

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012323\
 Data File : VW029921.D
 Acq On : 23 Jan 2023 22:54
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005389

Quant Time: Jan 24 01:38:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 24 01:33:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	166076	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	165394	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	101888	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	62951	4.997	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.000%
7) Chloroethane-d5	1.564	69	59898	5.736	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.800%
11) 1,1-Dichloroethene-d2	2.108	63	120895	5.265	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.200%
20) 2-Butanone-d5	3.899	46	122457	54.848	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.700%
24) Chloroform-d	4.339	84	118617	5.133	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.024	65	51099	5.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.043	84	224955	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.063	67	71898	5.007	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.200%
41) Toluene-d8	7.307	98	202036	4.448	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	7.612	79	19434	3.706	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.200%
46) 2-Hexanone-d5	8.085	63	101650	47.614	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.220%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	57606	5.475	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.400%
66) 1,2-Dichlorobenzene-d4	11.612	152	75638	4.083	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	81653	5.283	ug/L	98
3) Chloromethane	1.240	50	93559	5.751	ug/L	98
5) Vinyl chloride	1.307	62	102635	6.434	ug/L	98
6) Bromomethane	1.519	94	39586	5.097	ug/L	99
8) Chloroethane	1.584	64	161909	16.729	ug/L	91
9) Trichlorofluoromethane	1.751	101	121115	5.797	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	70169	5.701	ug/L	95
12) 1,1-Dichloroethene	2.114	96	72003	5.077	ug/L	89
13) Acetone	2.185	43	96354	60.465	ug/L	99
14) Carbon disulfide	2.291	76	212511	5.205	ug/L	100
15) Methyl Acetate	2.439	43	23766	5.727	ug/L	95
16) Methylene chloride	2.500	84	93596	5.313	ug/L	90
17) Methyl tert-butyl Ether	2.767	73	131551	5.365	ug/L	96
18) trans-1,2-Dichloroethene	2.754	96	71843	5.450	ug/L	92
19) 1,1-Dichloroethane	3.182	63	137532	6.237	ug/L	98
21) 2-Butanone	3.982	43	137832	60.376	ug/L	93
22) cis-1,2-Dichloroethene	3.905	96	73053	5.201	ug/L	95
23) Bromochloromethane	4.243	128	33715	5.812	ug/L	# 84
25) Chloroform	4.365	83	136146	5.680	ug/L	97

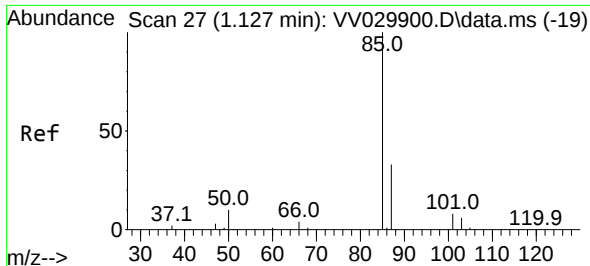
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 24 01:33:02 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	70249	6.032	ug/L	100
29) 1,1,1-Trichloroethane	4.600	97	114092	5.313	ug/L	97
30) Cyclohexane	4.670	56	103909	5.111	ug/L	96
31) Carbon tetrachloride	4.818	117	95917	5.133	ug/L	99
33) Benzene	5.092	78	307863	5.630	ug/L	100
34) Trichloroethene	5.908	95	71747	5.177	ug/L	96
35) Methylcyclohexane	6.124	83	111653	4.772	ug/L	94
37) 1,2-Dichloropropane	6.166	63	76278	5.956	ug/L	98
38) Bromodichloromethane	6.503	83	92114	5.561	ug/L	97
39) cis-1,3-Dichloropropene	7.021	75	80588	4.693	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	339794	62.177	ug/L	95
42) Toluene	7.378	91	322337	5.465	ug/L	99
44) trans-1,3-Dichloropropene	7.641	75	64343	4.649	ug/L	99
45) 1,1,2-Trichloroethane	7.831	97	50650	5.490	ug/L	98
47) Tetrachloroethene	7.966	164	59047	5.061	ug/L	99
48) 2-Hexanone	8.137	43	247688	63.409	ug/L	94
49) Dibromochloromethane	8.236	129	56121	5.183	ug/L	100
50) 1,2-Dibromoethane	8.342	107	43615	5.446	ug/L	99
51) Chlorobenzene	8.873	112	189179	5.052	ug/L	100
52) Ethylbenzene	9.001	91	298298	4.833	ug/L	99
53) m,p-Xylene	9.130	106	118589	4.854	ug/L	98
54) o-Xylene	9.532	106	115178	4.967	ug/L	98
55) Styrene	9.551	104	205053	5.142	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.230	83	64243	6.268	ug/L	96
59) Bromoform	9.722	173	28326	4.292	ug/L	98
60) Isopropylbenzene	9.921	105	310509	4.768	ug/L	99
61) 1,2,3-Trichloropropane	10.262	75	41729	5.531	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	246587	4.418	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	251711	4.523	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	162815	4.923	ug/L	100
65) 1,4-Dichlorobenzene	11.262	146	160824	4.878	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	148520	4.995	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.416	75	8587	4.813	ug/L	86
69) 1,3,5-Trichlorobenzene	12.632	180	122507	4.602	ug/L	100
70) 1,2,4-trichlorobenzene	13.249	180	94606	4.548	ug/L	99
71) Naphthalene	13.490	128	116505	4.323	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	79012	4.577	ug/L	99

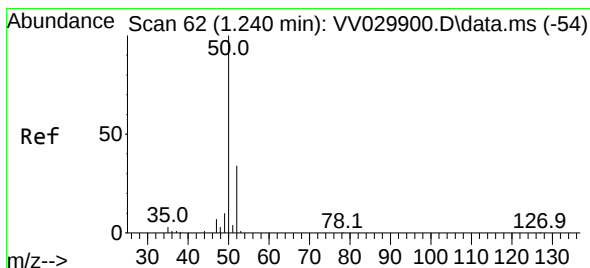
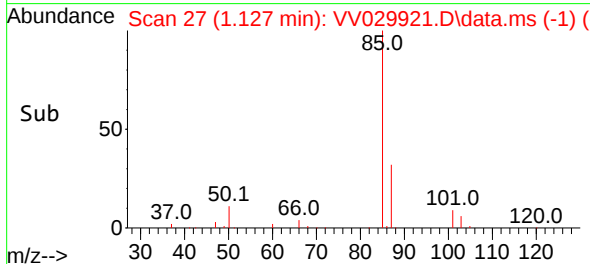
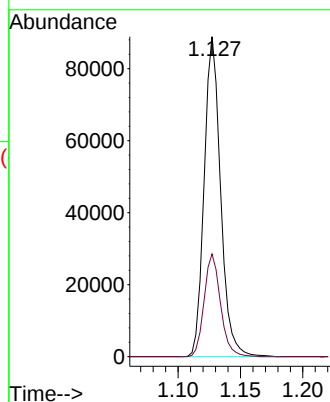
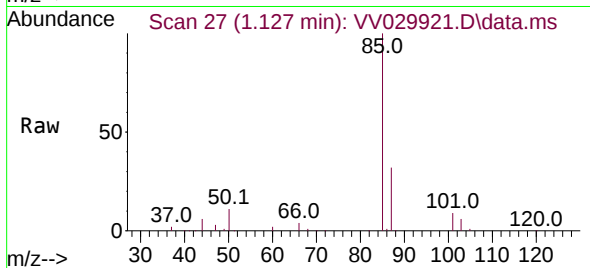
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.283 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

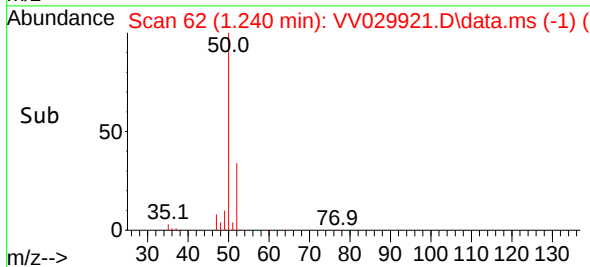
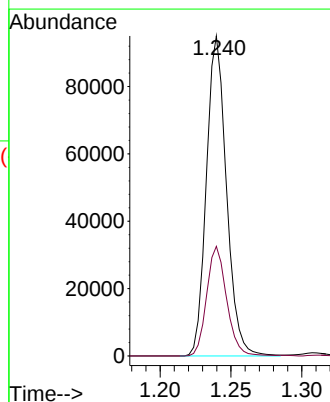
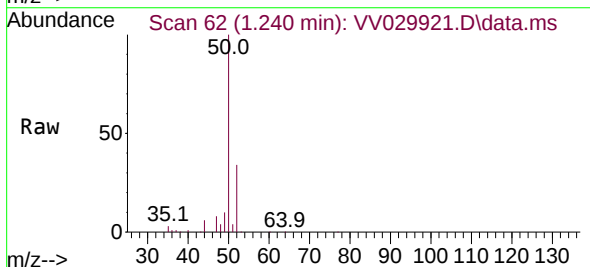
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005389

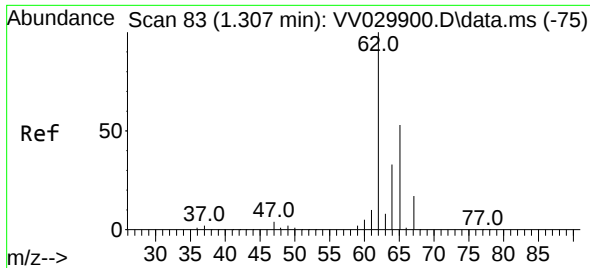
Tgt Ion: 85 Resp: 81653
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.5 39.7



#3
 Chloromethane
 Concen: 5.751 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

Tgt Ion: 50 Resp: 93559
 Ion Ratio Lower Upper
 50 100
 52 34.3 23.1 42.9

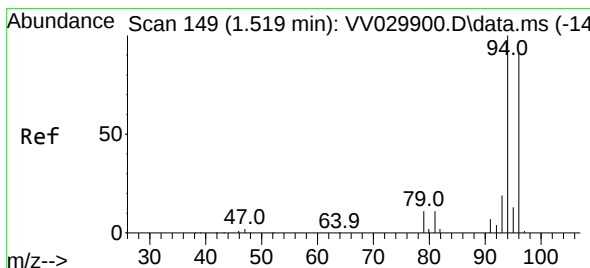
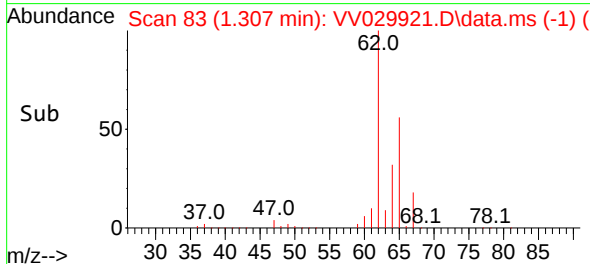
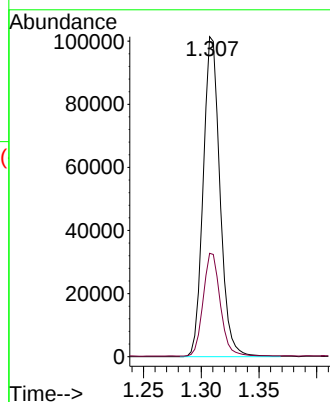
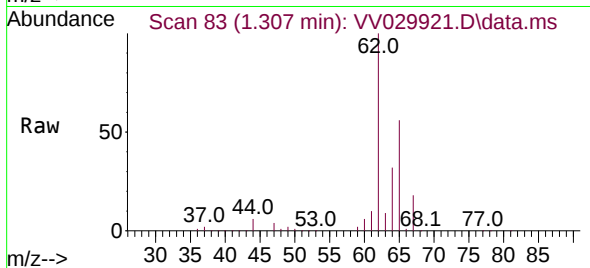




#5
 Vinyl chloride
 Concen: 6.434 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

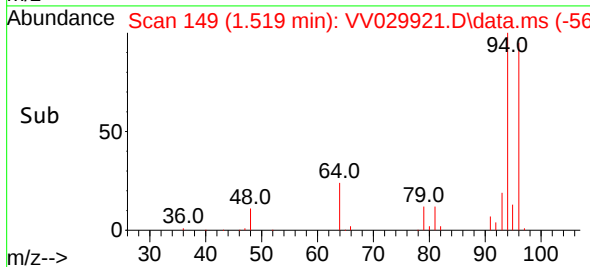
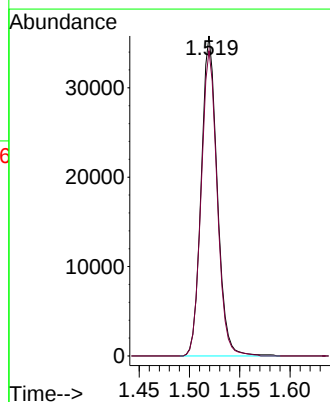
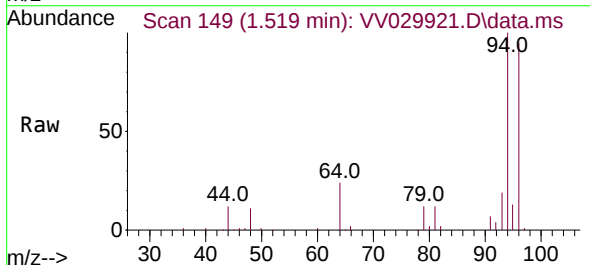
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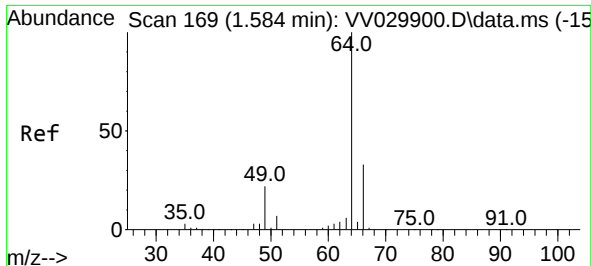
Tgt Ion: 62 Resp: 102635
 Ion Ratio Lower Upper
 62 100
 64 32.3 23.2 43.2



#6
 Bromomethane
 Concen: 5.097 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

Tgt Ion: 94 Resp: 39586
 Ion Ratio Lower Upper
 94 100
 96 95.4 65.9 122.5

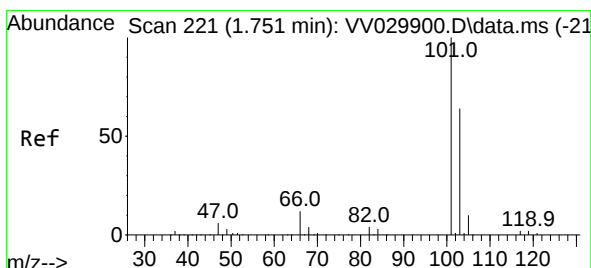
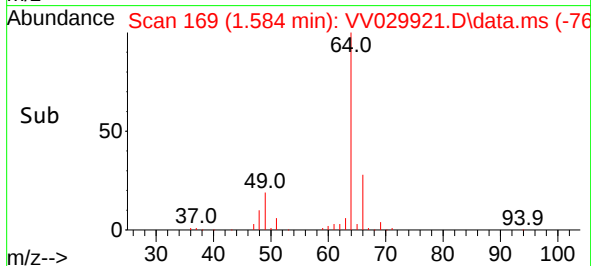
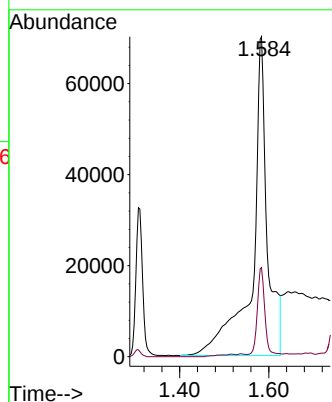
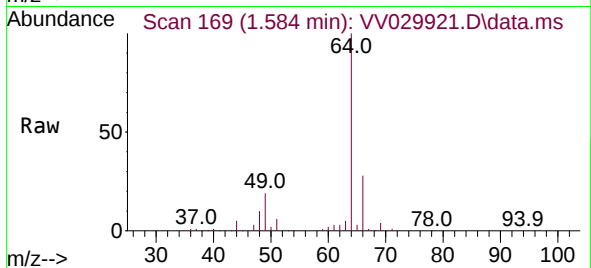




#8
Chloroethane
Concen: 16.729 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

