

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW020223\
 Data File : VW030014.D
 Acq On : 02 Feb 2023 10:35
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005281

Quant Time: Feb 03 01:09:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011223WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 01 00:13:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	251575	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	233283	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.233	152	129112	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	89826	4.707	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	94.200%	
7) Chloroethane-d5	1.565	69	81234	5.136	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	102.800%	
11) 1,1-Dichloroethene-d2	2.105	63	168104	4.833	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	96.600%	
20) 2-Butanone-d5	3.886	46	173299	51.240	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	102.480%	
24) Chloroform-d	4.333	84	160992	4.599	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.000%	
26) 1,2-Dichloroethane-d4	5.021	65	67840	4.576	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	91.600%	
32) Benzene-d6	5.037	84	337614	4.879	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.600%	
36) 1,2-Dichloropropane-d6	6.056	67	104706	5.170	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.400%	
41) Toluene-d8	7.304	98	303923	4.744	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	94.800%	
43) trans-1,3-Dichloroprop...	7.609	79	34245	4.630	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.600%	
46) 2-Hexanone-d5	8.082	63	152613	50.682	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	101.360%	
56) 1,1,2,2-Tetrachloroeth...	10.204	84	71277	4.803	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.000%	
66) 1,2-Dichlorobenzene-d4	11.609	152	105803	4.507	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	98626	4.212	ug/L	99
3) Chloromethane	1.237	50	133941	5.436	ug/L	100
5) Vinyl chloride	1.307	62	126881	5.251	ug/L	99
6) Bromomethane	1.520	94	38476	3.271	ug/L	99
8) Chloroethane	1.581	64	80703	5.505	ug/L	99
9) Trichlorofluoromethane	1.748	101	145861	4.608	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	90990	4.880	ug/L	95
12) 1,1-Dichloroethene	2.114	96	90116	4.195	ug/L	92
13) Acetone	2.182	43	130579	54.094	ug/L	100
14) Carbon disulfide	2.288	76	264664	4.279	ug/L	100
15) Methyl Acetate	2.433	43	30507	4.853	ug/L	93
16) Methylene chloride	2.500	84	115164	4.316	ug/L	91
17) Methyl tert-butyl Ether	2.761	73	183393	4.937	ug/L	98
18) trans-1,2-Dichloroethene	2.751	96	92619	4.638	ug/L	93
19) 1,1-Dichloroethane	3.179	63	177775	5.322	ug/L	98
21) 2-Butanone	3.970	43	188031	54.373	ug/L	100
22) cis-1,2-Dichloroethene	3.899	96	102100	4.798	ug/L	92
23) Bromochloromethane	4.233	128	41182	4.687	ug/L	84
25) Chloroform	4.359	83	172492	4.750	ug/L	98

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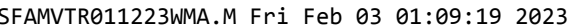
Instrument :
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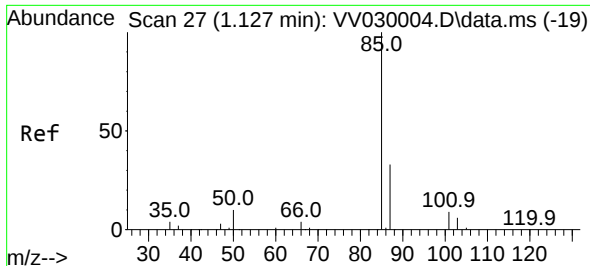
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 01 00:13:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	86577	4.907	ug/L	99
29) 1,1,1-Trichloroethane	4.593	97	144002	4.754	ug/L	97
30) Cyclohexane	4.664	56	149453	5.212	ug/L	96
31) Carbon tetrachloride	4.815	117	120635	4.577	ug/L	99
33) Benzene	5.085	78	401000	5.199	ug/L	100
34) Trichloroethene	5.902	95	94599	4.840	ug/L	96
35) Methylcyclohexane	6.117	83	159230	4.825	ug/L	96
37) 1,2-Dichloropropane	6.159	63	99106	5.487	ug/L	99
38) Bromodichloromethane	6.497	83	116050	4.968	ug/L	97
39) cis-1,3-Dichloropropene	7.014	75	133386	5.507	ug/L	99
40) 4-Methyl-2-pentanone	7.217	43	445842	57.840	ug/L	96
42) Toluene	7.375	91	419235	5.040	ug/L	100
44) trans-1,3-Dichloropropene	7.638	75	107141	5.489	ug/L	99
45) 1,1,2-Trichloroethane	7.825	97	63968	4.915	ug/L	98
47) Tetrachloroethene	7.963	164	77619	4.717	ug/L	97
48) 2-Hexanone	8.130	43	331888	60.239	ug/L	97
49) Dibromochloromethane	8.233	129	73210	4.794	ug/L	99
50) 1,2-Dibromoethane	8.339	107	55182	4.885	ug/L	98
51) Chlorobenzene	8.870	112	260687	4.935	ug/L	99
52) Ethylbenzene	8.998	91	424651	4.878	ug/L	99
53) m,p-Xylene	9.127	106	166458	4.830	ug/L	97
54) o-Xylene	9.529	106	158331	4.841	ug/L	99
55) Styrene	9.548	104	278465	4.951	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.227	83	76008	5.258	ug/L	96
59) Bromoform	9.719	173	38269	4.576	ug/L	98
60) Isopropylbenzene	9.918	105	422853	5.124	ug/L	99
61) 1,2,3-Trichloropropane	10.259	75	51439	5.381	ug/L	96
62) 1,3,5-Trimethylbenzene	10.526	105	343691	4.860	ug/L	99
63) 1,2,4-Trimethylbenzene	10.902	105	351239	4.980	ug/L	100
64) 1,3-Dichlorobenzene	11.169	146	208912	4.985	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	208680	4.995	ug/L	98
67) 1,2-Dichlorobenzene	11.628	146	189538	5.031	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	11047	4.886	ug/L	92
69) 1,3,5-Trichlorobenzene	12.628	180	168100	4.983	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	136552	5.180	ug/L	99
71) Naphthalene	13.487	128	184185	5.393	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	114149	5.218	ug/L	100

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

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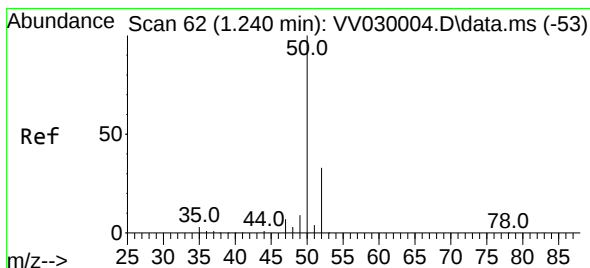
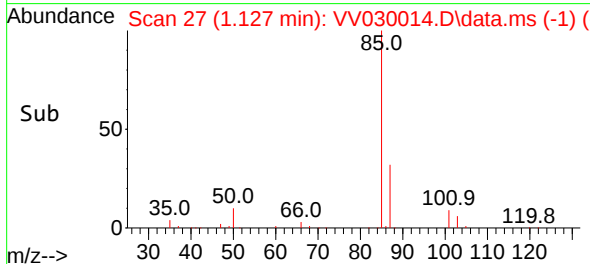
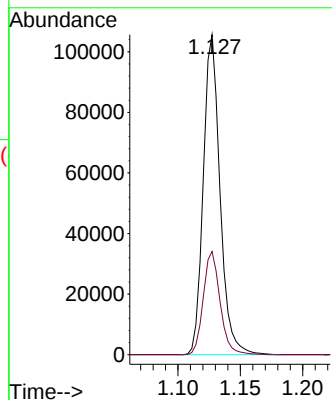
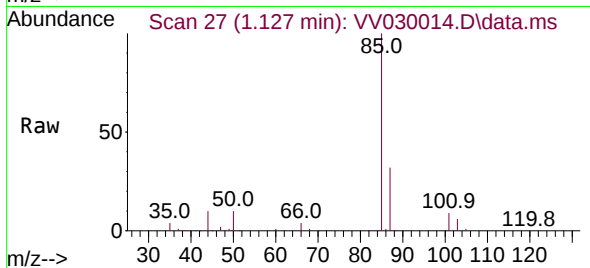




#2
 Dichlorodifluoromethane
 Concen: 4.212 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

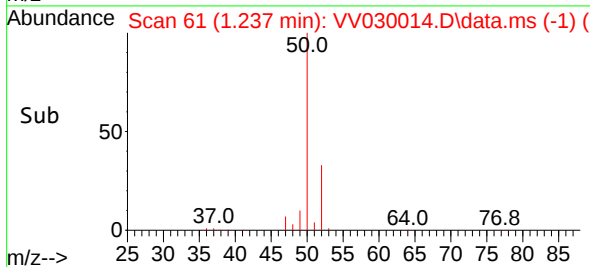
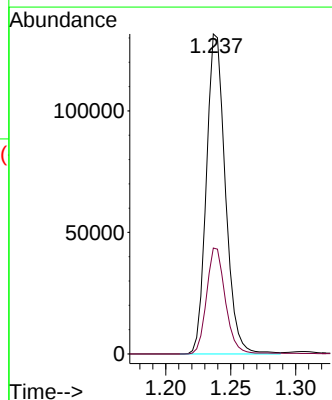
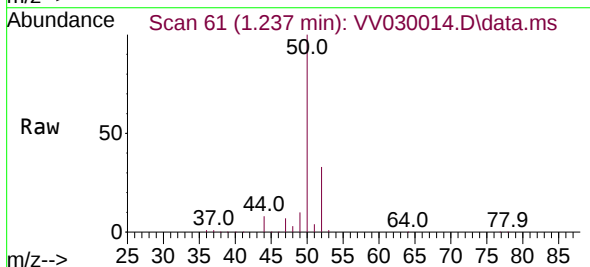
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005281

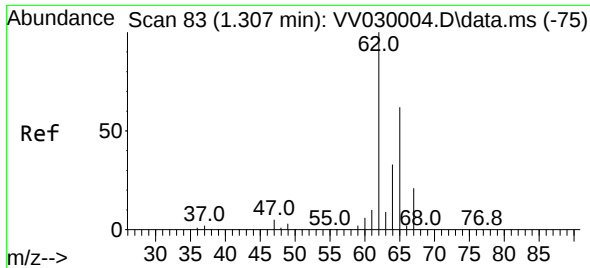
Tgt Ion: 85 Resp: 98626
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.5 39.7



#3
 Chloromethane
 Concen: 5.436 ug/L
 RT: 1.237 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

Tgt Ion: 50 Resp: 133941
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.1 42.9

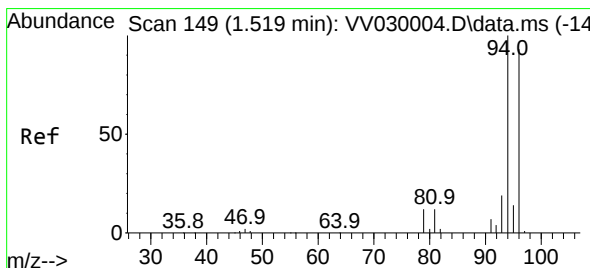
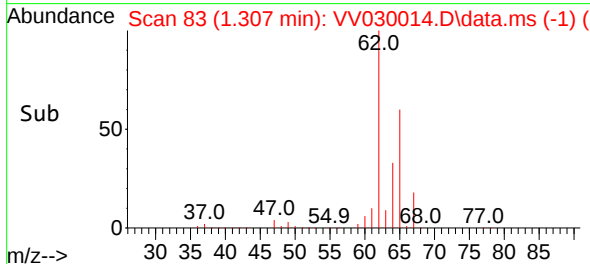
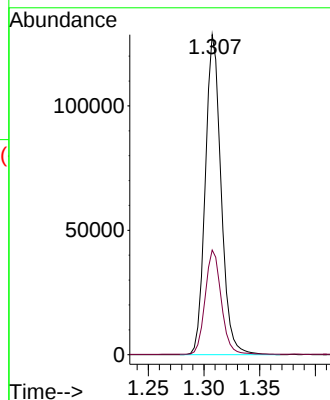
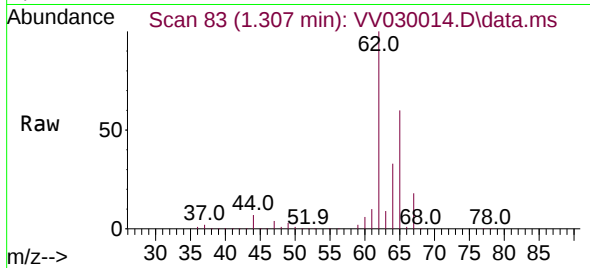




#5
 Vinyl chloride
 Concen: 5.251 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

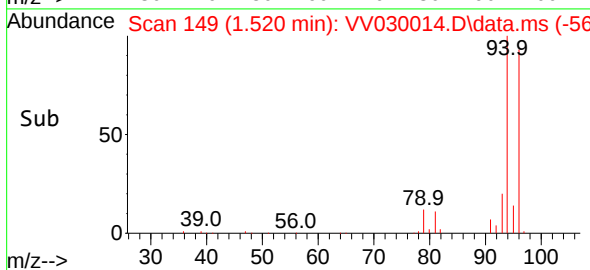
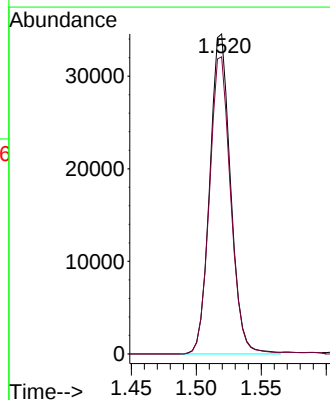
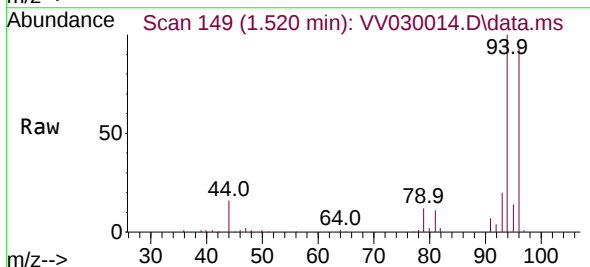
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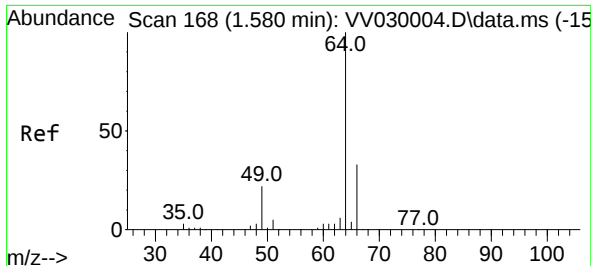
Tgt Ion: 62 Resp: 126881
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.2



#6
 Bromomethane
 Concen: 3.271 ug/L
 RT: 1.520 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

Tgt Ion: 94 Resp: 38476
 Ion Ratio Lower Upper
 94 100
 96 92.9 65.9 122.5

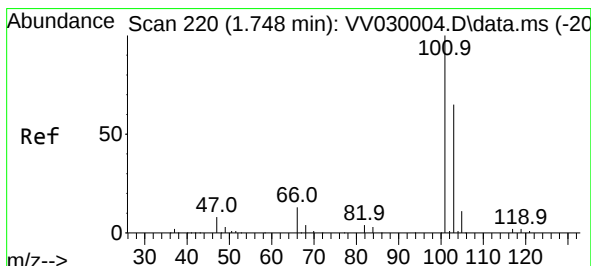
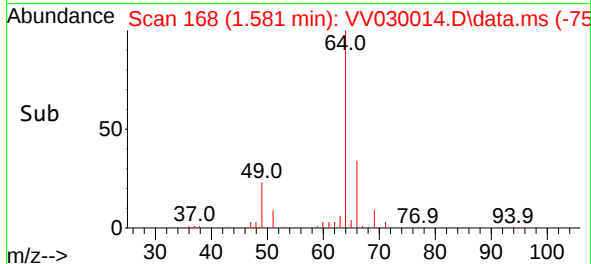
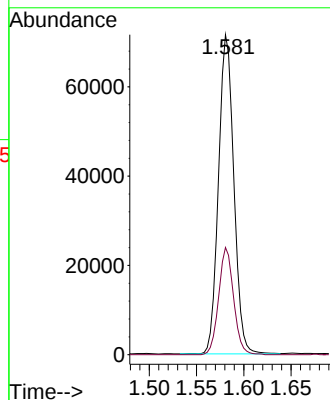
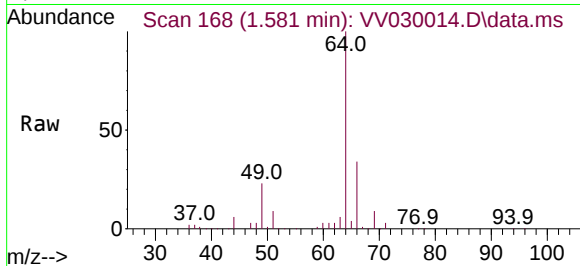




