

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031323\
 Data File : VW030171.D
 Acq On : 13 Mar 2023 12:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005298

Quant Time: Mar 14 03:42:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 11 00:01:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	196183	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	191986	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	113166	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	68314	5.382	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.600%
7) Chloroethane-d5	1.536	69	56940	4.779	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.600%
11) 1,1-Dichloroethene-d2	2.066	63	126423	4.844	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.800%
20) 2-Butanone-d5	3.818	46	101628	43.423	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.840%
24) Chloroform-d	4.259	84	121297	4.678	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	4.953	65	48733	4.604	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.000%
32) Benzene-d6	4.969	84	233089	4.512	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	5.995	67	68968	4.438	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.800%
41) Toluene-d8	7.249	98	230819	4.714	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
43) trans-1,3-Dichloroprop...	7.558	79	25336	4.765	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.200%
46) 2-Hexanone-d5	8.034	63	93009	42.281	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.560%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	50585	4.575	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	82145	4.290	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	70938	4.444	ug/L	98
3) Chloromethane	1.217	50	99378	3.951	ug/L	99
5) Vinyl chloride	1.285	62	74012	4.428	ug/L	100
6) Bromomethane	1.490	94	15129	5.042	ug/L	96
8) Chloroethane	1.555	64	46485	4.564	ug/L	100
9) Trichlorofluoromethane	1.719	101	114835	4.788	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	72283	4.860	ug/L	100
12) 1,1-Dichloroethene	2.072	96	62199	4.724	ug/L	88
13) Acetone	2.153	43	80427	46.495	ug/L #	47
14) Carbon disulfide	2.246	76	142123	4.034	ug/L	99
15) Methyl Acetate	2.391	43	16172	4.003	ug/L	94
16) Methylene chloride	2.452	84	69170	4.300	ug/L	98
17) Methyl tert-butyl Ether	2.709	73	116943	4.542	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	55671	4.445	ug/L	100
19) 1,1-Dichloroethane	3.117	63	110533	4.738	ug/L	100
21) 2-Butanone	3.902	43	110334	47.427	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	63233	4.568	ug/L	97
23) Bromochloromethane	4.159	128	29266	4.947	ug/L	97
25) Chloroform	4.288	83	118734	4.892	ug/L	98

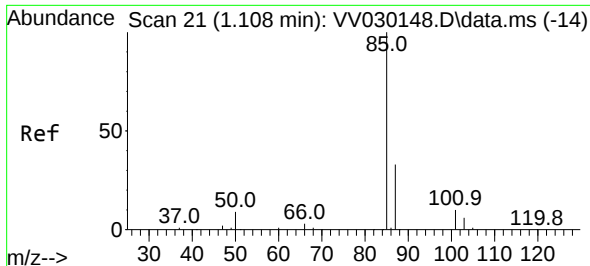
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	59573	4.693	ug/L	98
29) 1,1,1-Trichloroethane	4.523	97	106267	4.712	ug/L	99
30) Cyclohexane	4.593	56	77877	3.996	ug/L	99
31) Carbon tetrachloride	4.744	117	97031	4.787	ug/L	99
33) Benzene	5.018	78	236954	4.519	ug/L	100
34) Trichloroethene	5.841	95	64865	4.415	ug/L	97
35) Methylcyclohexane	6.059	83	93399	4.200	ug/L	99
37) 1,2-Dichloropropane	6.101	63	61803	4.633	ug/L	99
38) Bromodichloromethane	6.439	83	84770	4.978	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	88123	4.513	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	260033	47.241	ug/L	99
42) Toluene	7.323	91	266189	4.687	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	72967	4.787	ug/L	96
45) 1,1,2-Trichloroethane	7.776	97	45344	4.751	ug/L	98
47) Tetrachloroethene	7.911	164	58516	4.640	ug/L	98
48) 2-Hexanone	8.085	43	193662	49.146	ug/L	99
49) Dibromochloromethane	8.185	129	57157	5.118	ug/L	99
50) 1,2-Dibromoethane	8.291	107	41988	4.715	ug/L	99
51) Chlorobenzene	8.821	112	179251	4.680	ug/L	98
52) Ethylbenzene	8.953	91	285405	4.618	ug/L	99
53) m,p-Xylene	9.082	106	110816	4.665	ug/L	99
54) o-Xylene	9.487	106	106314	4.686	ug/L	99
55) Styrene	9.503	104	188302	4.991	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.188	83	52797	4.945	ug/L	100
59) Bromoform	9.673	173	33318	4.912	ug/L	99
60) Isopropylbenzene	9.876	105	296994	4.561	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	34511	4.556	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	241262	4.511	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	254097	4.644	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	161989	4.778	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	155704	4.552	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	138990	4.643	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	7606	4.496	ug/L	96
69) 1,3,5-Trichlorobenzene	12.593	180	121684	4.366	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	95381	4.224	ug/L	98
71) Naphthalene	13.448	128	122318	4.146	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	80764	4.345	ug/L	100

