

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032323\
 Data File : VW030301.D
 Acq On : 23 Mar 2023 10:33
 Operator : SY/MD
 Sample : VSTD00530
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005230

Quant Time: Mar 24 02:22:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 24 02:21:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	159003	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	153850	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	89214	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	46626	4.428	ug/L	0.00
7) Chloroethane-d5	1.536	69	43830	4.289	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	63	112761	4.512	ug/L	0.00
20) 2-Butanone-d5	3.844	46	114176	44.134	ug/L	0.00
24) Chloroform-d	4.262	84	114168	4.479	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	52452	4.362	ug/L	0.00
32) Benzene-d6	4.970	84	201303	4.643	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	61800	4.553	ug/L	0.00
41) Toluene-d8	7.252	98	189250	4.753	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	23296	4.559	ug/L	0.00
46) 2-Hexanone-d5	8.037	63	93848	45.702	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	49038	4.584	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.571	152	69982	4.389	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	96197	4.759	ug/L	100
3) Chloromethane	1.217	50	116209	4.556	ug/L	100
5) Vinyl chloride	1.285	62	86048	4.627	ug/L	100
6) Bromomethane	1.491	94	23760	4.480	ug/L	100
8) Chloroethane	1.552	64	50159	4.709	ug/L	100
9) Trichlorofluoromethane	1.716	101	128816	4.752	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	68518	4.580	ug/L	100
12) 1,1-Dichloroethene	2.073	96	61525	4.631	ug/L	100
13) Acetone	2.182	43	110068	44.101	ug/L	100
14) Carbon disulfide	2.243	76	206263	4.713	ug/L	100
15) Methyl Acetate	2.404	43	21211	4.938	ug/L	97
16) Methylene chloride	2.452	84	70798	4.505	ug/L	100
17) Methyl tert-butyl Ether	2.716	73	128613	4.571	ug/L	100
18) trans-1,2-Dichloroethene	2.700	96	64974	4.642	ug/L	100
19) 1,1-Dichloroethane	3.121	63	127523	4.700	ug/L	100
21) 2-Butanone	3.921	43	143139	45.692	ug/L	100
22) cis-1,2-Dichloroethene	3.828	96	65672	4.675	ug/L	100
23) Bromochloromethane	4.156	128	30759	4.689	ug/L	100
25) Chloroform	4.288	83	130155	4.747	ug/L	100
27) 1,2-Dichloroethane	5.053	62	76648	4.623	ug/L	100
29) 1,1,1-Trichloroethane	4.523	97	119370	4.827	ug/L	100
30) Cyclohexane	4.593	56	109353	4.854	ug/L	100
31) Carbon tetrachloride	4.744	117	109363	4.874	ug/L	100
33) Benzene	5.021	78	271710	4.972	ug/L	100
34) Trichloroethene	5.841	95	69117	4.690	ug/L	100
35) Methylcyclohexane	6.059	83	112262	4.853	ug/L	100
37) 1,2-Dichloropropane	6.101	63	70641	5.036	ug/L	100
38) Bromodichloromethane	6.442	83	88821	4.835	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	93208	4.725	ug/L	100
40) 4-Methyl-2-pentanone	7.172	43	367788	49.753	ug/L	100
42) Toluene	7.323	91	297450	5.111	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	81162	4.835	ug/L	100

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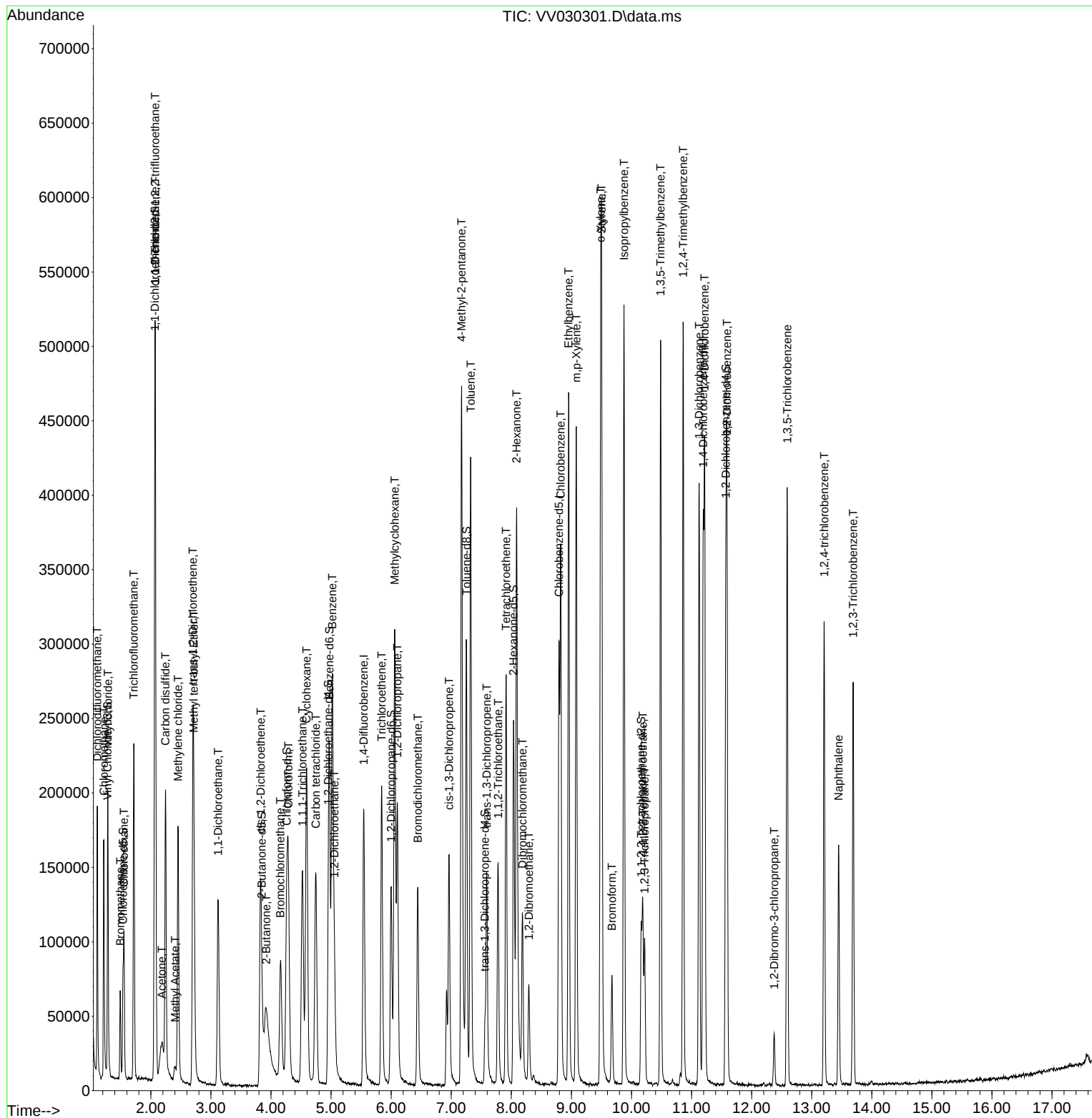
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.780	97	47821	4.841	ug/L	100
47) Tetrachloroethene	7.912	164	62387	4.797	ug/L	100
48) 2-Hexanone	8.088	43	280419	50.619	ug/L	100
49) Dibromochloromethane	8.185	129	56114	4.772	ug/L	100
50) 1,2-Dibromoethane	8.291	107	43614	4.853	ug/L	100
51) Chlorobenzene	8.821	112	185434	4.976	ug/L	100
52) Ethylbenzene	8.953	91	309378	4.858	ug/L	100
53) m,p-Xylene	9.082	106	120679	4.951	ug/L	100
54) o-Xylene	9.487	106	112454	4.821	ug/L	100
55) Styrene	9.503	104	201927	5.097	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	55857	4.764	ug/L	100
59) Bromoform	9.673	173	33617	4.662	ug/L	100
60) Isopropylbenzene	9.876	105	314001	4.773	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	37373	4.685	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	254052	4.732	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	262773	4.803	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	159206	4.853	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	158926	4.808	ug/L	100
67) 1,2-Dichlorobenzene	11.590	146	142322	4.814	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	8802	4.437	ug/L	100
69) 1,3,5-Trichlorobenzene	12.593	180	118064	4.674	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	91516	4.692	ug/L	100
71) Naphthalene	13.448	128	123390	4.430	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	78611	4.652	ug/L	100

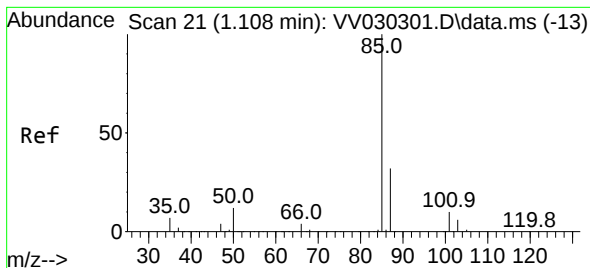
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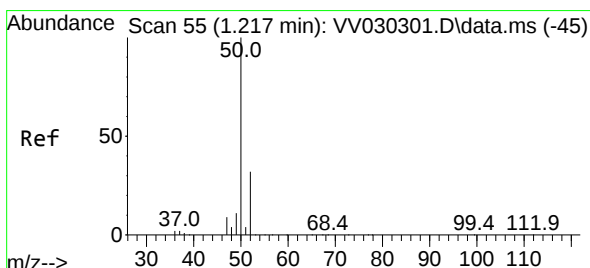
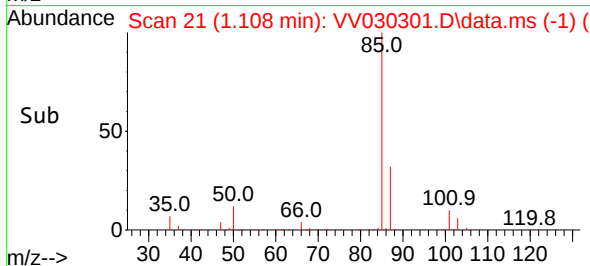
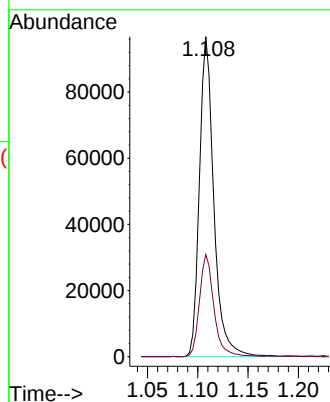
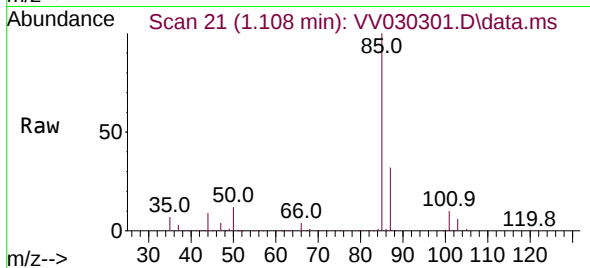




#2
 Dichlorodifluoromethane
 Concen: 4.759 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

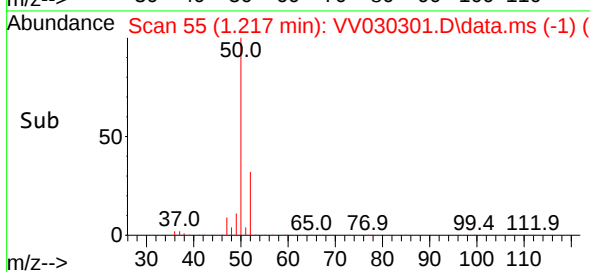
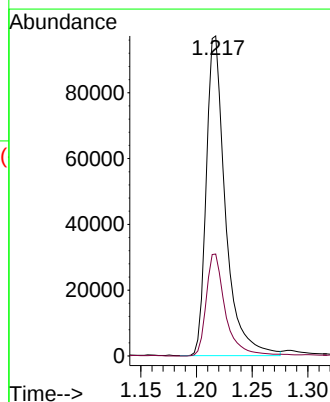
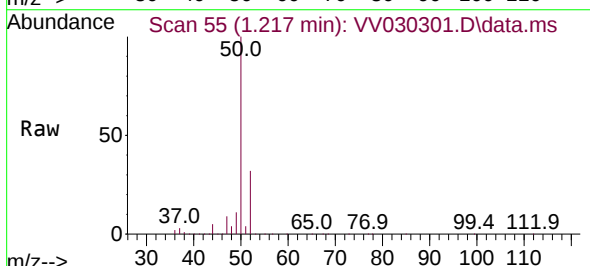
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 ClientSampleId :
 VSTD005230

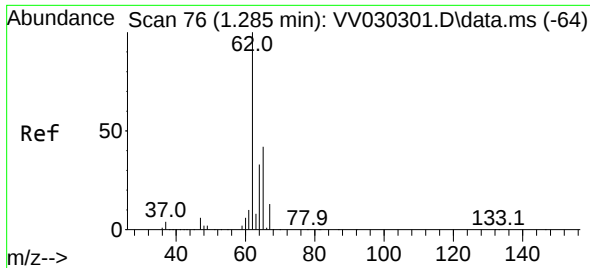
Tgt Ion: 85 Resp: 96197
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.6 38.4



#3
 Chloromethane
 Concen: 4.556 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

Tgt Ion: 50 Resp: 116209
 Ion Ratio Lower Upper
 50 100
 52 31.9 22.3 41.5

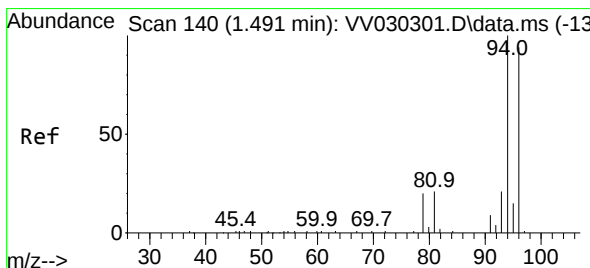
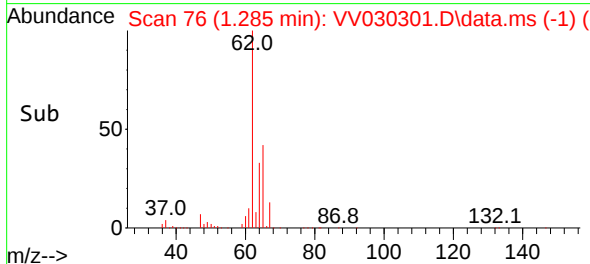
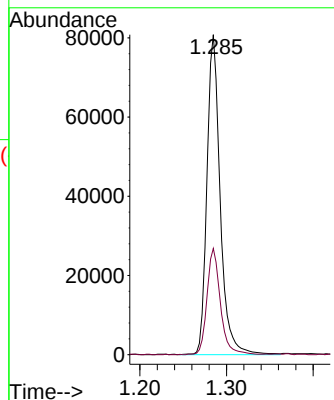
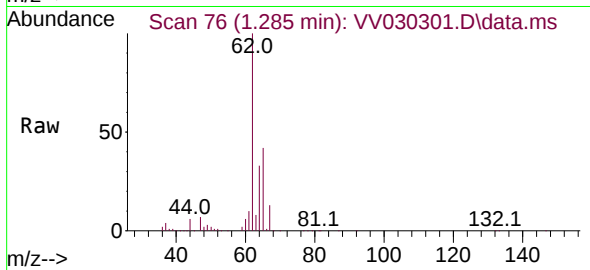




#5
 Vinyl chloride
 Concen: 4.627 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

