Ion Ratio Lower Upper
117 100
119 96.4 74.7 112.1



#33
Benzene
Concen: 100.021 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 78 Resp: 829942

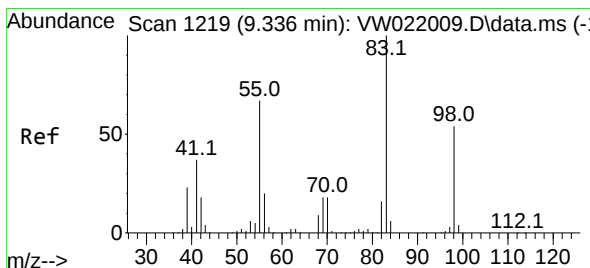
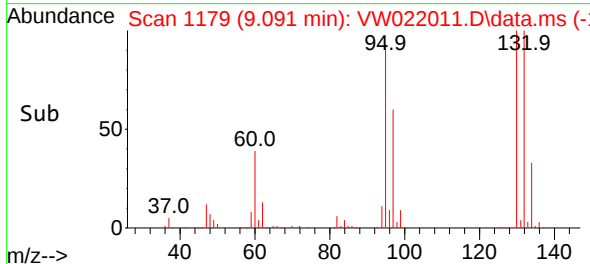
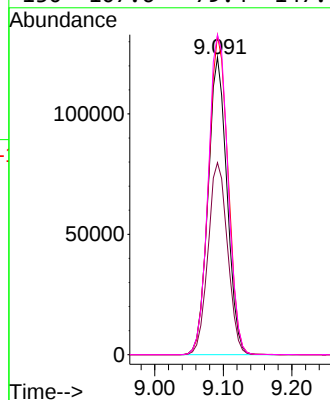
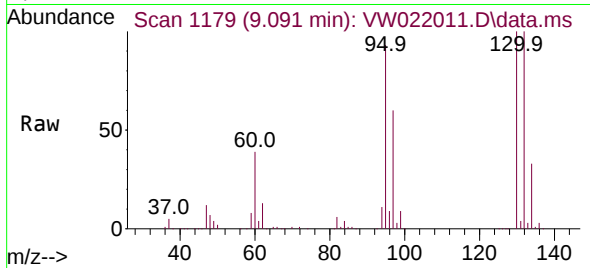




#34
Trichloroethene
Concen: 100.681 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

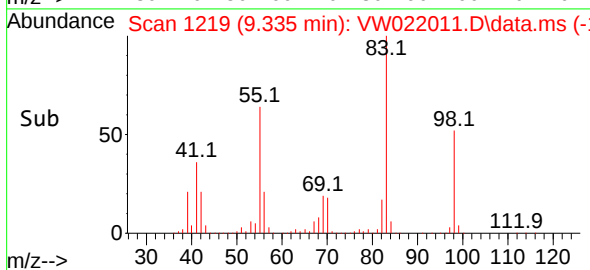
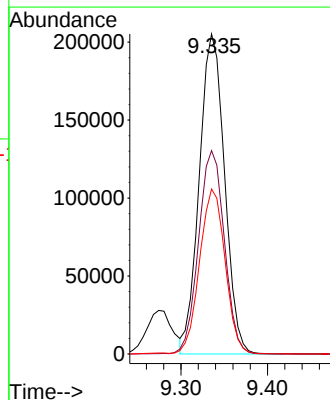
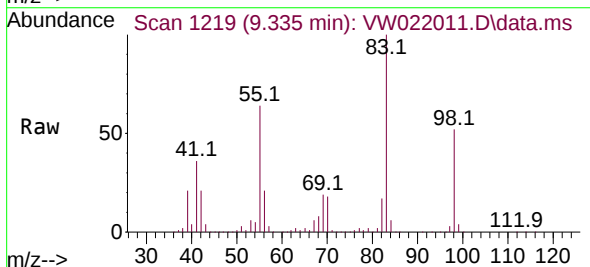
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

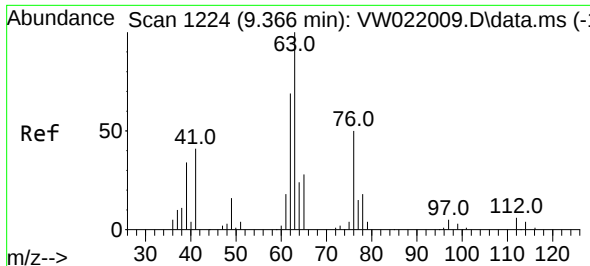
Tgt Ion: 95 Resp: 237524
Ion Ratio Lower Upper
95 100
97 64.6 45.1 83.7
132 107.3 76.1 141.3
130 107.6 79.4 147.4



#35
Methylcyclohexane
Concen: 104.471 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 83 Resp: 415809
Ion Ratio Lower Upper
83 100
55 64.7 53.4 80.2
98 52.1 42.6 63.8





#37

1,2-Dichloropropane

Concen: 101.502 ug/L

RT: 9.372 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

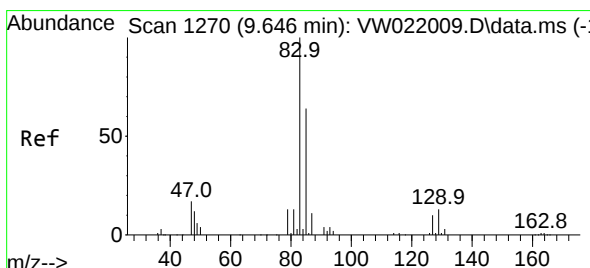
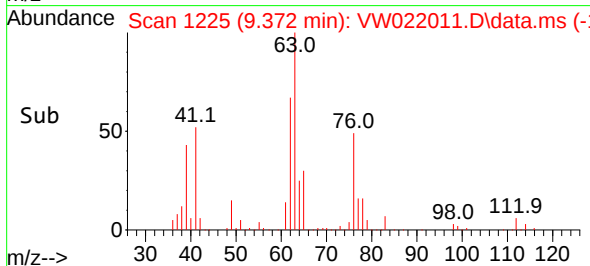
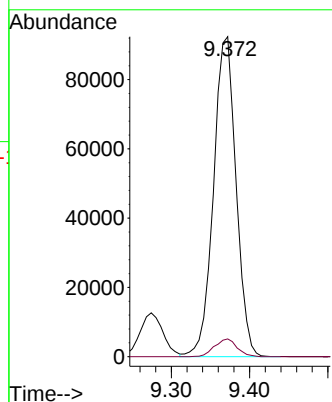
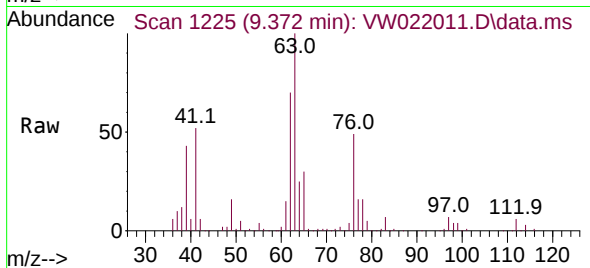
VSTD100454

Tgt Ion: 63 Resp: 184982

Ion Ratio Lower Upper

63 100

112 5.5 4.7 7.1



#38

Bromodichloromethane

Concen: 108.861 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

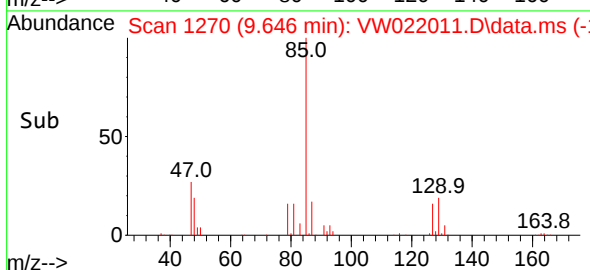
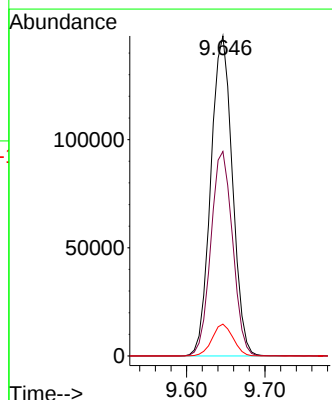
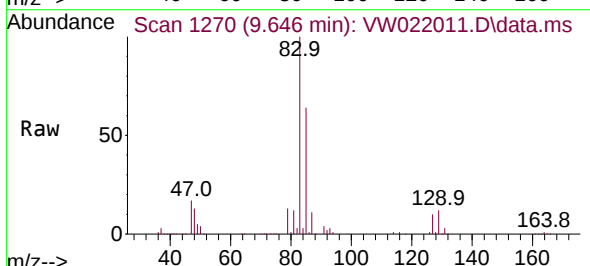
Tgt Ion: 83 Resp: 283326

