

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030123\
 Data File : VW030110.D
 Acq On : 01 Mar 2023 15:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

Quant Time: Mar 02 00:30:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 02 00:27:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	152532	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	149622	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	88711	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	49673	5.033	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.600%		
7) Chloroethane-d5	1.539	69	50410	5.441	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 108.800%		
11) 1,1-Dichloroethene-d2	2.066	63	109136	5.379	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.600%		
20) 2-Butanone-d5	3.831	46	112100	61.605	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	= 123.220%		
24) Chloroform-d	4.262	84	113325	5.621	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 112.400%		
26) 1,2-Dichloroethane-d4	4.953	65	47945	5.825	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 116.600%		
32) Benzene-d6	4.969	84	210158	5.220	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 104.400%		
36) 1,2-Dichloropropane-d6	5.998	67	65500	5.408	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 108.200%		
41) Toluene-d8	7.252	98	198958	5.213	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 104.200%		
43) trans-1,3-Dichloroprop...	7.561	79	21462	5.179	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 103.600%		
46) 2-Hexanone-d5	8.037	63	100182	58.437	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 116.880%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	52029	6.038	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 120.800%#		
66) 1,2-Dichlorobenzene-d4	11.570	152	77062	5.134	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 102.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	68285	5.502	ug/L	99
3) Chloromethane	1.217	50	101689	5.200	ug/L	99
5) Vinyl chloride	1.285	62	73109	5.625	ug/L	99
6) Bromomethane	1.494	94	13754	5.896	ug/L	91
8) Chloroethane	1.555	64	44081	5.567	ug/L	99
9) Trichlorofluoromethane	1.719	101	103869	5.570	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	64440	5.572	ug/L	100
12) 1,1-Dichloroethene	2.076	96	58179	5.684	ug/L	99
13) Acetone	2.153	43	70808	52.648	ug/L #	53
14) Carbon disulfide	2.246	76	149229	5.448	ug/L	98
15) Methyl Acetate	2.391	43	16255	5.175	ug/L	92
16) Methylene chloride	2.455	84	58286	4.661	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	112033	5.597	ug/L	99
18) trans-1,2-Dichloroethene	2.703	96	54730	5.620	ug/L	98
19) 1,1-Dichloroethane	3.121	63	104622	5.767	ug/L	97
21) 2-Butanone	3.908	43	99616	55.074	ug/L	100
22) cis-1,2-Dichloroethene	3.825	96	58067	5.395	ug/L	96
23) Bromochloromethane	4.162	128	26900	5.849	ug/L	95
25) Chloroform	4.288	83	109715	5.814	ug/L	99

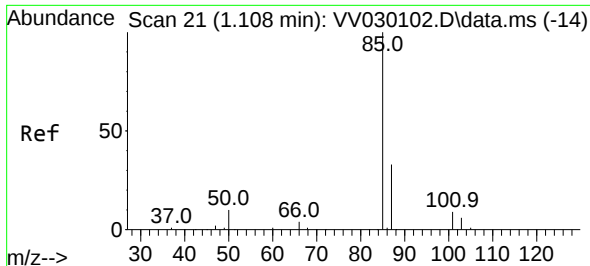
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	57999	5.876	ug/L	99
29) 1,1,1-Trichloroethane	4.526	97	95614	5.440	ug/L	99
30) Cyclohexane	4.593	56	75964	5.002	ug/L	98
31) Carbon tetrachloride	4.748	117	85858	5.435	ug/L	100
33) Benzene	5.021	78	222036	5.434	ug/L	100
34) Trichloroethene	5.841	95	60207	5.258	ug/L	98
35) Methylcyclohexane	6.059	83	86082	4.968	ug/L	97
37) 1,2-Dichloropropane	6.101	63	58392	5.617	ug/L	100
38) Bromodichloromethane	6.442	83	75551	5.693	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	80154	5.267	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	248616	57.956	ug/L	100
42) Toluene	7.323	91	244791	5.531	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	64724	5.448	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	42034	5.651	ug/L	97
47) Tetrachloroethene	7.915	164	52637	5.356	ug/L	98
48) 2-Hexanone	8.085	43	175799	57.244	ug/L	99
49) Dibromochloromethane	8.185	129	49718	5.712	ug/L	97
50) 1,2-Dibromoethane	8.291	107	38243	5.510	ug/L	96
51) Chlorobenzene	8.821	112	158358	5.306	ug/L	99
52) Ethylbenzene	8.953	91	257387	5.344	ug/L	98
53) m,p-Xylene	9.082	106	98523	5.322	ug/L	96
54) o-Xylene	9.487	106	93125	5.267	ug/L	99
55) Styrene	9.503	104	165717	5.636	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	48895	5.876	ug/L	99
59) Bromoform	9.673	173	29394	5.528	ug/L	99
60) Isopropylbenzene	9.876	105	261919	5.131	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	32560	5.484	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	209204	4.990	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	218727	5.100	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	138390	5.207	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	139407	5.199	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	123682	5.270	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	6893	5.198	ug/L	96
69) 1,3,5-Trichlorobenzene	12.593	180	106897	4.893	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	85579	4.835	ug/L	99
71) Naphthalene	13.448	128	112265	4.854	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	73867	5.070	ug/L	100

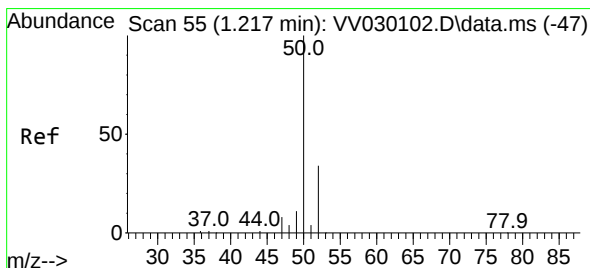
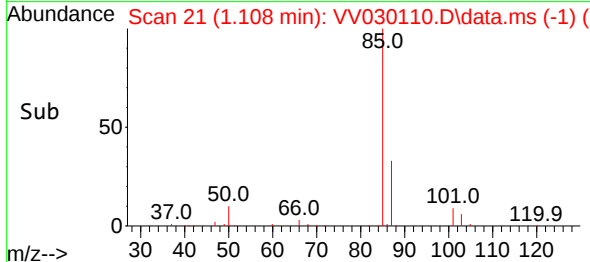
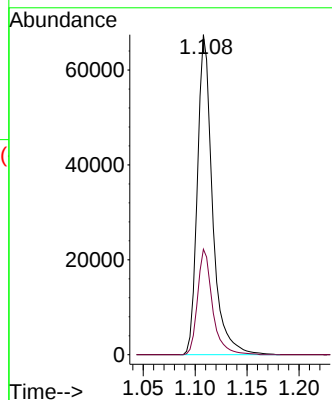
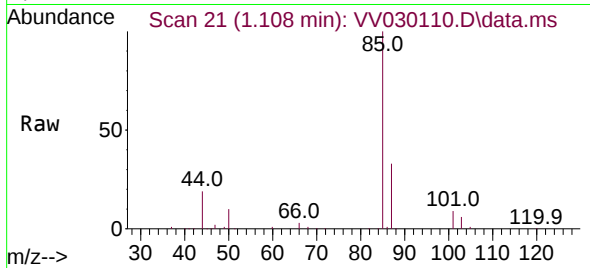
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#2
 Dichlorodifluoromethane
 Concen: 5.502 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030110.D
 Acq: 01 Mar 2023 15:16

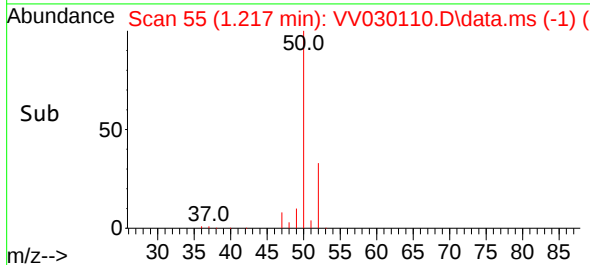
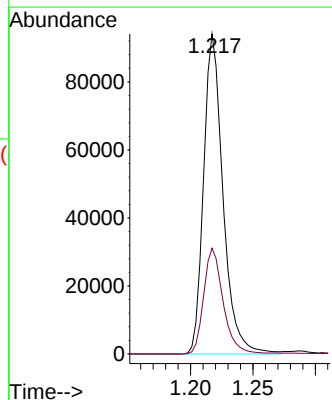
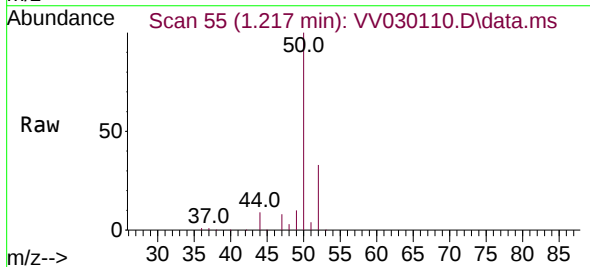
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

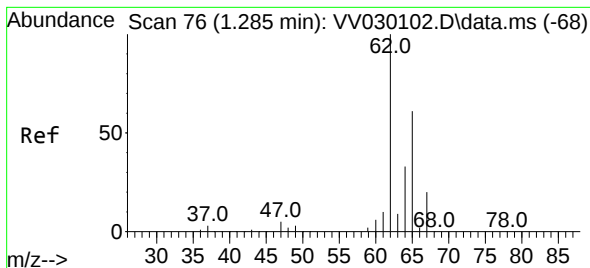
Tgt Ion: 85 Resp: 68285
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.6 39.8



#3
 Chloromethane
 Concen: 5.200 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030110.D
 Acq: 01 Mar 2023 15:16

Tgt Ion: 50 Resp: 101689
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.6 43.8





#5

Vinyl chloride

Concen: 5.625 ug/L

RT: 1.285 min Scan# 70

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

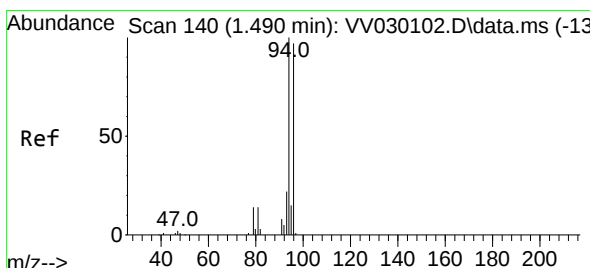
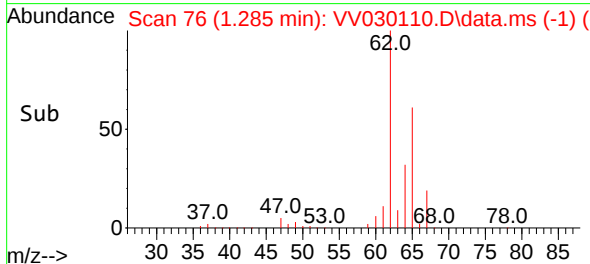
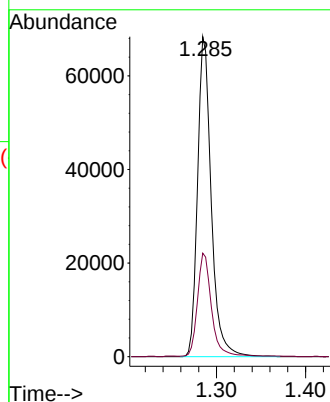
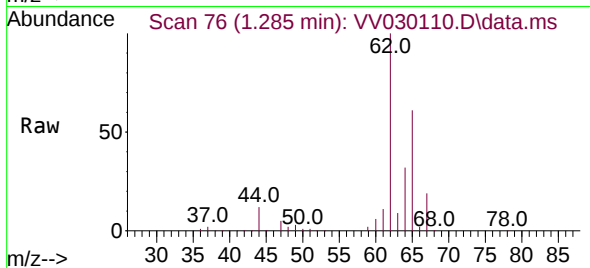
VSTD005289

Tgt Ion: 62 Resp: 73109

Ion Ratio Lower Upper

62 100

64 32.4 23.1 42.9



#6

Bromomethane

Concen: 5.896 ug/L

RT: 1.494 min Scan# 141

Delta R.T. 0.003 min

Lab File: VV030110.D

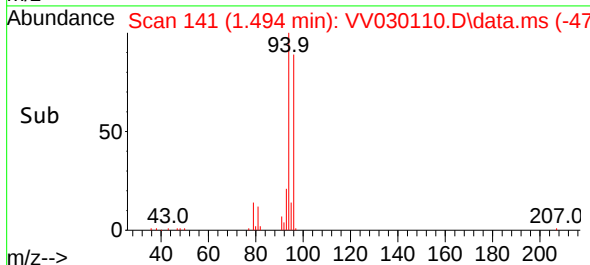
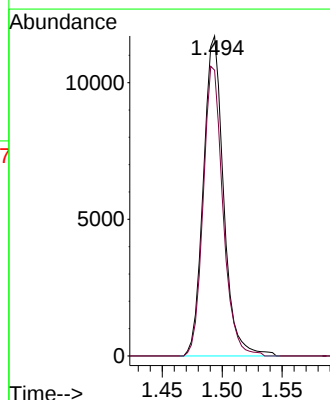
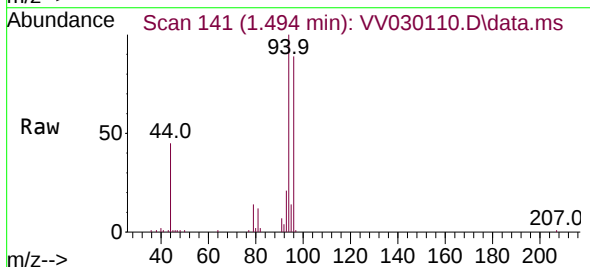
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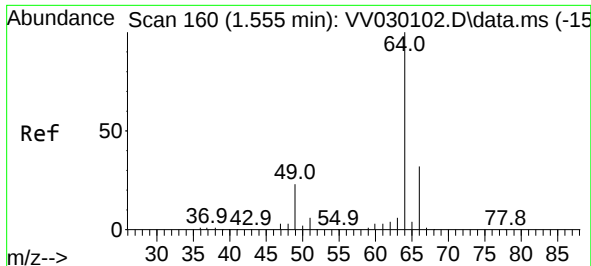
Tgt Ion: 94 Resp: 13754

Ion Ratio Lower Upper

94 100

96 89.3 68.4 127.0

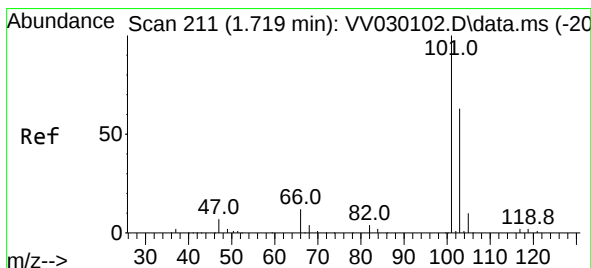
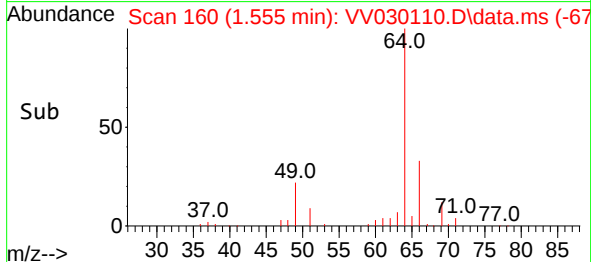
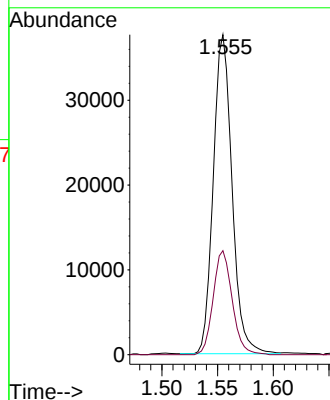
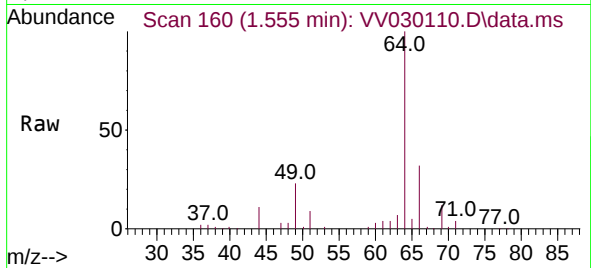




