

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022323\
 Data File : VW030086.D
 Acq On : 23 Feb 2023 10:54
 Operator : SY/MD
 Sample : VSTD00524
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005224

Quant Time: Feb 23 21:18:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 23 21:16:51 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	197320	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	185609	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	105921	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	63849	5.001	ug/L	0.00
7) Chloroethane-d5	1.536	69	59874	4.996	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	63	133294	5.078	ug/L	0.00
20) 2-Butanone-d5	3.838	46	118166	51.028	ug/L	0.00
24) Chloroform-d	4.262	84	131187	5.030	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	53934	5.066	ug/L	0.00
32) Benzene-d6	4.969	84	253549	5.077	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	76453	5.088	ug/L	0.00
41) Toluene-d8	7.252	98	243527	5.144	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	25704	5.000	ug/L	0.00
46) 2-Hexanone-d5	8.037	63	111928	53.046	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	54042	5.056	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.571	152	89555	4.997	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	80349	5.005	ug/L	100
3) Chloromethane	1.217	50	115543	4.567	ug/L	100
5) Vinyl chloride	1.285	62	84843	5.046	ug/L	100
6) Bromomethane	1.491	94	14585	4.833	ug/L	100
8) Chloroethane	1.555	64	51093	4.988	ug/L	100
9) Trichlorofluoromethane	1.719	101	121415	5.033	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	76927	5.142	ug/L	100
12) 1,1-Dichloroethene	2.076	96	65903	4.977	ug/L	100
13) Acetone	2.163	43	81859	47.384	ug/L	100
14) Carbon disulfide	2.246	76	179690	5.071	ug/L	100
15) Methyl Acetate	2.397	43	19708	4.834	ug/L	100
16) Methylene chloride	2.452	84	72628	4.489	ug/L	100
17) Methyl tert-butyl Ether	2.712	73	130719	5.048	ug/L	100
18) trans-1,2-Dichloroethene	2.699	96	63614	5.050	ug/L	100
19) 1,1-Dichloroethane	3.121	63	117987	5.028	ug/L	100
21) 2-Butanone	3.918	43	115385	49.313	ug/L	100
22) cis-1,2-Dichloroethene	3.828	96	69737	5.009	ug/L	100
23) Bromochloromethane	4.159	128	31188	5.242	ug/L	100
25) Chloroform	4.288	83	123420	5.056	ug/L	100
27) 1,2-Dichloroethane	5.053	62	65088	5.097	ug/L	100
29) 1,1,1-Trichloroethane	4.523	97	111294	5.104	ug/L	100
30) Cyclohexane	4.593	56	96187	5.106	ug/L	100
31) Carbon tetrachloride	4.744	117	100240	5.115	ug/L	100
33) Benzene	5.021	78	258740	5.104	ug/L	100
34) Trichloroethene	5.841	95	71924	5.064	ug/L	100
35) Methylcyclohexane	6.059	83	109282	5.084	ug/L	100
37) 1,2-Dichloropropane	6.101	63	64853	5.029	ug/L	100
38) Bromodichloromethane	6.442	83	84241	5.117	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	94810	5.022	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	282408	53.069	ug/L	100
42) Toluene	7.323	91	289099	5.266	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	76905	5.218	ug/L	100

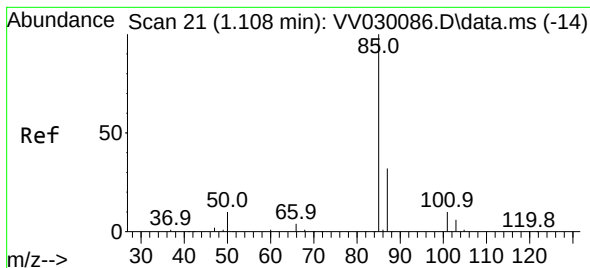
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022323\
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 23 21:16:51 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	47572	5.155	ug/L	100
47) Tetrachloroethene	7.912	164	62340	5.113	ug/L	100
48) 2-Hexanone	8.085	43	205171	54.736	ug/L	100
49) Dibromochloromethane	8.185	129	55926	5.179	ug/L	100
50) 1,2-Dibromoethane	8.291	107	45112	5.240	ug/L	100
51) Chlorobenzene	8.821	112	189184	5.109	ug/L	100
52) Ethylbenzene	8.953	91	309218	5.175	ug/L	100
53) m,p-Xylene	9.082	106	119057	5.185	ug/L	100
54) o-Xylene	9.487	106	114599	5.224	ug/L	100
55) Styrene	9.503	104	196247	5.380	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	53007	5.135	ug/L	100
59) Bromoform	9.673	173	32151	5.064	ug/L	100
60) Isopropylbenzene	9.876	105	321701	5.278	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	35990	5.077	ug/L	100
62) 1,3,5-Trimethylbenzene	10.484	105	259807	5.190	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	271531	5.302	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	164326	5.178	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	160386	5.009	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	144940	5.173	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	7814	4.935	ug/L	100
69) 1,3,5-Trichlorobenzene	12.593	180	132447	5.077	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	107139	5.070	ug/L	100
71) Naphthalene	13.448	128	137940	4.995	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	89761	5.160	ug/L	100

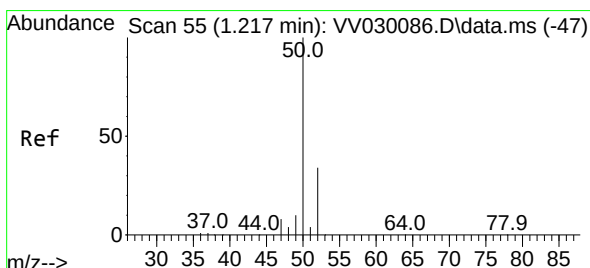
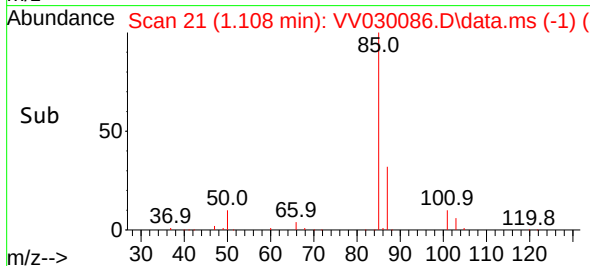
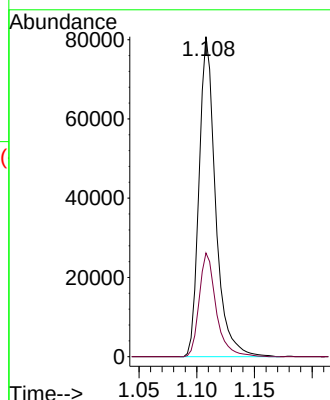
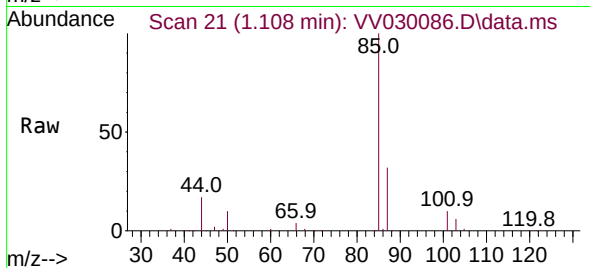
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.005 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
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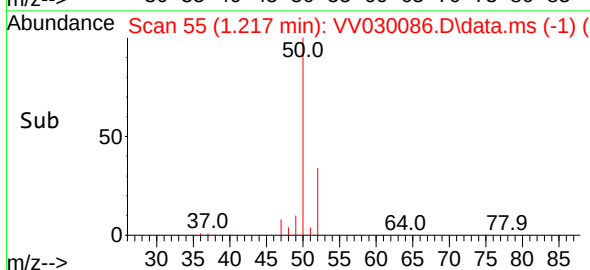
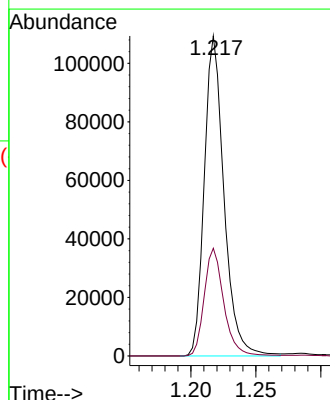
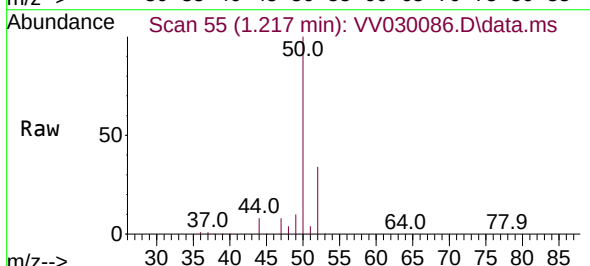
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005224

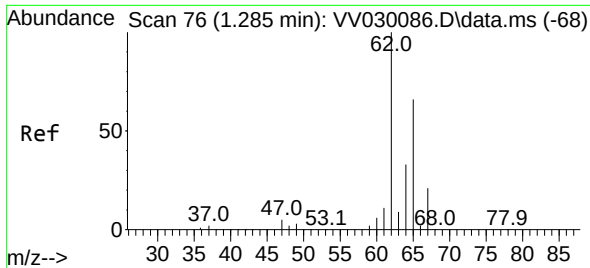
Tgt Ion: 85 Resp: 80349
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.6 39.8



#3
 Chloromethane
 Concen: 4.567 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Tgt Ion: 50 Resp: 115543
 Ion Ratio Lower Upper
 50 100
 52 33.7 23.6 43.8

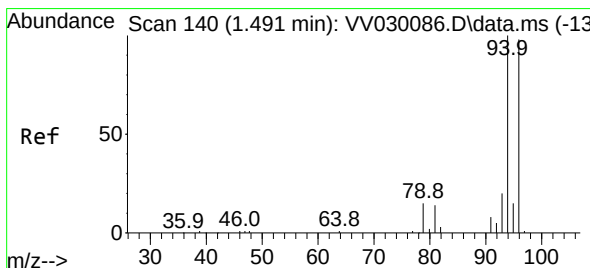
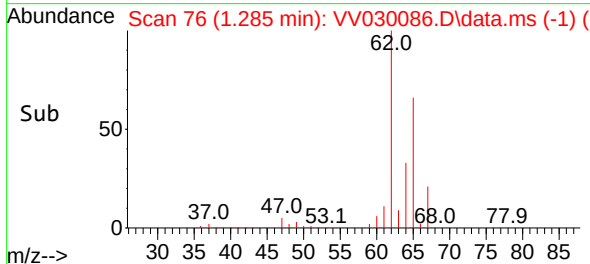
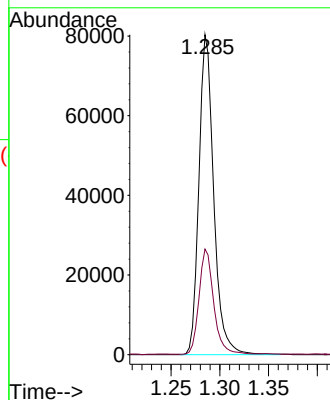
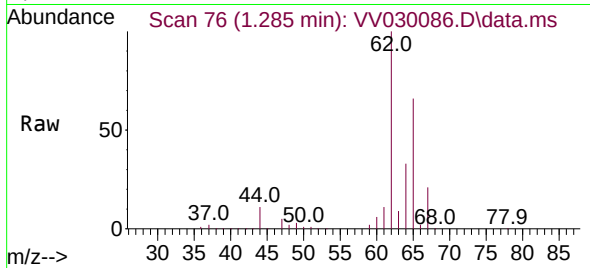




#5
 Vinyl chloride
 Concen: 5.046 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

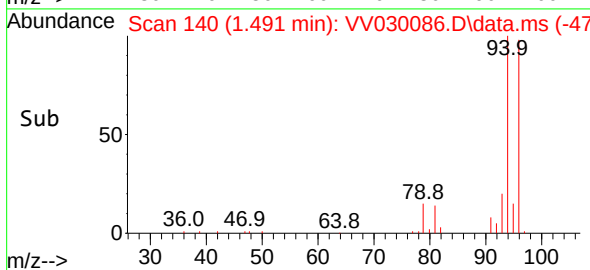
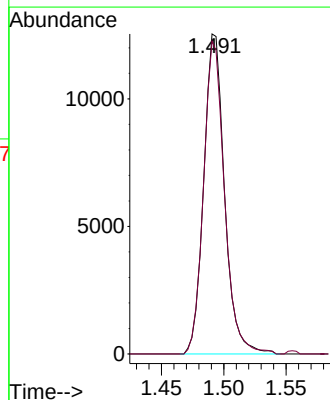
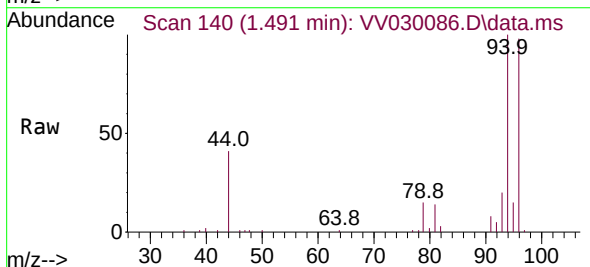
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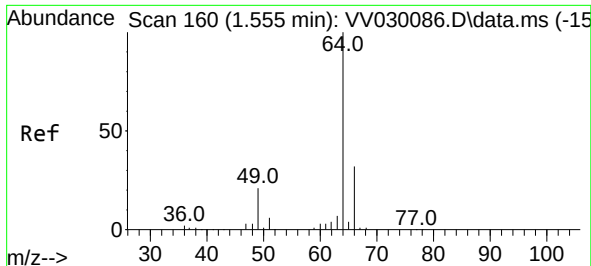
Tgt Ion: 62 Resp: 84843
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 4.833 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Tgt Ion: 94 Resp: 14585
 Ion Ratio Lower Upper
 94 100
 96 97.7 68.4 127.0

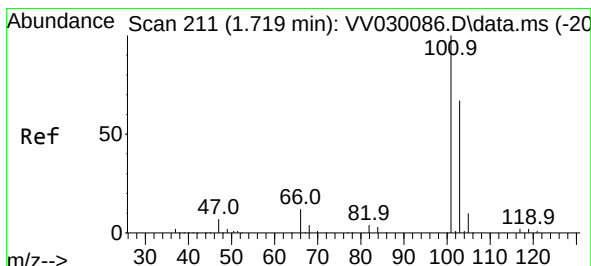
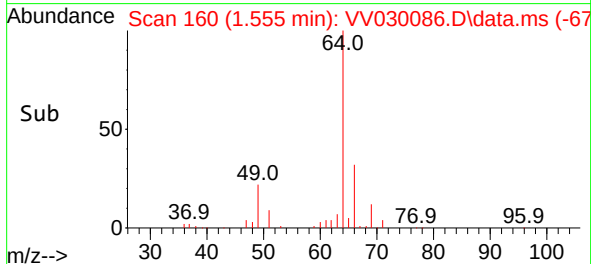
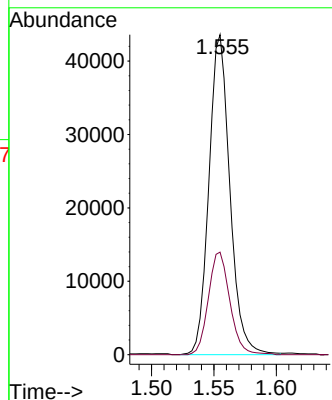
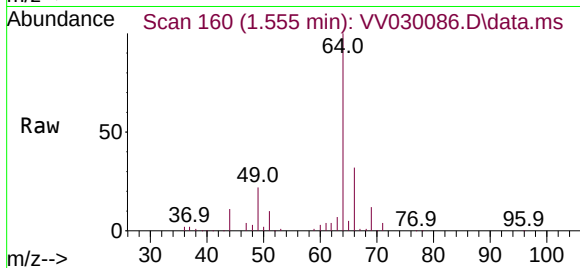




#8
Chloroethane
Concen: 4.988 ug/L
RT: 1.555 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

