

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031523\
 Data File : VW030204.D
 Acq On : 15 Mar 2023 11:11
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Quant Time: Mar 16 01:43:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 15 01:37:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	157623	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	159412	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	99419	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	51979	5.096	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.539	69	46321	4.838	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.066	63	103584	4.940	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.800%
20) 2-Butanone-d5	3.825	46	85828	45.644	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.280%
24) Chloroform-d	4.259	84	104144	4.999	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.000%
26) 1,2-Dichloroethane-d4	4.953	65	42043	4.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.800%
32) Benzene-d6	4.969	84	189885	4.427	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	5.998	67	56687	4.393	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.800%
41) Toluene-d8	7.249	98	192516	4.735	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.600%
43) trans-1,3-Dichloroprop...	7.561	79	21748	4.926	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.600%
46) 2-Hexanone-d5	8.034	63	79237	43.381	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.760%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	46225	5.035	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	73498	4.369	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	56629	4.416	ug/L	100
3) Chloromethane	1.217	50	77113	3.816	ug/L	99
5) Vinyl chloride	1.285	62	58136	4.329	ug/L	100
6) Bromomethane	1.494	94	14252	5.912	ug/L	96
8) Chloroethane	1.555	64	37598	4.595	ug/L	100
9) Trichlorofluoromethane	1.719	101	97149	5.042	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	60874	5.094	ug/L	98
12) 1,1-Dichloroethene	2.076	96	50833	4.806	ug/L	97
13) Acetone	2.150	43	66705	47.996	ug/L	# 46
14) Carbon disulfide	2.246	76	114342	4.040	ug/L	98
15) Methyl Acetate	2.391	43	13856	4.269	ug/L	90
16) Methylene chloride	2.455	84	68427	5.295	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	92225	4.458	ug/L	100
18) trans-1,2-Dichloroethene	2.703	96	45162	4.488	ug/L	99
19) 1,1-Dichloroethane	3.121	63	91029	4.856	ug/L	97
21) 2-Butanone	3.908	43	86979	46.534	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	49614	4.461	ug/L	94
23) Bromochloromethane	4.159	128	24476	5.150	ug/L	94
25) Chloroform	4.288	83	100115	5.134	ug/L	99

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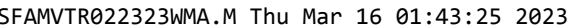
Instrument :
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 ClientSampleId :
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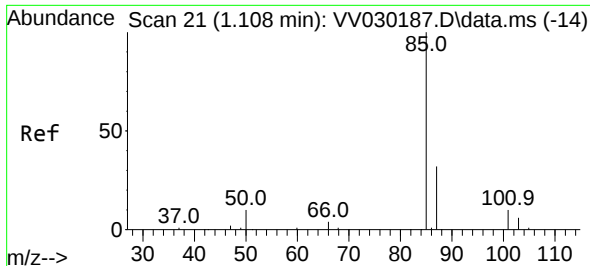
Quant Time: Mar 16 01:43:16 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	50564	4.957	ug/L	99
29) 1,1,1-Trichloroethane	4.523	97	91324	4.877	ug/L	99
30) Cyclohexane	4.596	56	57891	3.578	ug/L	99
31) Carbon tetrachloride	4.744	117	79738	4.737	ug/L	99
33) Benzene	5.021	78	197945	4.547	ug/L	100
34) Trichloroethene	5.844	95	52110	4.272	ug/L	98
35) Methylcyclohexane	6.059	83	69784	3.780	ug/L	96
37) 1,2-Dichloropropane	6.101	63	51897	4.685	ug/L	100
38) Bromodichloromethane	6.442	83	69516	4.916	ug/L	99
39) cis-1,3-Dichloropropene	6.963	75	68241	4.209	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	217637	47.618	ug/L	99
42) Toluene	7.323	91	219556	4.656	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	58948	4.657	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	38583	4.868	ug/L	97
47) Tetrachloroethene	7.911	164	47266	4.514	ug/L	98
48) 2-Hexanone	8.085	43	161341	49.310	ug/L	99
49) Dibromochloromethane	8.185	129	47700	5.143	ug/L	99
50) 1,2-Dibromoethane	8.291	107	36079	4.879	ug/L	98
51) Chlorobenzene	8.821	112	146259	4.599	ug/L	99
52) Ethylbenzene	8.953	91	225417	4.393	ug/L	100
53) m,p-Xylene	9.082	106	88763	4.501	ug/L	98
54) o-Xylene	9.487	106	83112	4.412	ug/L	97
55) Styrene	9.503	104	151192	4.826	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	46369	5.231	ug/L	98
59) Bromoform	9.673	173	29088	4.881	ug/L	98
60) Isopropylbenzene	9.876	105	237965	4.160	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	29853	4.486	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	186771	3.975	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	196312	4.084	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	132351	4.443	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	135340	4.503	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	121070	4.603	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	6294	4.235	ug/L	97
69) 1,3,5-Trichlorobenzene	12.593	180	102556	4.188	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	76576	3.860	ug/L	99
71) Naphthalene	13.448	128	96969	3.741	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	66499	4.072	ug/L	99

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

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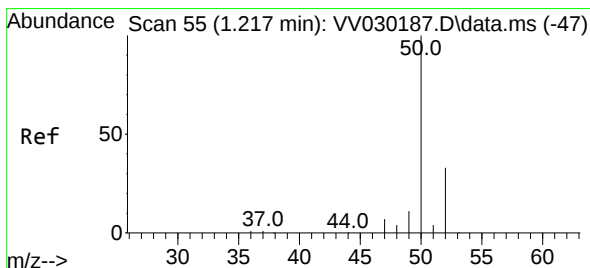
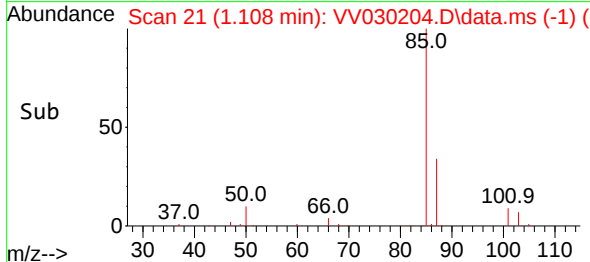
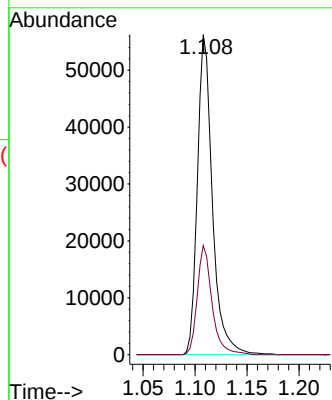
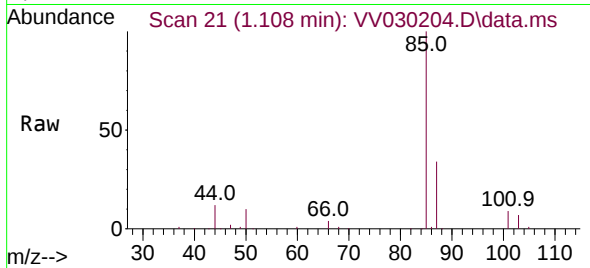




#2
 Dichlorodifluoromethane
 Concen: 4.416 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

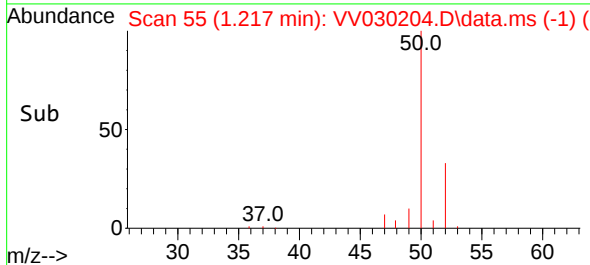
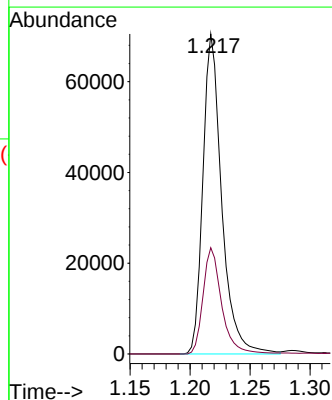
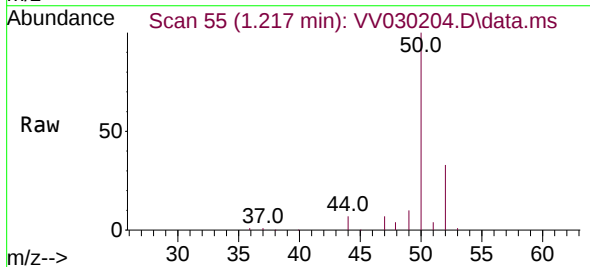
Instrument :
 MSVOA_V
 ClientSampleId :
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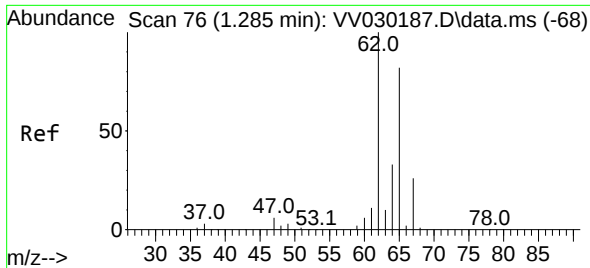
Tgt Ion: 85 Resp: 56629
 Ion Ratio Lower Upper
 85 100
 87 33.4 26.6 39.8



#3
 Chloromethane
 Concen: 3.816 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

Tgt Ion: 50 Resp: 77113
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.6 43.8

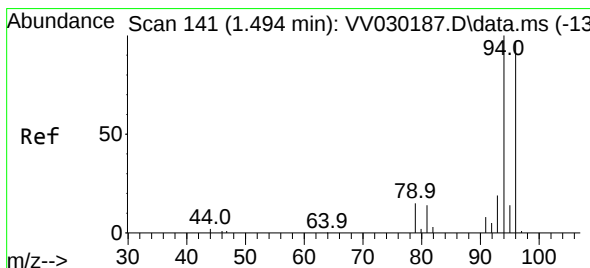
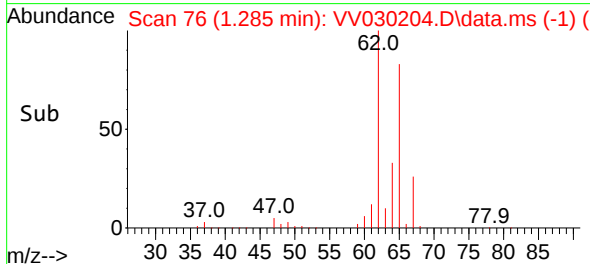
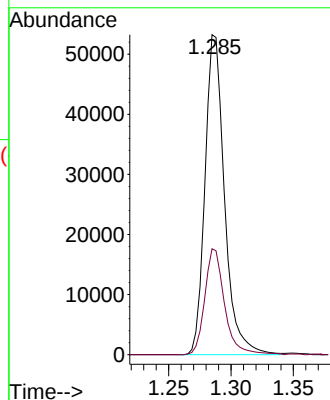
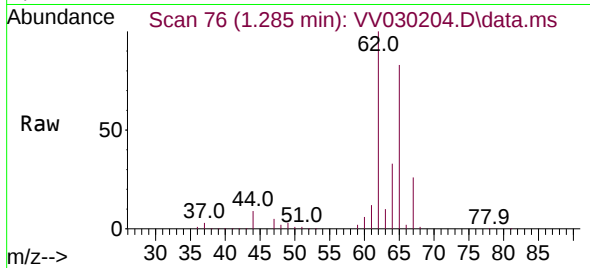




#5
 Vinyl chloride
 Concen: 4.329 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

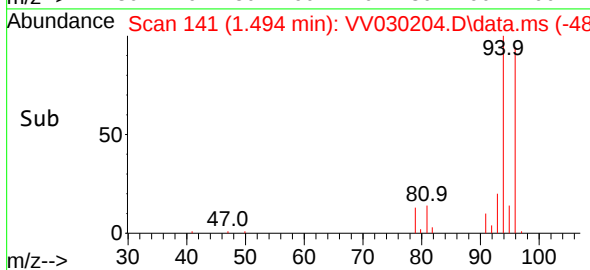
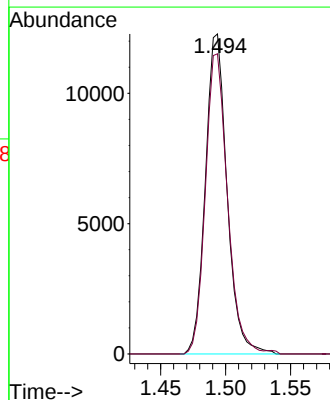
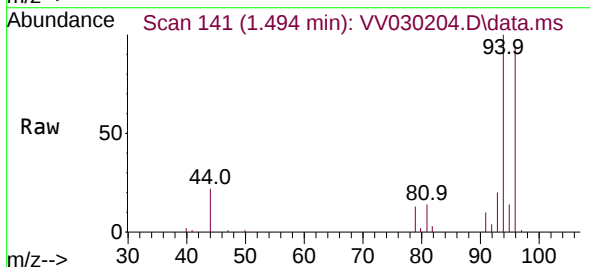
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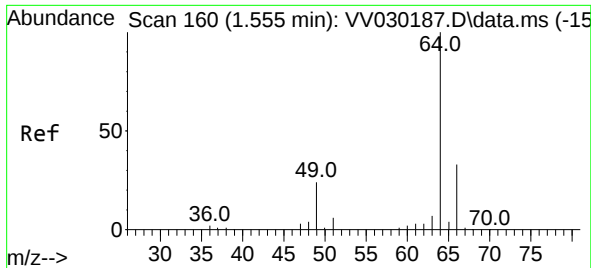
Tgt Ion: 62 Resp: 58136
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.1 42.9



#6
 Bromomethane
 Concen: 5.912 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

Tgt Ion: 94 Resp: 14252
 Ion Ratio Lower Upper
 94 100
 96 93.8 68.4 127.0

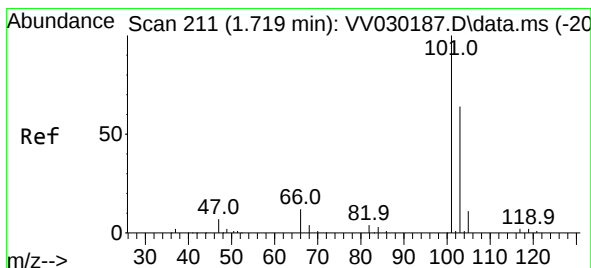
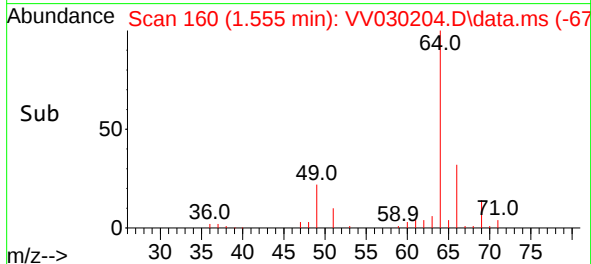
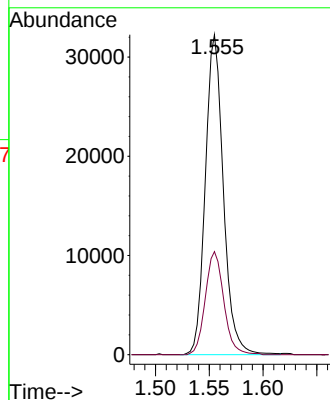
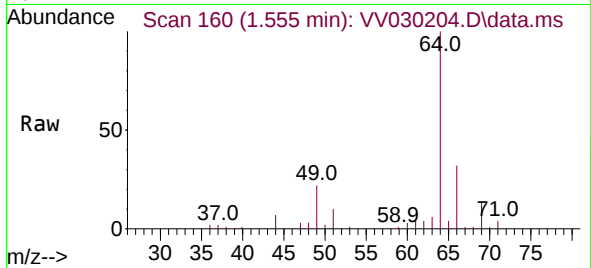




#8
Chloroethane
Concen: 4.595 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