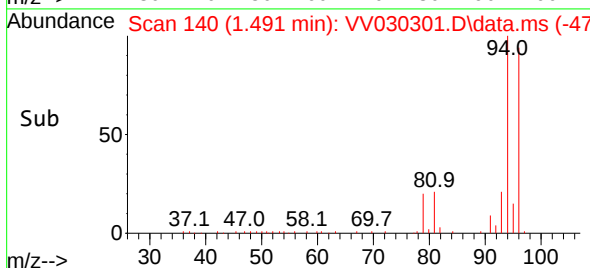
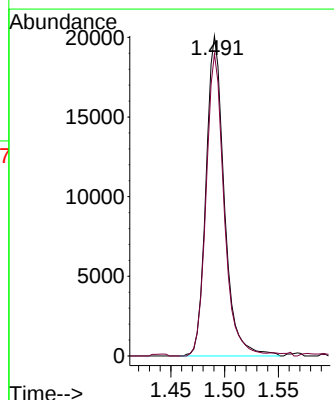
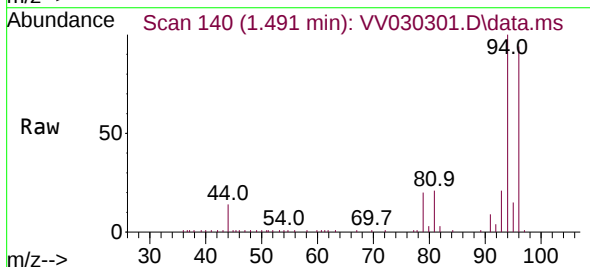
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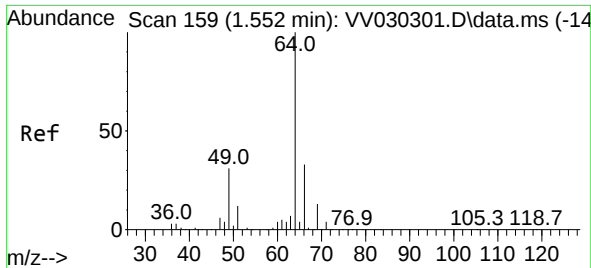
Tgt Ion: 62 Resp: 86048
 Ion Ratio Lower Upper
 62 100
 64 33.2 23.2 43.2



#6
 Bromomethane
 Concen: 4.480 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

Tgt Ion: 94 Resp: 23760
 Ion Ratio Lower Upper
 94 100
 96 94.4 66.1 122.7

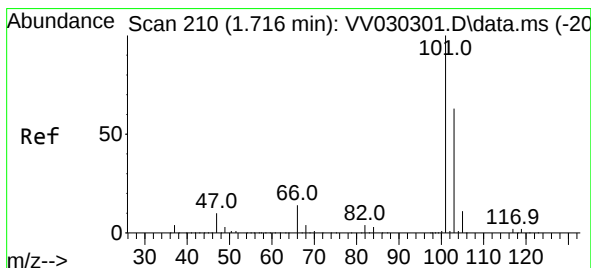
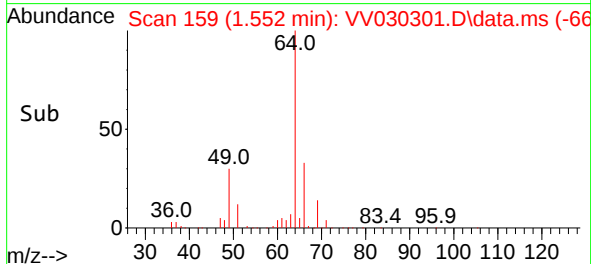
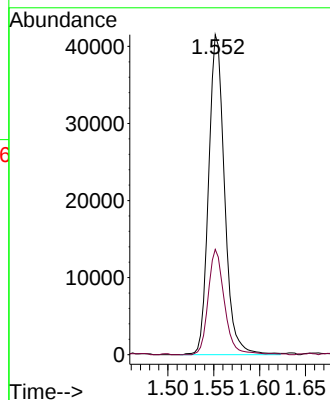
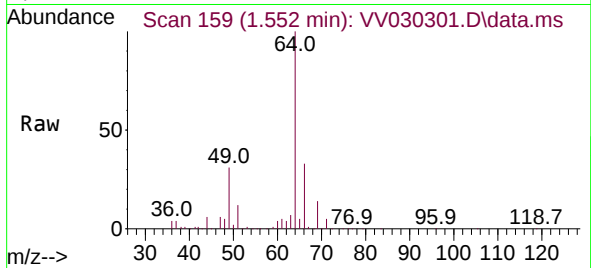




#8
Chloroethane
Concen: 4.709 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

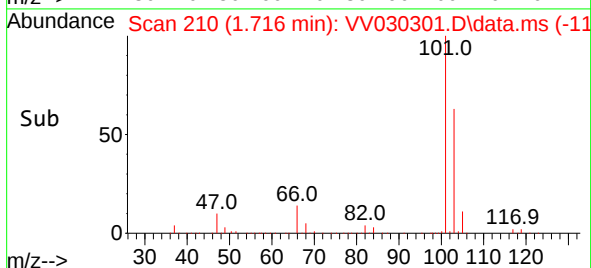
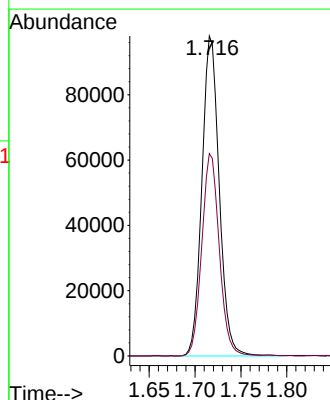
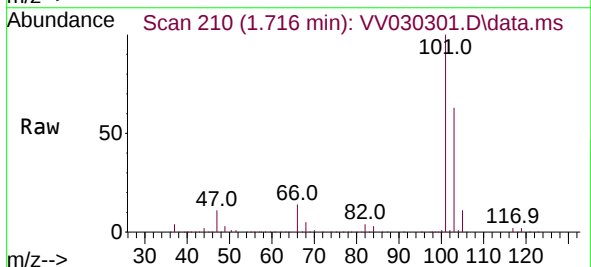
Instrument :
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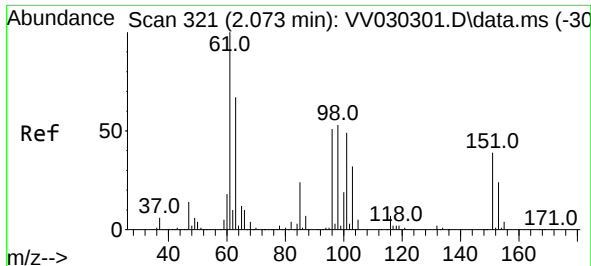
Tgt Ion: 64 Resp: 50159
Ion Ratio Lower Upper
64 100
66 32.9 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.752 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion:101 Resp: 128816
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

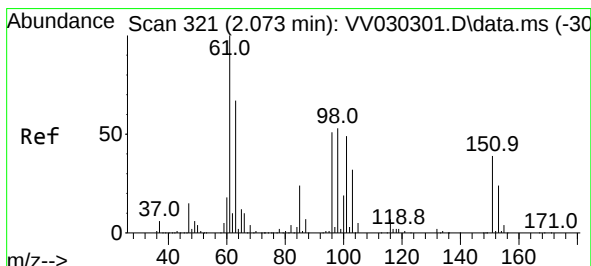
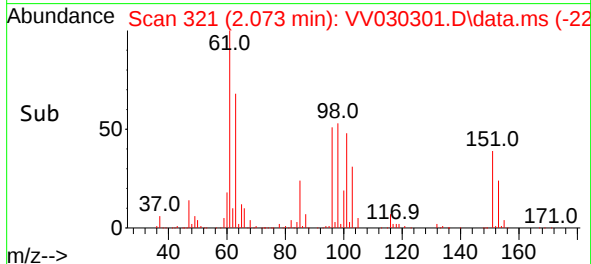
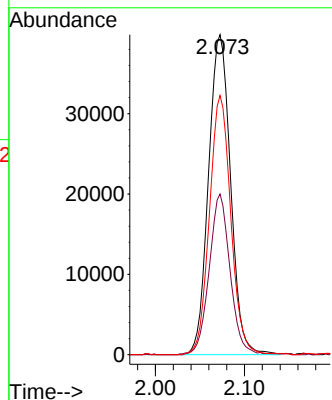
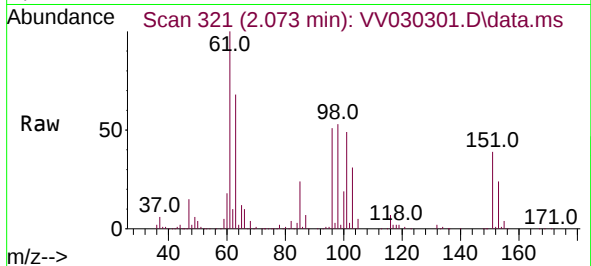




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.580 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

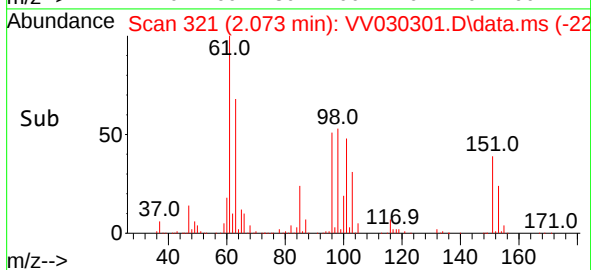
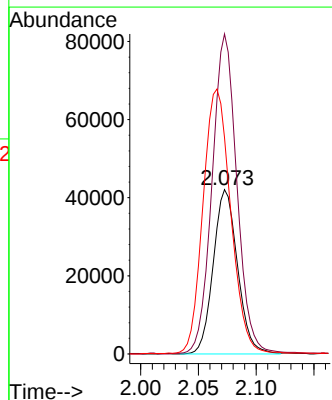
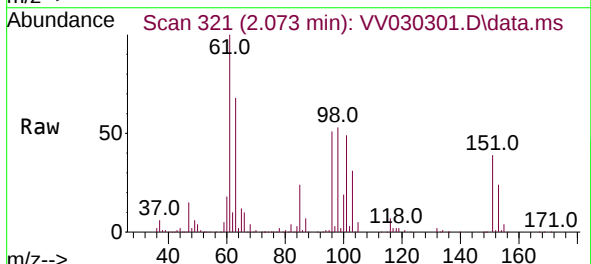
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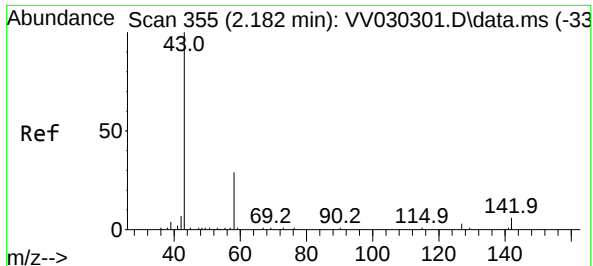
Tgt Ion:101 Resp: 68518
 Ion Ratio Lower Upper
 101 100
 85 47.6 38.1 57.1
 151 78.4 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.631 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

Tgt Ion: 96 Resp: 61525
 Ion Ratio Lower Upper
 96 100
 61 194.7 136.3 253.1
 63 131.6 92.1 171.1





#13

Acetone

Concen: 44.101 ug/L

RT: 2.182 min Scan# 355

Delta R.T. 0.000 min

Lab File: VV030301.D

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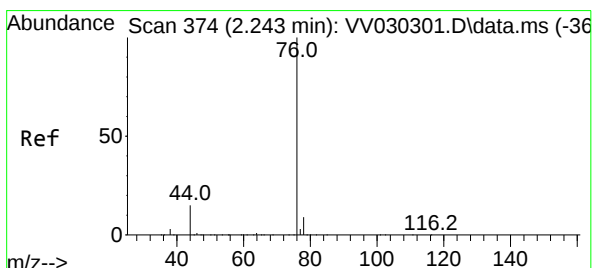
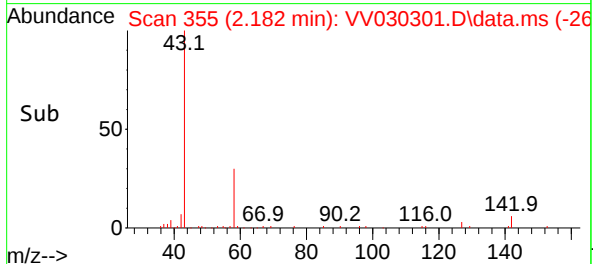
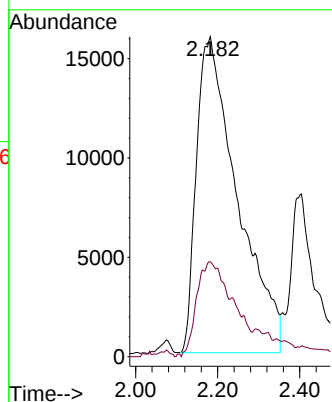
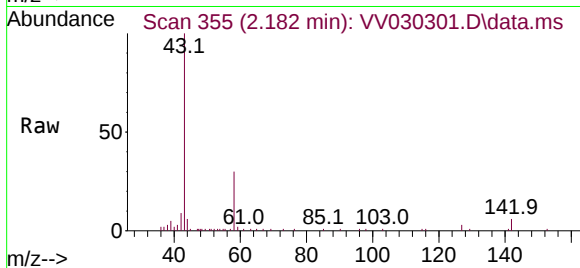
VSTD005230

Tgt Ion: 43 Resp: 110068

Ion Ratio Lower Upper

43 100

58 20.4 0.0 40.8



#14

Carbon disulfide

Concen: 4.713 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV030301.D

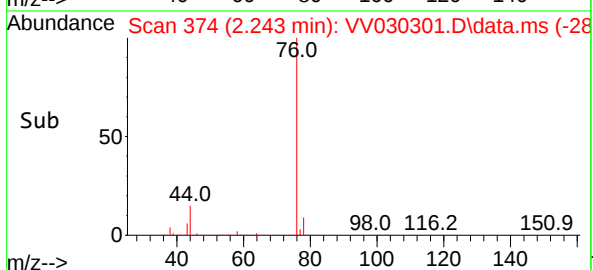
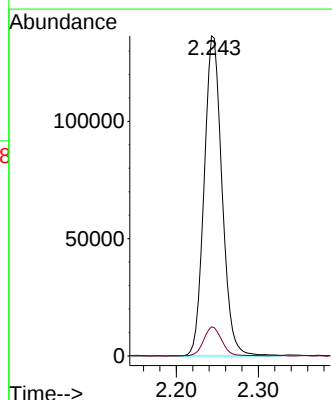
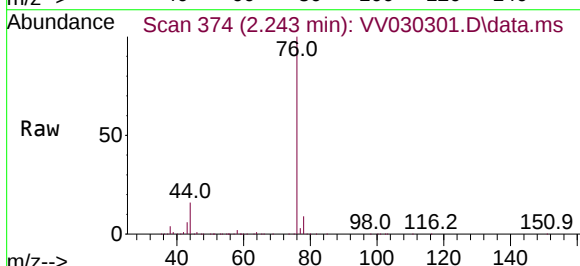
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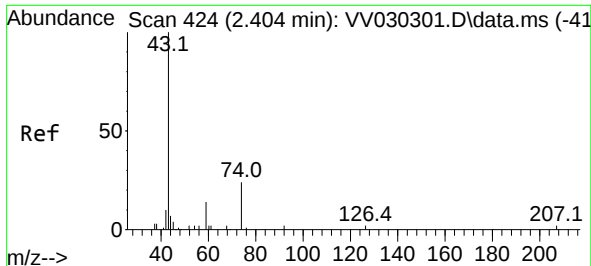
Tgt Ion: 76 Resp: 206263

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

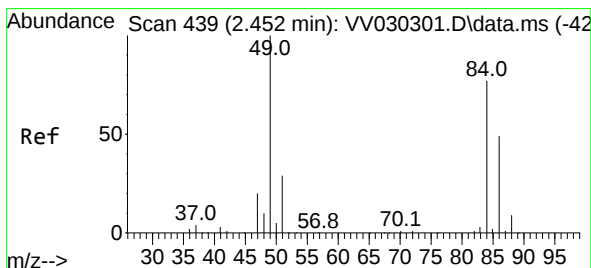
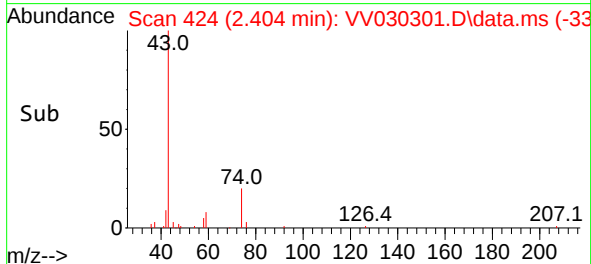
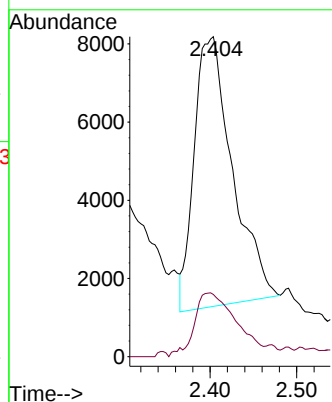
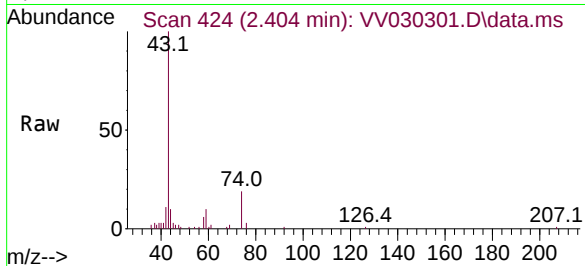