#8
Chloroethane
Concen: 5.505 ug/L
RT: 1.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

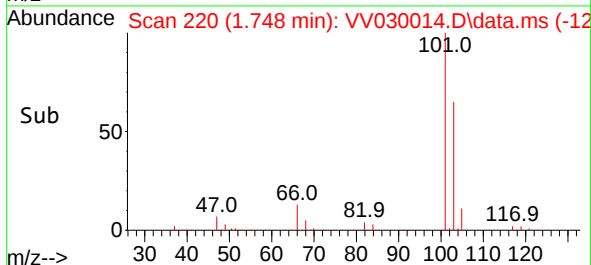
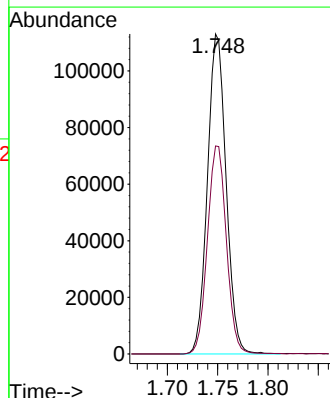
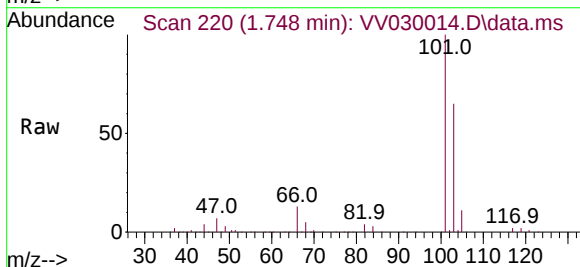
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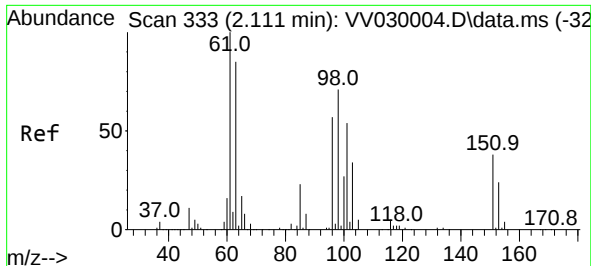
Tgt Ion: 64 Resp: 80703
Ion Ratio Lower Upper
64 100
66 33.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 4.608 ug/L
RT: 1.748 min Scan# 220
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion: 101 Resp: 145861
Ion Ratio Lower Upper
101 100
103 66.0 51.8 77.8

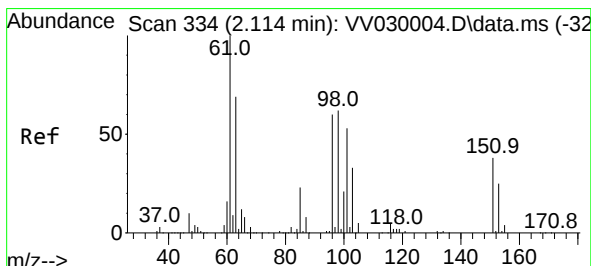
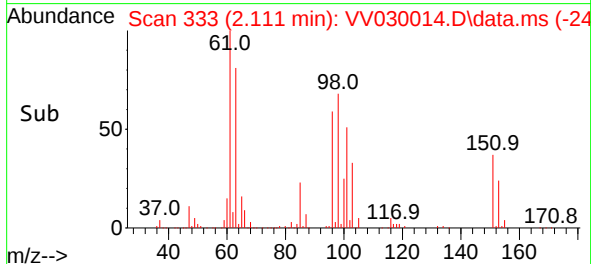
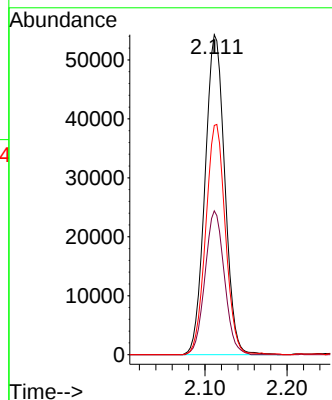
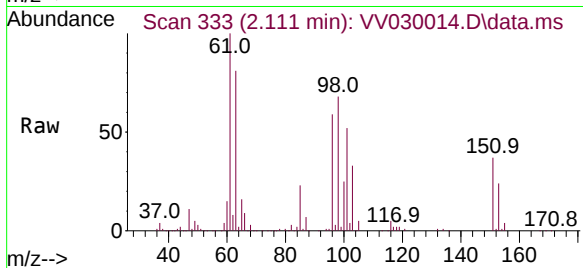




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.880 ug/L
 RT: 2.111 min Scan# 333
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

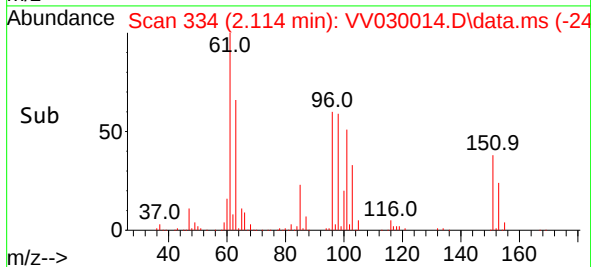
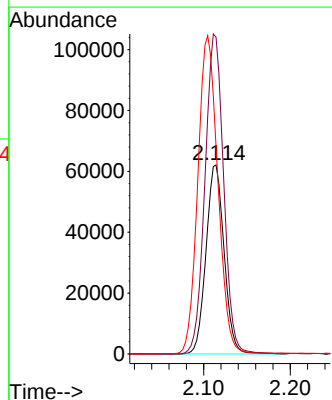
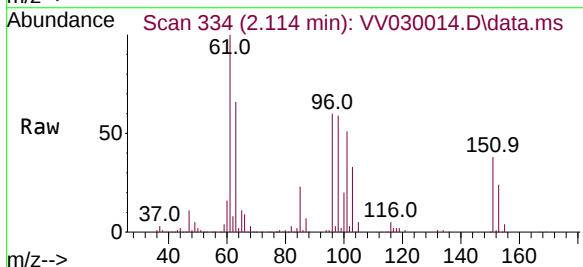
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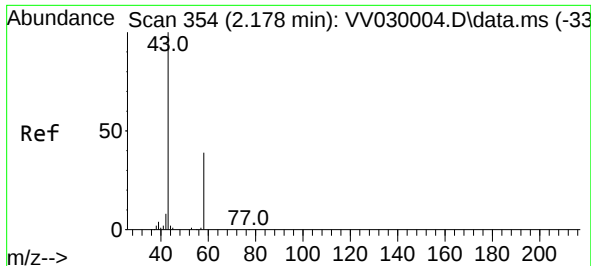
Tgt Ion:101 Resp: 90990
 Ion Ratio Lower Upper
 101 100
 85 44.0 32.9 49.3
 151 71.6 60.9 91.3



#12
 1,1-Dichloroethene
 Concen: 4.195 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

Tgt Ion: 96 Resp: 90116
 Ion Ratio Lower Upper
 96 100
 61 167.6 106.1 197.1
 63 109.8 76.4 141.8





#13

Acetone

Concen: 54.094 ug/L

RT: 2.182 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

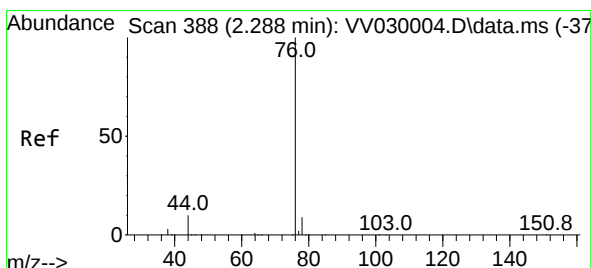
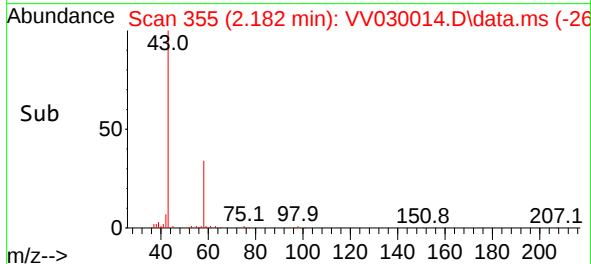
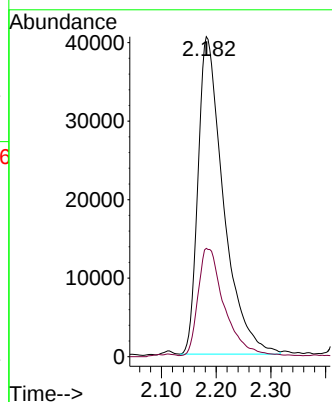
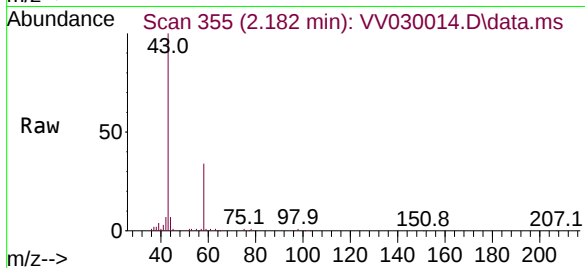
VSTD005281

Tgt Ion: 43 Resp: 130579

Ion Ratio Lower Upper

43 100

58 34.5 0.0 68.8



#14

Carbon disulfide

Concen: 4.279 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.000 min

Lab File: VV030014.D

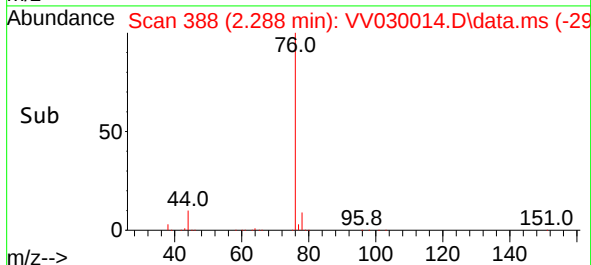
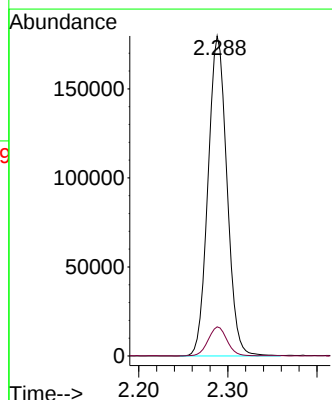
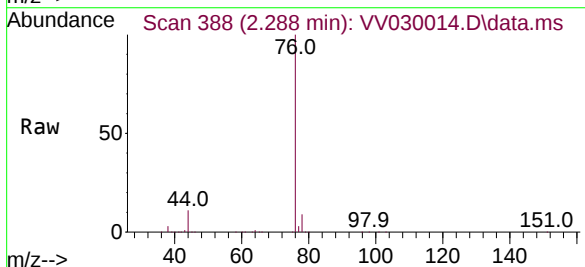
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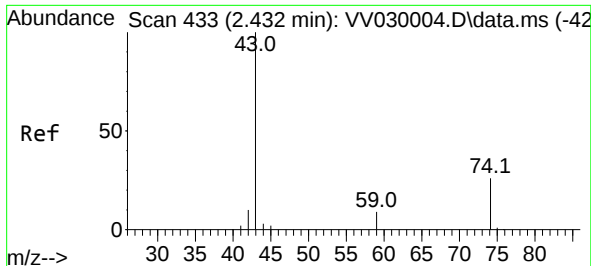
Tgt Ion: 76 Resp: 264664

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

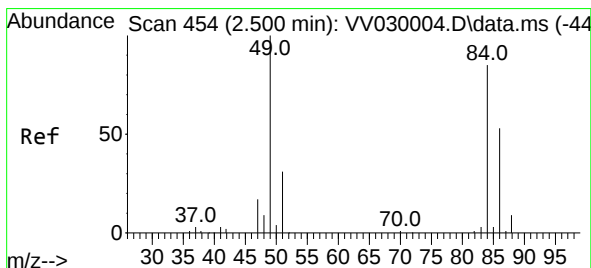
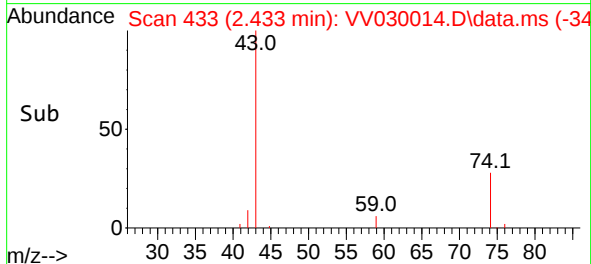
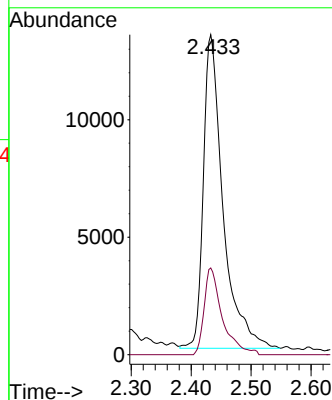
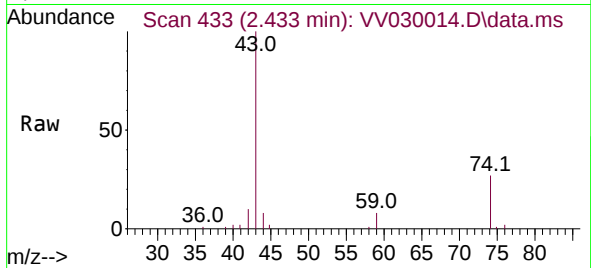




#15
Methyl Acetate
Concen: 4.853 ug/L
RT: 2.433 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

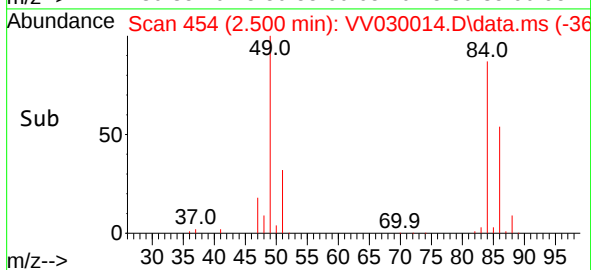
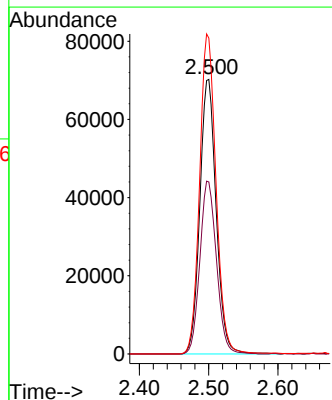
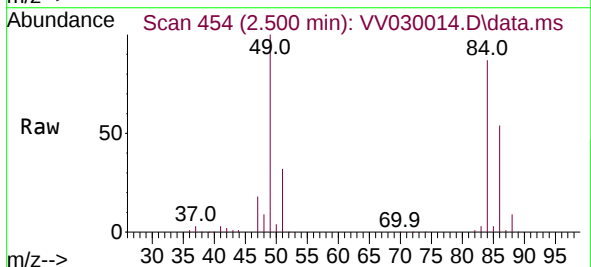
Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

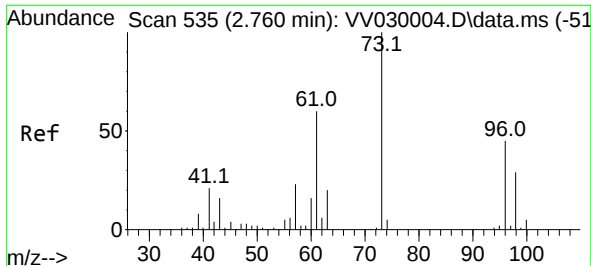
Tgt Ion: 43 Resp: 30507
Ion Ratio Lower Upper
43 100
74 25.5 23.4 35.0



#16
Methylene chloride
Concen: 4.316 ug/L
RT: 2.500 min Scan# 454
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion: 84 Resp: 115164
Ion Ratio Lower Upper
84 100
86 62.6 45.0 83.6
49 115.0 71.5 132.7