#8
Chloroethane
Concen: 5.567 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

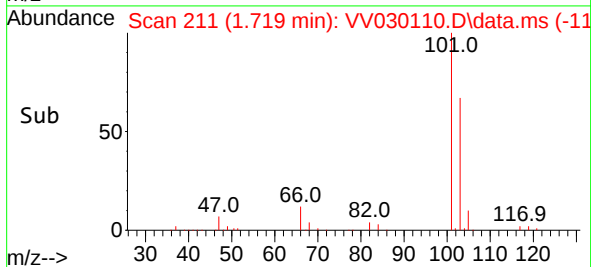
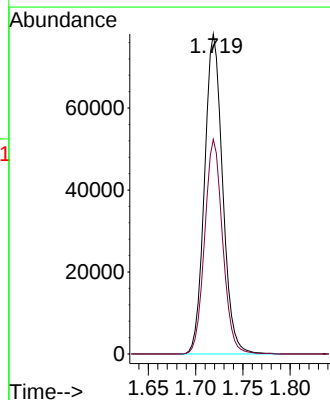
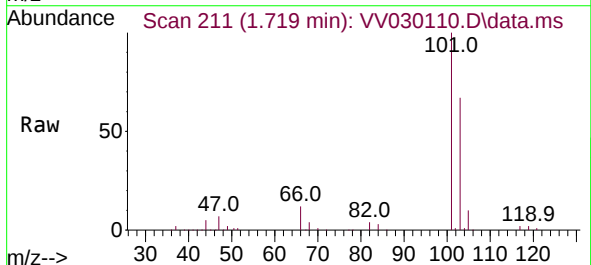
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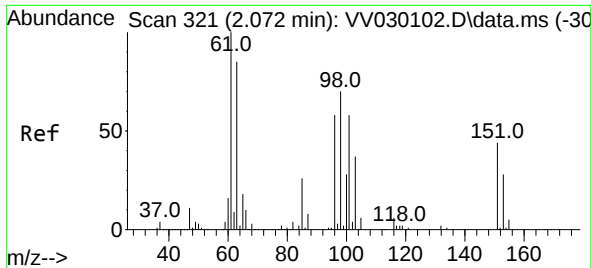
Tgt Ion: 64 Resp: 44081
Ion Ratio Lower Upper
64 100
66 32.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.570 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion:101 Resp: 103869
Ion Ratio Lower Upper
101 100
103 66.6 52.7 79.1

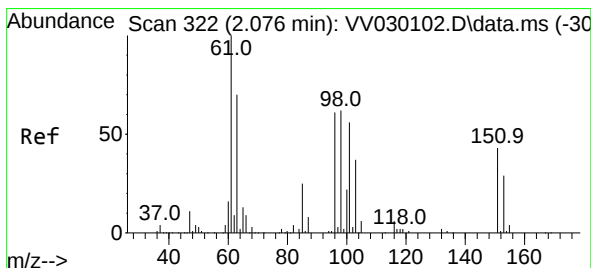
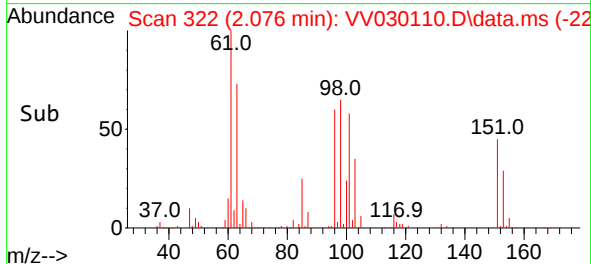
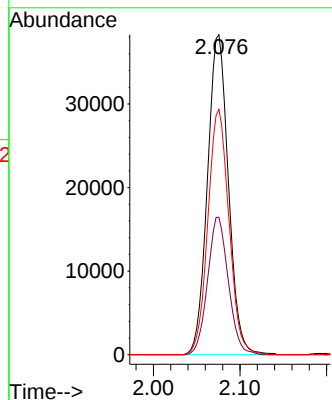
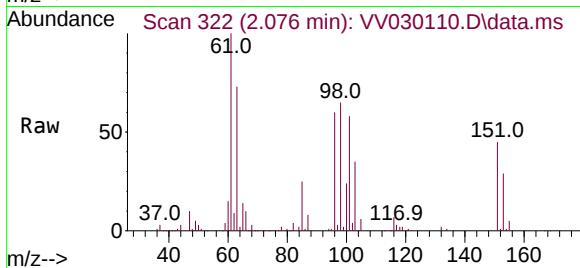




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.572 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

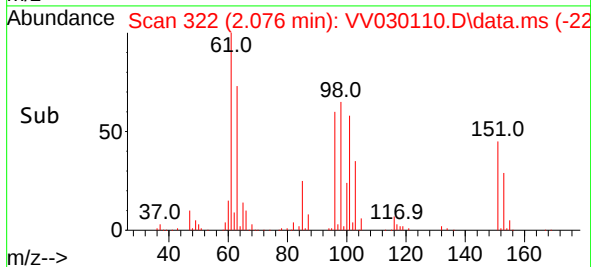
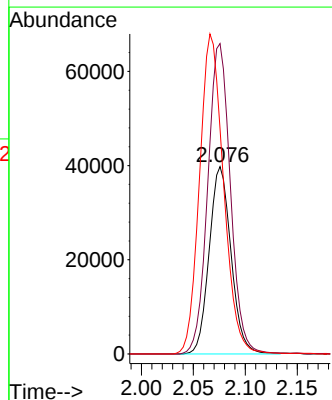
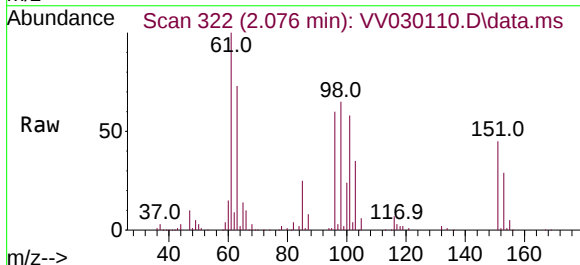
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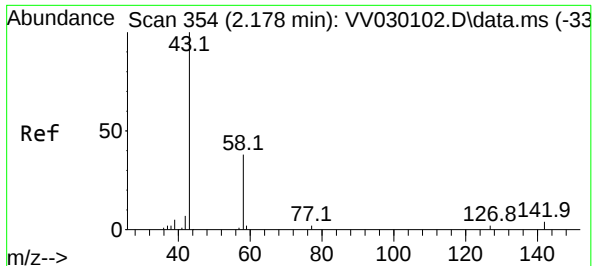
Tgt Ion:101 Resp: 64440
Ion Ratio Lower Upper
101 100
85 42.5 33.5 50.3
151 77.2 61.6 92.4



#12
1,1-Dichloroethene
Concen: 5.684 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 96 Resp: 58179
Ion Ratio Lower Upper
96 100
61 165.6 115.6 214.6
63 120.1 85.6 159.0





#13

Acetone

Concen: 52.648 ug/L

RT: 2.153 min Scan# 34

Delta R.T. -0.026 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

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MSVOA_V

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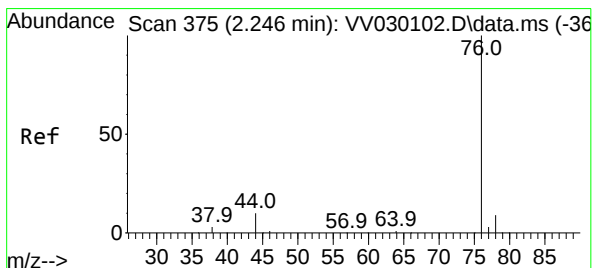
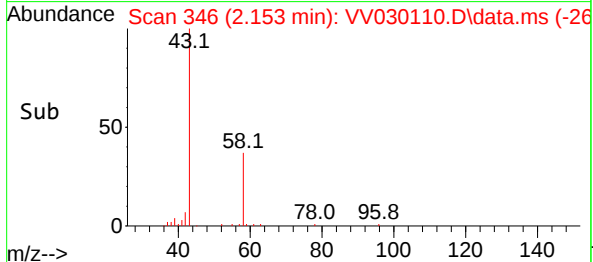
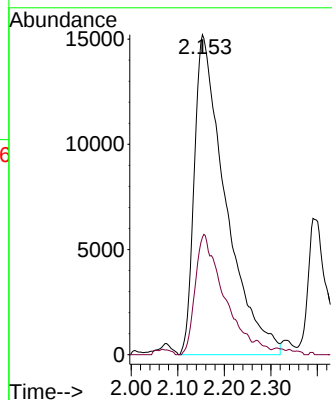
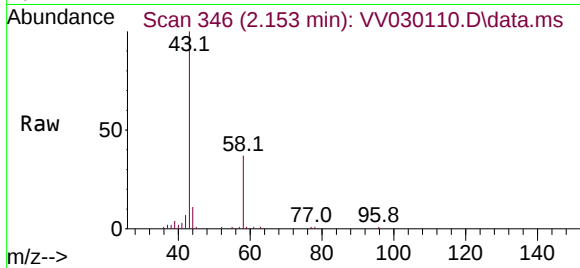
VSTD005289

Tgt Ion: 43 Resp: 70808

Ion Ratio Lower Upper

43 100

58 34.1 0.0 29.4#



#14

Carbon disulfide

Concen: 5.448 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030110.D

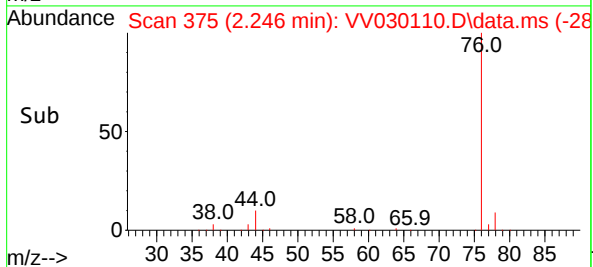
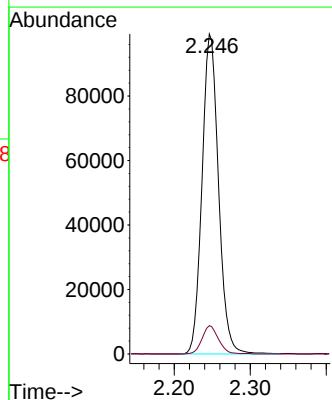
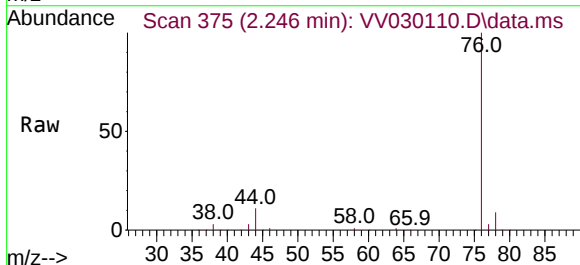
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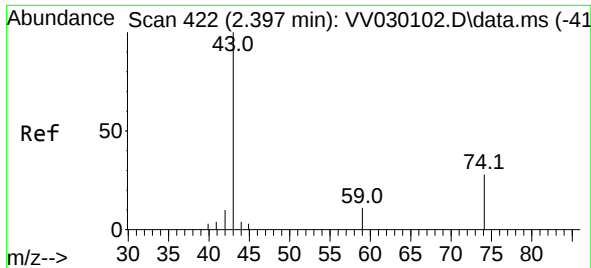
Tgt Ion: 76 Resp: 149229

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

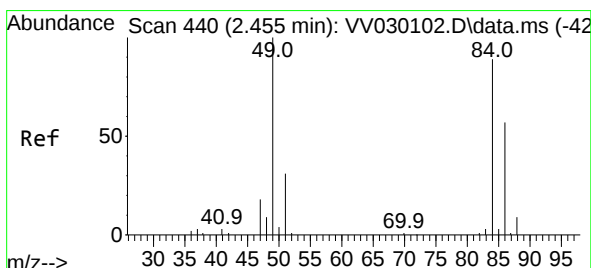
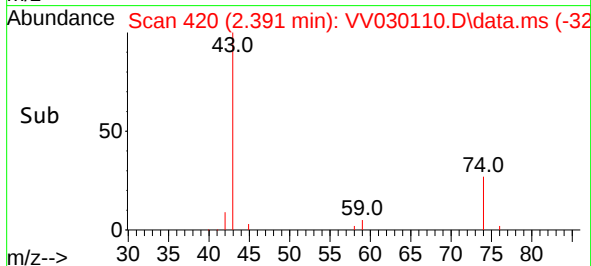
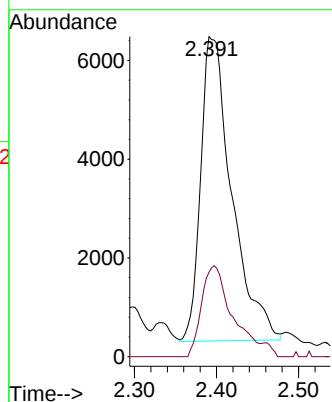
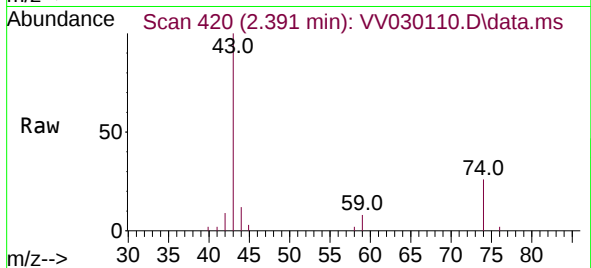




#15
Methyl Acetate
Concen: 5.175 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

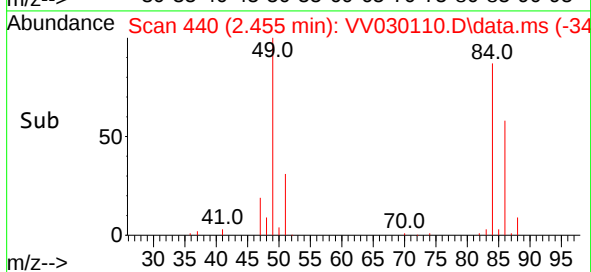
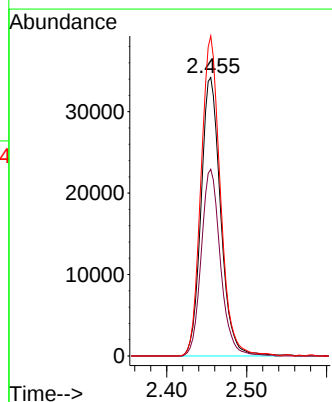
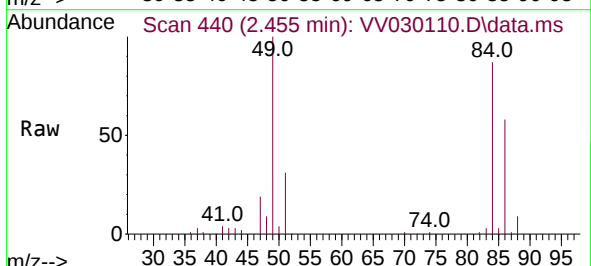
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

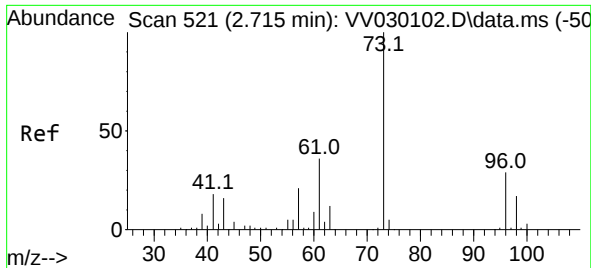
Tgt Ion: 43 Resp: 16255
Ion Ratio Lower Upper
43 100
74 29.4 20.1 30.1



#16
Methylene chloride
Concen: 4.661 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 84 Resp: 58286
Ion Ratio Lower Upper
84 100
86 67.1 44.7 83.1
49 115.0 78.8 146.3