#15
Methyl Acetate
Concen: 4.938 ug/L
RT: 2.404 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

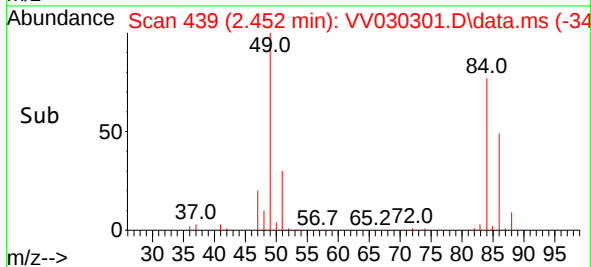
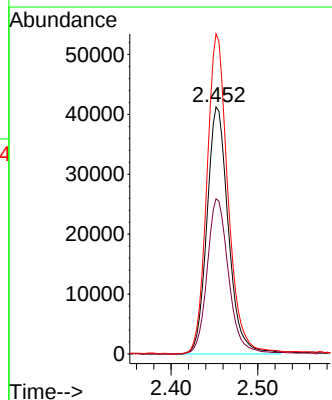
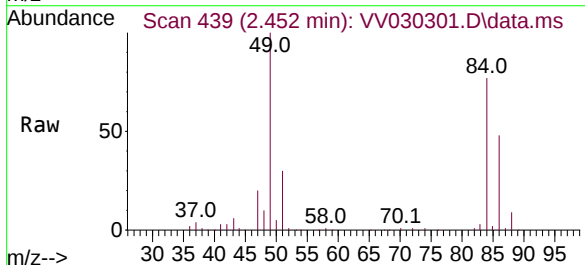
Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

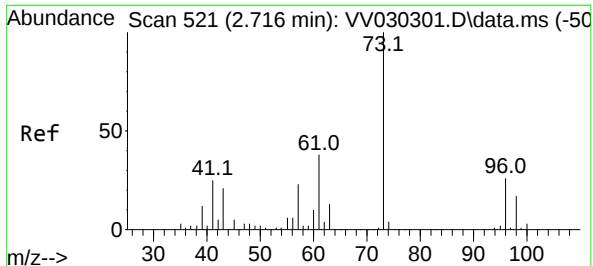
Tgt Ion: 43 Resp: 21211
Ion Ratio Lower Upper
43 100
74 25.8 22.1 33.1



#16
Methylene chloride
Concen: 4.505 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 84 Resp: 70798
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.6
49 129.5 90.6 168.3





#17

Methyl tert-butyl Ether

Concen: 4.571 ug/L

RT: 2.716 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005230

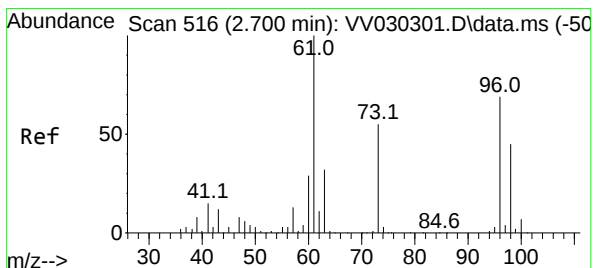
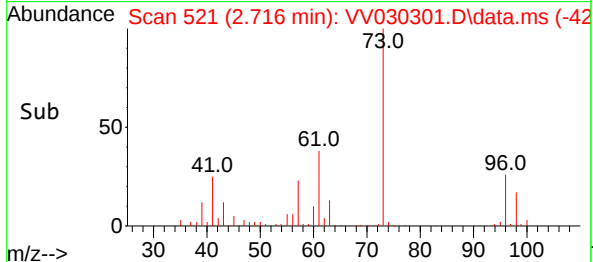
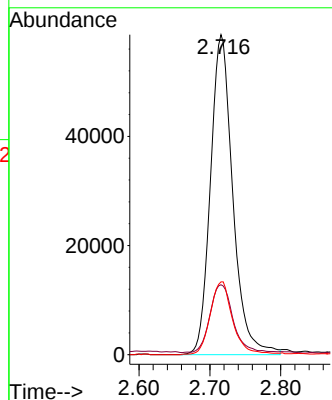
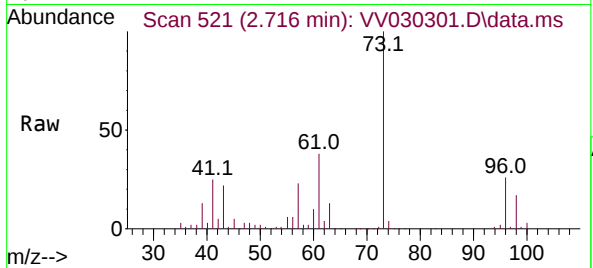
Tgt Ion: 73 Resp: 128613

Ion Ratio Lower Upper

73 100

43 21.8 17.4 26.2

57 22.9 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 4.642 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

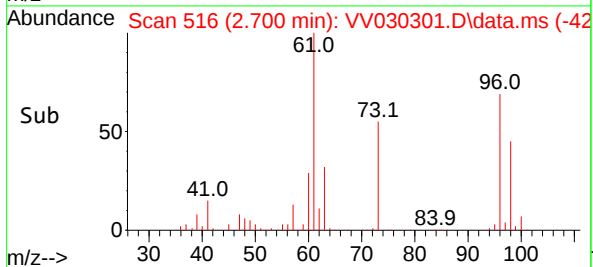
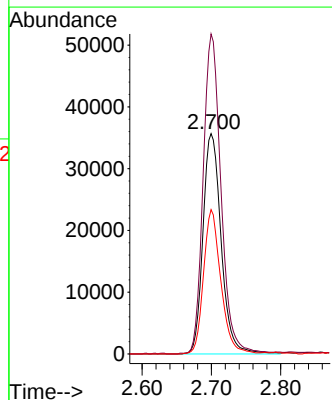
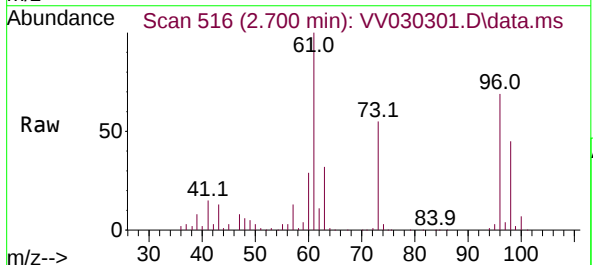
Tgt Ion: 96 Resp: 64974

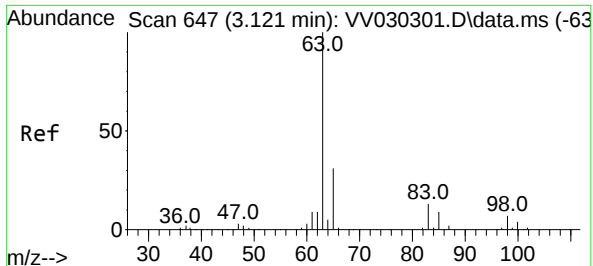
Ion Ratio Lower Upper

96 100

61 145.3 101.7 188.9

98 65.5 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.700 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005230

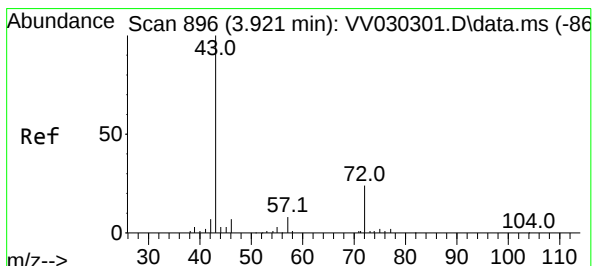
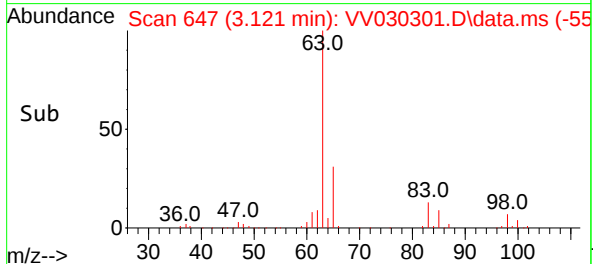
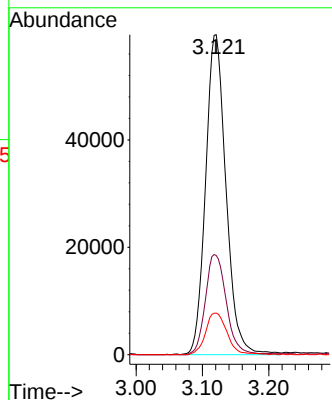
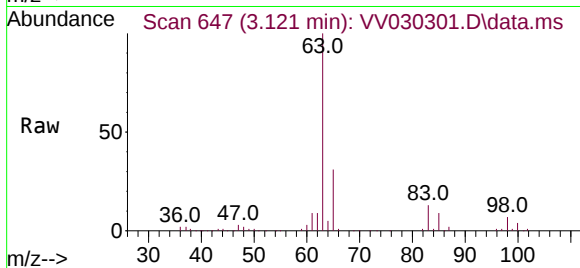
Tgt Ion: 63 Resp: 127523

Ion Ratio Lower Upper

63 100

65 31.0 21.7 40.3

83 13.0 9.1 16.9



#21

2-Butanone

Concen: 45.692 ug/L

RT: 3.921 min Scan# 896

Delta R.T. 0.000 min

Lab File: VV030301.D

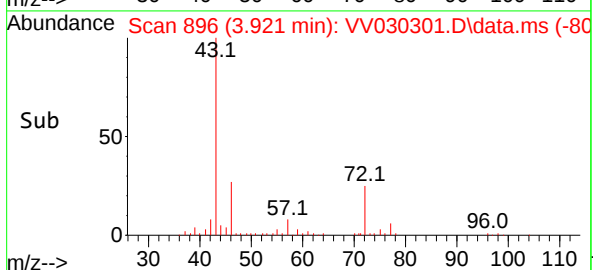
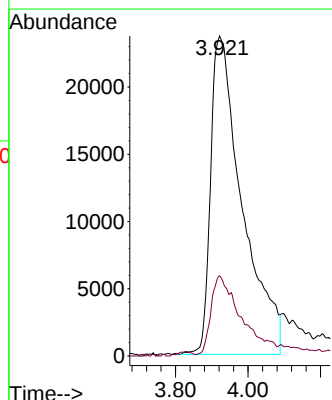
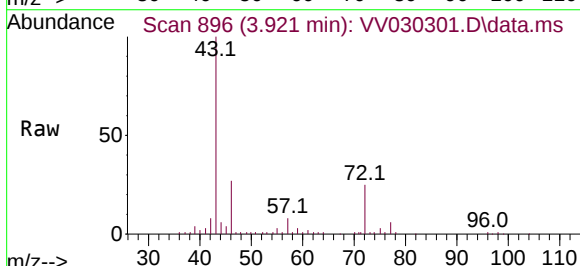
Acq: 23 Mar 2023 10:33

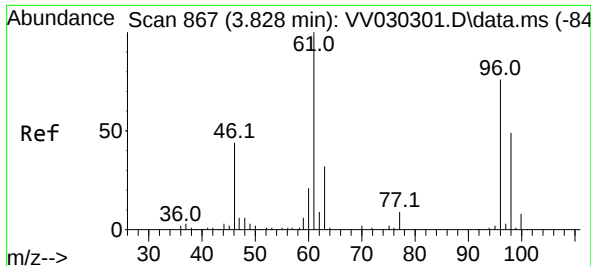
Tgt Ion: 43 Resp: 143139

Ion Ratio Lower Upper

43 100

72 22.3 11.2 33.5



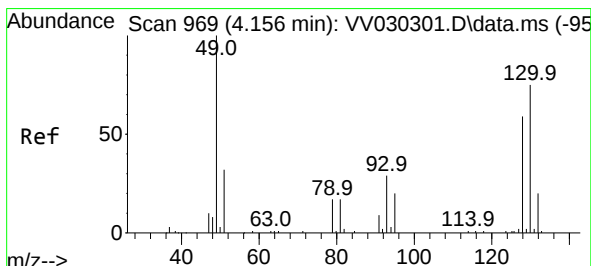
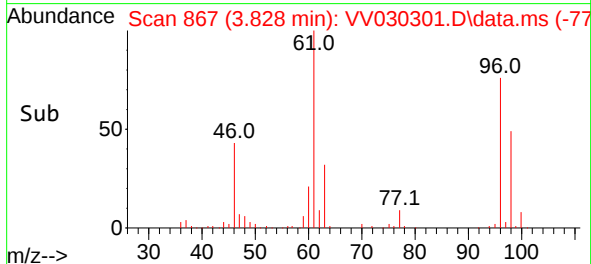
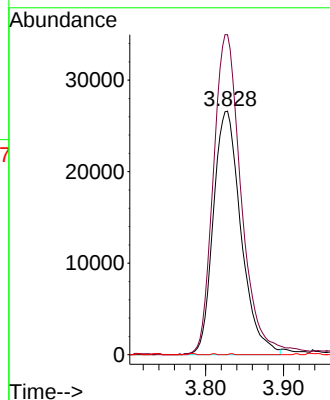
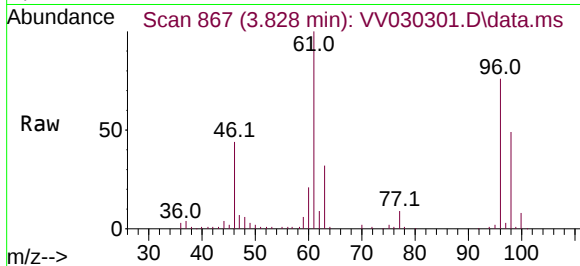


#22
 cis-1,2-Dichloroethene
 Concen: 4.675 ug/L
 RT: 3.828 min Scan# 867
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005230

Tgt Ion: 96 Resp: 65672

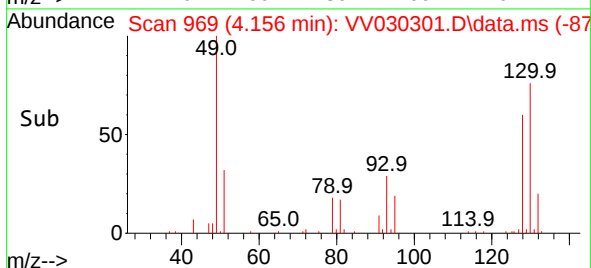
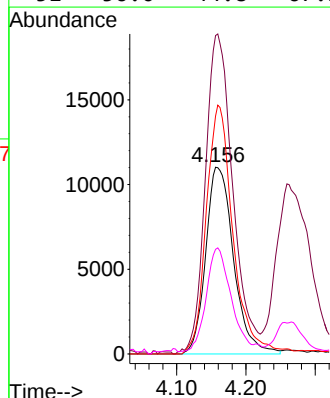
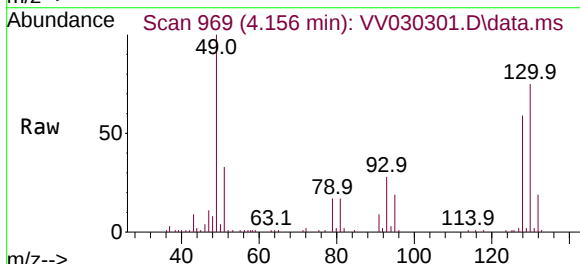
Ion	Ratio	Lower	Upper
96	100		
61	131.4	92.0	170.8
68	0.0	0.0	0.0

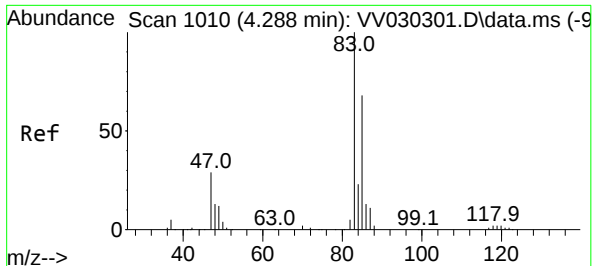


#23
 Bromochloromethane
 Concen: 4.689 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

Tgt Ion: 128 Resp: 30759

Ion	Ratio	Lower	Upper
128	100		
49	170.6	119.4	221.8
130	127.5	89.2	165.8
51	56.0	44.8	67.2