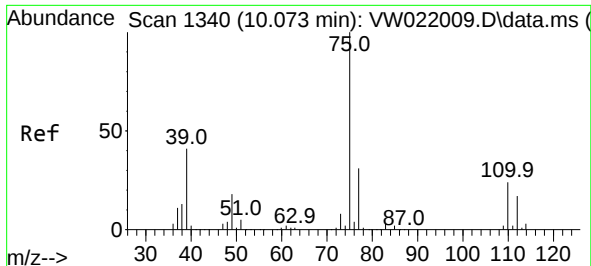
Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

127 9.9 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 111.751 ug/L

RT: 10.073 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

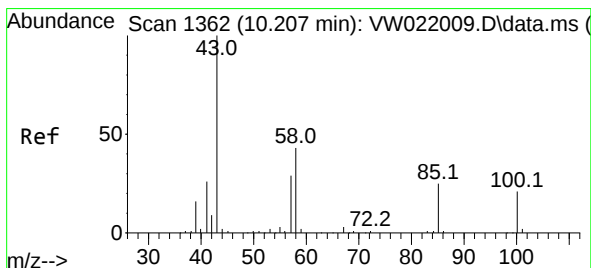
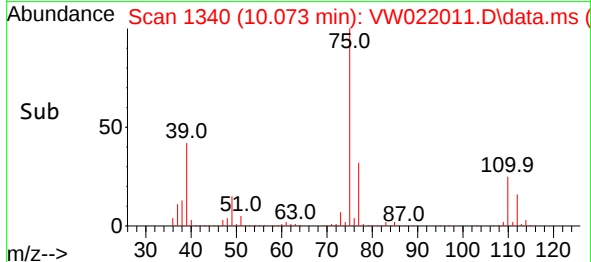
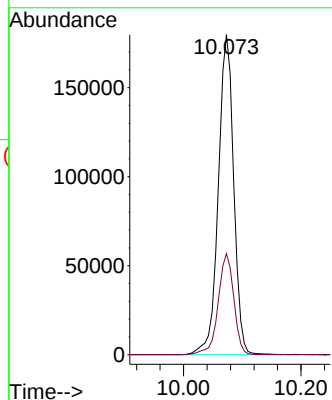
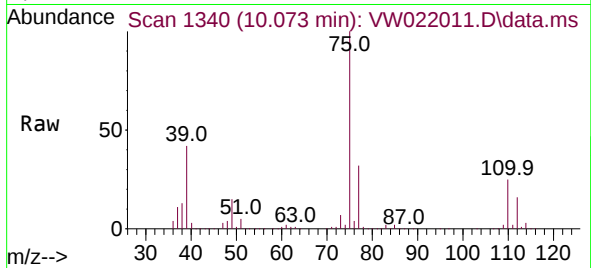
VSTD100454

Tgt Ion: 75 Resp: 326653

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 213.347 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

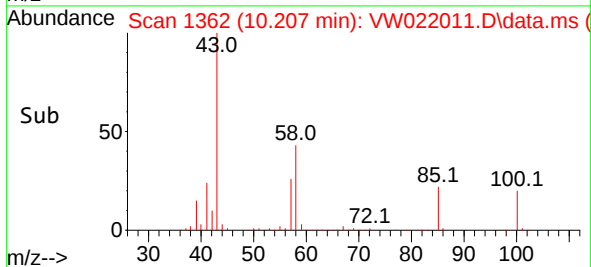
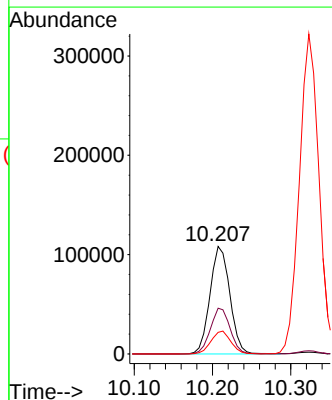
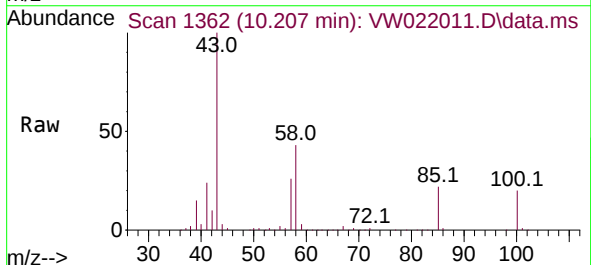
Tgt Ion: 43 Resp: 190766

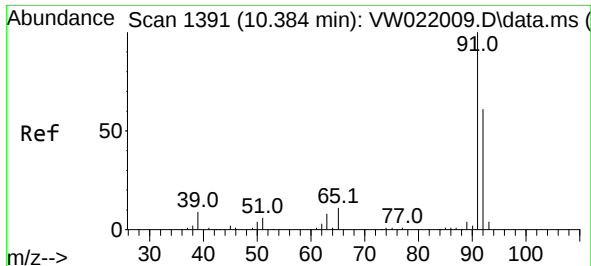
Ion Ratio Lower Upper

43 100

58 42.3 34.4 51.6

100 21.2 17.0 25.4

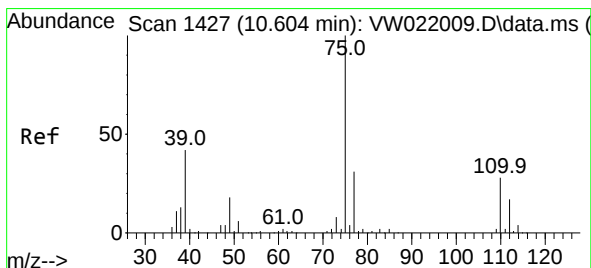
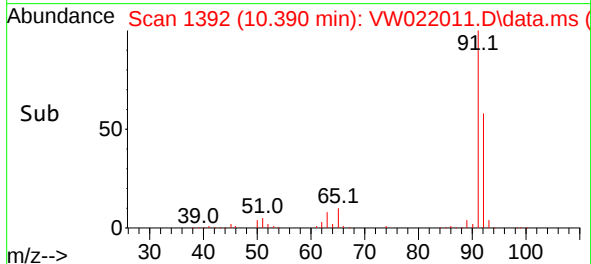
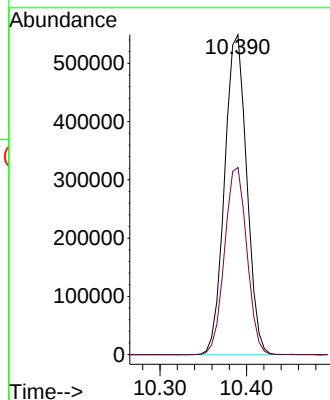
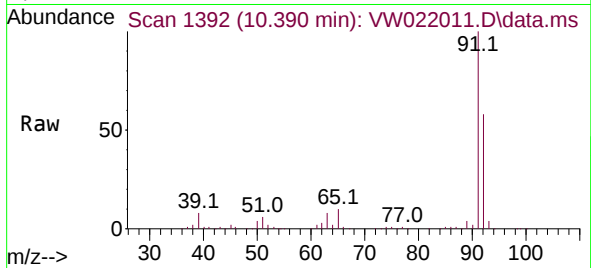




#42
Toluene
Concen: 103.659 ug/L
RT: 10.390 min Scan# 1391
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

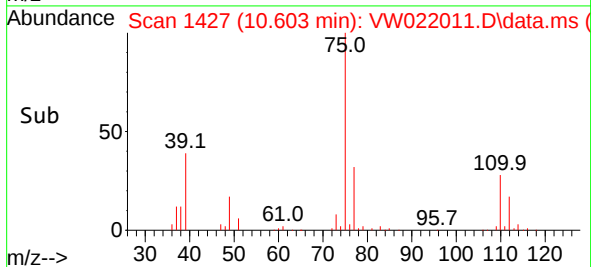
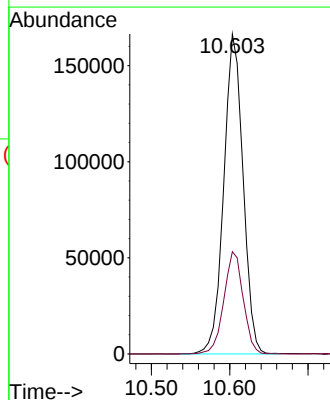
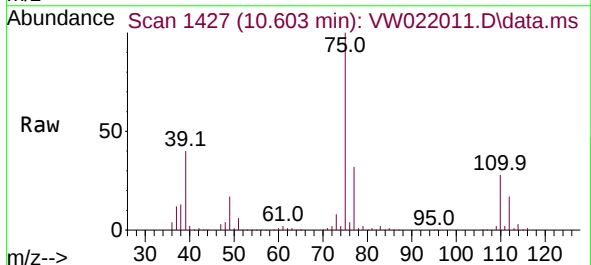
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

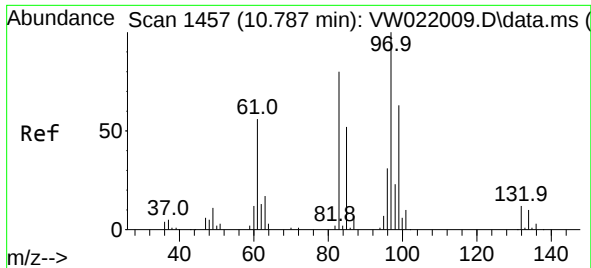
Tgt Ion: 91 Resp: 974988
Ion Ratio Lower Upper
91 100
92 58.5 42.6 79.2