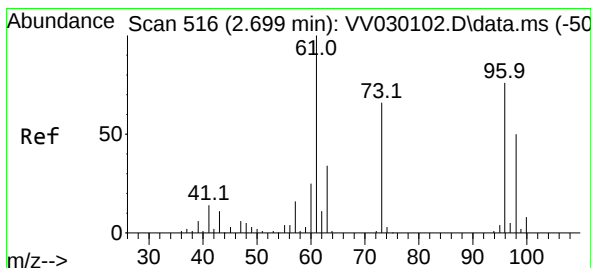
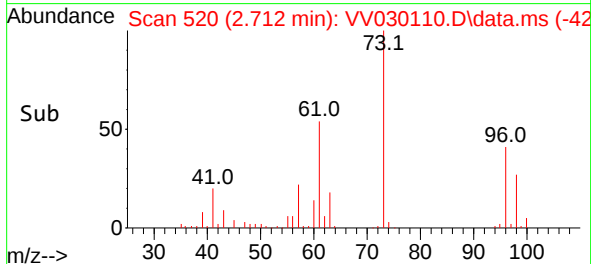
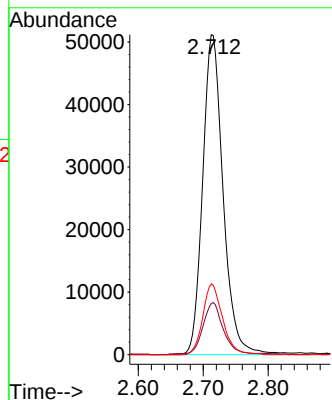
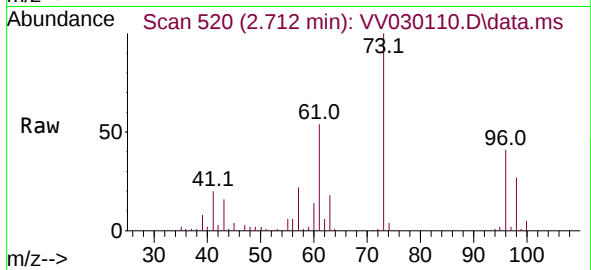




#17
Methyl tert-butyl Ether
Concen: 5.597 ug/L
RT: 2.712 min Scan# 517
Delta R.T. -0.003 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

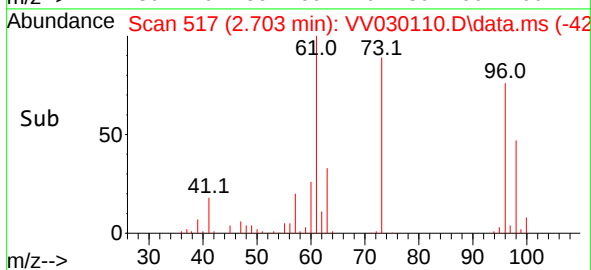
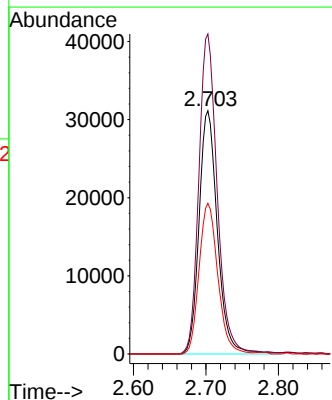
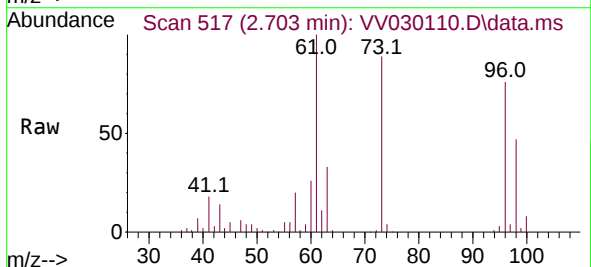
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

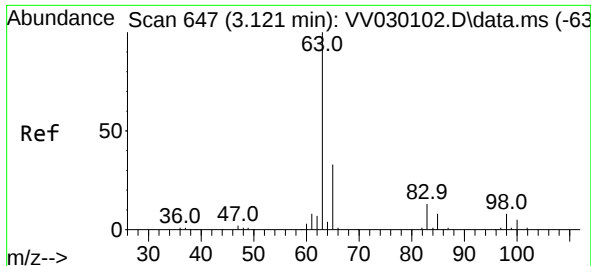
Tgt Ion: 73 Resp: 112033
Ion Ratio Lower Upper
73 100
43 16.4 13.4 20.2
57 21.5 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 5.620 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 96 Resp: 54730
Ion Ratio Lower Upper
96 100
61 131.6 91.0 169.0
98 61.9 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.767 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

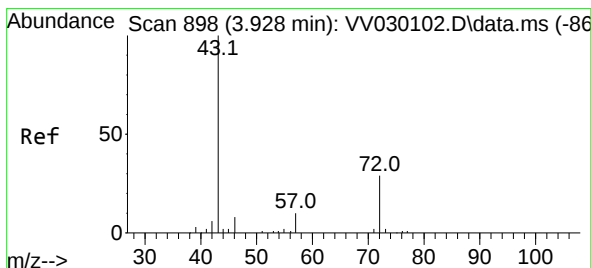
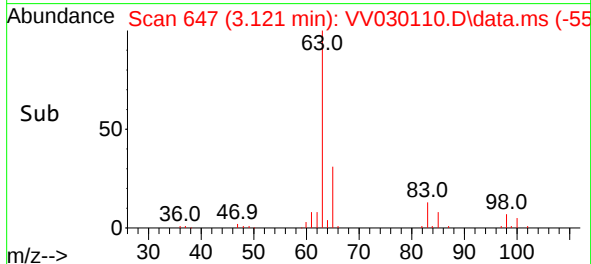
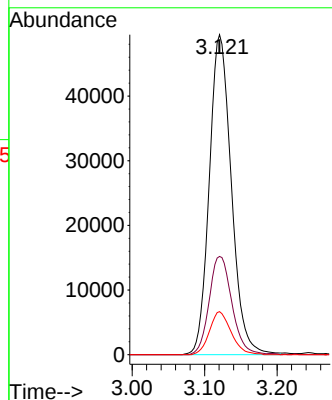
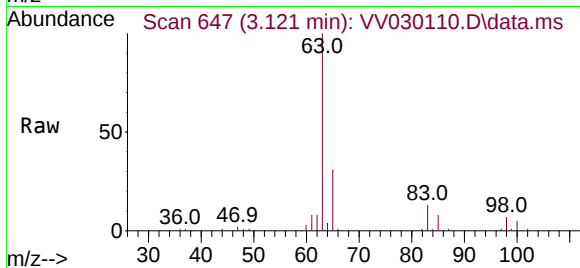
Tgt Ion: 63 Resp: 104622

Ion Ratio Lower Upper

63 100

65 30.7 23.0 42.8

83 13.5 9.6 17.8



#21

2-Butanone

Concen: 55.074 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.019 min

Lab File: VV030110.D

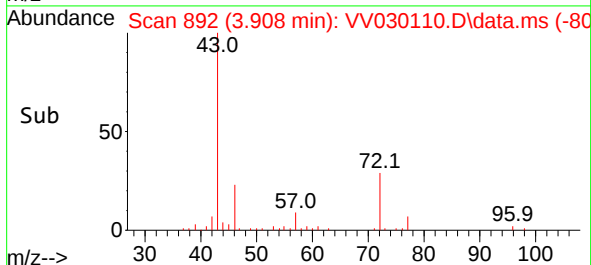
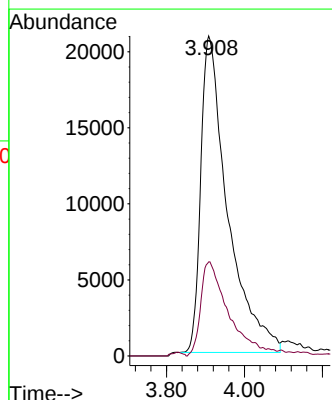
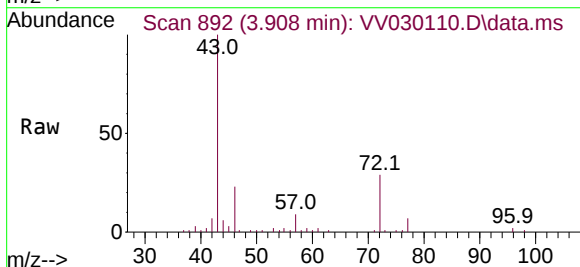
Acq: 01 Mar 2023 15:16

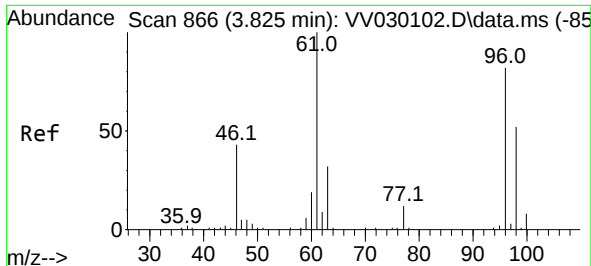
Tgt Ion: 43 Resp: 99616

Ion Ratio Lower Upper

43 100

72 30.2 15.1 45.3

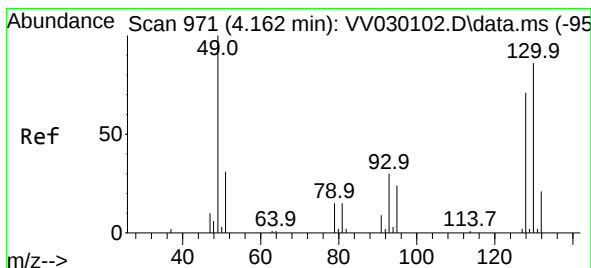
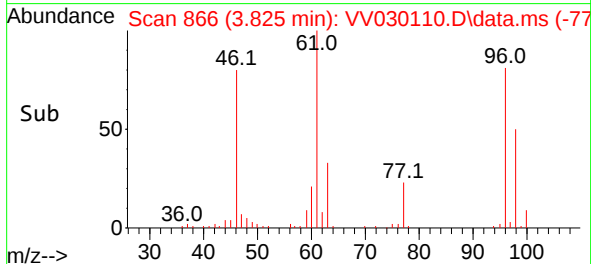
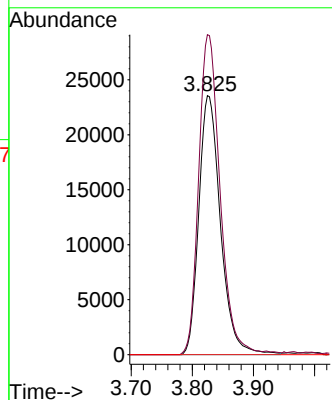
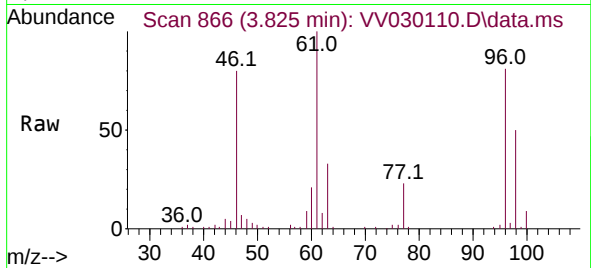




#22
cis-1,2-Dichloroethene
Concen: 5.395 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

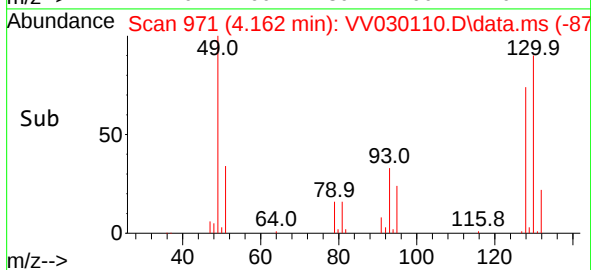
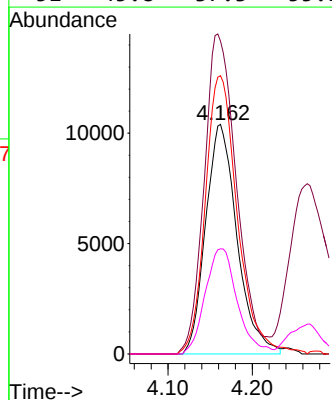
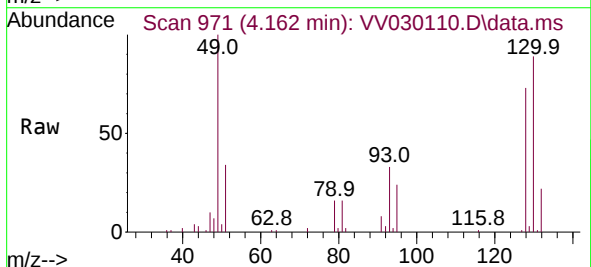
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

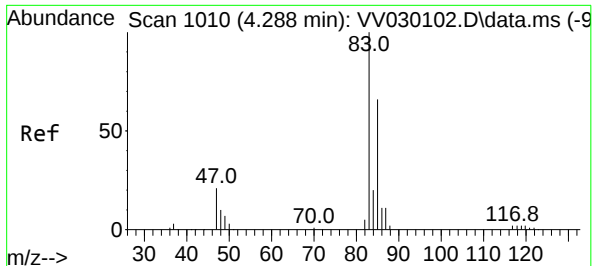
Tgt Ion: 96 Resp: 58067
Ion Ratio Lower Upper
96 100
61 123.5 83.4 154.8
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 5.849 ug/L
RT: 4.162 min Scan# 971
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 128 Resp: 26900
Ion Ratio Lower Upper
128 100
49 136.2 99.5 184.9
130 121.2 90.5 168.1
51 45.8 37.3 55.9

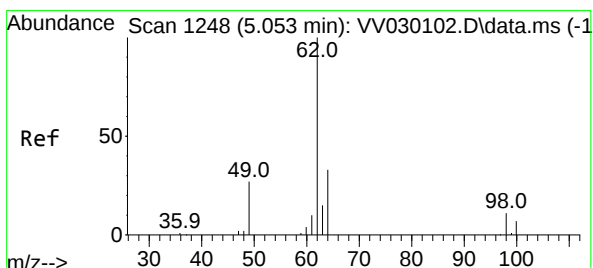
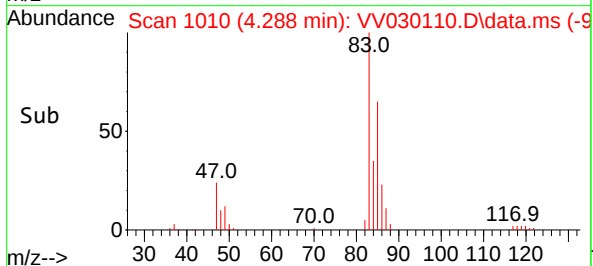
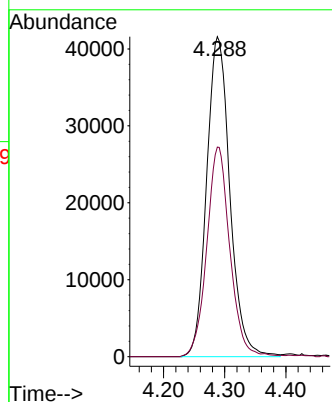
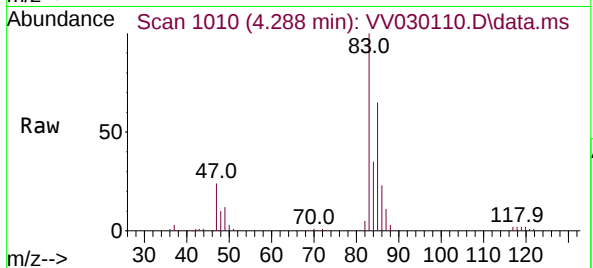




#25
Chloroform
Concen: 5.814 ug/L
RT: 4.288 min Scan# 1010
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