#25

Chloroform

Concen: 4.747 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

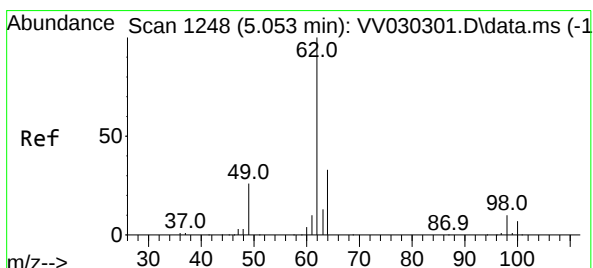
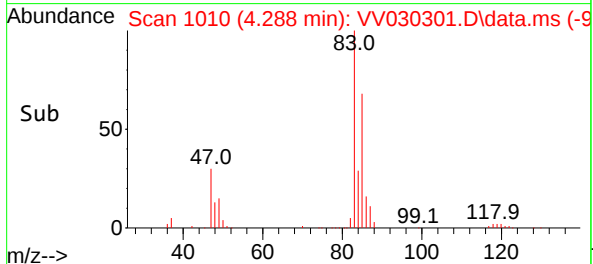
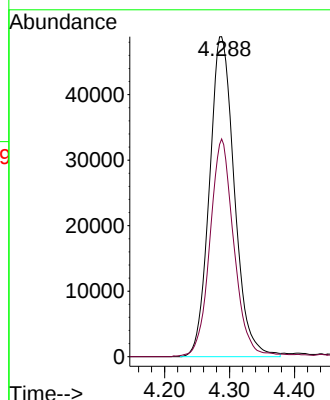
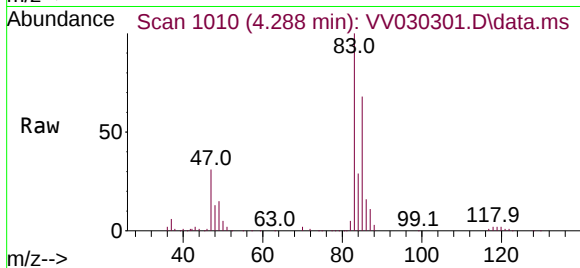
VSTD005230

Tgt Ion: 83 Resp: 130155

Ion Ratio Lower Upper

83 100

85 68.0 47.6 88.4



#27

1,2-Dichloroethane

Concen: 4.623 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VV030301.D

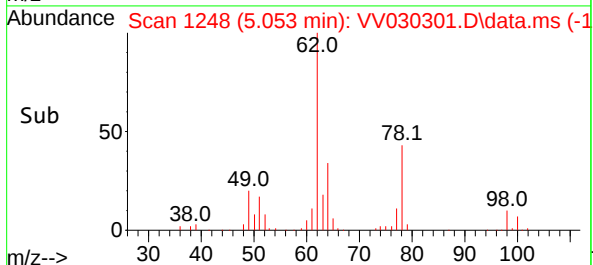
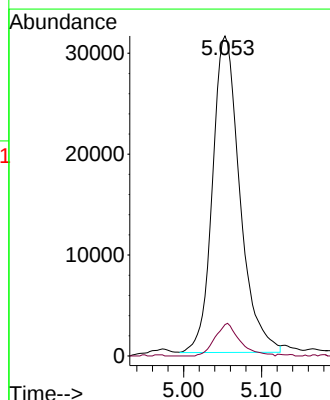
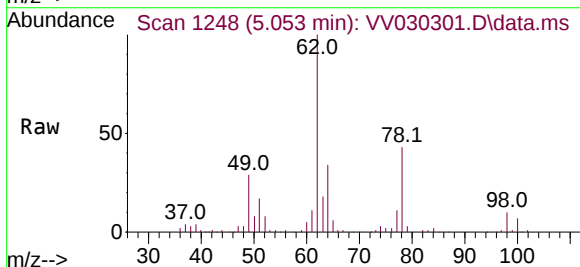
Acq: 23 Mar 2023 10:33

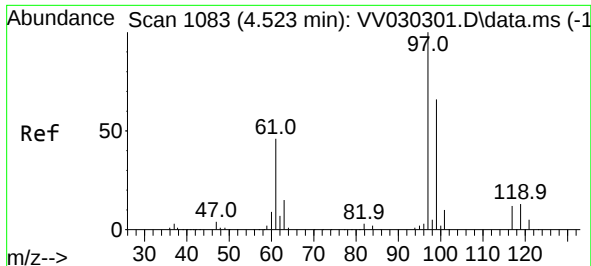
Tgt Ion: 62 Resp: 76648

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.827 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005230

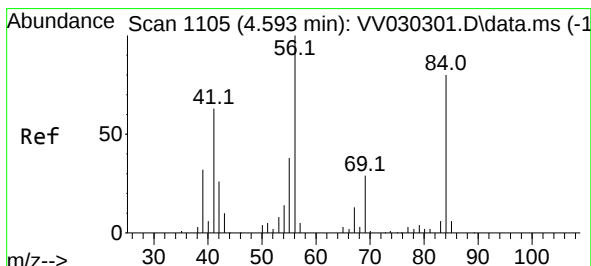
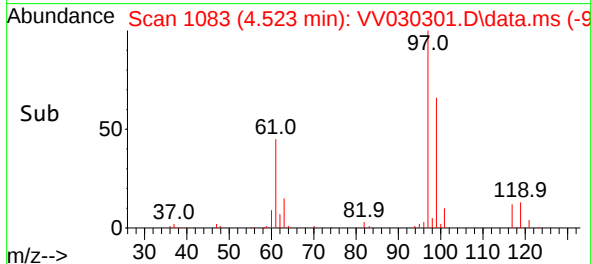
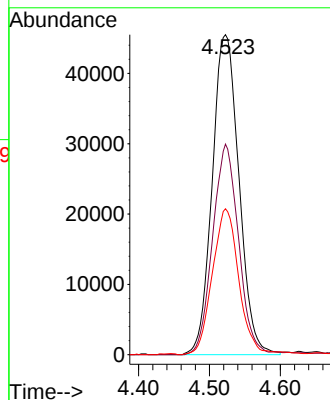
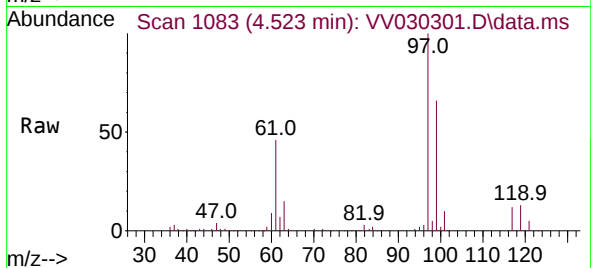
Tgt Ion: 97 Resp: 119370

Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 44.9 35.9 53.9



#30

Cyclohexane

Concen: 4.854 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

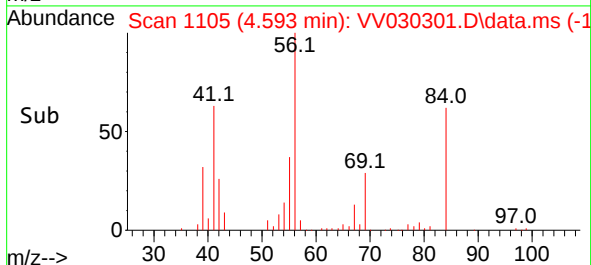
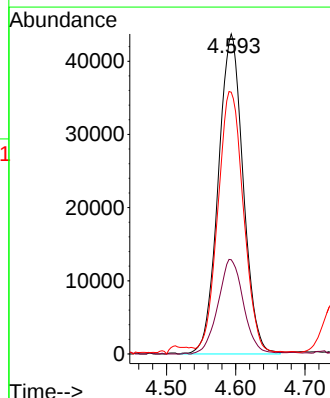
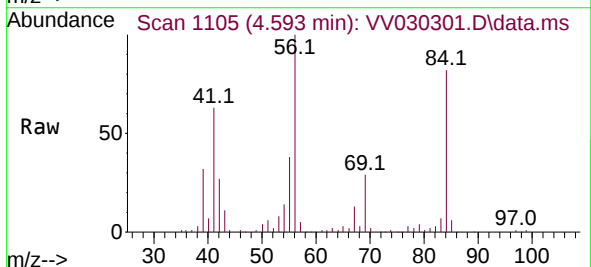
Tgt Ion: 56 Resp: 109353

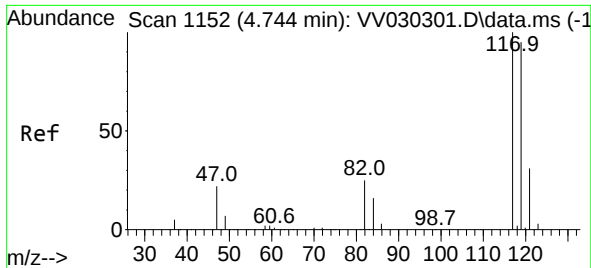
Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

84 83.3 66.6 100.0

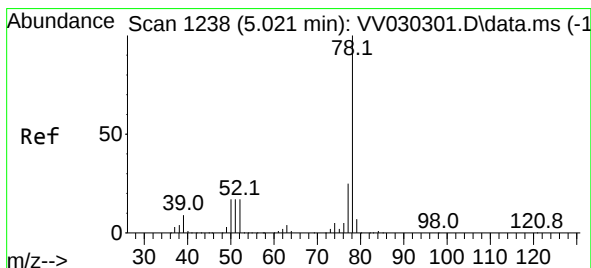
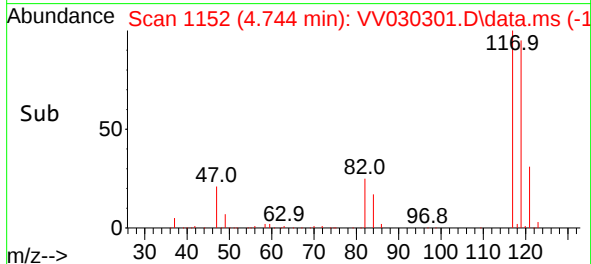
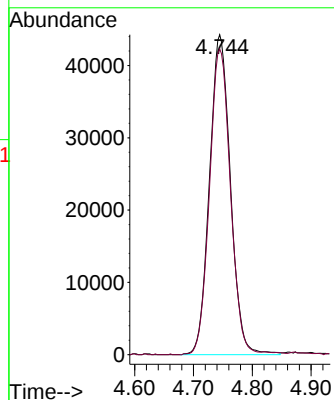
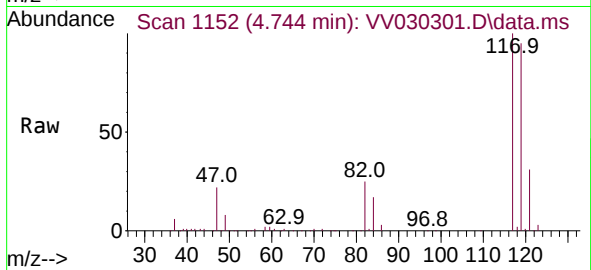




#31
Carbon tetrachloride
Concen: 4.874 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

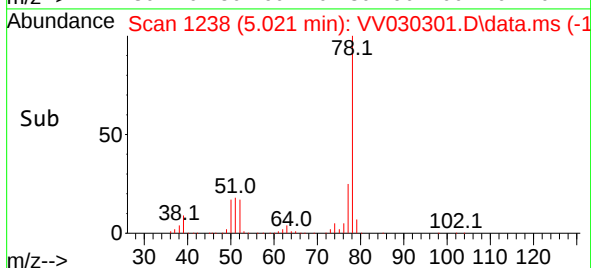
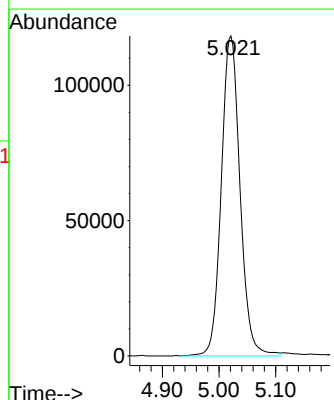
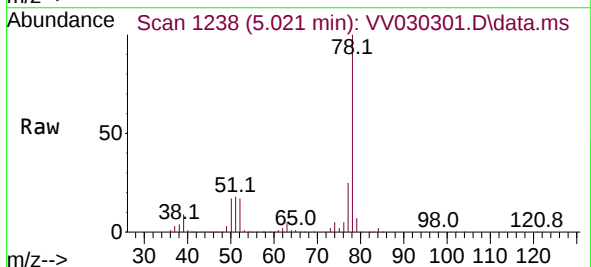
Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

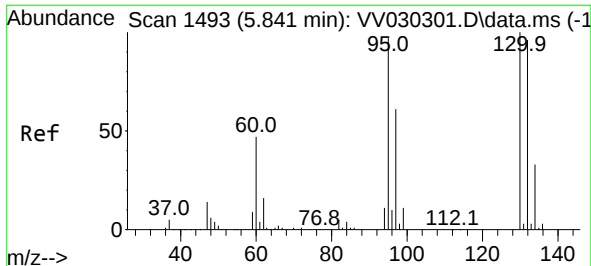
Tgt Ion:117 Resp: 109363
Ion Ratio Lower Upper
117 100
119 95.3 76.2 114.4



#33
Benzene
Concen: 4.972 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 78 Resp: 271710

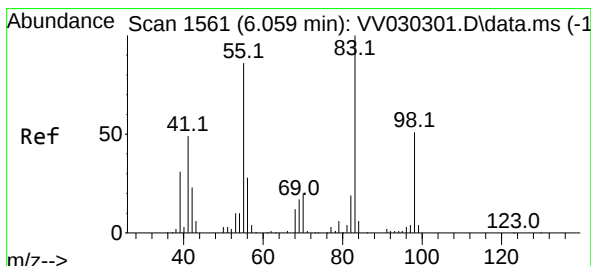
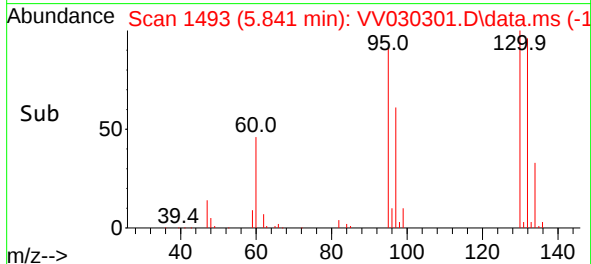
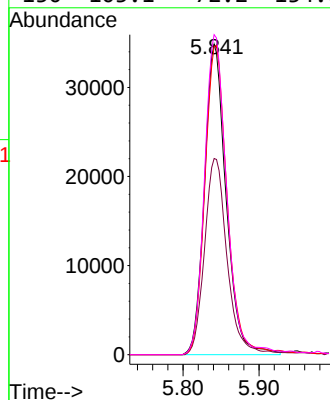
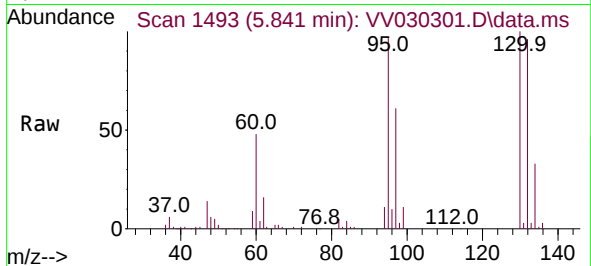




#34
Trichloroethene
Concen: 4.690 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

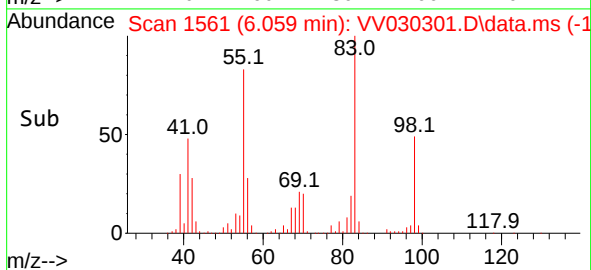
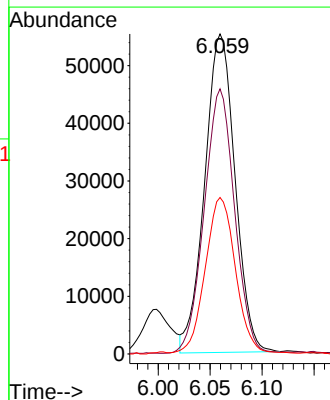
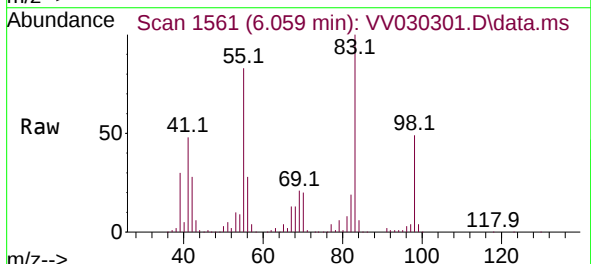
Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