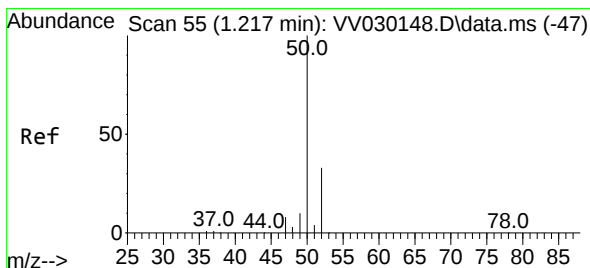
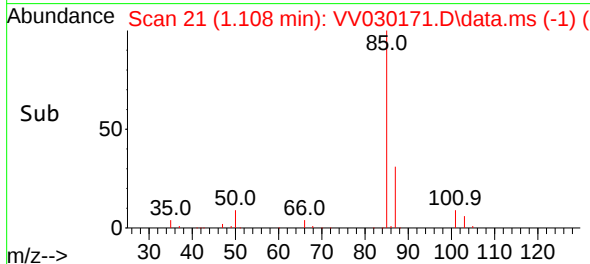
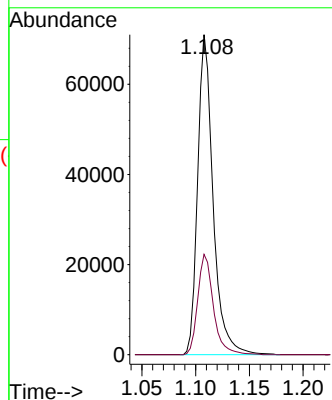
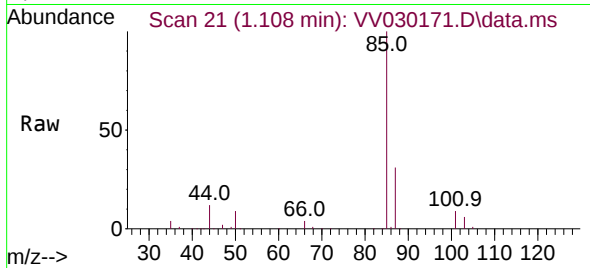
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 4.444 ug/L
RT: 1.108 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