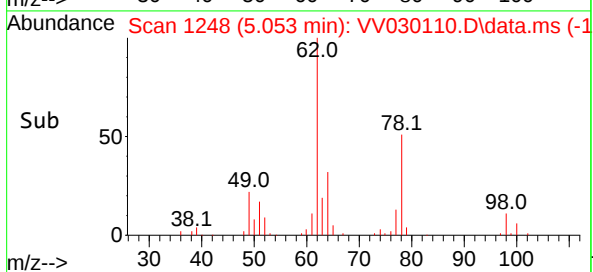
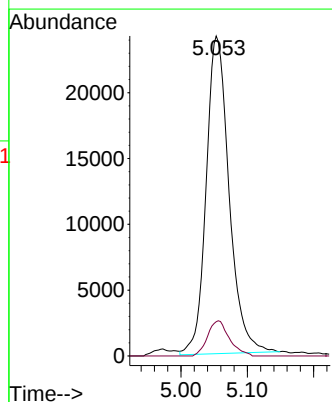
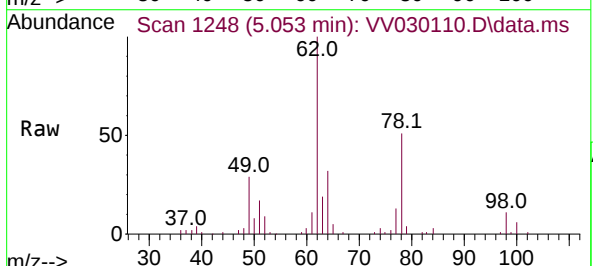
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

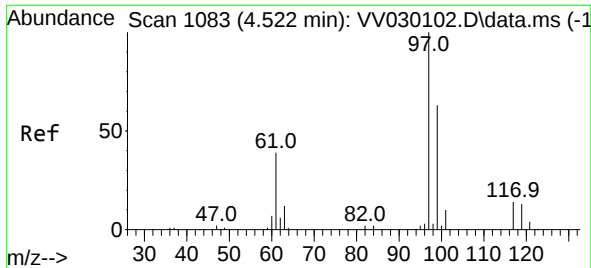
Tgt Ion: 83 Resp: 109715
Ion Ratio Lower Upper
83 100
85 65.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.876 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 62 Resp: 57999
Ion Ratio Lower Upper
62 100
98 10.7 9.0 13.4

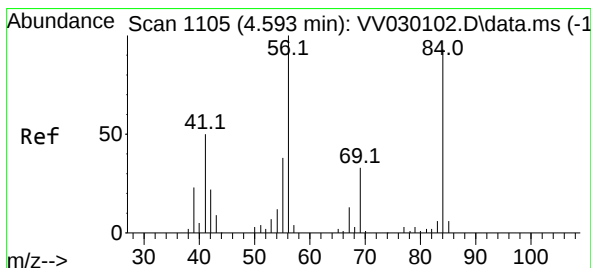
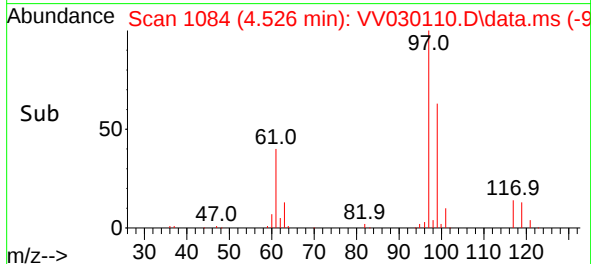
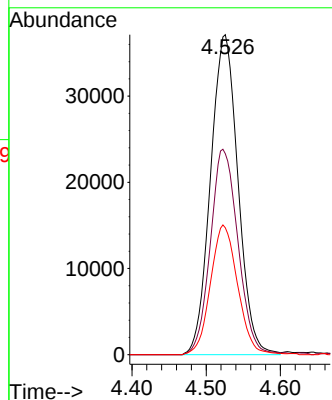
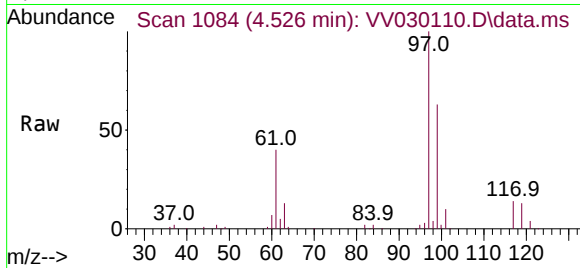




#29
1,1,1-Trichloroethane
Concen: 5.440 ug/L
RT: 4.526 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

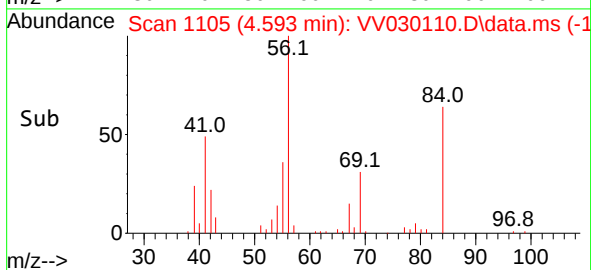
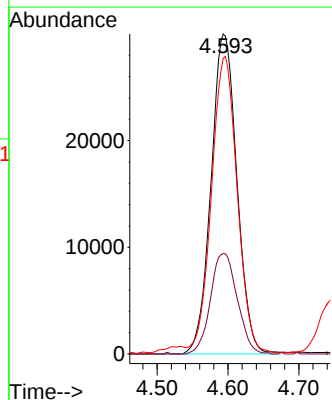
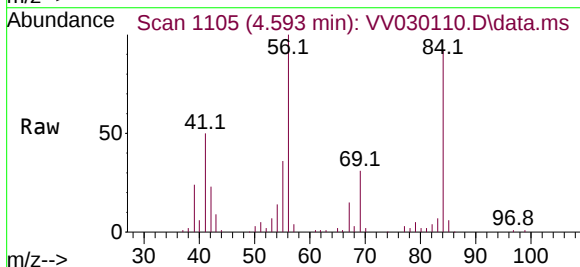
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

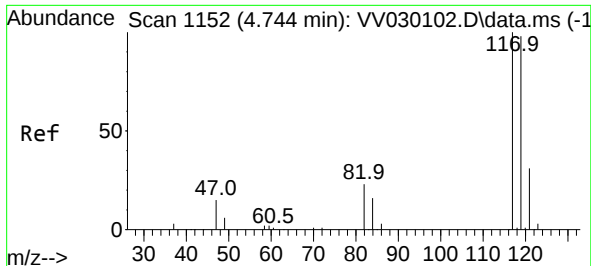
Tgt Ion: 97 Resp: 95614
Ion Ratio Lower Upper
97 100
99 64.7 51.3 76.9
61 40.1 31.5 47.3



#30
Cyclohexane
Concen: 5.002 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 56 Resp: 75964
Ion Ratio Lower Upper
56 100
69 32.5 25.1 37.7
84 91.6 74.6 111.8

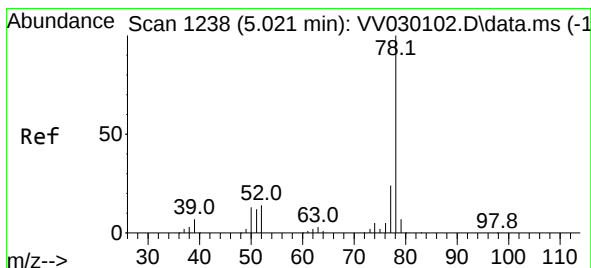
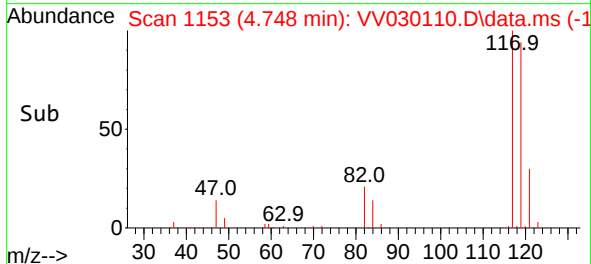
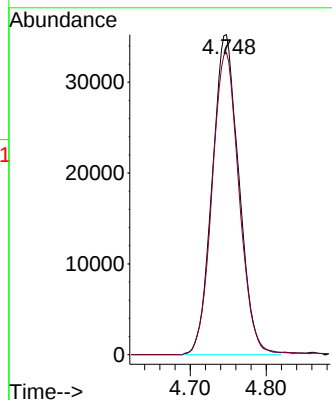
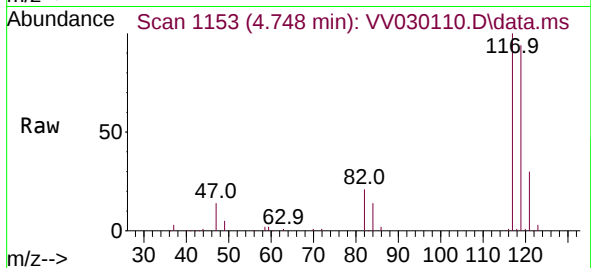




#31
Carbon tetrachloride
Concen: 5.435 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

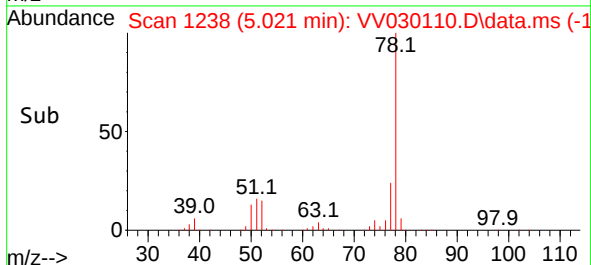
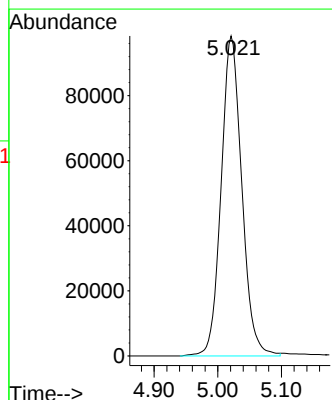
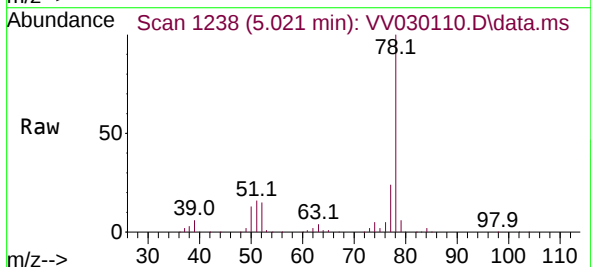
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

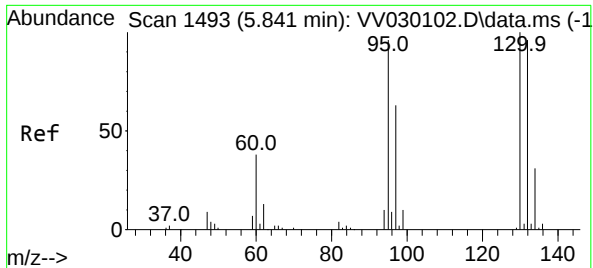
Tgt Ion:117 Resp: 85858
Ion Ratio Lower Upper
117 100
119 95.6 76.1 114.1



#33
Benzene
Concen: 5.434 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 78 Resp: 222036

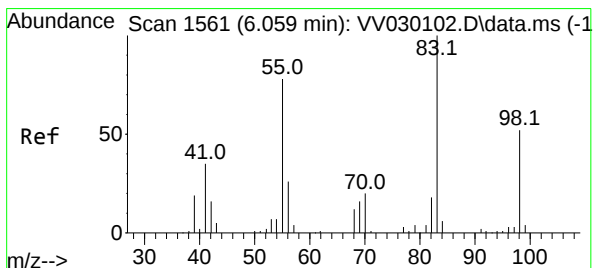
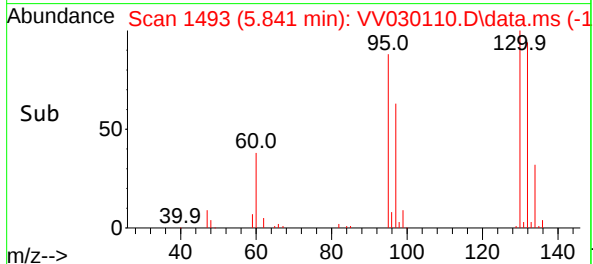
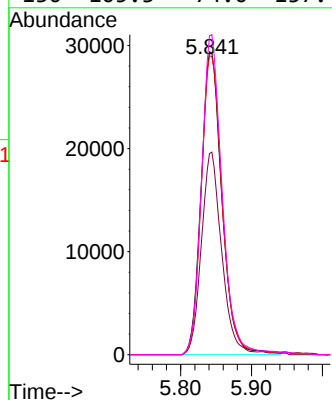
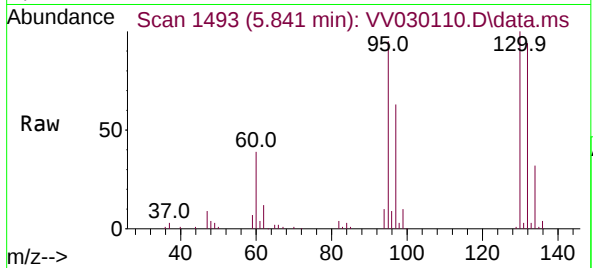




#34
Trichloroethene
Concen: 5.258 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

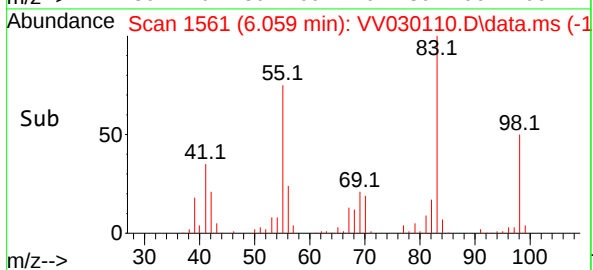
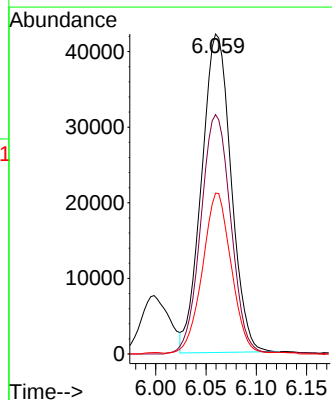
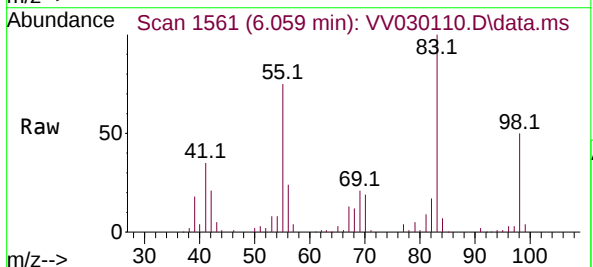
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

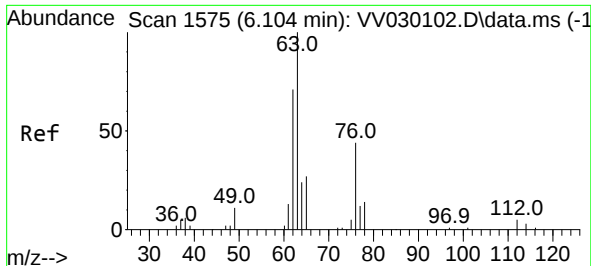
Tgt Ion: 95 Resp: 60207
Ion Ratio Lower Upper
95 100
97 66.4 46.5 86.5
132 98.6 71.7 133.3
130 105.3 74.0 137.4



#35
Methylcyclohexane
Concen: 4.968 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 83 Resp: 86082
Ion Ratio Lower Upper
83 100
55 76.6 57.6 86.4
98 48.7 38.8 58.2