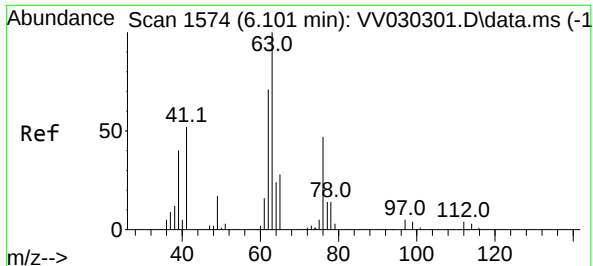
Tgt Ion: 95 Resp: 69117
Ion Ratio Lower Upper
95 100
97 63.2 44.2 82.2
132 99.3 69.5 129.1
130 103.1 72.2 134.0



#35
Methylcyclohexane
Concen: 4.853 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 83 Resp: 112262
Ion Ratio Lower Upper
83 100
55 83.3 66.6 100.0
98 48.3 38.6 58.0





#37

1,2-Dichloropropane

Concen: 5.036 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

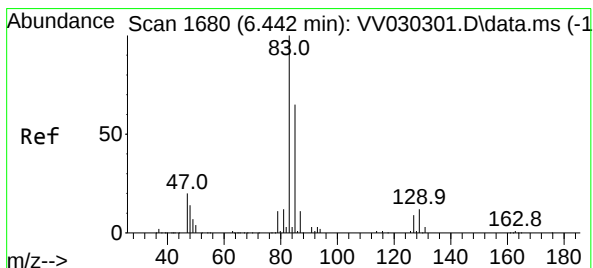
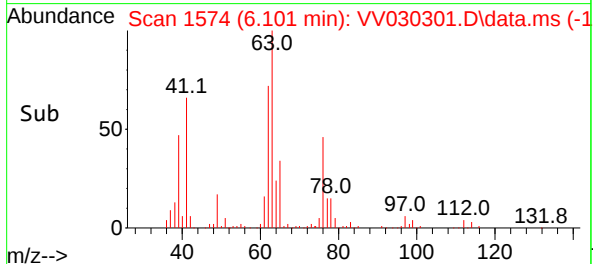
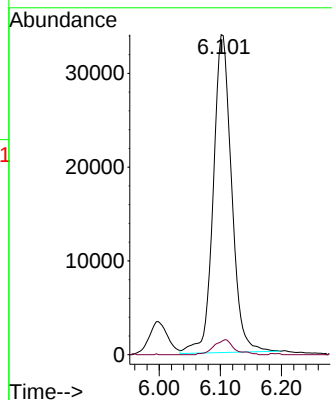
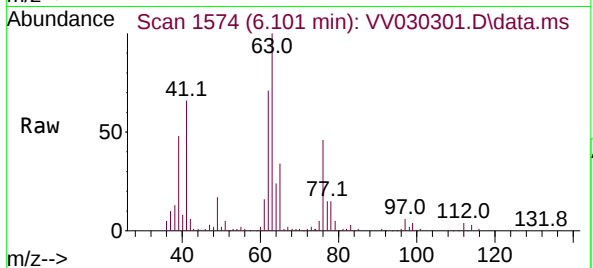
VSTD005230

Tgt Ion: 63 Resp: 70641

Ion Ratio Lower Upper

63 100

112 4.9 3.9 5.9



#38

Bromodichloromethane

Concen: 4.835 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

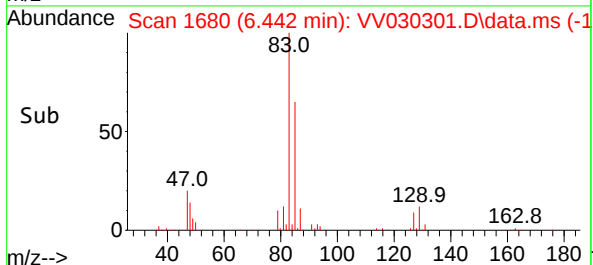
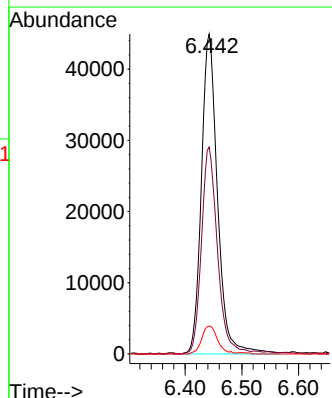
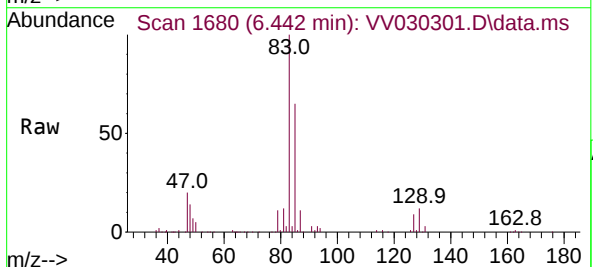
Tgt Ion: 83 Resp: 88821

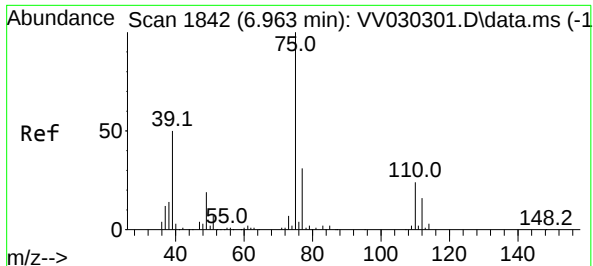
Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.725 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

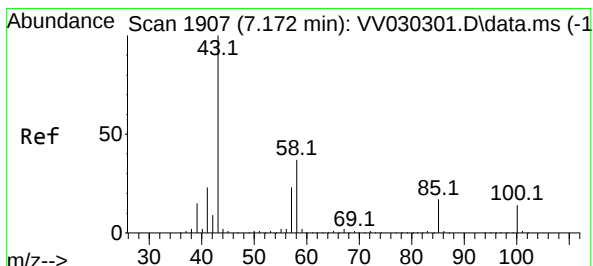
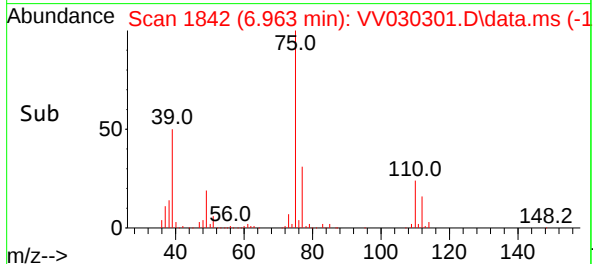
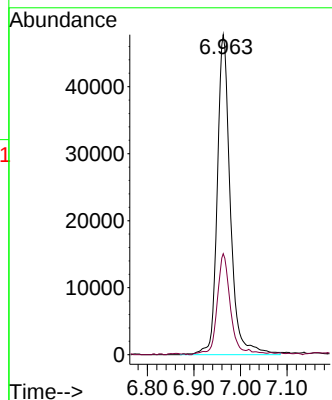
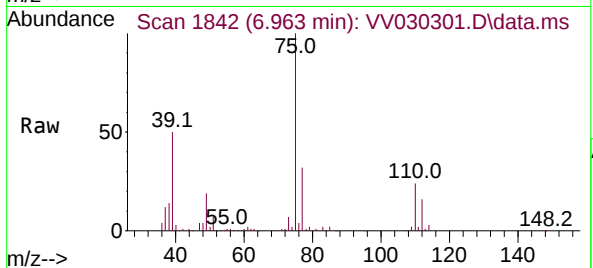
VSTD005230

Tgt Ion: 75 Resp: 93208

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 49.753 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

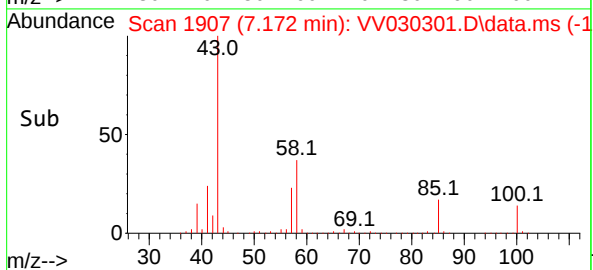
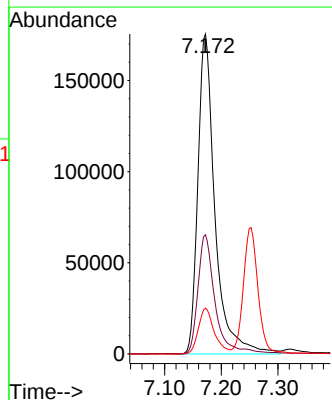
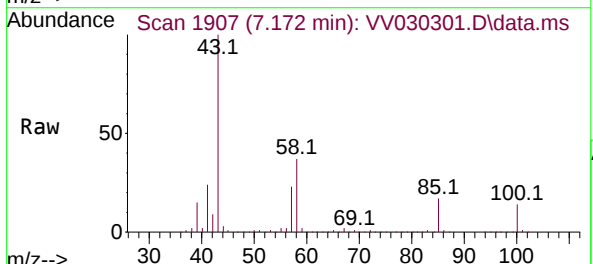
Tgt Ion: 43 Resp: 367788

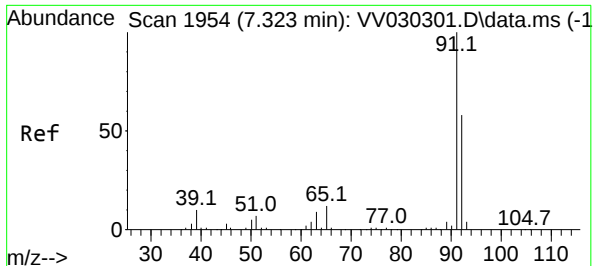
Ion Ratio Lower Upper

43 100

58 36.0 28.8 43.2

100 13.4 10.7 16.1





#42

Toluene

Concen: 5.111 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

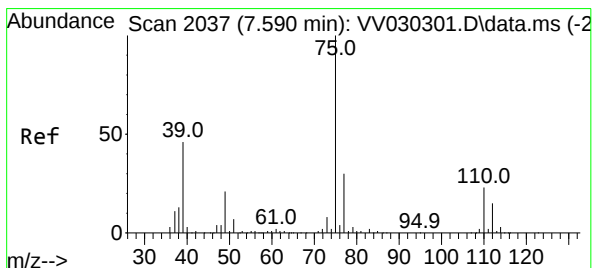
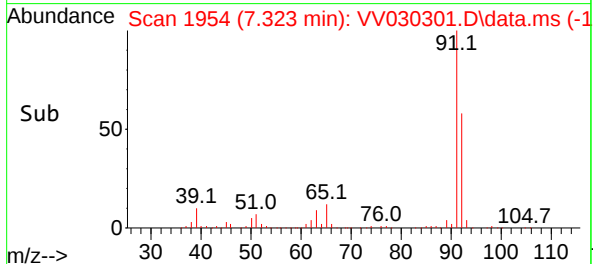
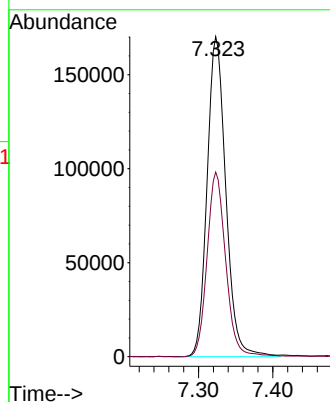
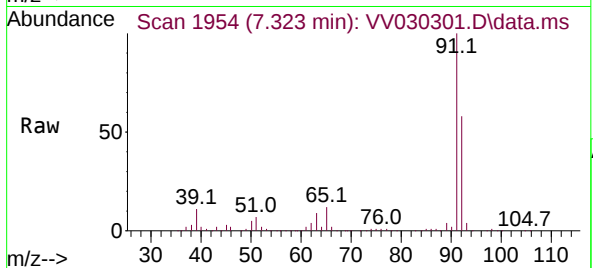
VSTD005230

Tgt Ion: 91 Resp: 297450

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.835 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030301.D

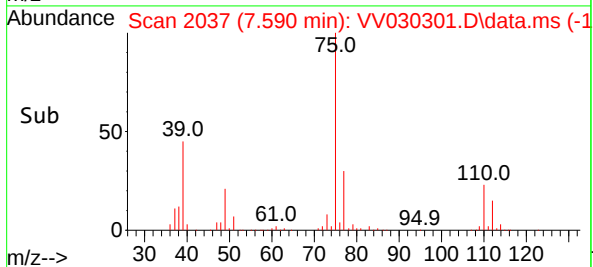
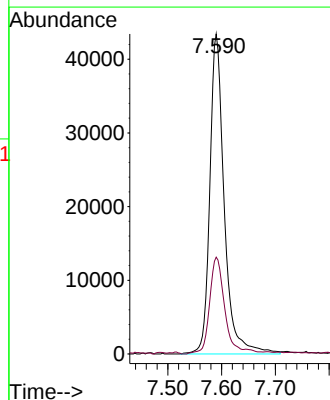
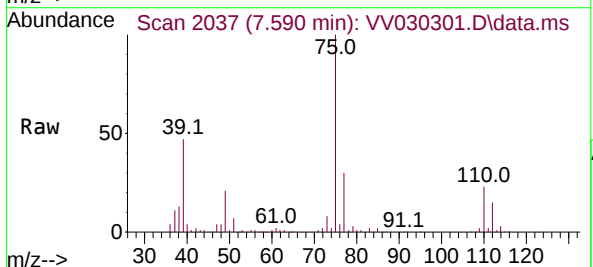
Acq: 23 Mar 2023 10:33

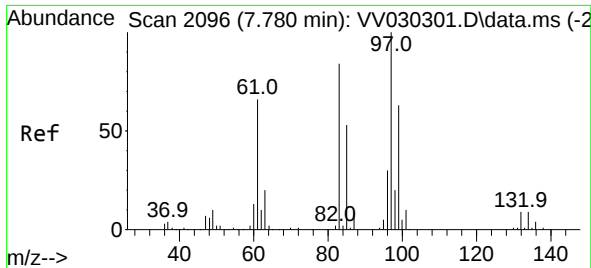
Tgt Ion: 75 Resp: 81162

Ion Ratio Lower Upper

75 100

77 30.3 21.2 39.4



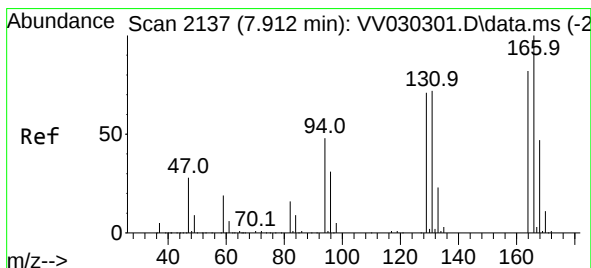
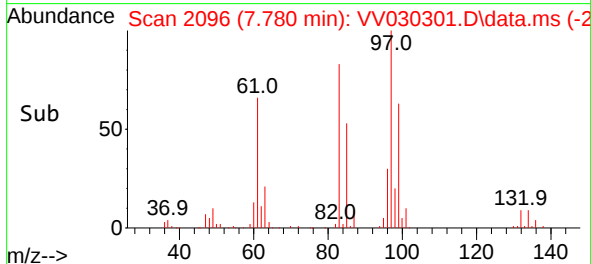
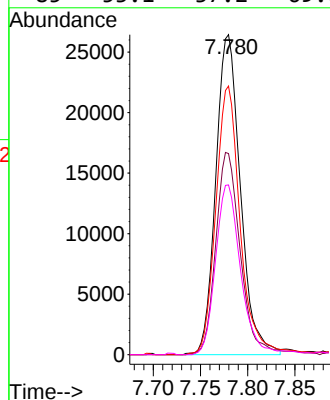
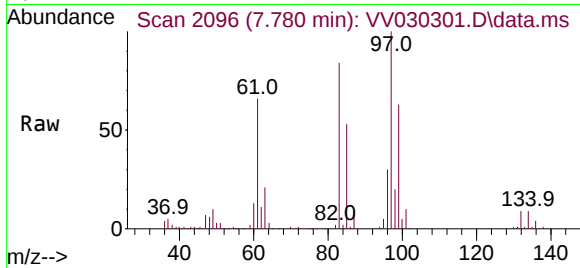


#45
1,1,2-Trichloroethane
Concen: 4.841 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