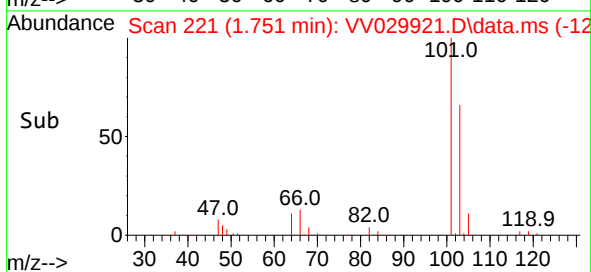
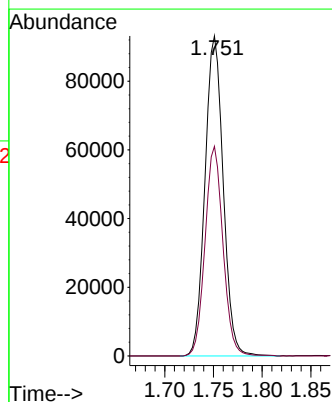
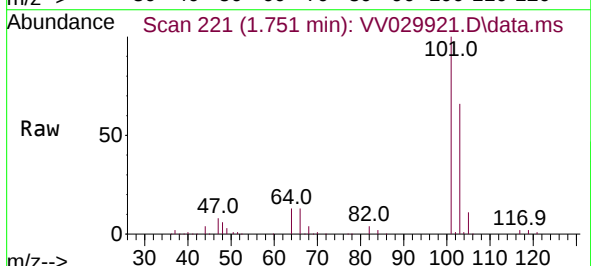
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MSVOA_V
ClientSampleId :
VSTD005389

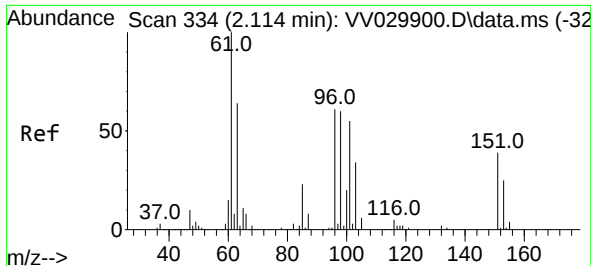
Tgt Ion: 64 Resp: 161909
Ion Ratio Lower Upper
64 100
66 27.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 5.797 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion:101 Resp: 121115
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8

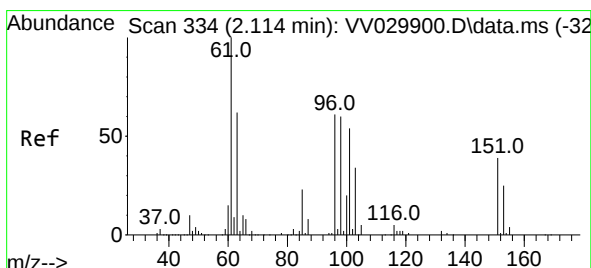
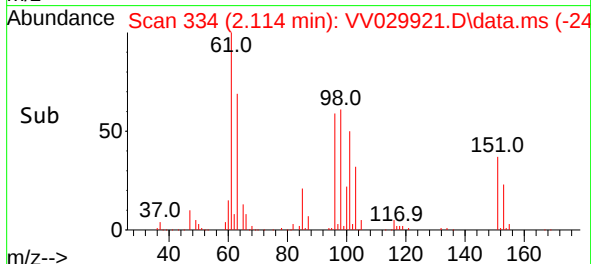
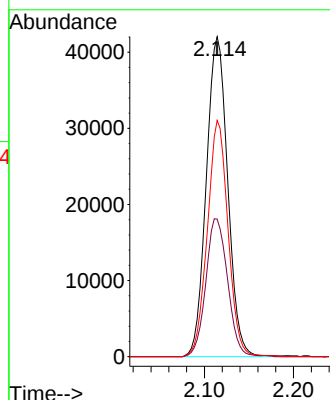
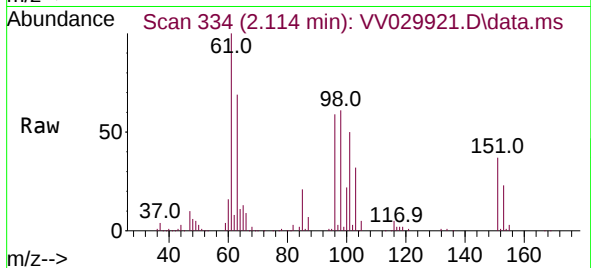




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.701 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

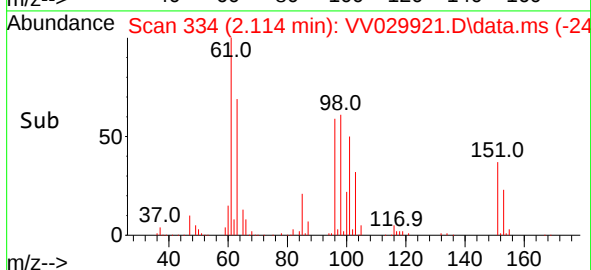
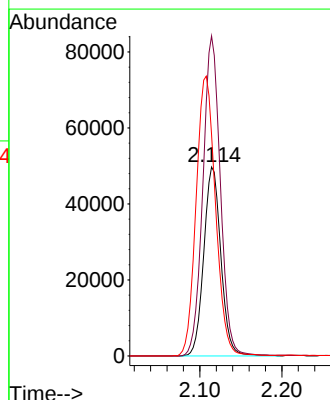
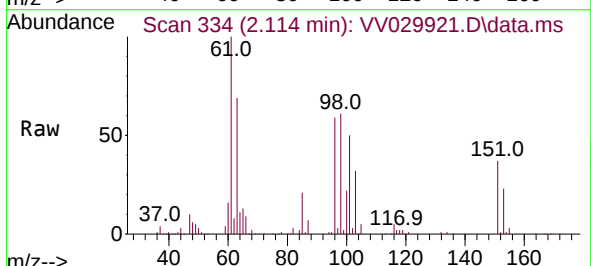
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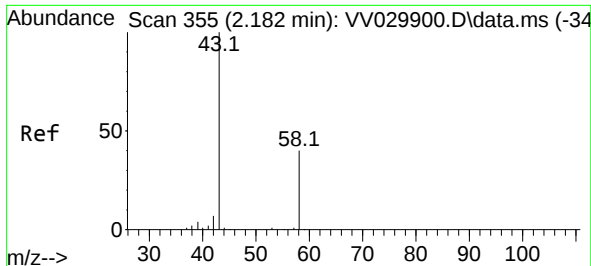
Tgt Ion:101 Resp: 70169
 Ion Ratio Lower Upper
 101 100
 85 43.7 32.9 49.3
 151 71.3 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 5.077 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

Tgt Ion: 96 Resp: 72003
 Ion Ratio Lower Upper
 96 100
 61 169.3 106.1 197.1
 63 117.2 76.4 141.8





#13

Acetone

Concen: 60.465 ug/L

RT: 2.185 min Scan# 355

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

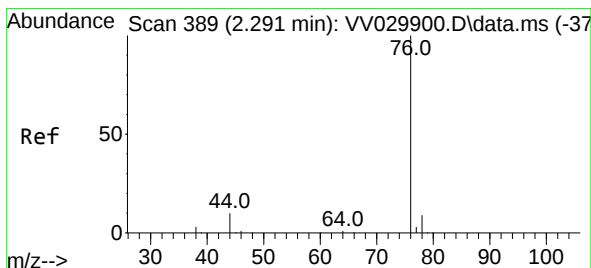
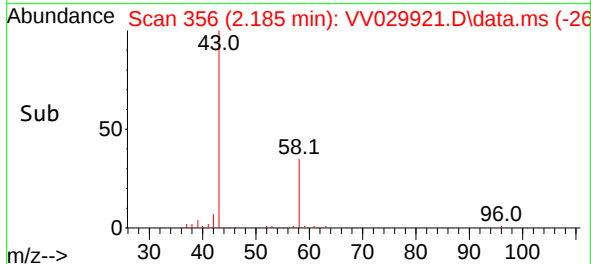
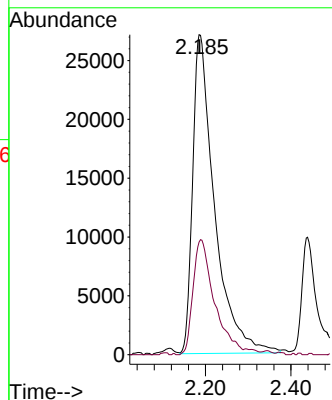
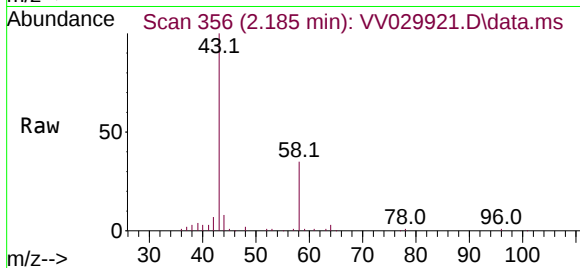
VSTD005389

Tgt Ion: 43 Resp: 96354

Ion Ratio Lower Upper

43 100

58 35.1 0.0 68.8



#14

Carbon disulfide

Concen: 5.205 ug/L

RT: 2.291 min Scan# 389

Delta R.T. -0.000 min

Lab File: VV029921.D

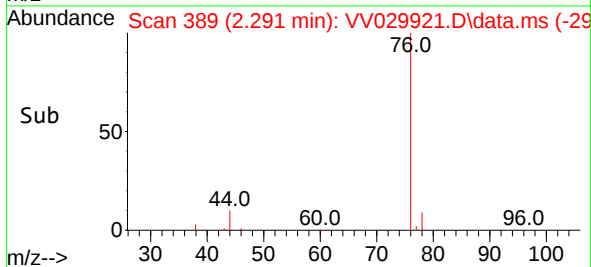
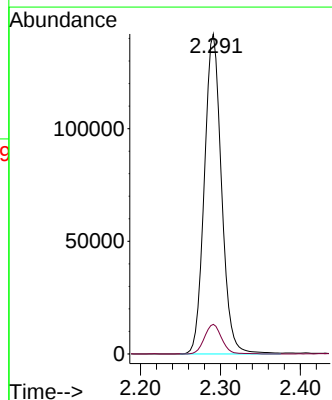
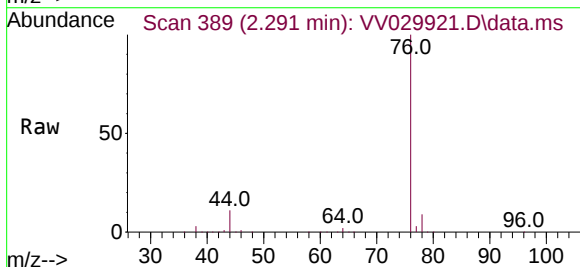
Acq: 23 Jan 2023 22:54

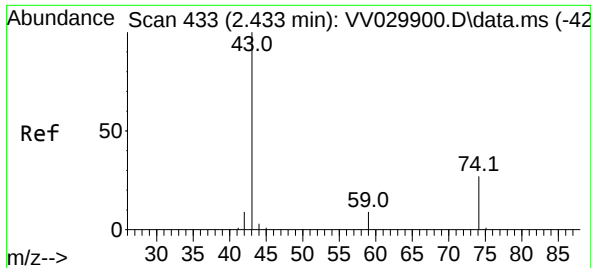
Tgt Ion: 76 Resp: 212511

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

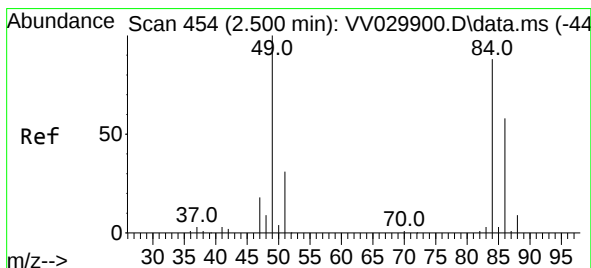
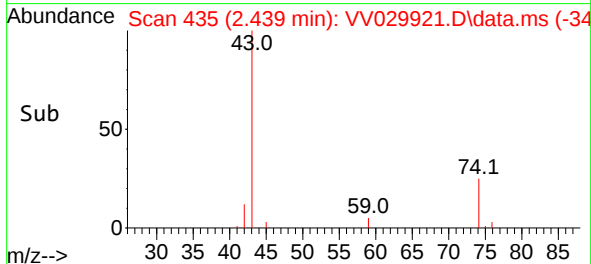
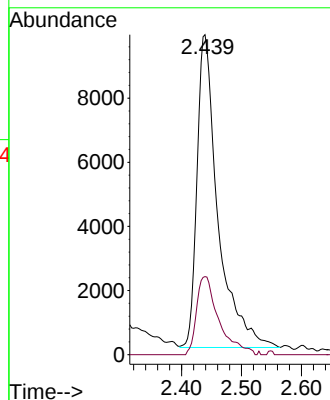
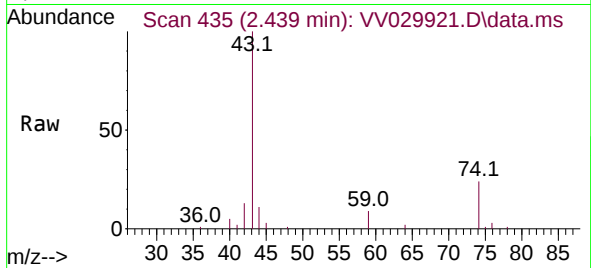




#15
Methyl Acetate
Concen: 5.727 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

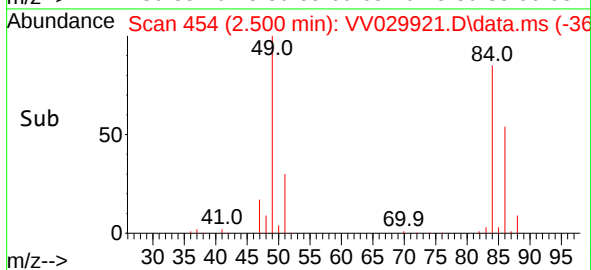
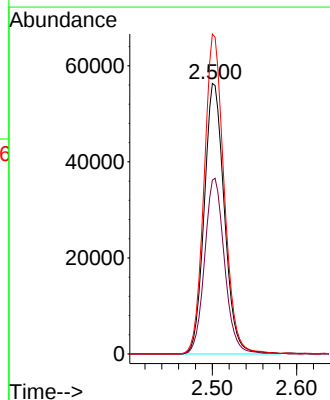
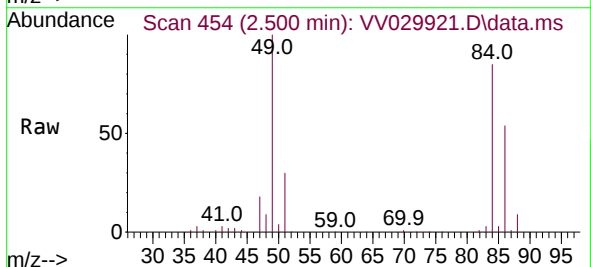
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

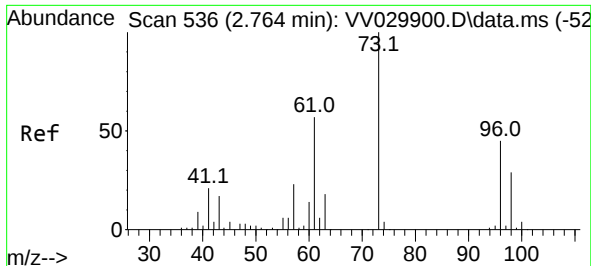
Tgt Ion: 43 Resp: 23766
Ion Ratio Lower Upper
43 100
74 26.5 23.4 35.0



#16
Methylene chloride
Concen: 5.313 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion: 84 Resp: 93596
Ion Ratio Lower Upper
84 100
86 64.2 45.0 83.6
49 118.3 71.5 132.7