#37

1,2-Dichloropropane

Concen: 5.617 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

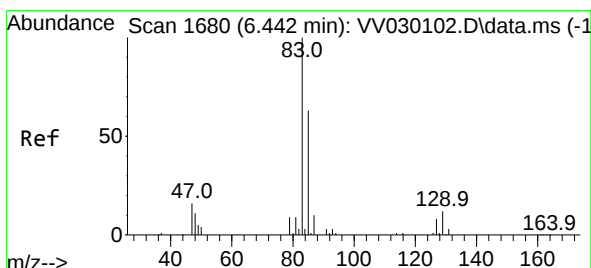
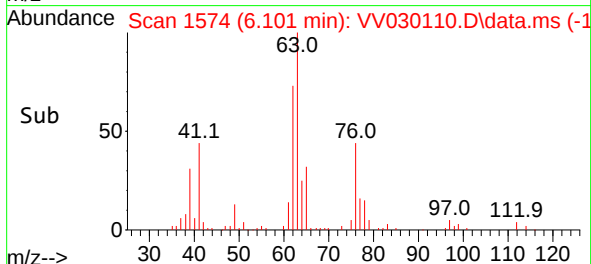
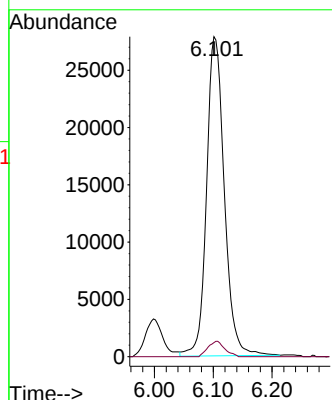
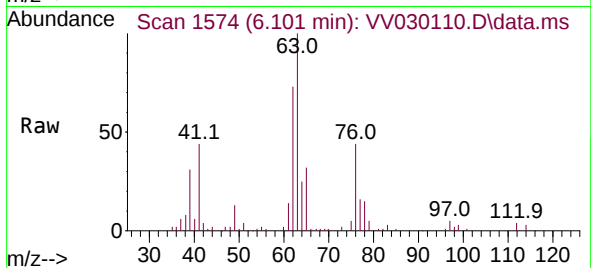
VSTD005289

Tgt Ion: 63 Resp: 58392

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



#38

Bromodichloromethane

Concen: 5.693 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

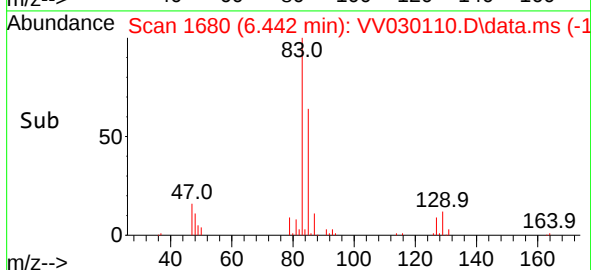
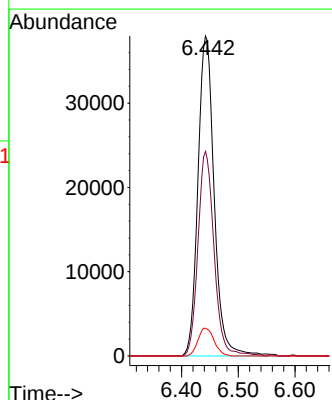
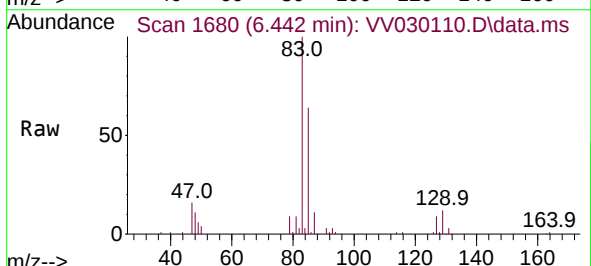
Tgt Ion: 83 Resp: 75551

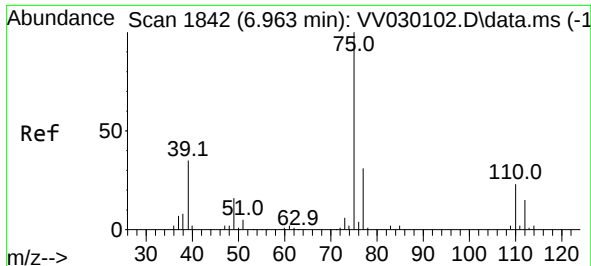
Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.267 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

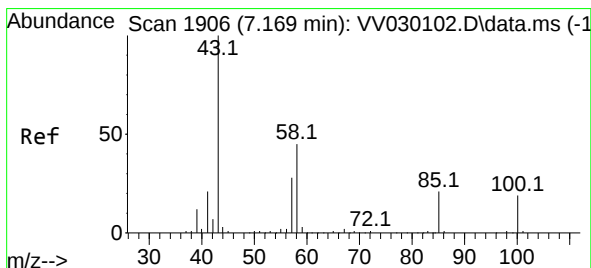
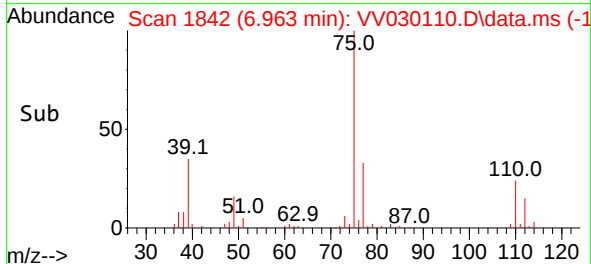
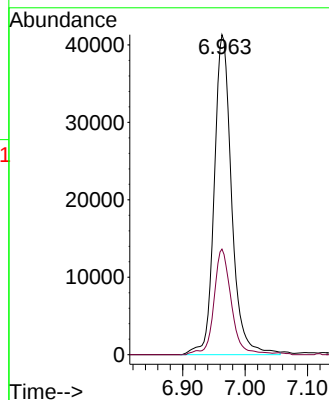
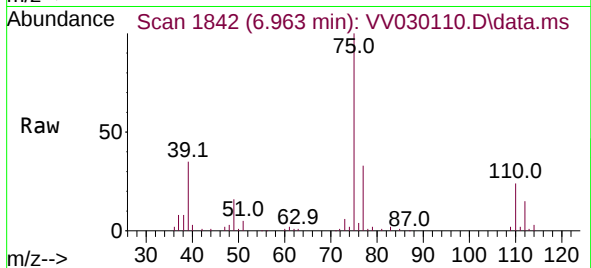
VSTD005289

Tgt Ion: 75 Resp: 80154

Ion Ratio Lower Upper

75 100

77 33.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 57.956 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

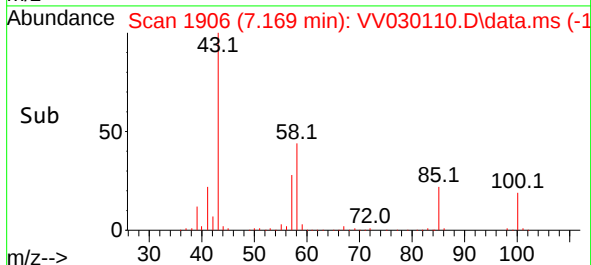
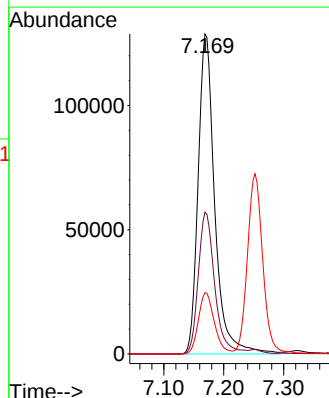
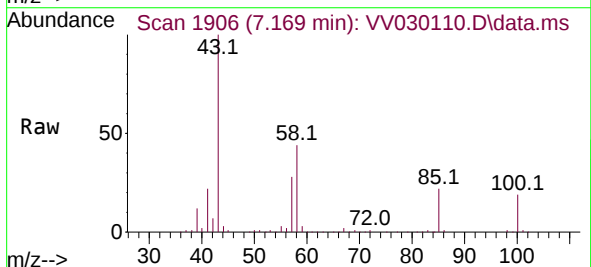
Tgt Ion: 43 Resp: 248616

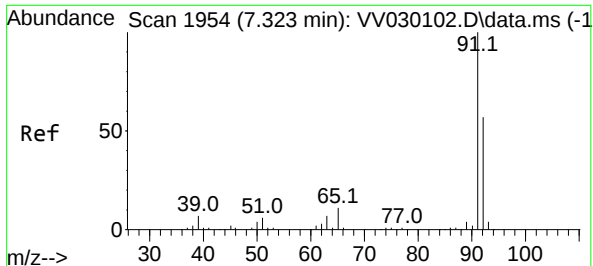
Ion Ratio Lower Upper

43 100

58 43.9 35.3 52.9

100 18.4 14.7 22.1





#42

Toluene

Concen: 5.531 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

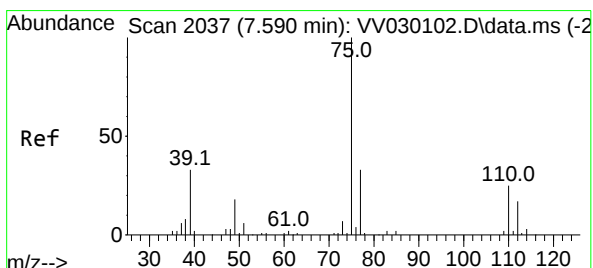
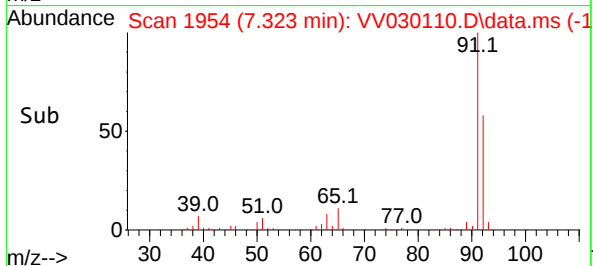
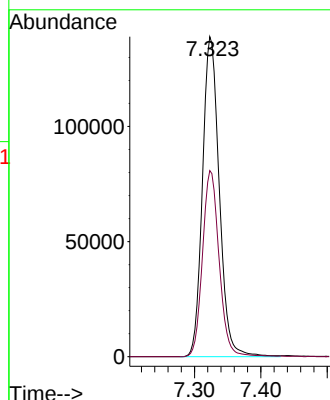
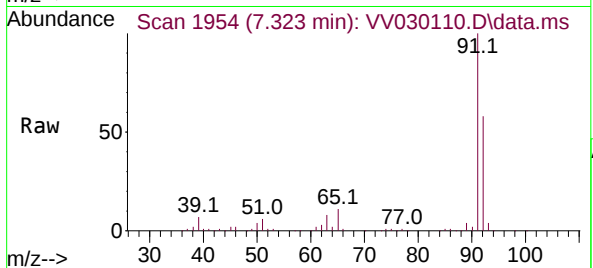
VSTD005289

Tgt Ion: 91 Resp: 244791

Ion Ratio Lower Upper

91 100

92 58.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.448 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030110.D

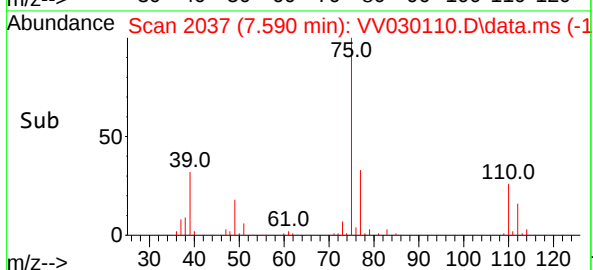
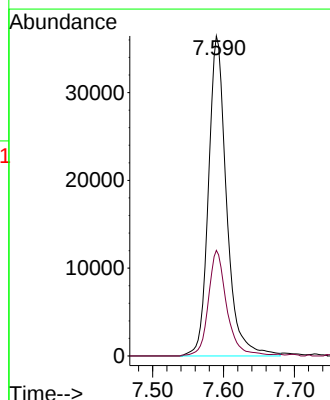
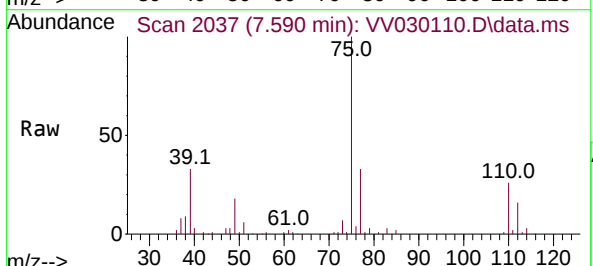
Acq: 01 Mar 2023 15:16

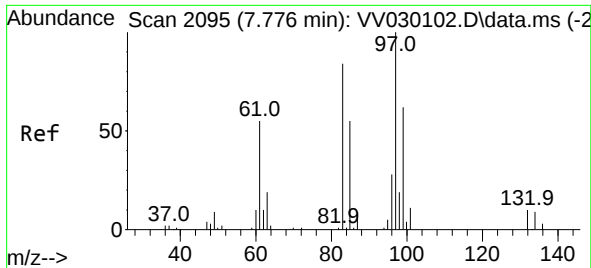
Tgt Ion: 75 Resp: 64724

Ion Ratio Lower Upper

75 100

77 33.0 22.1 41.1

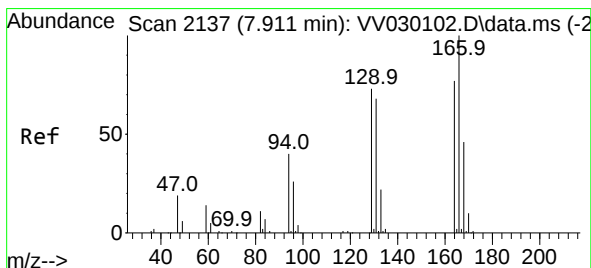
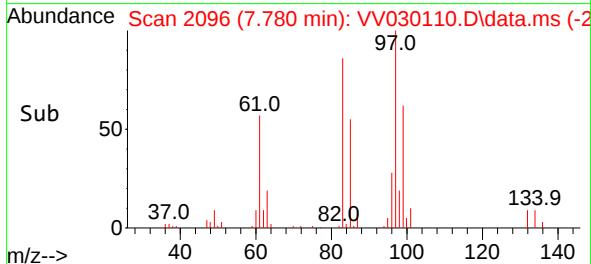
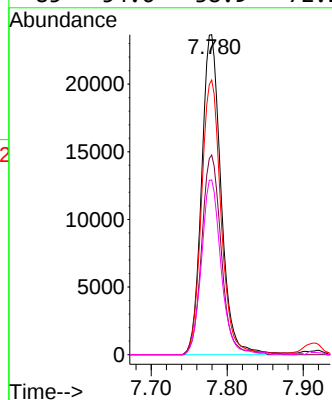
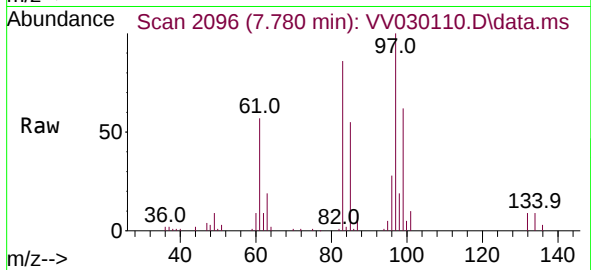




#45
1,1,2-Trichloroethane
Concen: 5.651 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

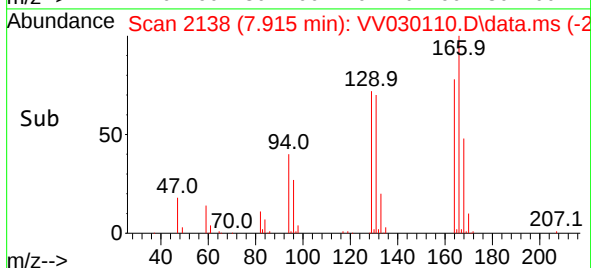
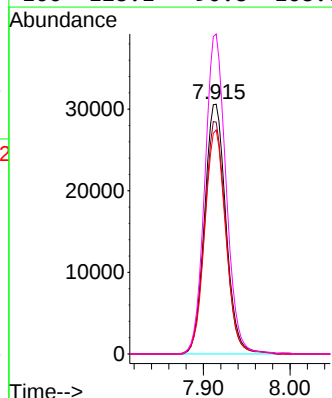
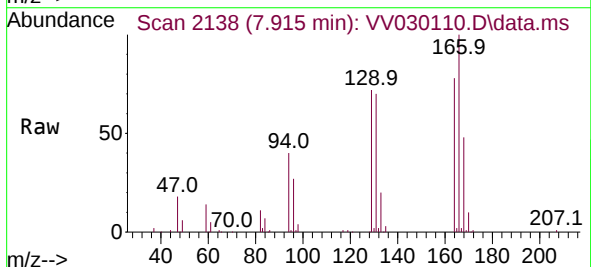
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