Tgt Ion: 97 Resp: 47821

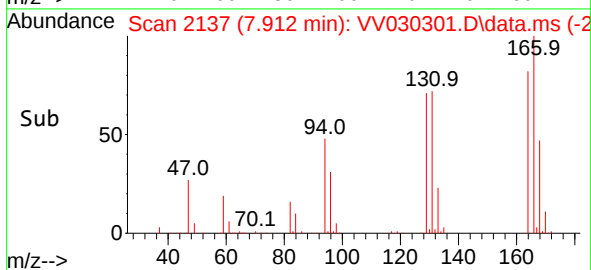
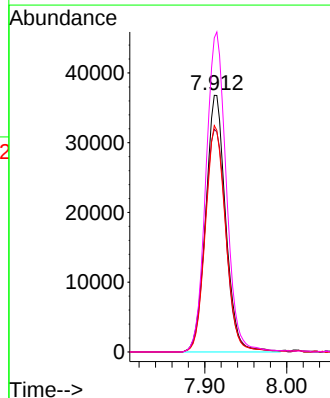
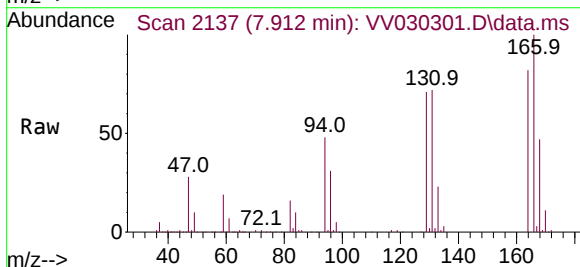
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.8
83	84.0	58.8	109.2
85	53.1	37.2	69.0

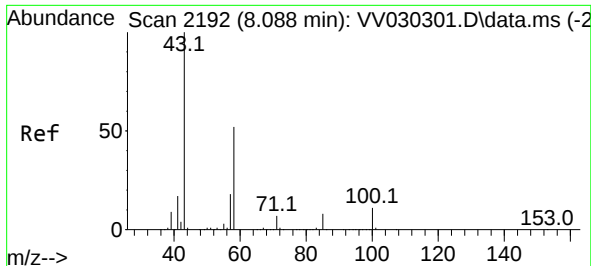


#47
Tetrachloroethene
Concen: 4.797 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 164 Resp: 62387

Ion	Ratio	Lower	Upper
164	100		
129	86.8	60.8	112.8
131	88.2	61.7	114.7
166	122.3	85.6	159.0



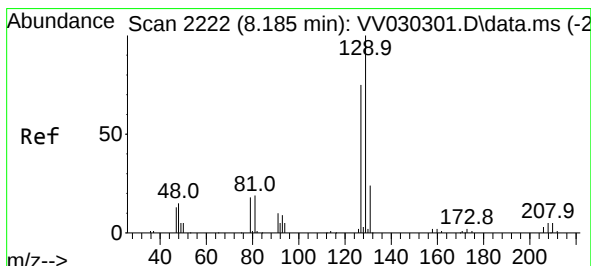
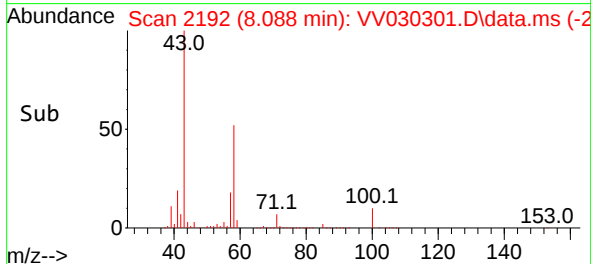
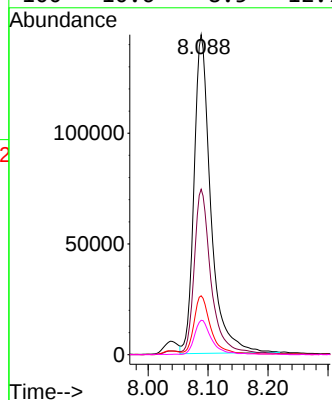
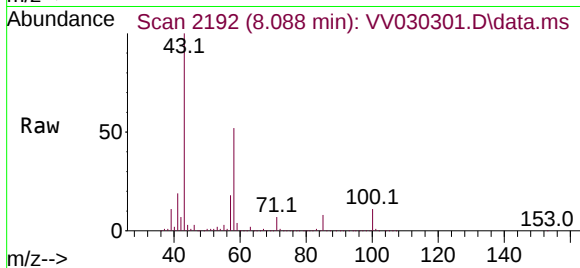


#48
2-Hexanone
Concen: 50.619 ug/L
RT: 8.088 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

Tgt Ion: 43 Resp: 280419

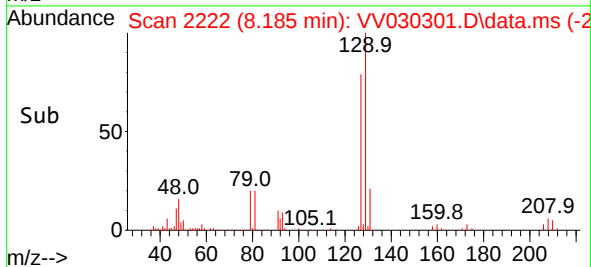
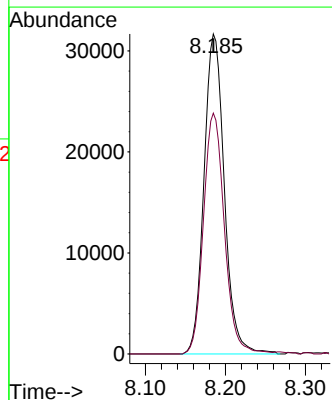
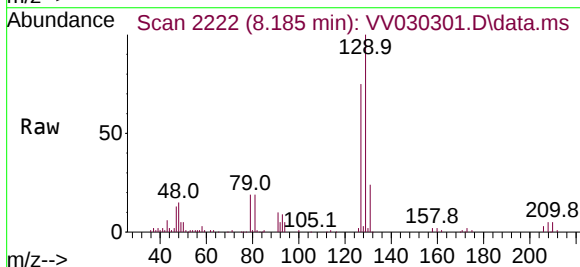
Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.3	60.5
57	18.3	14.6	22.0
100	10.6	8.5	12.7

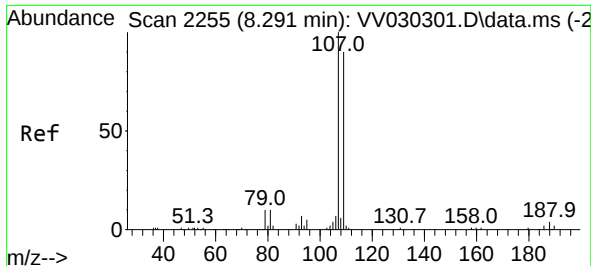


#49
Dibromochloromethane
Concen: 4.772 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 129 Resp: 56114

Ion	Ratio	Lower	Upper
129	100		
127	75.3	52.7	97.9





#50

1,2-Dibromoethane

Concen: 4.853 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005230

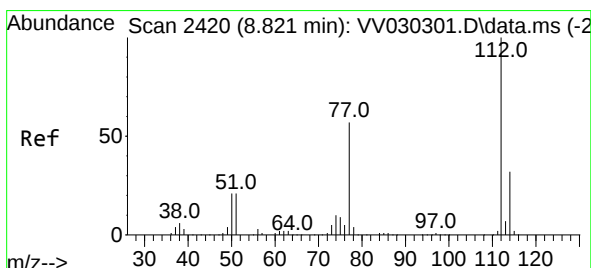
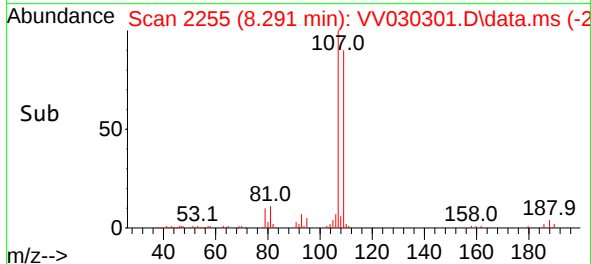
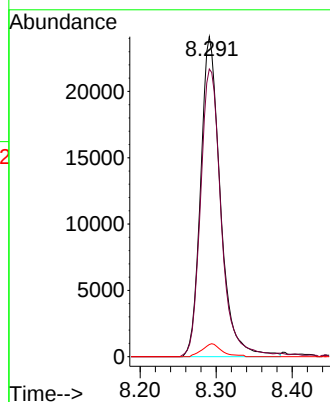
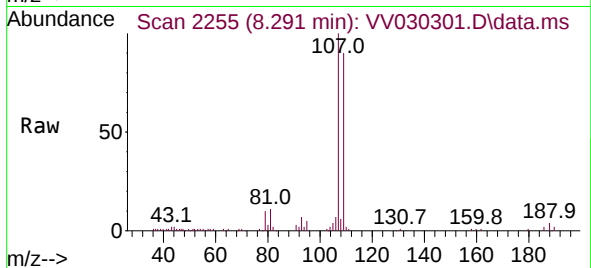
Tgt Ion:107 Resp: 43614

Ion Ratio Lower Upper

107 100

109 89.9 62.9 116.9

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 4.976 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

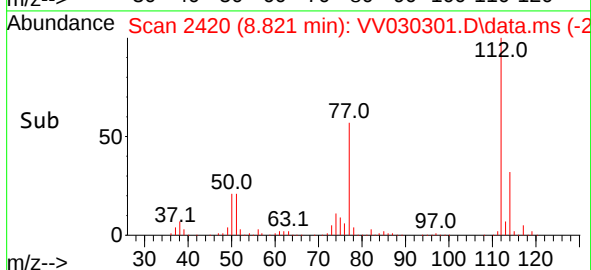
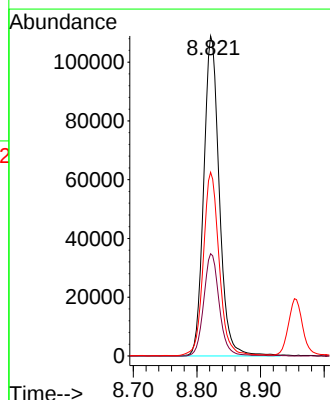
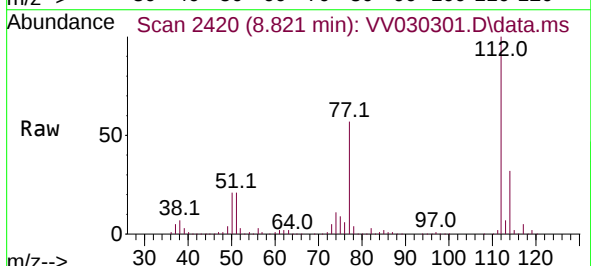
Tgt Ion:112 Resp: 185434

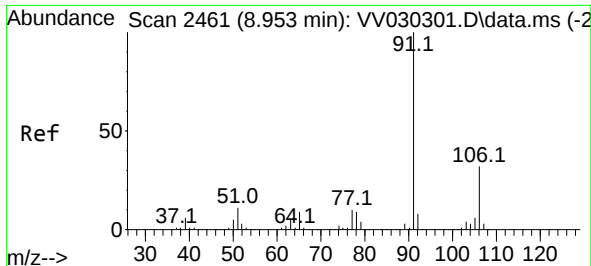
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 57.4 45.9 68.9

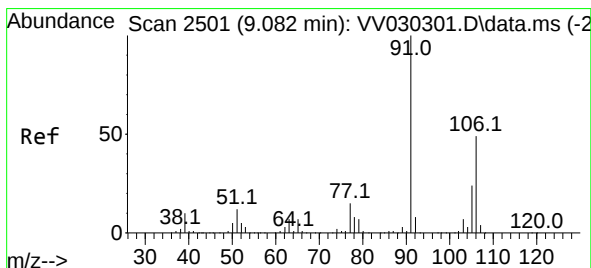
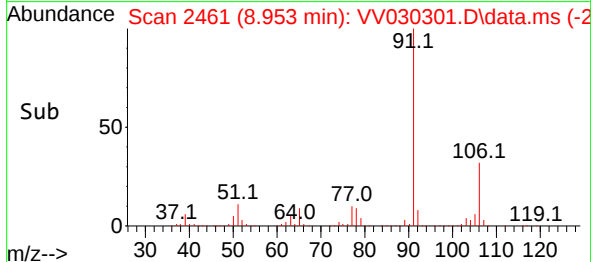
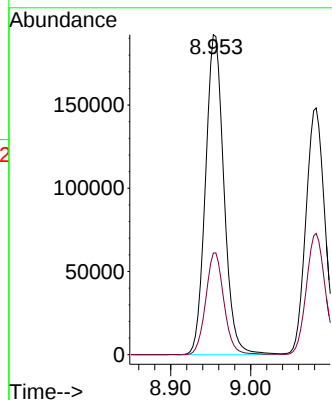
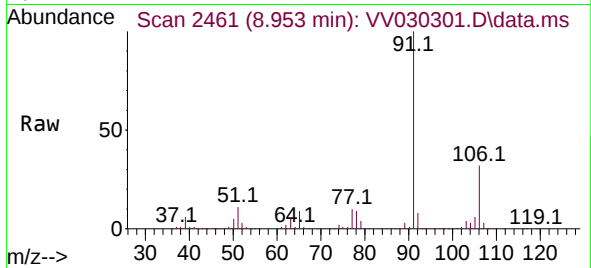




#52
Ethylbenzene
Concen: 4.858 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

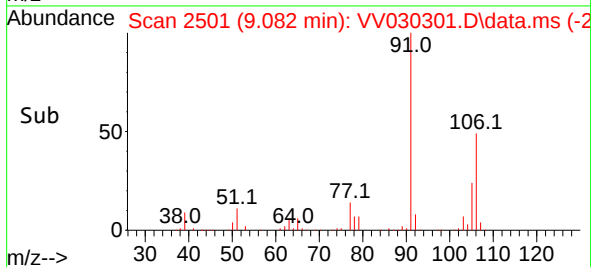
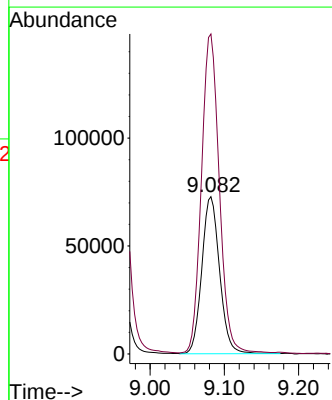
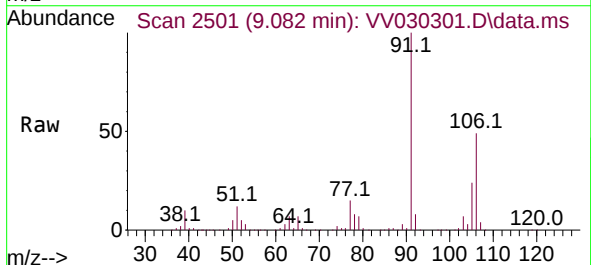
Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

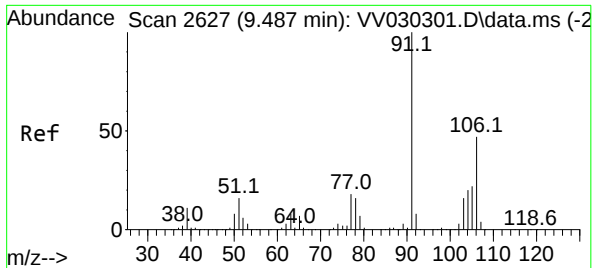
Tgt Ion: 91 Resp: 309378
Ion Ratio Lower Upper
91 100
106 31.7 22.2 41.2



#53
m,p-Xylene
Concen: 4.951 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 106 Resp: 120679
Ion Ratio Lower Upper
106 100
91 203.4 142.4 264.4