#17

Methyl tert-butyl Ether

Concen: 4.937 ug/L

RT: 2.761 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD005281

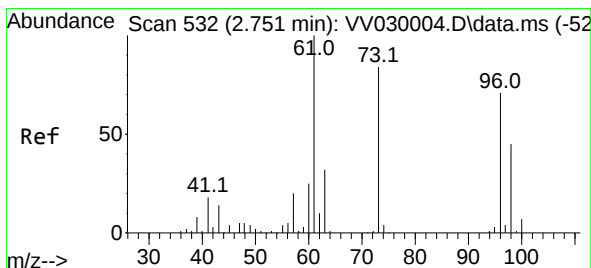
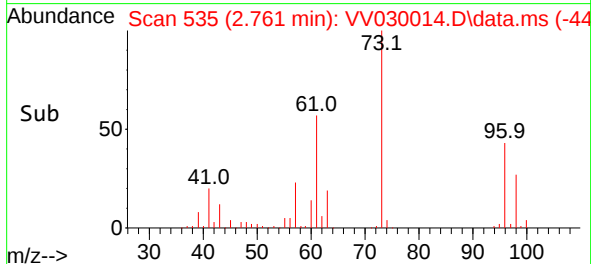
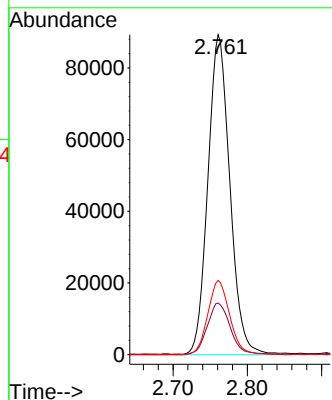
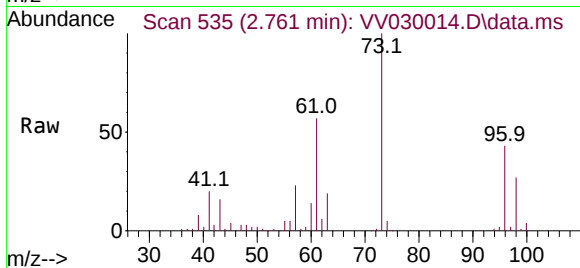
Tgt Ion: 73 Resp: 183393

Ion Ratio Lower Upper

73 100

43 16.4 13.0 19.4

57 23.1 17.1 25.7



#18

trans-1,2-Dichloroethene

Concen: 4.638 ug/L

RT: 2.751 min Scan# 532

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

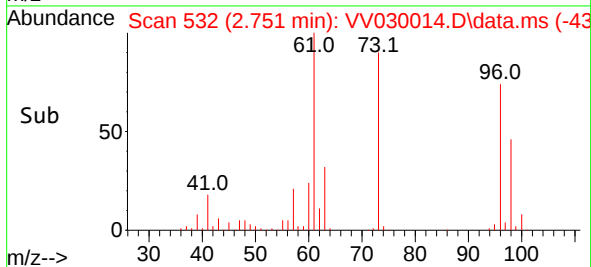
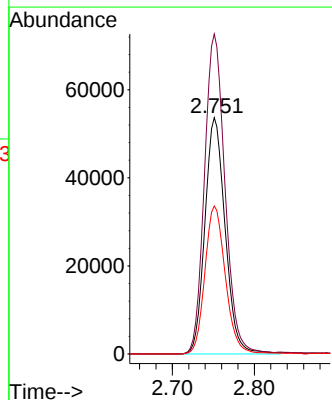
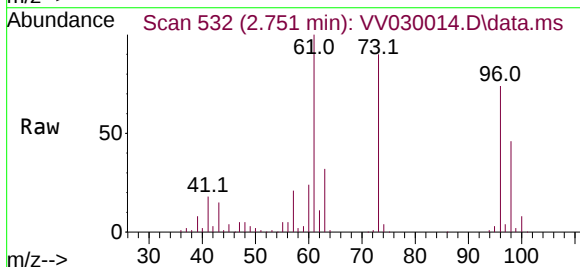
Tgt Ion: 96 Resp: 92619

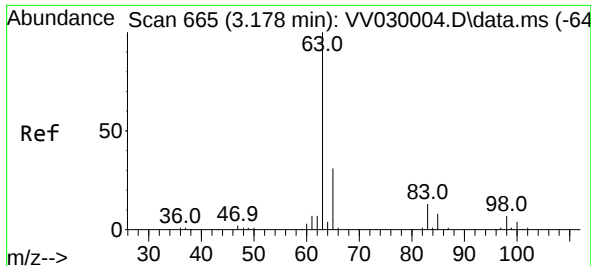
Ion Ratio Lower Upper

96 100

61 135.4 86.1 159.9

98 62.6 43.9 81.5





#19

1,1-Dichloroethane

Concen: 5.322 ug/L

RT: 3.179 min Scan# 665

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD005281

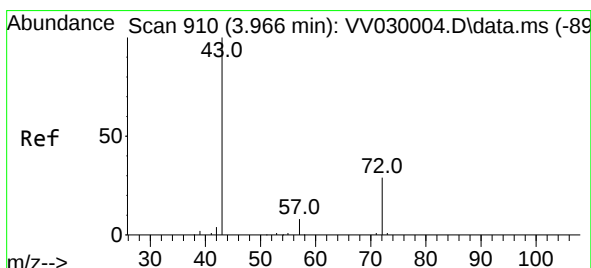
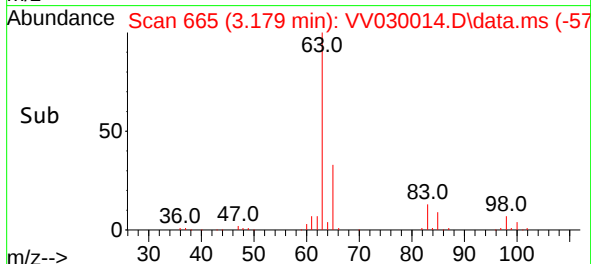
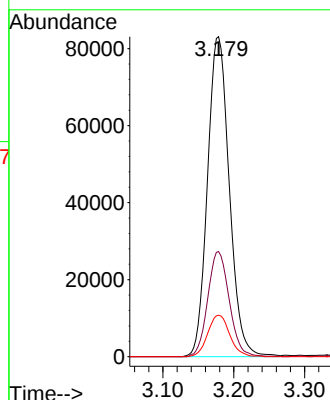
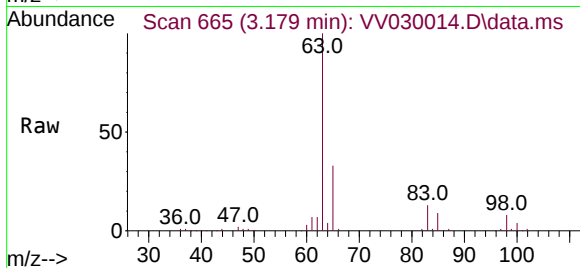
Tgt Ion: 63 Resp: 177775

Ion Ratio Lower Upper

63 100

65 32.8 22.4 41.6

83 13.0 10.2 19.0



#21

2-Butanone

Concen: 54.373 ug/L

RT: 3.970 min Scan# 911

Delta R.T. 0.003 min

Lab File: VV030014.D

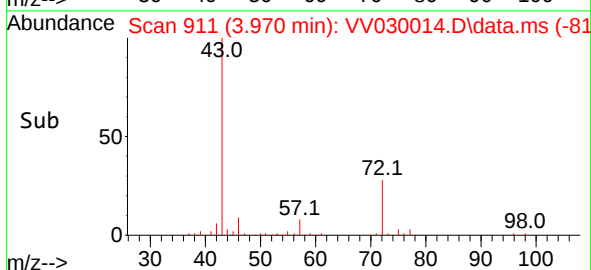
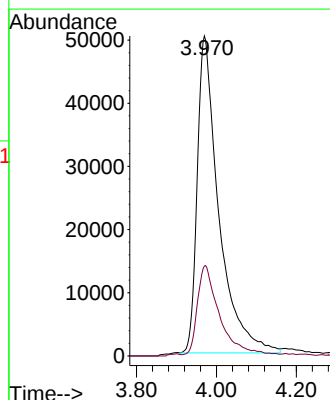
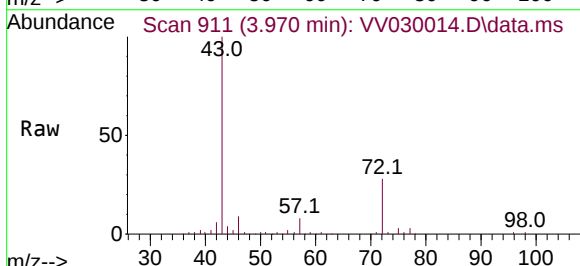
Acq: 02 Feb 2023 10:35

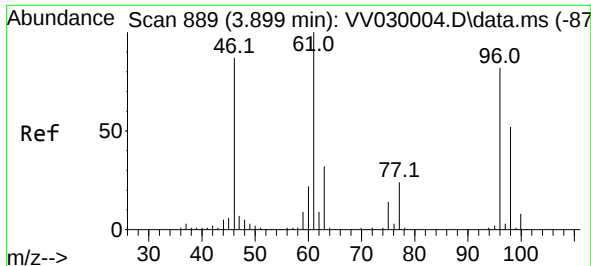
Tgt Ion: 43 Resp: 188031

Ion Ratio Lower Upper

43 100

72 27.8 13.9 41.6

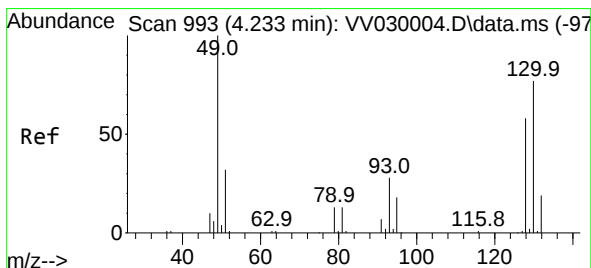
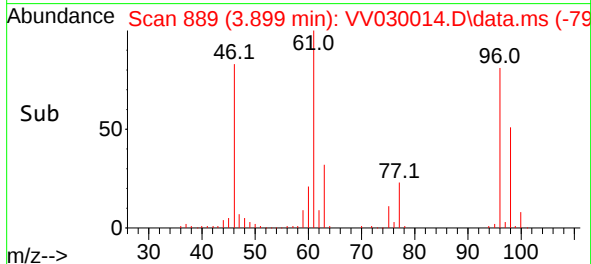
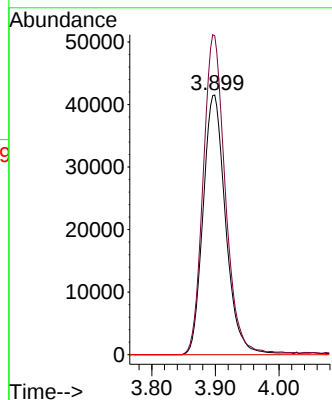
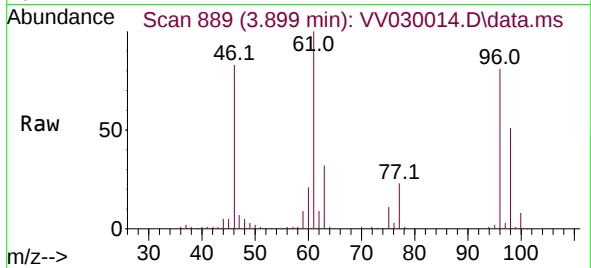




#22
 cis-1,2-Dichloroethene
 Concen: 4.798 ug/L
 RT: 3.899 min Scan# 889
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

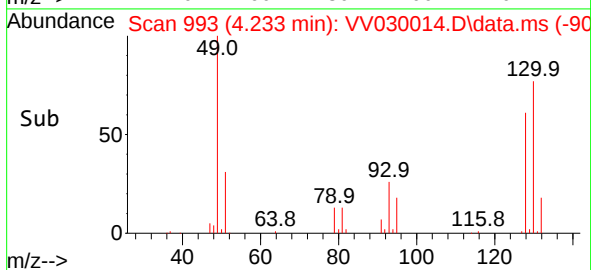
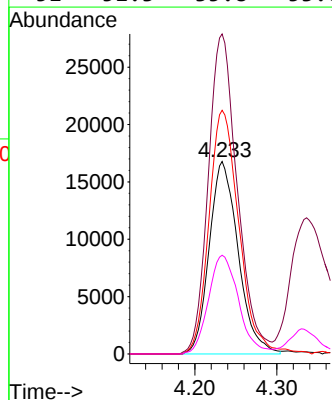
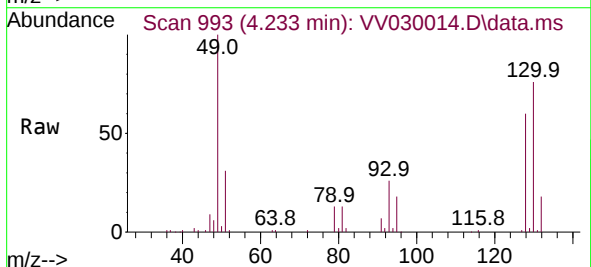
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005281

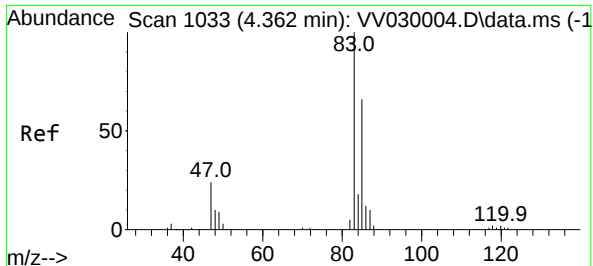
Tgt Ion: 96 Resp: 102100
 Ion Ratio Lower Upper
 96 100
 61 122.9 80.0 148.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.687 ug/L
 RT: 4.233 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

Tgt Ion: 128 Resp: 41182
 Ion Ratio Lower Upper
 128 100
 49 166.3 91.2 169.4
 130 126.6 87.0 161.6
 51 51.3 35.8 53.6





#25

Chloroform

Concen: 4.750 ug/L

RT: 4.359 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

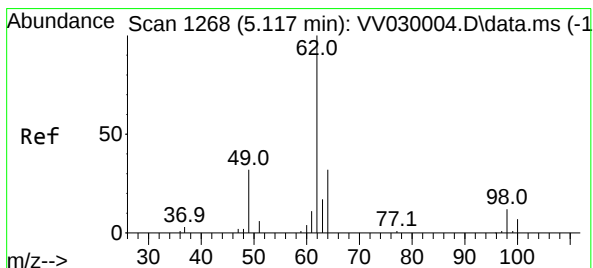
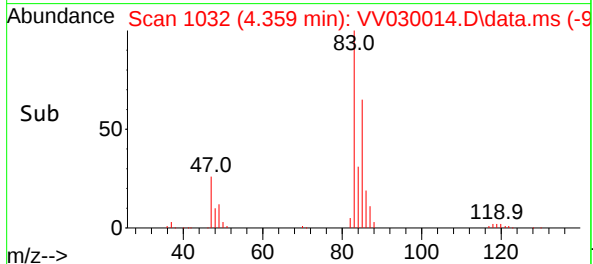
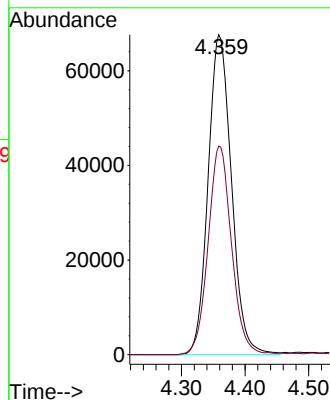
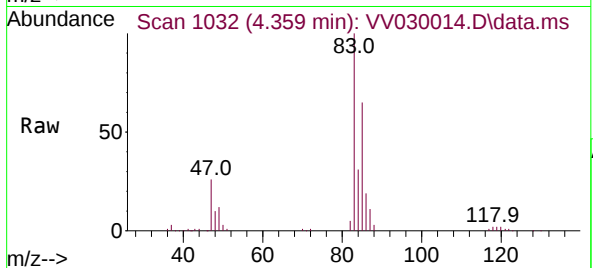
VSTD005281