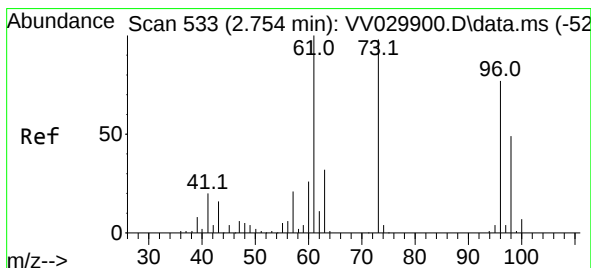
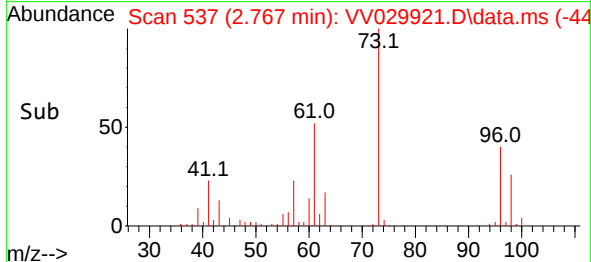
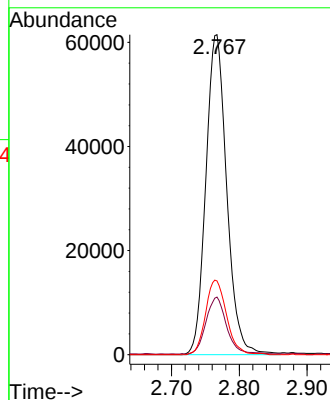
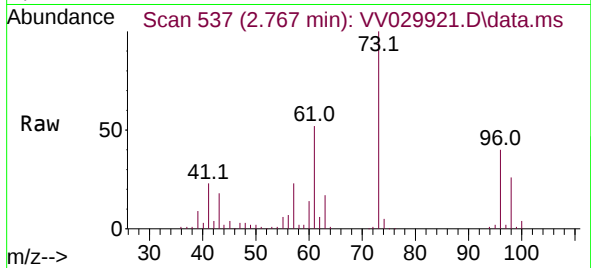




#17
Methyl tert-butyl Ether
Concen: 5.365 ug/L
RT: 2.767 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

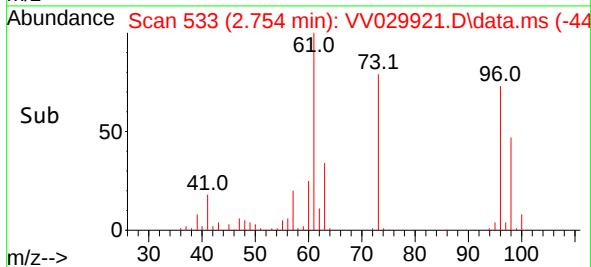
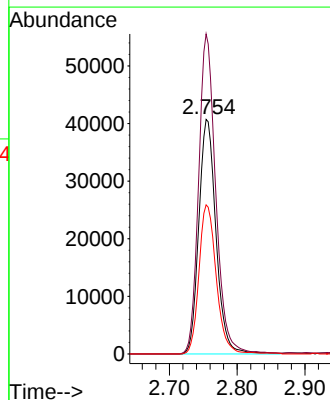
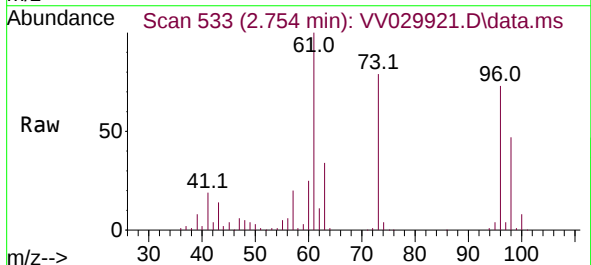
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

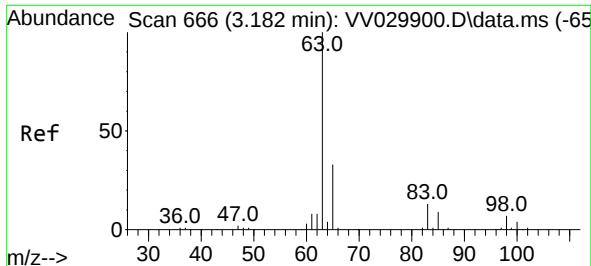
Tgt Ion: 73 Resp: 131551
Ion Ratio Lower Upper
73 100
43 17.5 13.0 19.4
57 23.3 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 5.450 ug/L
RT: 2.754 min Scan# 533
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion: 96 Resp: 71843
Ion Ratio Lower Upper
96 100
61 136.4 86.1 159.9
98 63.6 43.9 81.5

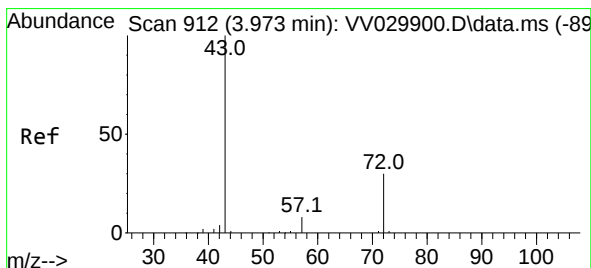
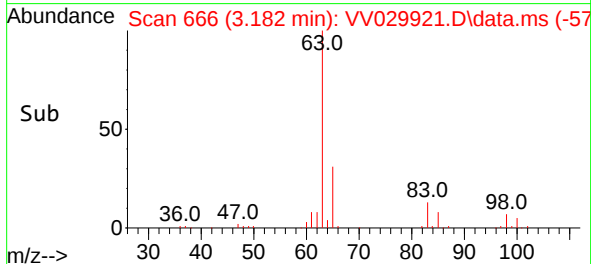
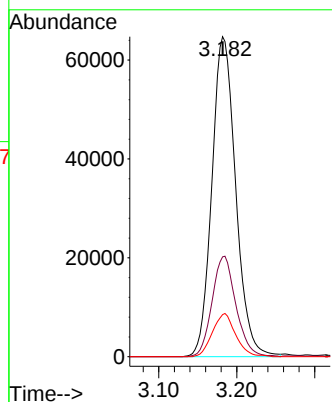
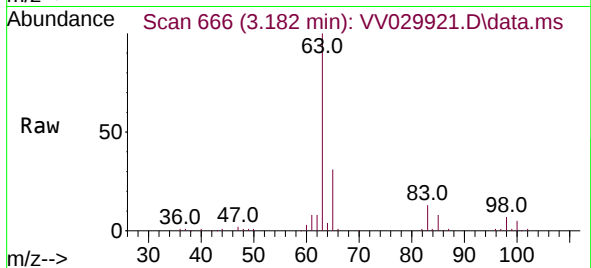




#19
1,1-Dichloroethane
Concen: 6.237 ug/L
RT: 3.182 min Scan# 611
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

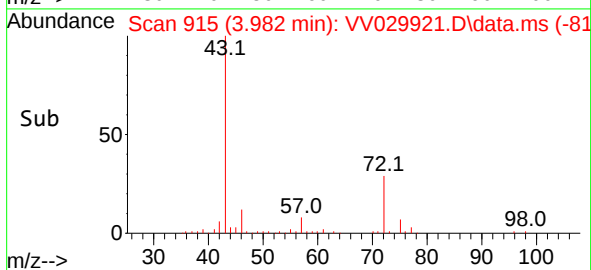
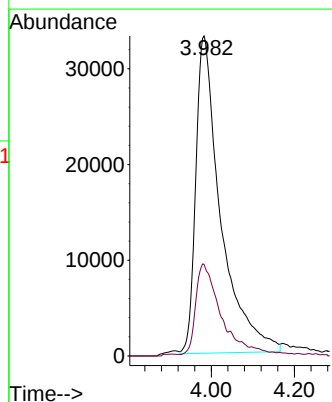
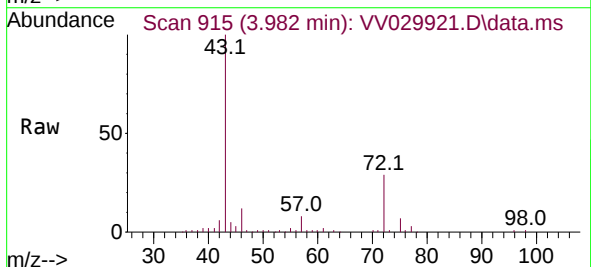
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

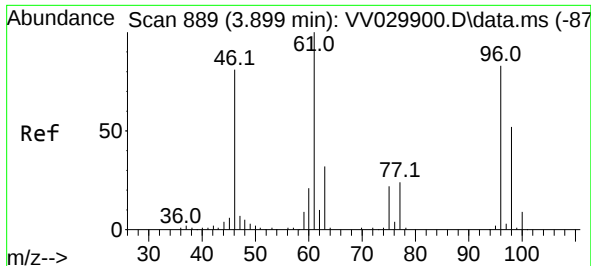
Tgt Ion: 63 Resp: 137532
Ion Ratio Lower Upper
63 100
65 31.2 22.4 41.6
83 13.1 10.2 19.0



#21
2-Butanone
Concen: 60.376 ug/L
RT: 3.982 min Scan# 915
Delta R.T. 0.010 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion: 43 Resp: 137832
Ion Ratio Lower Upper
43 100
72 24.0 13.9 41.6





#22

cis-1,2-Dichloroethene

Concen: 5.201 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.006 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005389

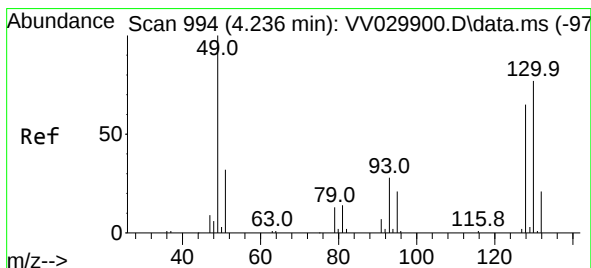
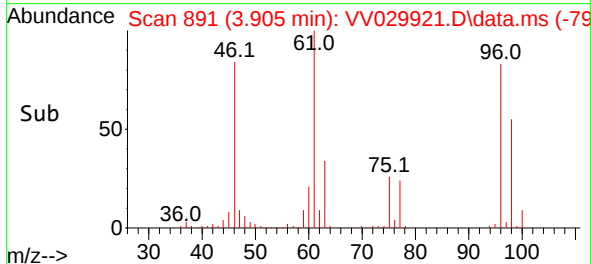
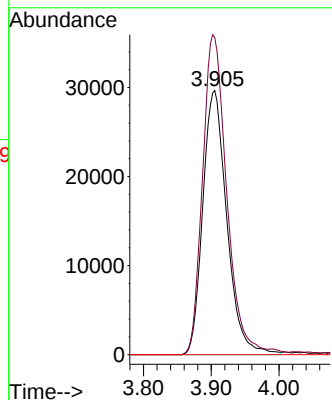
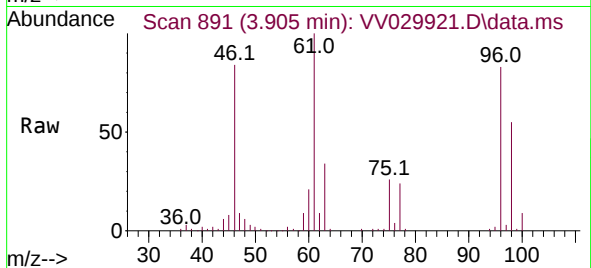
Tgt Ion: 96 Resp: 73053

Ion Ratio Lower Upper

96 100

61 120.0 80.0 148.6

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.812 ug/L

RT: 4.243 min Scan# 996

Delta R.T. 0.006 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Tgt Ion:128 Resp: 33715

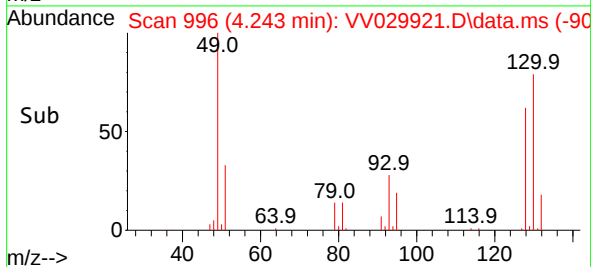
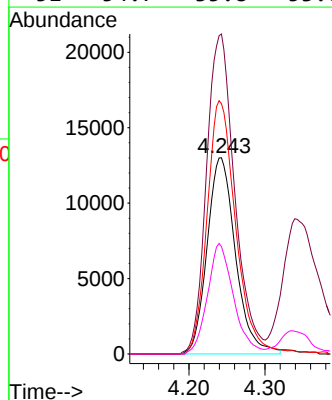
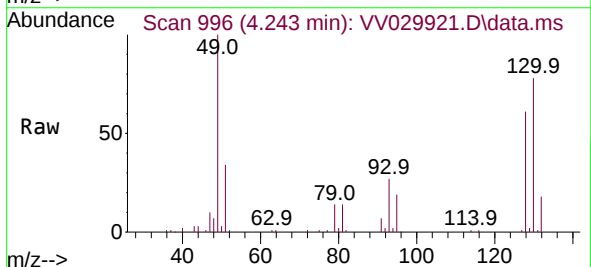
Ion Ratio Lower Upper

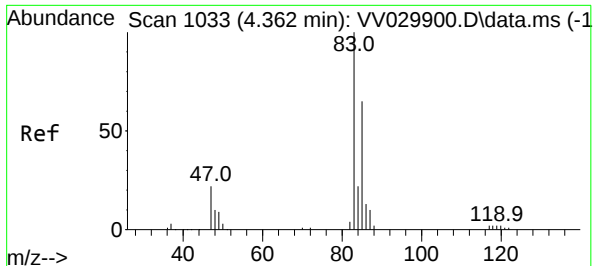
128 100

49 163.1 91.2 169.4

130 127.6 87.0 161.6

51 54.7 35.8 53.6#





#25

Chloroform

Concen: 5.680 ug/L

RT: 4.365 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

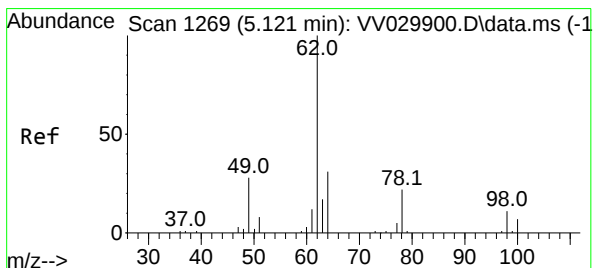
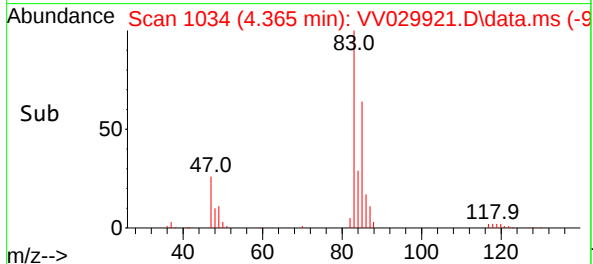
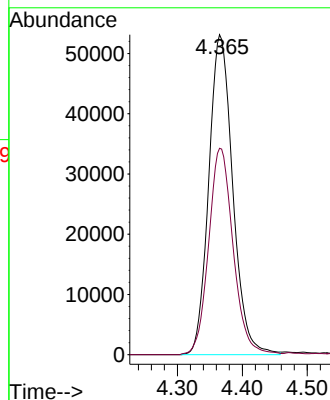
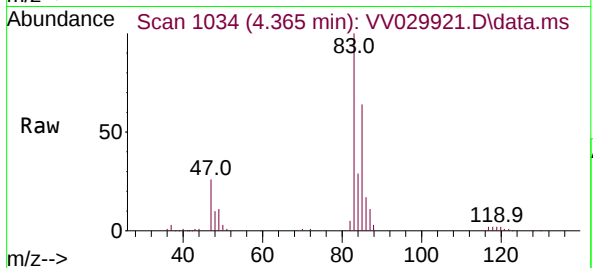
VSTD005389