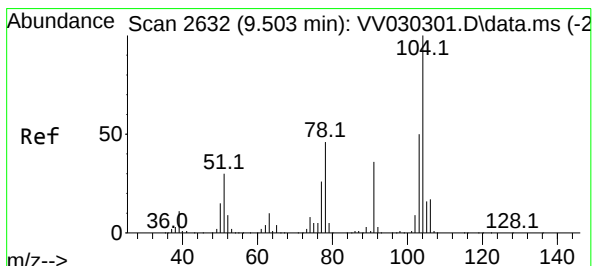
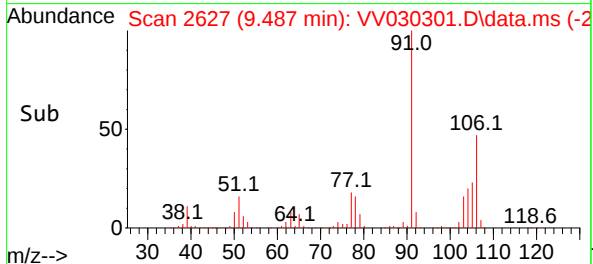
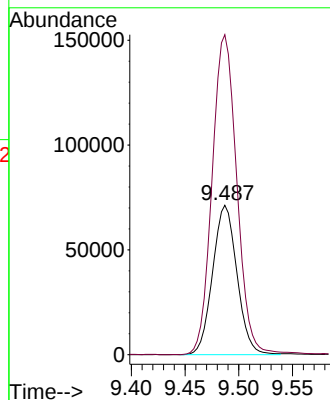
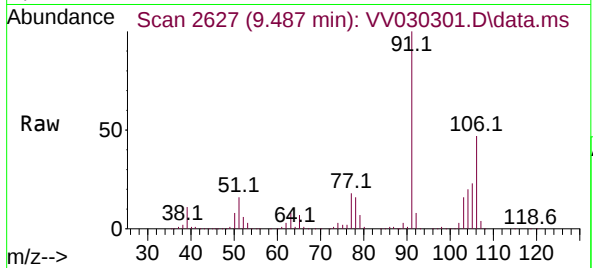




#54
o-Xylene
Concen: 4.821 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

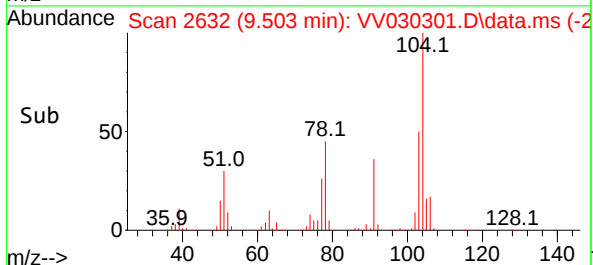
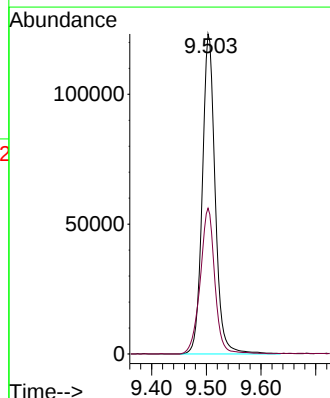
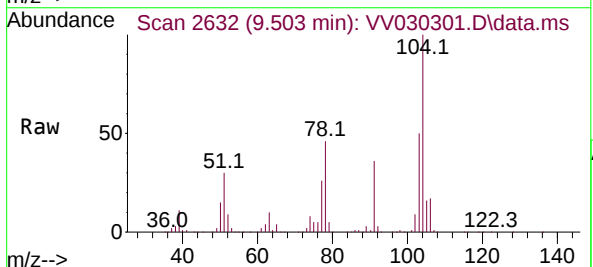
Instrument : MSVOA_V
ClientSampleId : VSTD005230

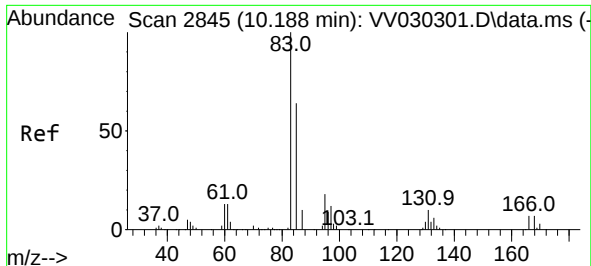
Tgt Ion:106 Resp: 112454
Ion Ratio Lower Upper
106 100
91 214.0 149.8 278.2



#55
Styrene
Concen: 5.097 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion:104 Resp: 201927
Ion Ratio Lower Upper
104 100
78 45.5 31.9 59.2

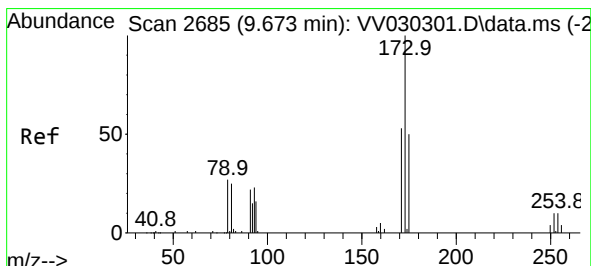
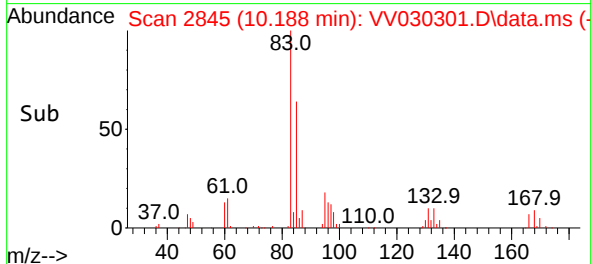
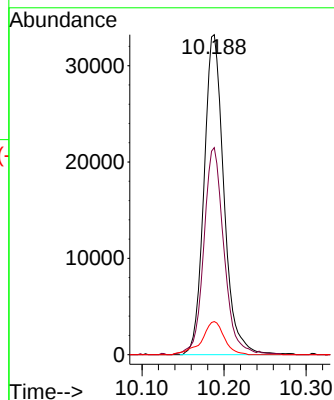
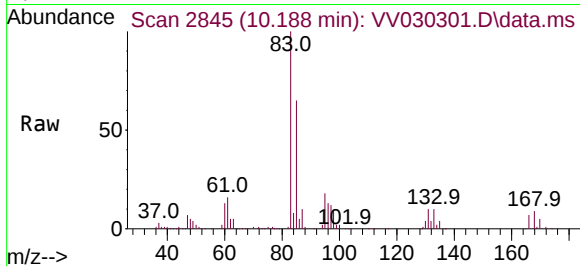




#57
1,1,2,2-Tetrachloroethane
Concen: 4.764 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

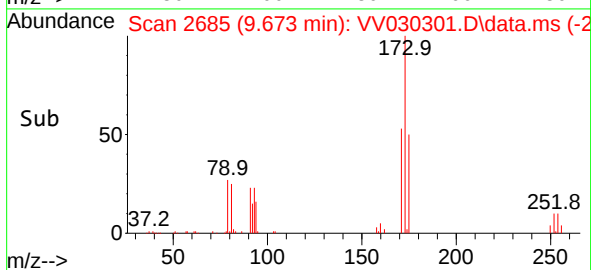
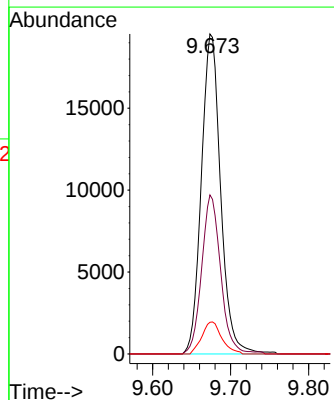
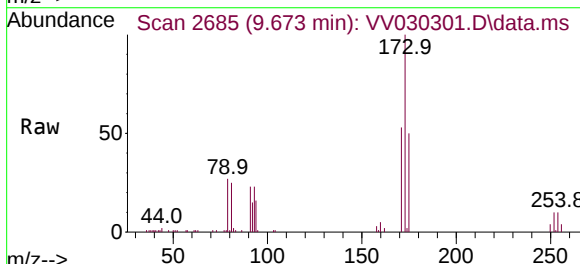
Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

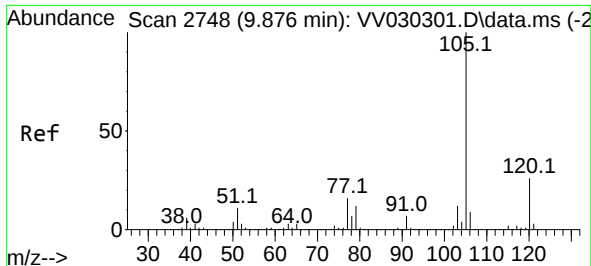
Tgt Ion: 83 Resp: 55857
Ion Ratio Lower Upper
83 100
85 64.7 45.3 84.1
131 10.3 8.2 12.4



#59
Bromoform
Concen: 4.662 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 173 Resp: 33617
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.4
254 10.3 8.2 12.4

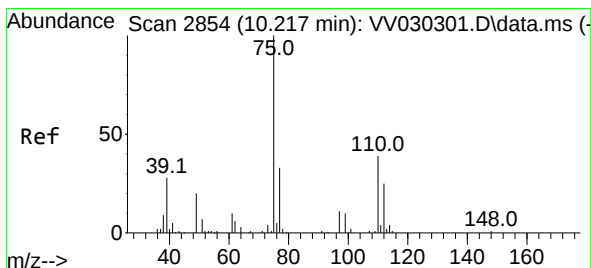
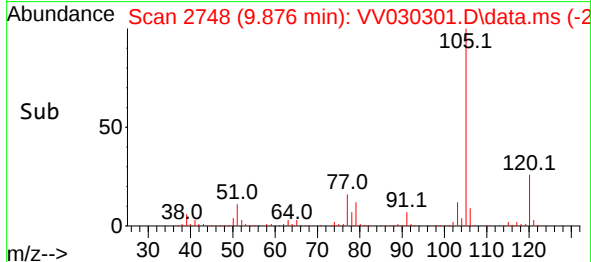
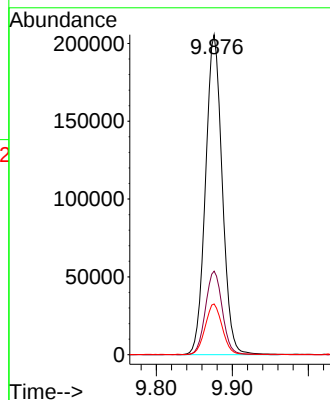
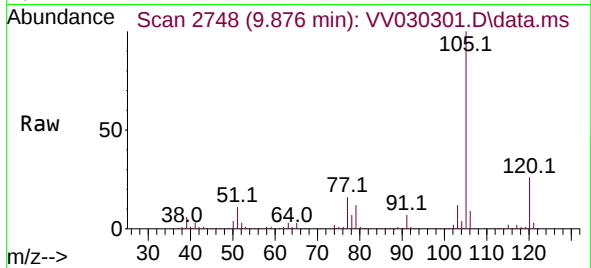




#60
Isopropylbenzene
Concen: 4.773 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

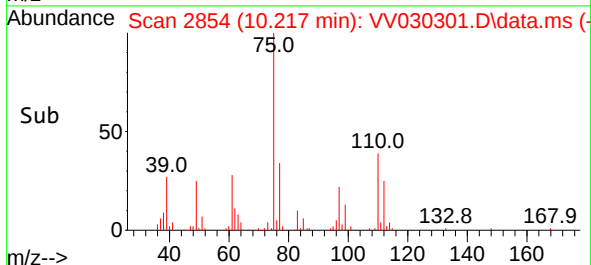
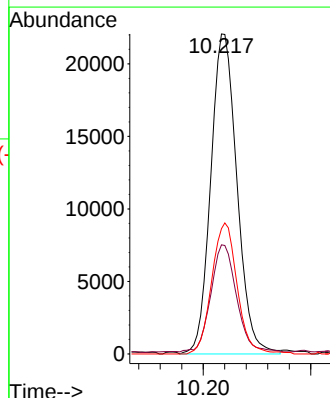
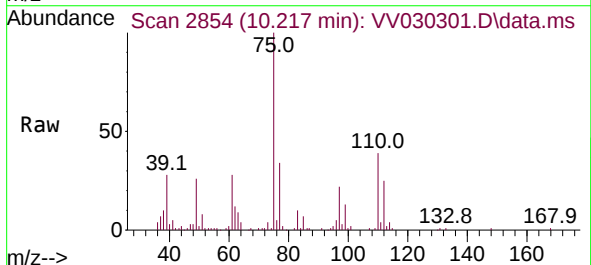
Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

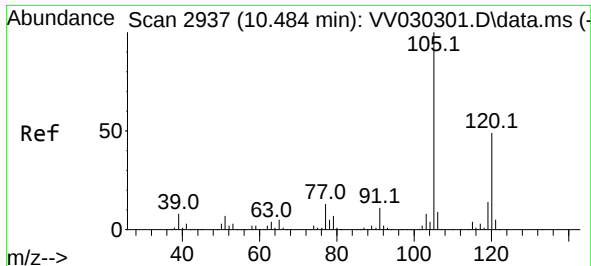
Tgt Ion:105 Resp: 314001
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 16.1 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 4.685 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion: 75 Resp: 37373
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0
110 39.5 31.6 47.4





#62

1,3,5-Trimethylbenzene

Concen: 4.732 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

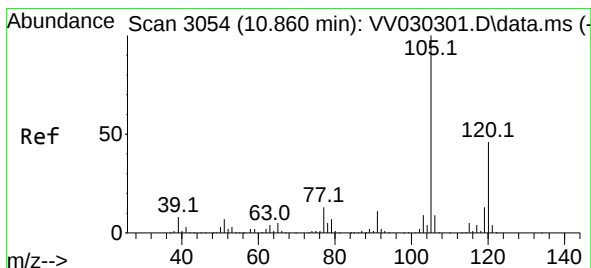
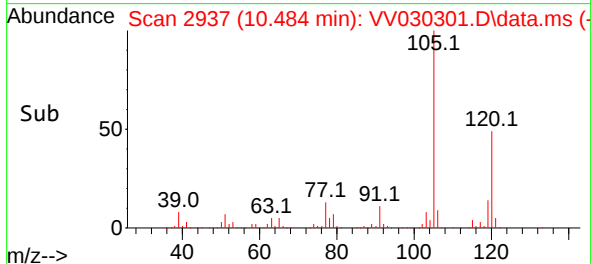
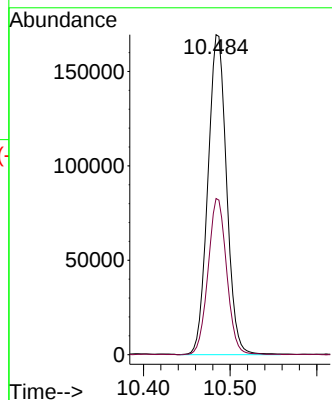
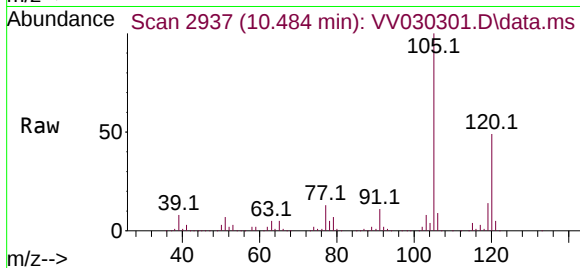
VSTD005230

Tgt Ion:105 Resp: 254052

Ion Ratio Lower Upper

105 100

120 48.6 38.9 58.3



#63

1,2,4-Trimethylbenzene

Concen: 4.803 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030301.D

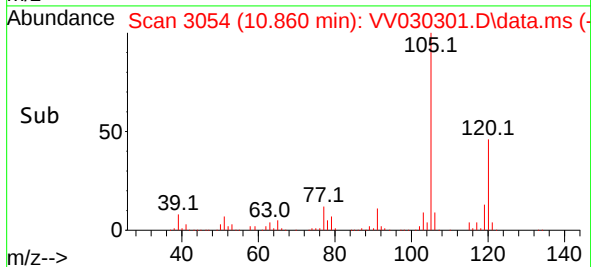
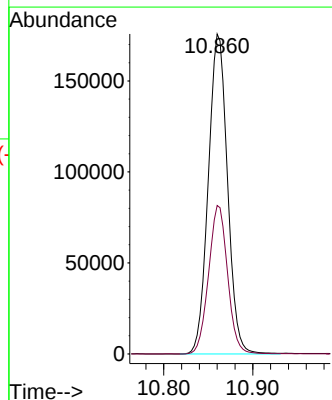
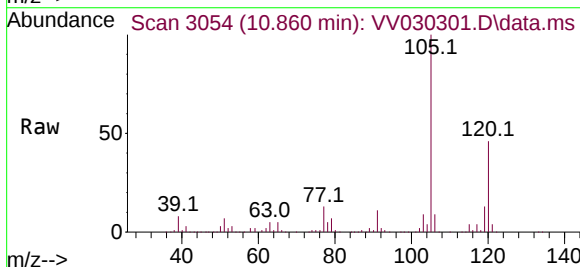
Acq: 23 Mar 2023 10:33