Tgt Ion: 83 Resp: 172492

Ion Ratio Lower Upper

83 100

85 65.2 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.907 ug/L

RT: 5.117 min Scan# 1268

Delta R.T. 0.000 min

Lab File: VV030014.D

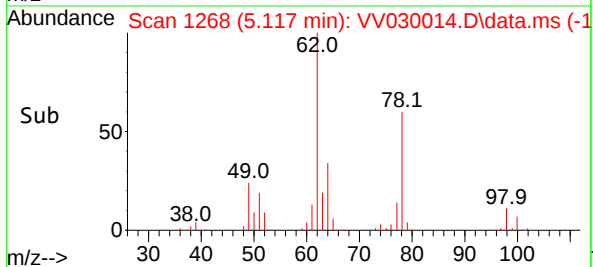
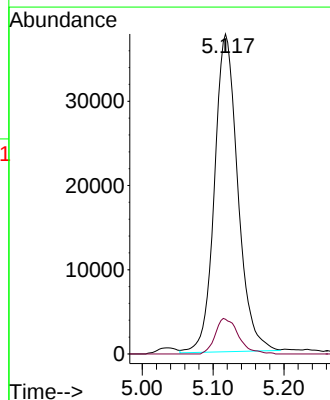
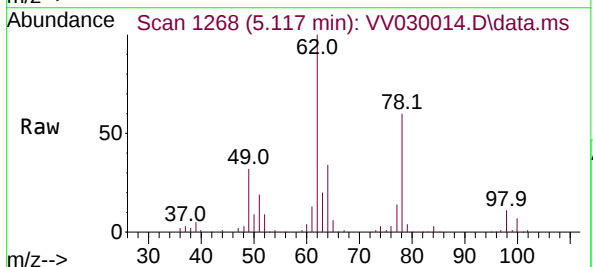
Acq: 02 Feb 2023 10:35

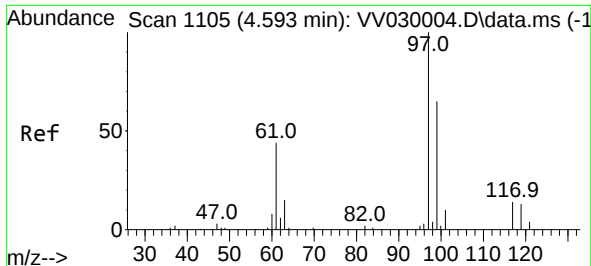
Tgt Ion: 62 Resp: 86577

Ion Ratio Lower Upper

62 100

98 10.9 8.9 13.3





#29

1,1,1-Trichloroethane

Concen: 4.754 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD005281

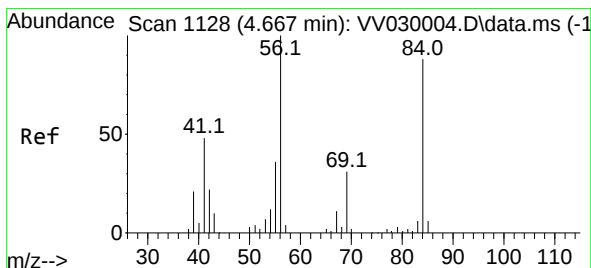
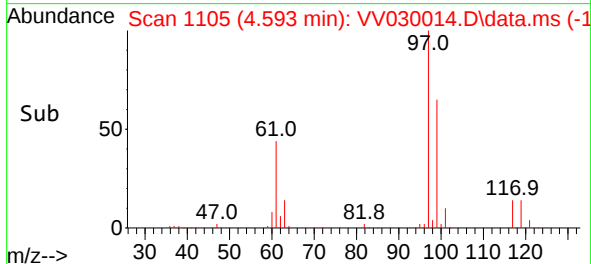
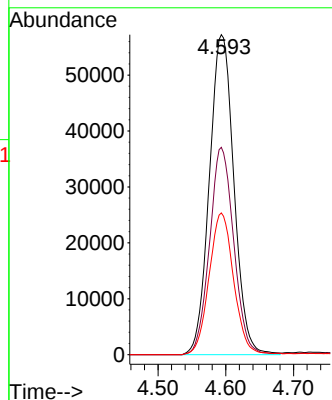
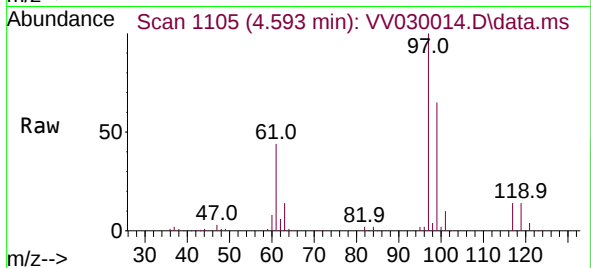
Tgt Ion: 97 Resp: 144002

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 44.3 31.6 47.4



#30

Cyclohexane

Concen: 5.212 ug/L

RT: 4.664 min Scan# 1127

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

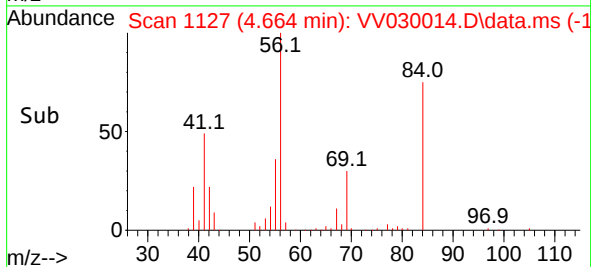
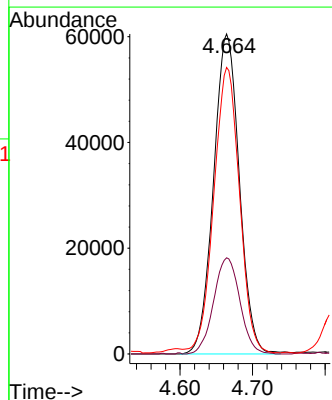
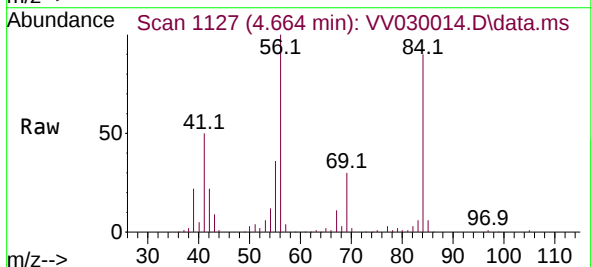
Tgt Ion: 56 Resp: 149453

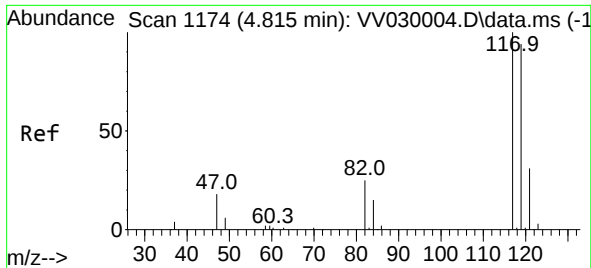
Ion Ratio Lower Upper

56 100

69 30.6 26.7 40.1

84 88.7 73.8 110.8

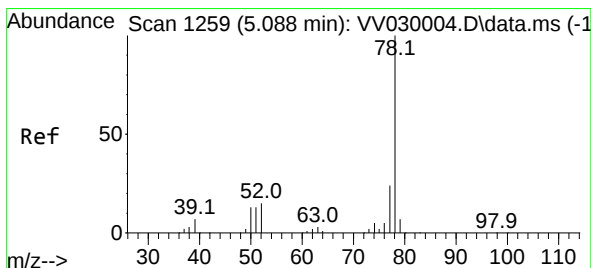
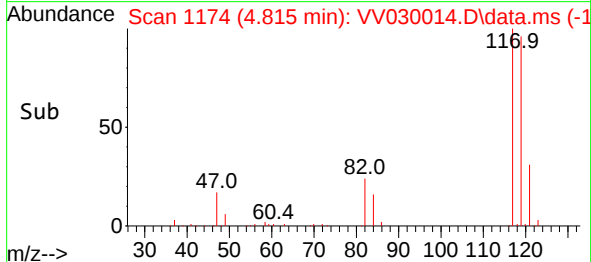
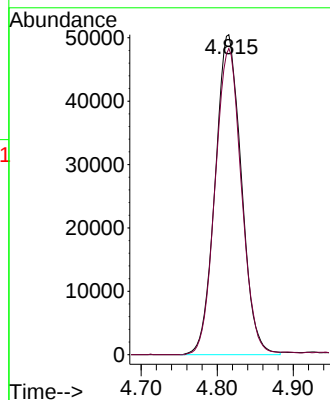
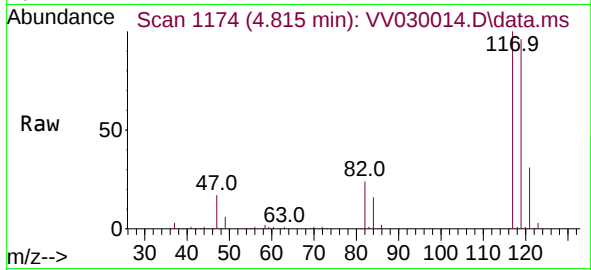




#31
Carbon tetrachloride
Concen: 4.577 ug/L
RT: 4.815 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

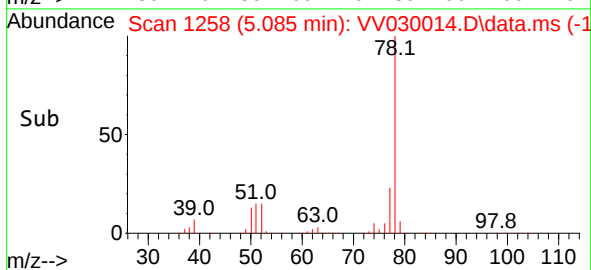
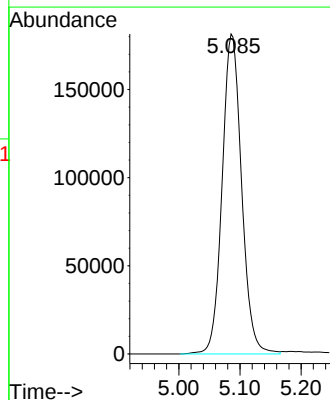
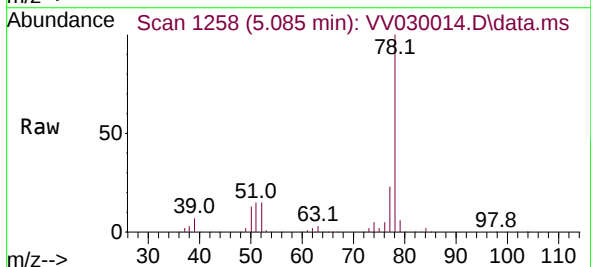
Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

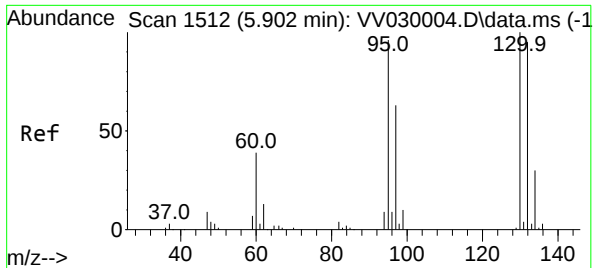
Tgt Ion:117 Resp: 120635
Ion Ratio Lower Upper
117 100
119 96.2 76.6 114.8



#33
Benzene
Concen: 5.199 ug/L
RT: 5.085 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion: 78 Resp: 401000



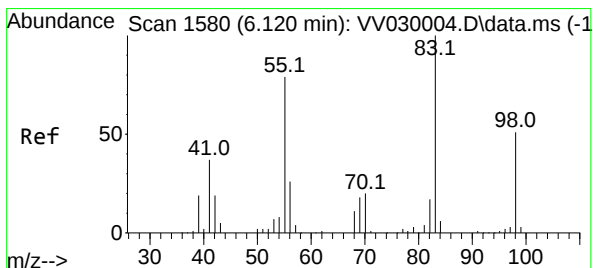
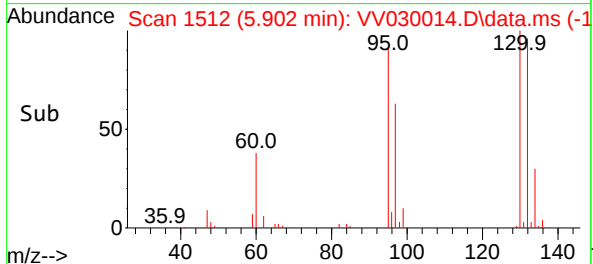
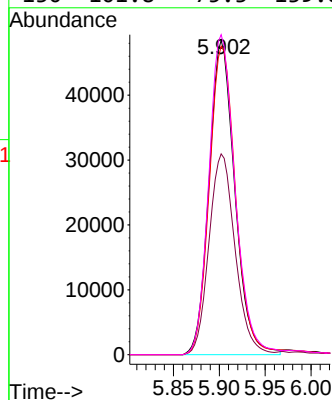
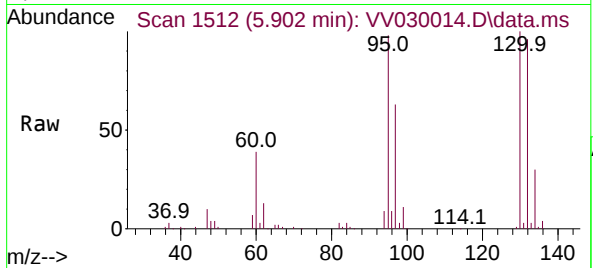


#34
Trichloroethene
Concen: 4.840 ug/L
RT: 5.902 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

Tgt Ion: 95 Resp: 94599

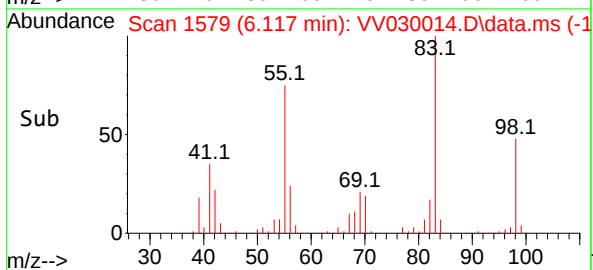
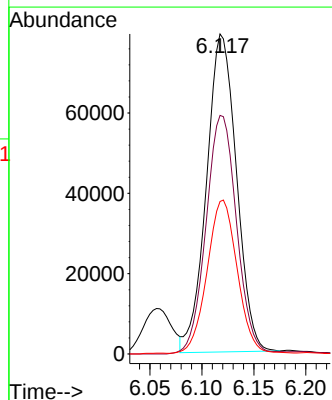
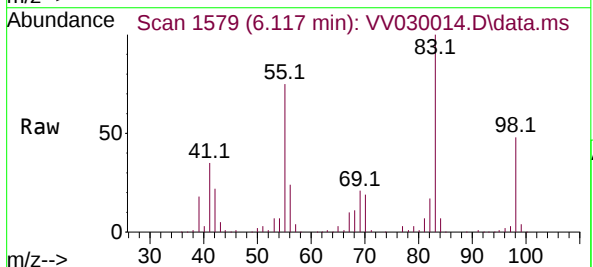
Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.9	83.3
132	98.2	71.8	133.4
130	101.8	75.3	139.8

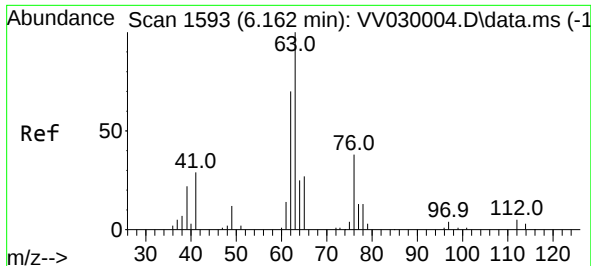


#35
Methylcyclohexane
Concen: 4.825 ug/L
RT: 6.117 min Scan# 1579
Delta R.T. -0.003 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion: 83 Resp: 159230