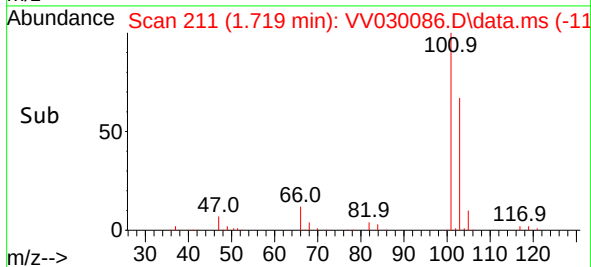
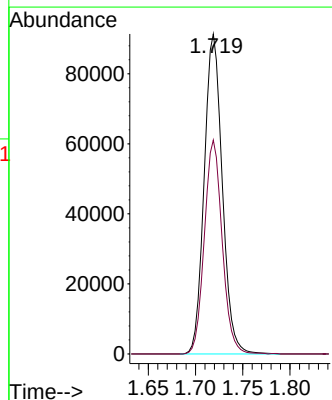
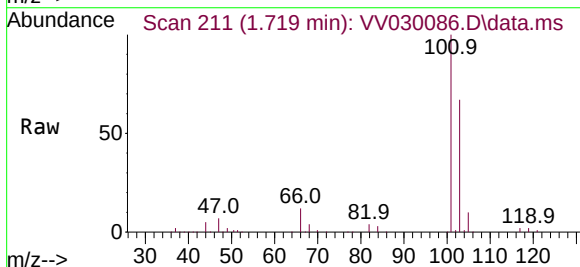
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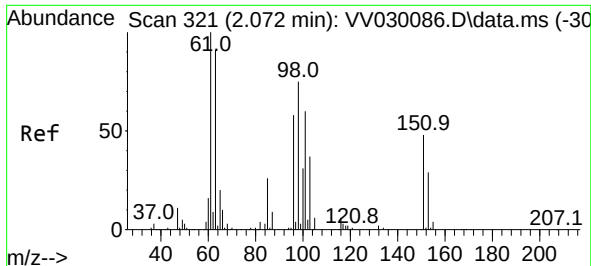
Tgt Ion: 64 Resp: 51093
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.033 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion:101 Resp: 121415
Ion Ratio Lower Upper
101 100
103 65.9 52.7 79.1

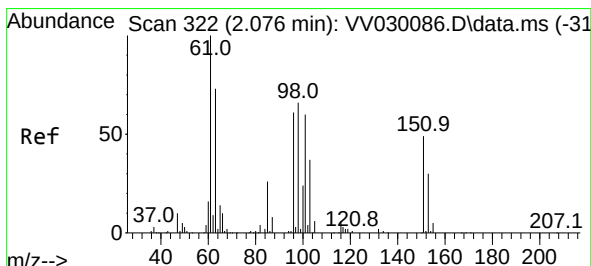
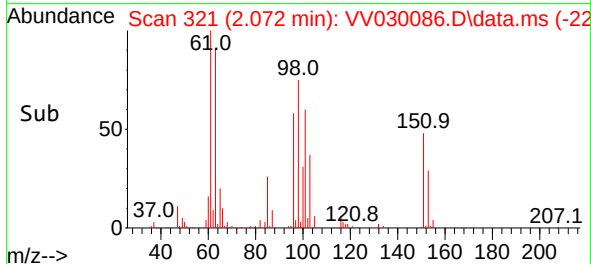
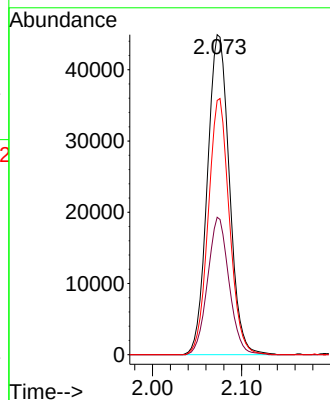
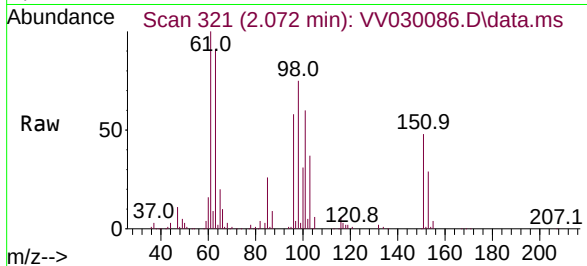




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.142 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

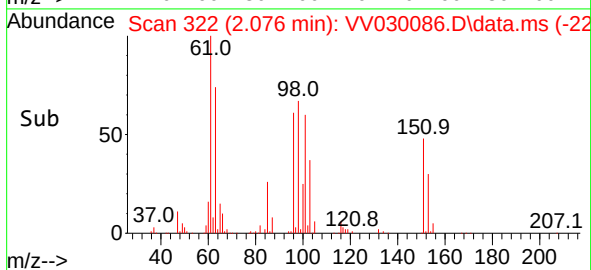
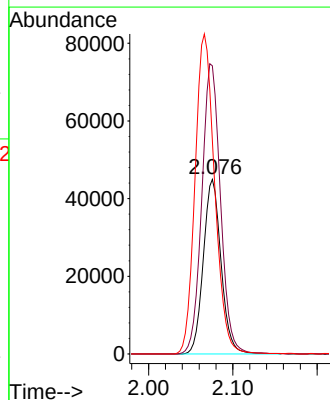
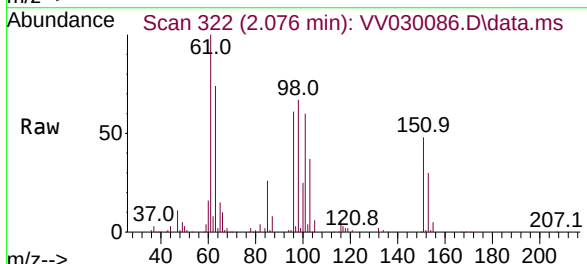
Instrument :
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 ClientSampleId :
 VSTD005224

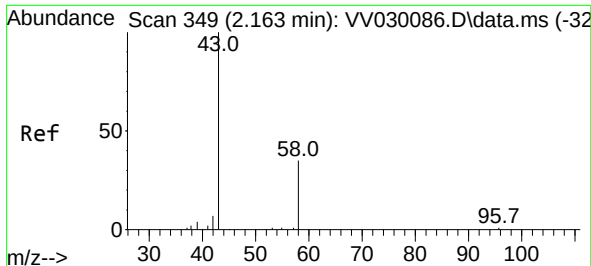
Tgt Ion: 101 Resp: 76927
 Ion Ratio Lower Upper
 101 100
 85 41.9 33.5 50.3
 151 77.0 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.977 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Tgt Ion: 96 Resp: 65903
 Ion Ratio Lower Upper
 96 100
 61 165.1 115.6 214.6
 63 122.3 85.6 159.0





#13

Acetone

Concen: 47.384 ug/L

RT: 2.163 min Scan# 349

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

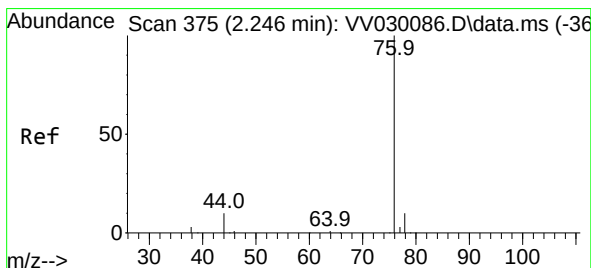
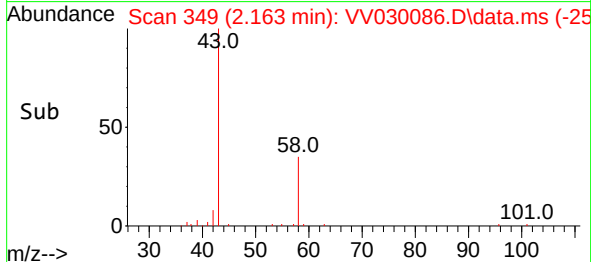
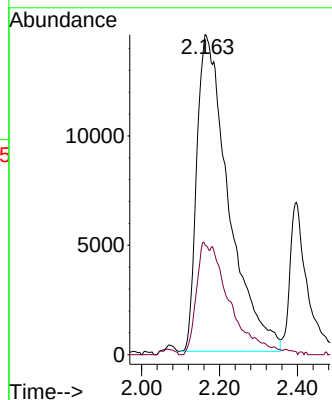
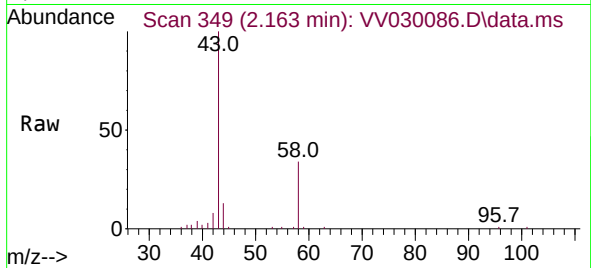
VSTD005224

Tgt Ion: 43 Resp: 81859

Ion Ratio Lower Upper

43 100

58 14.7 0.0 29.4



#14

Carbon disulfide

Concen: 5.071 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030086.D

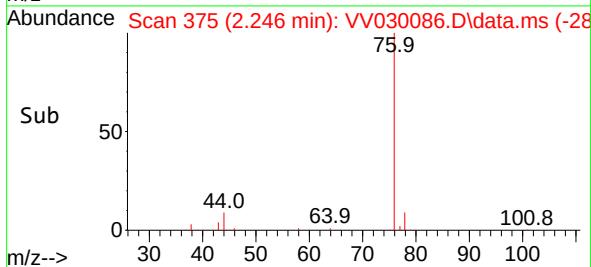
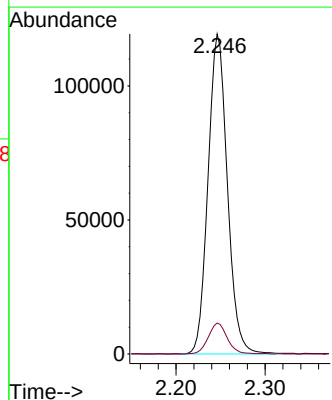
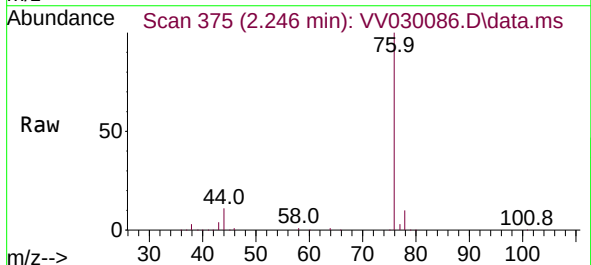
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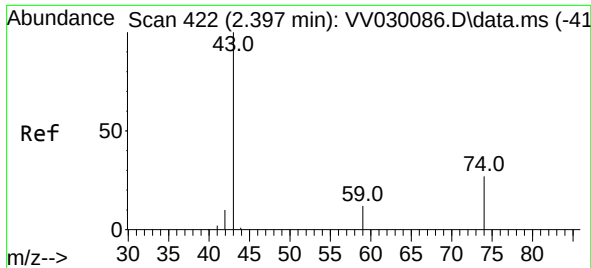
Tgt Ion: 76 Resp: 179690

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

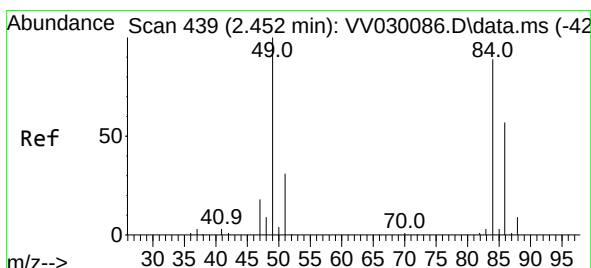
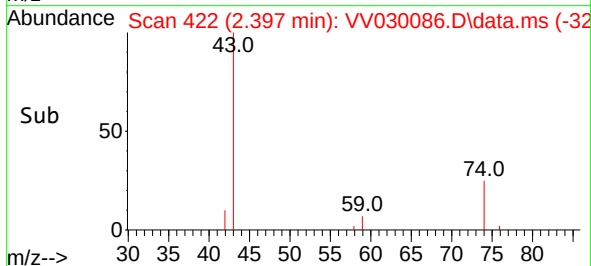
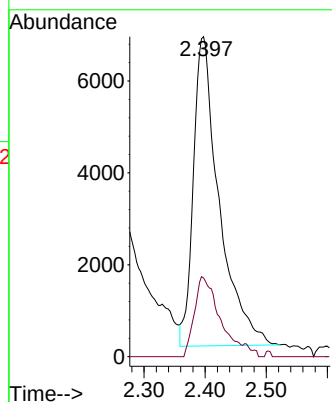
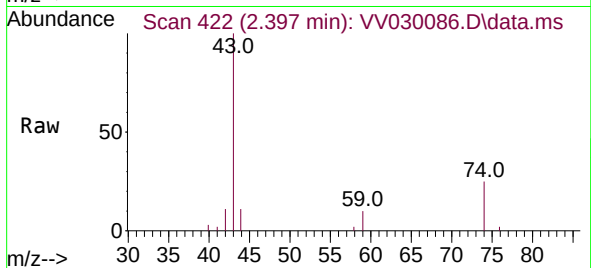




#15
Methyl Acetate
Concen: 4.834 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

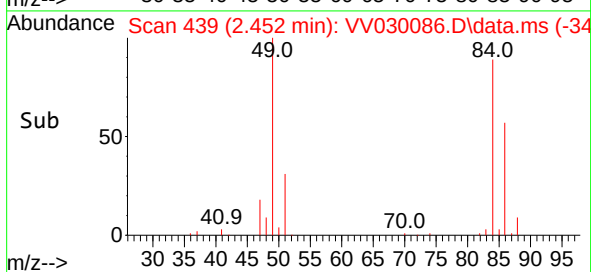
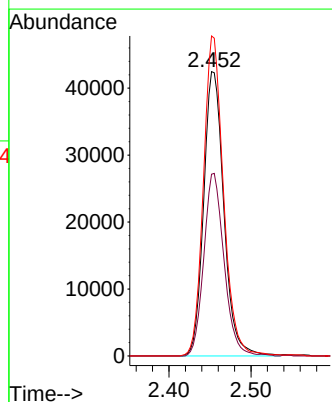
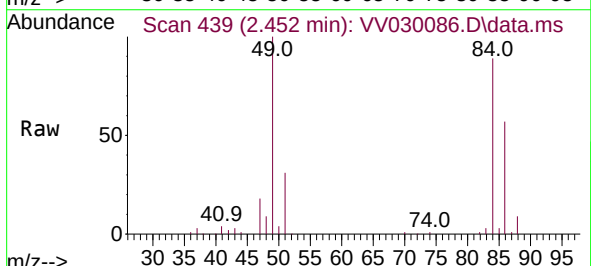
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ClientSampleId :
VSTD005224

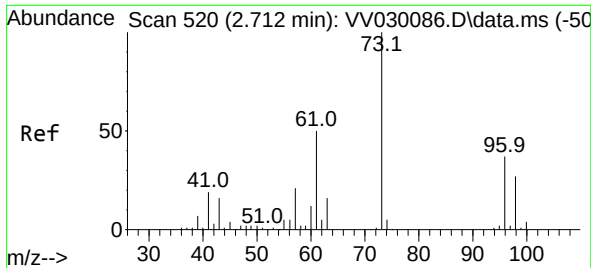
Tgt Ion: 43 Resp: 19708
Ion Ratio Lower Upper
43 100
74 25.1 20.1 30.1



#16
Methylene chloride
Concen: 4.489 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion: 84 Resp: 72628
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 112.5 78.8 146.3