#44
trans-1,3-Dichloropropene
Concen: 113.167 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 75 Resp: 285164
Ion Ratio Lower Upper
75 100
77 31.9 22.1 41.1



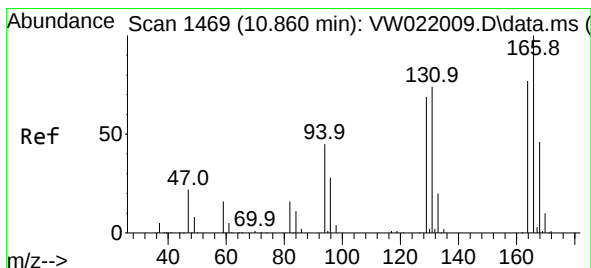
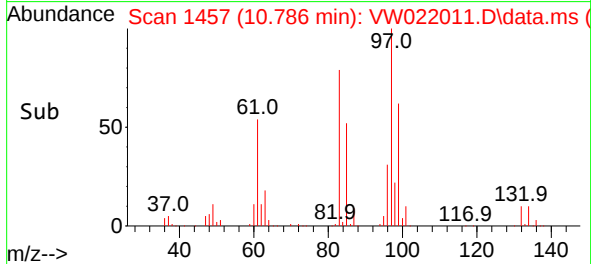
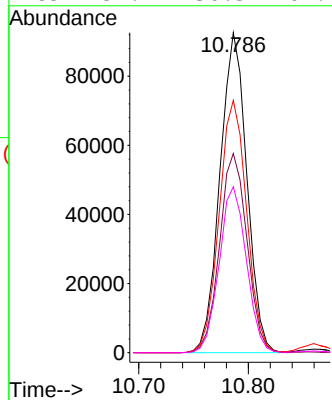
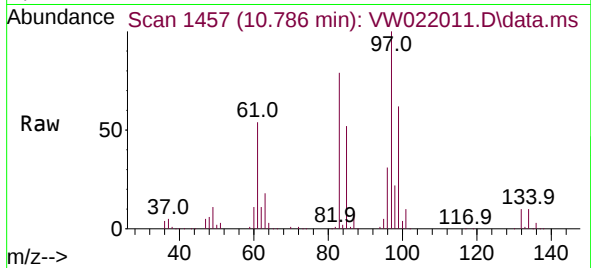


#45
1,1,2-Trichloroethane
Concen: 101.918 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

Tgt Ion: 97 Resp: 157871

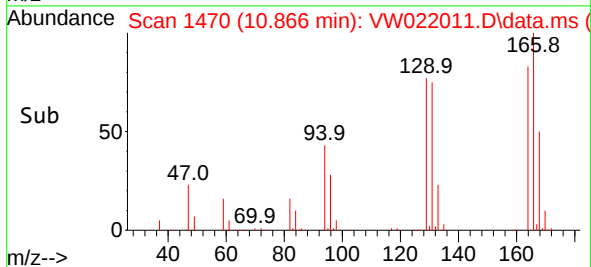
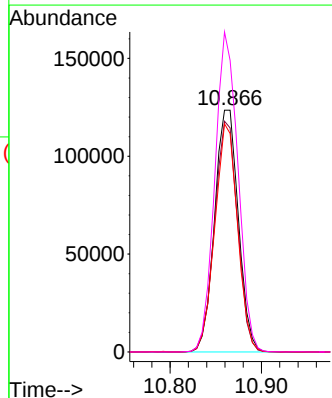
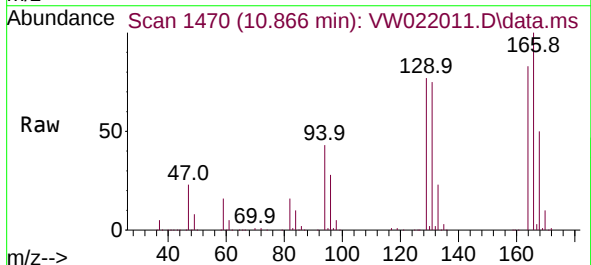
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.8	81.4
83	78.8	56.1	104.3
85	51.9	36.5	67.7

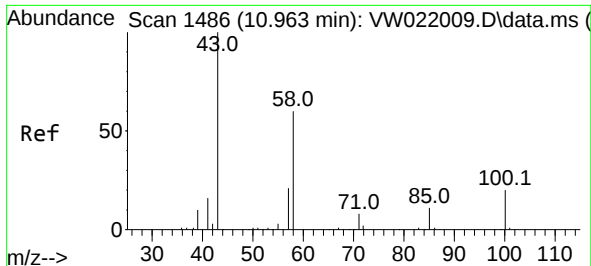


#46
Tetrachloroethene
Concen: 101.456 ug/L
RT: 10.866 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 164 Resp: 223104

Ion	Ratio	Lower	Upper
164	100		
129	92.7	62.6	116.2
131	90.3	67.1	124.7
166	120.6	91.1	169.1

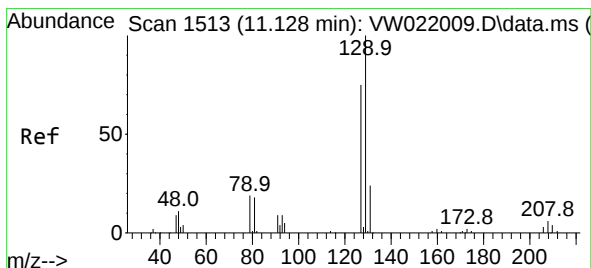
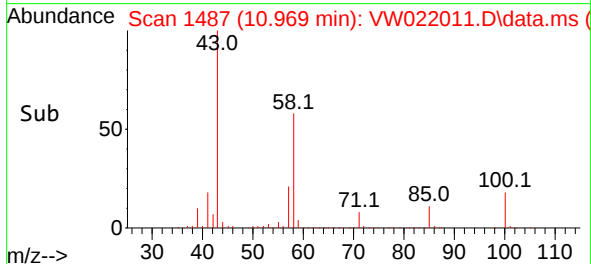
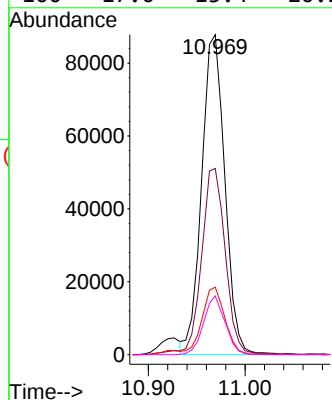
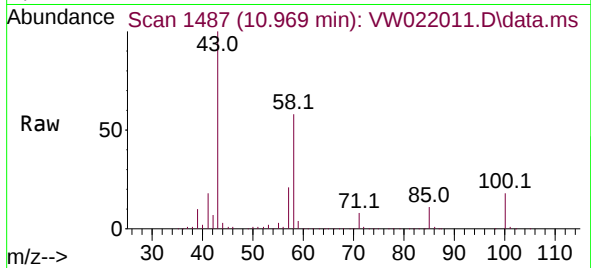




#48
2-Hexanone
Concen: 220.840 ug/L
RT: 10.969 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

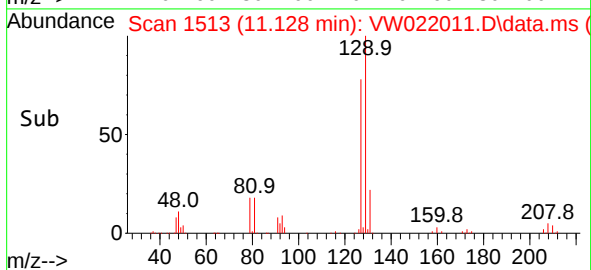
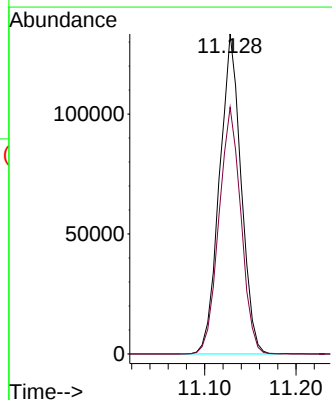
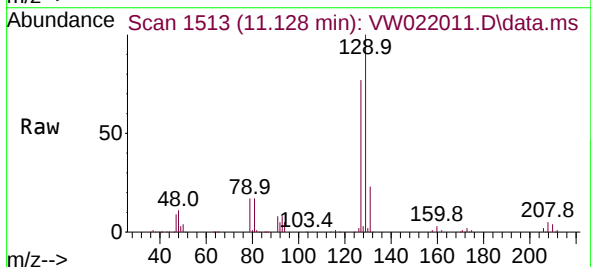
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