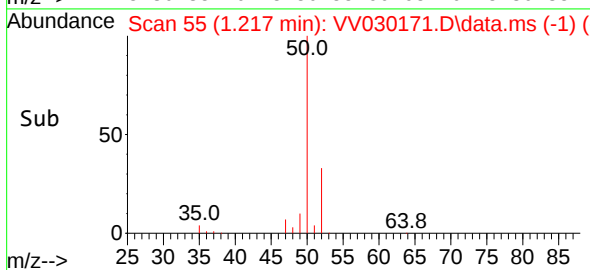
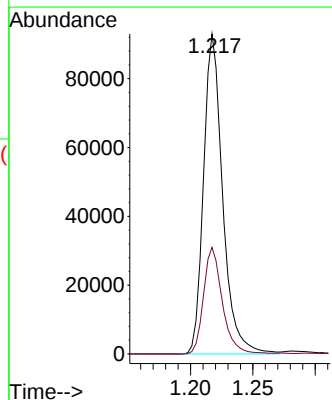
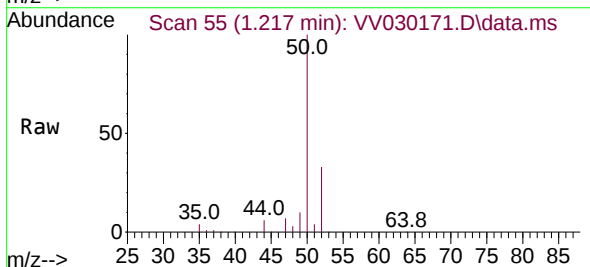
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MSVOA_V
ClientSampleId :
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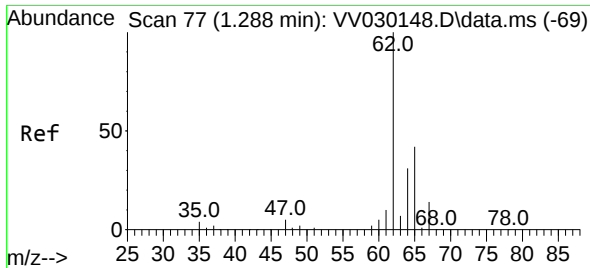
Tgt Ion: 85 Resp: 70938
Ion Ratio Lower Upper
85 100
87 31.8 26.6 39.8



#3
Chloromethane
Concen: 3.951 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion: 50 Resp: 99378
Ion Ratio Lower Upper
50 100
52 33.3 23.6 43.8

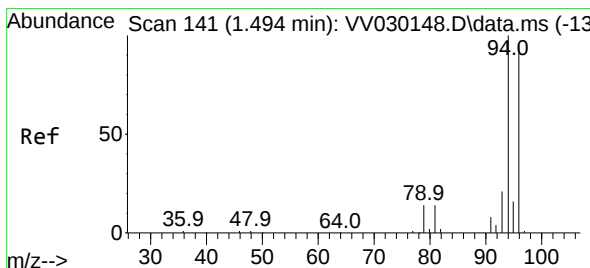
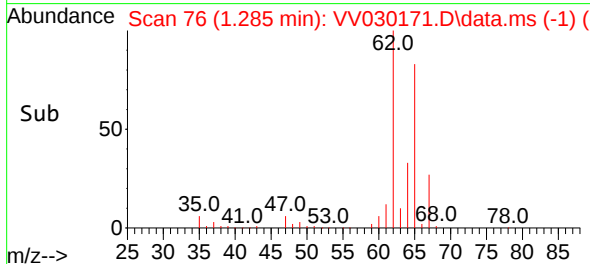
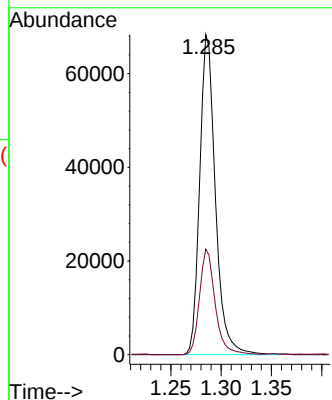
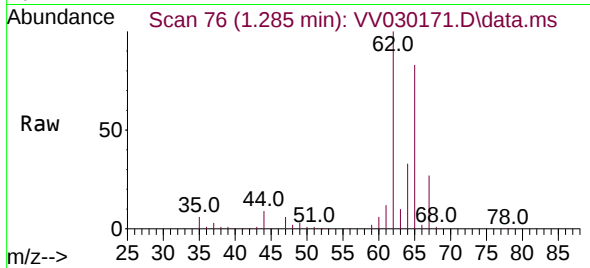