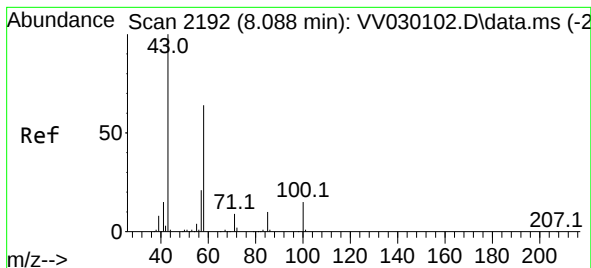
Tgt Ion:	97	Resp:	42034
Ion	Ratio	Lower	Upper
97	100		
99	62.4	42.6	79.2
83	85.9	57.7	107.3
85	54.6	38.9	72.2



#47
Tetrachloroethene
Concen: 5.356 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion:	164	Resp:	52637
Ion	Ratio	Lower	Upper
164	100		
129	92.8	63.6	118.2
131	89.6	61.7	114.7
166	128.1	90.8	168.6





#48

2-Hexanone

Concen: 57.244 ug/L

RT: 8.085 min Scan# 2192

Delta R.T. -0.003 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

Tgt Ion: 43 Resp: 175799

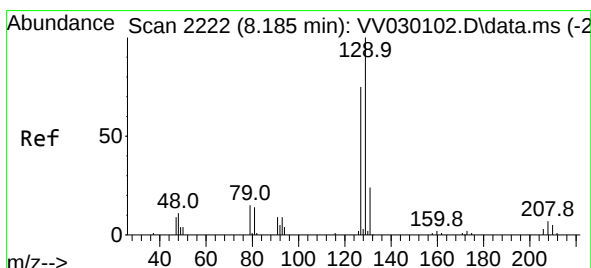
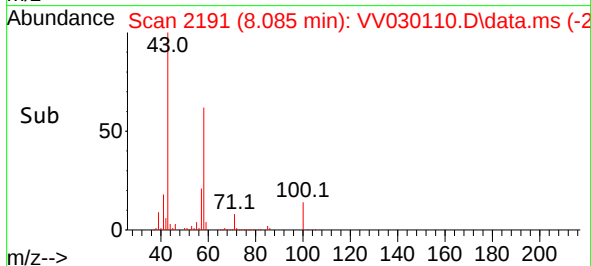
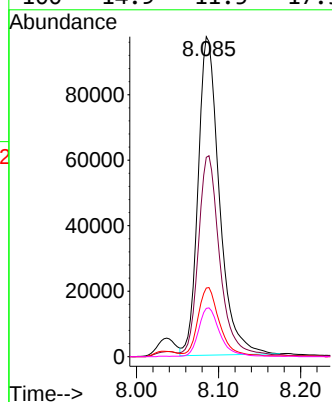
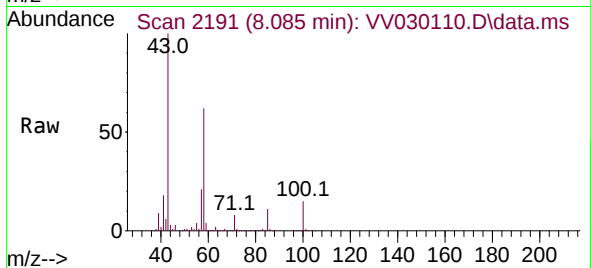
Ion Ratio Lower Upper

43 100

58 62.6 49.8 74.8

57 21.7 16.6 24.8

100 14.9 11.5 17.3



#49

Dibromochloromethane

Concen: 5.712 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030110.D

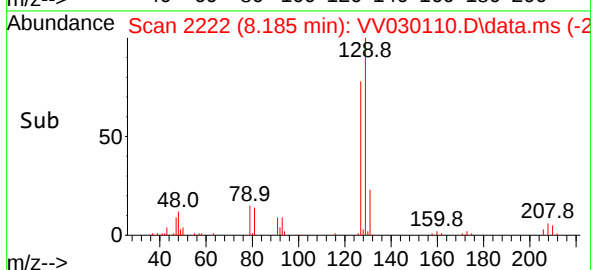
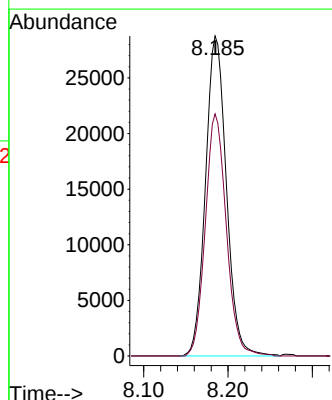
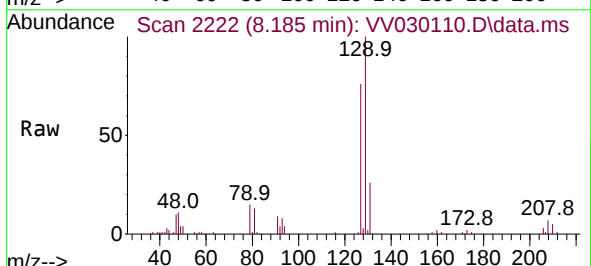
Acq: 01 Mar 2023 15:16

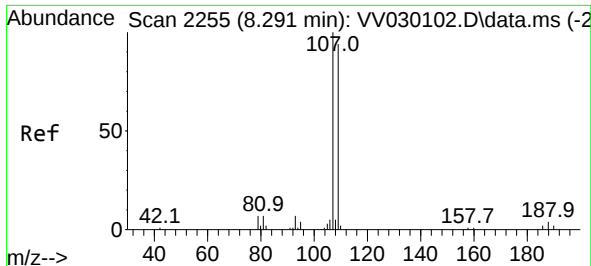
Tgt Ion: 129 Resp: 49718

Ion Ratio Lower Upper

129 100

127 75.7 54.7 101.5





#50

1,2-Dibromoethane

Concen: 5.510 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

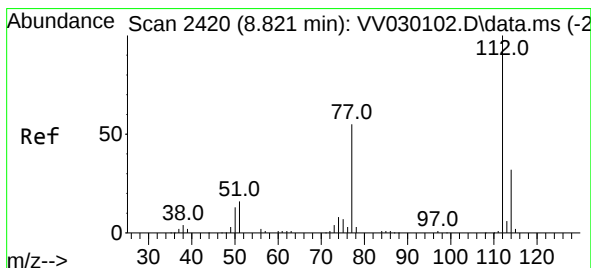
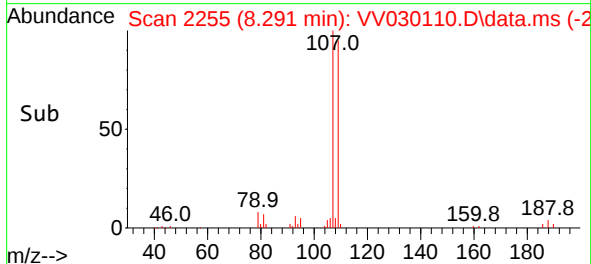
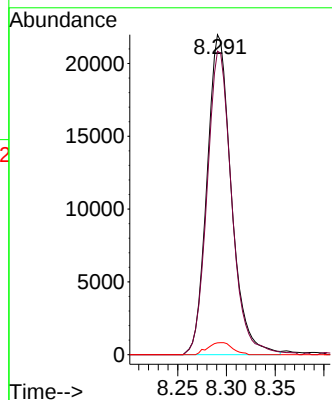
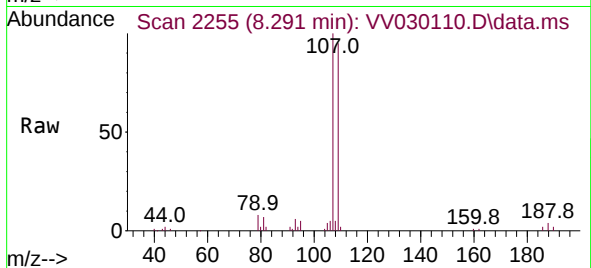
Tgt Ion:107 Resp: 38243

Ion Ratio Lower Upper

107 100

109 94.8 63.3 117.7

188 3.7 3.0 4.6



#51

Chlorobenzene

Concen: 5.306 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

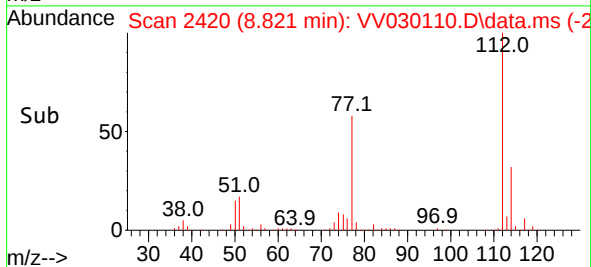
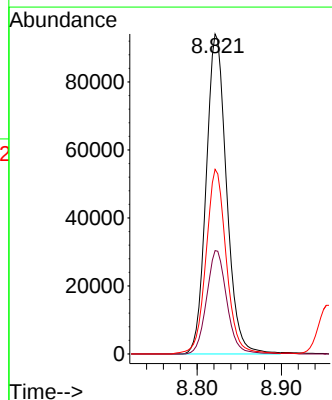
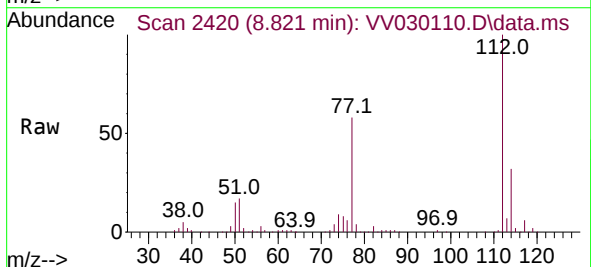
Tgt Ion:112 Resp: 158358

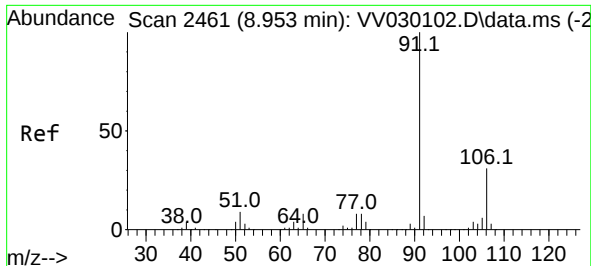
Ion Ratio Lower Upper

112 100

114 32.3 22.5 41.7

77 57.7 45.3 67.9

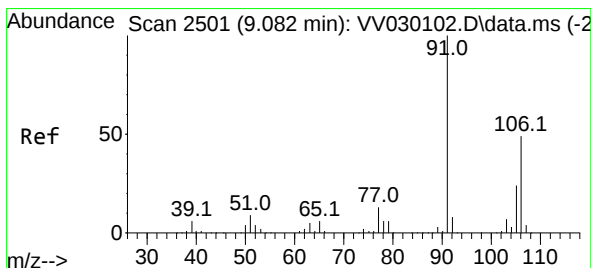
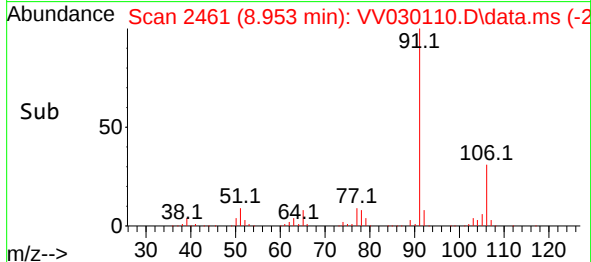
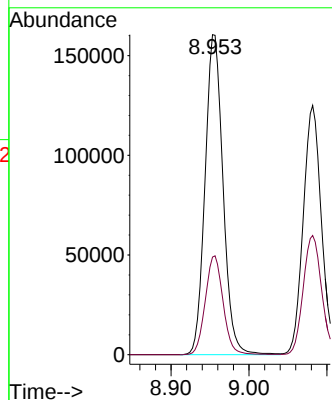
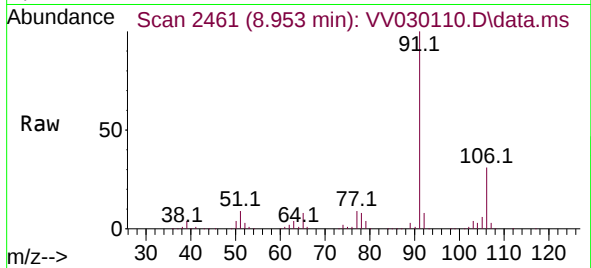




#52
Ethylbenzene
Concen: 5.344 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

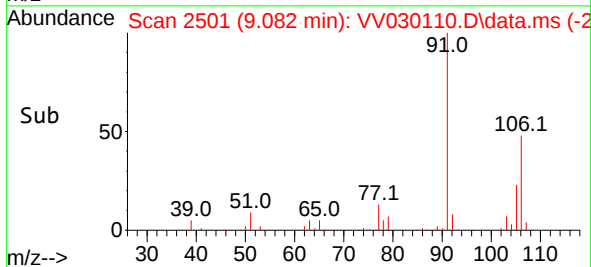
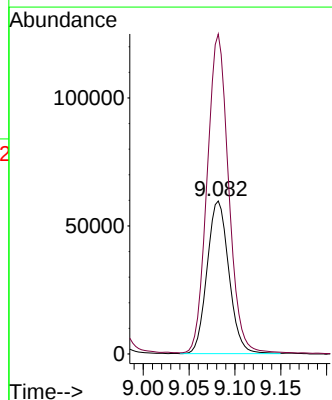
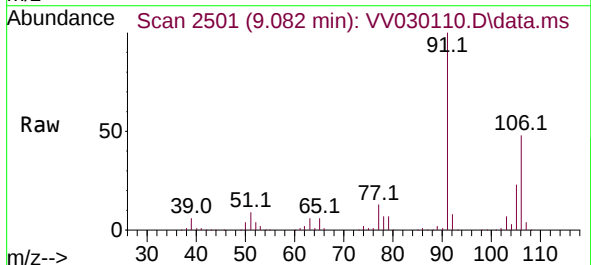
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

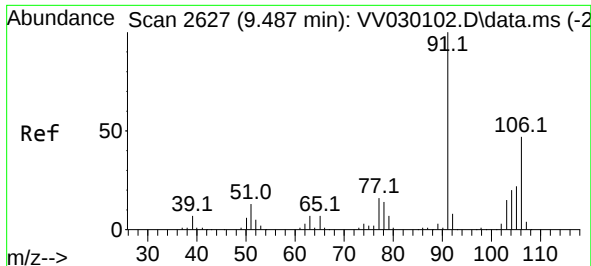
Tgt Ion: 91 Resp: 257387
Ion Ratio Lower Upper
91 100
106 30.5 22.0 40.8



#53
m,p-Xylene
Concen: 5.322 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 106 Resp: 98523
Ion Ratio Lower Upper
106 100
91 209.2 142.5 264.7

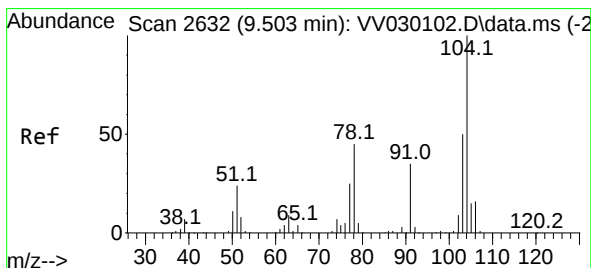
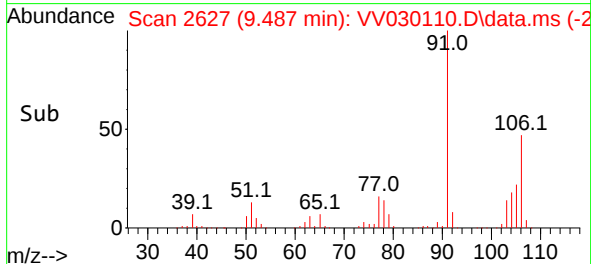
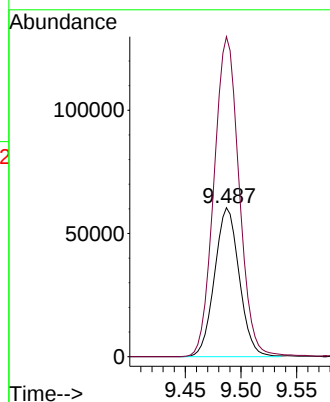
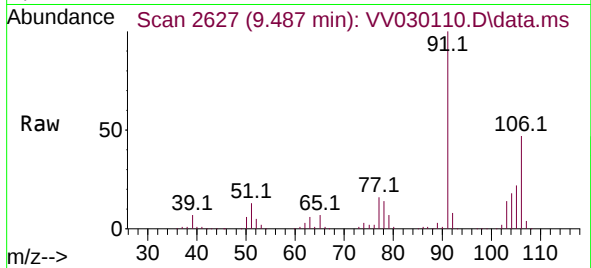