Ion	Ratio	Lower	Upper
83	100		
55	76.7	57.3	85.9
98	48.2	39.0	58.6





#37

1,2-Dichloropropane

Concen: 5.487 ug/L

RT: 6.159 min Scan# 1592

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

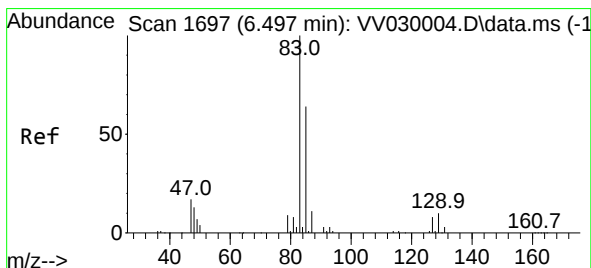
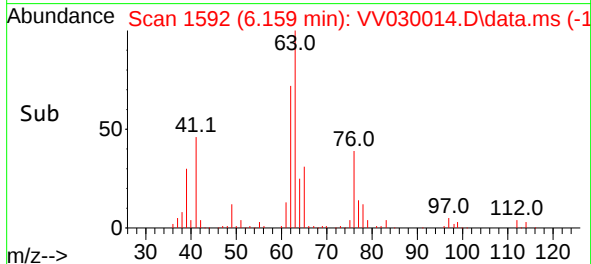
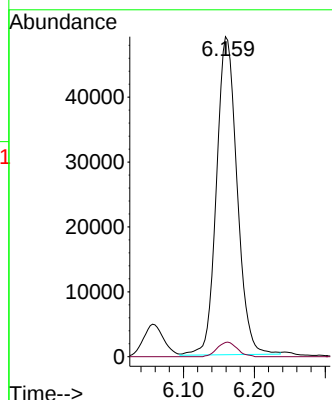
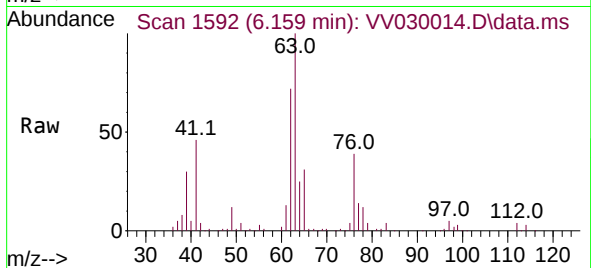
VSTD005281

Tgt Ion: 63 Resp: 99106

Ion Ratio Lower Upper

63 100

112 4.4 3.9 5.9



#38

Bromodichloromethane

Concen: 4.968 ug/L

RT: 6.497 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

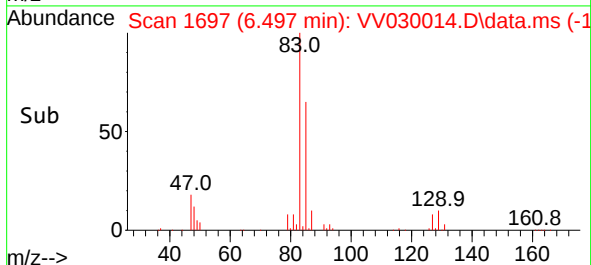
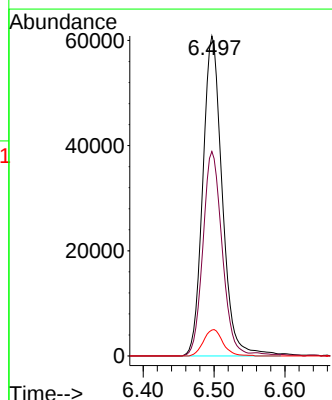
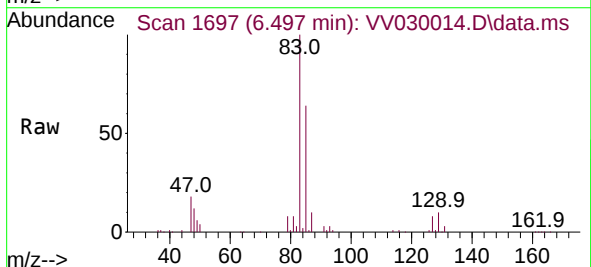
Tgt Ion: 83 Resp: 116050

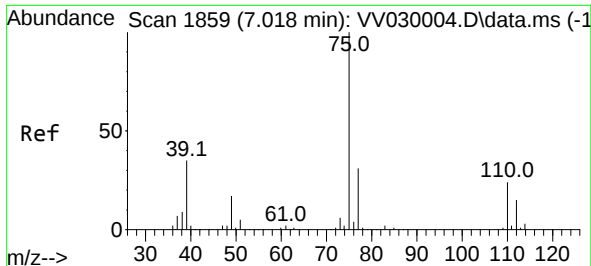
Ion Ratio Lower Upper

83 100

85 63.9 43.2 80.2

127 8.1 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 5.507 ug/L

RT: 7.014 min Scan# 1858

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

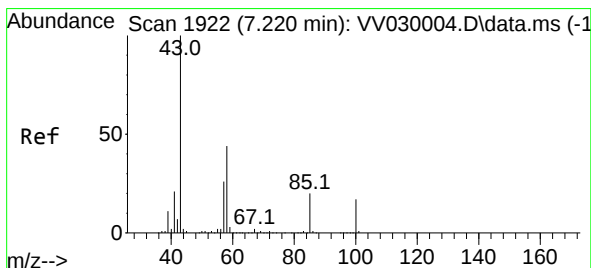
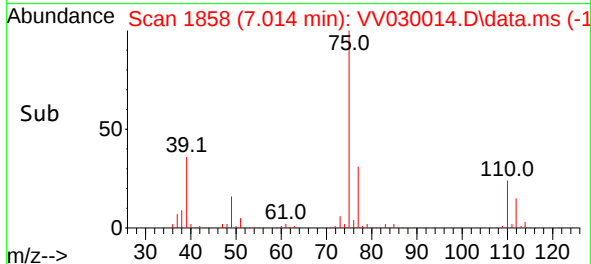
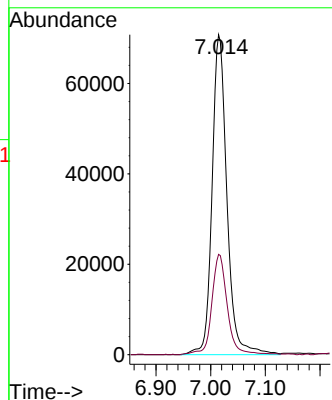
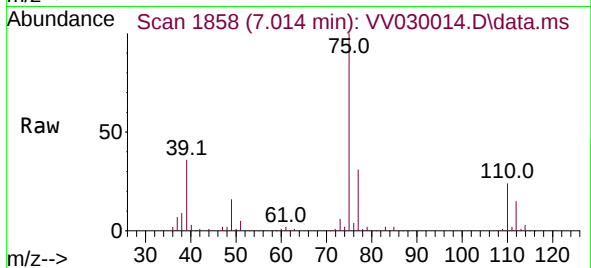
VSTD005281

Tgt Ion: 75 Resp: 133386

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 57.840 ug/L

RT: 7.217 min Scan# 1921

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

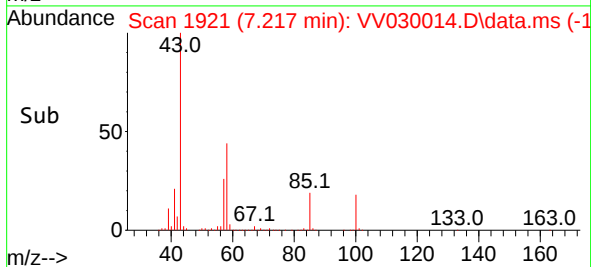
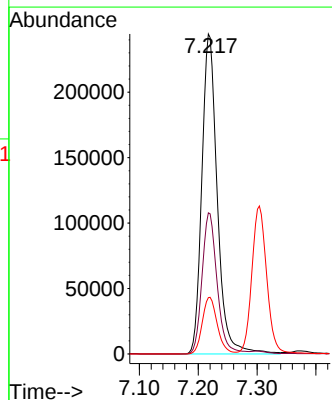
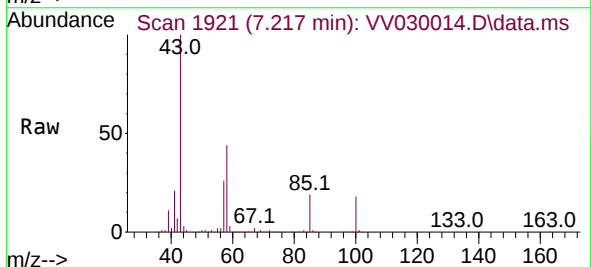
Tgt Ion: 43 Resp: 445842

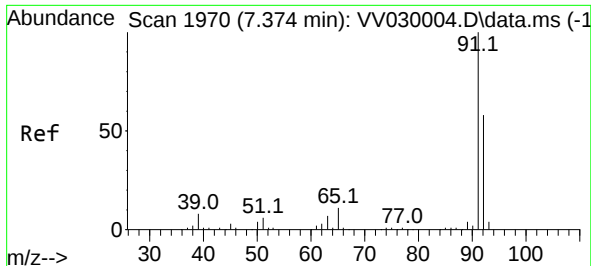
Ion Ratio Lower Upper

43 100

58 43.1 36.7 55.1

100 17.3 15.6 23.4





#42

Toluene

Concen: 5.040 ug/L

RT: 7.375 min Scan# 1970

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

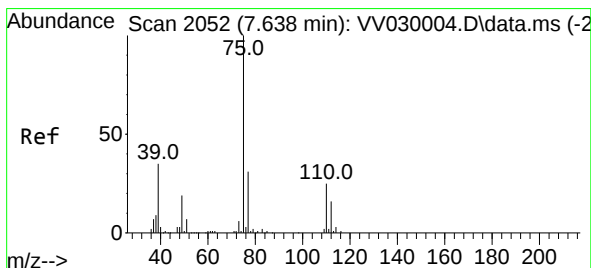
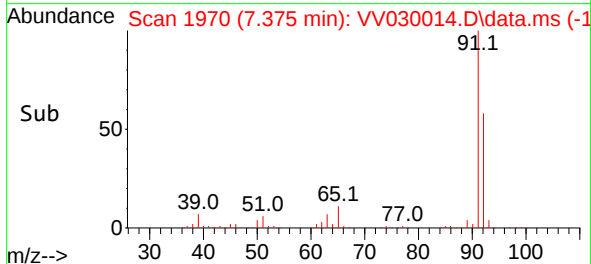
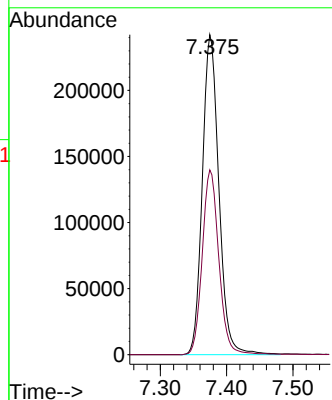
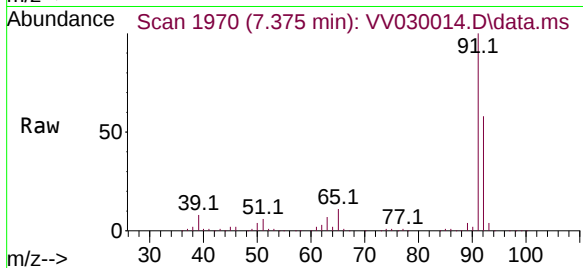
VSTD005281

Tgt Ion: 91 Resp: 419235

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.489 ug/L

RT: 7.638 min Scan# 2052

Delta R.T. 0.000 min

Lab File: VV030014.D

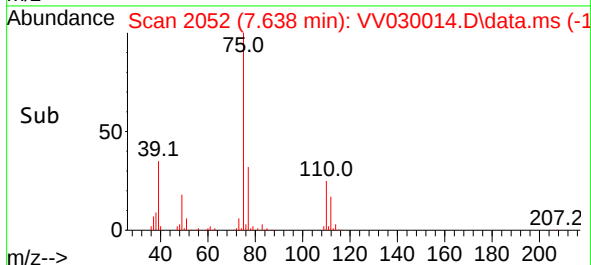
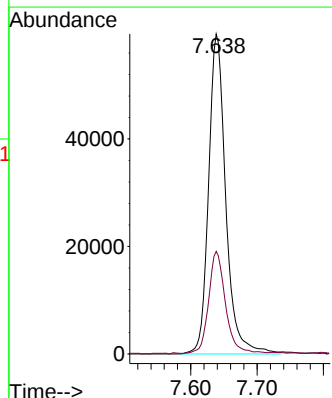
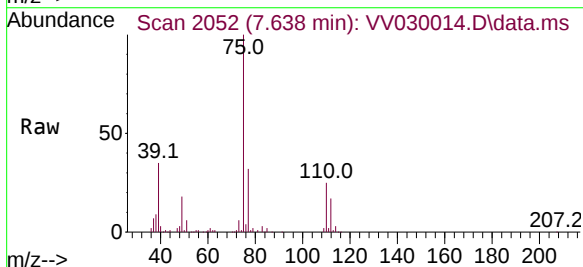
Acq: 02 Feb 2023 10:35

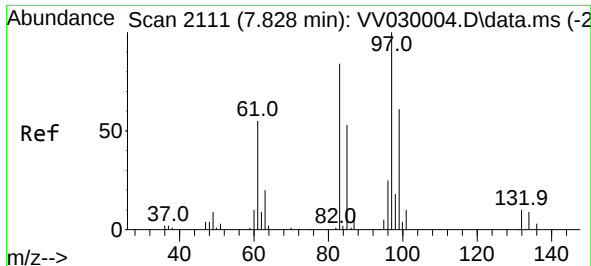
Tgt Ion: 75 Resp: 107141

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 4.915 ug/L

RT: 7.825 min Scan# 2111

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD005281

Tgt Ion: 97 Resp: 63968

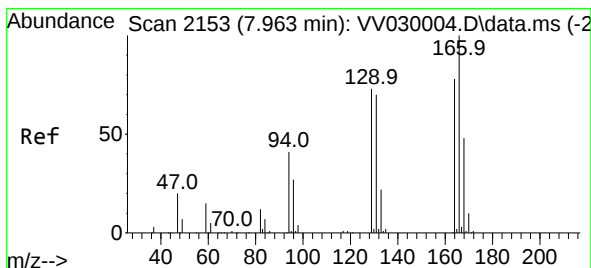
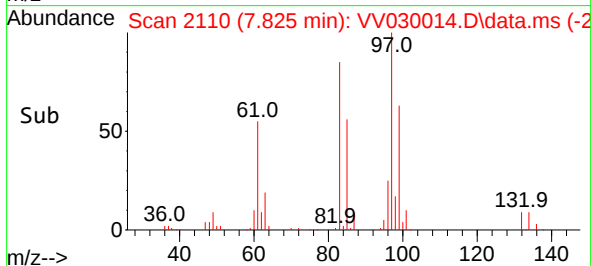
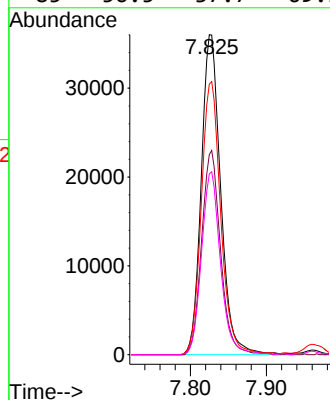
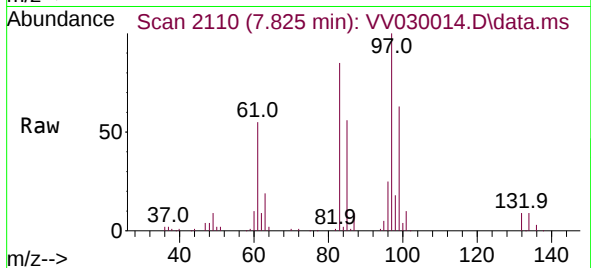
Ion Ratio Lower Upper

97 100

99 62.5 41.9 77.7

83 84.6 58.7 109.1

85 56.5 37.7 69.9



#47

Tetrachloroethene

Concen: 4.717 ug/L

RT: 7.963 min Scan# 2153

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Tgt Ion: 164 Resp: 77619

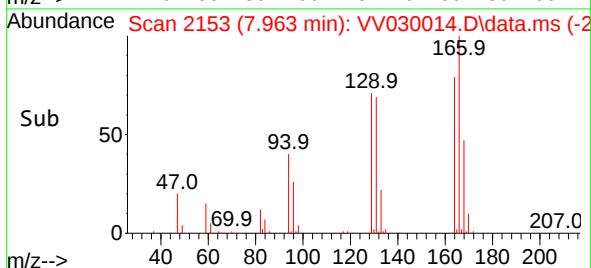
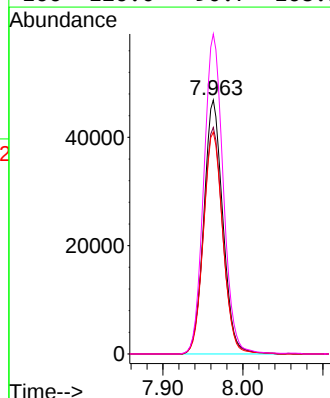
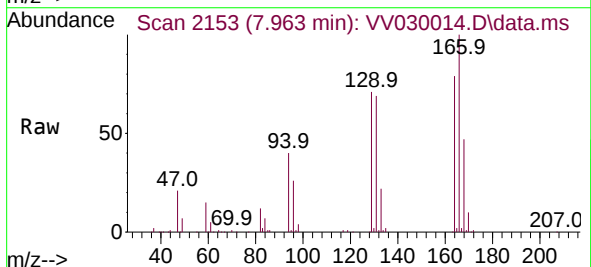
Ion Ratio Lower Upper