Tgt Ion: 83 Resp: 136146

Ion Ratio Lower Upper

83 100

85 64.5 46.5 86.5



#27

1,2-Dichloroethane

Concen: 6.032 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VV029921.D

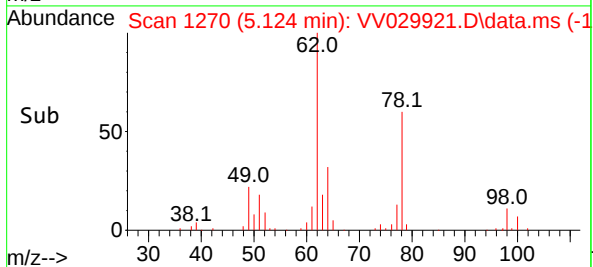
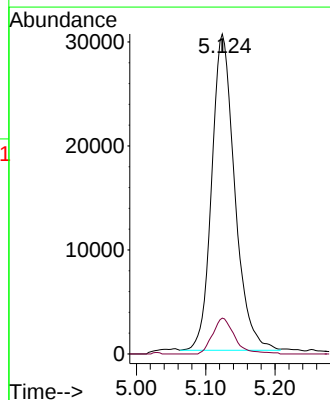
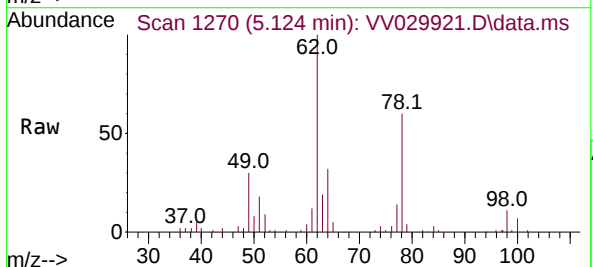
Acq: 23 Jan 2023 22:54

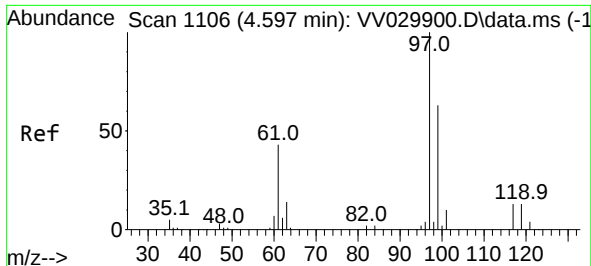
Tgt Ion: 62 Resp: 70249

Ion Ratio Lower Upper

62 100

98 11.2 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 5.313 ug/L

RT: 4.600 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005389

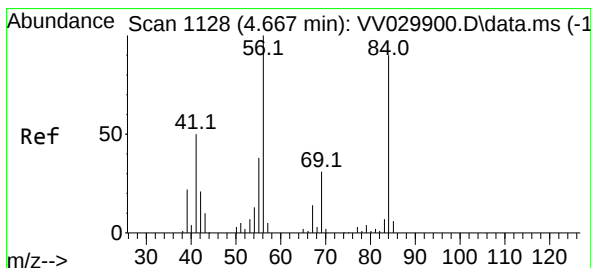
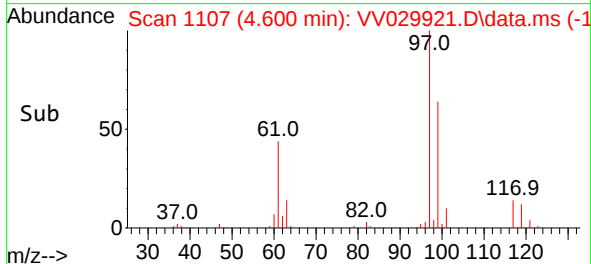
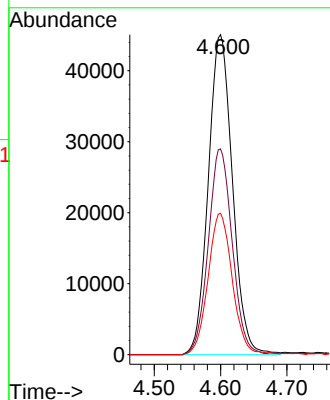
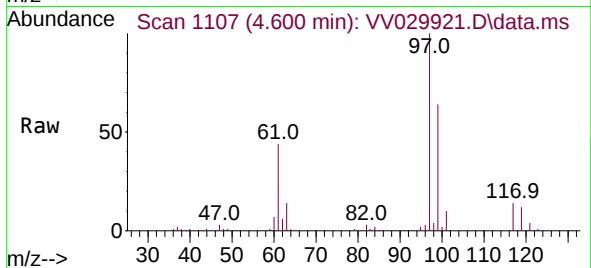
Tgt Ion: 97 Resp: 114092

Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

61 44.4 31.6 47.4



#30

Cyclohexane

Concen: 5.111 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

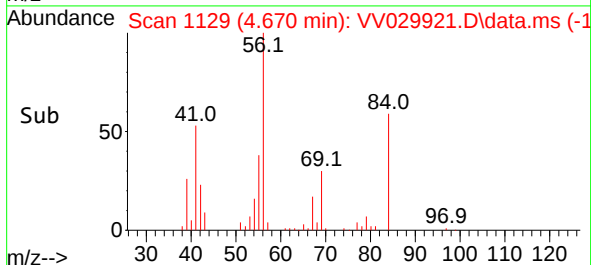
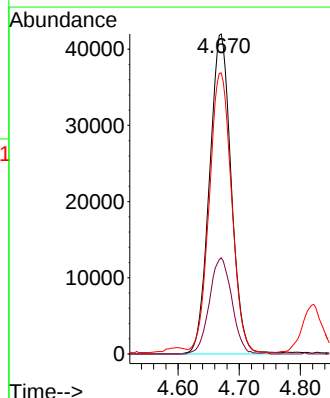
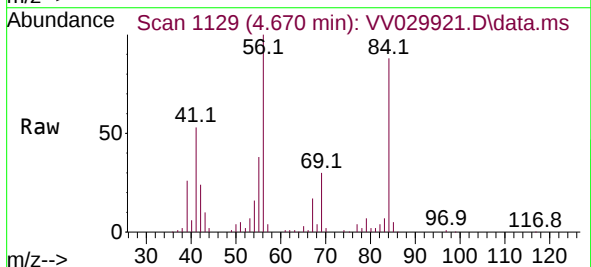
Tgt Ion: 56 Resp: 103909

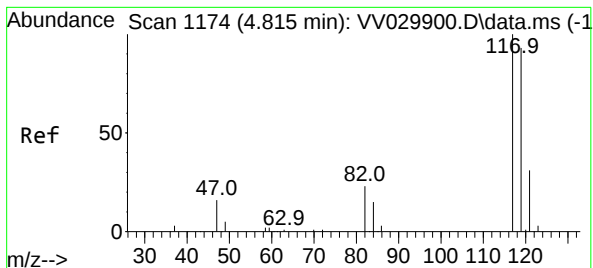
Ion Ratio Lower Upper

56 100

69 30.9 26.7 40.1

84 89.2 73.8 110.8





#31

Carbon tetrachloride

Concen: 5.133 ug/L

RT: 4.818 min Scan# 1174

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

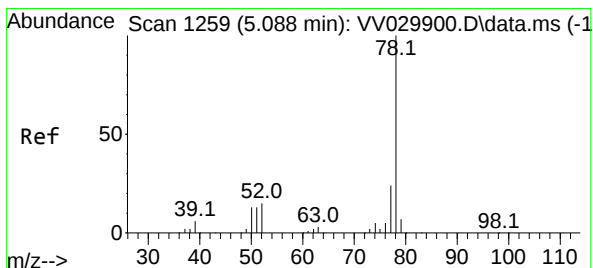
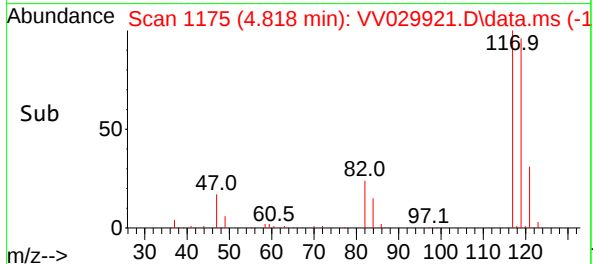
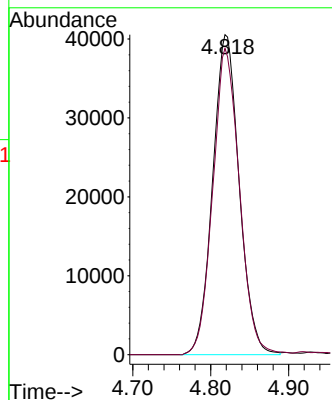
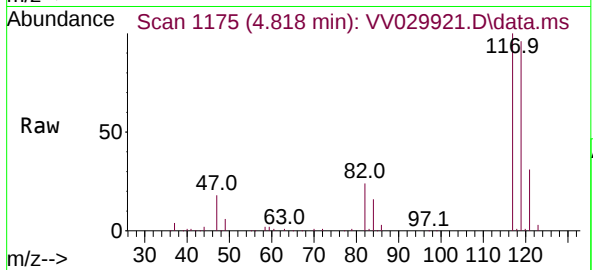
VSTD005389

Tgt Ion:117 Resp: 95917

Ion Ratio Lower Upper

117 100

119 96.3 76.6 114.8



#33

Benzene

Concen: 5.630 ug/L

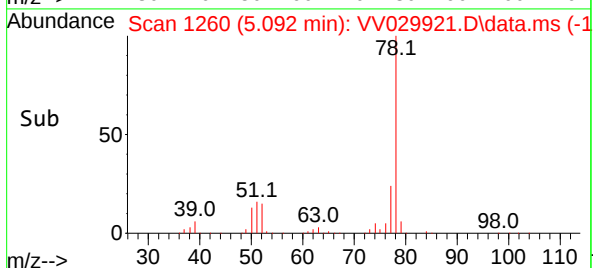
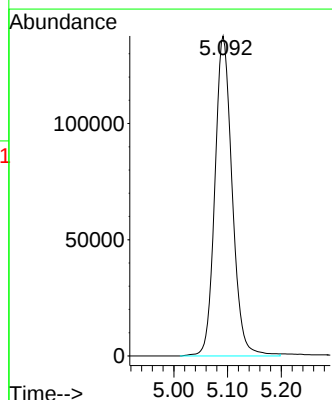
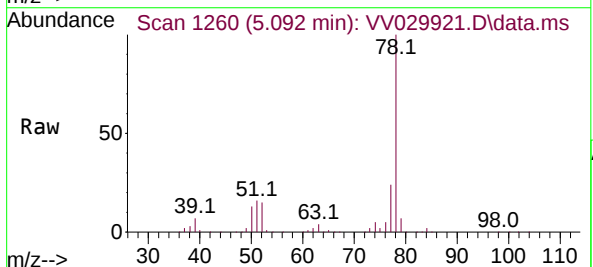
RT: 5.092 min Scan# 1260

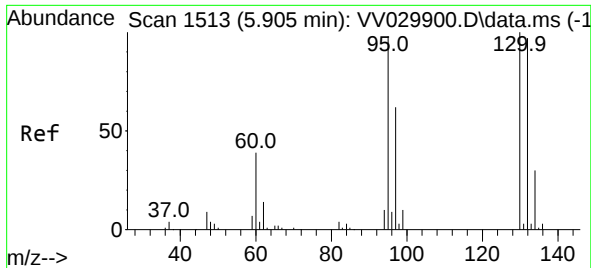
Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Tgt Ion: 78 Resp: 307863



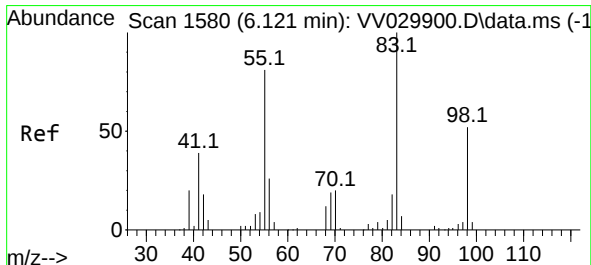
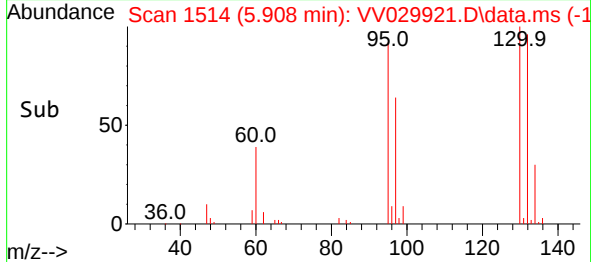
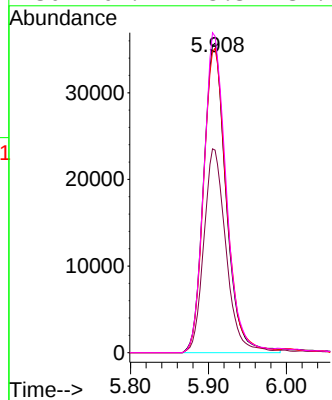
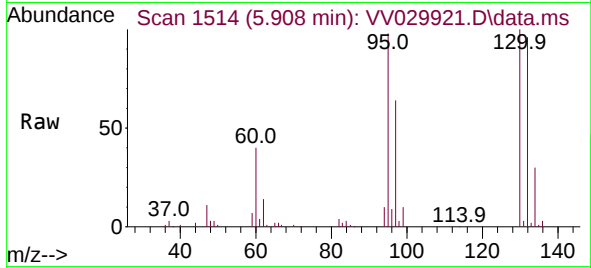


#34
 Trichloroethene
 Concen: 5.177 ug/L
 RT: 5.908 min Scan# 1513
 Delta R.T. 0.003 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005389

Tgt Ion: 95 Resp: 71747

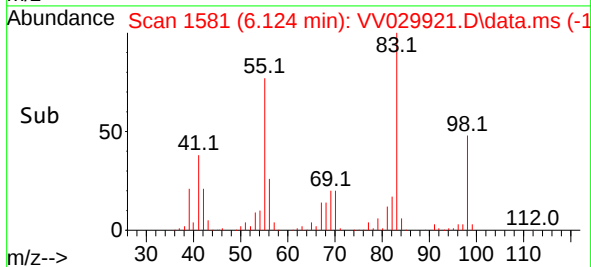
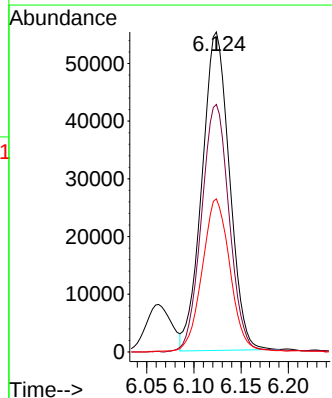
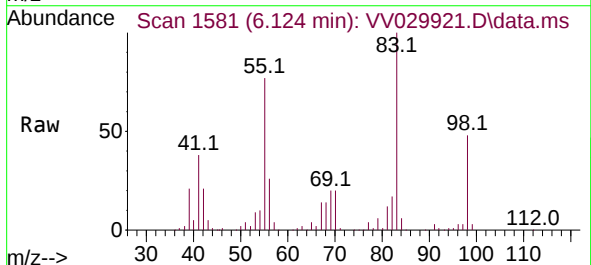
Ion	Ratio	Lower	Upper
95	100		
97	65.5	44.9	83.3
132	98.3	71.8	133.4
130	102.2	75.3	139.8

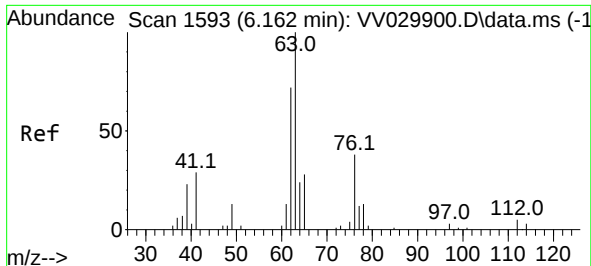


#35
 Methylcyclohexane
 Concen: 4.772 ug/L
 RT: 6.124 min Scan# 1581
 Delta R.T. 0.003 min
 Lab File: VV029921.D
 Acq: 23 Jan 2023 22:54