#5
 Vinyl chloride
 Concen: 4.428 ug/L
 RT: 1.285 min Scan# 77
 Delta R.T. -0.003 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

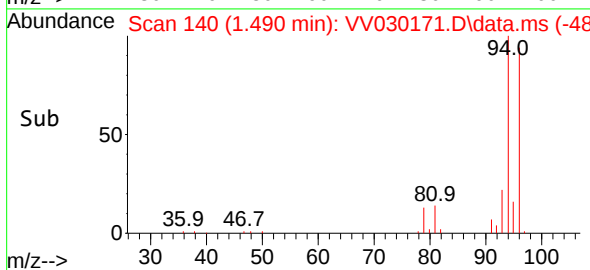
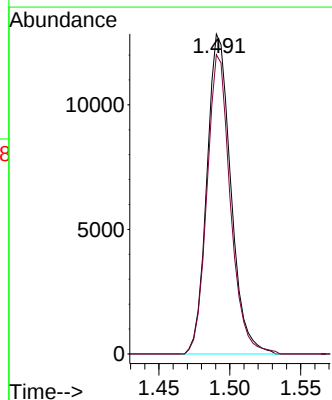
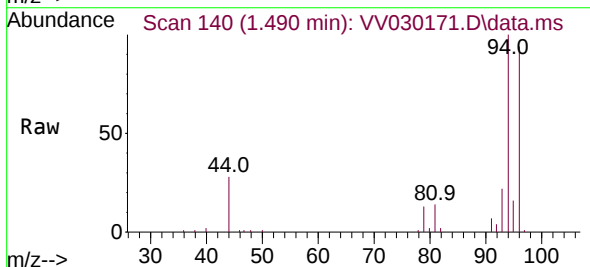
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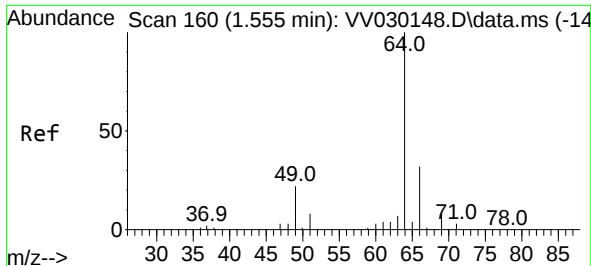
Tgt Ion: 62 Resp: 74012
 Ion Ratio Lower Upper
 62 100
 64 33.0 23.1 42.9



#6
 Bromomethane
 Concen: 5.042 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

Tgt Ion: 94 Resp: 15129
 Ion Ratio Lower Upper
 94 100
 96 93.6 68.4 127.0

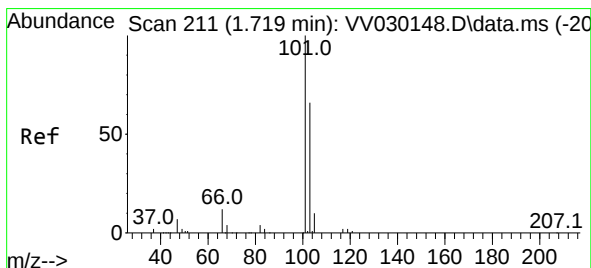
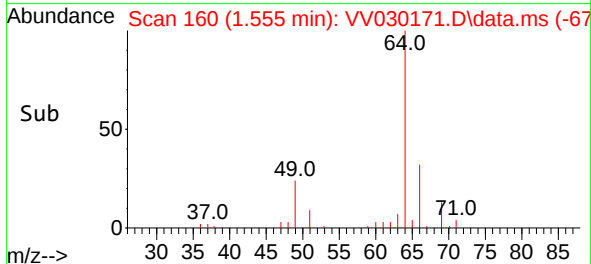
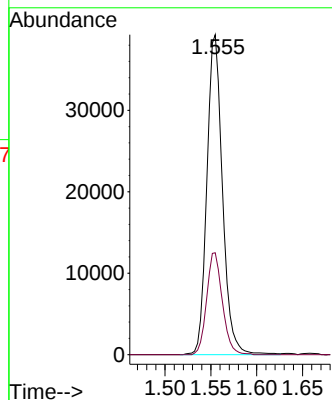
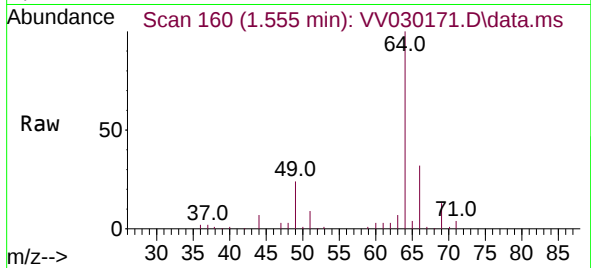