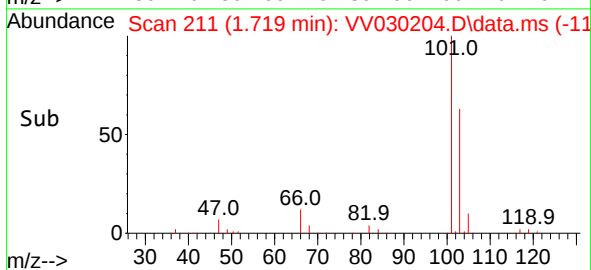
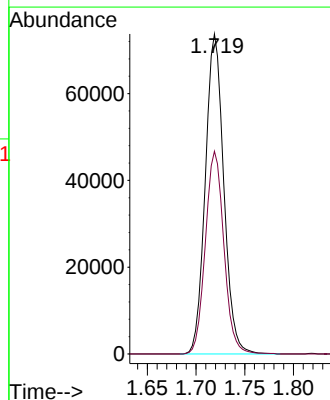
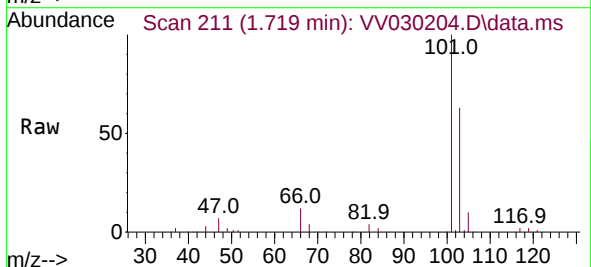
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ClientSampleId :
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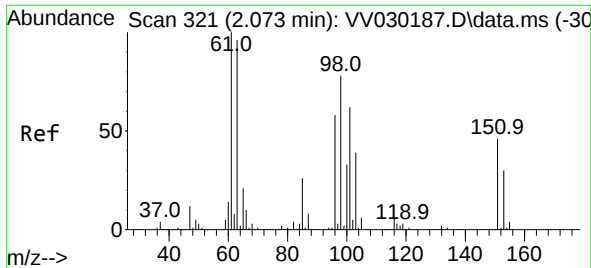
Tgt Ion: 64 Resp: 37598
Ion Ratio Lower Upper
64 100
66 32.2 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.042 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion:101 Resp: 97149
Ion Ratio Lower Upper
101 100
103 63.6 52.7 79.1

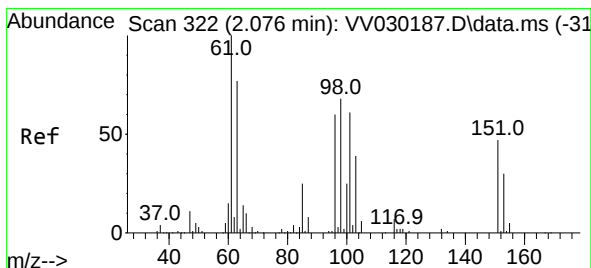
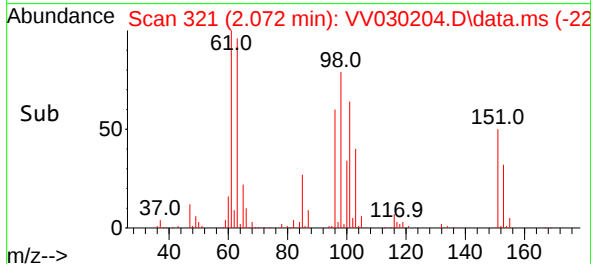
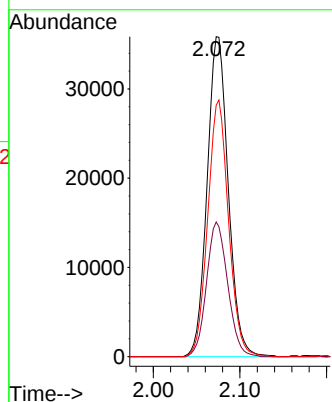
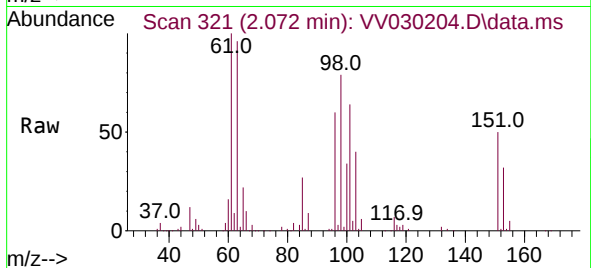




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.094 ug/L
 RT: 2.072 min Scan# 311
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

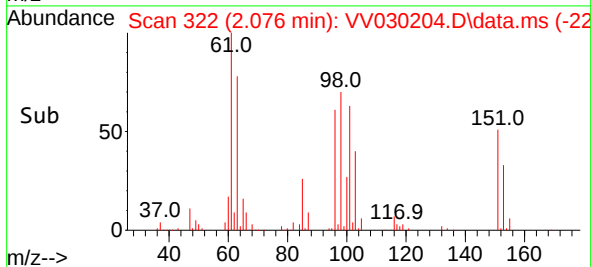
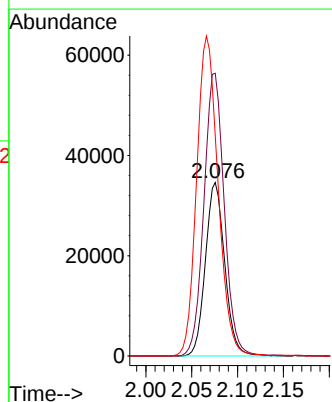
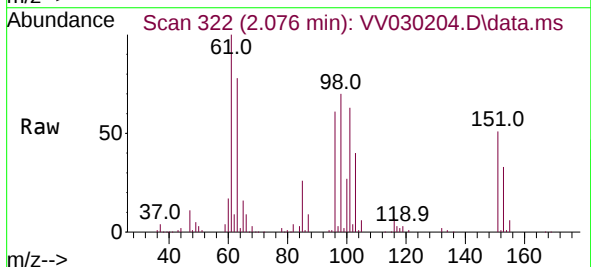
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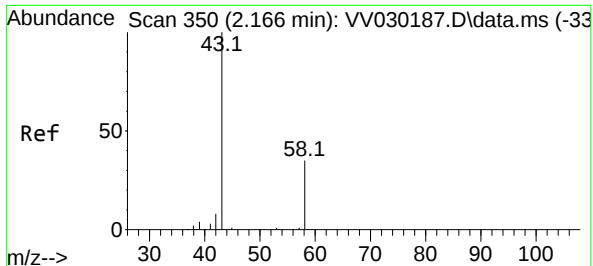
Tgt Ion:101 Resp: 60874
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.5 50.3
 151 79.0 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.806 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

Tgt Ion: 96 Resp: 50833
 Ion Ratio Lower Upper
 96 100
 61 163.0 115.6 214.6
 63 127.0 85.6 159.0





#13

Acetone

Concen: 47.996 ug/L

RT: 2.150 min Scan# 34

Delta R.T. -0.016 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

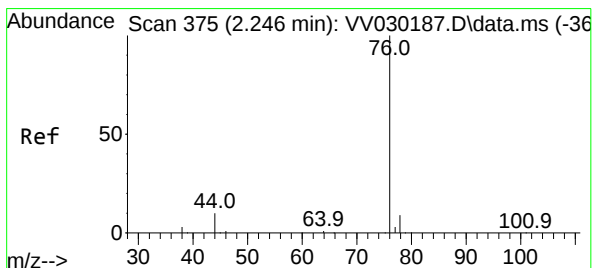
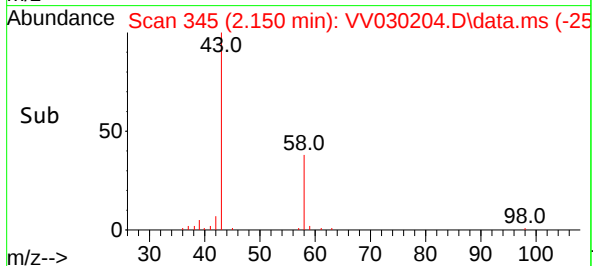
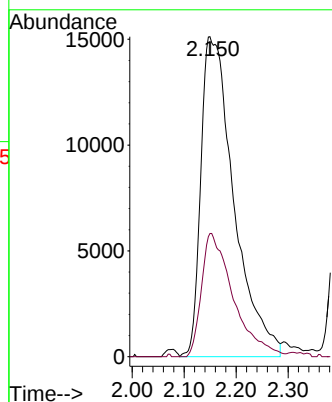
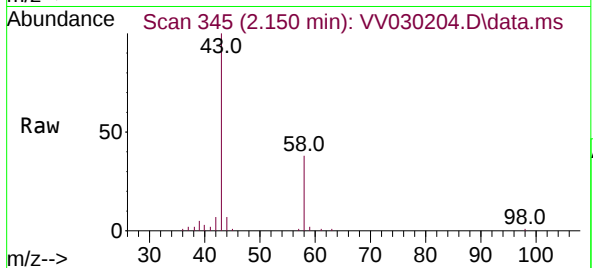
VSTD005302

Tgt Ion: 43 Resp: 66705

Ion Ratio Lower Upper

43 100

58 37.0 0.0 29.4#



#14

Carbon disulfide

Concen: 4.040 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030204.D

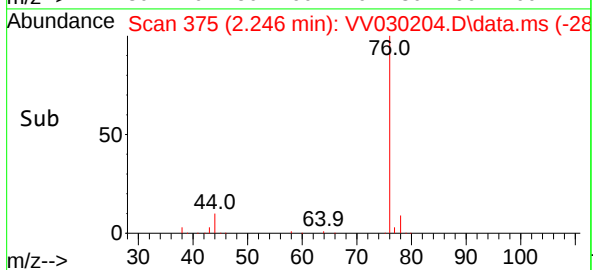
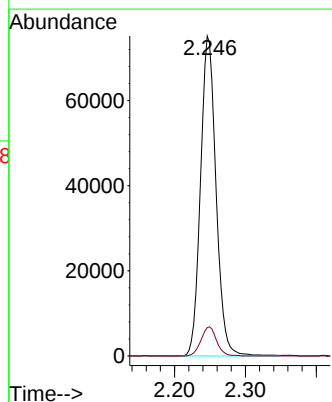
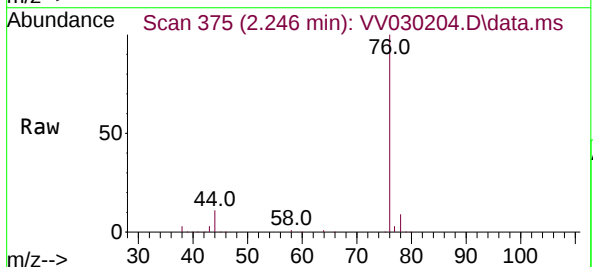
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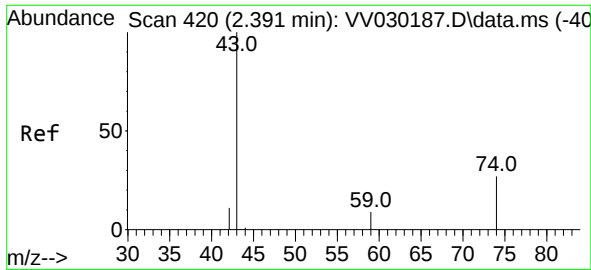
Tgt Ion: 76 Resp: 114342

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5

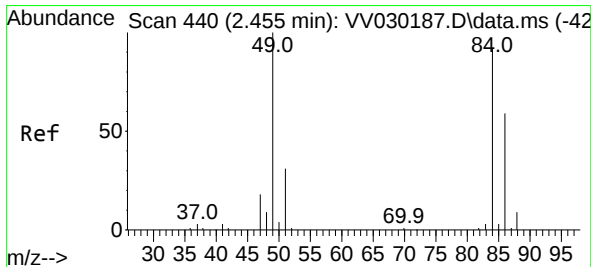
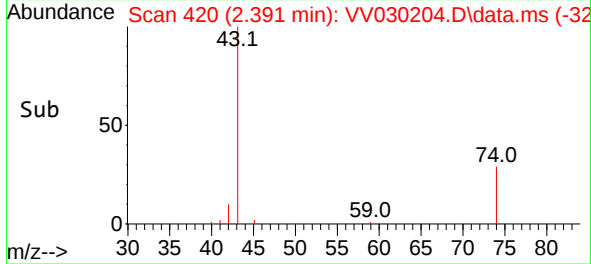
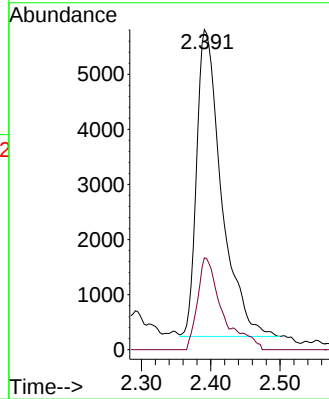
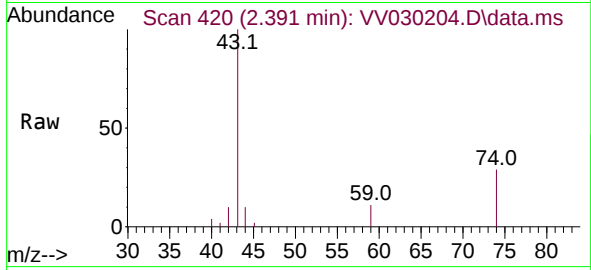




#15
Methyl Acetate
Concen: 4.269 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

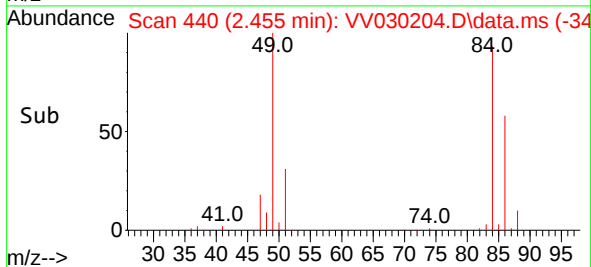
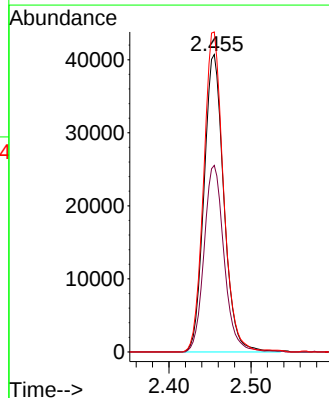
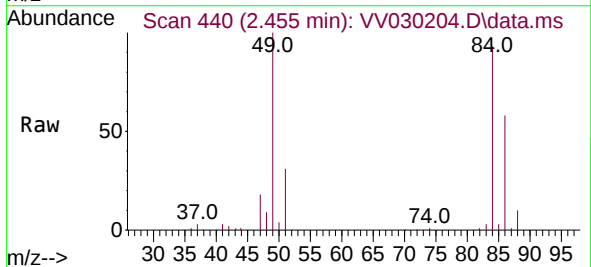
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

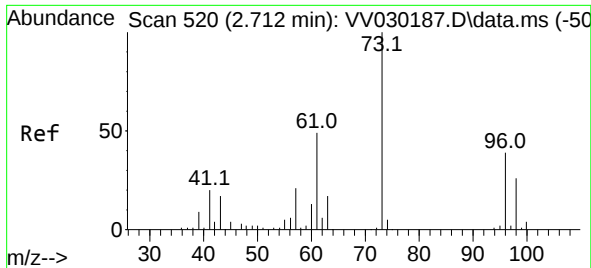
Tgt Ion: 43 Resp: 13856
Ion Ratio Lower Upper
43 100
74 29.9 20.1 30.1



#16
Methylene chloride
Concen: 5.295 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion: 84 Resp: 68427
Ion Ratio Lower Upper
84 100
86 62.7 44.7 83.1
49 107.6 78.8 146.3