#54
o-Xylene
Concen: 5.267 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

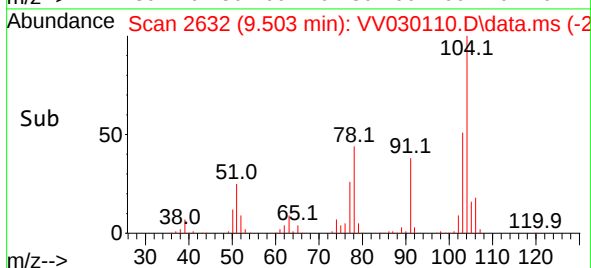
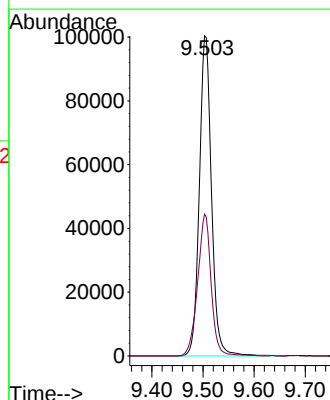
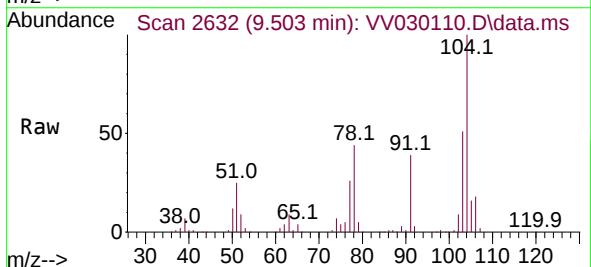
Instrument : MSVOA_V
ClientSampleId : VSTD005289

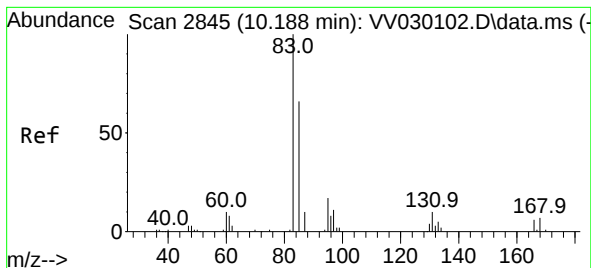
Tgt Ion:106 Resp: 93125
Ion Ratio Lower Upper
106 100
91 214.9 148.8 276.4



#55
Styrene
Concen: 5.636 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion:104 Resp: 165717
Ion Ratio Lower Upper
104 100
78 44.3 31.1 57.9

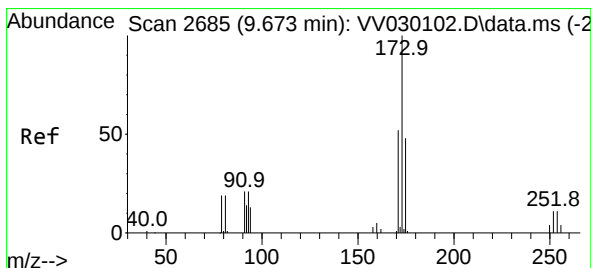
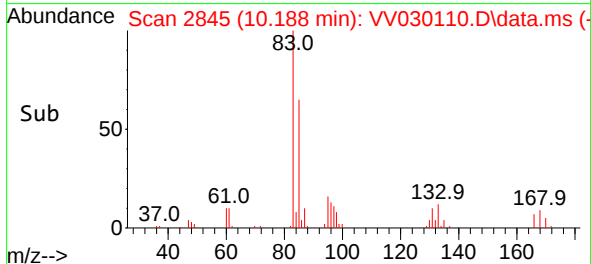
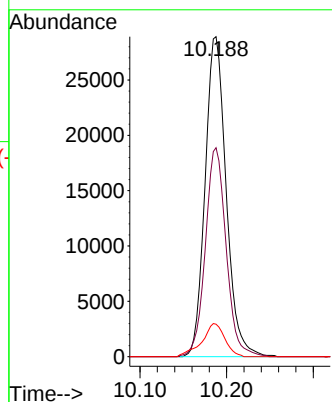
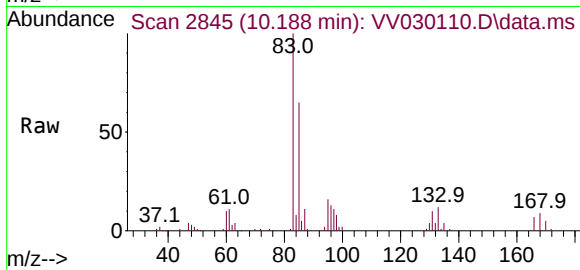




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.876 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. 0.000 min
 Lab File: VV030110.D
 Acq: 01 Mar 2023 15:16

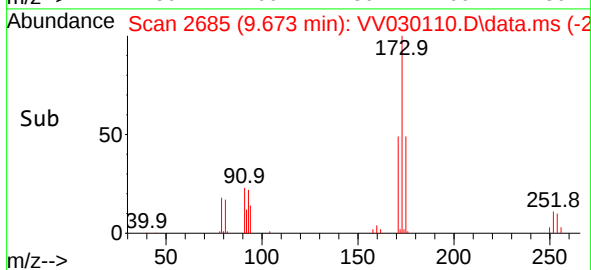
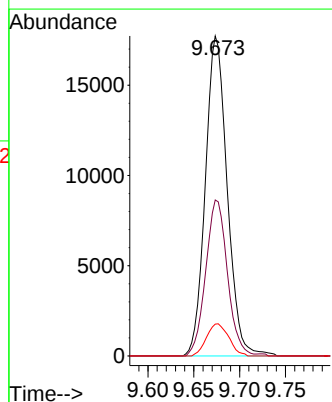
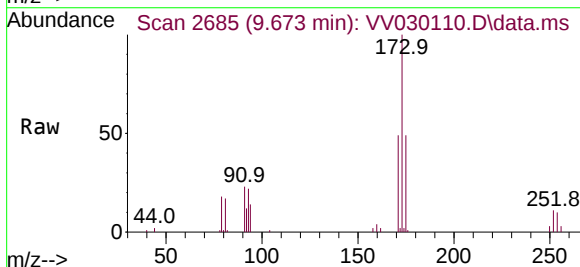
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005289

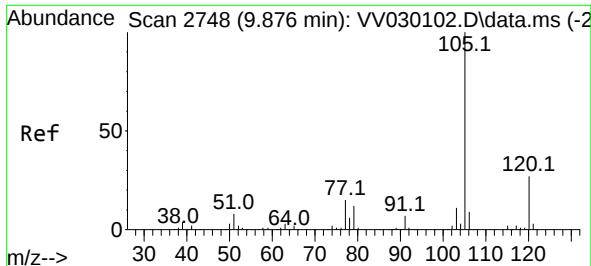
Tgt Ion: 83 Resp: 48895
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.0 83.6
 131 10.1 8.2 12.4



#59
 Bromoform
 Concen: 5.528 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. 0.000 min
 Lab File: VV030110.D
 Acq: 01 Mar 2023 15:16

Tgt Ion: 173 Resp: 29394
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.5 57.7
 254 10.2 8.6 13.0

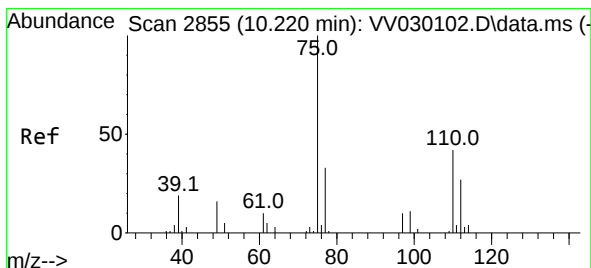
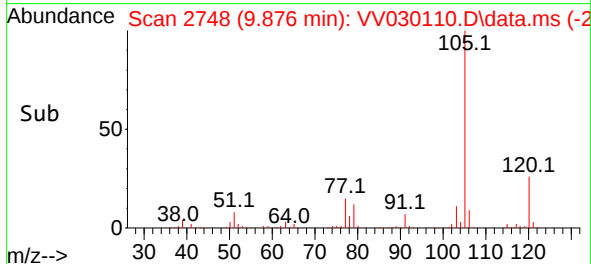
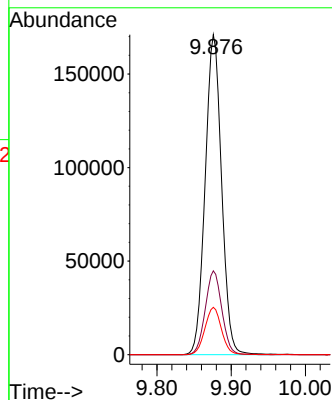
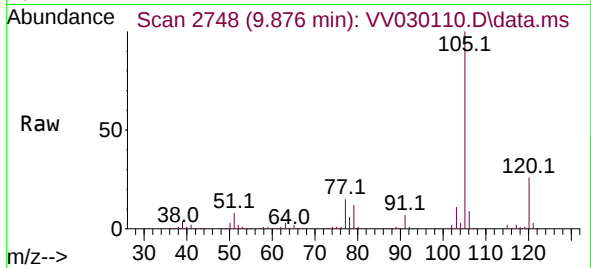




#60
Isopropylbenzene
Concen: 5.131 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

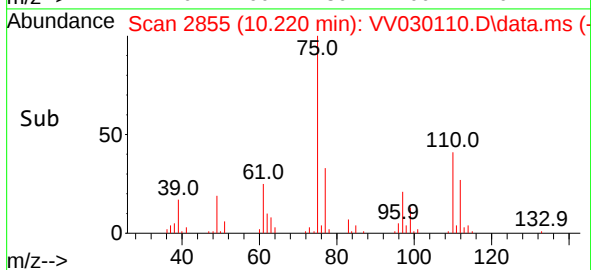
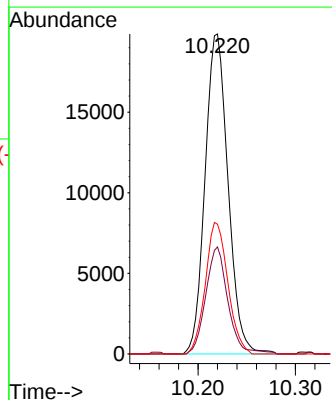
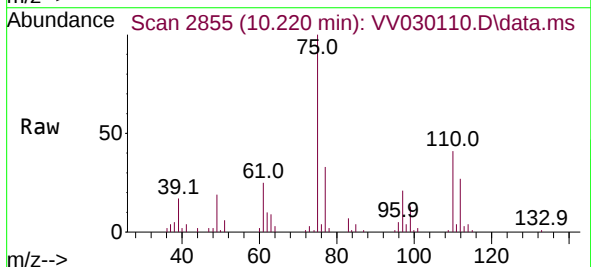
Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

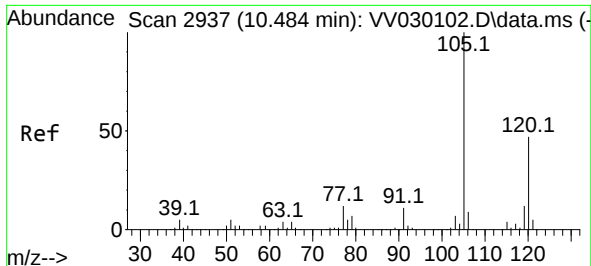
Tgt Ion:105 Resp: 261919
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 15.0 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.484 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion: 75 Resp: 32560
Ion Ratio Lower Upper
75 100
77 32.1 26.5 39.7
110 40.2 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.990 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

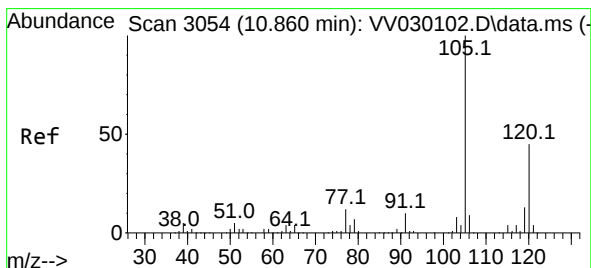
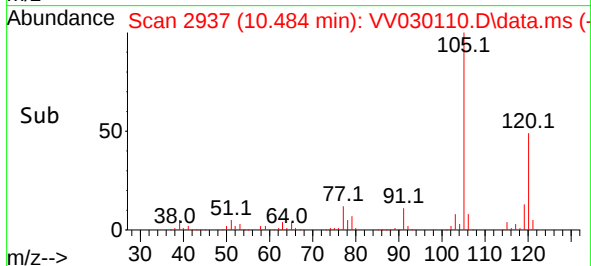
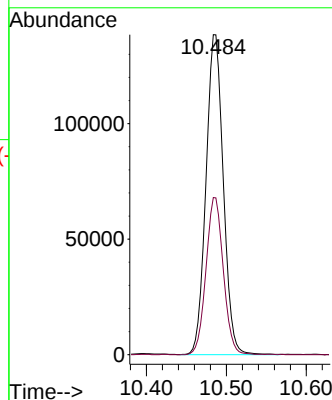
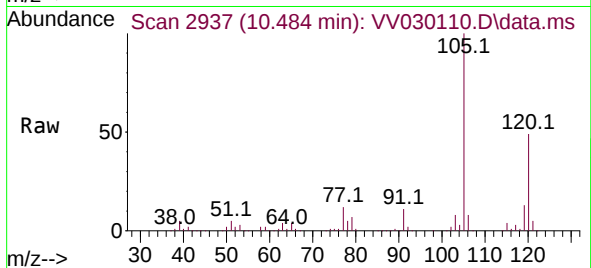
VSTD005289

Tgt Ion:105 Resp: 209204

Ion Ratio Lower Upper

105 100

120 49.1 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 5.100 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030110.D

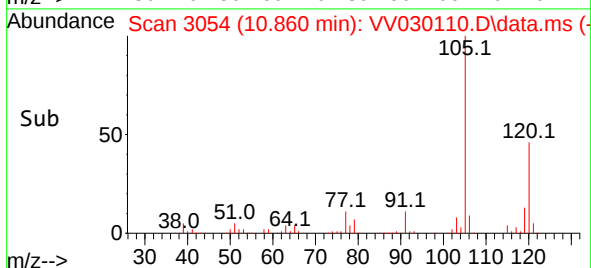
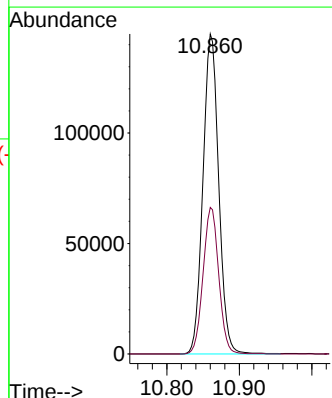
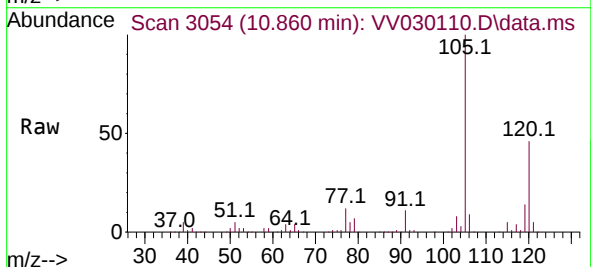
Acq: 01 Mar 2023 15:16