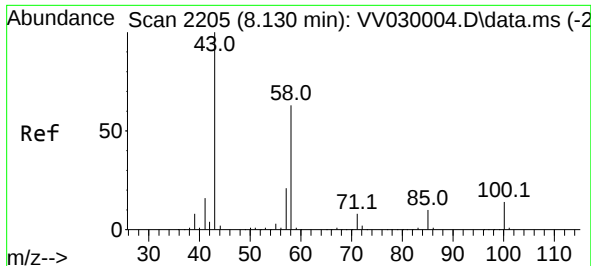
164 100

129 89.2 64.5 119.7

131 87.3 62.9 116.7

166 126.0 90.7 168.5



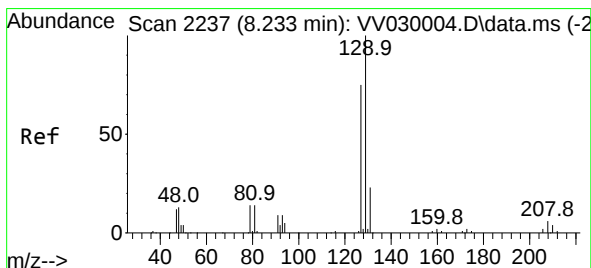
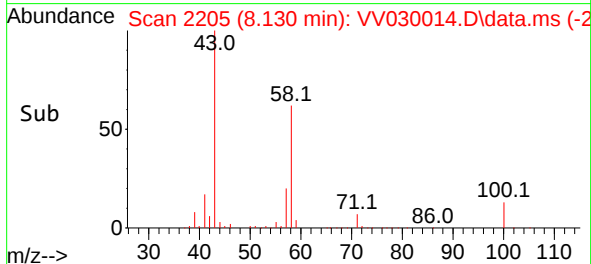
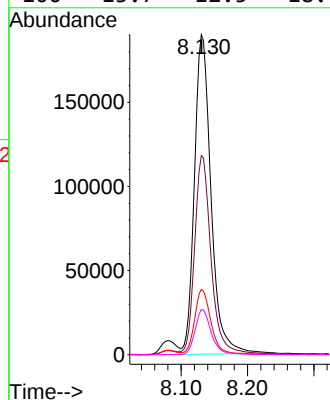
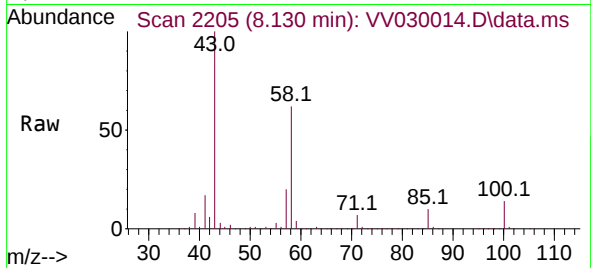


#48
2-Hexanone
Concen: 60.239 ug/L
RT: 8.130 min Scan# 2205
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

Tgt Ion: 43 Resp: 331888

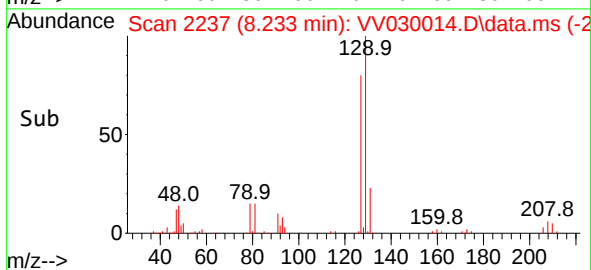
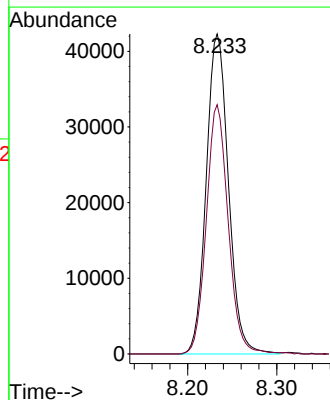
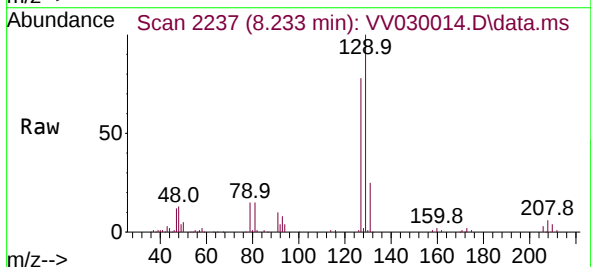
Ion	Ratio	Lower	Upper
43	100		
58	61.7	51.4	77.2
57	20.0	17.0	25.6
100	13.7	12.5	18.7

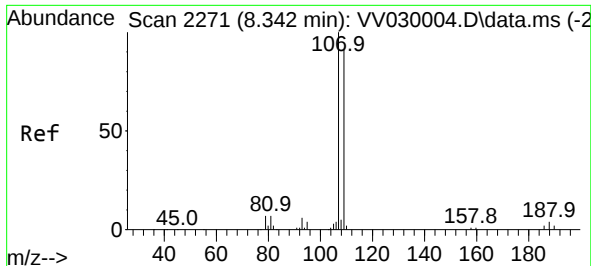


#49
Dibromochloromethane
Concen: 4.794 ug/L
RT: 8.233 min Scan# 2237
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion: 129 Resp: 73210

Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.1	100.5





#50

1,2-Dibromoethane

Concen: 4.885 ug/L

RT: 8.339 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD005281

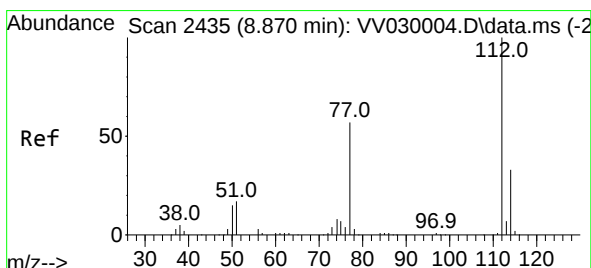
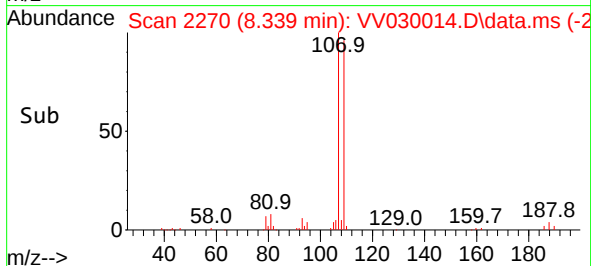
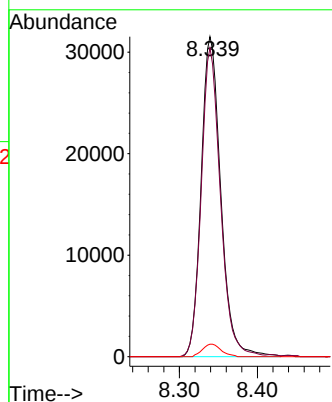
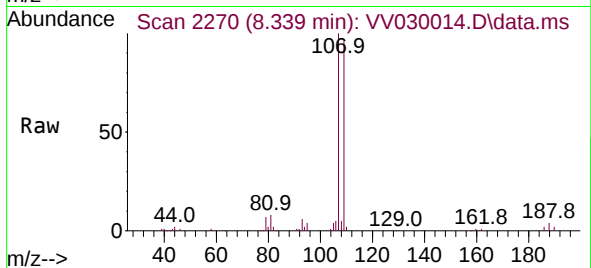
Tgt Ion:107 Resp: 55182

Ion Ratio Lower Upper

107 100

109 96.5 66.1 122.7

188 3.9 2.9 4.3



#51

Chlorobenzene

Concen: 4.935 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

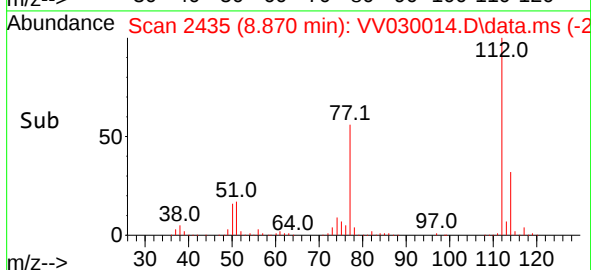
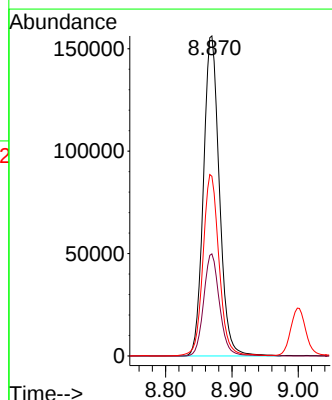
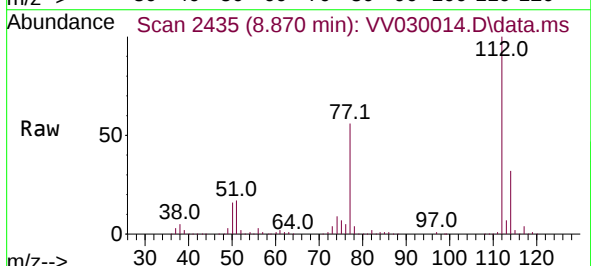
Tgt Ion:112 Resp: 260687

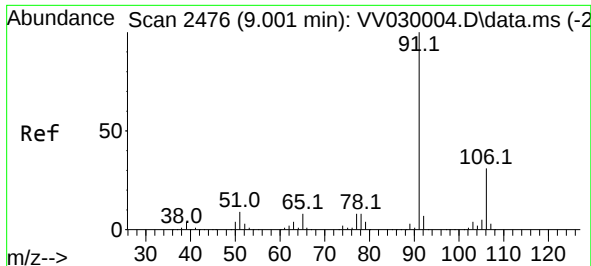
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.9

77 56.2 46.1 69.1





#52

Ethylbenzene

Concen: 4.878 ug/L

RT: 8.998 min Scan# 2476

Delta R.T. -0.003 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

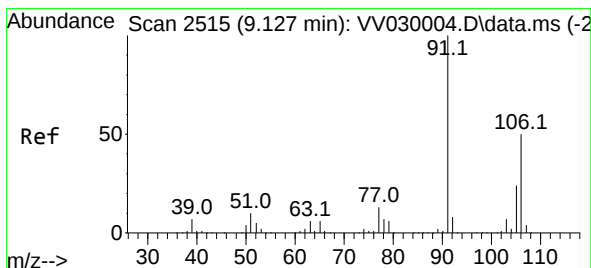
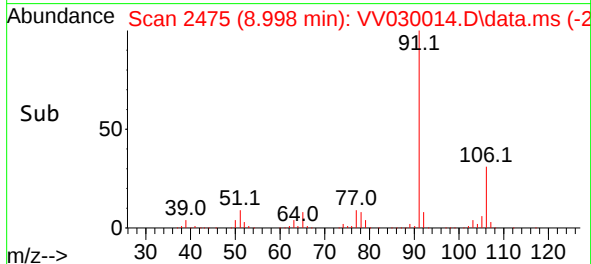
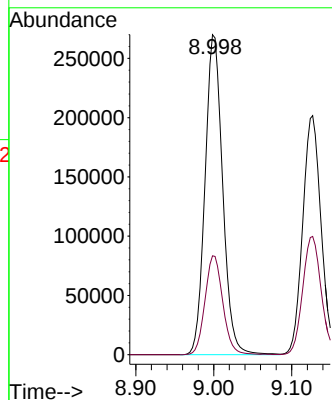
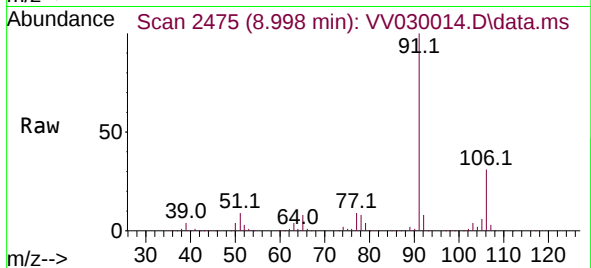
VSTD005281

Tgt Ion: 91 Resp: 424651

Ion Ratio Lower Upper

91 100

106 30.9 21.9 40.7



#53

m,p-Xylene

Concen: 4.830 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. 0.000 min

Lab File: VV030014.D

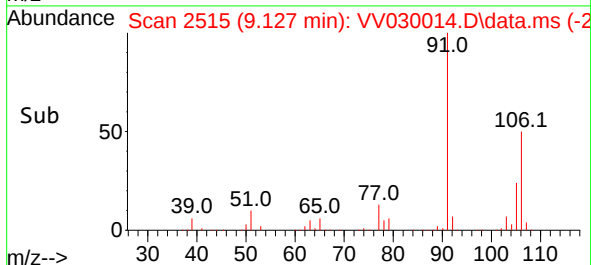
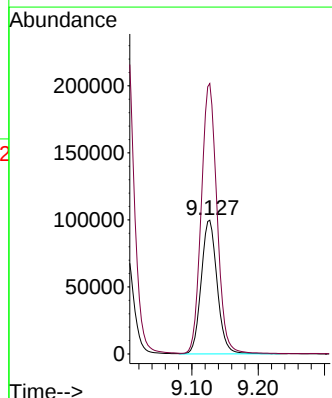
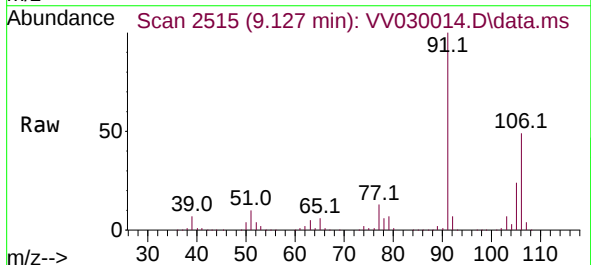
Acq: 02 Feb 2023 10:35

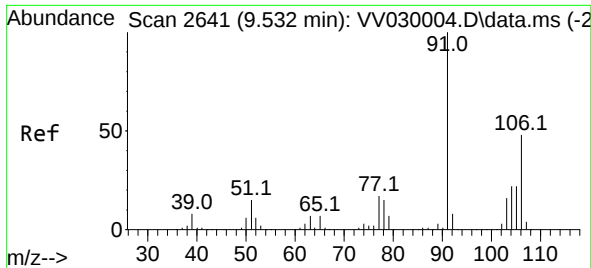
Tgt Ion:106 Resp: 166458

Ion Ratio Lower Upper

106 100

91 202.0 138.7 257.7

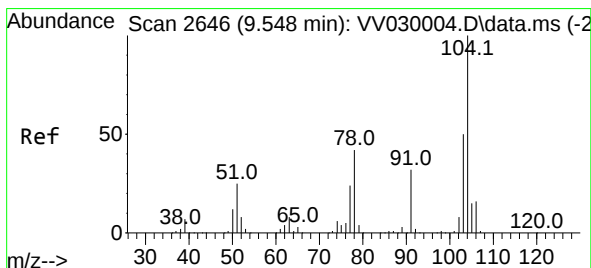
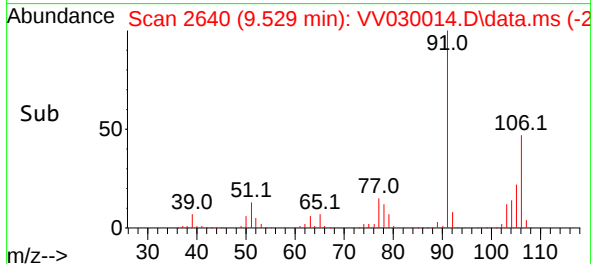
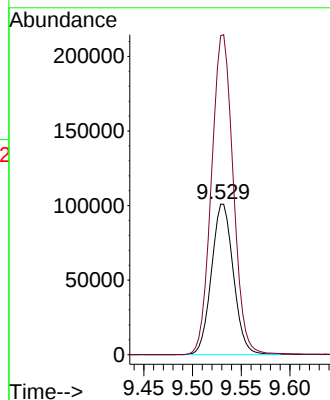
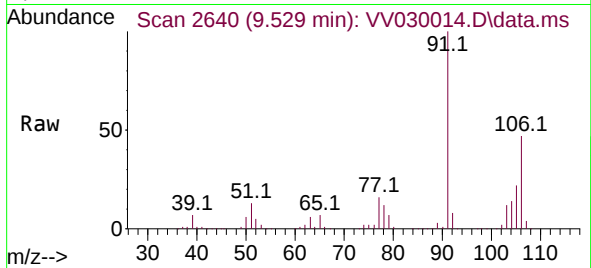