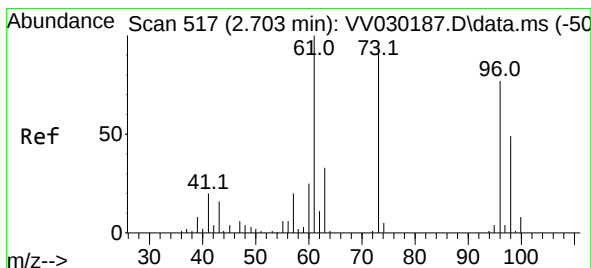
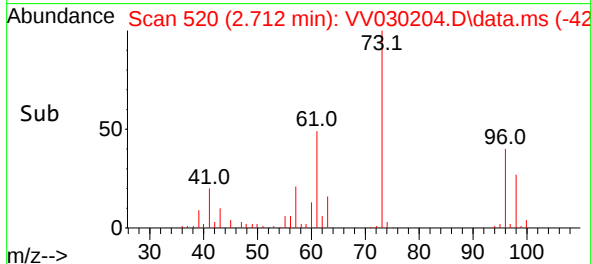
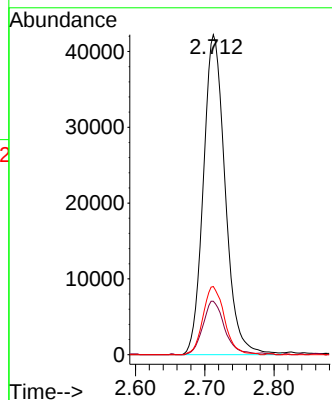
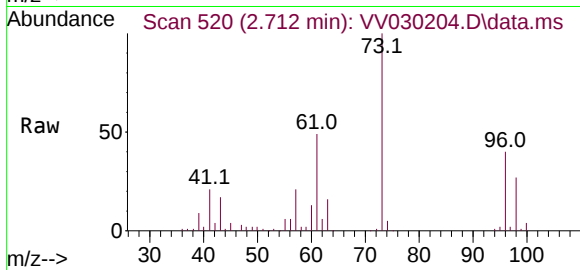




#17
Methyl tert-butyl Ether
Concen: 4.458 ug/L
RT: 2.712 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

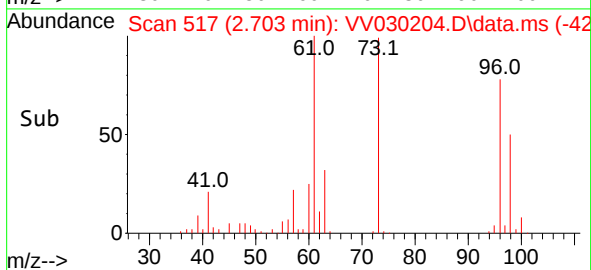
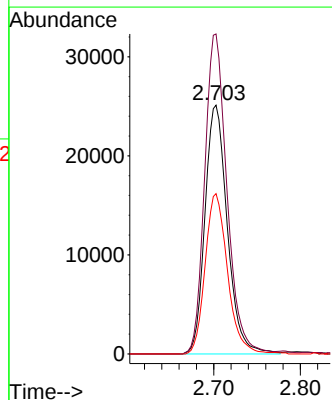
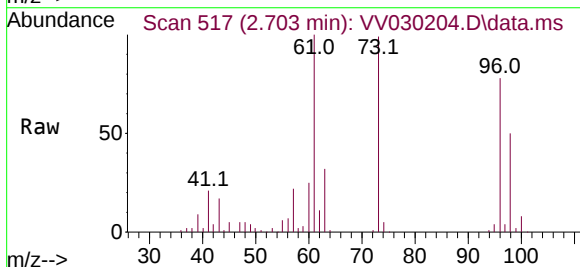
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

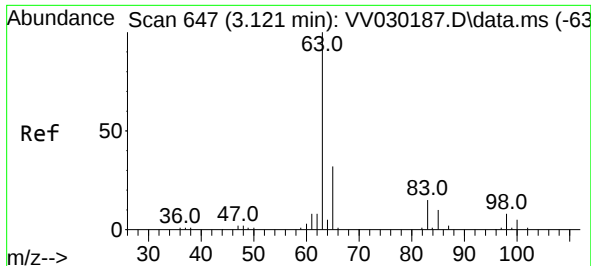
Tgt Ion: 73	Resp: 92225
Ion Ratio	Lower Upper
73 100	
43 16.6	13.4 20.2
57 21.0	16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.488 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion: 96	Resp: 45162
Ion Ratio	Lower Upper
96 100	
61 128.6	91.0 169.0
98 64.4	45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.856 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

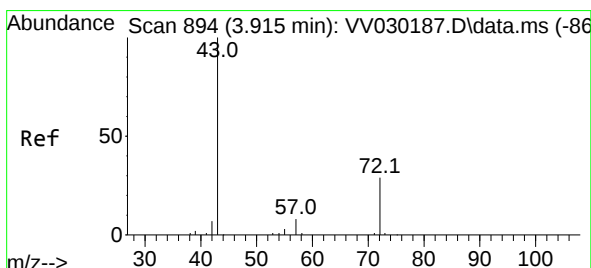
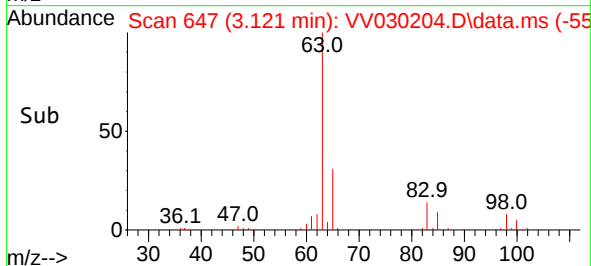
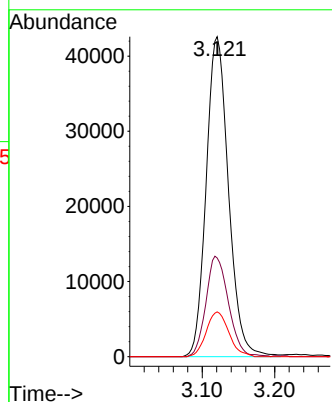
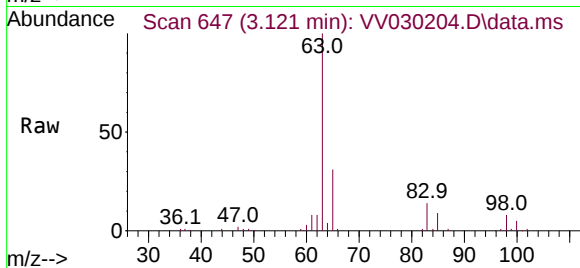
Tgt Ion: 63 Resp: 91029

Ion Ratio Lower Upper

63 100

65 30.9 23.0 42.8

83 14.0 9.6 17.8



#21

2-Butanone

Concen: 46.534 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.007 min

Lab File: VV030204.D

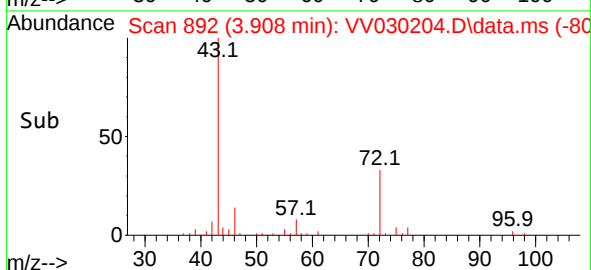
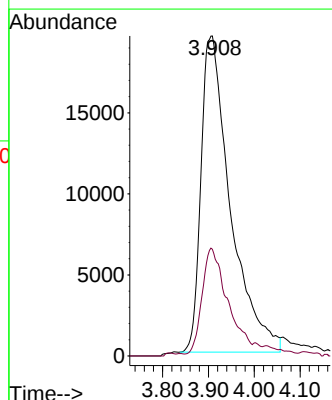
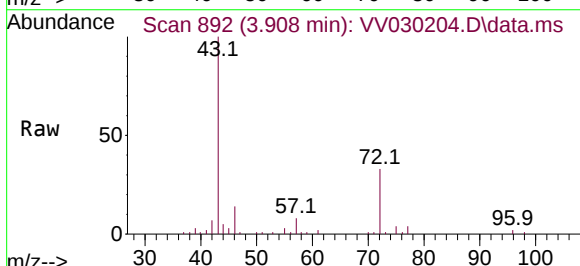
Acq: 15 Mar 2023 11:11

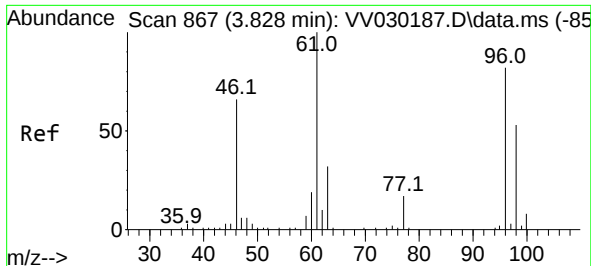
Tgt Ion: 43 Resp: 86979

Ion Ratio Lower Upper

43 100

72 28.8 15.1 45.3

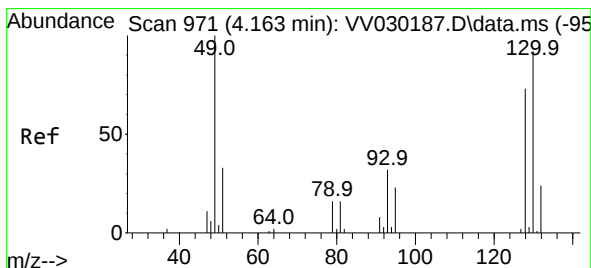
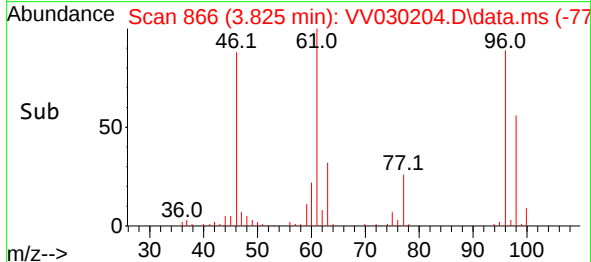
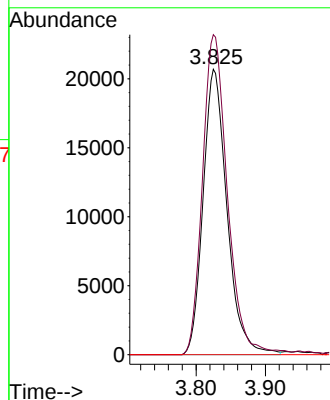
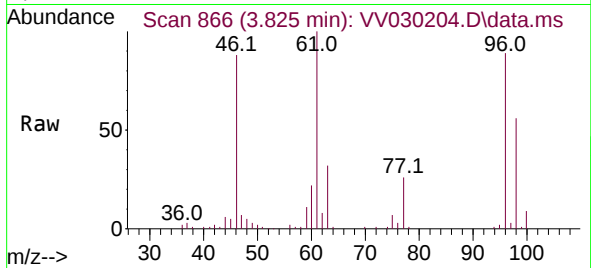




#22
 cis-1,2-Dichloroethene
 Concen: 4.461 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.003 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

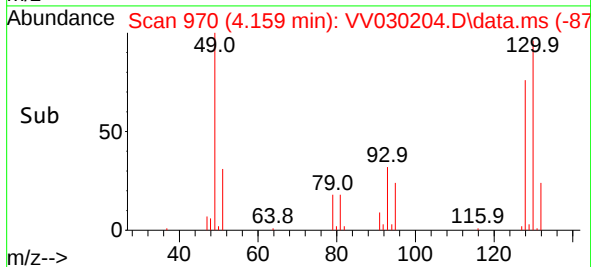
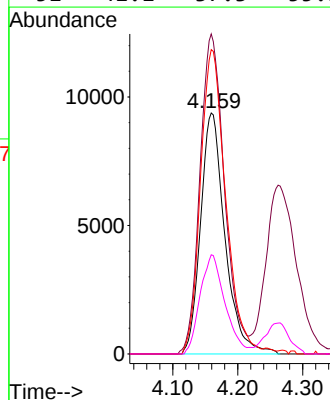
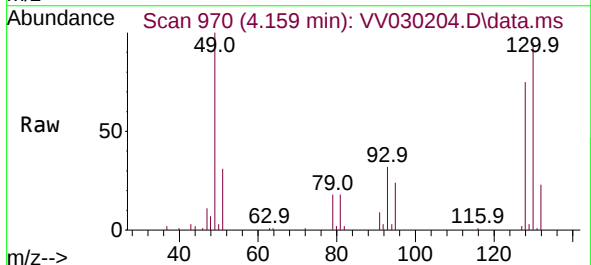
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

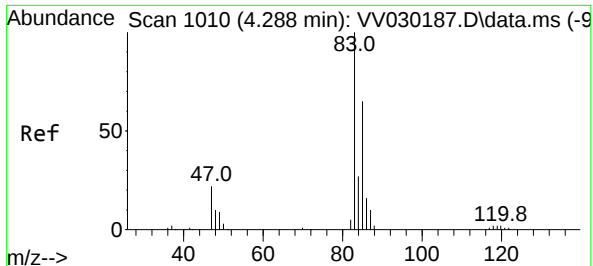
Tgt Ion: 96 Resp: 49614
 Ion Ratio Lower Upper
 96 100
 61 112.1 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.150 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.003 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

Tgt Ion: 128 Resp: 24476
 Ion Ratio Lower Upper
 128 100
 49 132.8 99.5 184.9
 130 126.3 90.5 168.1
 51 41.1 37.3 55.9





#25

Chloroform

Concen: 5.134 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

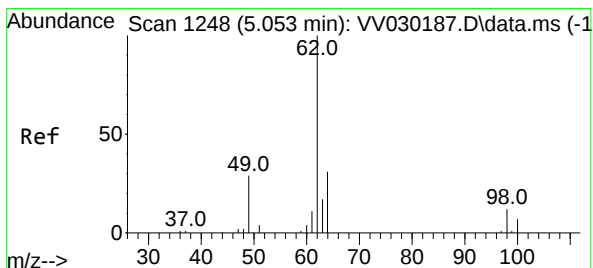
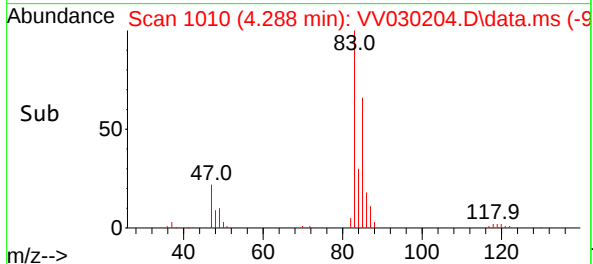
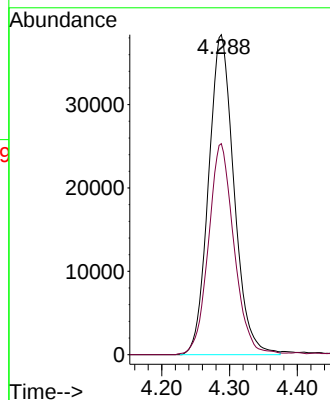
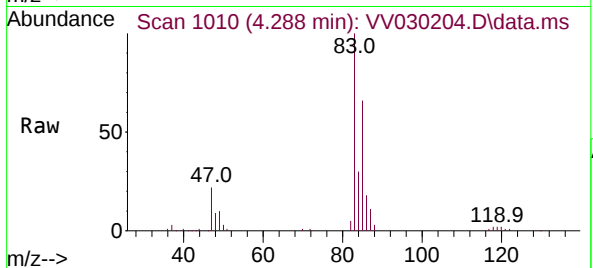
VSTD005302

Tgt Ion: 83 Resp: 100115

Ion Ratio Lower Upper

83 100

85 65.9 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.957 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030204.D