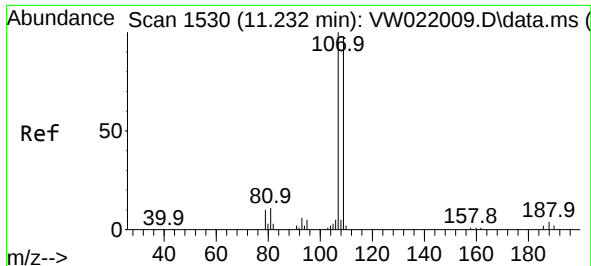
Tgt Ion: 43 Resp: 146920
Ion Ratio Lower Upper
43 100
58 59.8 49.2 73.8
57 20.9 16.6 24.8
100 17.0 13.4 20.2



#49
Dibromochloromethane
Concen: 112.366 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 129 Resp: 219181
Ion Ratio Lower Upper
129 100
127 77.1 52.6 97.6





#50

1,2-Dibromoethane

Concen: 105.805 ug/L

RT: 11.231 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD100454

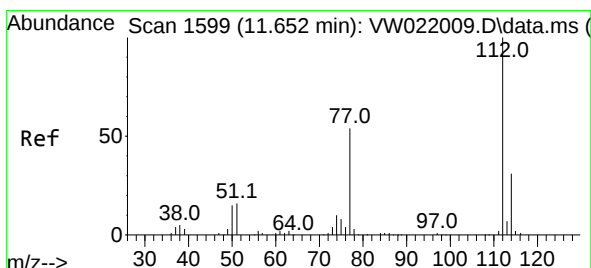
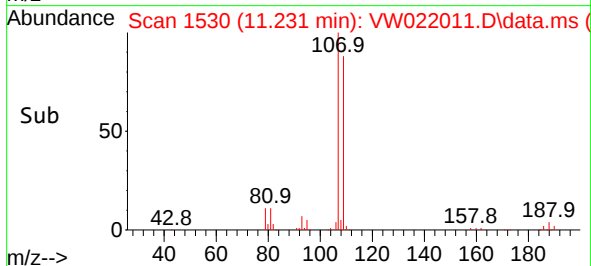
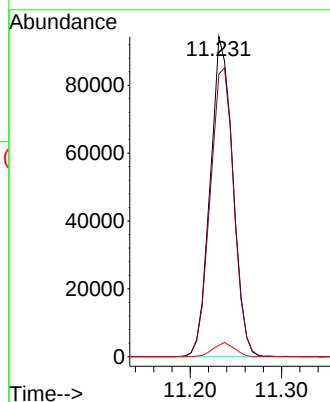
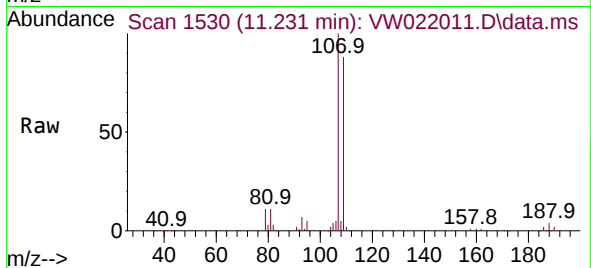
Tgt Ion:107 Resp: 162266

Ion Ratio Lower Upper

107 100

109 88.3 68.0 126.2

188 3.6 3.2 4.8



#51

Chlorobenzene

Concen: 102.787 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

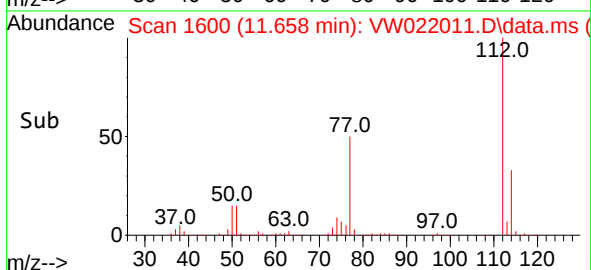
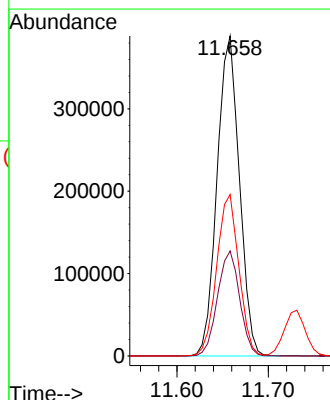
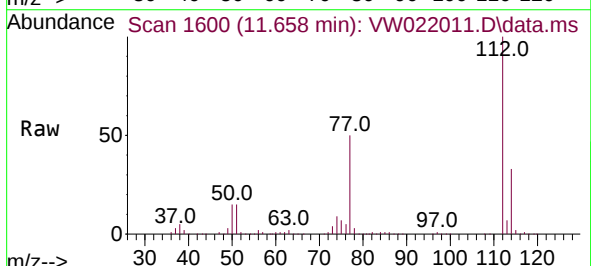
Tgt Ion:112 Resp: 657971

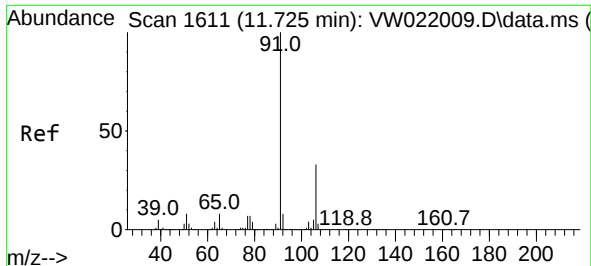
Ion Ratio Lower Upper

112 100

114 32.8 21.5 39.9

77 50.5 43.6 65.4

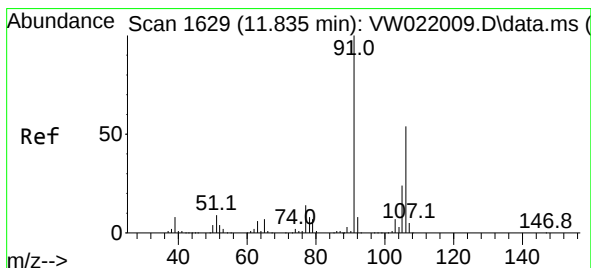
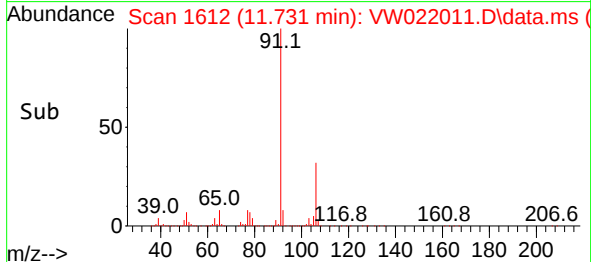
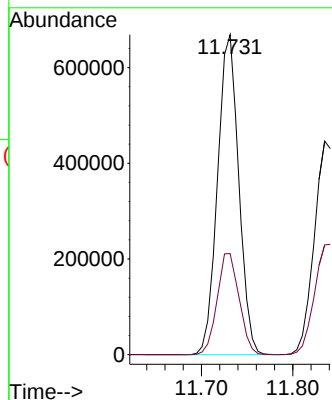
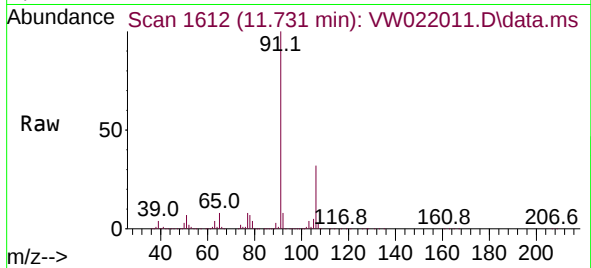




#52
Ethylbenzene
Concen: 103.855 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

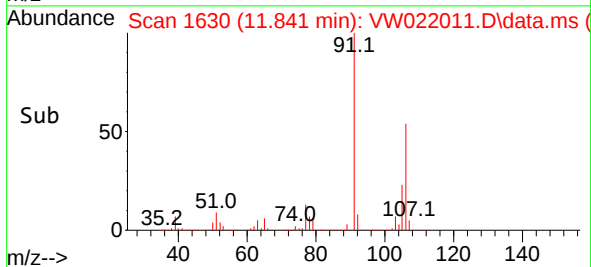
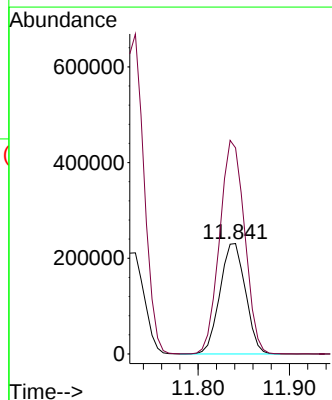
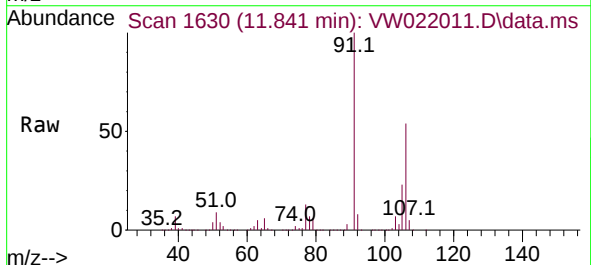
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