#8
Chloroethane
Concen: 4.564 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

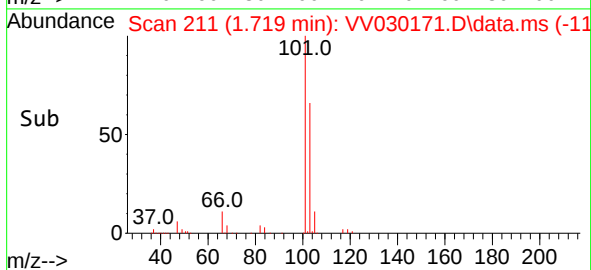
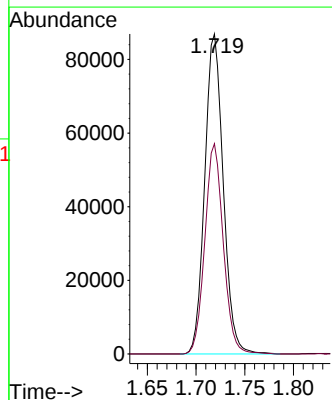
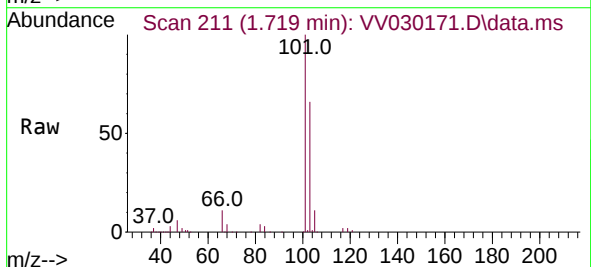
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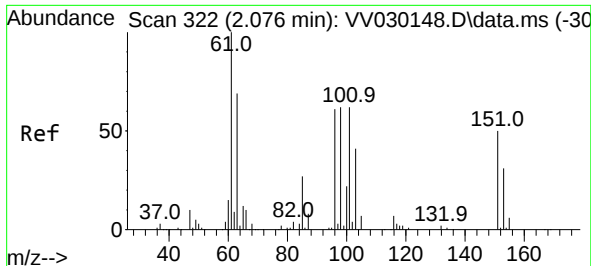
Tgt Ion: 64 Resp: 46485
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.788 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion:101 Resp: 114835
Ion Ratio Lower Upper
101 100
103 65.5 52.7 79.1