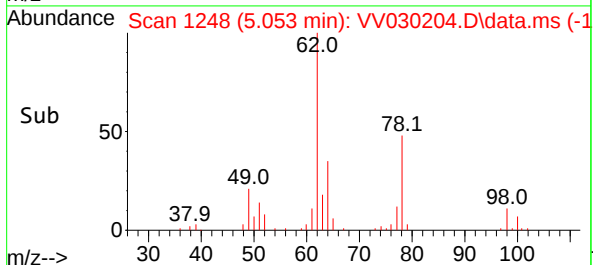
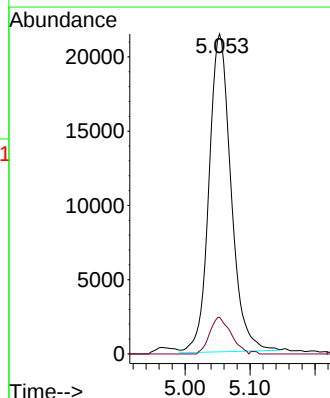
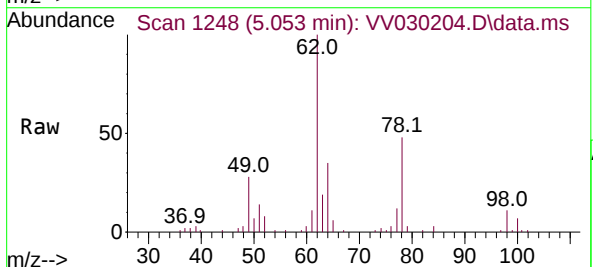
Acq: 15 Mar 2023 11:11

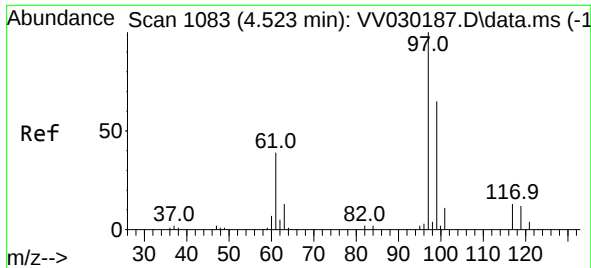
Tgt Ion: 62 Resp: 50564

Ion Ratio Lower Upper

62 100

98 11.4 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 4.877 ug/L

RT: 4.523 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

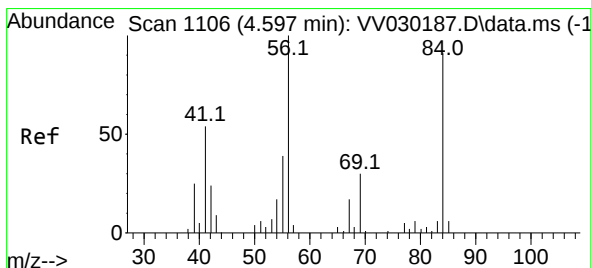
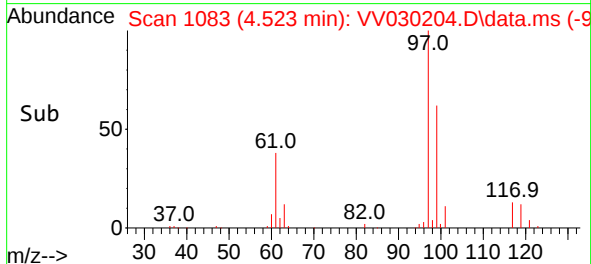
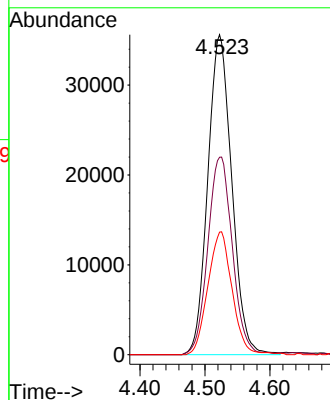
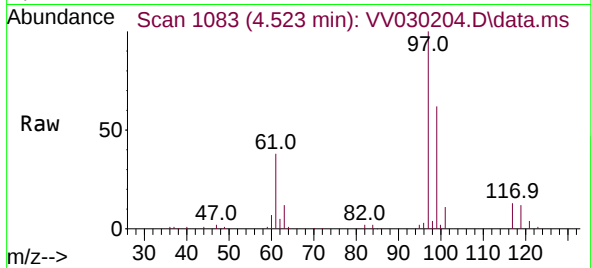
Tgt Ion: 97 Resp: 91324

Ion Ratio Lower Upper

97 100

99 63.4 51.3 76.9

61 38.7 31.5 47.3



#30

Cyclohexane

Concen: 3.578 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

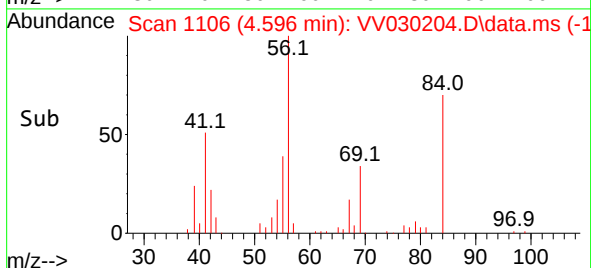
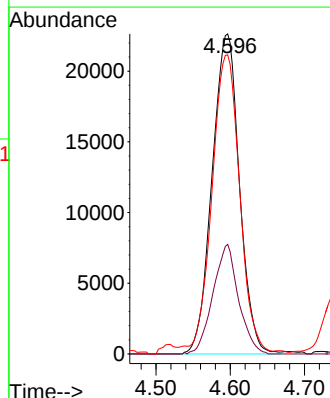
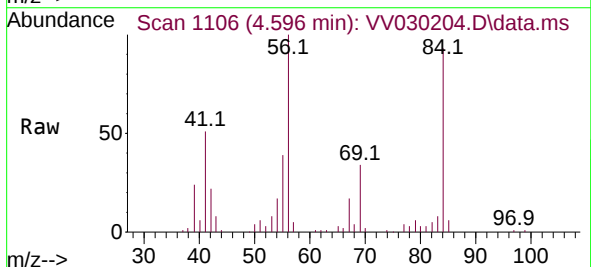
Tgt Ion: 56 Resp: 57891

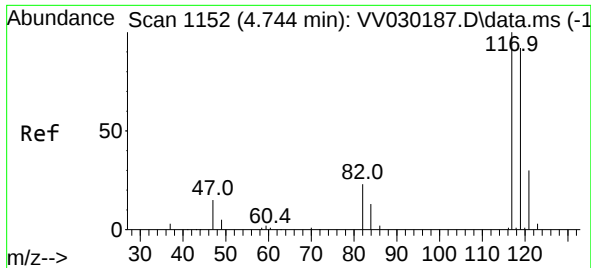
Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

84 93.9 74.6 111.8

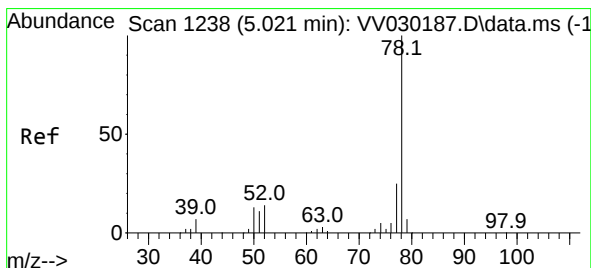
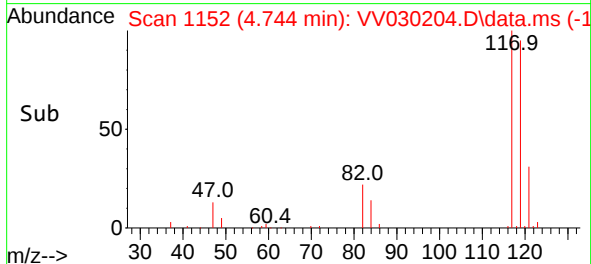
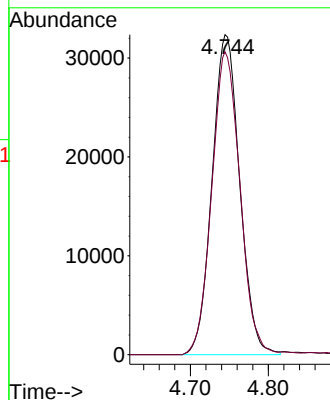
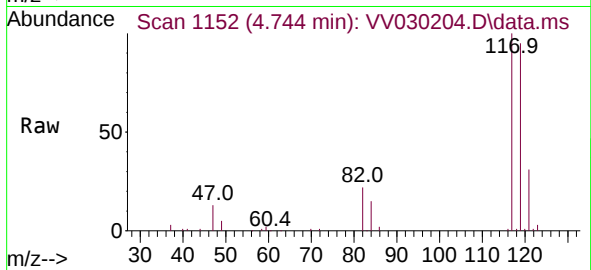




#31
Carbon tetrachloride
Concen: 4.737 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

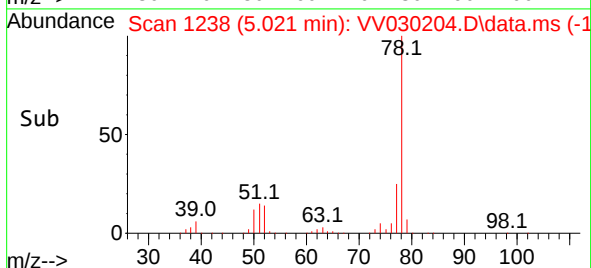
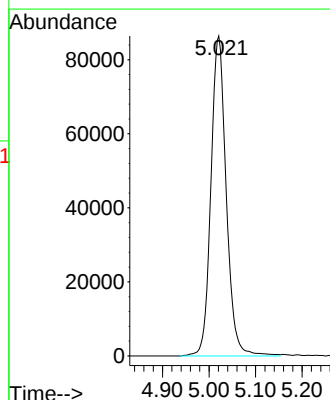
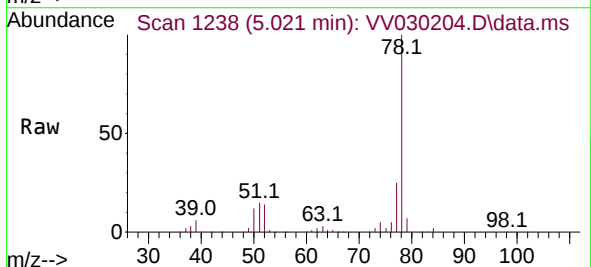
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

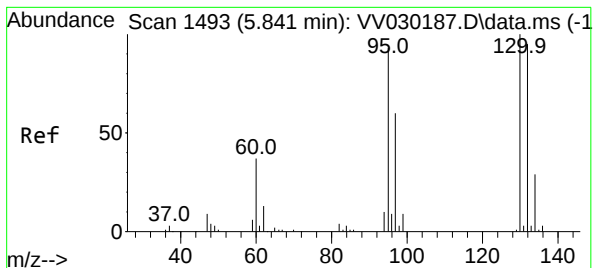
Tgt Ion:117 Resp: 79738
Ion Ratio Lower Upper
117 100
119 96.5 76.1 114.1



#33
Benzene
Concen: 4.547 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion: 78 Resp: 197945





#34

Trichloroethene

Concen: 4.272 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

Tgt Ion: 95 Resp: 52110

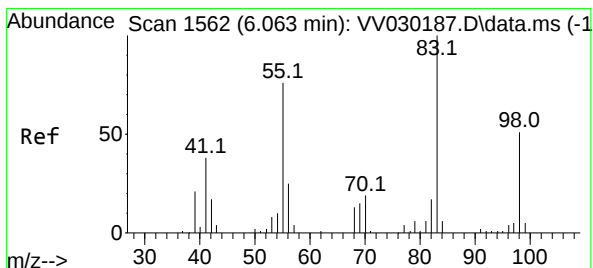
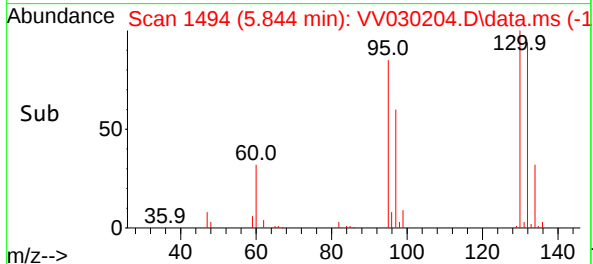
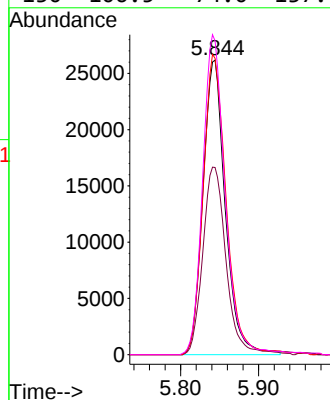
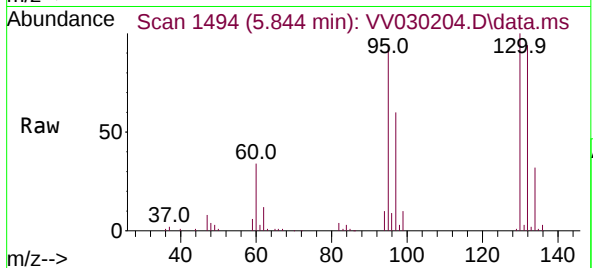
Ion Ratio Lower Upper

95 100

97 63.6 46.5 86.5

132 100.6 71.7 133.3

130 106.5 74.0 137.4



#35

Methylcyclohexane

Concen: 3.780 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.003 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

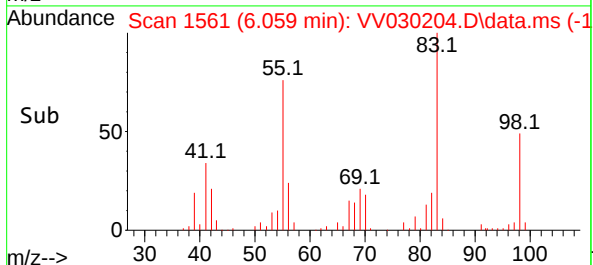
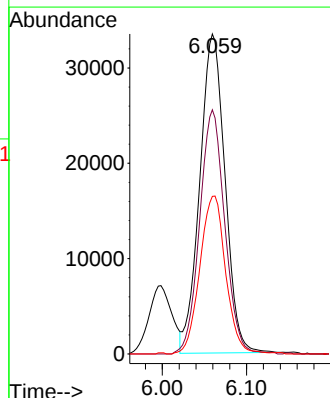
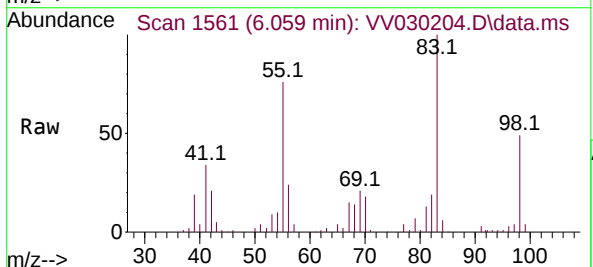
Tgt Ion: 83 Resp: 69784

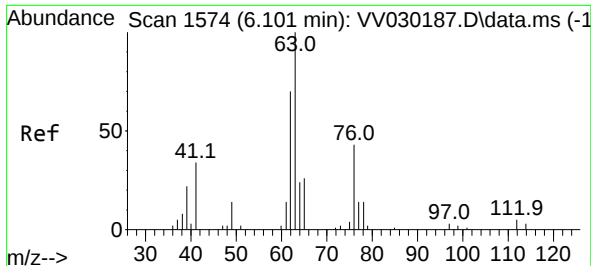
Ion Ratio Lower Upper

83 100

55 76.0 57.6 86.4

98 50.6 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.685 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