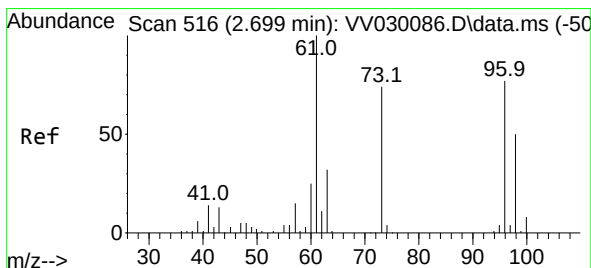
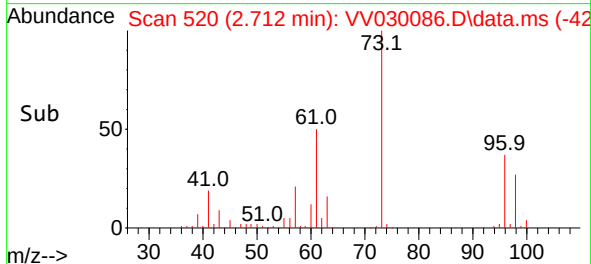
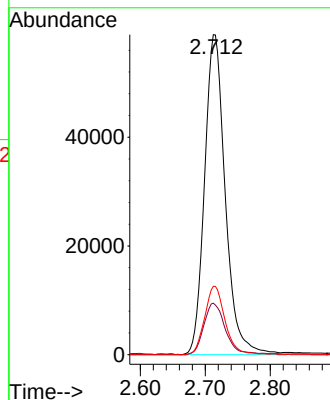
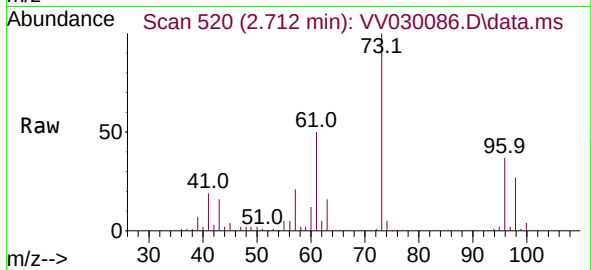




#17
Methyl tert-butyl Ether
Concen: 5.048 ug/L
RT: 2.712 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

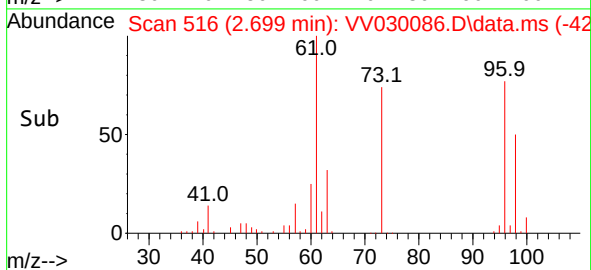
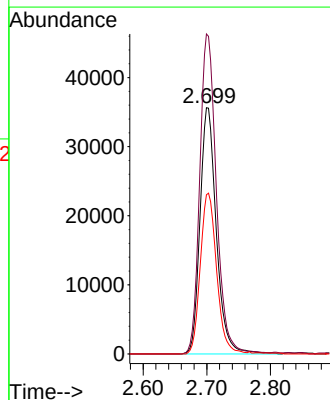
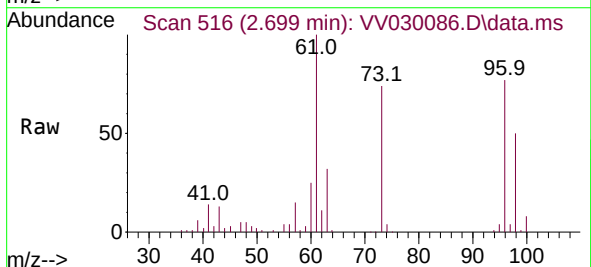
Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

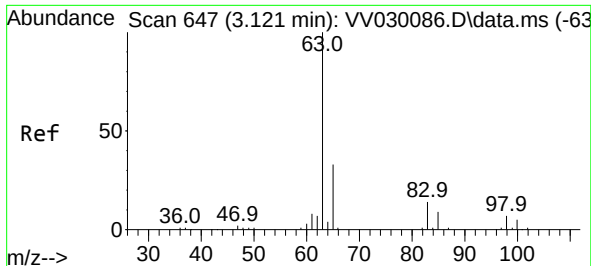
Tgt Ion: 73 Resp: 130719
Ion Ratio Lower Upper
73 100
43 16.8 13.4 20.2
57 21.0 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 5.050 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion: 96 Resp: 63614
Ion Ratio Lower Upper
96 100
61 130.0 91.0 169.0
98 64.6 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.028 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005224

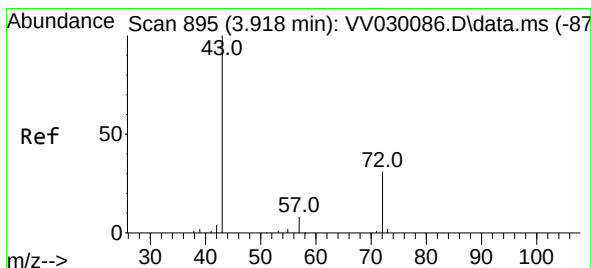
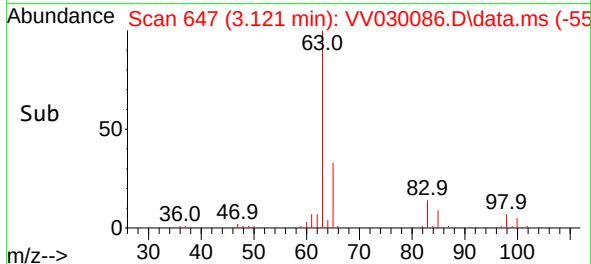
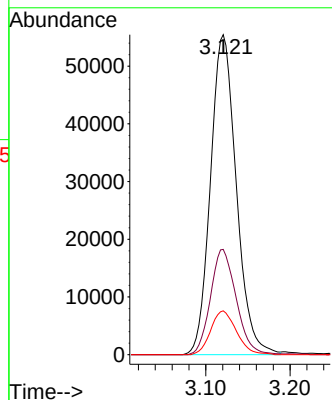
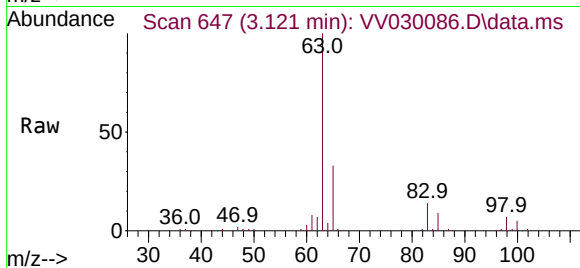
Tgt Ion: 63 Resp: 117987

Ion Ratio Lower Upper

63 100

65 32.9 23.0 42.8

83 13.7 9.6 17.8



#21

2-Butanone

Concen: 49.313 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.000 min

Lab File: VV030086.D

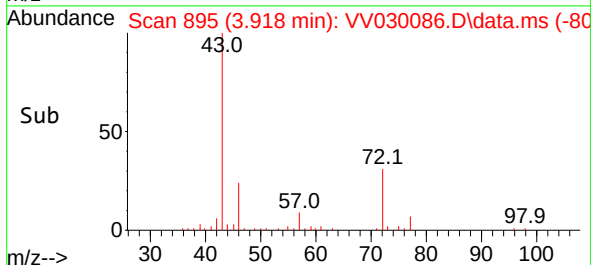
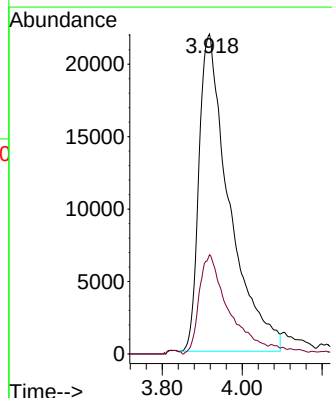
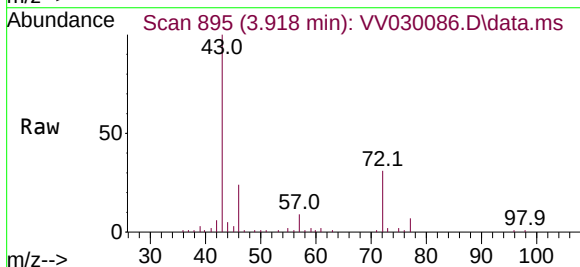
Acq: 23 Feb 2023 10:54

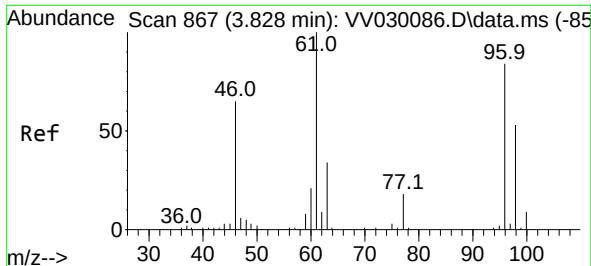
Tgt Ion: 43 Resp: 115385

Ion Ratio Lower Upper

43 100

72 30.2 15.1 45.3



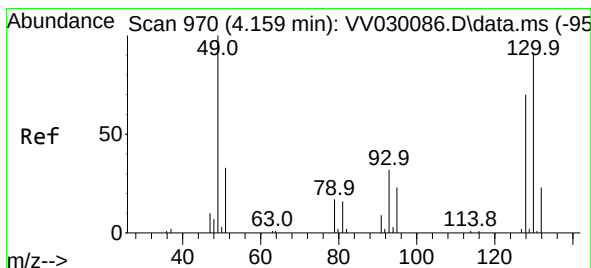
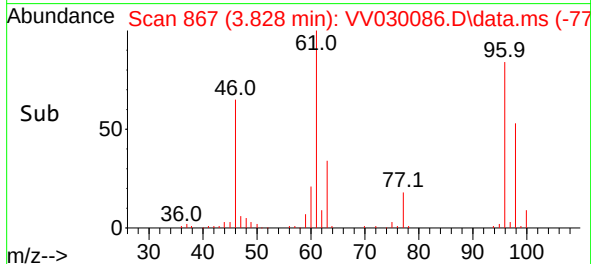
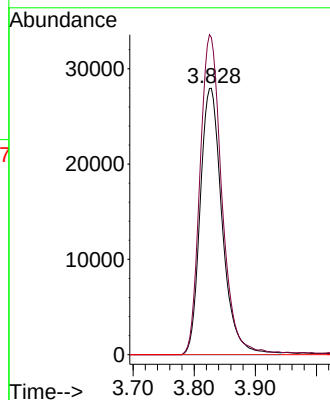
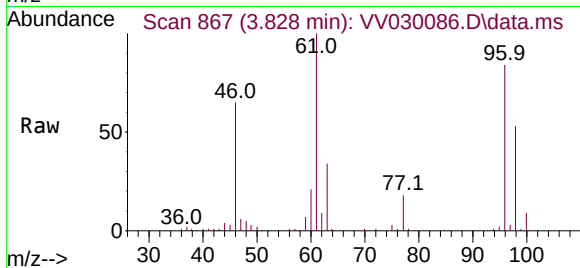


#22
 cis-1,2-Dichloroethene
 Concen: 5.009 ug/L
 RT: 3.828 min Scan# 867
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005224

Tgt Ion: 96 Resp: 69737

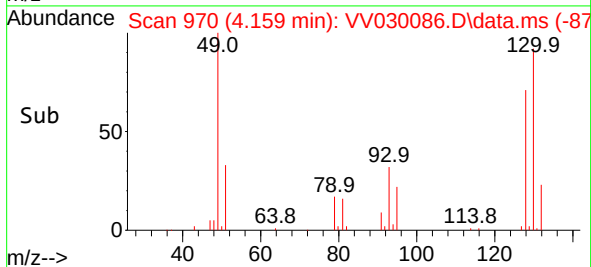
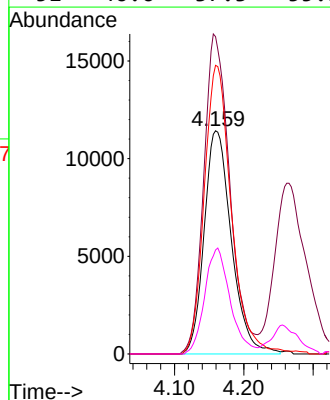
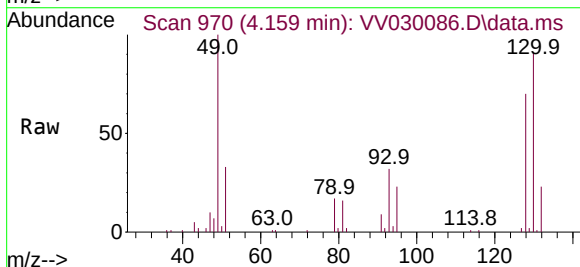
Ion	Ratio	Lower	Upper
96	100		
61	119.1	83.4	154.8
68	0.0	0.0	0.0

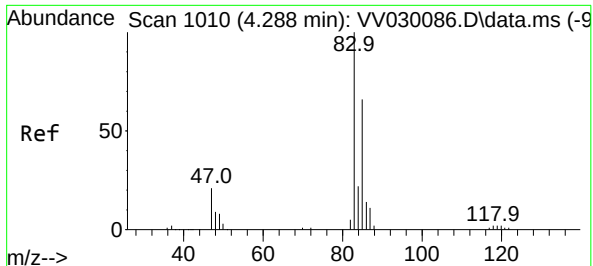


#23
 Bromochloromethane
 Concen: 5.242 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Tgt Ion: 128 Resp: 31188

Ion	Ratio	Lower	Upper
128	100		
49	142.2	99.5	184.9
130	129.3	90.5	168.1
51	46.6	37.3	55.9





#25

Chloroform

Concen: 5.056 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

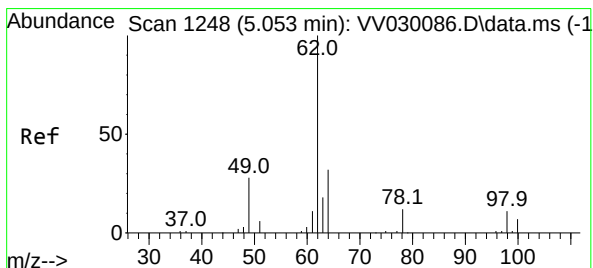
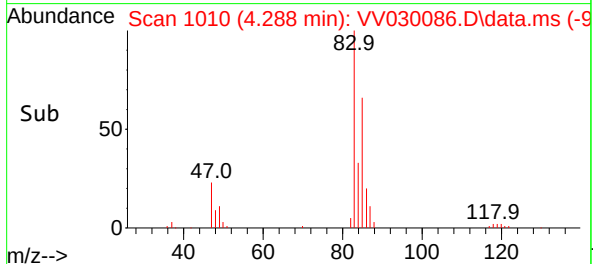
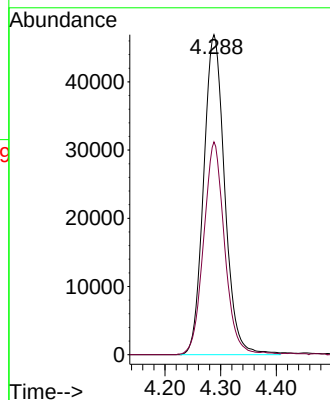
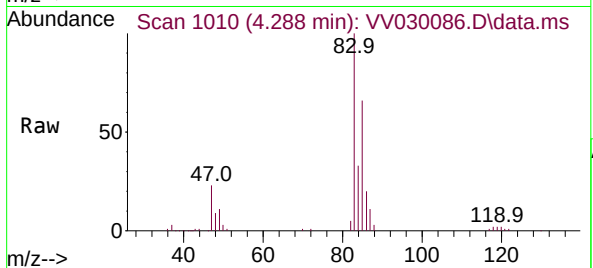
VSTD005224

Tgt Ion: 83 Resp: 123420

Ion Ratio Lower Upper

83 100

85 66.5 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.097 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VV030086.D