Tgt Ion: 83 Resp: 111653

Ion	Ratio	Lower	Upper
83	100		
55	79.2	57.3	85.9
98	49.1	39.0	58.6





#37

1,2-Dichloropropane

Concen: 5.956 ug/L

RT: 6.166 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

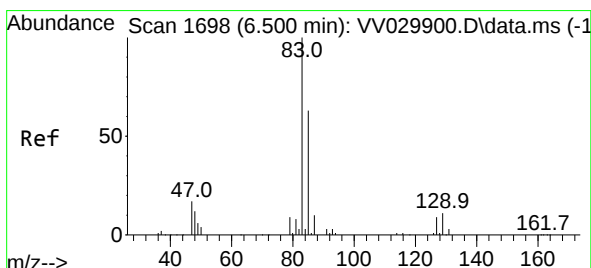
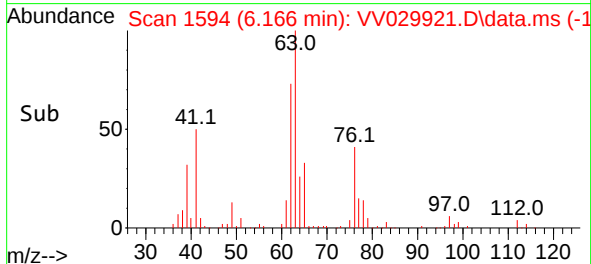
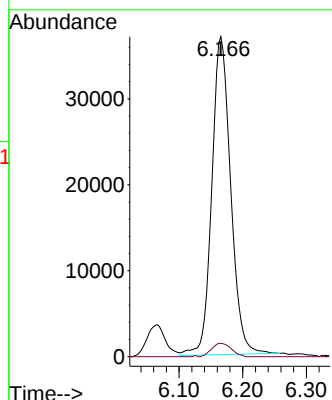
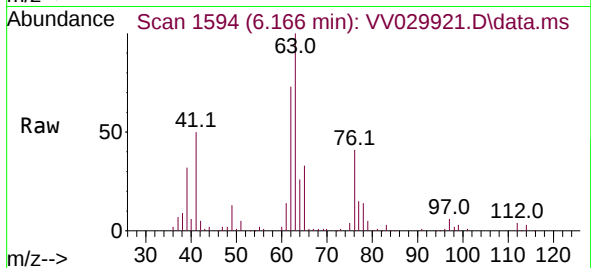
VSTD005389

Tgt Ion: 63 Resp: 76278

Ion Ratio Lower Upper

63 100

112 4.4 3.9 5.9



#38

Bromodichloromethane

Concen: 5.561 ug/L

RT: 6.503 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

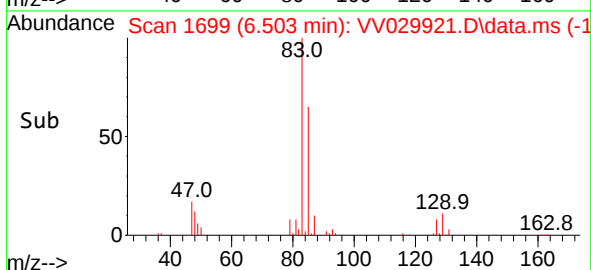
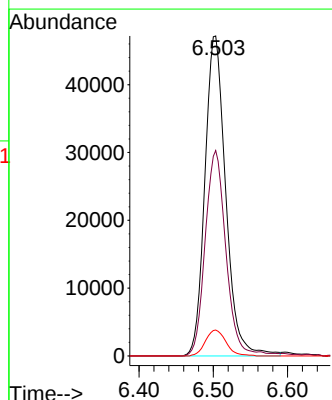
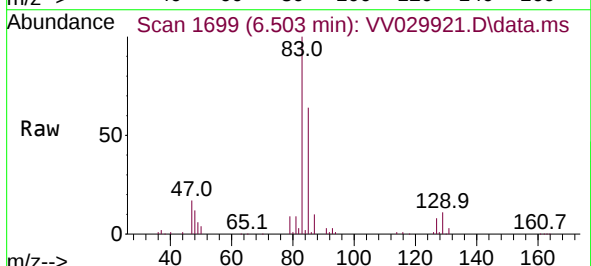
Tgt Ion: 83 Resp: 92114

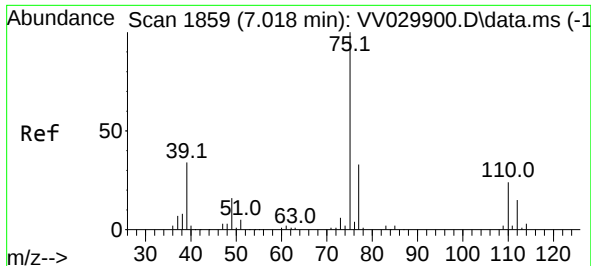
Ion Ratio Lower Upper

83 100

85 64.2 43.2 80.2

127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.693 ug/L

RT: 7.021 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

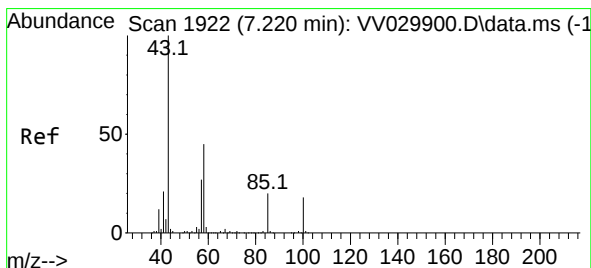
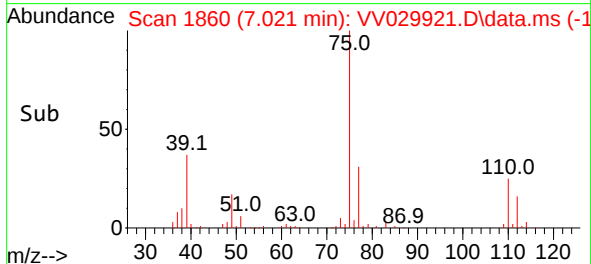
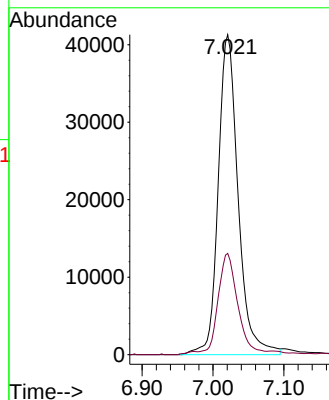
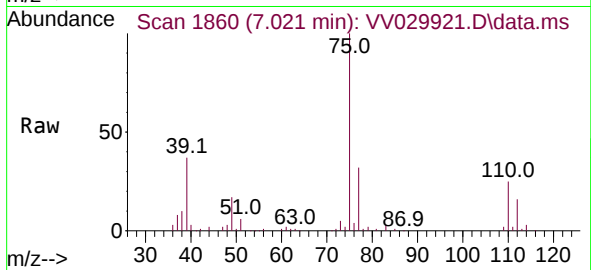
VSTD005389

Tgt Ion: 75 Resp: 80588

Ion Ratio Lower Upper

75 100

77 31.7 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 62.177 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

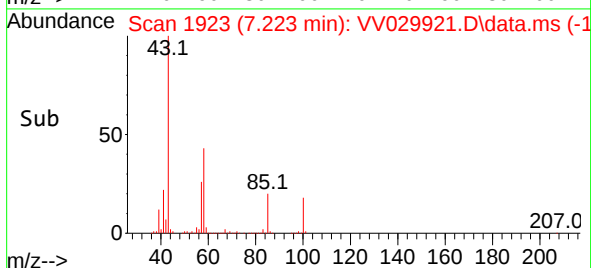
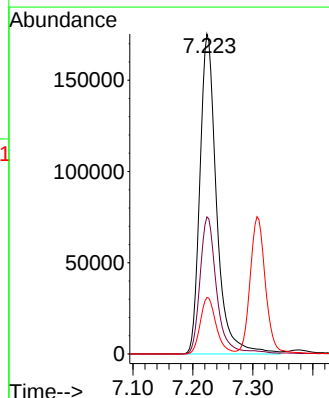
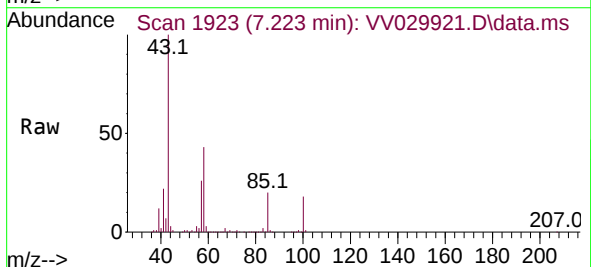
Tgt Ion: 43 Resp: 339794

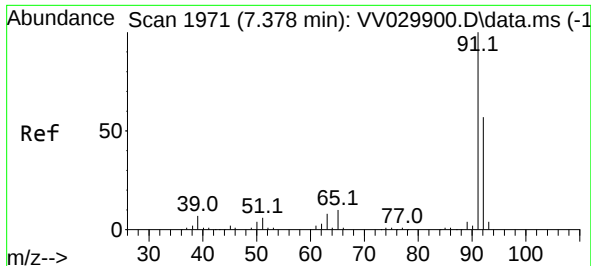
Ion Ratio Lower Upper

43 100

58 43.1 36.7 55.1

100 16.8 15.6 23.4





#42

Toluene

Concen: 5.465 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. -0.000 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

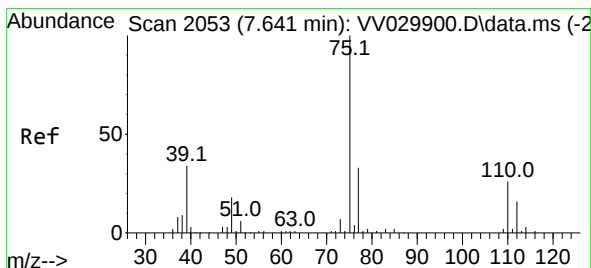
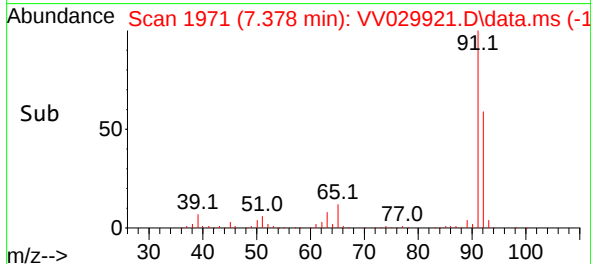
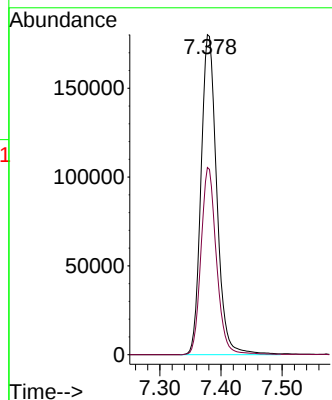
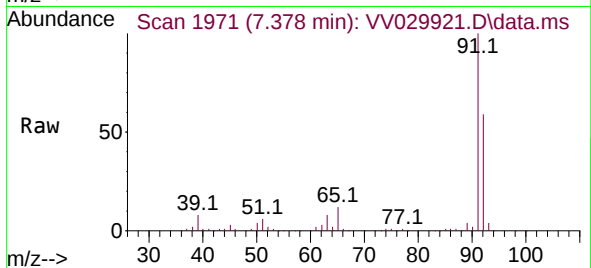
VSTD005389

Tgt Ion: 91 Resp: 322337

Ion Ratio Lower Upper

91 100

92 58.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 4.649 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV029921.D

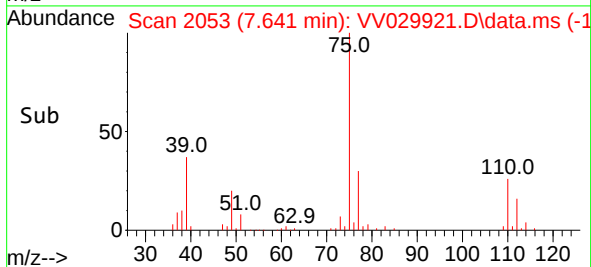
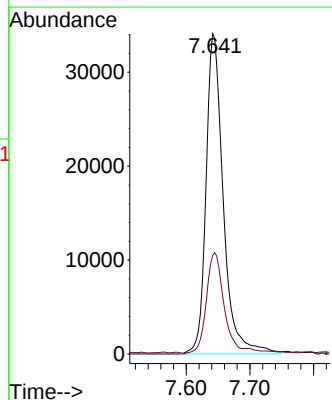
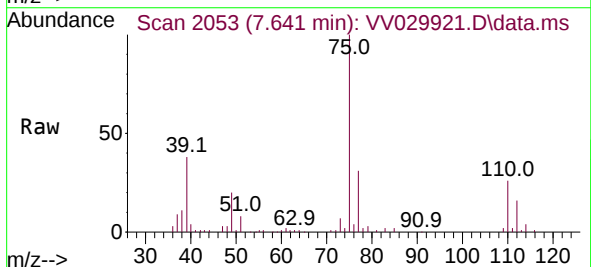
Acq: 23 Jan 2023 22:54

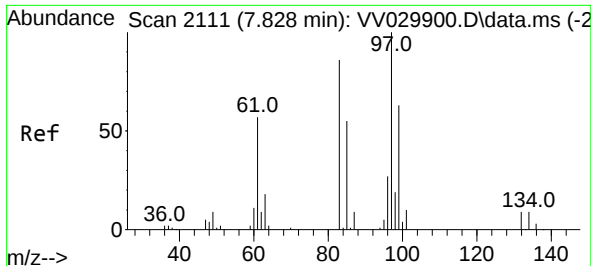
Tgt Ion: 75 Resp: 64343

Ion Ratio Lower Upper

75 100

77 30.8 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 5.490 ug/L

RT: 7.831 min Scan# 2112

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005389

Tgt Ion: 97 Resp: 50650

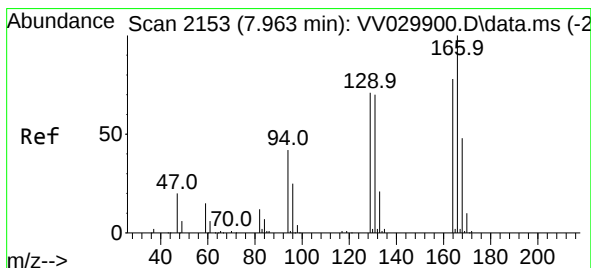
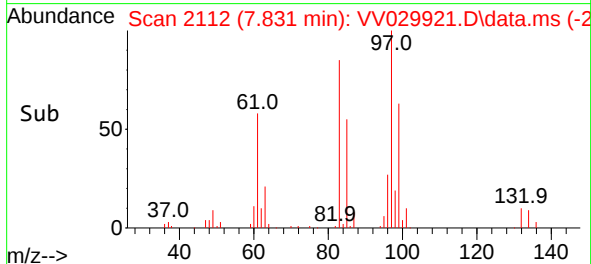
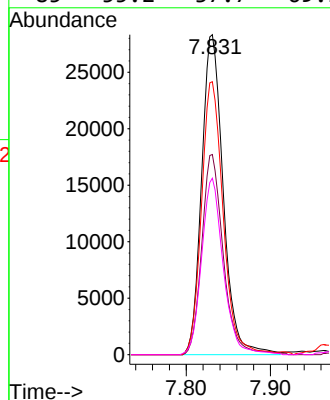
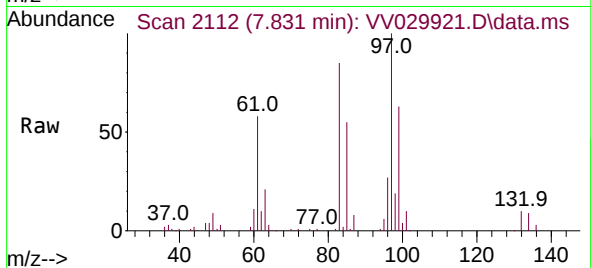
Ion Ratio Lower Upper

97 100

99 62.6 41.9 77.7

83 85.3 58.7 109.1

85 55.2 37.7 69.9



#47

Tetrachloroethene

Concen: 5.061 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Tgt Ion: 164 Resp: 59047

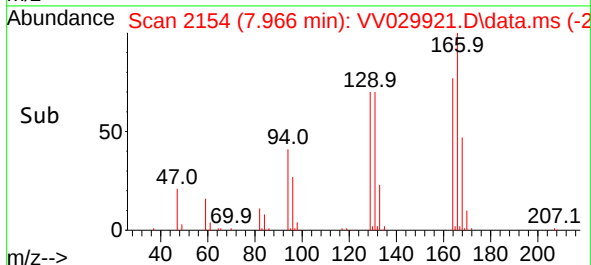
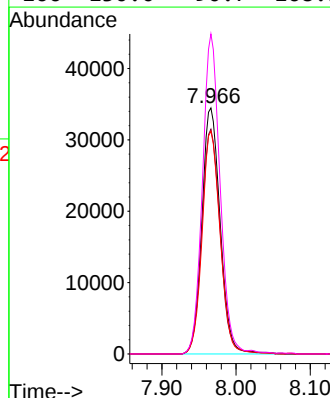
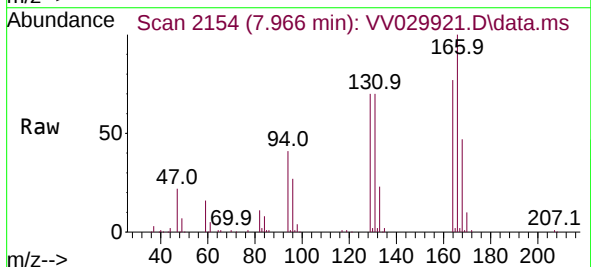
Ion Ratio Lower Upper