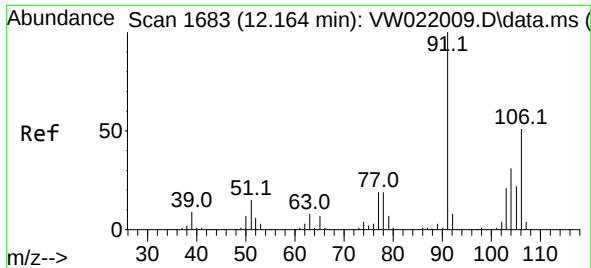
Tgt Ion: 91 Resp: 1077793
Ion Ratio Lower Upper
91 100
106 31.6 22.8 42.4



#53
m,p-Xylene
Concen: 104.019 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion:106 Resp: 447881
Ion Ratio Lower Upper
106 100
91 186.6 129.6 240.8

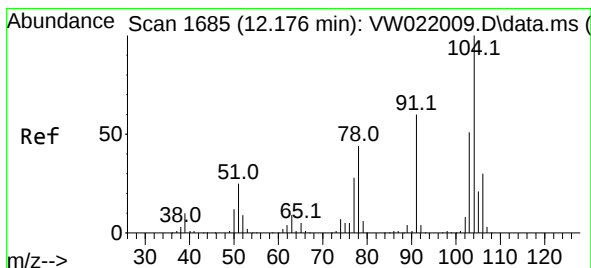
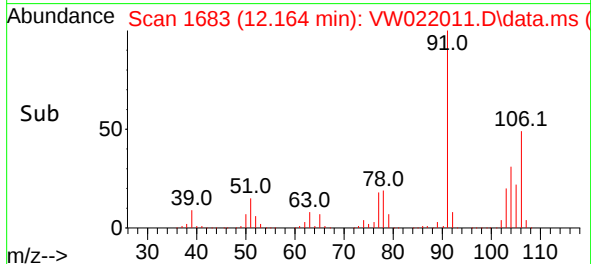
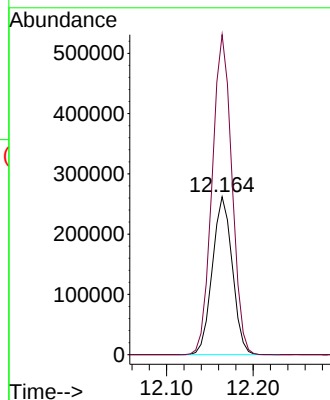
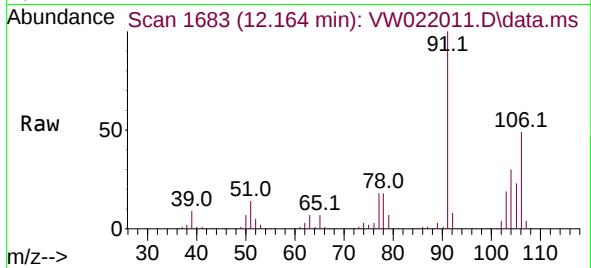




#54
o-Xylene
Concen: 103.903 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

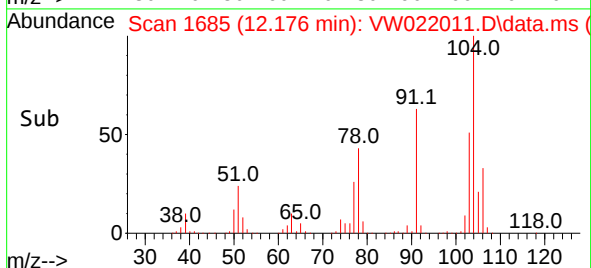
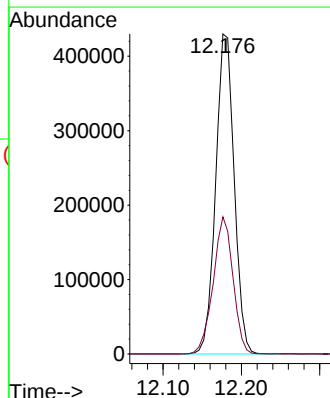
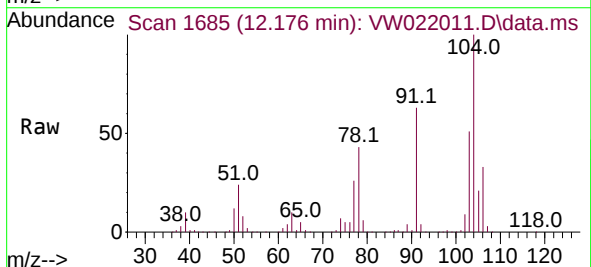
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

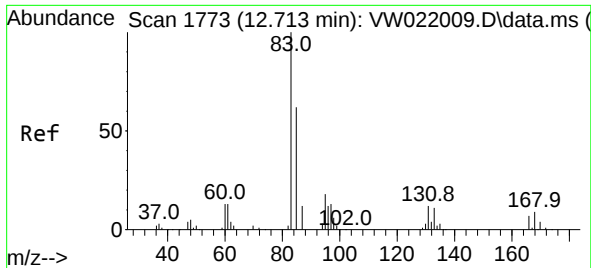
Tgt Ion:106 Resp: 418503
Ion Ratio Lower Upper
106 100
91 202.7 136.4 253.4



#55
Styrene
Concen: 108.589 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion:104 Resp: 706490
Ion Ratio Lower Upper
104 100
78 42.9 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 98.202 ug/L

RT: 12.713 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD100454

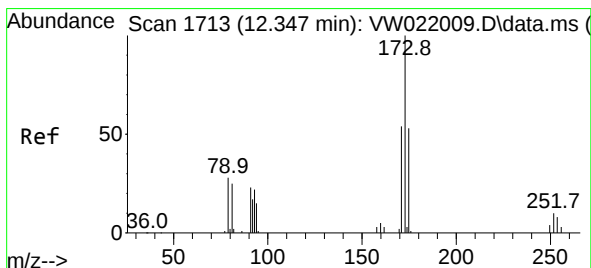
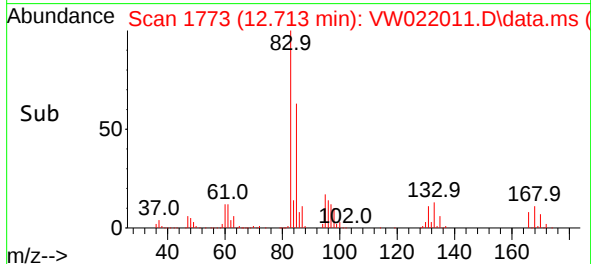
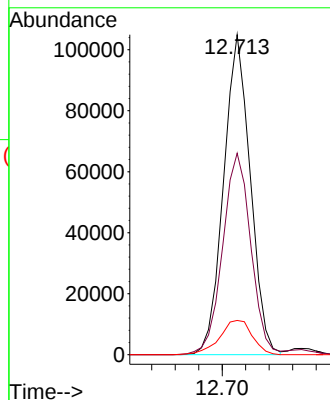
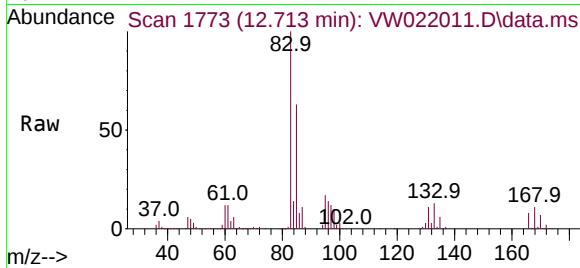
Tgt Ion: 83 Resp: 165574

Ion Ratio Lower Upper

83 100

85 62.9 43.8 81.3

131 10.7 9.8 14.8



#59

Bromoform

Concen: 119.428 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

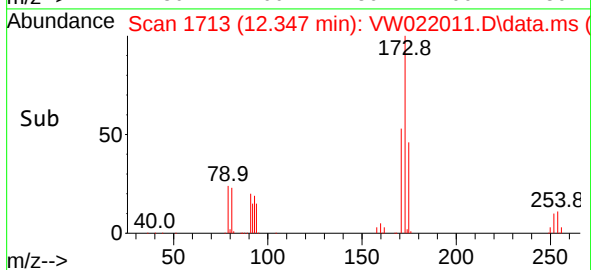
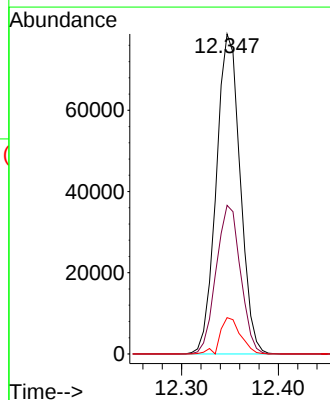
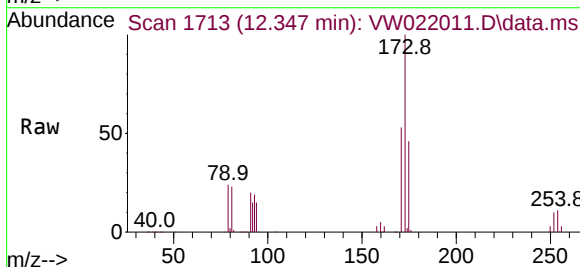
Tgt Ion:173 Resp: 135206