#54
o-Xylene
Concen: 4.841 ug/L
RT: 9.529 min Scan# 2640
Delta R.T. -0.003 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

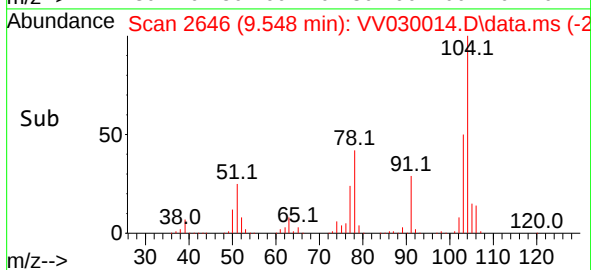
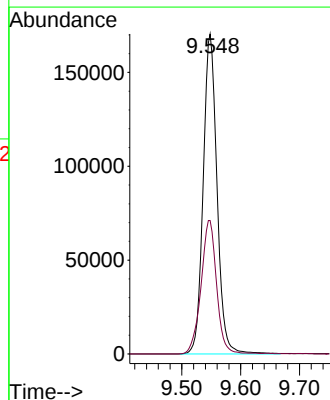
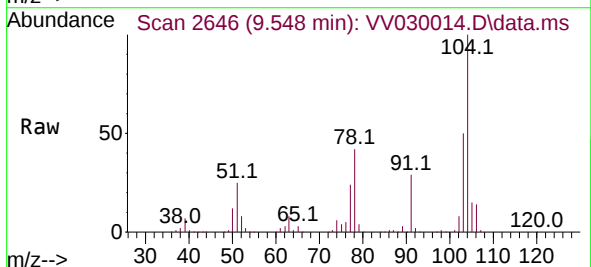
Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

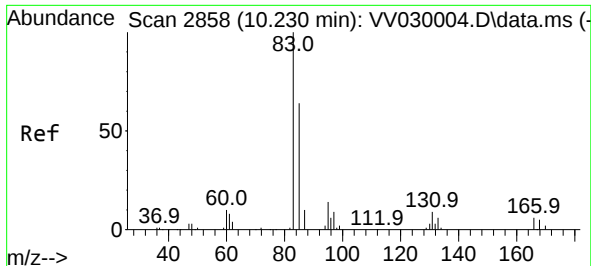
Tgt Ion:106 Resp: 158331
Ion Ratio Lower Upper
106 100
91 211.9 147.7 274.3



#55
Styrene
Concen: 4.951 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion:104 Resp: 278465
Ion Ratio Lower Upper
104 100
78 41.7 28.6 53.2

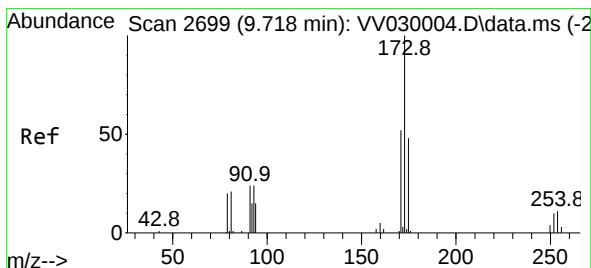
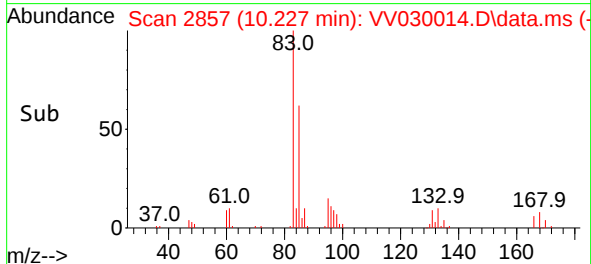
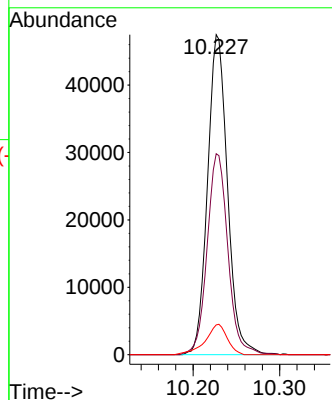
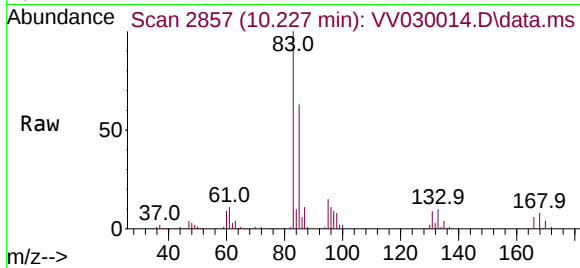




#57
1,1,2,2-Tetrachloroethane
Concen: 5.258 ug/L
RT: 10.227 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

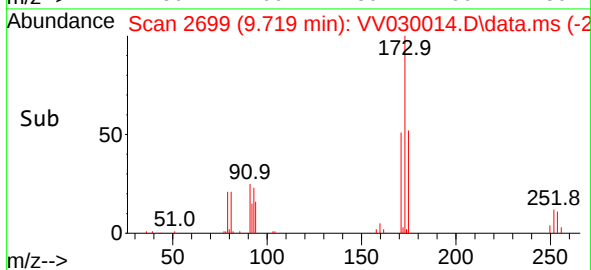
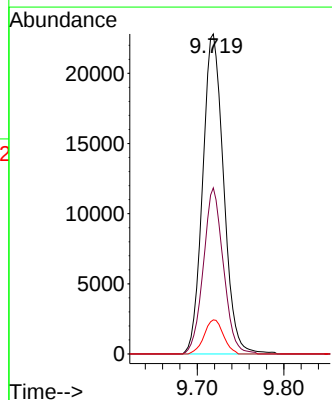
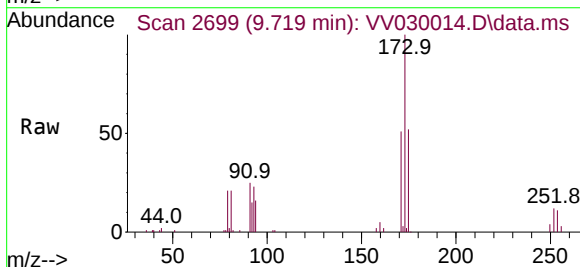
Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

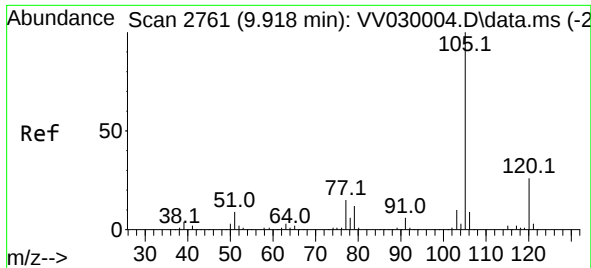
Tgt Ion:	83	Resp:	76008
Ion	Ratio	Lower	Upper
83	100		
85	62.8	46.0	85.4
131	9.3	8.4	12.6



#59
Bromoform
Concen: 4.576 ug/L
RT: 9.719 min Scan# 2699
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion:	173	Resp:	38269
Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.6	57.8
254	9.8	7.9	11.9

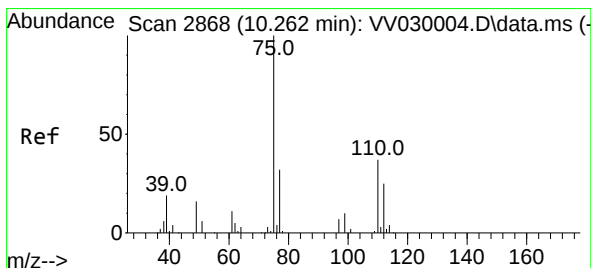
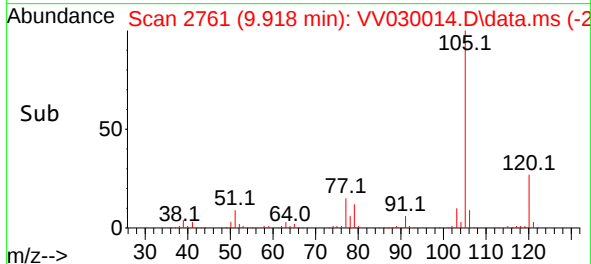
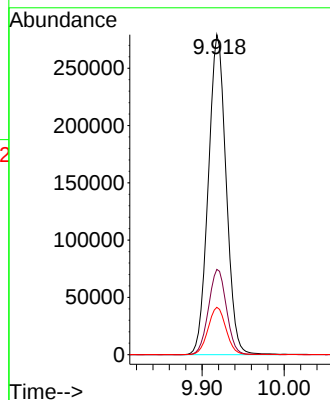
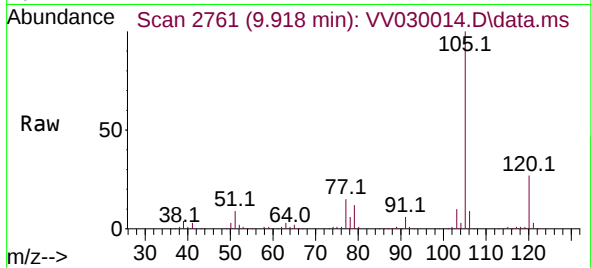




#60
Isopropylbenzene
Concen: 5.124 ug/L
RT: 9.918 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

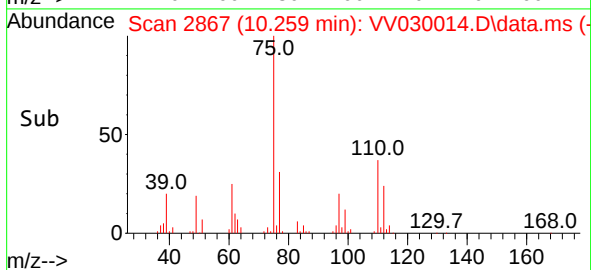
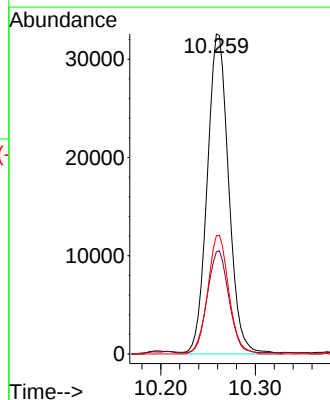
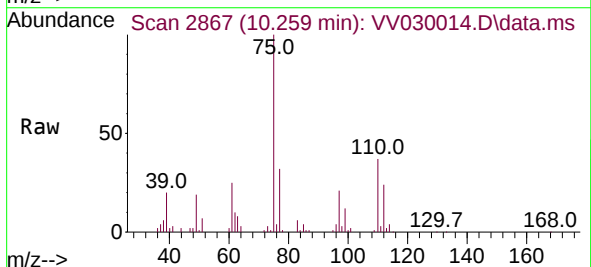
Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

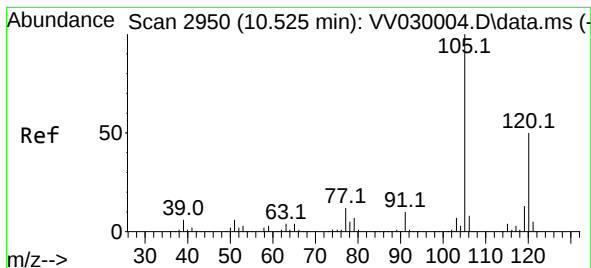
Tgt Ion:105 Resp: 422853
Ion Ratio Lower Upper
105 100
120 26.8 21.2 31.8
77 15.0 11.8 17.8



#61
1,2,3-Trichloropropane
Concen: 5.381 ug/L
RT: 10.259 min Scan# 2867
Delta R.T. -0.003 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion: 75 Resp: 51439
Ion Ratio Lower Upper
75 100
77 31.7 26.5 39.7
110 36.4 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 4.860 ug/L

RT: 10.526 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

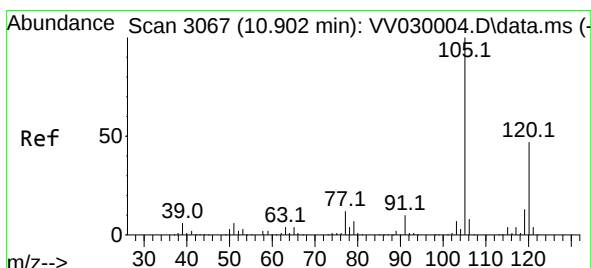
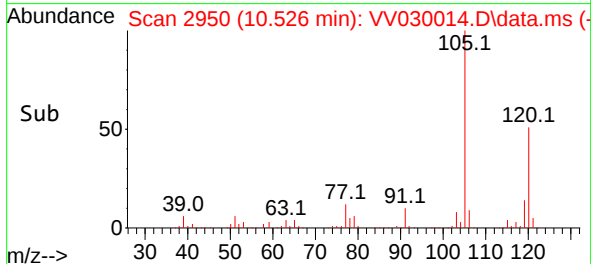
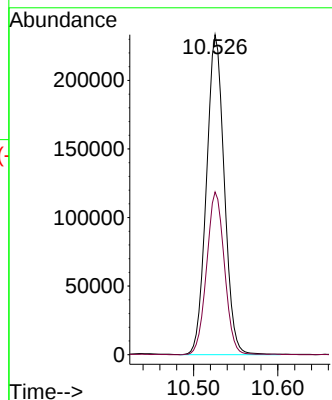
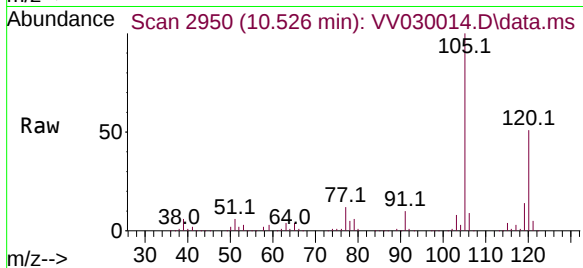
VSTD005281

Tgt Ion:105 Resp: 343691

Ion Ratio Lower Upper

105 100

120 50.8 40.1 60.1



#63

1,2,4-Trimethylbenzene

Concen: 4.980 ug/L

RT: 10.902 min Scan# 3067

Delta R.T. 0.000 min

Lab File: VV030014.D

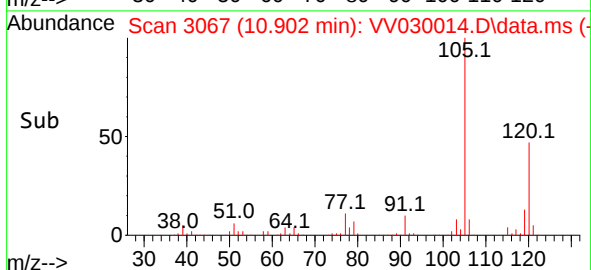
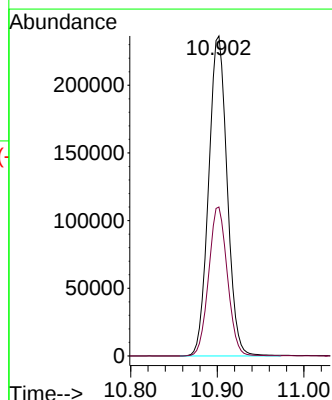
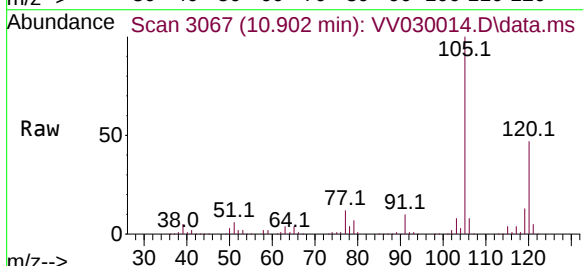
Acq: 02 Feb 2023 10:35