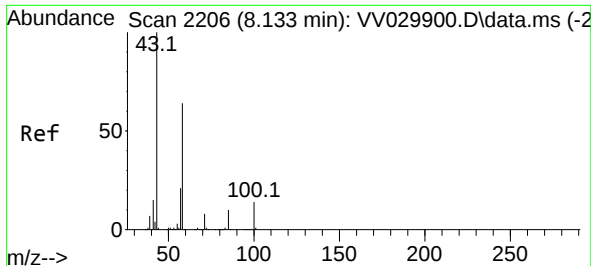
164 100

129 91.3 64.5 119.7

131 90.6 62.9 116.7

166 130.0 90.7 168.5

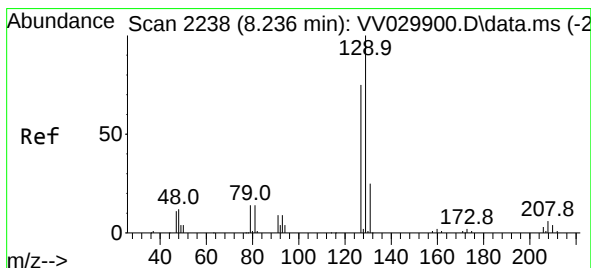
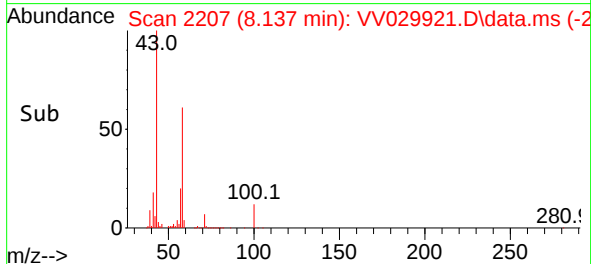
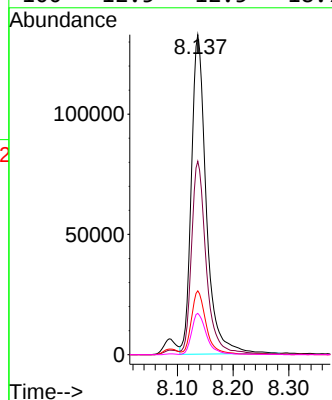
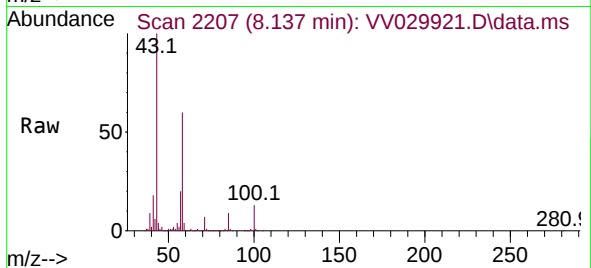




#48
2-Hexanone
Concen: 63.409 ug/L
RT: 8.137 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

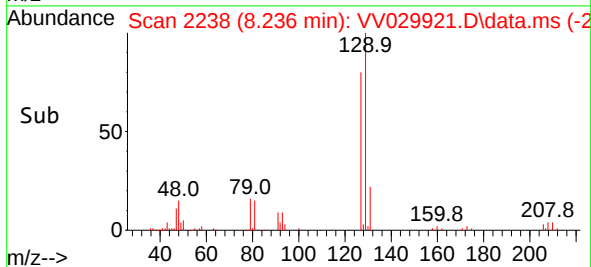
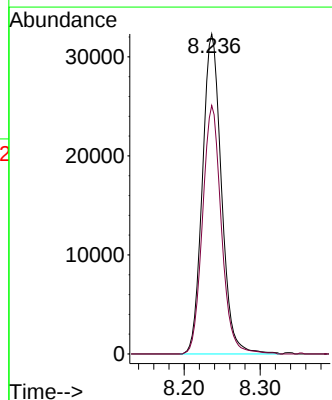
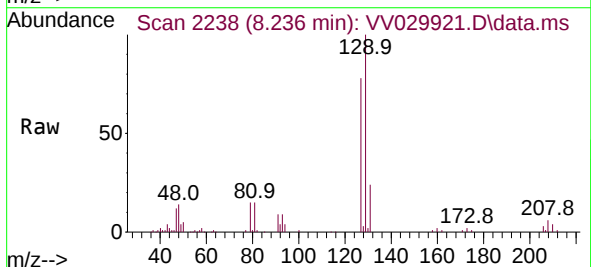
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

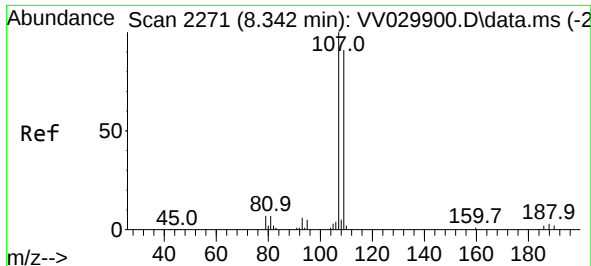
Tgt Ion: 43 Resp: 247688
Ion Ratio Lower Upper
43 100
58 59.4 51.4 77.2
57 19.5 17.0 25.6
100 12.5 12.5 18.7



#49
Dibromochloromethane
Concen: 5.183 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion: 129 Resp: 56121
Ion Ratio Lower Upper
129 100
127 77.6 54.1 100.5





#50

1,2-Dibromoethane

Concen: 5.446 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005389

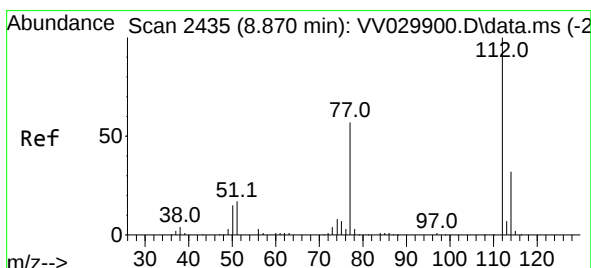
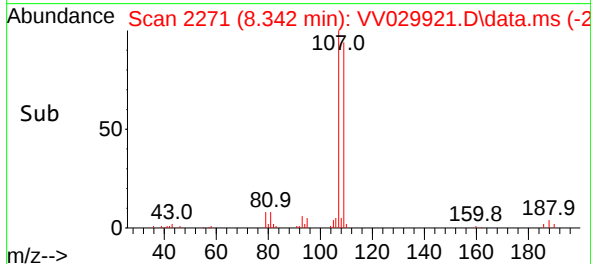
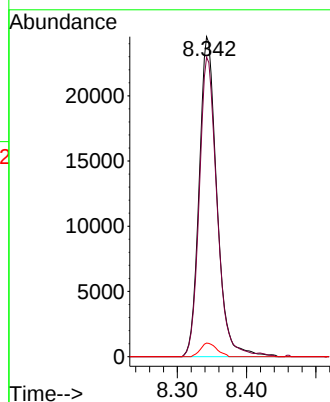
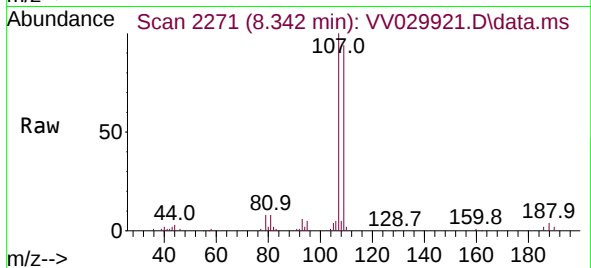
Tgt Ion:107 Resp: 43615

Ion Ratio Lower Upper

107 100

109 93.6 66.1 122.7

188 4.3 2.9 4.3



#51

Chlorobenzene

Concen: 5.052 ug/L

RT: 8.873 min Scan# 2436

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

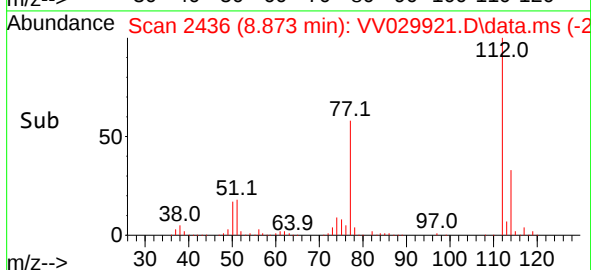
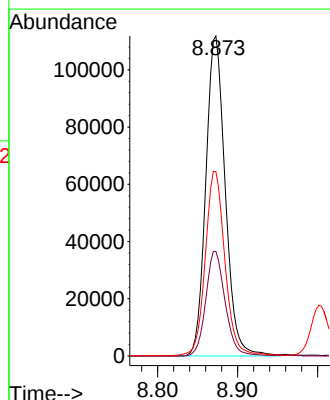
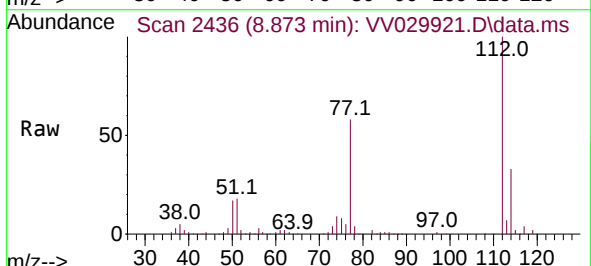
Tgt Ion:112 Resp: 189179

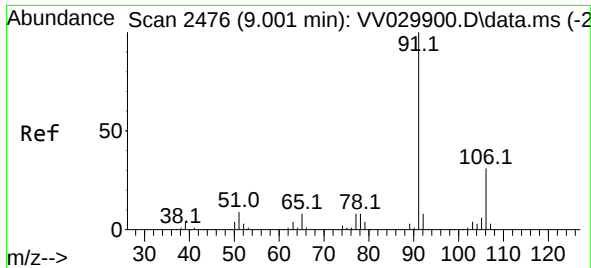
Ion Ratio Lower Upper

112 100

114 32.7 22.5 41.9

77 57.6 46.1 69.1

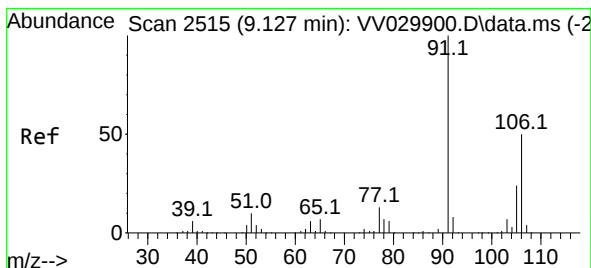
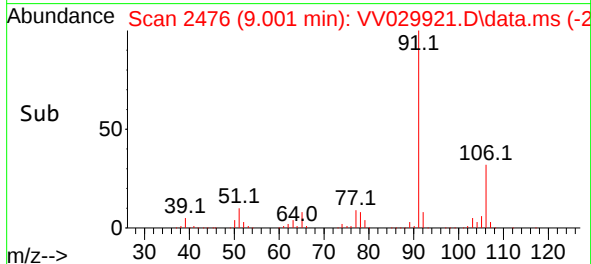
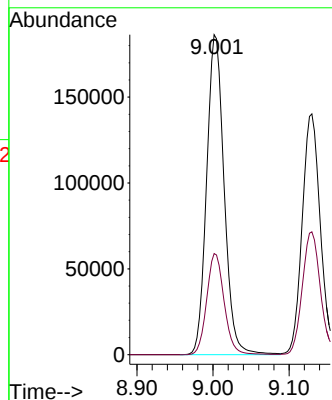
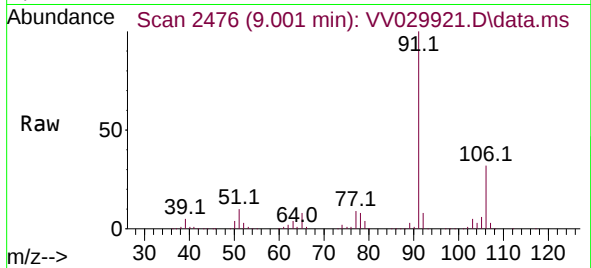




#52
Ethylbenzene
Concen: 4.833 ug/L
RT: 9.001 min Scan# 2476
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

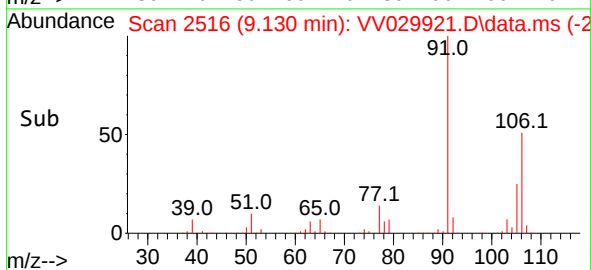
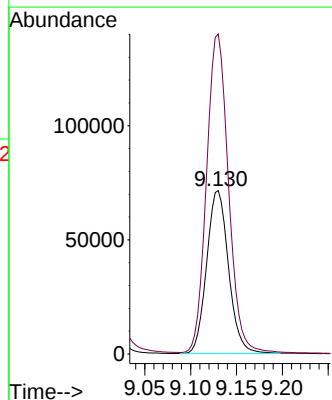
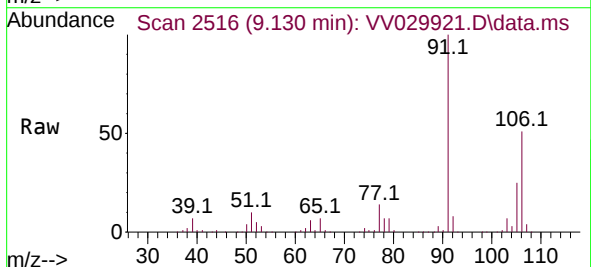
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

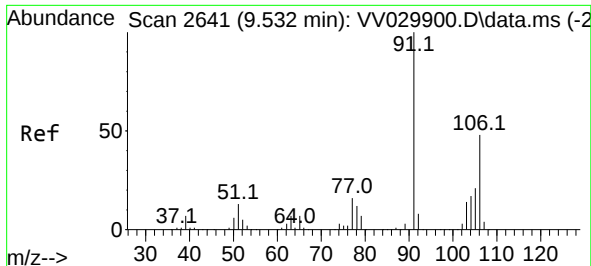
Tgt Ion: 91 Resp: 298298
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7



#53
m,p-Xylene
Concen: 4.854 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion: 106 Resp: 118589
Ion Ratio Lower Upper
106 100
91 195.8 138.7 257.7

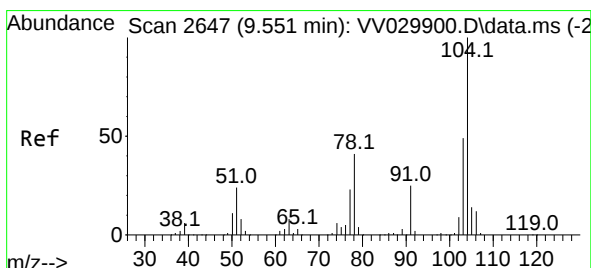
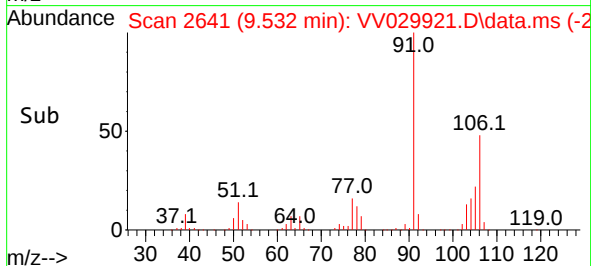
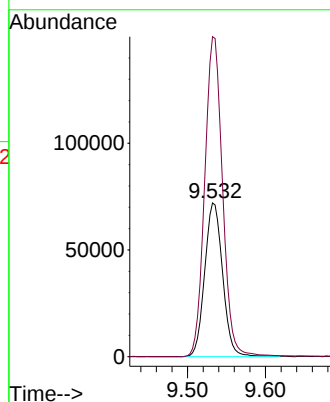
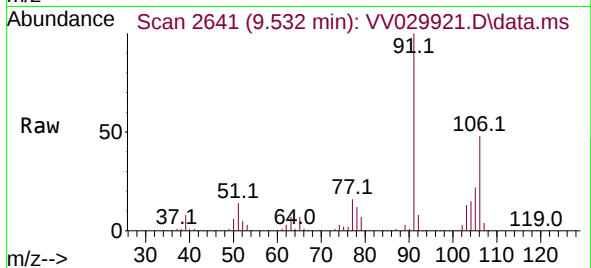