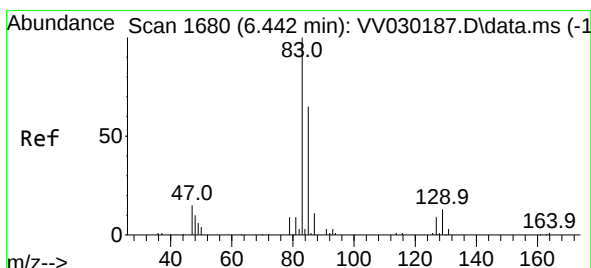
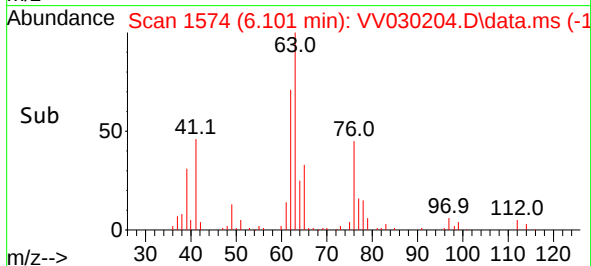
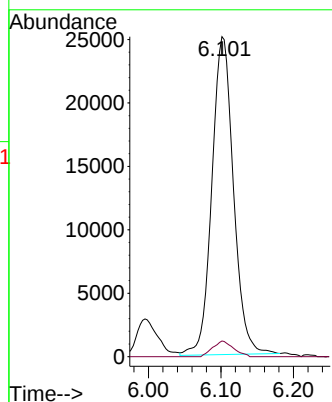
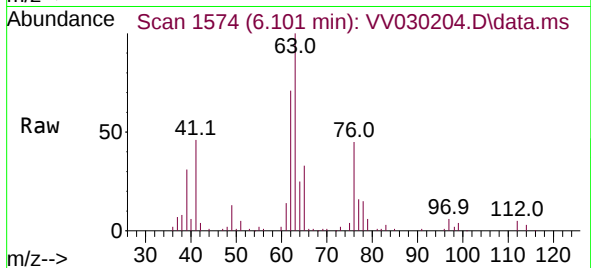
VSTD005302

Tgt Ion: 63 Resp: 51897

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 4.916 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

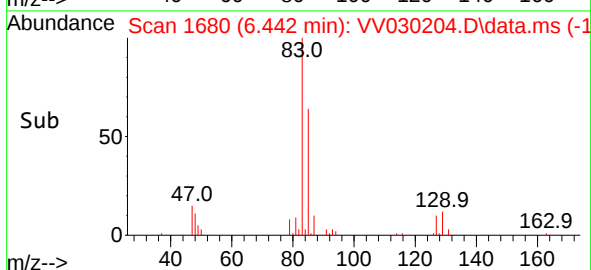
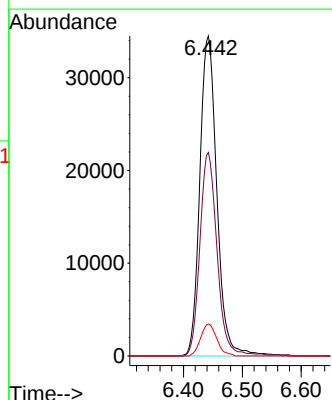
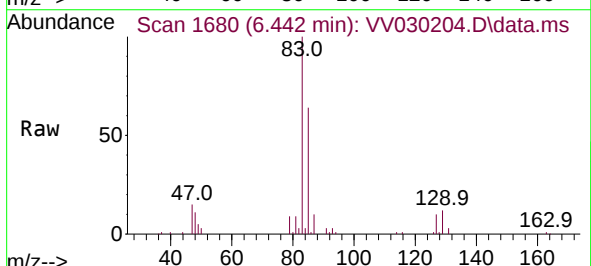
Tgt Ion: 83 Resp: 69516

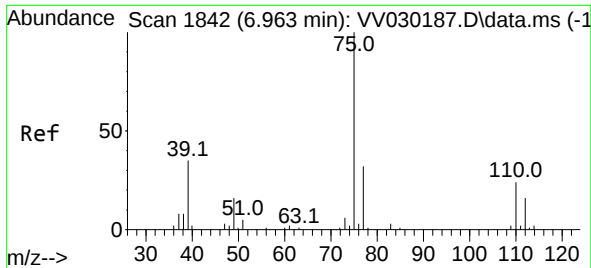
Ion Ratio Lower Upper

83 100

85 63.6 44.3 82.3

127 10.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.209 ug/L

RT: 6.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

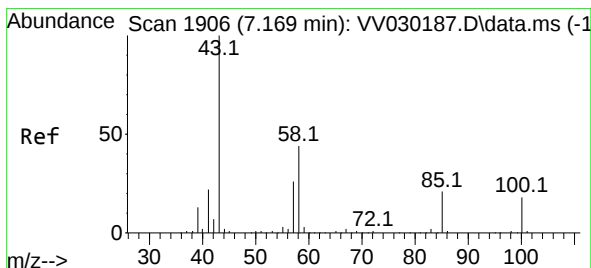
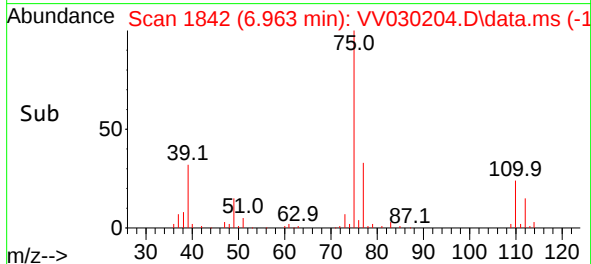
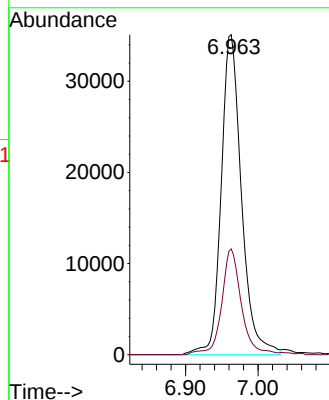
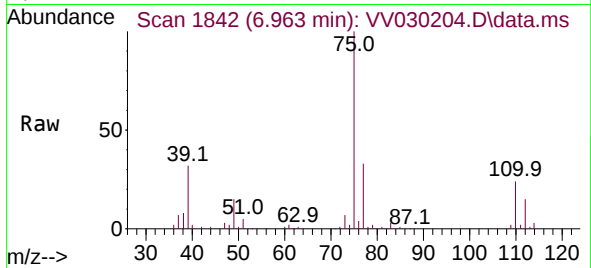
VSTD005302

Tgt Ion: 75 Resp: 68241

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 47.618 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

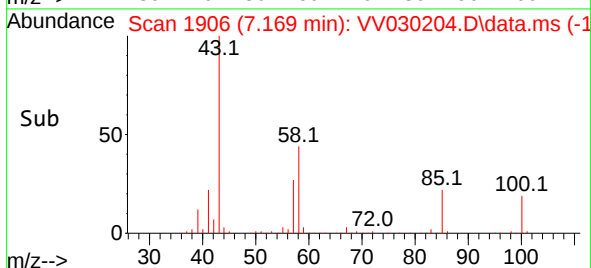
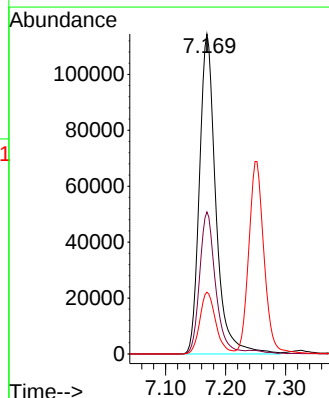
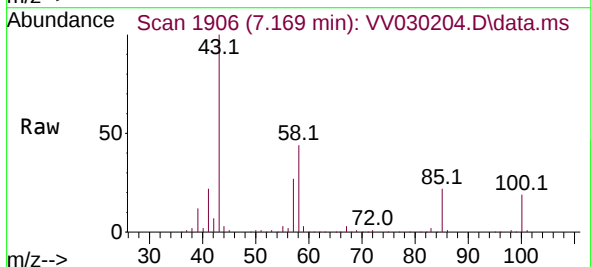
Tgt Ion: 43 Resp: 217637

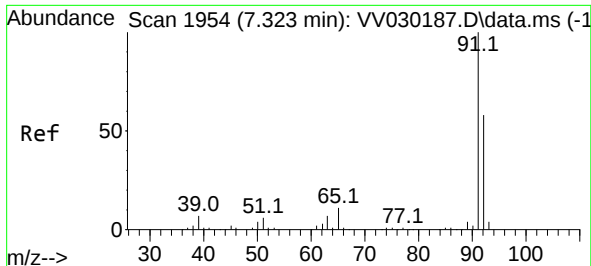
Ion Ratio Lower Upper

43 100

58 43.2 35.3 52.9

100 18.9 14.7 22.1

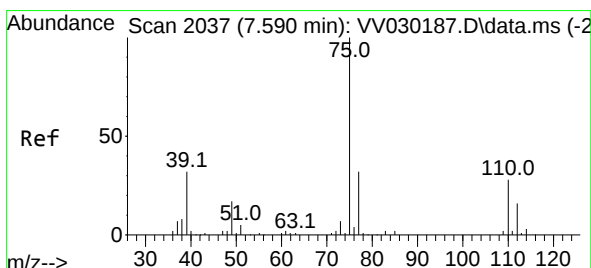
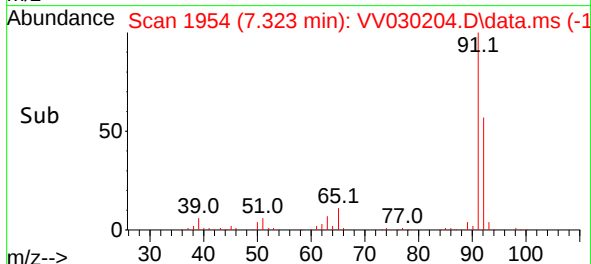
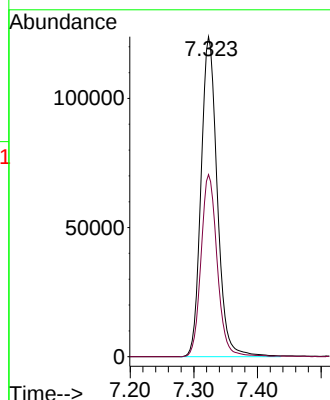
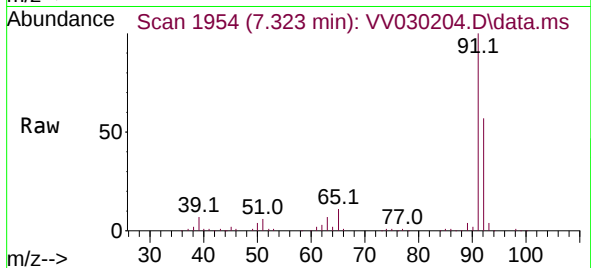




#42
Toluene
Concen: 4.656 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

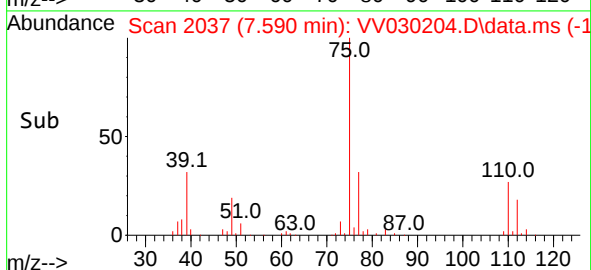
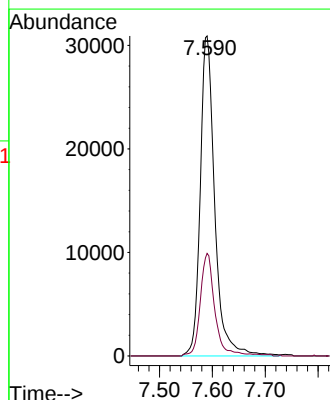
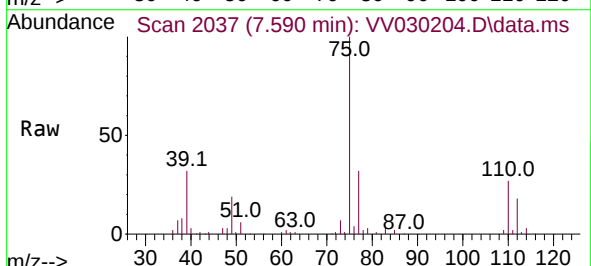
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

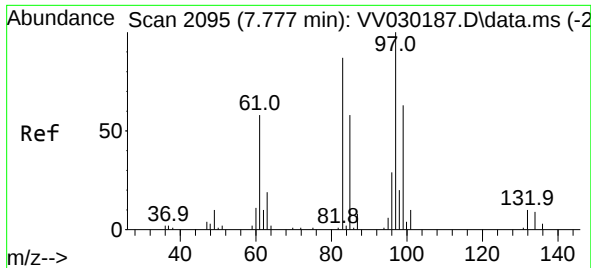
Tgt Ion: 91 Resp: 219556
Ion Ratio Lower Upper
91 100
92 56.9 39.6 73.6



#44
trans-1,3-Dichloropropene
Concen: 4.657 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion: 75 Resp: 58948
Ion Ratio Lower Upper
75 100
77 32.1 22.1 41.1

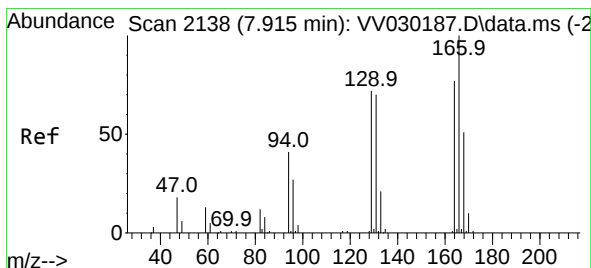
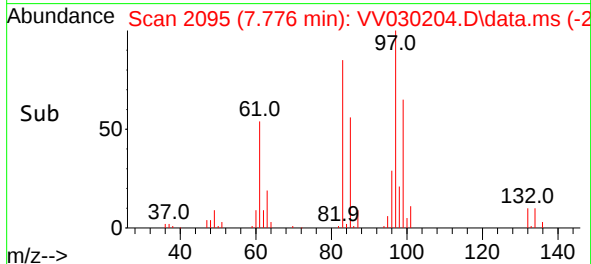
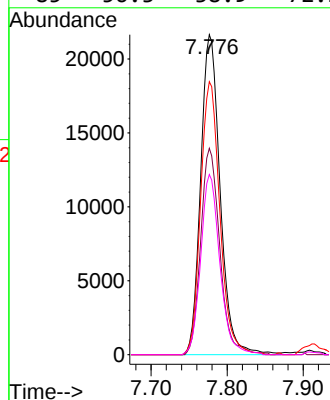
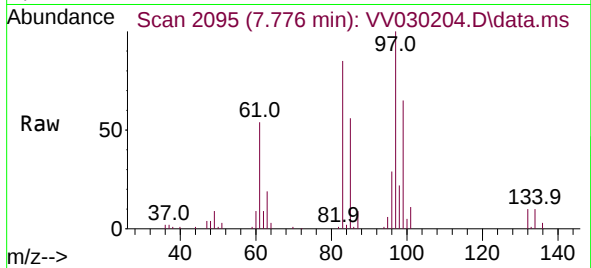




#45
1,1,2-Trichloroethane
Concen: 4.868 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

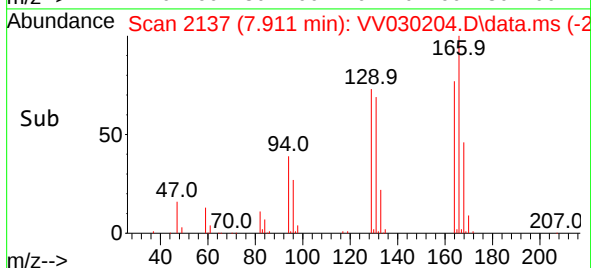
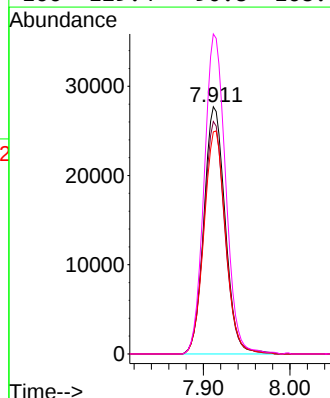
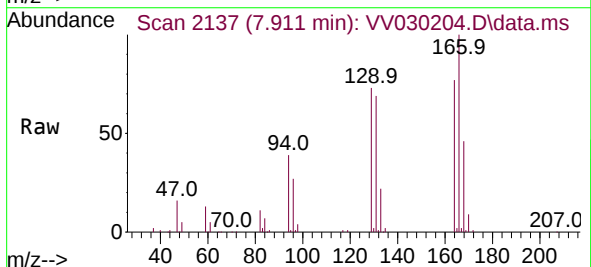
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