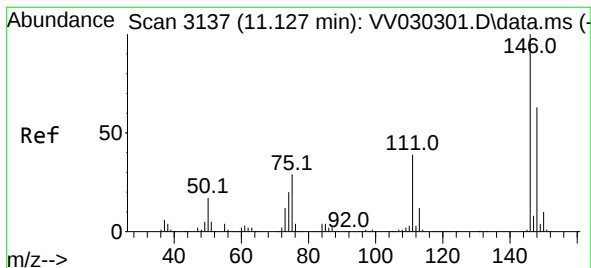
Tgt Ion:105 Resp: 262773

Ion Ratio Lower Upper

105 100

120 46.0 36.8 55.2





#64

1,3-Dichlorobenzene

Concen: 4.853 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005230

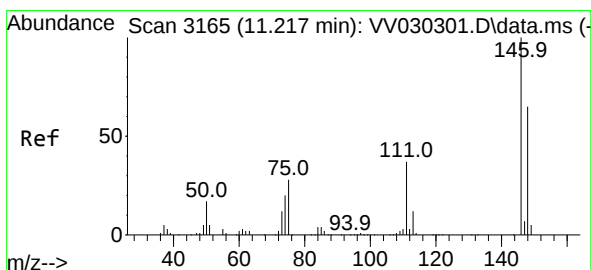
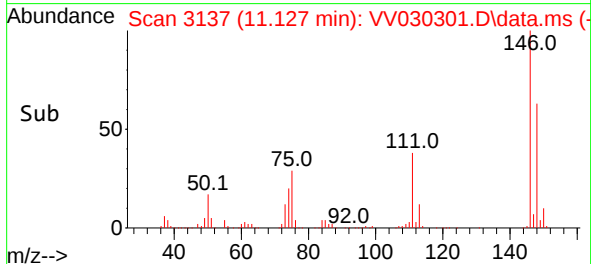
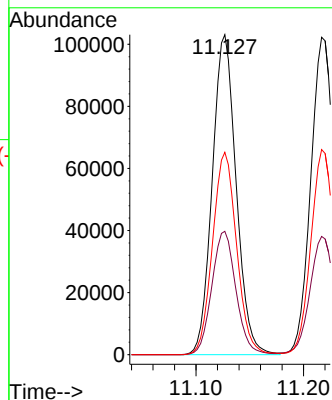
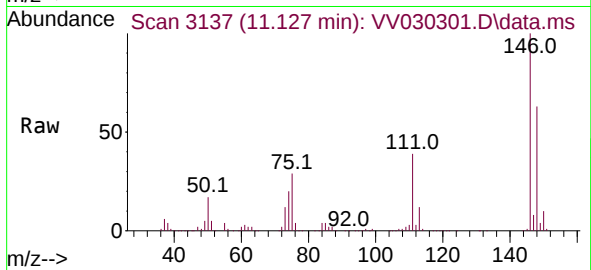
Tgt Ion:146 Resp: 159206

Ion Ratio Lower Upper

146 100

111 38.6 27.0 50.2

148 63.2 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 4.808 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

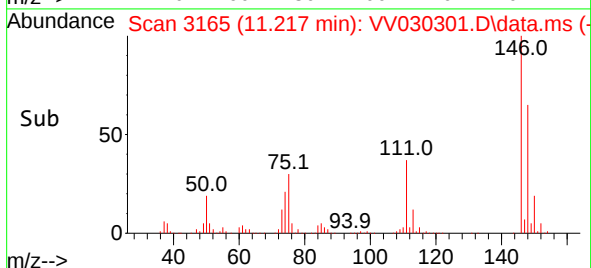
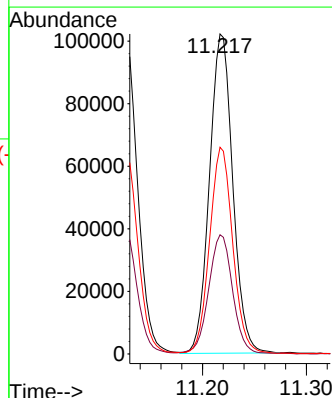
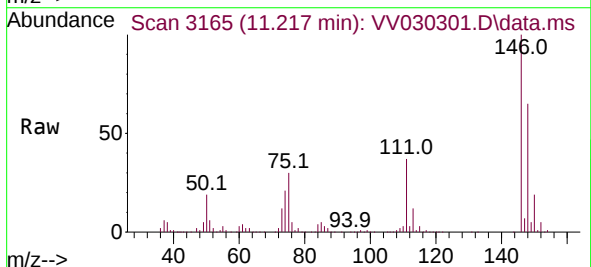
Tgt Ion:146 Resp: 158926

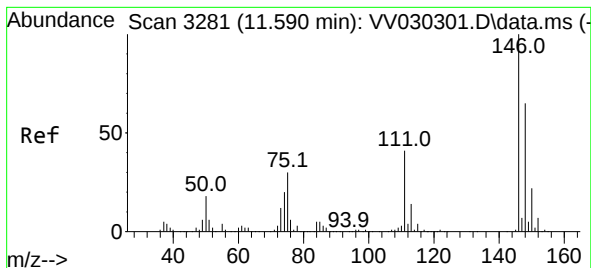
Ion Ratio Lower Upper

146 100

111 37.2 26.0 48.4

148 64.6 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 4.814 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD005230

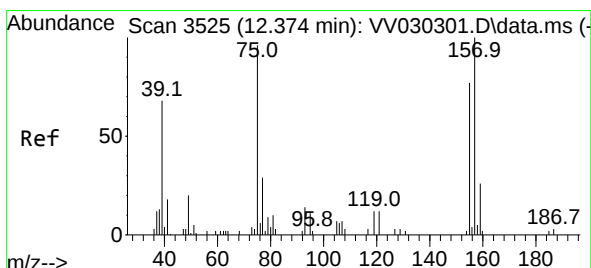
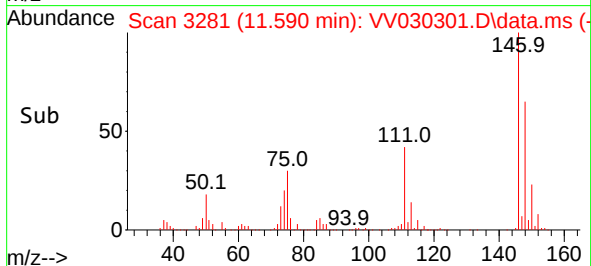
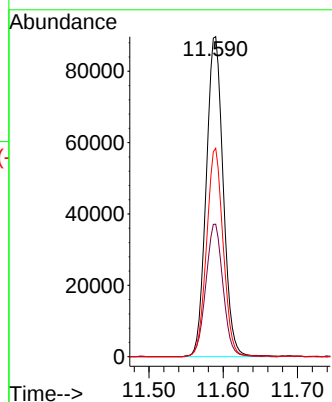
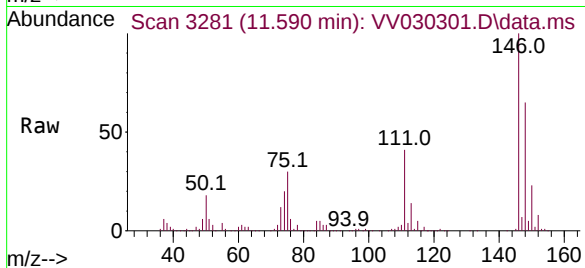
Tgt Ion:146 Resp: 142322

Ion Ratio Lower Upper

146 100

111 41.4 33.1 49.7

148 65.2 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 4.437 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030301.D

Acq: 23 Mar 2023 10:33

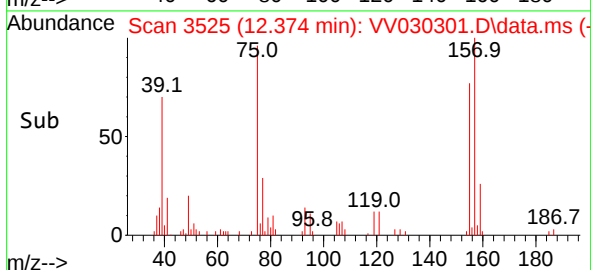
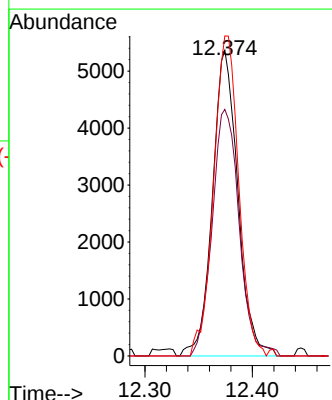
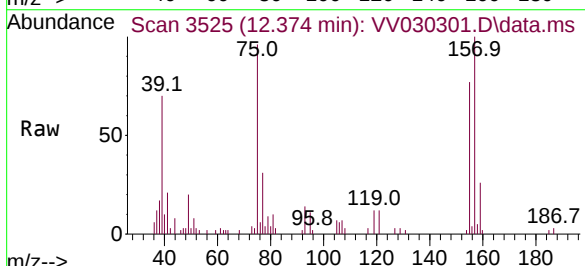
Tgt Ion: 75 Resp: 8802

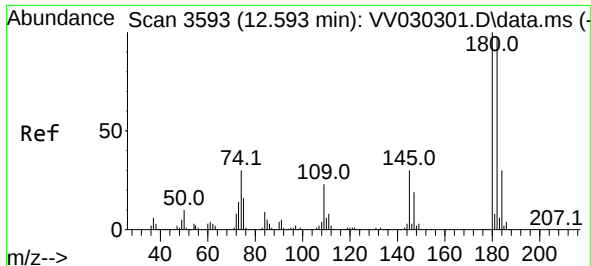
Ion Ratio Lower Upper

75 100

155 80.7 64.6 96.8

157 104.7 83.8 125.6

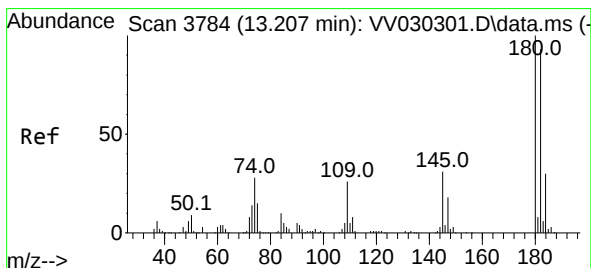
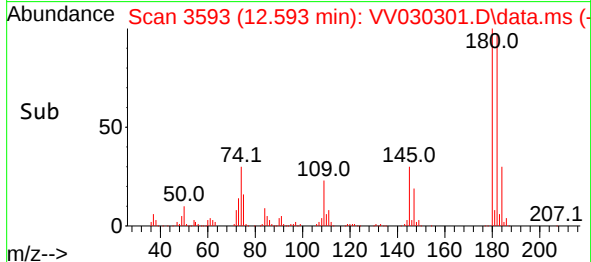
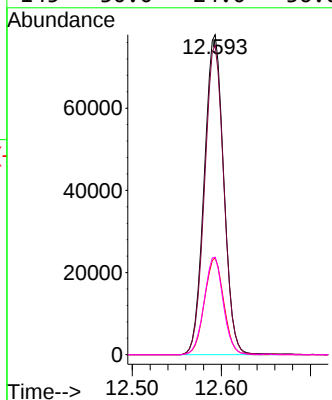
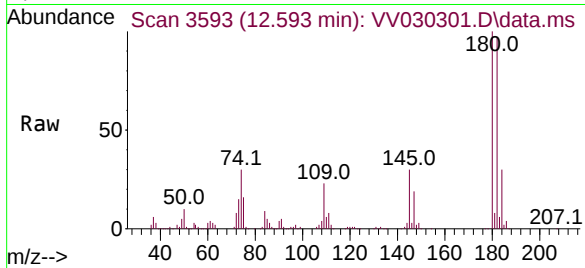




#69
 1,3,5-Trichlorobenzene
 Concen: 4.674 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

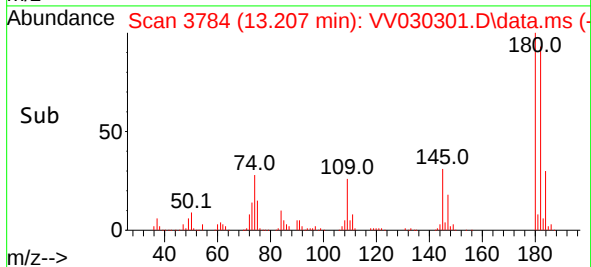
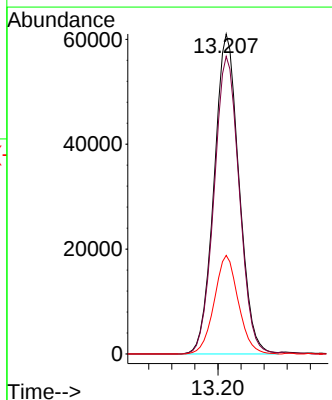
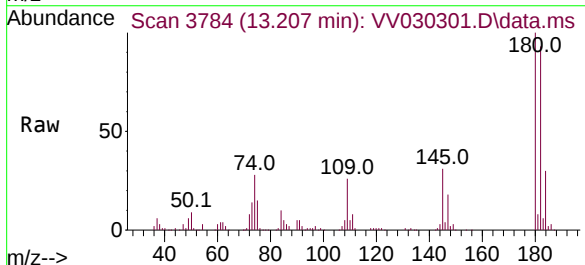
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005230

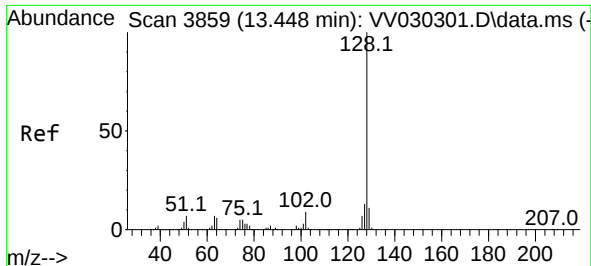
Tgt Ion:	180	Resp:	118064
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.5	114.7
184	30.0	24.0	36.0
145	30.0	24.0	36.0



#70
 1,2,4-trichlorobenzene
 Concen: 4.692 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030301.D
 Acq: 23 Mar 2023 10:33

Tgt Ion:	180	Resp:	91516
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.3	112.9
145	29.7	23.8	35.6

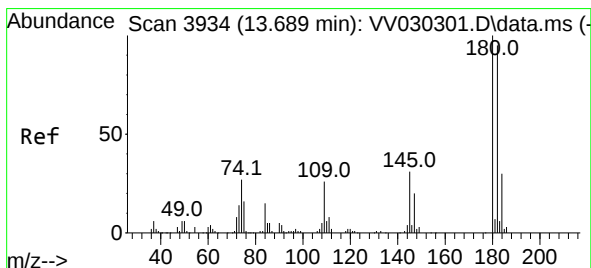
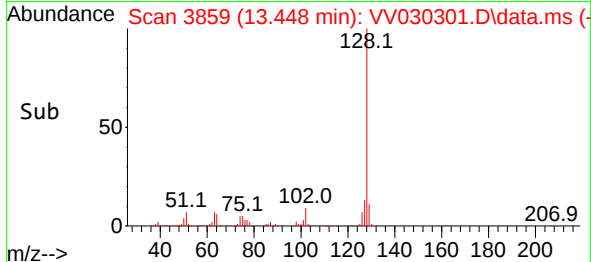
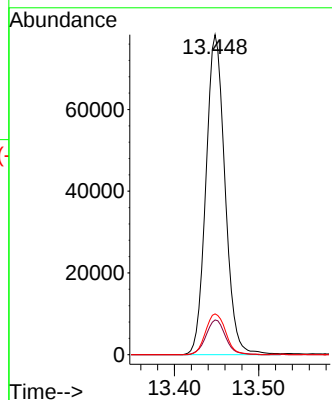
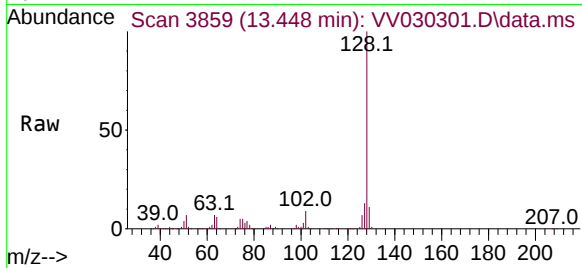




#71
Naphthalene
Concen: 4.430 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD005230

Tgt Ion:128 Resp: 123390
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.5 10.8 16.2



#72
1,2,3-Trichlorobenzene
Concen: 4.652 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030301.D
Acq: 23 Mar 2023 10:33

Tgt Ion:180 Resp: 78611
Ion Ratio Lower Upper
180 100
182 95.8 76.6 115.0
145 31.2 25.0 37.4