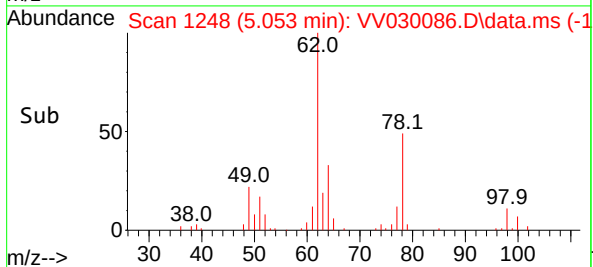
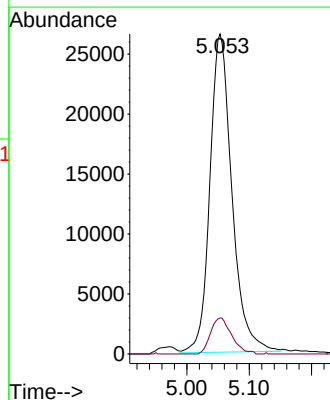
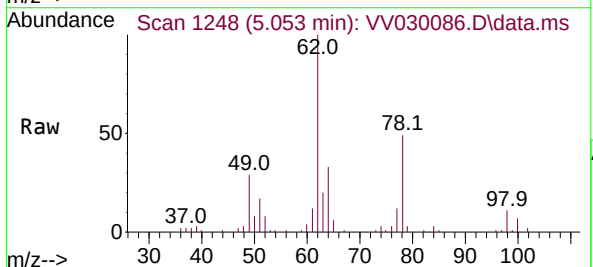
Acq: 23 Feb 2023 10:54

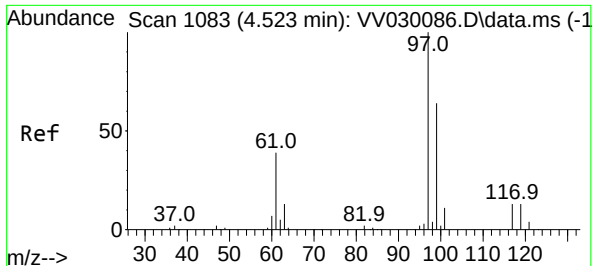
Tgt Ion: 62 Resp: 65088

Ion Ratio Lower Upper

62 100

98 11.2 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.104 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005224

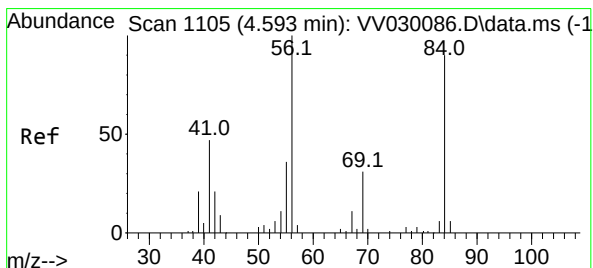
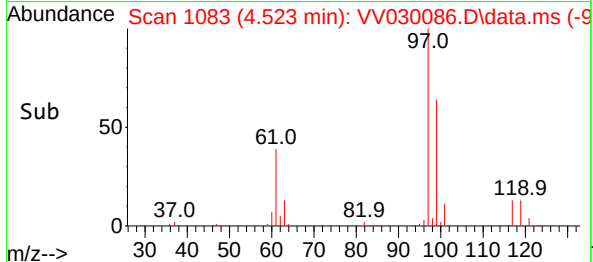
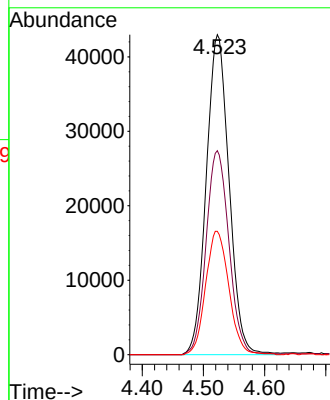
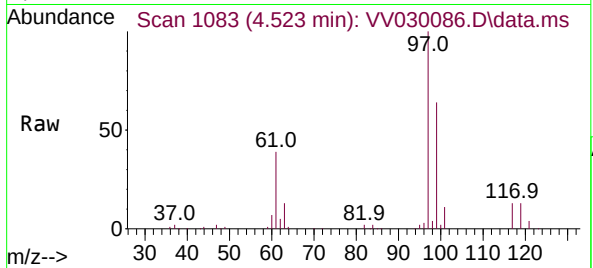
Tgt Ion: 97 Resp: 111294

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 39.4 31.5 47.3



#30

Cyclohexane

Concen: 5.106 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

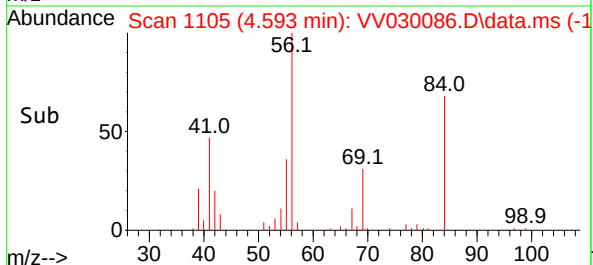
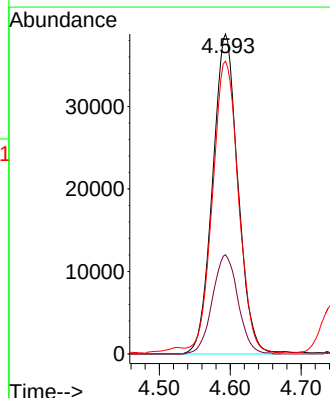
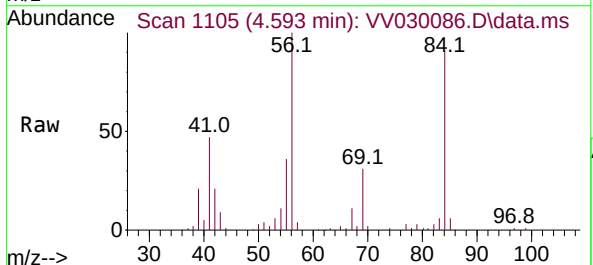
Tgt Ion: 56 Resp: 96187

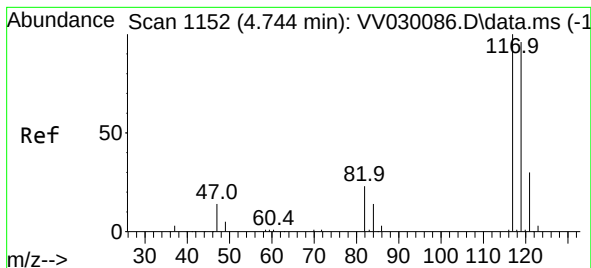
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 93.2 74.6 111.8





#31

Carbon tetrachloride

Concen: 5.115 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

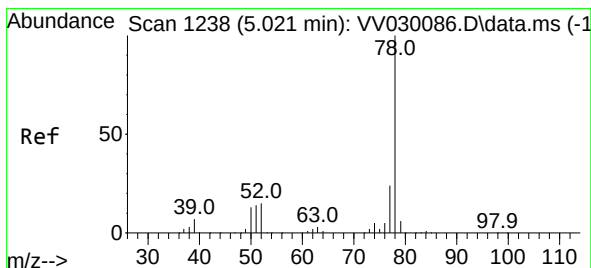
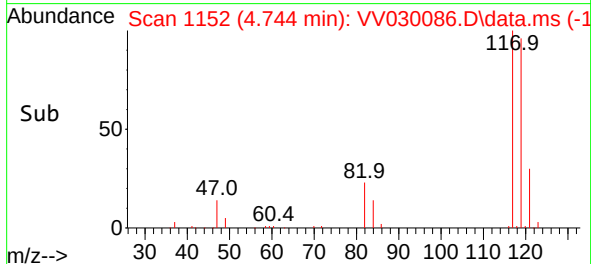
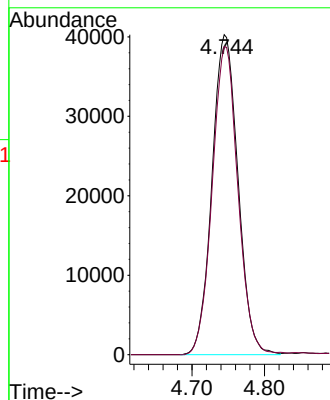
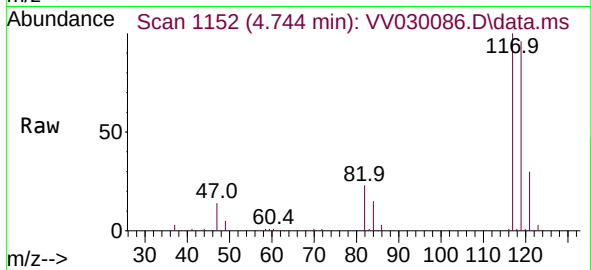
VSTD005224

Tgt Ion:117 Resp: 100240

Ion Ratio Lower Upper

117 100

119 95.1 76.1 114.1



#33

Benzene

Concen: 5.104 ug/L

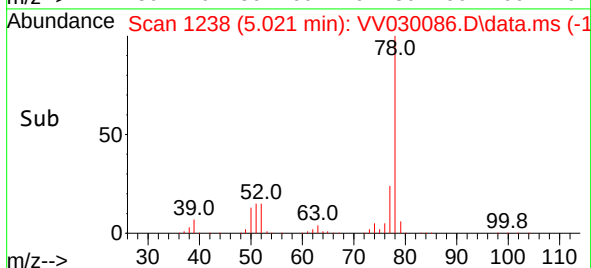
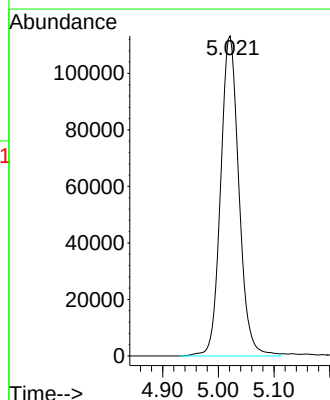
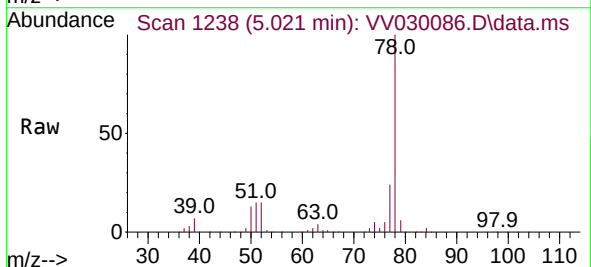
RT: 5.021 min Scan# 1238

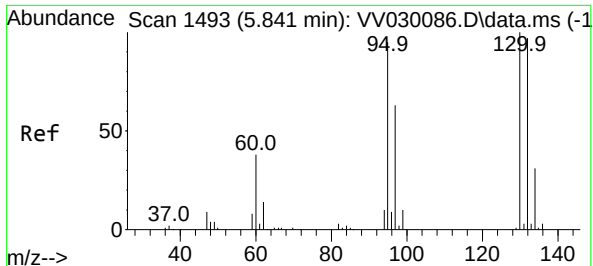
Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Tgt Ion: 78 Resp: 258740



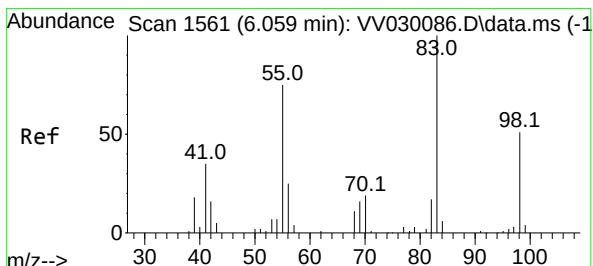
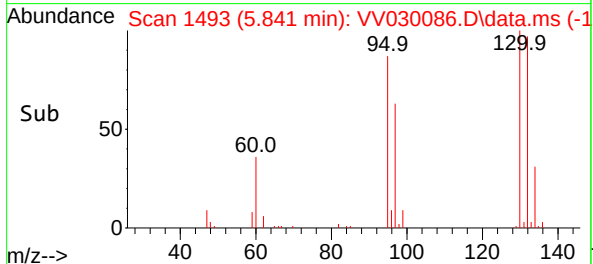
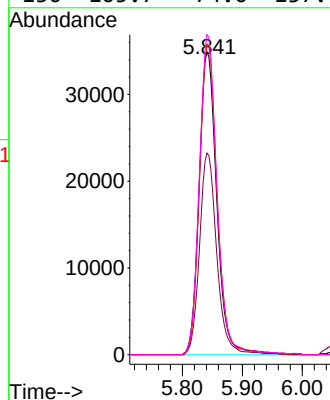
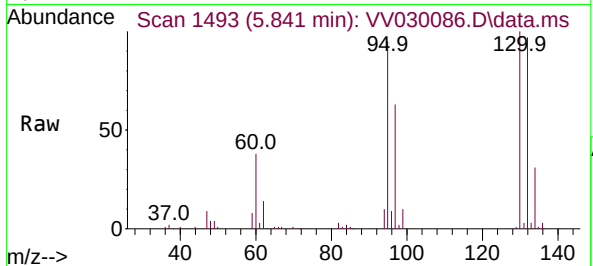


#34
Trichloroethene
Concen: 5.064 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

Tgt Ion: 95 Resp: 71924

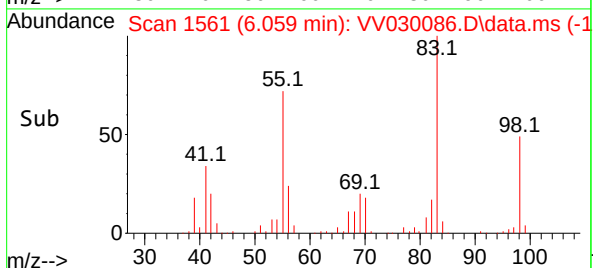
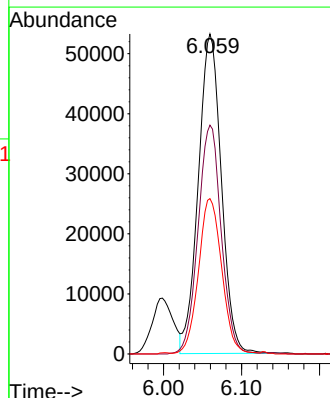
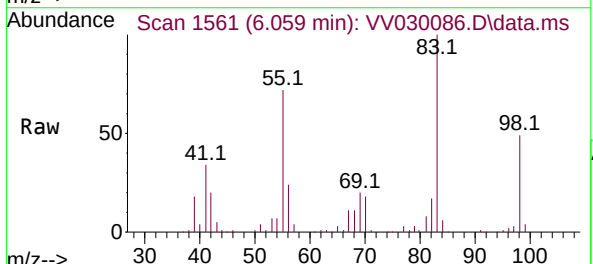
Ion	Ratio	Lower	Upper
95	100		
97	66.5	46.5	86.5
132	102.5	71.7	133.3
130	105.7	74.0	137.4

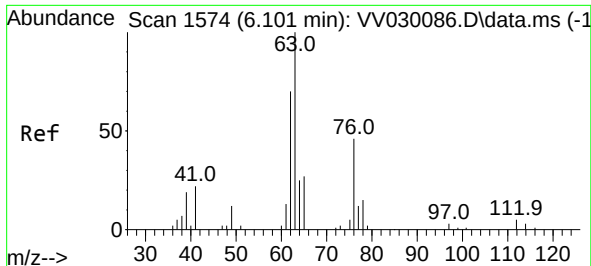


#35
Methylcyclohexane
Concen: 5.084 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion: 83 Resp: 109282

Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.6	86.4
98	48.5	38.8	58.2





#37

1,2-Dichloropropane

Concen: 5.029 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

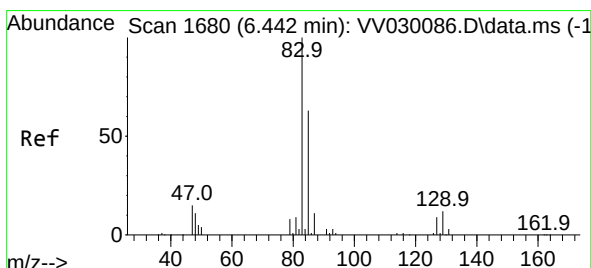
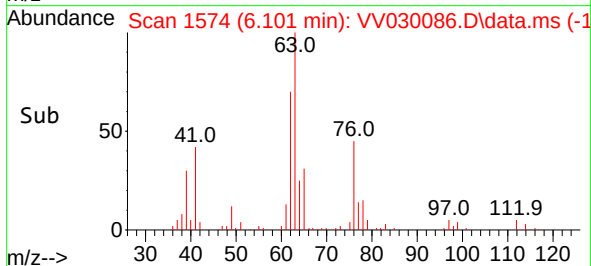
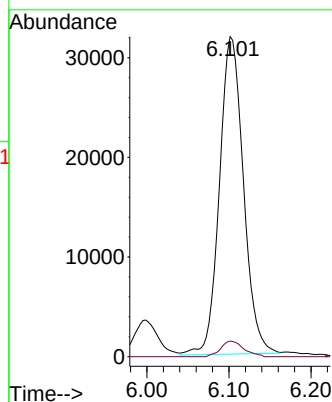
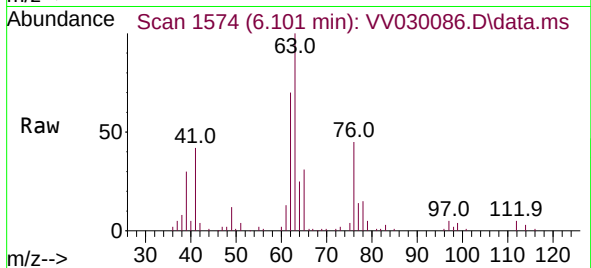
VSTD005224

Tgt Ion: 63 Resp: 64853

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 5.117 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

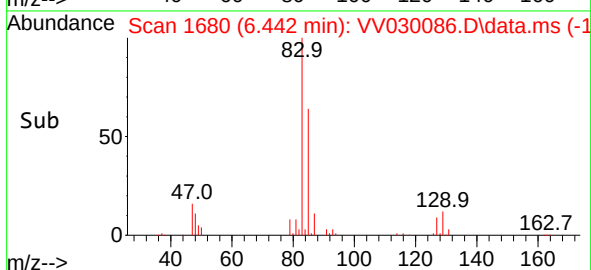
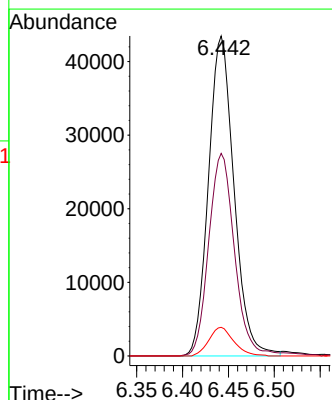
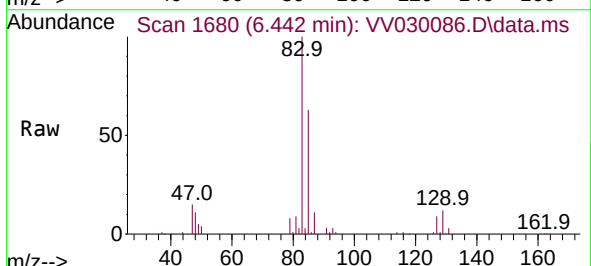
Tgt Ion: 83 Resp: 84241

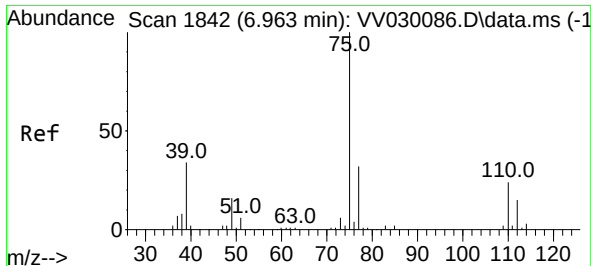
Ion Ratio Lower Upper

83 100

85 63.3 44.3 82.3

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.022 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

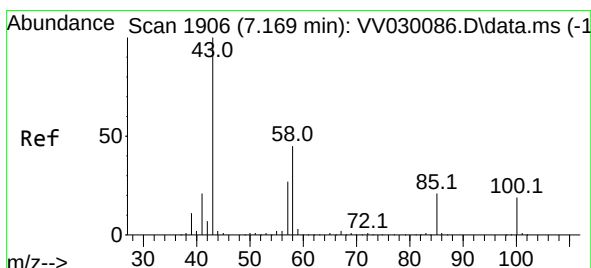
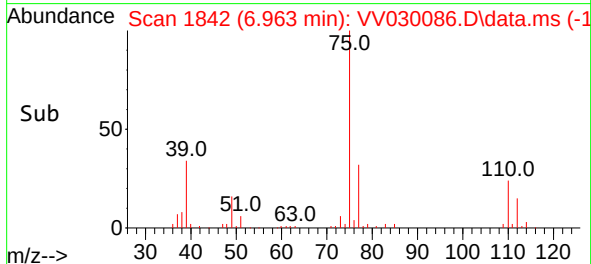
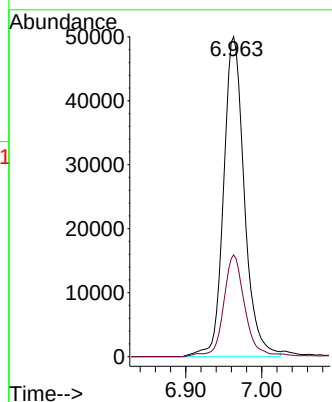
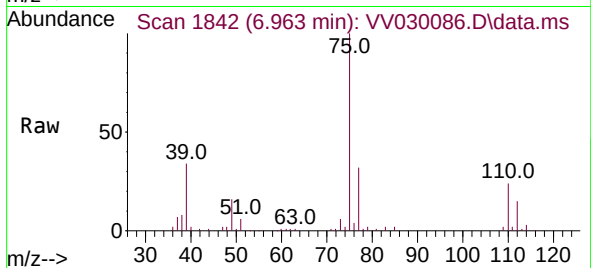
VSTD005224

Tgt Ion: 75 Resp: 94810

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 53.069 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

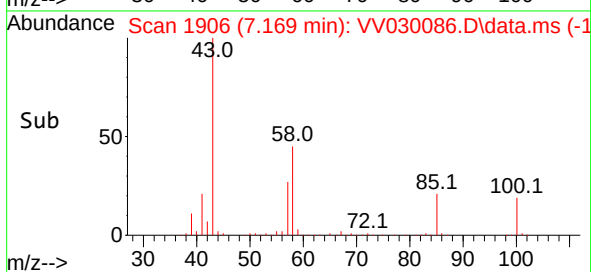
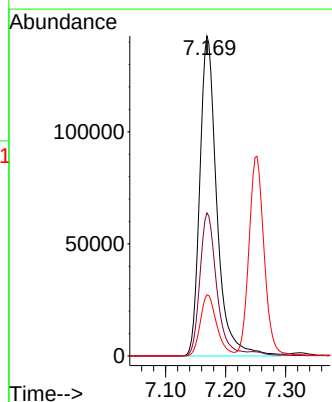
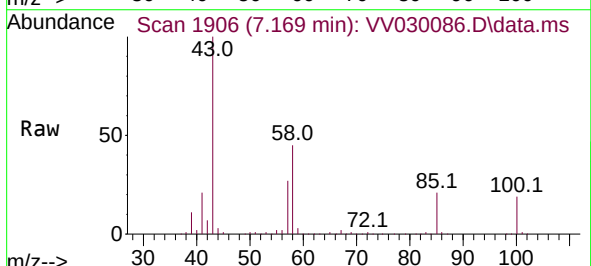
Tgt Ion: 43 Resp: 282408

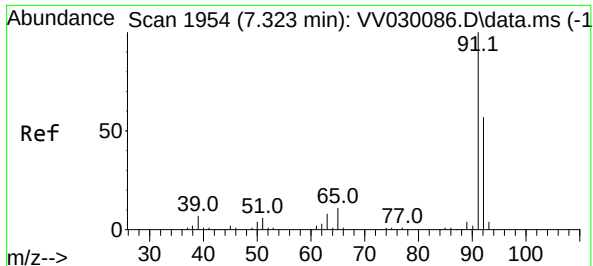
Ion Ratio Lower Upper

43 100

58 44.1 35.3 52.9

100 18.4 14.7 22.1





#42

Toluene

Concen: 5.266 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

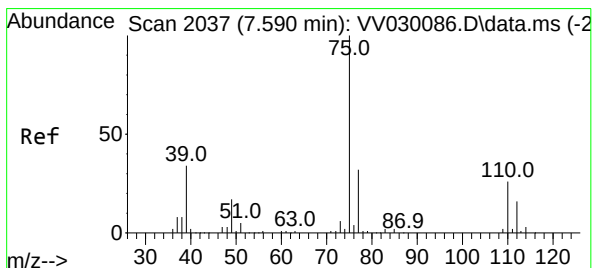
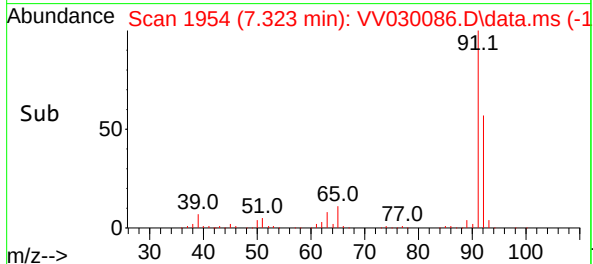
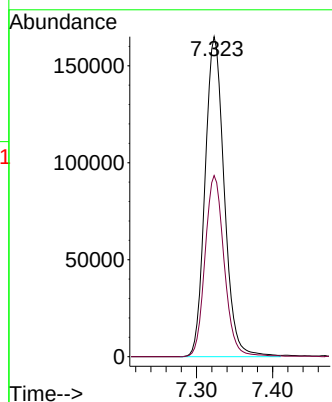
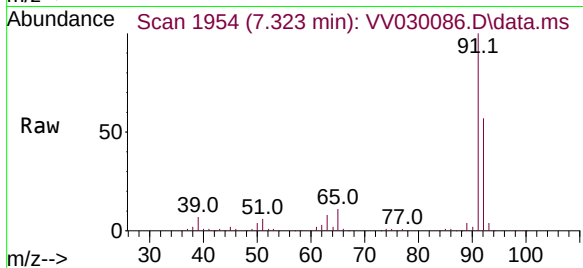
VSTD005224

Tgt Ion: 91 Resp: 289099

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.218 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030086.D

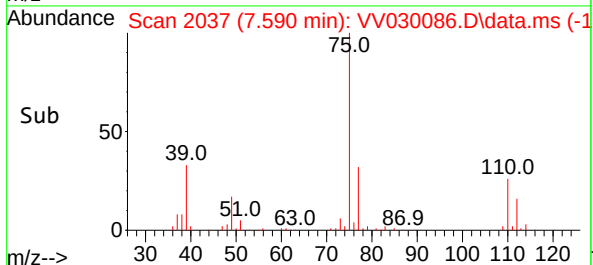
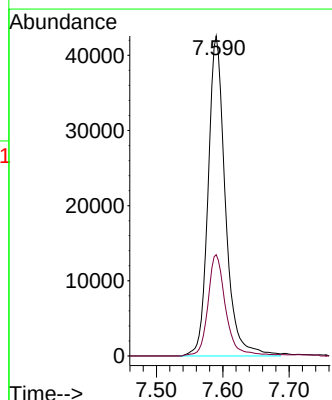
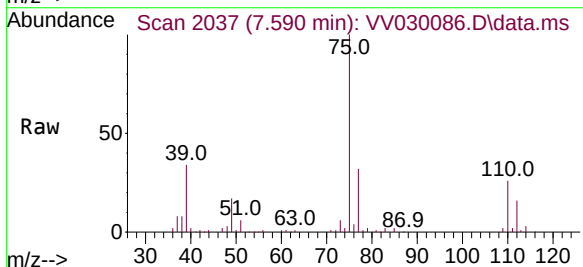
Acq: 23 Feb 2023 10:54

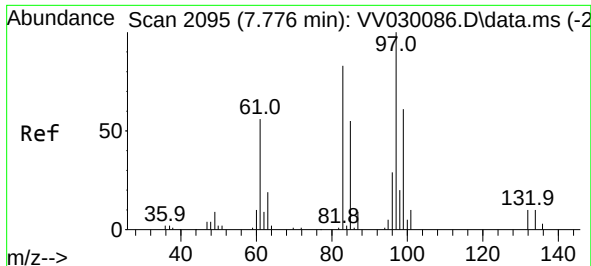
Tgt Ion: 75 Resp: 76905

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

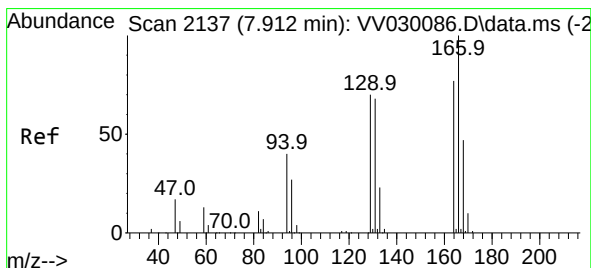
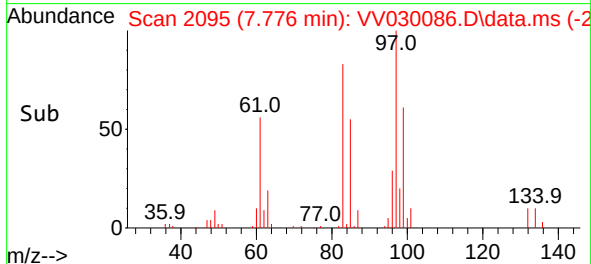
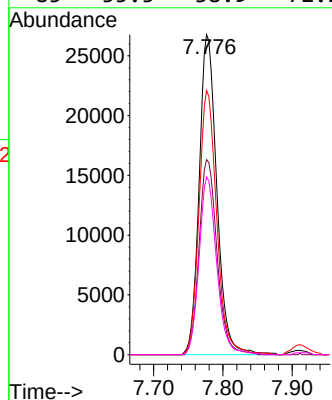
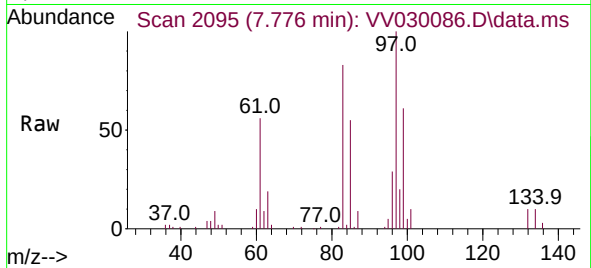




#45
1,1,2-Trichloroethane
Concen: 5.155 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

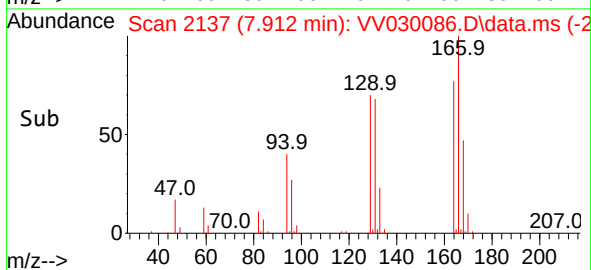
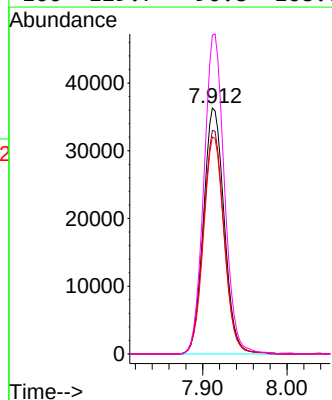
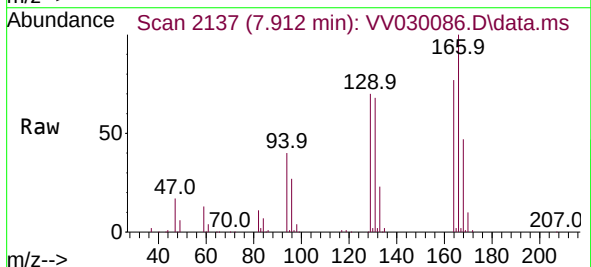
Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