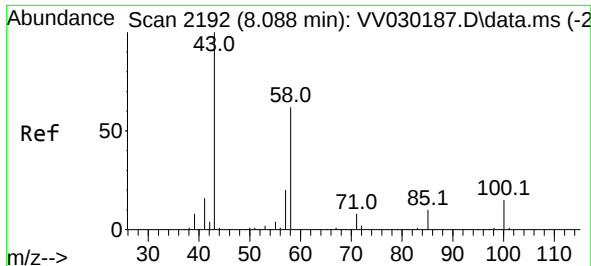
Tgt Ion:	97	Resp:	38583
Ion	Ratio	Lower	Upper
97	100		
99	64.5	42.6	79.2
83	85.3	57.7	107.3
85	56.3	38.9	72.2



#47
Tetrachloroethene
Concen: 4.514 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion:	164	Resp:	47266
Ion	Ratio	Lower	Upper
164	100		
129	94.1	63.6	118.2
131	89.8	61.7	114.7
166	129.4	90.8	168.6



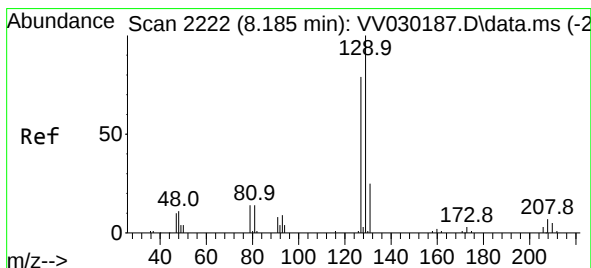
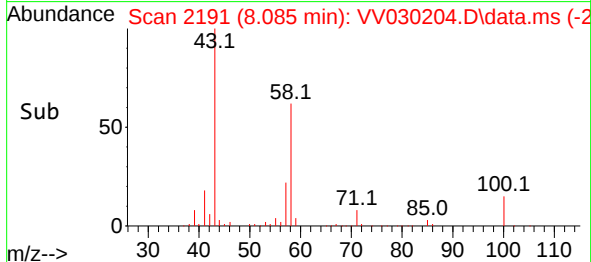
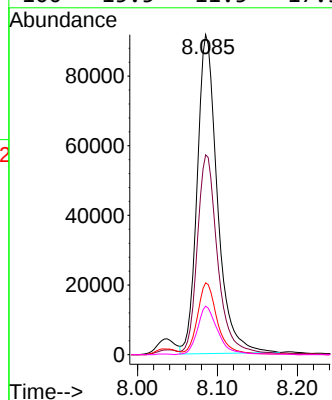
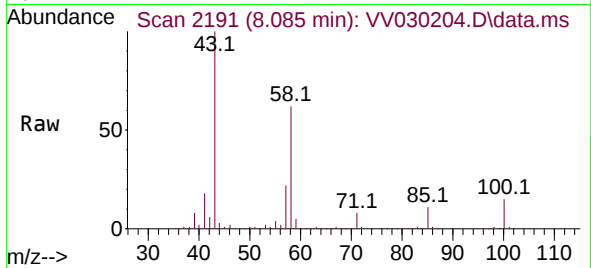


#48
2-Hexanone
Concen: 49.310 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

Tgt Ion: 43 Resp: 161341

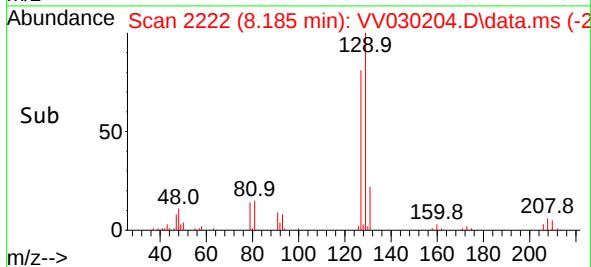
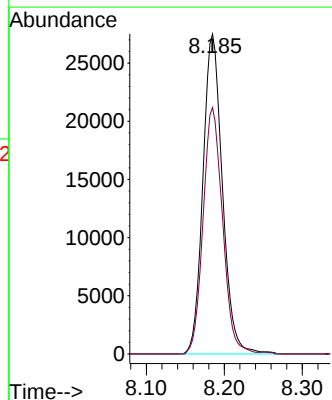
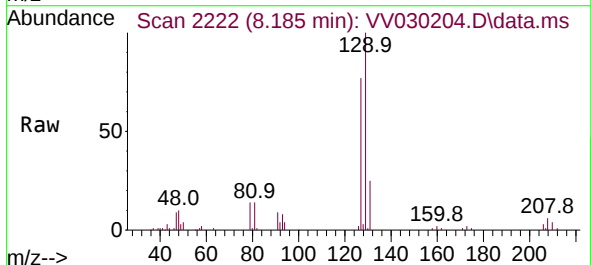
Ion	Ratio	Lower	Upper
43	100		
58	62.4	49.8	74.8
57	21.8	16.6	24.8
100	15.5	11.5	17.3

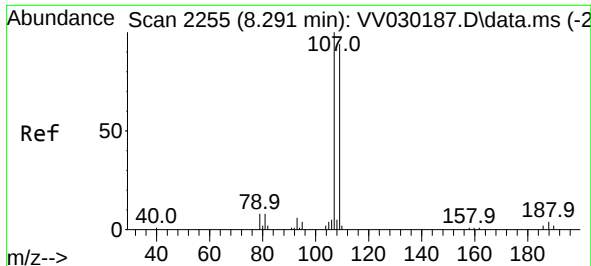


#49
Dibromochloromethane
Concen: 5.143 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion: 129 Resp: 47700

Ion	Ratio	Lower	Upper
129	100		
127	77.0	54.7	101.5





#50

1,2-Dibromoethane

Concen: 4.879 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

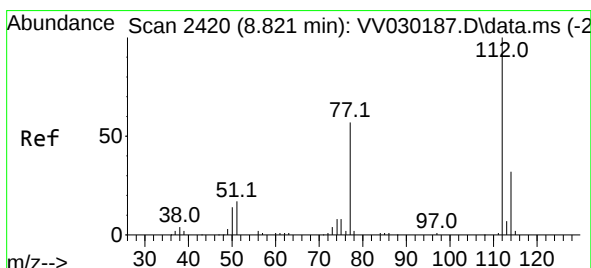
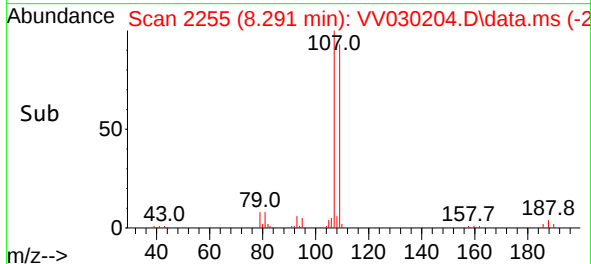
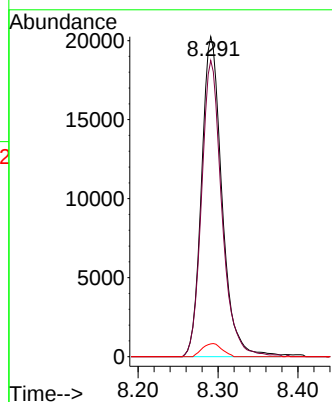
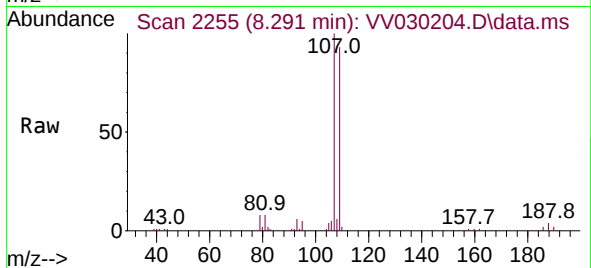
Tgt Ion:107 Resp: 36079

Ion Ratio Lower Upper

107 100

109 92.6 63.3 117.7

188 4.0 3.0 4.6



#51

Chlorobenzene

Concen: 4.599 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

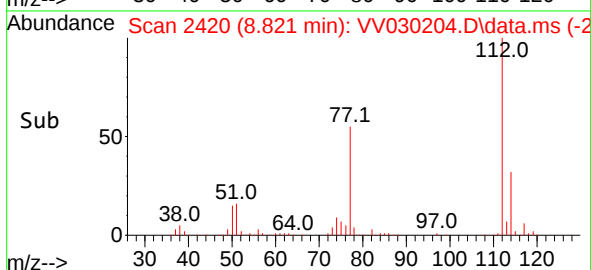
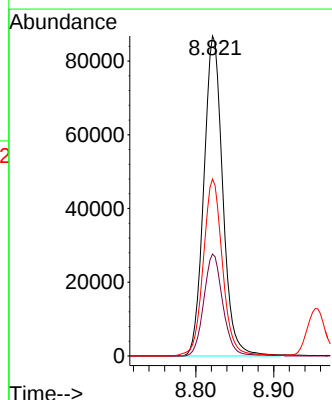
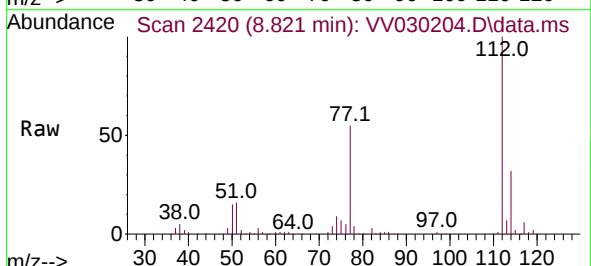
Tgt Ion:112 Resp: 146259

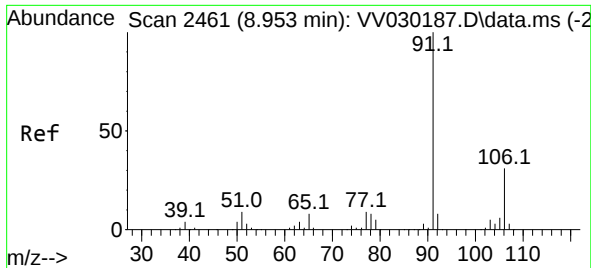
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 55.3 45.3 67.9





#52

Ethylbenzene

Concen: 4.393 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

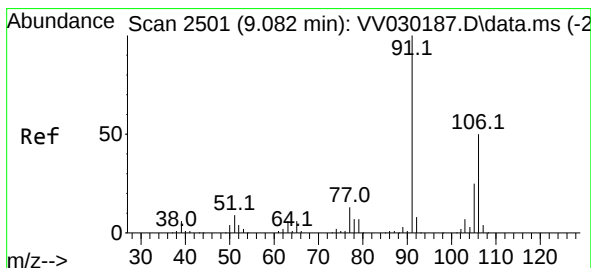
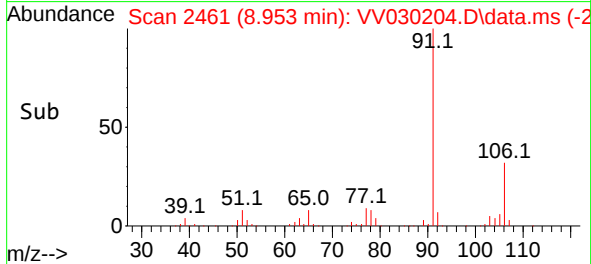
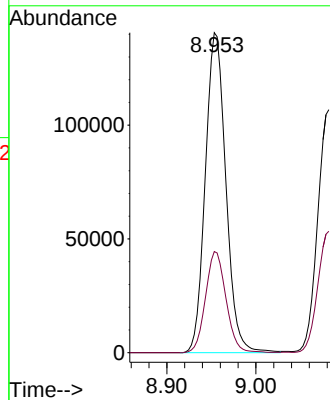
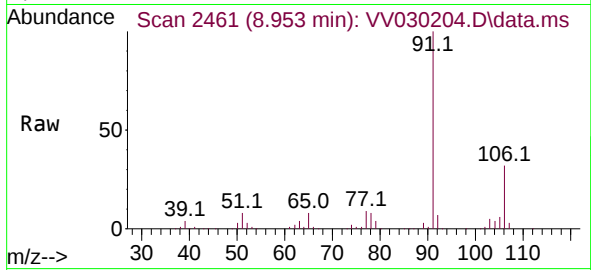
VSTD005302

Tgt Ion: 91 Resp: 225417

Ion Ratio Lower Upper

91 100

106 31.6 22.0 40.8



#53

m,p-Xylene

Concen: 4.501 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. -0.000 min

Lab File: VV030204.D

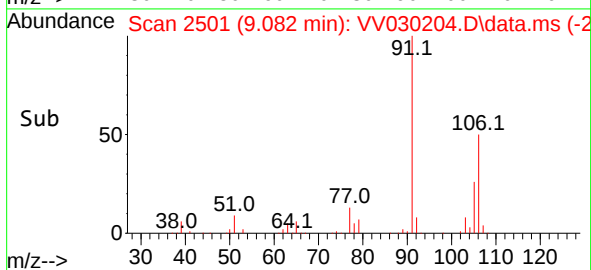
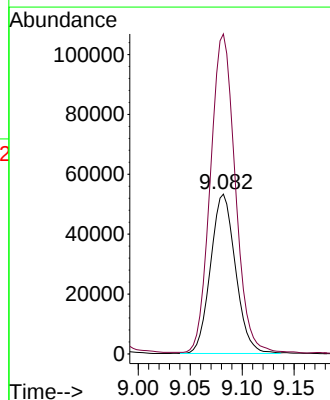
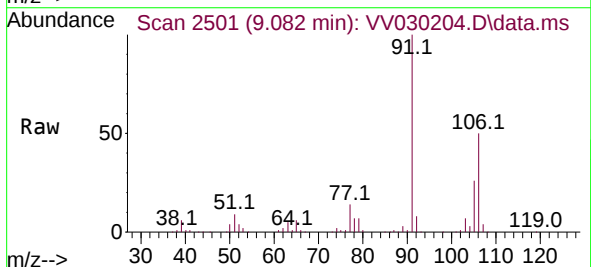
Acq: 15 Mar 2023 11:11

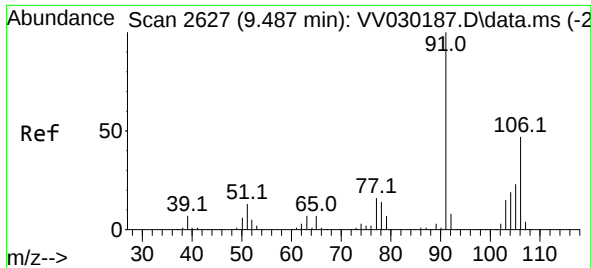
Tgt Ion: 106 Resp: 88763

Ion Ratio Lower Upper

106 100

91 200.3 142.5 264.7

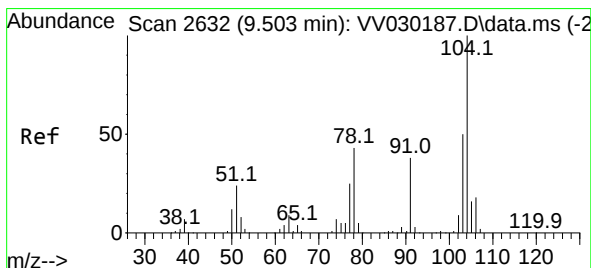
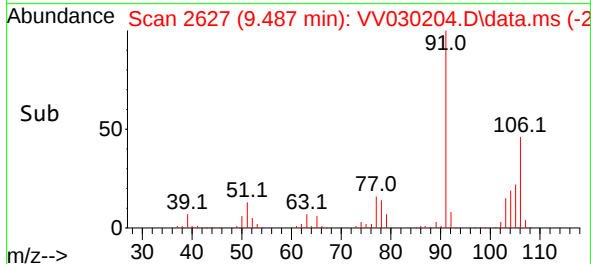
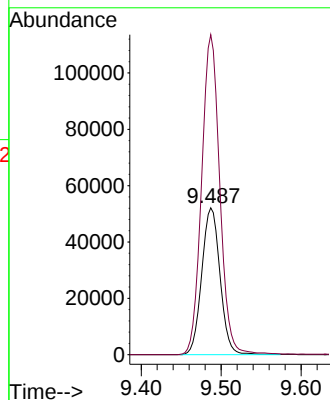
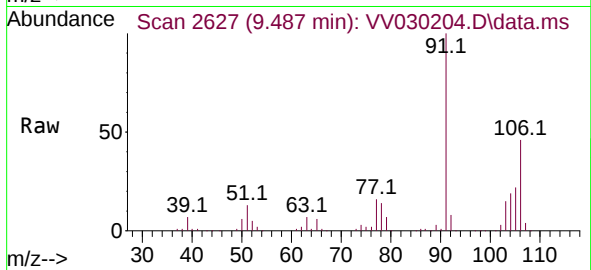