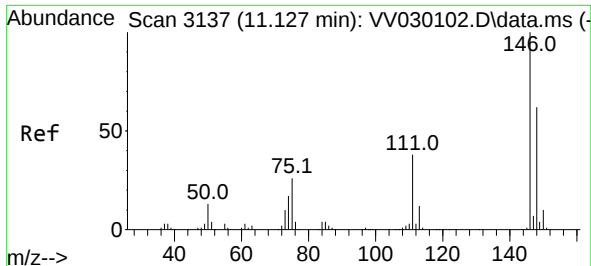
Tgt Ion:105 Resp: 218727

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 5.207 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

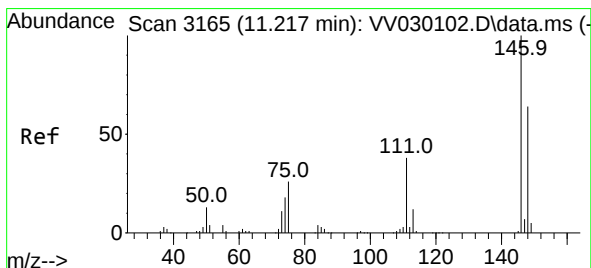
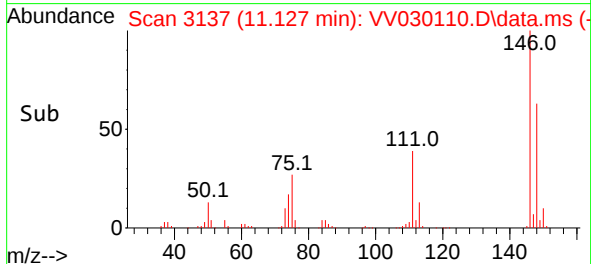
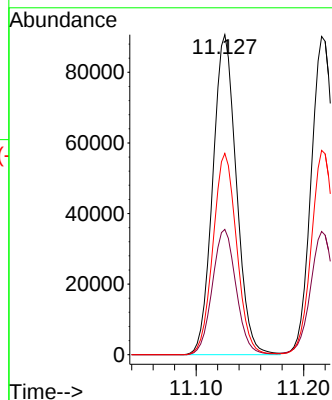
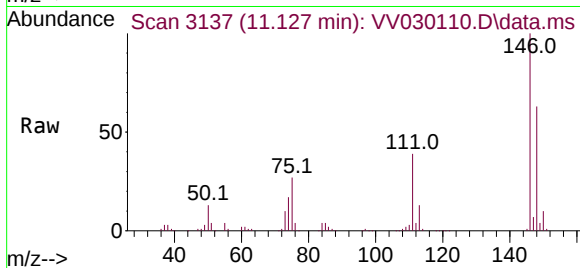
Tgt Ion:146 Resp: 138390

Ion Ratio Lower Upper

146 100

111 39.1 27.7 51.5

148 62.9 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 5.199 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

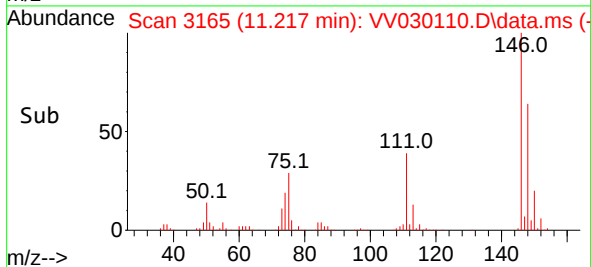
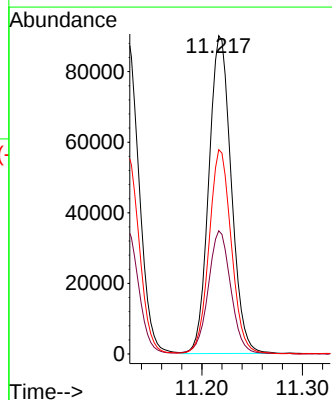
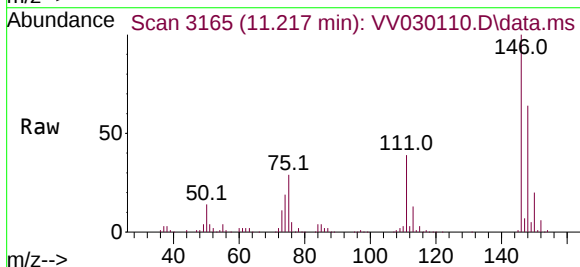
Tgt Ion:146 Resp: 139407

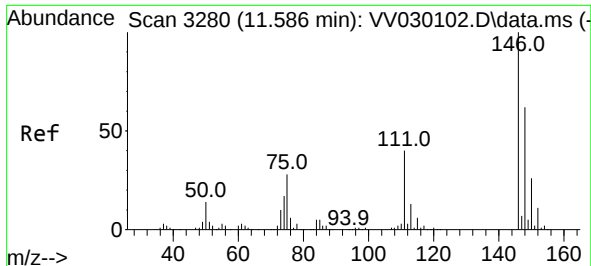
Ion Ratio Lower Upper

146 100

111 38.7 27.4 51.0

148 64.2 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.270 ug/L

RT: 11.590 min Scan# 3281

Delta R.T. 0.003 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

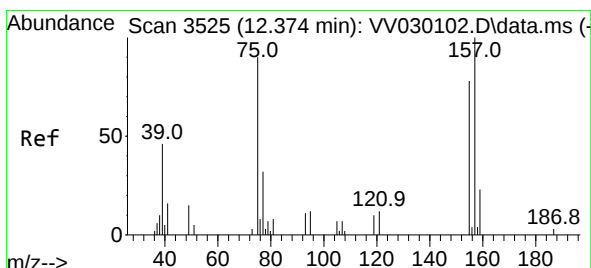
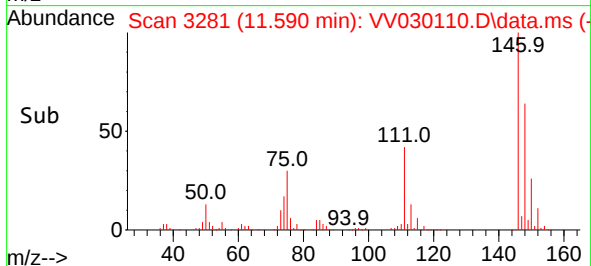
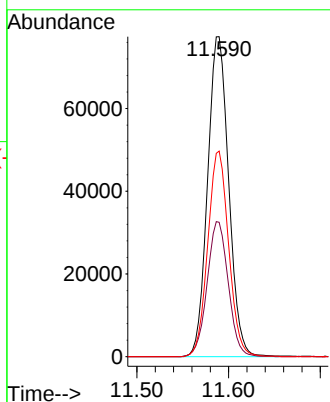
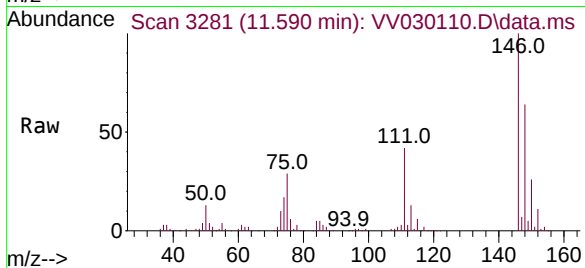
Tgt Ion:146 Resp: 123682

Ion Ratio Lower Upper

146 100

111 42.0 33.5 50.3

148 64.3 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.198 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

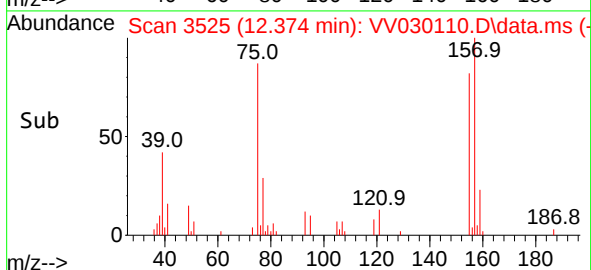
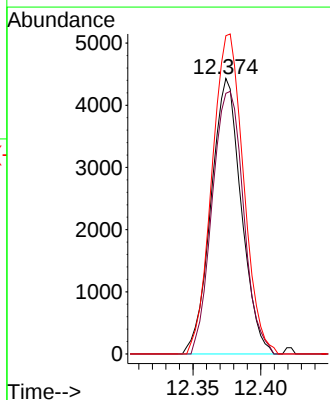
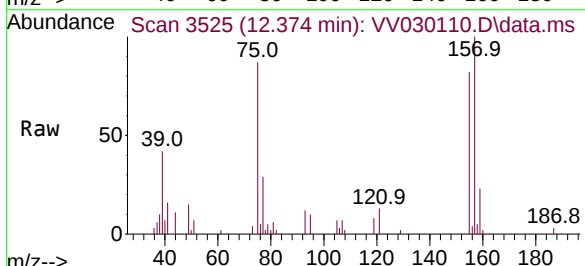
Tgt Ion: 75 Resp: 6893

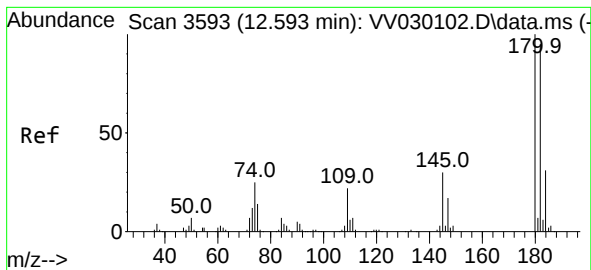
Ion Ratio Lower Upper

75 100

155 94.6 79.1 118.7

157 115.5 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.893 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005289

Tgt Ion:180 Resp: 106897

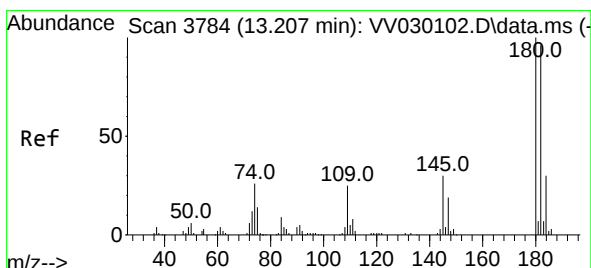
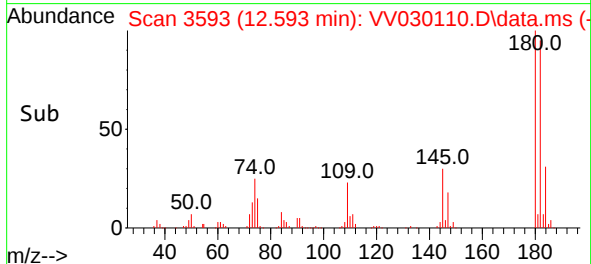
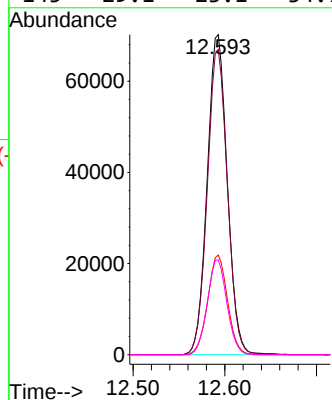
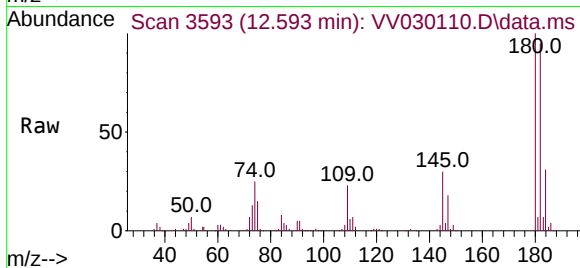
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 30.5 24.3 36.5

145 29.1 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.835 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030110.D

Acq: 01 Mar 2023 15:16

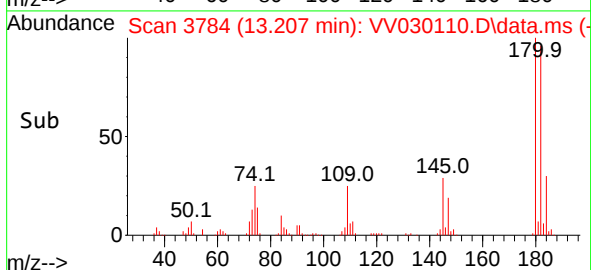
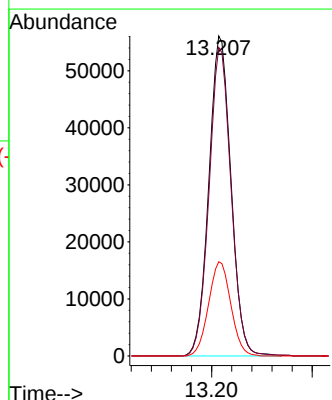
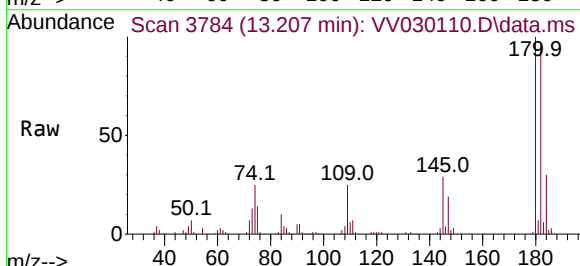
Tgt Ion:180 Resp: 85579

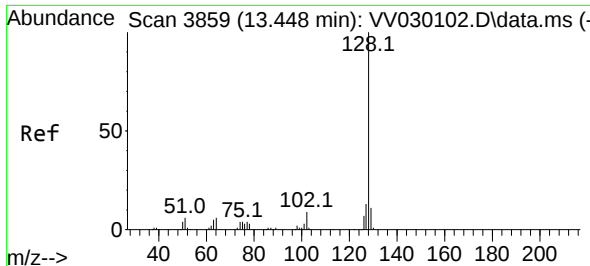
Ion Ratio Lower Upper

180 100

182 96.1 77.3 115.9

145 29.6 23.1 34.7

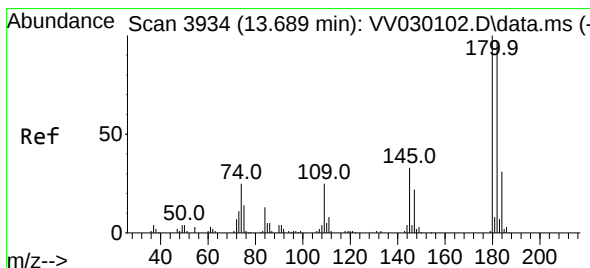
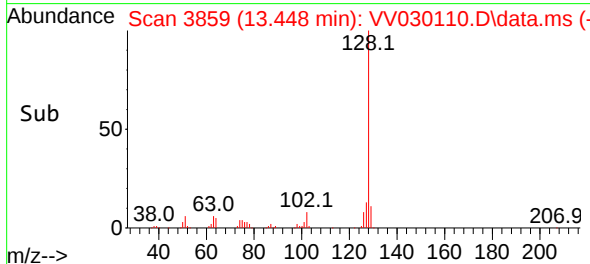
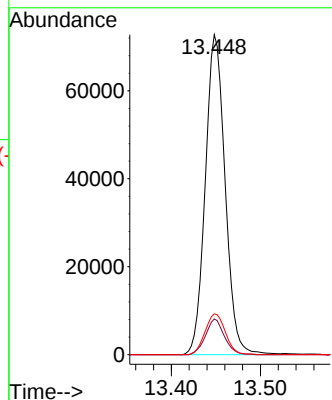
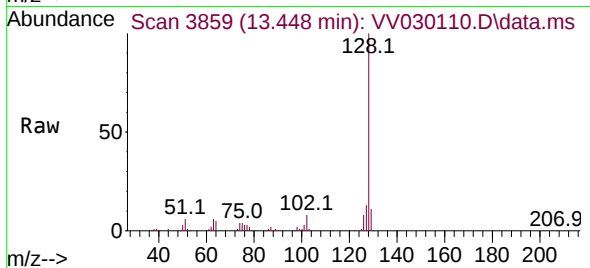




#71
Naphthalene
Concen: 4.854 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD005289

Tgt Ion:128 Resp: 112265
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.1 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 5.070 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030110.D
Acq: 01 Mar 2023 15:16

Tgt Ion:180 Resp: 73867
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.2
145 30.9 25.1 37.7