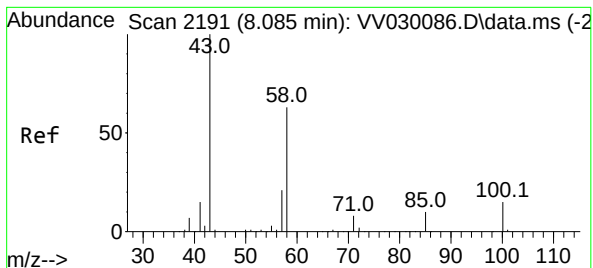
Tgt Ion: 97	Resp: 47572
Ion Ratio	Lower Upper
97 100	
99 60.9	42.6 79.2
83 82.5	57.7 107.3
85 55.5	38.9 72.2



#47
Tetrachloroethene
Concen: 5.113 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion:164	Resp: 62340
Ion Ratio	Lower Upper
164 100	
129 90.9	63.6 118.2
131 88.2	61.7 114.7
166 129.7	90.8 168.6





#48

2-Hexanone

Concen: 54.736 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005224

Tgt Ion: 43 Resp: 205171

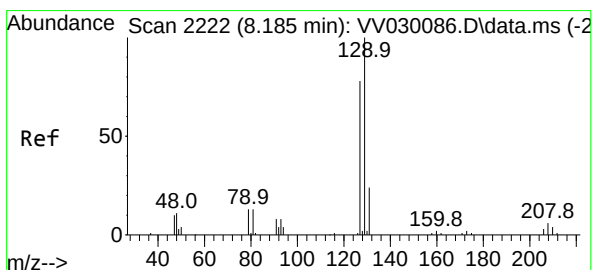
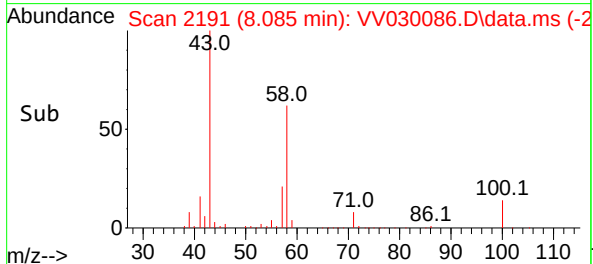
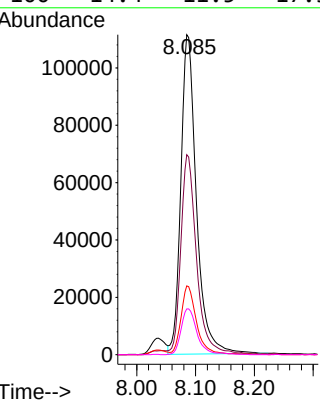
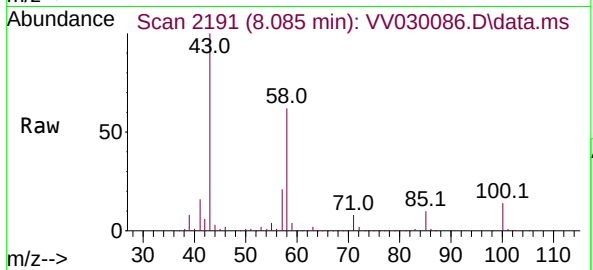
Ion Ratio Lower Upper

43 100

58 62.3 49.8 74.8

57 20.7 16.6 24.8

100 14.4 11.5 17.3



#49

Dibromochloromethane

Concen: 5.179 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030086.D

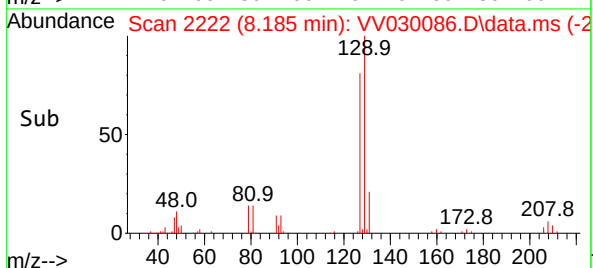
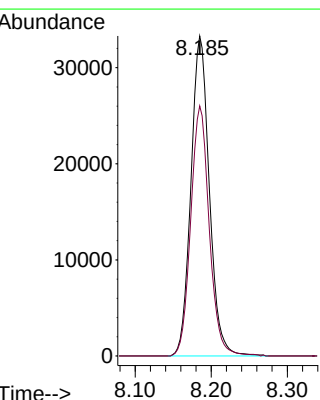
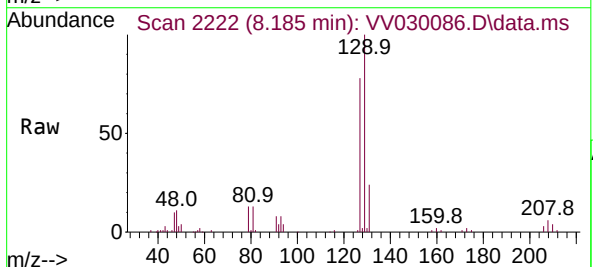
Acq: 23 Feb 2023 10:54

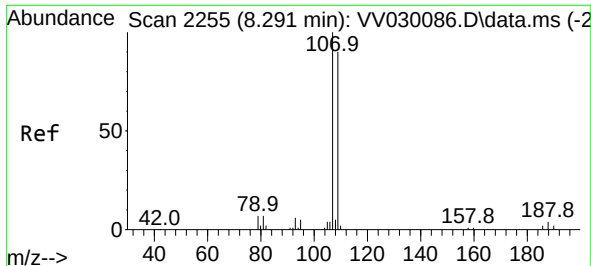
Tgt Ion: 129 Resp: 55926

Ion Ratio Lower Upper

129 100

127 78.1 54.7 101.5





#50

1,2-Dibromoethane

Concen: 5.240 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005224

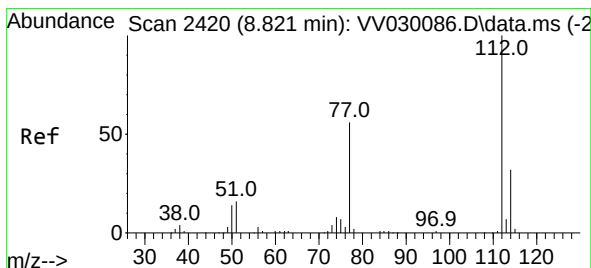
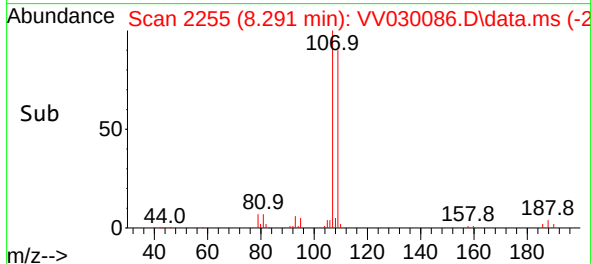
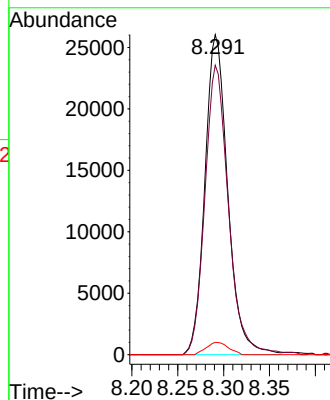
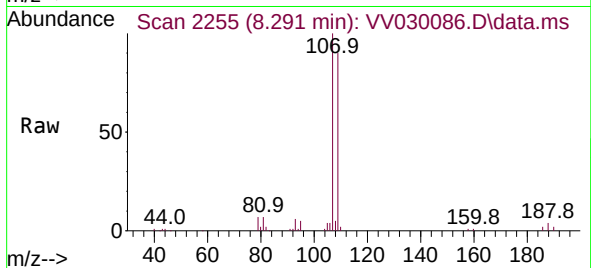
Tgt Ion:107 Resp: 45112

Ion Ratio Lower Upper

107 100

109 90.5 63.3 117.7

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 5.109 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

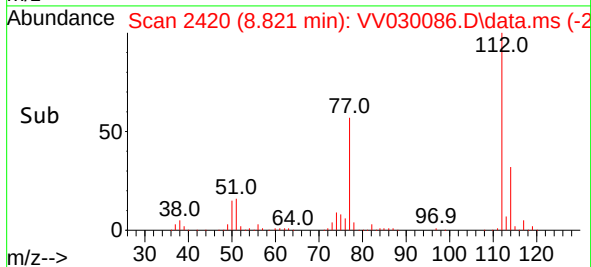
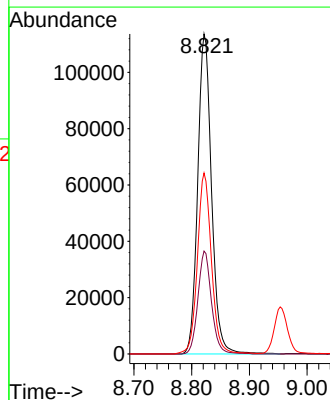
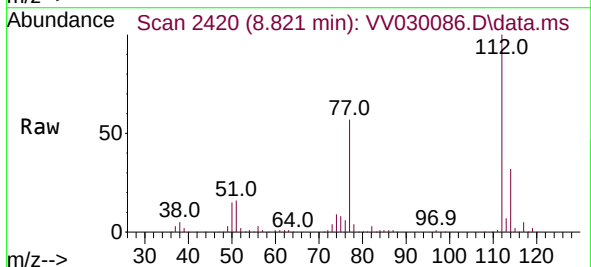
Tgt Ion:112 Resp: 189184

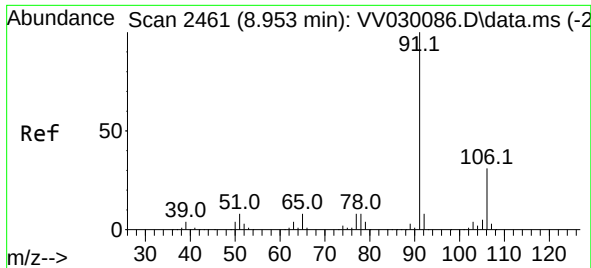
Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 56.6 45.3 67.9

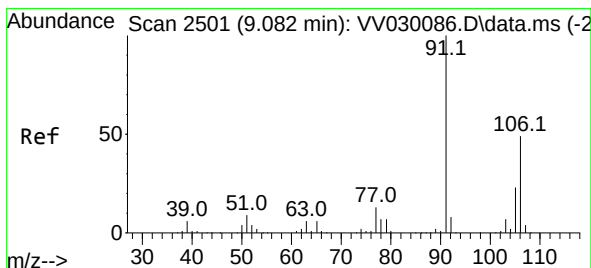
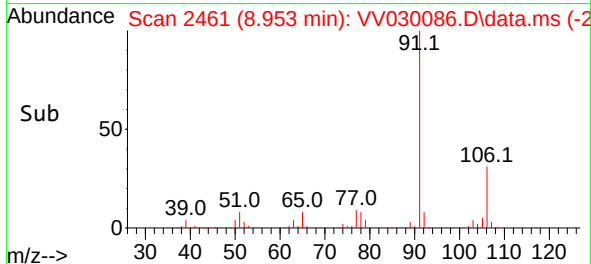
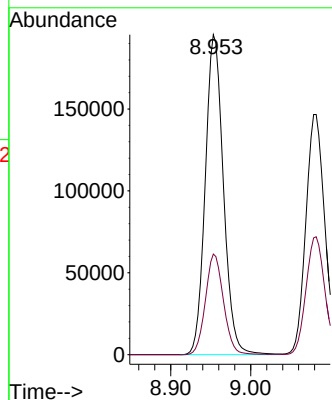
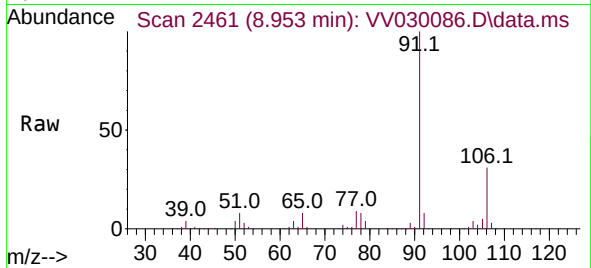




#52
Ethylbenzene
Concen: 5.175 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

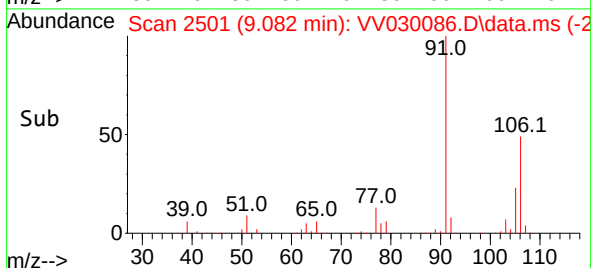
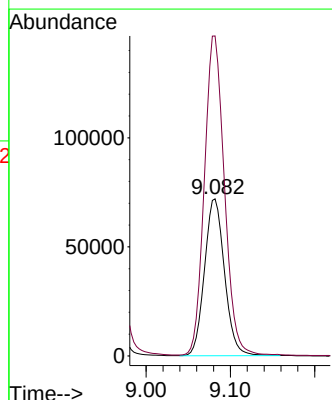
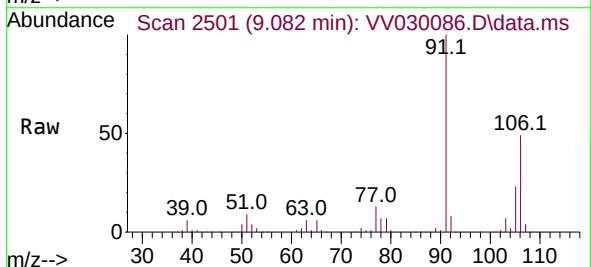
Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

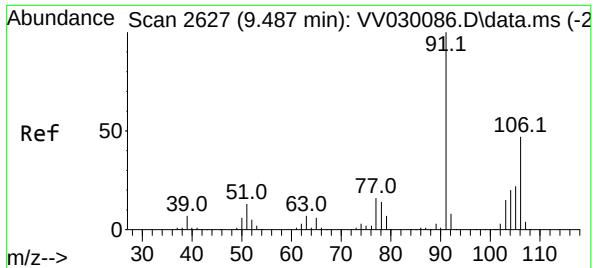
Tgt Ion: 91 Resp: 309218
Ion Ratio Lower Upper
91 100
106 31.4 22.0 40.8



#53
m,p-Xylene
Concen: 5.185 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion: 106 Resp: 119057
Ion Ratio Lower Upper
106 100
91 203.6 142.5 264.7

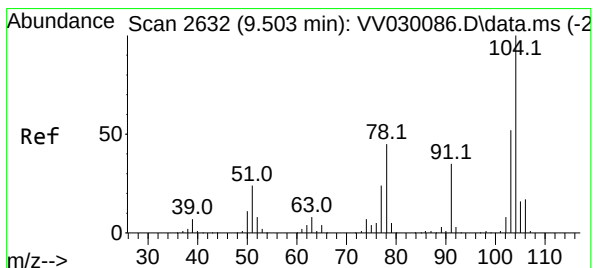
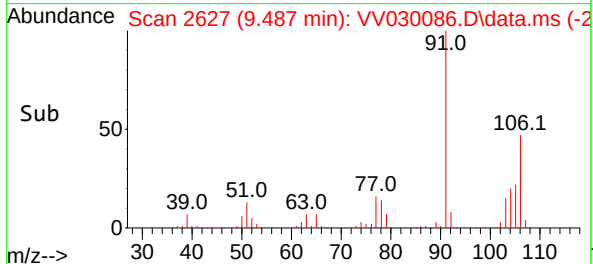
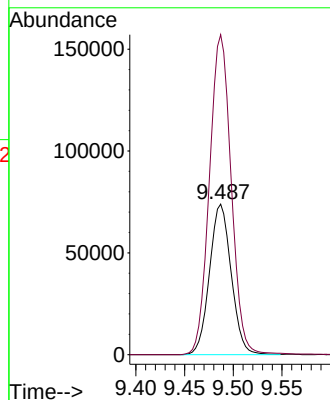
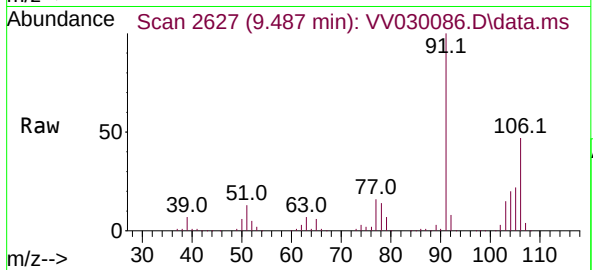