#54
o-Xylene
Concen: 4.967 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

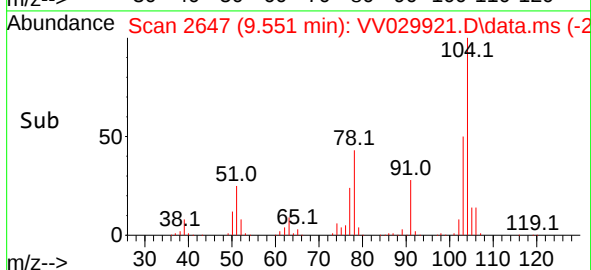
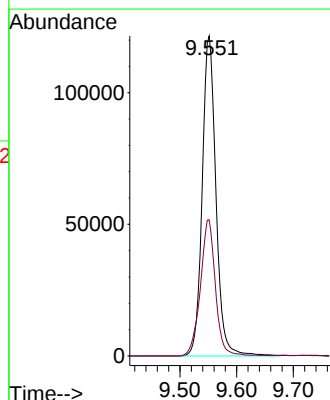
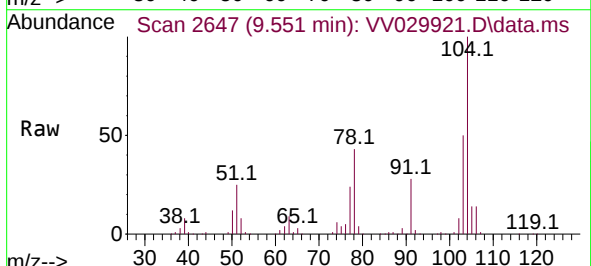
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

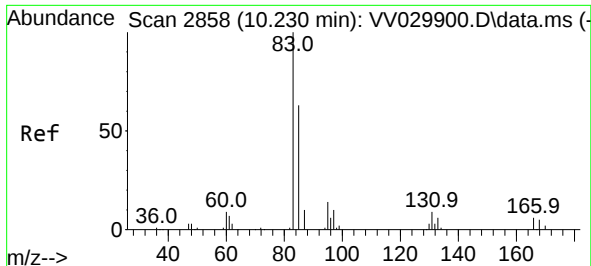
Tgt Ion:106 Resp: 115178
Ion Ratio Lower Upper
106 100
91 208.1 147.7 274.3



#55
Styrene
Concen: 5.142 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion:104 Resp: 205053
Ion Ratio Lower Upper
104 100
78 42.6 28.6 53.2





#57

1,1,2,2-Tetrachloroethane

Concen: 6.268 ug/L

RT: 10.230 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005389

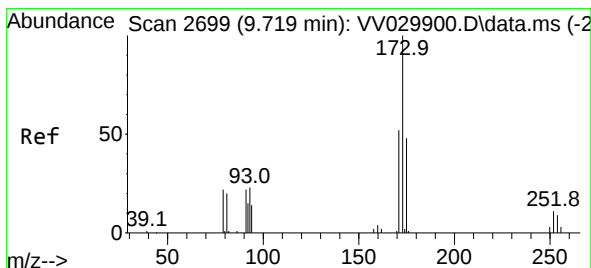
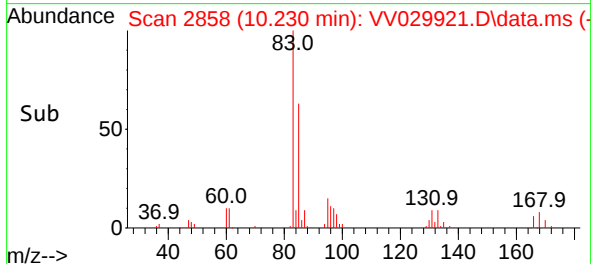
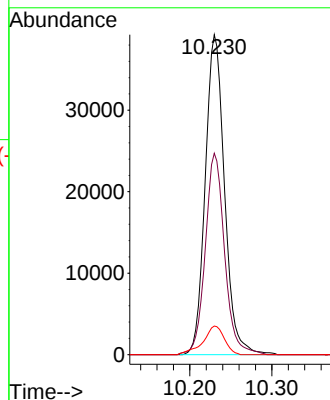
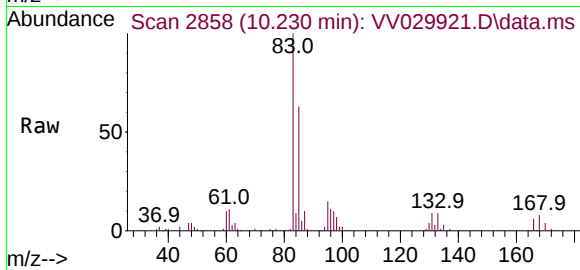
Tgt Ion: 83 Resp: 64243

Ion Ratio Lower Upper

83 100

85 62.9 46.0 85.4

131 9.0 8.4 12.6



#59

Bromoform

Concen: 4.292 ug/L

RT: 9.722 min Scan# 2700

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

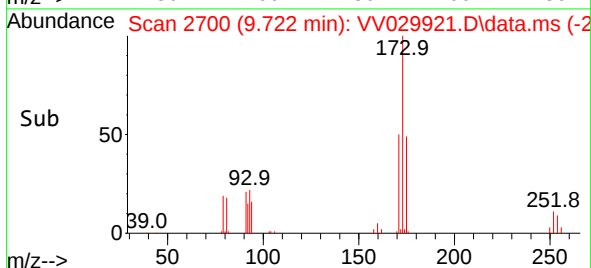
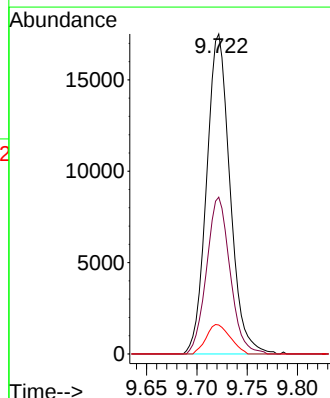
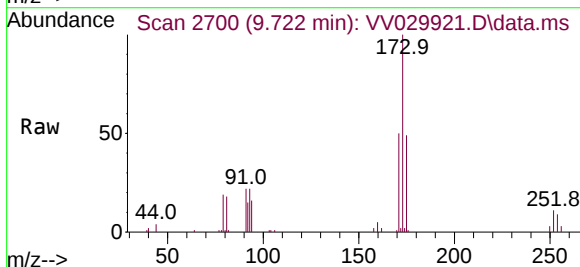
Tgt Ion: 173 Resp: 28326

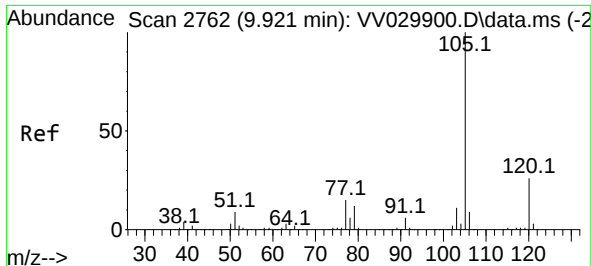
Ion Ratio Lower Upper

173 100

175 49.2 38.6 57.8

254 9.4 7.9 11.9

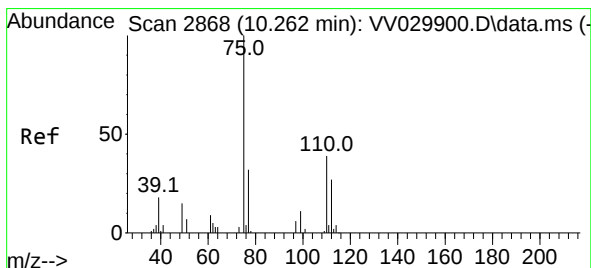
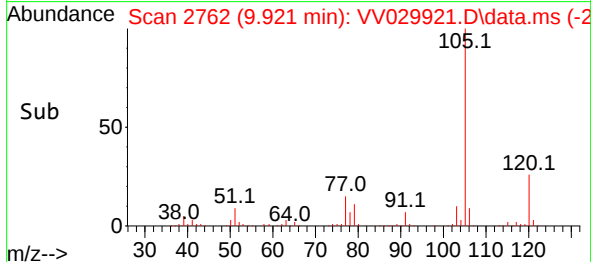
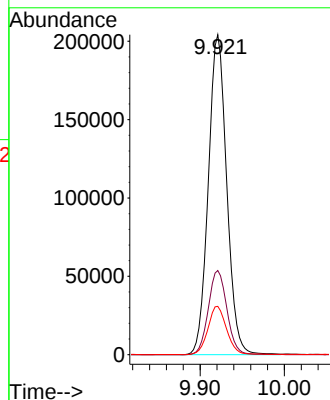
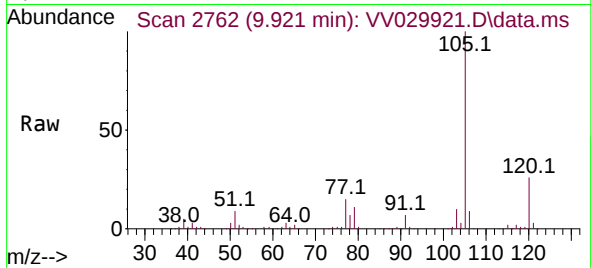




#60
Isopropylbenzene
Concen: 4.768 ug/L
RT: 9.921 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

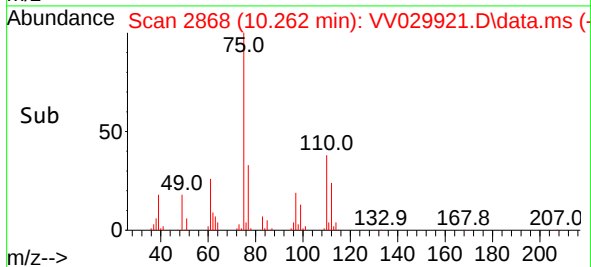
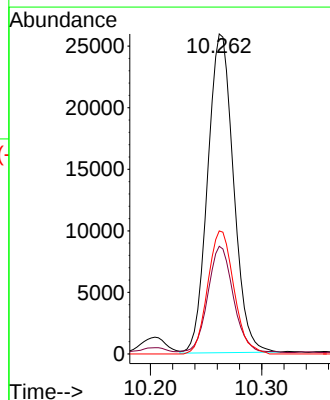
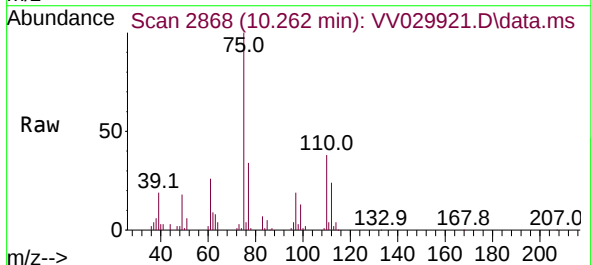
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

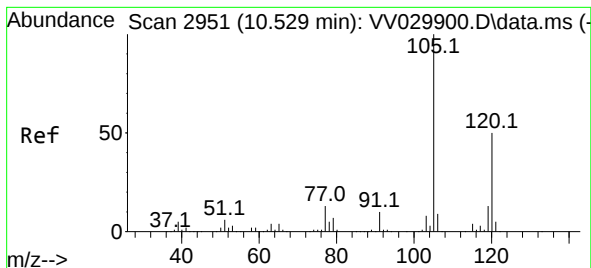
Tgt Ion:105 Resp: 310509
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 15.3 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.531 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion: 75 Resp: 41729
Ion Ratio Lower Upper
75 100
77 33.0 26.5 39.7
110 39.0 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.418 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

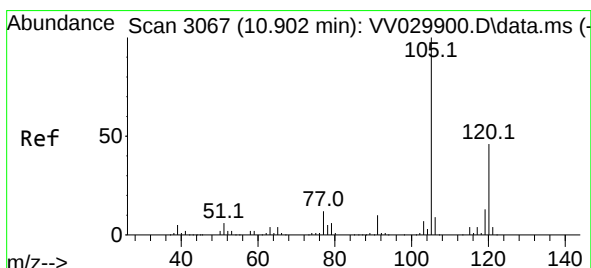
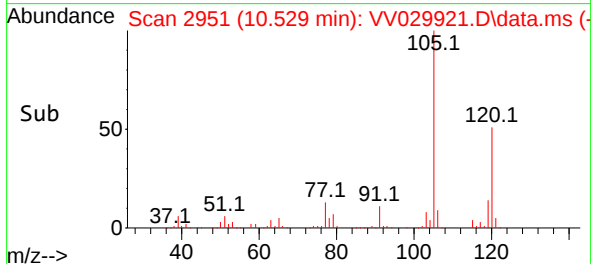
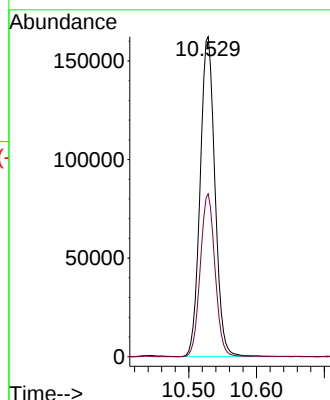
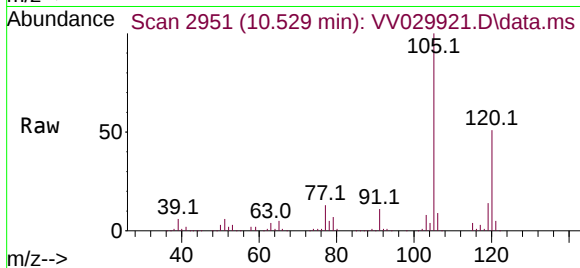
VSTD005389

Tgt Ion:105 Resp: 246587

Ion Ratio Lower Upper

105 100

120 50.5 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.523 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. -0.000 min

Lab File: VV029921.D

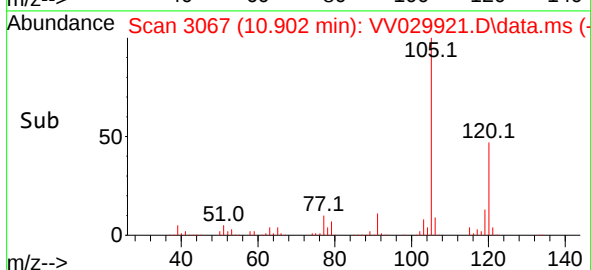
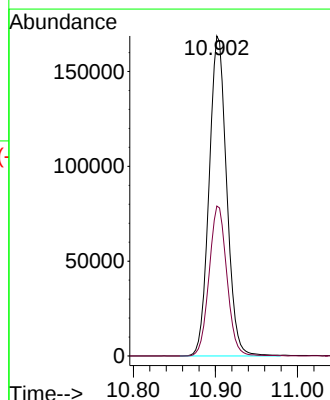
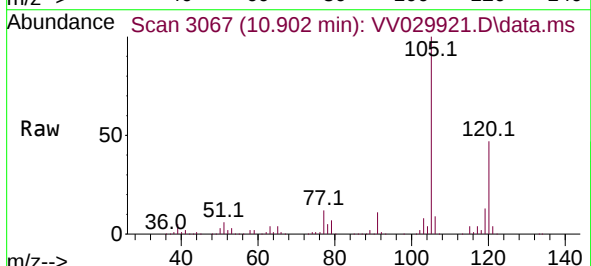
Acq: 23 Jan 2023 22:54