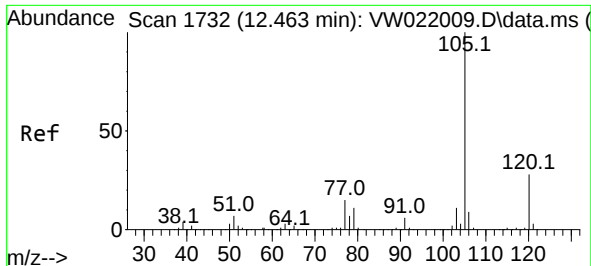
Ion Ratio Lower Upper

173 100

175 47.3 41.0 61.4

254 9.1 3.4 5.2#

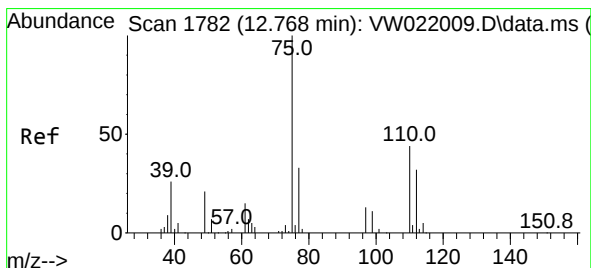
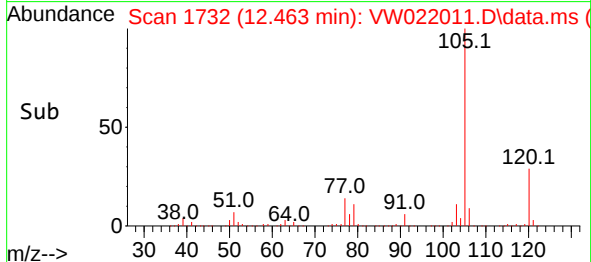
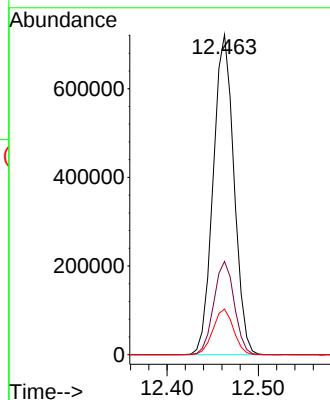
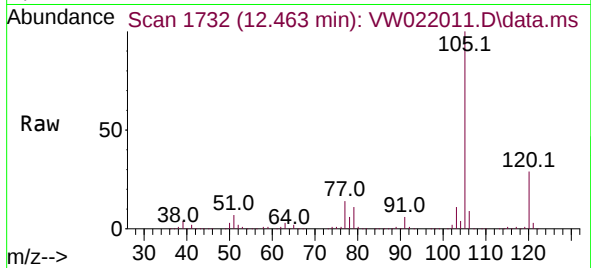




#60
Isopropylbenzene
Concen: 101.631 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

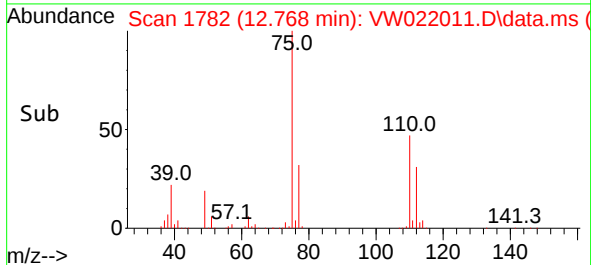
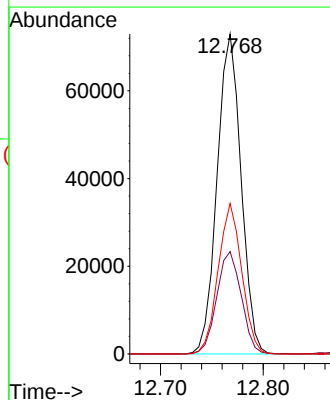
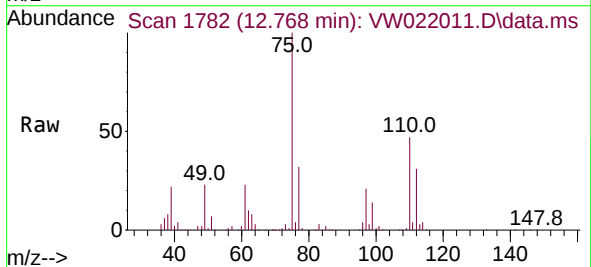
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

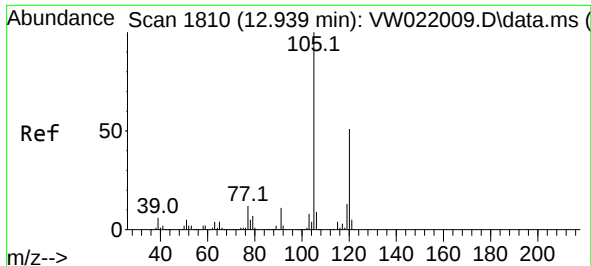
Tgt Ion:105 Resp: 1138216
Ion Ratio Lower Upper
105 100
120 28.9 22.1 33.1
77 14.1 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 94.551 ug/L
RT: 12.768 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion: 75 Resp: 118073
Ion Ratio Lower Upper
75 100
77 32.7 27.3 40.9
110 46.3 36.4 54.6

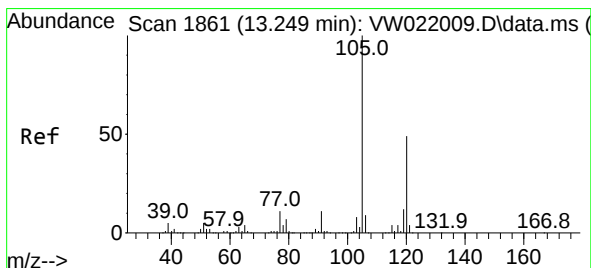
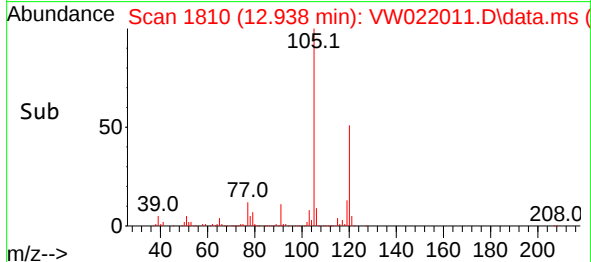
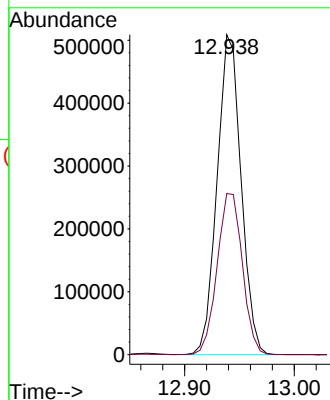
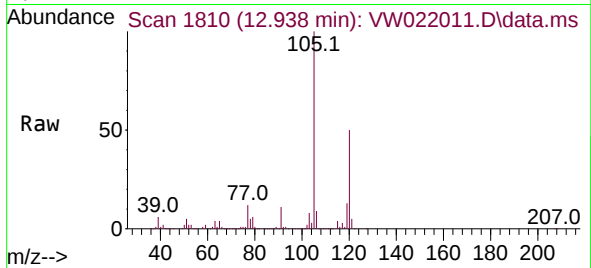




#62
 1,3,5-Trimethylbenzene
 Concen: 104.343 ug/L
 RT: 12.938 min Scan# 1810
 Delta R.T. -0.000 min
 Lab File: VW022011.D
 Acq: 01 Feb 2022 16:28

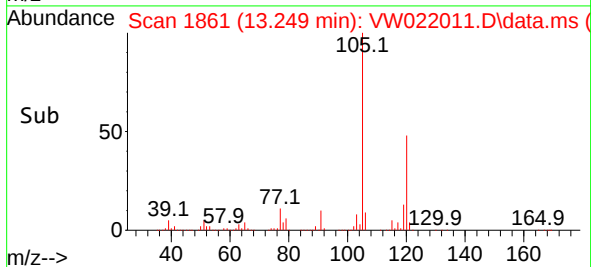
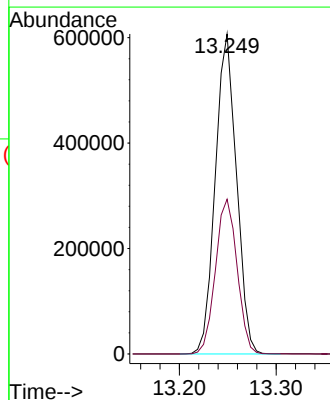
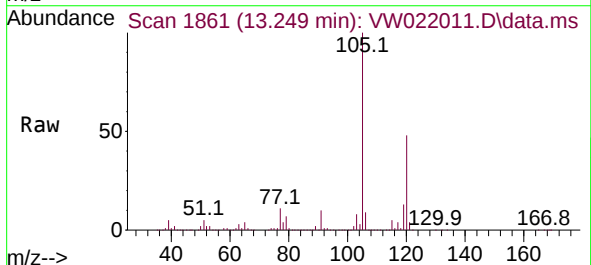
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD100454