#54
o-Xylene
Concen: 5.224 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

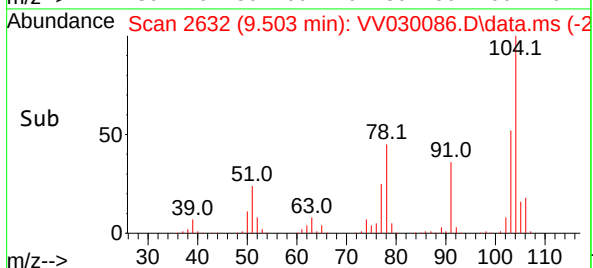
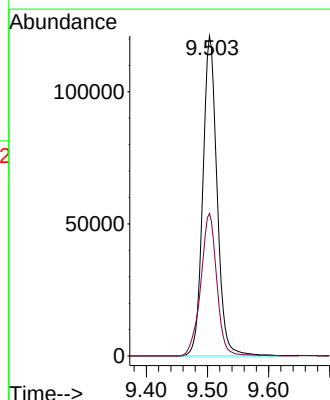
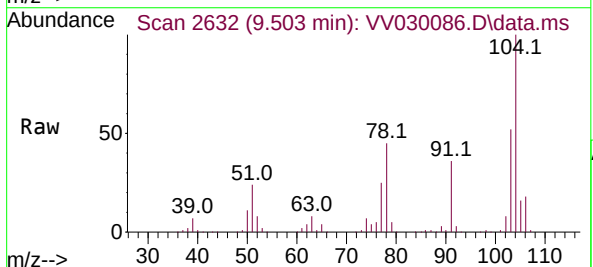
Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

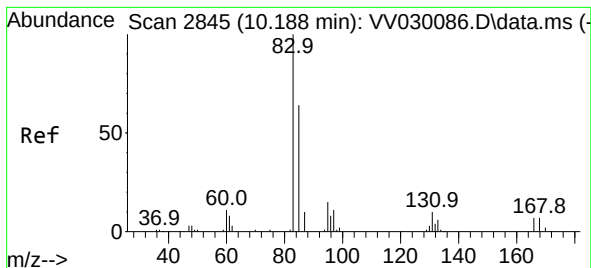
Tgt Ion:106 Resp: 114599
Ion Ratio Lower Upper
106 100
91 212.6 148.8 276.4



#55
Styrene
Concen: 5.380 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion:104 Resp: 196247
Ion Ratio Lower Upper
104 100
78 44.5 31.1 57.9

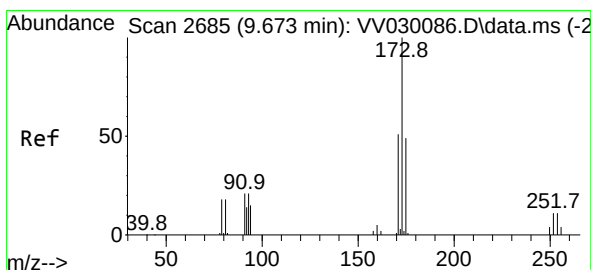
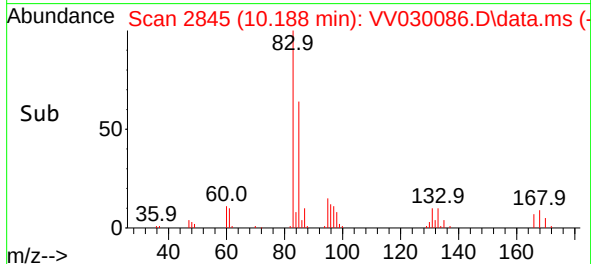
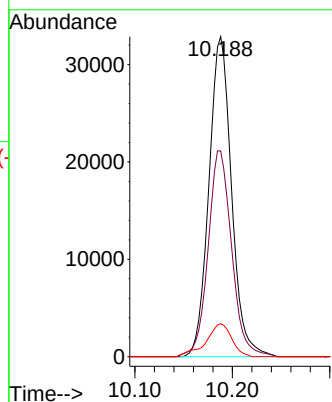
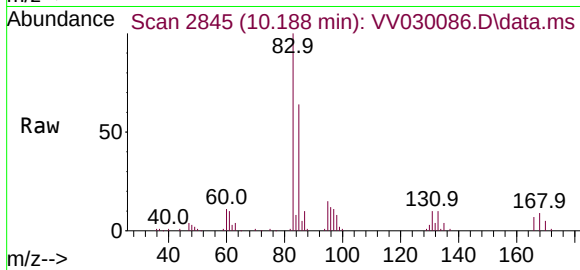




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.135 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

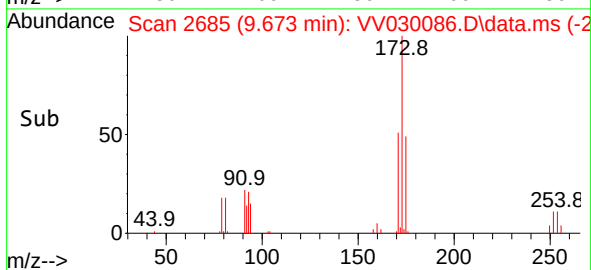
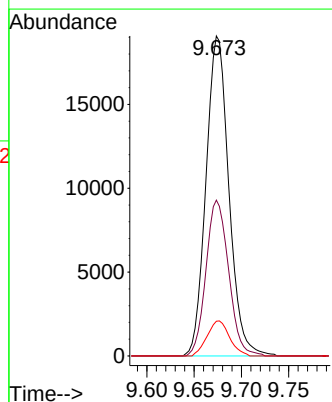
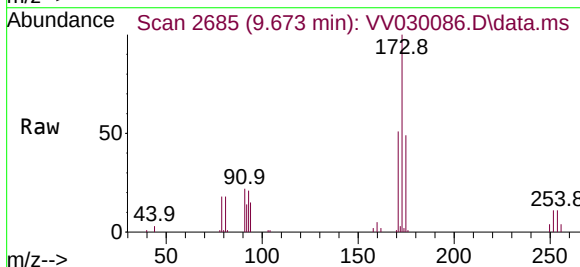
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005224

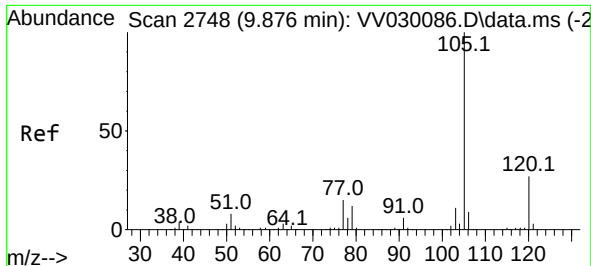
Tgt Ion: 83 Resp: 53007
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.0 83.6
 131 10.3 8.2 12.4



#59
 Bromoform
 Concen: 5.064 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Tgt Ion: 173 Resp: 32151
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.5 57.7
 254 10.8 8.6 13.0

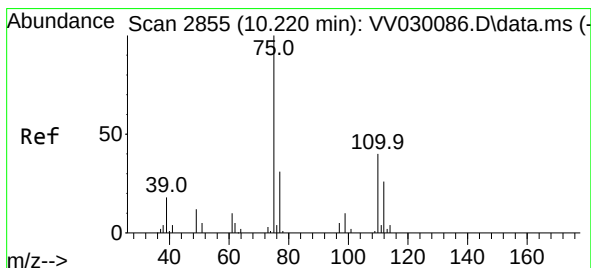
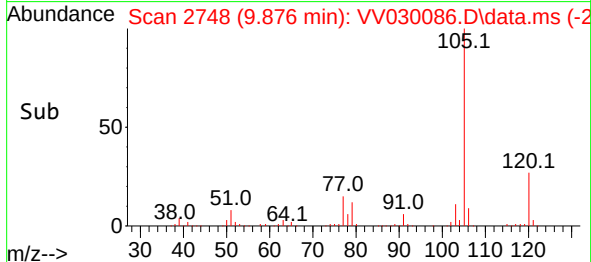
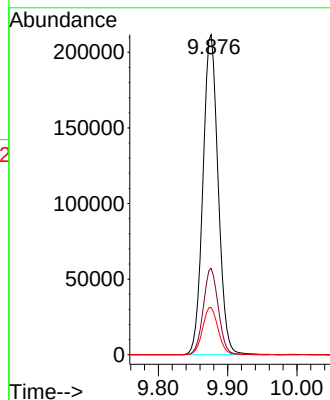
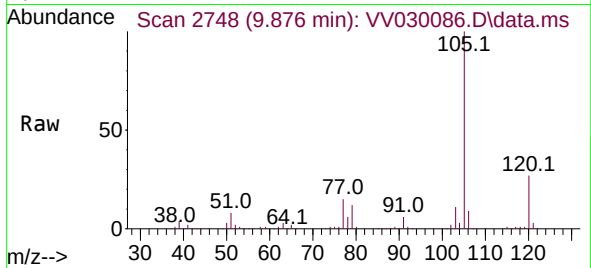




#60
Isopropylbenzene
Concen: 5.278 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

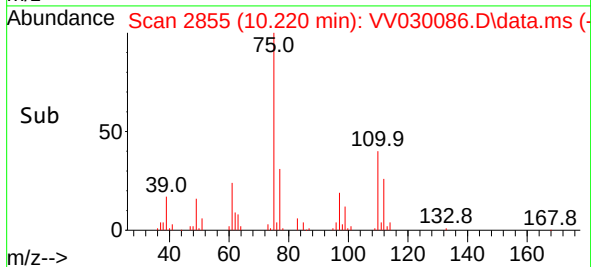
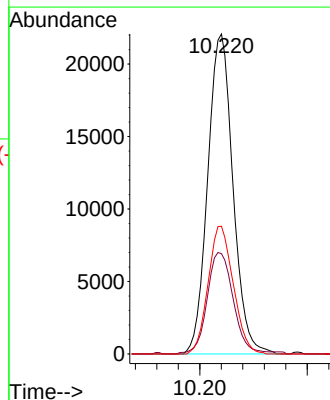
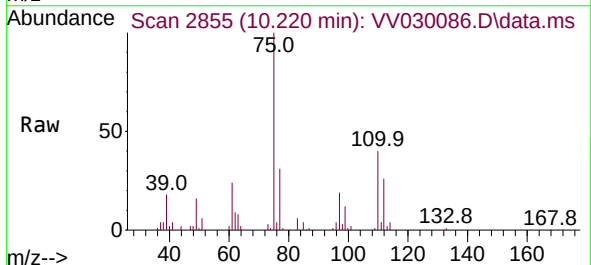
Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

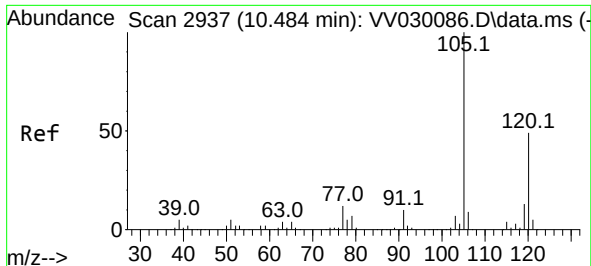
Tgt Ion:105 Resp: 321701
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 15.1 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.077 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion: 75 Resp: 35990
Ion Ratio Lower Upper
75 100
77 33.1 26.5 39.7
110 39.7 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.190 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

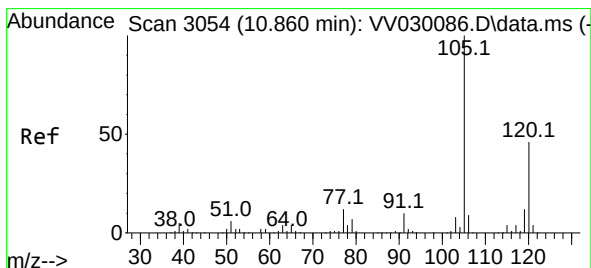
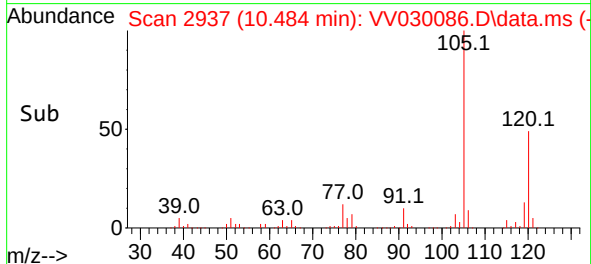
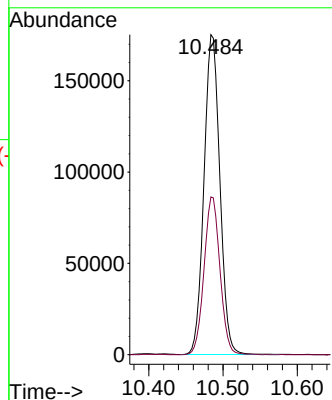
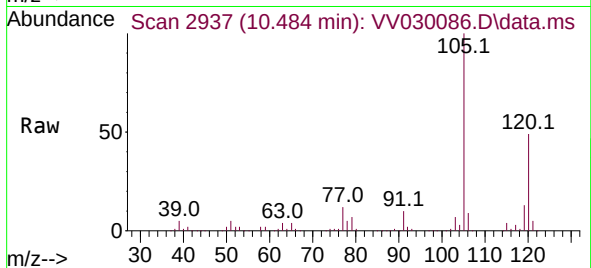
VSTD005224

Tgt Ion:105 Resp: 259807

Ion Ratio Lower Upper

105 100

120 49.5 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 5.302 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030086.D

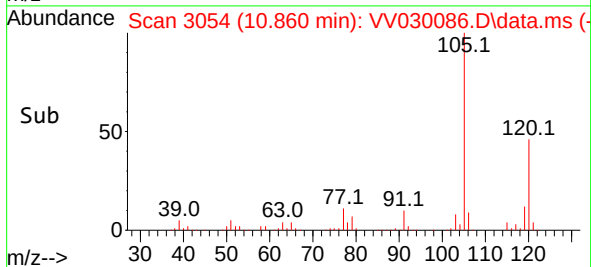
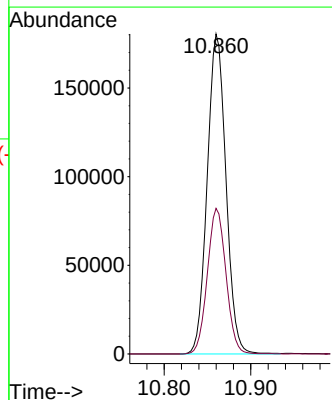
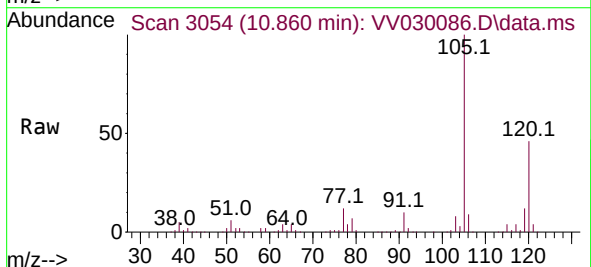
Acq: 23 Feb 2023 10:54