#54
o-Xylene
Concen: 4.412 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

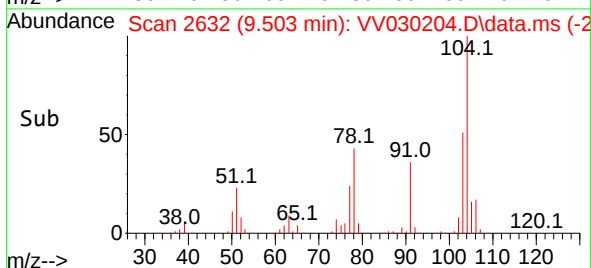
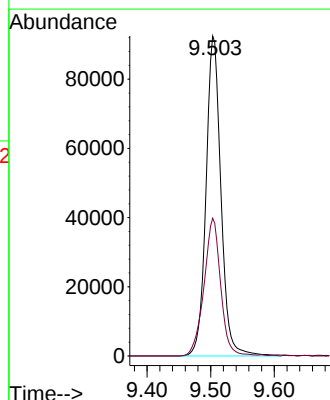
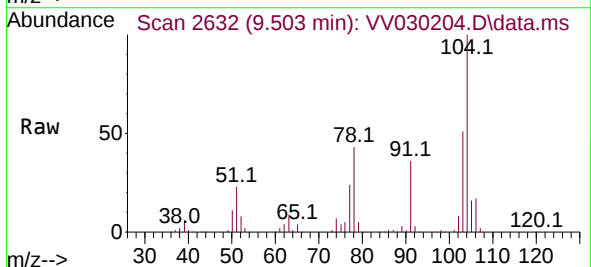
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

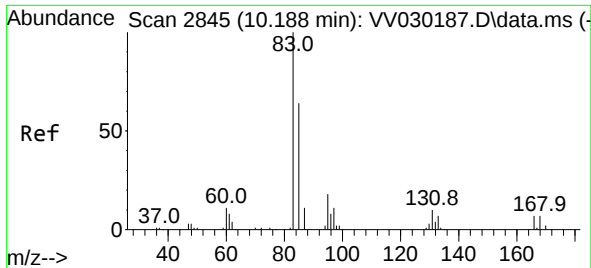
Tgt Ion:106 Resp: 83112
Ion Ratio Lower Upper
106 100
91 217.8 148.8 276.4



#55
Styrene
Concen: 4.826 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion:104 Resp: 151192
Ion Ratio Lower Upper
104 100
78 43.0 31.1 57.9

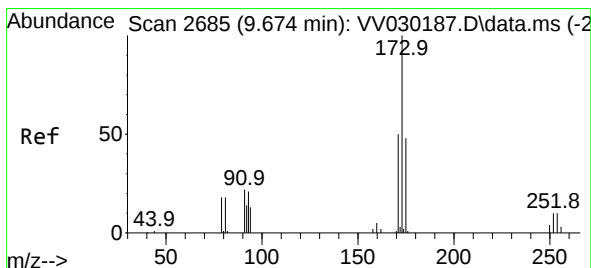
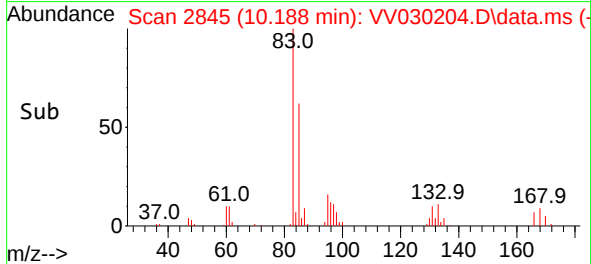
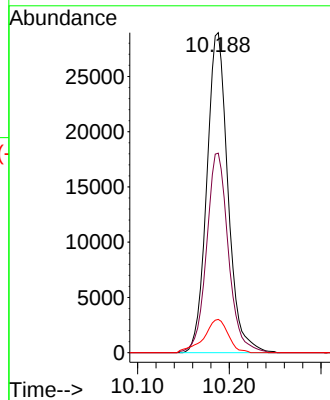
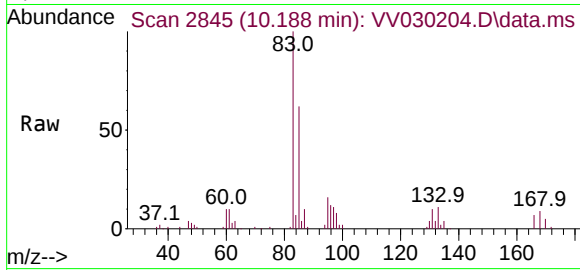




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.231 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

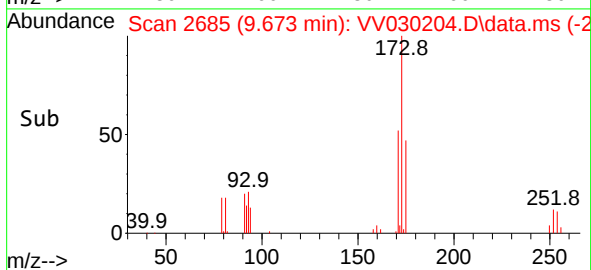
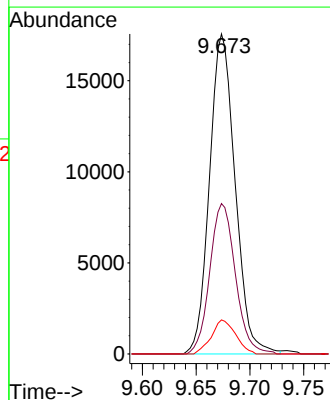
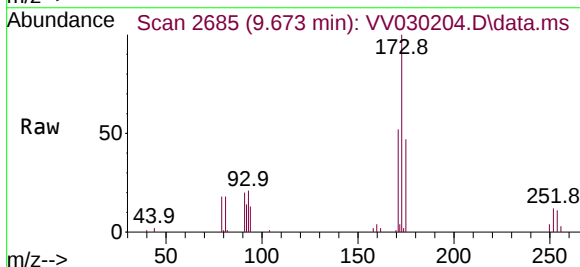
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

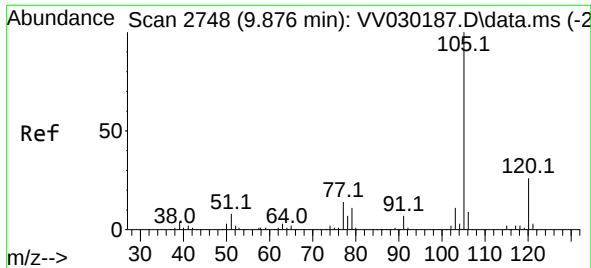
Tgt Ion:	83	Resp:	46369
Ion	Ratio	Lower	Upper
83	100		
85	62.4	45.0	83.6
131	10.4	8.2	12.4



#59
 Bromoform
 Concen: 4.881 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. -0.000 min
 Lab File: VV030204.D
 Acq: 15 Mar 2023 11:11

Tgt Ion:	173	Resp:	29088
Ion	Ratio	Lower	Upper
173	100		
175	46.9	38.5	57.7
254	10.1	8.6	13.0

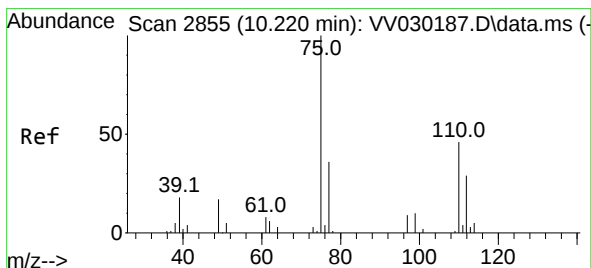
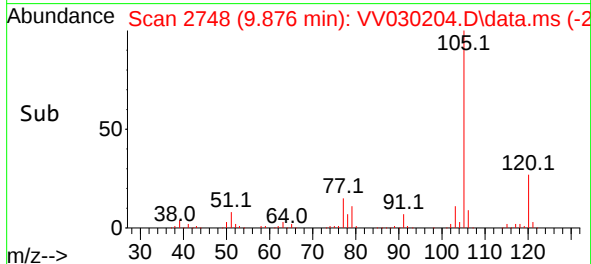
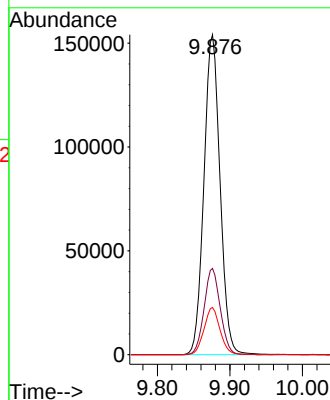
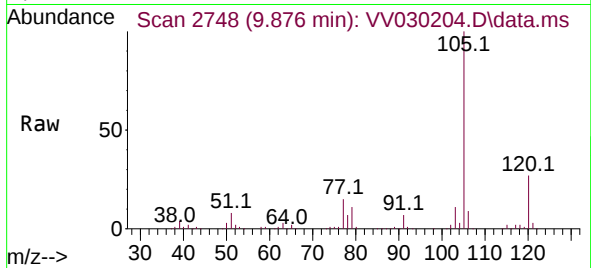




#60
Isopropylbenzene
Concen: 4.160 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

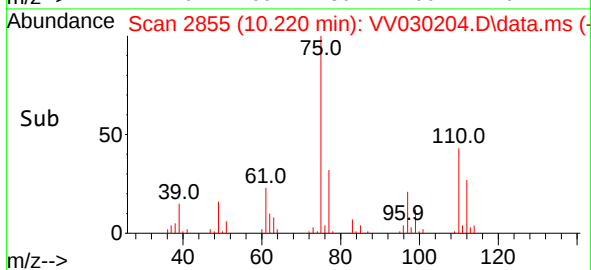
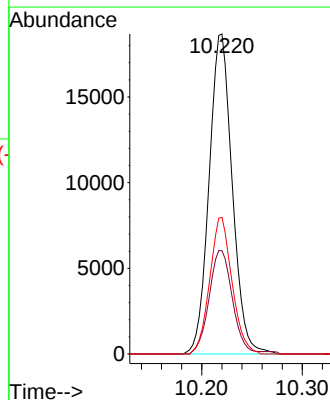
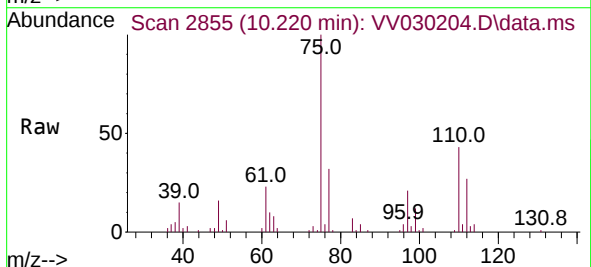
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

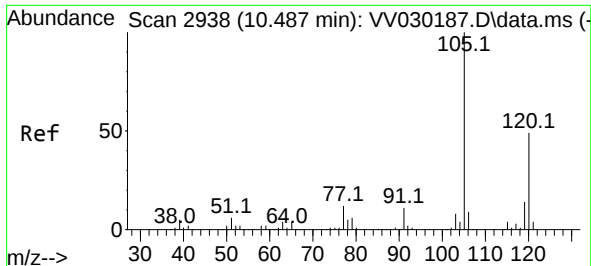
Tgt Ion:105 Resp: 237965
Ion Ratio Lower Upper
105 100
120 27.0 21.4 32.0
77 14.7 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.486 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion: 75 Resp: 29853
Ion Ratio Lower Upper
75 100
77 33.0 26.5 39.7
110 41.1 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 3.975 ug/L

RT: 10.484 min Scan# 2938

Delta R.T. -0.003 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

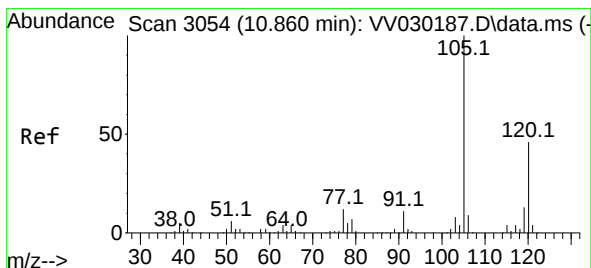
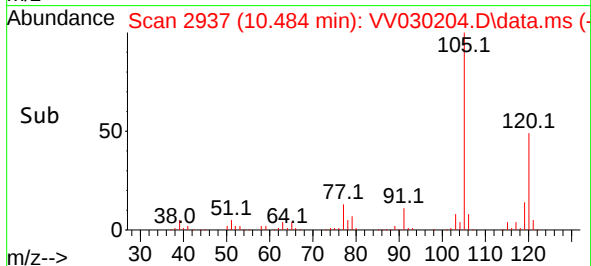
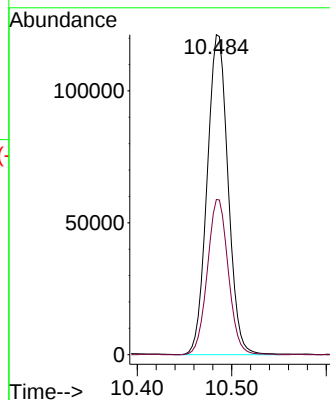
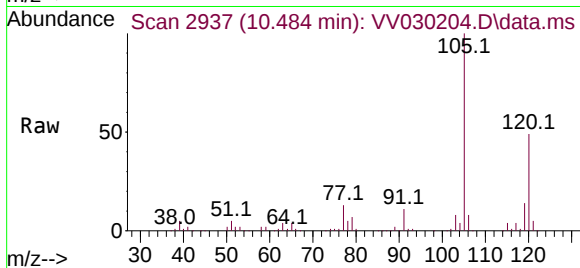
VSTD005302

Tgt Ion:105 Resp: 186771

Ion Ratio Lower Upper

105 100

120 48.5 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.084 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030204.D

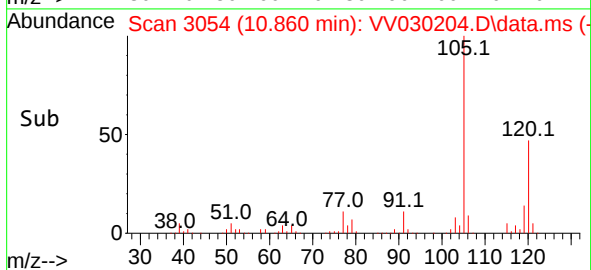
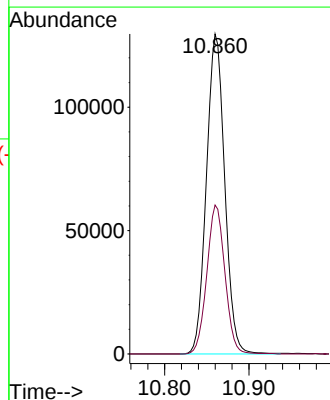
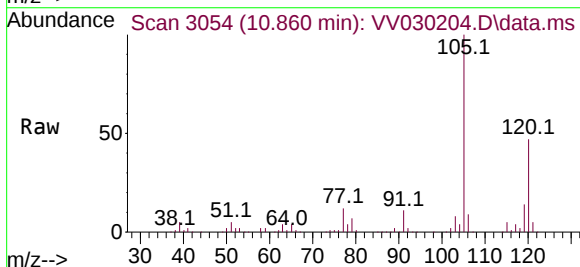
Acq: 15 Mar 2023 11:11