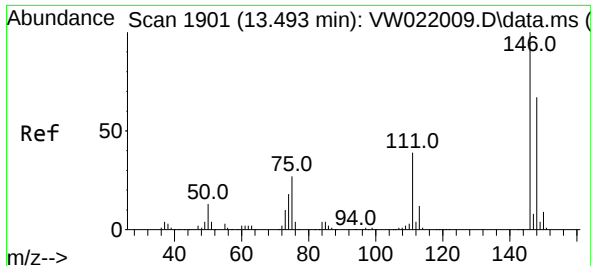
Tgt Ion:105 Resp: 775024
 Ion Ratio Lower Upper
 105 100
 120 52.9 40.9 61.3



#63
 1,2,4-Trimethylbenzene
 Concen: 101.988 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. -0.000 min
 Lab File: VW022011.D
 Acq: 01 Feb 2022 16:28

Tgt Ion:105 Resp: 922943
 Ion Ratio Lower Upper
 105 100
 120 49.3 37.8 56.8

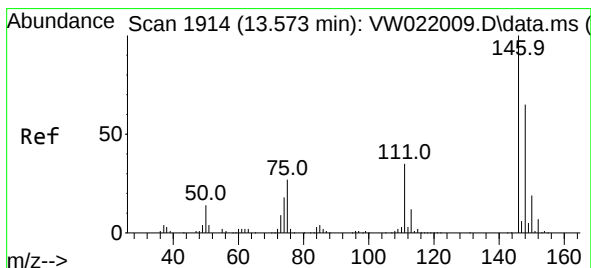
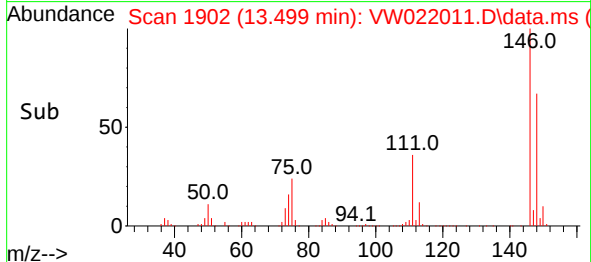
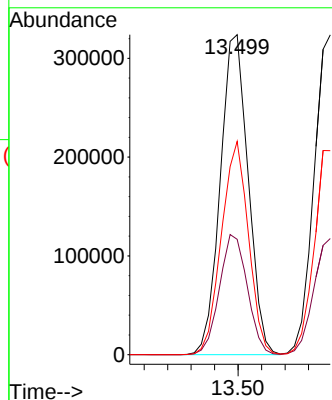
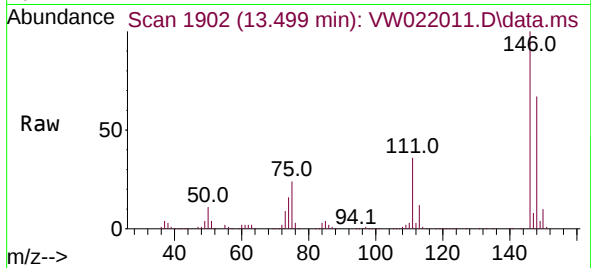




#64
1,3-Dichlorobenzene
Concen: 99.568 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

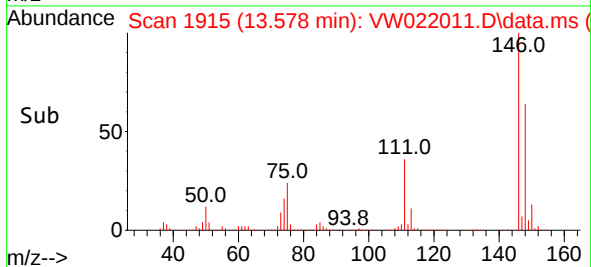
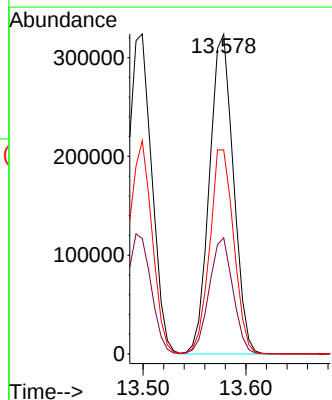
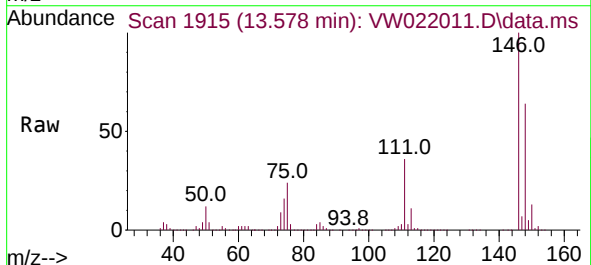
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

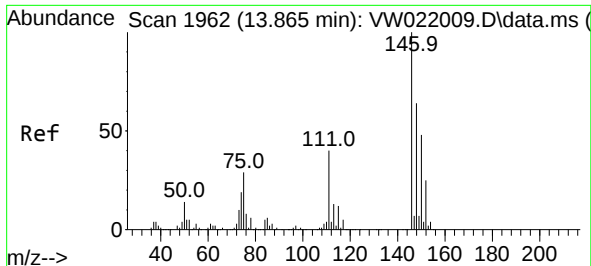
Tgt Ion:146 Resp: 534267
Ion Ratio Lower Upper
146 100
111 36.1 27.3 50.7
148 66.7 46.7 86.7



#65
1,4-Dichlorobenzene
Concen: 97.807 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion:146 Resp: 525337
Ion Ratio Lower Upper
146 100
111 36.3 24.4 45.4
148 63.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 95.963 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD100454

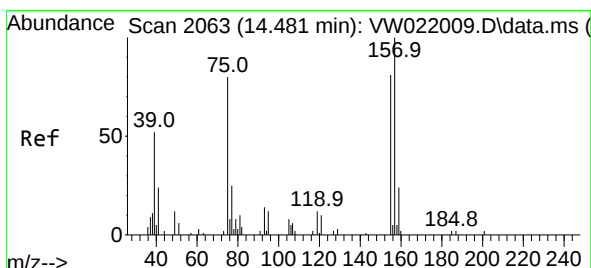
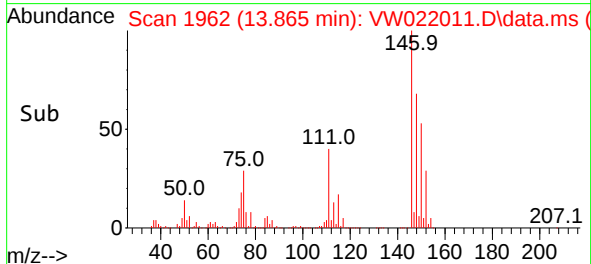
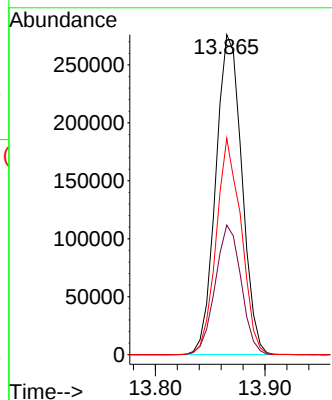
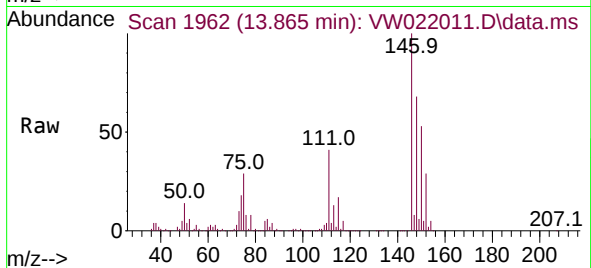
Tgt Ion:146 Resp: 457655

Ion Ratio Lower Upper

146 100

111 40.5 32.2 48.4

148 67.7 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 103.506 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