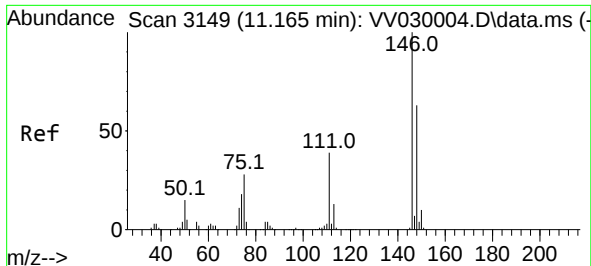
Tgt Ion:105 Resp: 351239

Ion Ratio Lower Upper

105 100

120 46.9 37.4 56.0

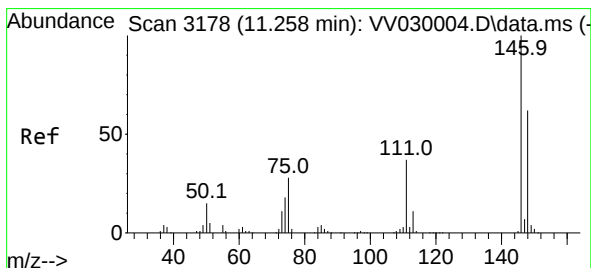
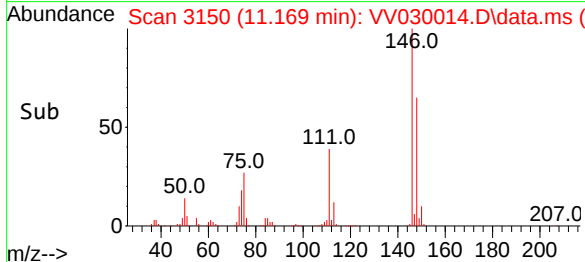
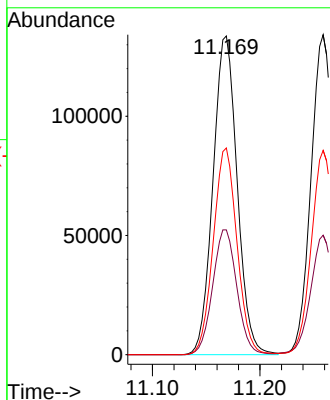
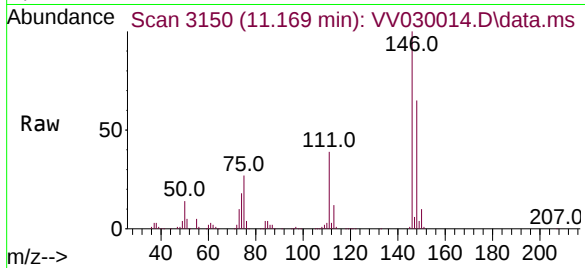




#64
1,3-Dichlorobenzene
Concen: 4.985 ug/L
RT: 11.169 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

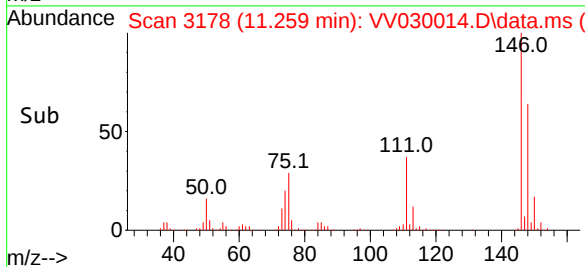
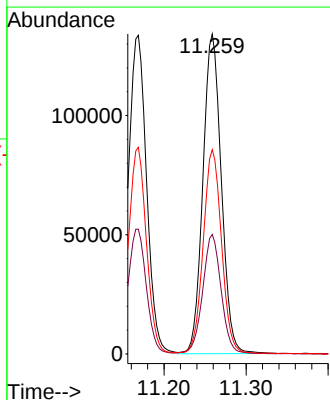
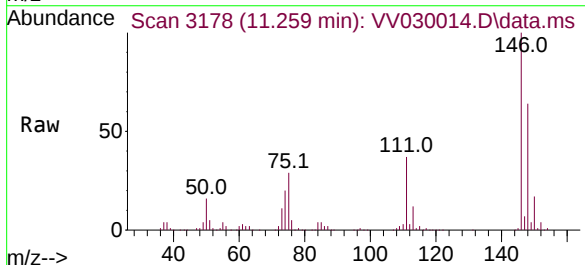
Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

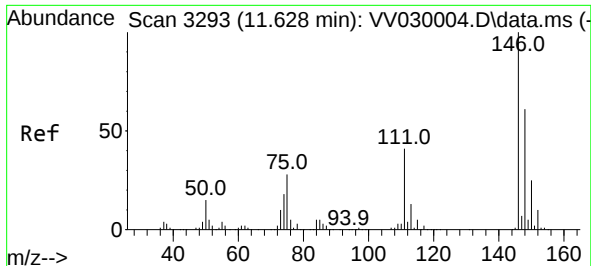
Tgt Ion:146 Resp: 208912
Ion Ratio Lower Upper
146 100
111 39.2 27.2 50.6
148 64.8 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 4.995 ug/L
RT: 11.259 min Scan# 3178
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion:146 Resp: 208680
Ion Ratio Lower Upper
146 100
111 37.4 26.5 49.1
148 63.9 45.8 85.2





#67

1,2-Dichlorobenzene

Concen: 5.031 ug/L

RT: 11.628 min Scan# 3293

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD005281

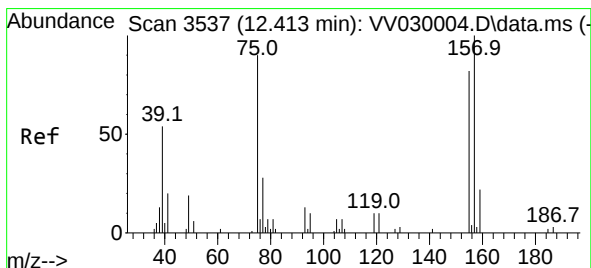
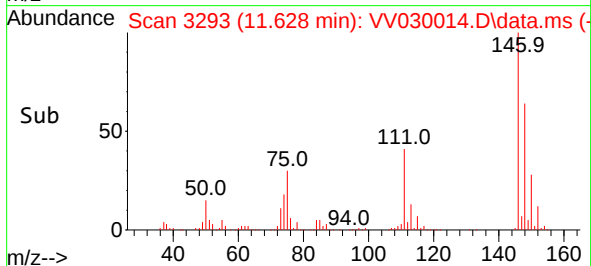
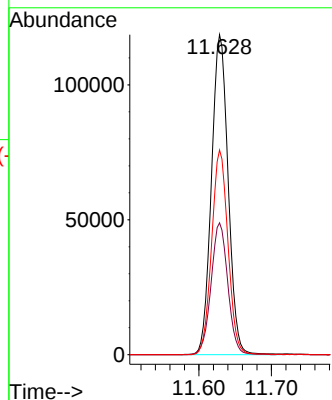
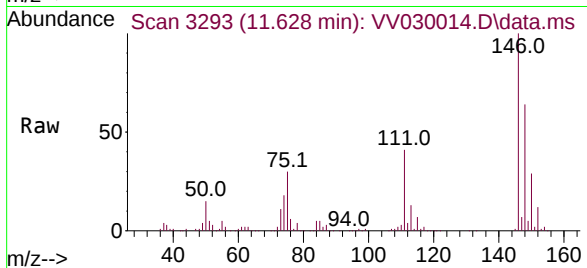
Tgt Ion:146 Resp: 189538

Ion Ratio Lower Upper

146 100

111 41.2 31.8 47.8

148 64.0 51.4 77.0



#68

1,2-Dibromo-3-chloropropane

Concen: 4.886 ug/L

RT: 12.413 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VV030014.D

Acq: 02 Feb 2023 10:35

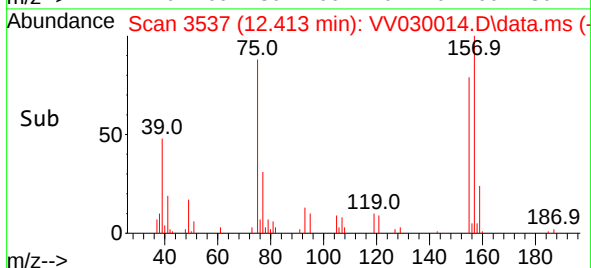
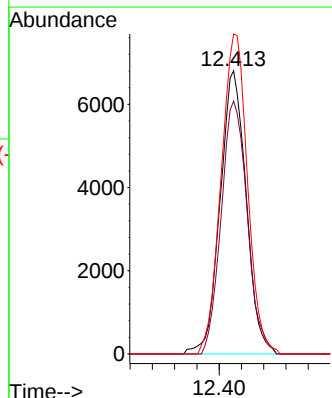
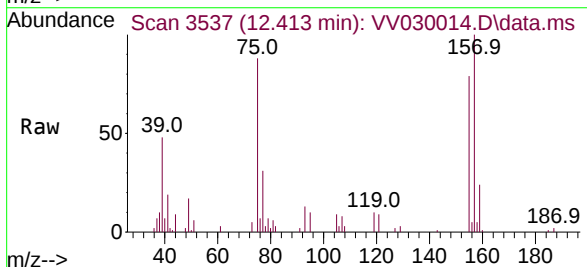
Tgt Ion: 75 Resp: 11047

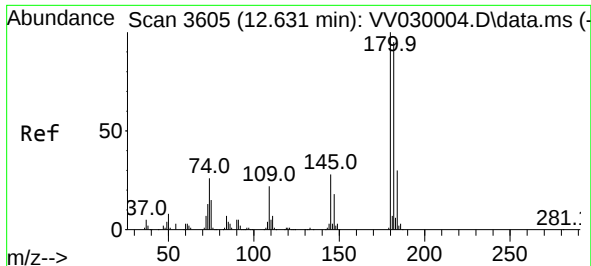
Ion Ratio Lower Upper

75 100

155 89.3 75.5 113.3

157 113.0 99.2 148.8



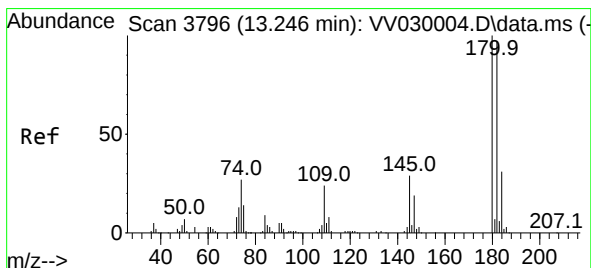
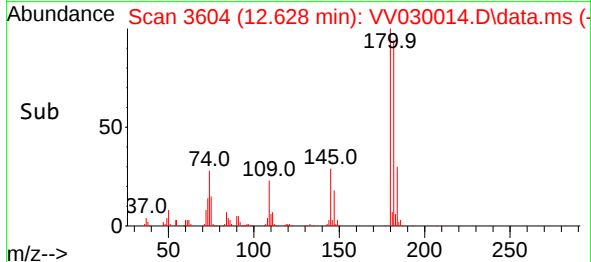
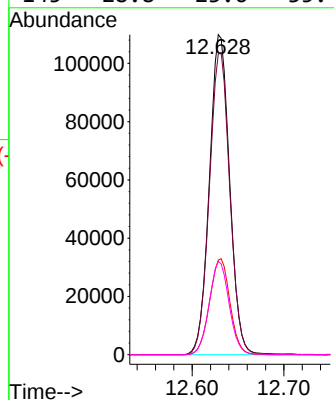
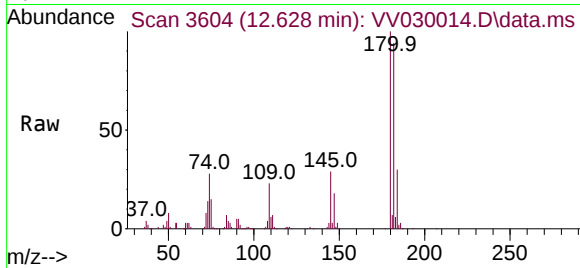


#69
 1,3,5-Trichlorobenzene
 Concen: 4.983 ug/L
 RT: 12.628 min Scan# 3604
 Delta R.T. -0.003 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005281

Tgt Ion:180 Resp: 168100

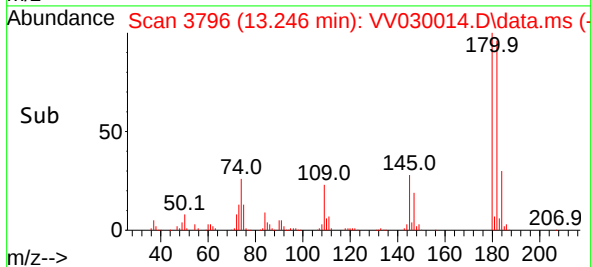
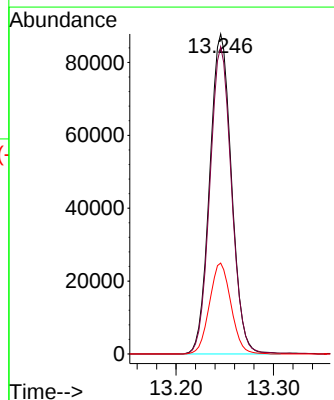
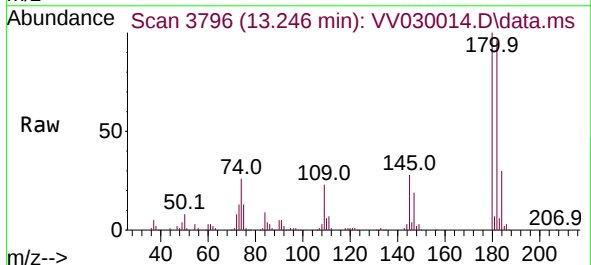
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.4	113.2
184	30.3	23.9	35.9
145	28.8	23.6	35.4

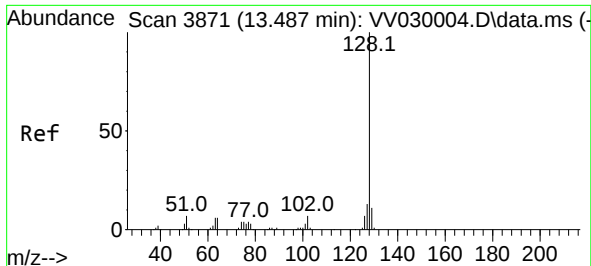


#70
 1,2,4-trichlorobenzene
 Concen: 5.180 ug/L
 RT: 13.246 min Scan# 3796
 Delta R.T. 0.000 min
 Lab File: VV030014.D
 Acq: 02 Feb 2023 10:35

Tgt Ion:180 Resp: 136552

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.8
145	28.0	23.7	35.5

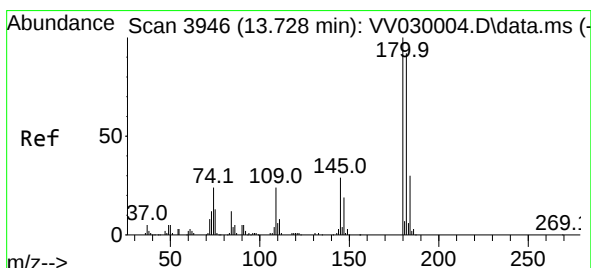
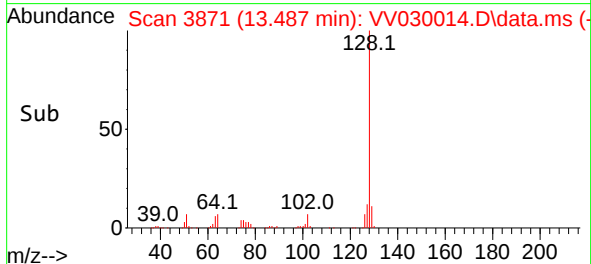
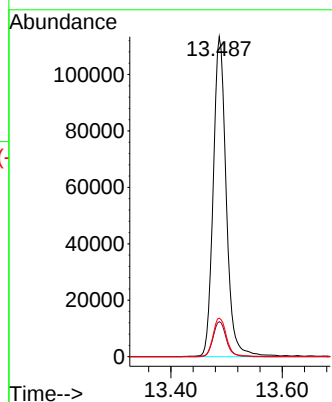
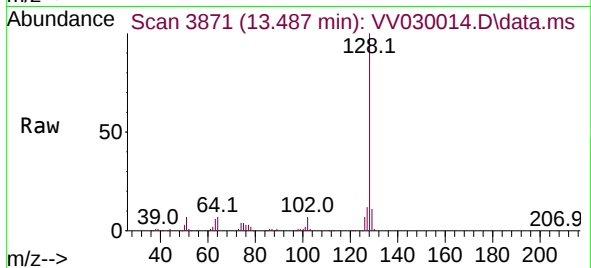




#71
Naphthalene
Concen: 5.393 ug/L
RT: 13.487 min Scan# 3871
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD005281

Tgt Ion:128 Resp: 184185
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.6 10.0 15.0



#72
1,2,3-Trichlorobenzene
Concen: 5.218 ug/L
RT: 13.728 min Scan# 3946
Delta R.T. 0.000 min
Lab File: VV030014.D
Acq: 02 Feb 2023 10:35

Tgt Ion:180 Resp: 114149
Ion Ratio Lower Upper
180 100
182 94.5 75.5 113.3
145 30.7 25.0 37.6