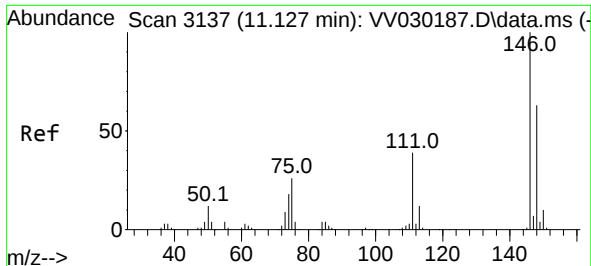
Tgt Ion:105 Resp: 196312

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.4

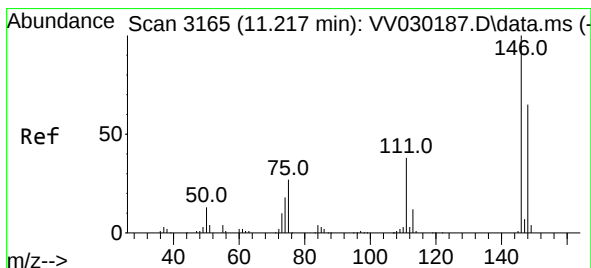
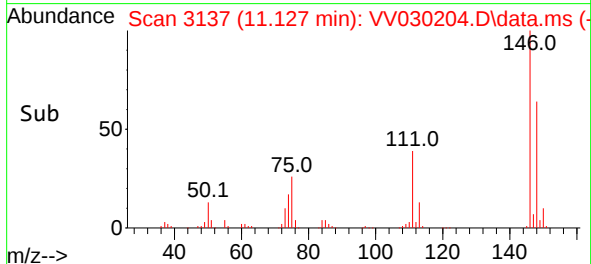
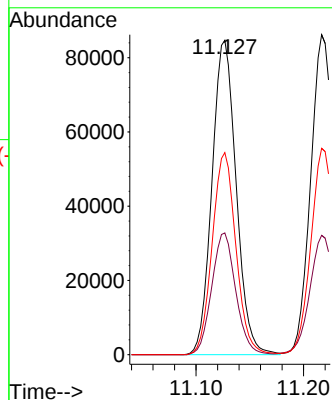
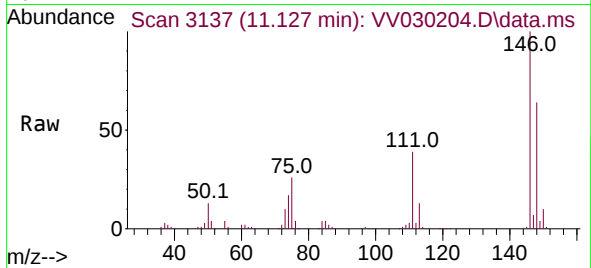




#64
1,3-Dichlorobenzene
Concen: 4.443 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

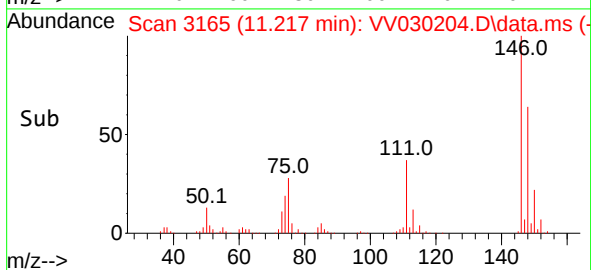
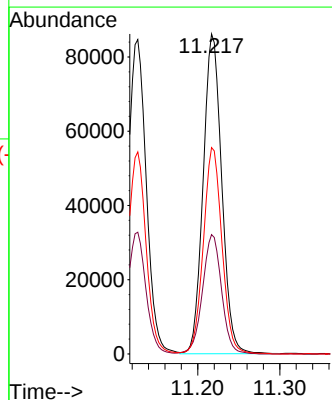
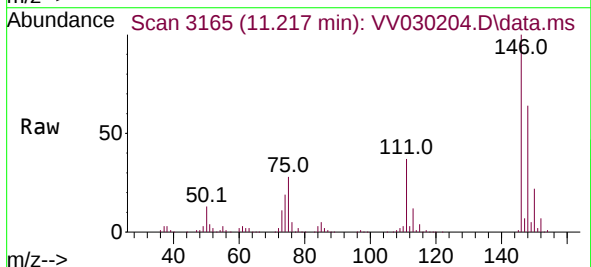
Instrument :
MSVOA_V
ClientSampleId :
VSTD005302

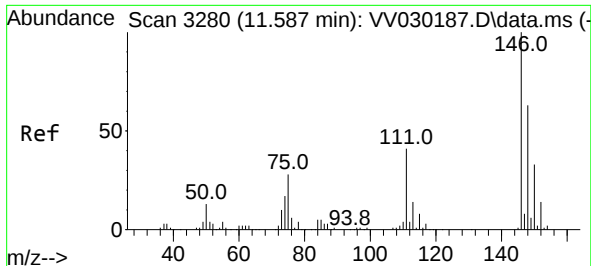
Tgt Ion:146 Resp: 132351
Ion Ratio Lower Upper
146 100
111 38.7 27.7 51.5
148 64.3 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.503 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030204.D
Acq: 15 Mar 2023 11:11

Tgt Ion:146 Resp: 135340
Ion Ratio Lower Upper
146 100
111 37.3 27.4 51.0
148 64.5 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.603 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

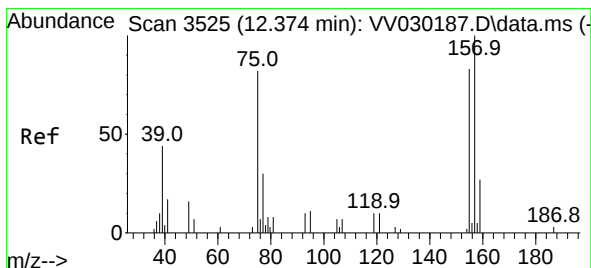
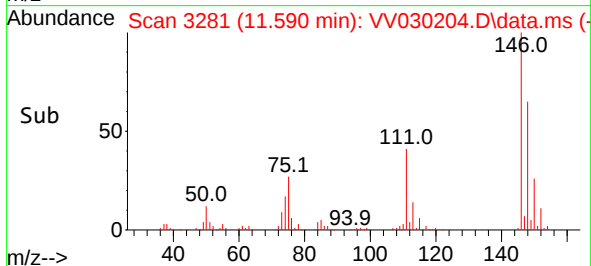
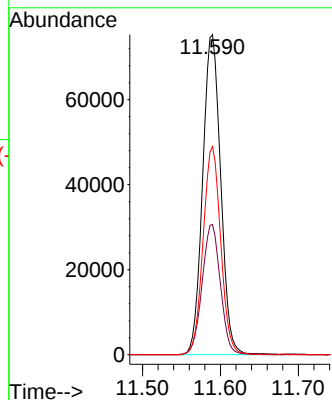
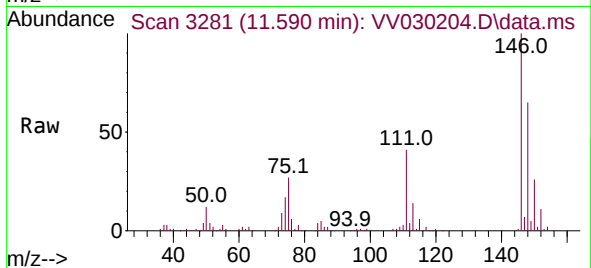
Tgt Ion:146 Resp: 121070

Ion Ratio Lower Upper

146 100

111 40.7 33.5 50.3

148 65.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.235 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

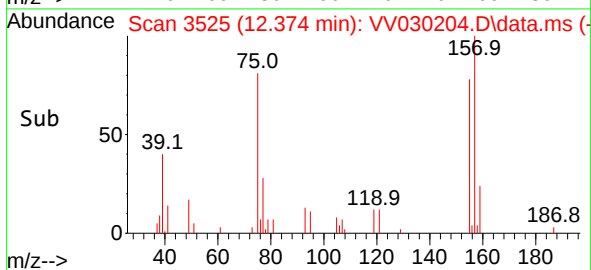
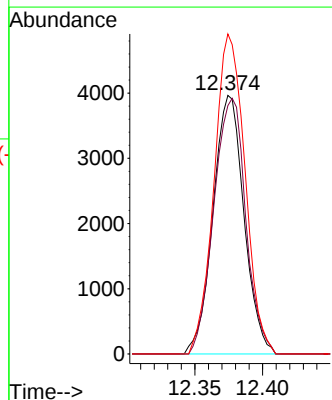
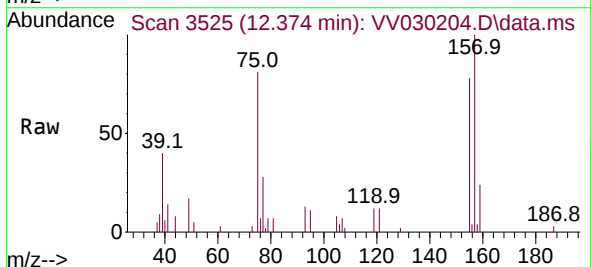
Tgt Ion: 75 Resp: 6294

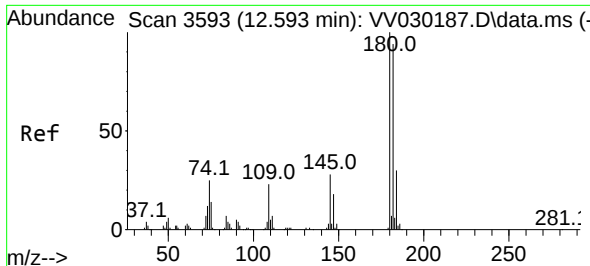
Ion Ratio Lower Upper

75 100

155 96.0 79.1 118.7

157 123.7 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.188 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

Tgt Ion:180 Resp: 102556

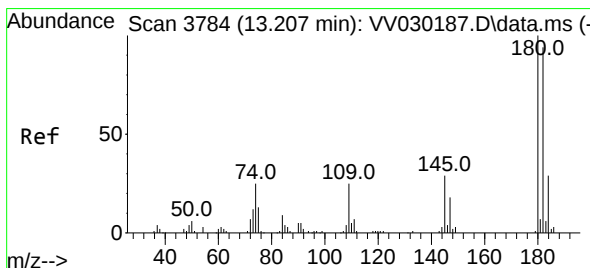
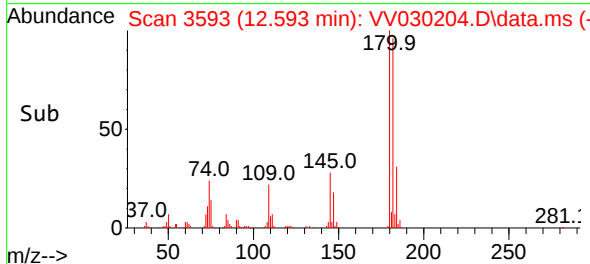
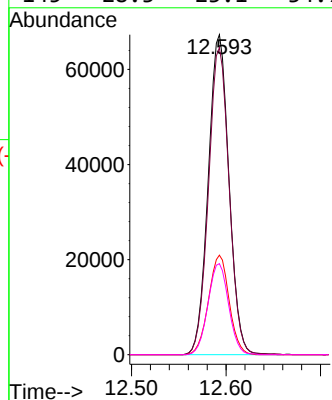
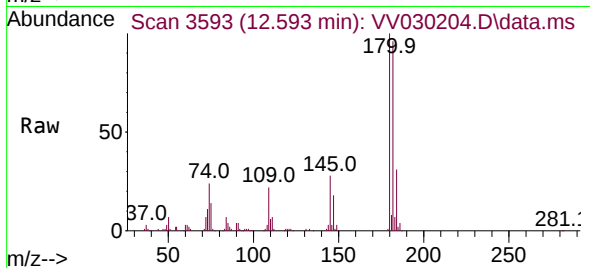
Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

184 31.0 24.3 36.5

145 28.3 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 3.860 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

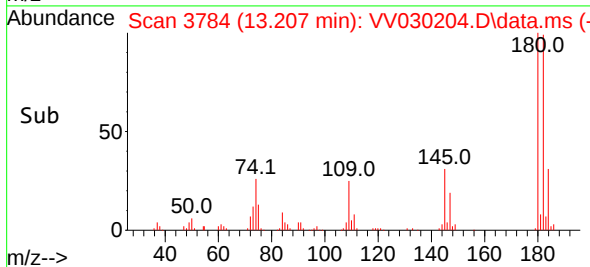
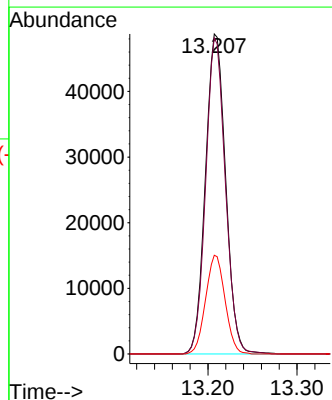
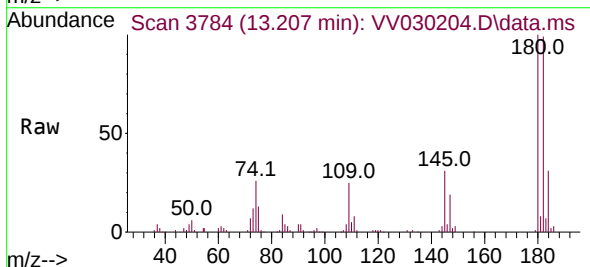
Tgt Ion:180 Resp: 76576

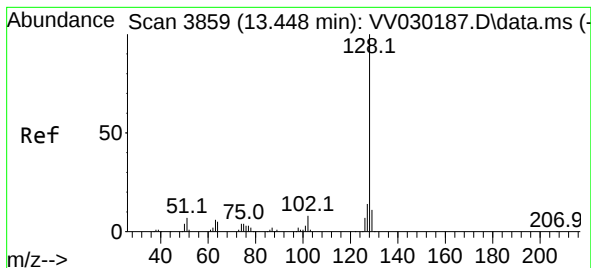
Ion Ratio Lower Upper

180 100

182 96.1 77.3 115.9

145 29.6 23.1 34.7





#71

Naphthalene

Concen: 3.741 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD005302

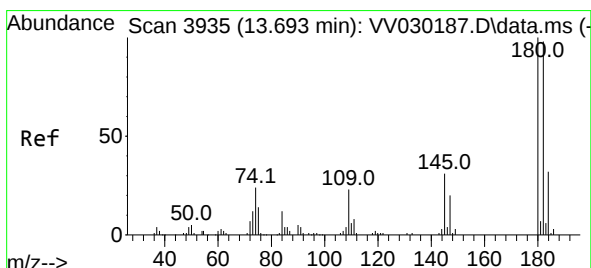
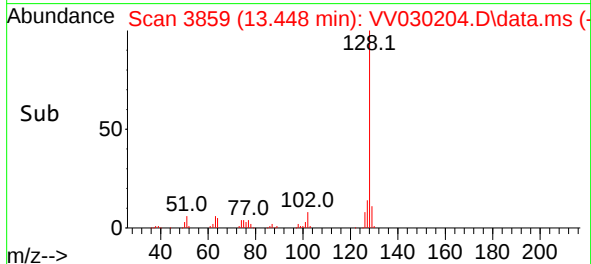
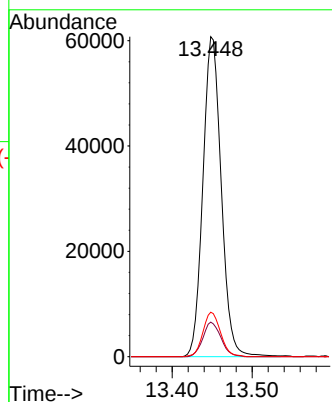
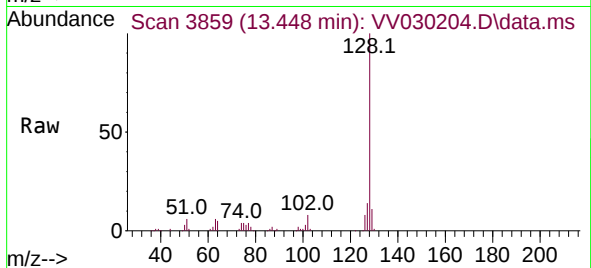
Tgt Ion:128 Resp: 96969

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.4 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.072 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.003 min

Lab File: VV030204.D

Acq: 15 Mar 2023 11:11

Tgt Ion:180 Resp: 66499

Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.2

145 31.8 25.1 37.7