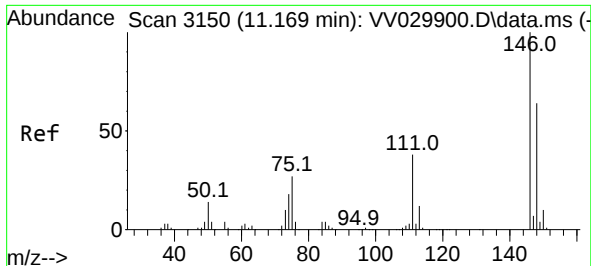
Tgt Ion:105 Resp: 251711

Ion Ratio Lower Upper

105 100

120 47.4 37.4 56.0

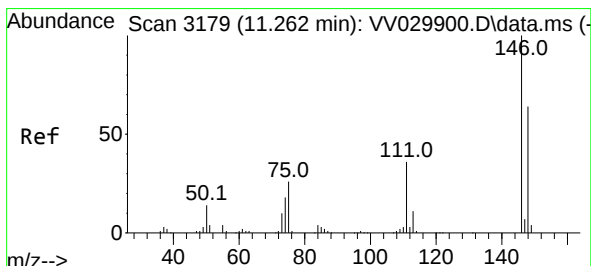
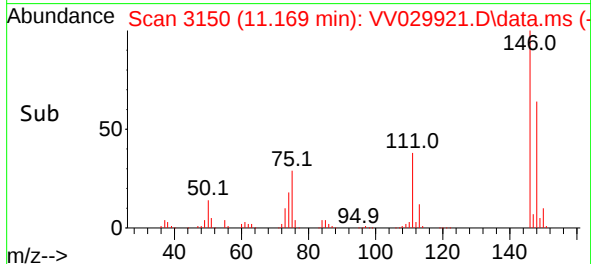
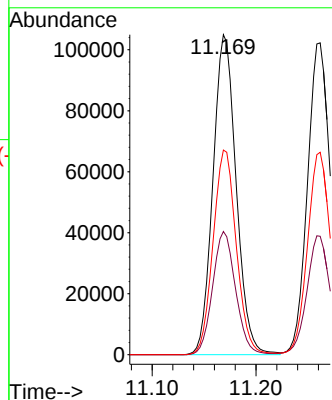
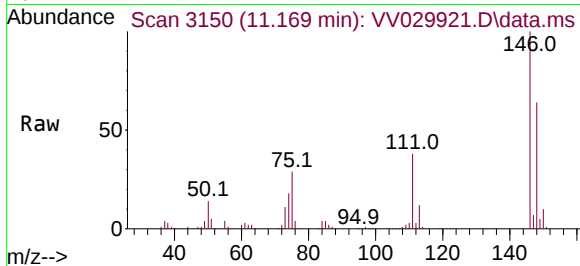




#64
1,3-Dichlorobenzene
Concen: 4.923 ug/L
RT: 11.169 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

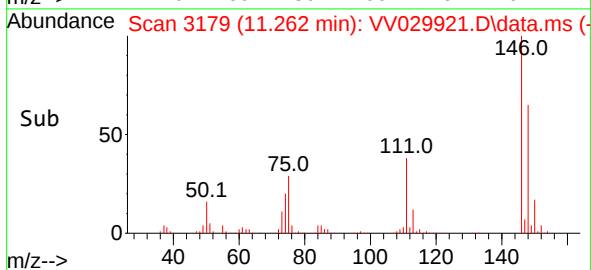
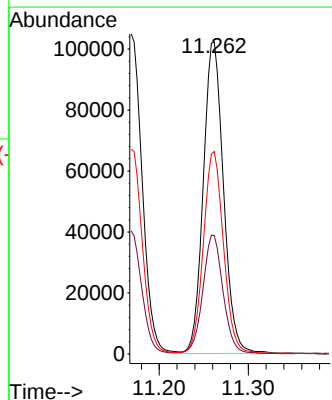
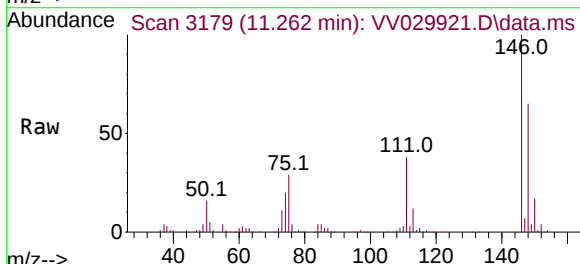
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

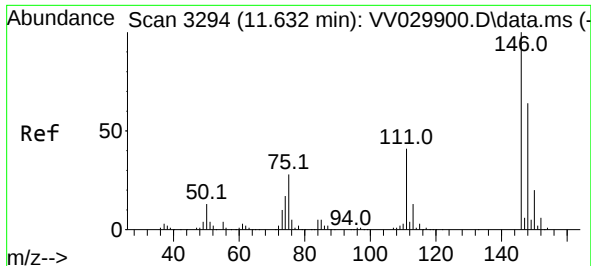
Tgt Ion:146 Resp: 162815
Ion Ratio Lower Upper
146 100
111 38.5 27.2 50.6
148 63.9 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 4.878 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion:146 Resp: 160824
Ion Ratio Lower Upper
146 100
111 37.9 26.5 49.1
148 64.9 45.8 85.2

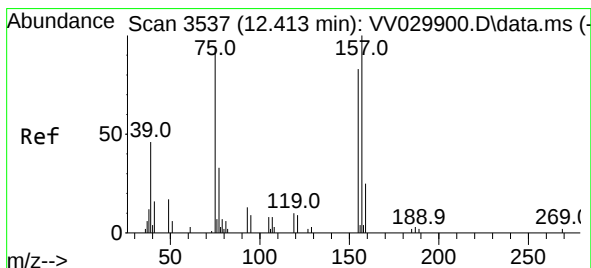
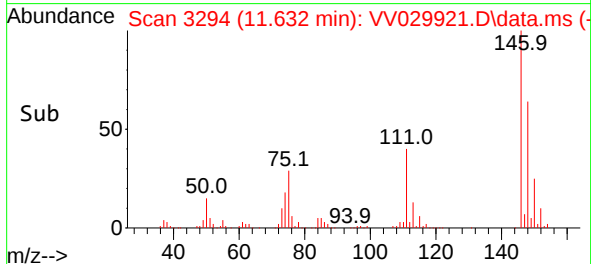
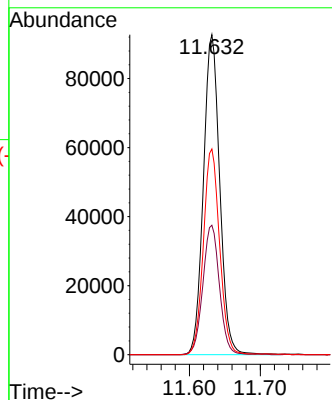
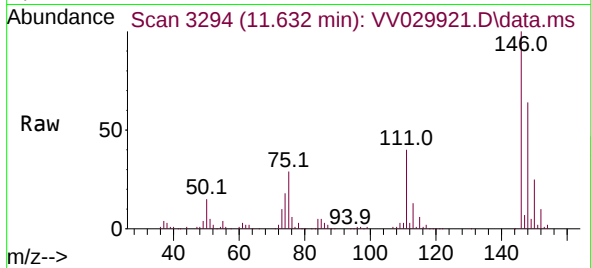




#67
1,2-Dichlorobenzene
Concen: 4.995 ug/L
RT: 11.632 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

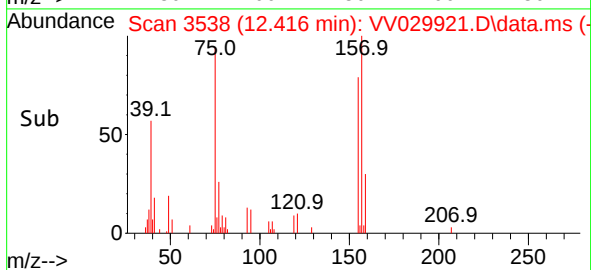
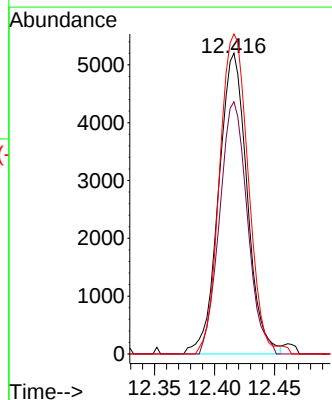
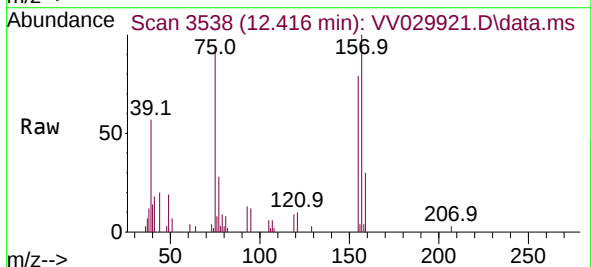
Instrument :
MSVOA_V
ClientSampleId :
VSTD005389

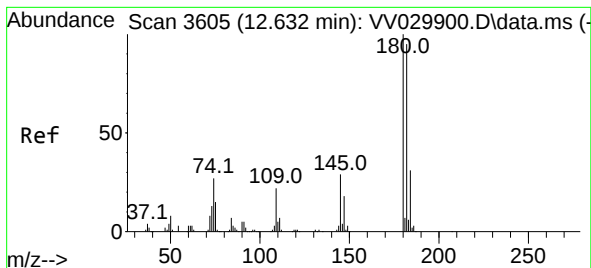
Tgt Ion:146 Resp: 148520
Ion Ratio Lower Upper
146 100
111 40.5 31.8 47.8
148 64.3 51.4 77.0



#68
1,2-Dibromo-3-chloropropane
Concen: 4.813 ug/L
RT: 12.416 min Scan# 3538
Delta R.T. 0.003 min
Lab File: VV029921.D
Acq: 23 Jan 2023 22:54

Tgt Ion: 75 Resp: 8587
Ion Ratio Lower Upper
75 100
155 83.8 75.5 113.3
157 106.4 99.2 148.8





#69

1,3,5-Trichlorobenzene

Concen: 4.602 ug/L

RT: 12.632 min Scan# 3605

Delta R.T. -0.000 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005389

Tgt Ion:180 Resp: 122507

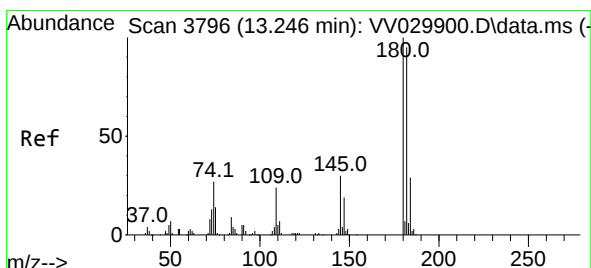
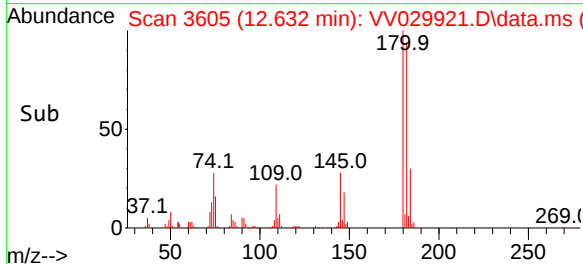
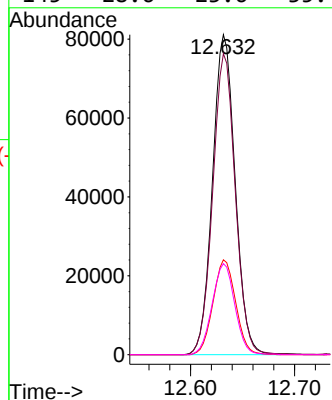
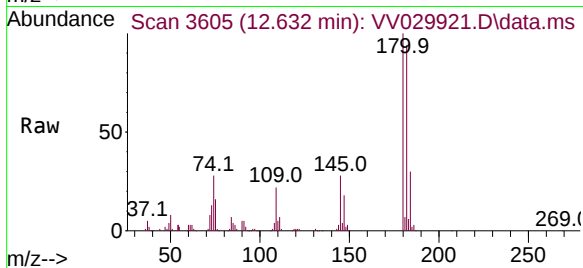
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.2

184 29.7 23.9 35.9

145 28.6 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 4.548 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.003 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

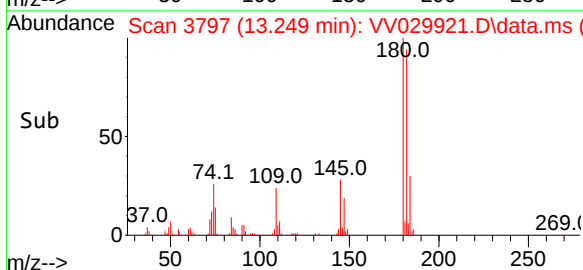
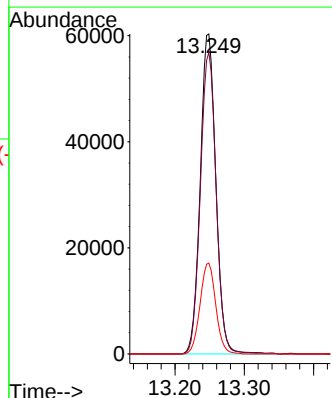
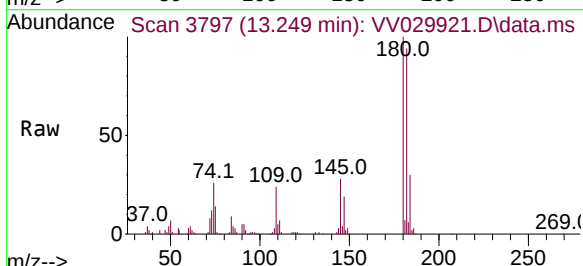
Tgt Ion:180 Resp: 94606

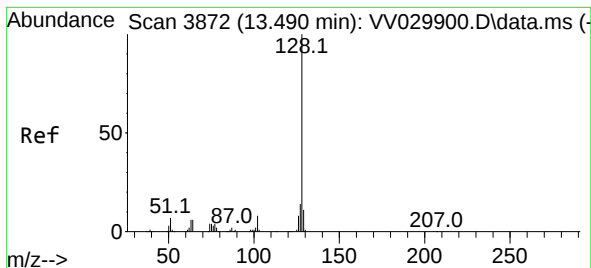
Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.8

145 28.5 23.7 35.5





#71

Naphthalene

Concen: 4.323 ug/L

RT: 13.490 min Scan# 3872

Delta R.T. -0.000 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005389

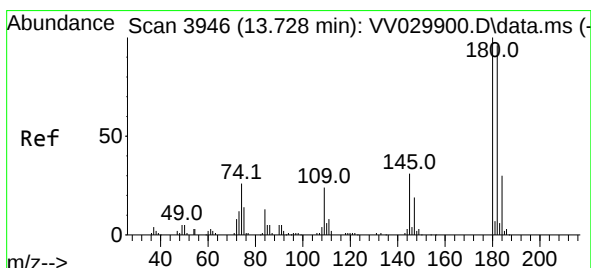
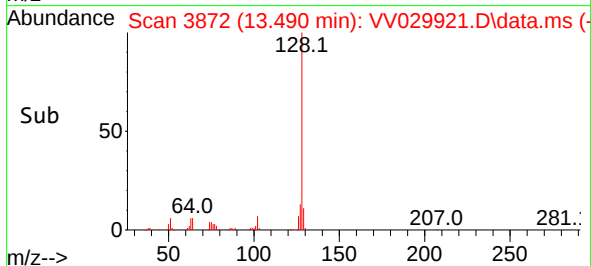
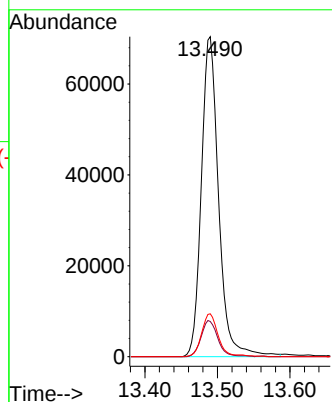
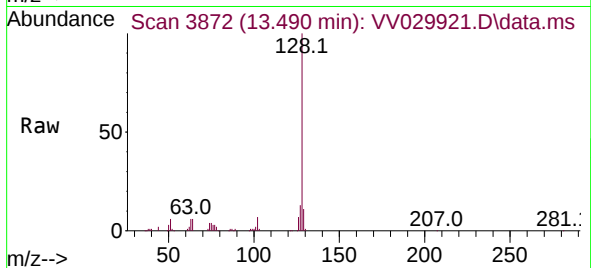
Tgt Ion:128 Resp: 116505

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

127 13.0 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.577 ug/L

RT: 13.728 min Scan# 3946

Delta R.T. -0.000 min

Lab File: VV029921.D

Acq: 23 Jan 2023 22:54

Tgt Ion:180 Resp: 79012

Ion Ratio Lower Upper

180 100

182 95.8 75.5 113.3

145 32.0 25.0 37.6