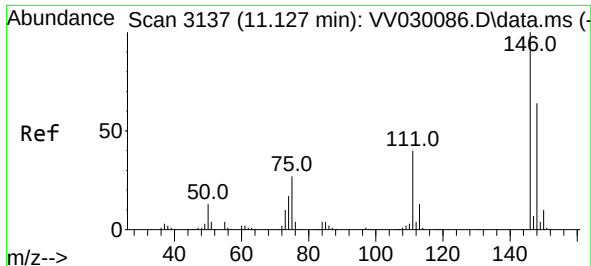
Tgt Ion:105 Resp: 271531

Ion Ratio Lower Upper

105 100

120 45.3 36.2 54.4

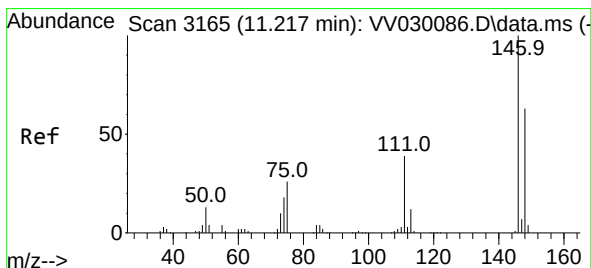
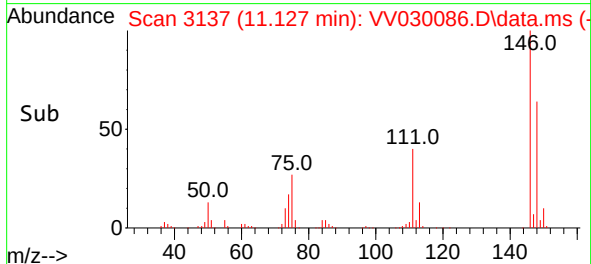
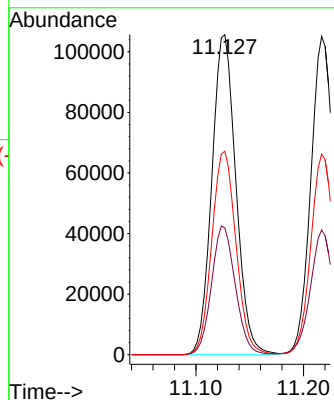
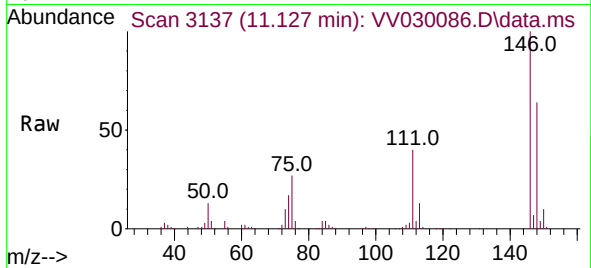




#64
1,3-Dichlorobenzene
Concen: 5.178 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

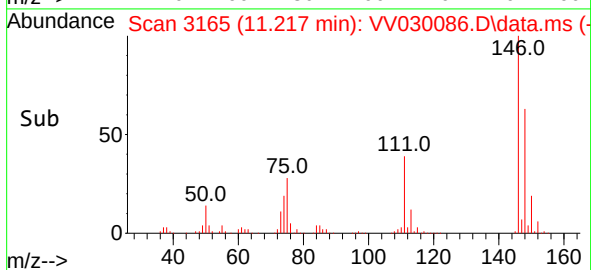
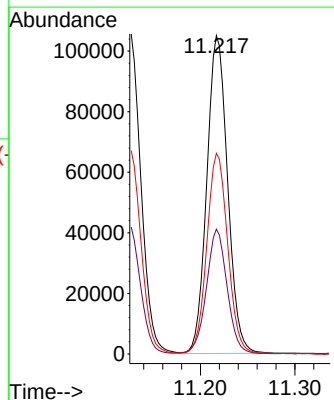
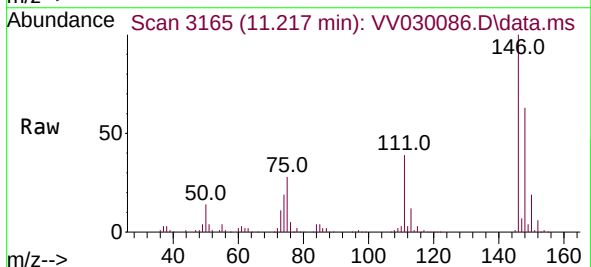
Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

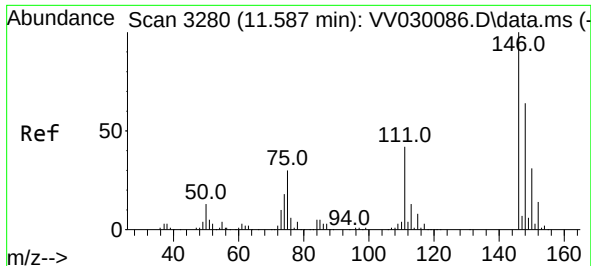
Tgt Ion:146 Resp: 164326
Ion Ratio Lower Upper
146 100
111 39.6 27.7 51.5
148 63.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.009 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion:146 Resp: 160386
Ion Ratio Lower Upper
146 100
111 39.2 27.4 51.0
148 63.0 44.1 81.9

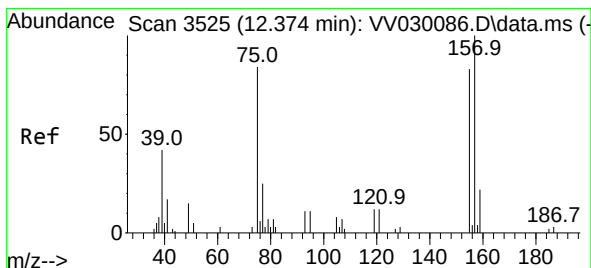
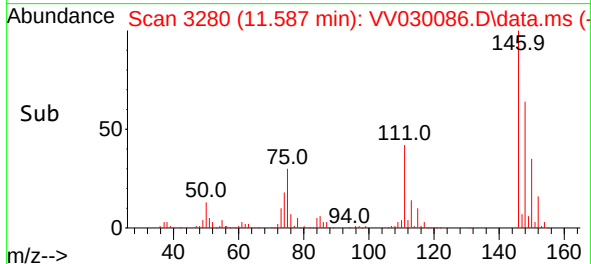
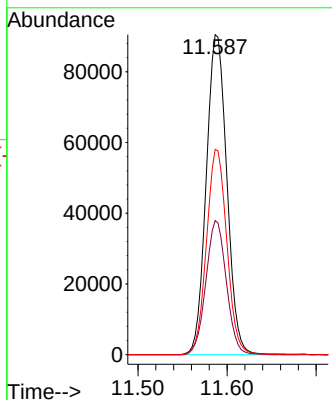
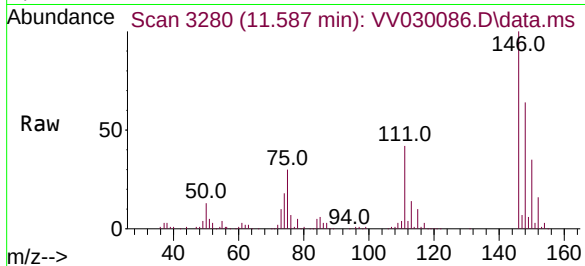




#67
1,2-Dichlorobenzene
Concen: 5.173 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

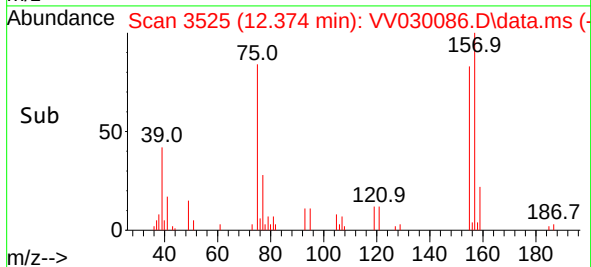
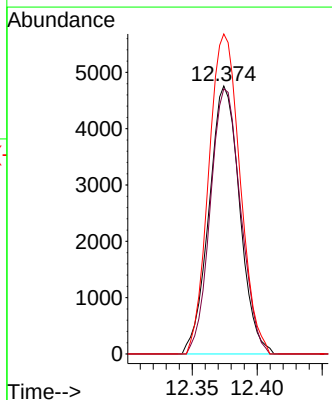
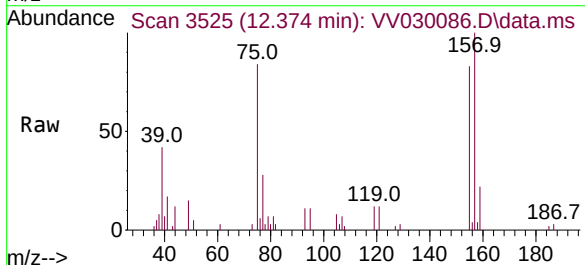
Instrument :
MSVOA_V
ClientSampleId :
VSTD005224

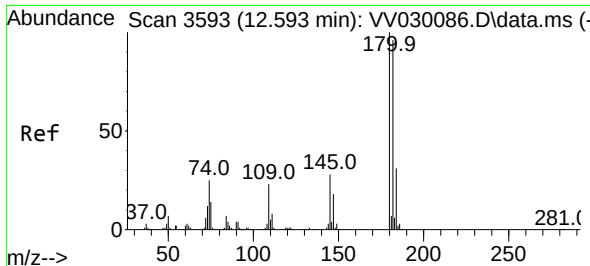
Tgt Ion:146 Resp: 144940
Ion Ratio Lower Upper
146 100
111 41.9 33.5 50.3
148 64.1 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 4.935 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030086.D
Acq: 23 Feb 2023 10:54

Tgt Ion: 75 Resp: 7814
Ion Ratio Lower Upper
75 100
155 98.9 79.1 118.7
157 119.4 95.5 143.3



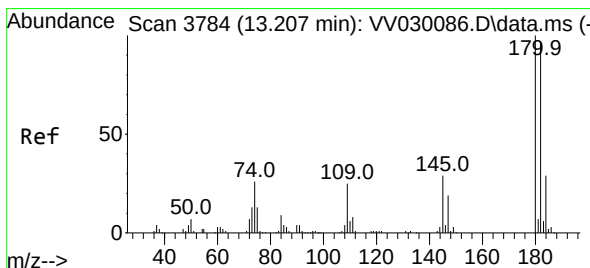
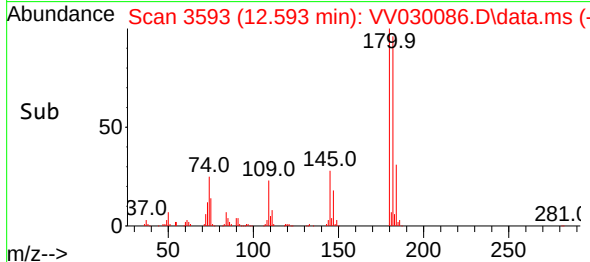
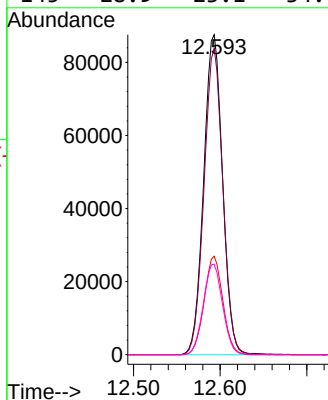
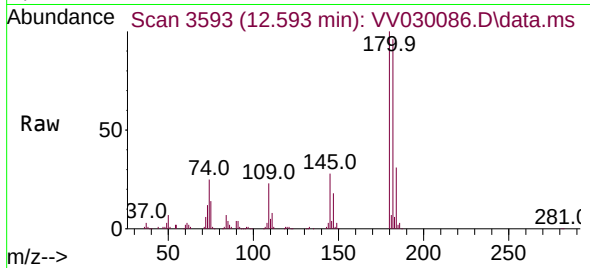


#69
 1,3,5-Trichlorobenzene
 Concen: 5.077 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005224

Tgt Ion:180 Resp: 132447

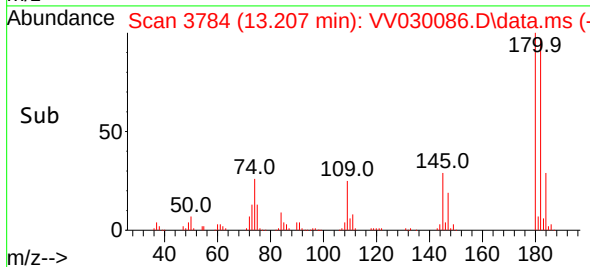
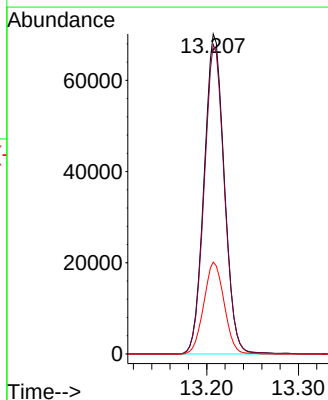
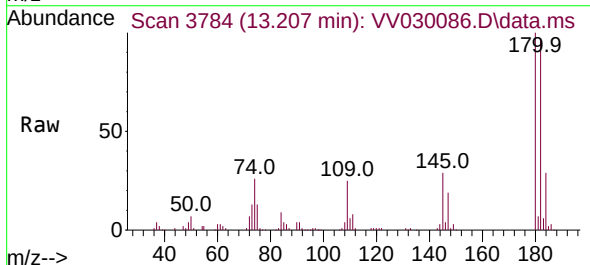
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.4	24.3	36.5
145	28.9	23.1	34.7

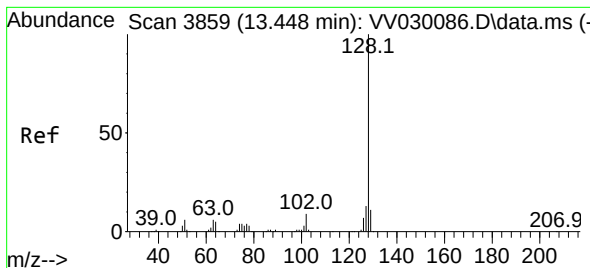


#70
 1,2,4-trichlorobenzene
 Concen: 5.070 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030086.D
 Acq: 23 Feb 2023 10:54

Tgt Ion:180 Resp: 107139

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	28.9	23.1	34.7





#71

Naphthalene

Concen: 4.995 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD005224

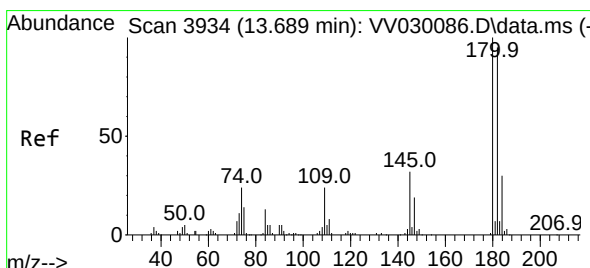
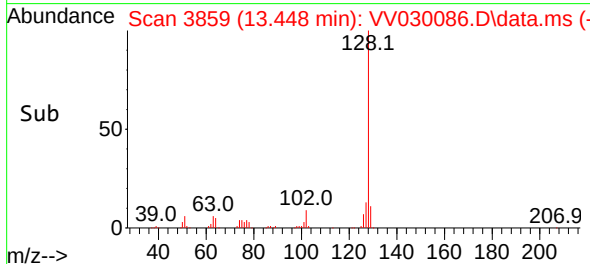
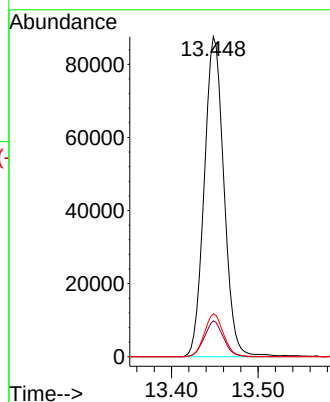
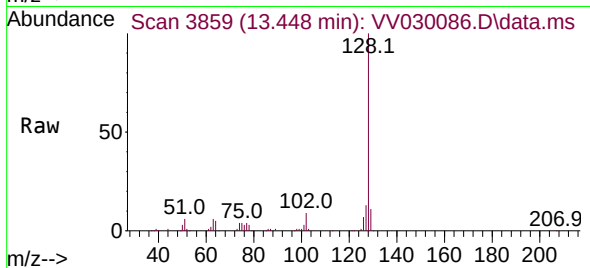
Tgt Ion:128 Resp: 137940

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.0 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.160 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030086.D

Acq: 23 Feb 2023 10:54

Tgt Ion:180 Resp: 89761

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.4 25.1 37.7