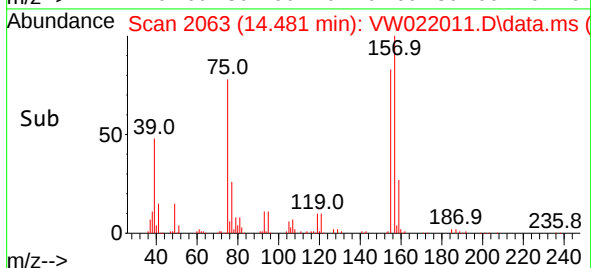
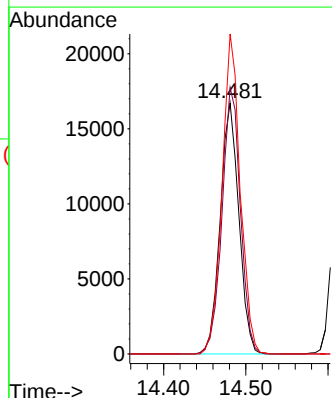
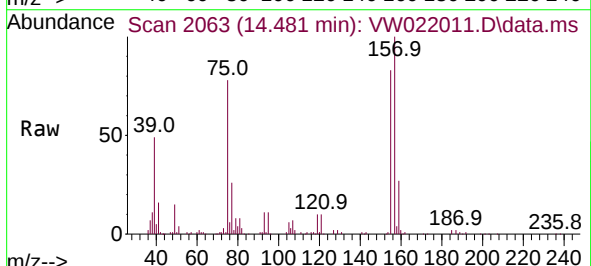
Tgt Ion: 75 Resp: 26297

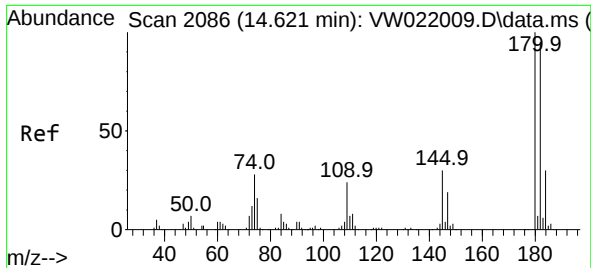
Ion Ratio Lower Upper

75 100

155 106.1 80.9 121.3

157 127.5 100.3 150.5

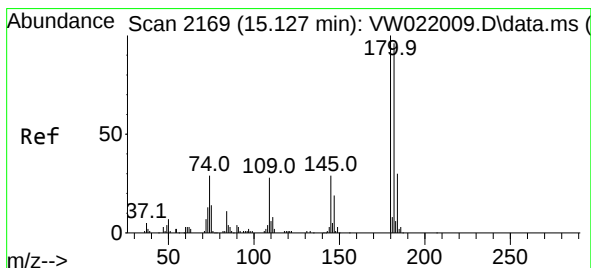
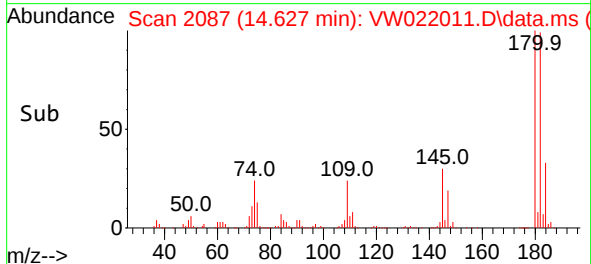
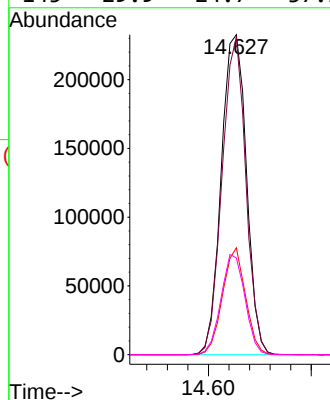
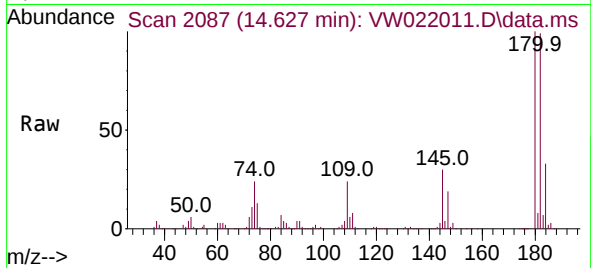




#69
1,3,5-Trichlorobenzene
Concen: 102.411 ug/L
RT: 14.627 min Scan# 2086
Delta R.T. 0.006 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

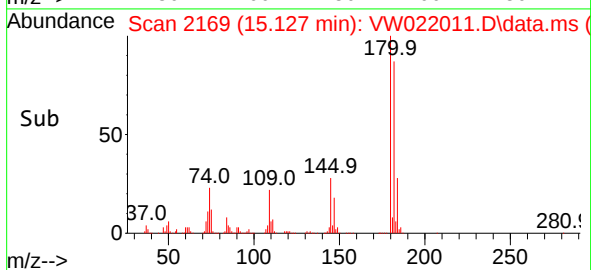
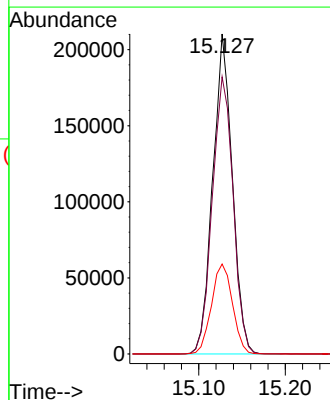
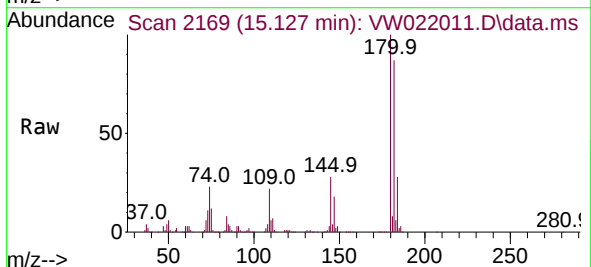
Instrument :
MSVOA_W
ClientSampleId :
VSTD100454

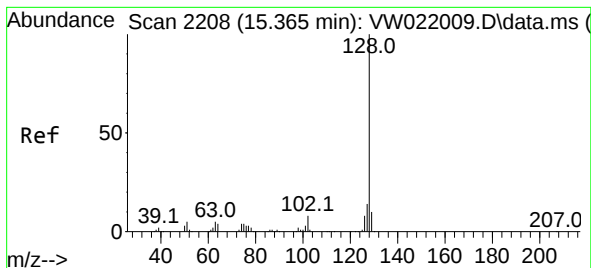
Tgt Ion:180 Resp: 395088
Ion Ratio Lower Upper
180 100
182 93.7 77.4 116.2
184 30.5 25.2 37.8
145 29.9 24.7 37.1



#70
1,2,4-trichlorobenzene
Concen: 107.535 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. -0.000 min
Lab File: VW022011.D
Acq: 01 Feb 2022 16:28

Tgt Ion:180 Resp: 329525
Ion Ratio Lower Upper
180 100
182 92.0 74.6 111.8
145 30.2 25.0 37.6





#71

Naphthalene

Concen: 113.570 ug/L

RT: 15.359 min Scan# 21

Delta R.T. -0.006 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD100454

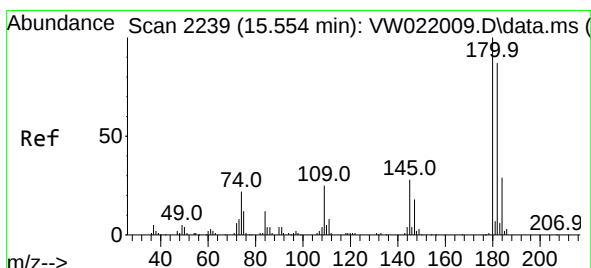
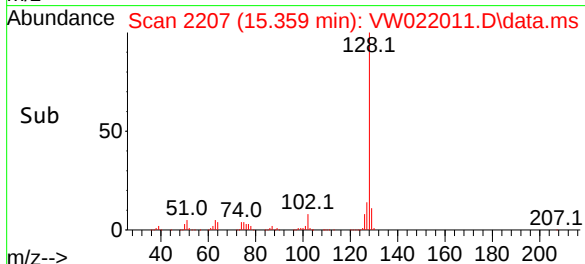
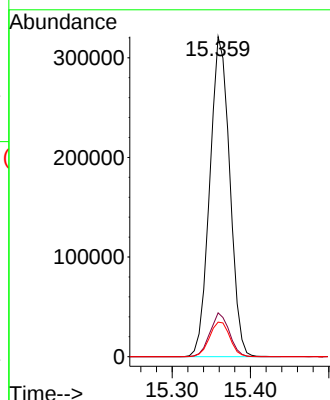
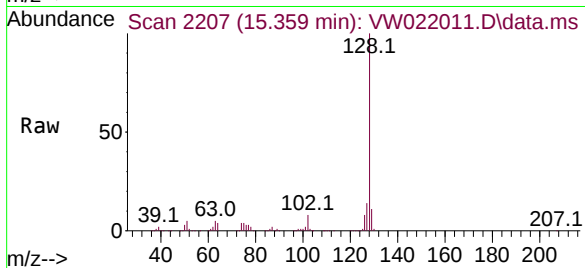
Tgt Ion:128 Resp: 567798

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

129 11.0 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 108.507 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. -0.006 min

Lab File: VW022011.D

Acq: 01 Feb 2022 16:28

Tgt Ion:180 Resp: 284196

Ion Ratio Lower Upper

180 100

182 96.0 78.6 118.0

145 31.5 27.3 40.9