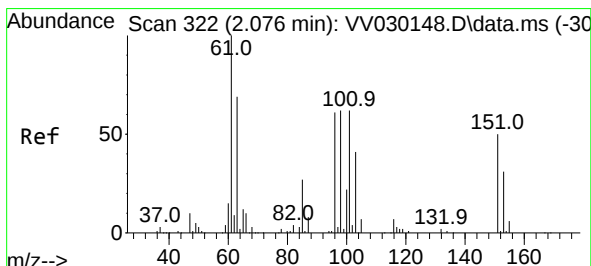
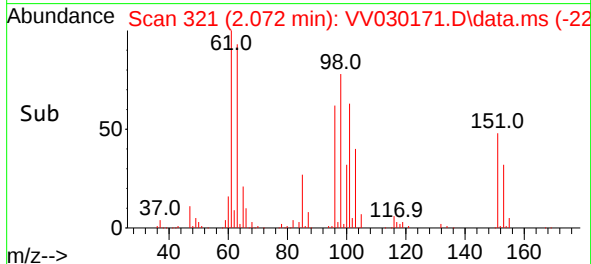
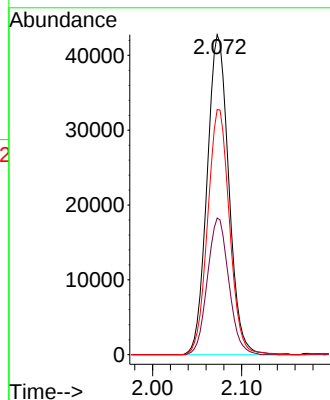
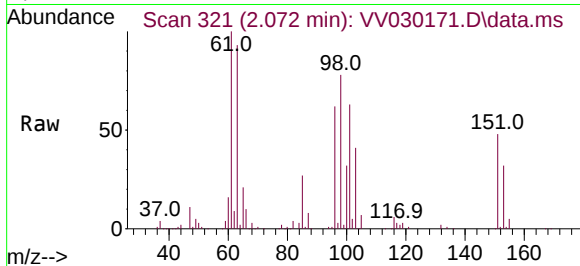




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.860 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

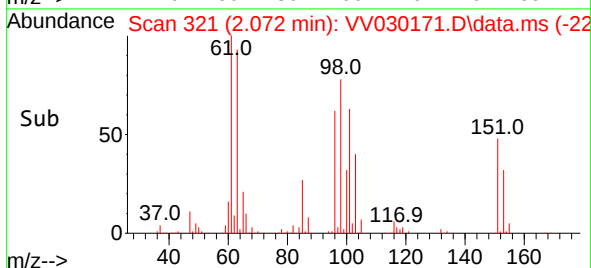
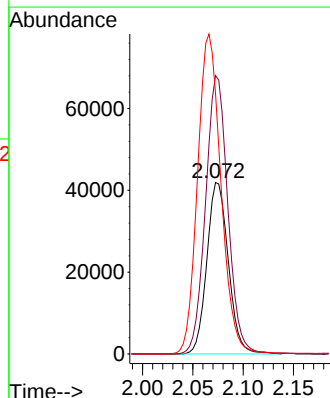
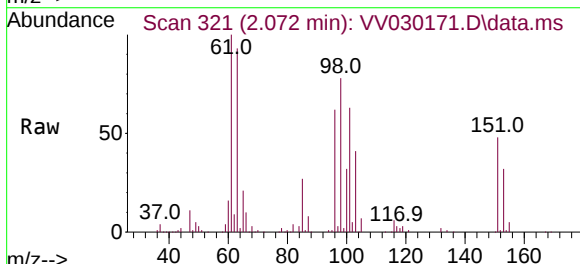
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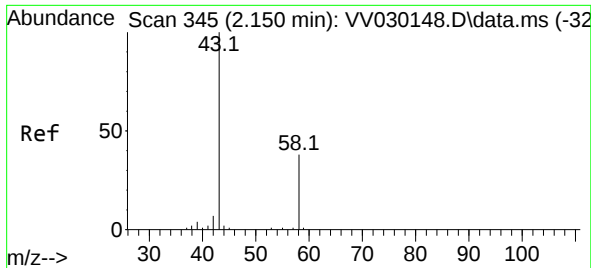
Tgt Ion:101 Resp: 72283
 Ion Ratio Lower Upper
 101 100
 85 42.1 33.5 50.3
 151 77.1 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 4.724 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

Tgt Ion: 96 Resp: 62199
 Ion Ratio Lower Upper
 96 100
 61 162.4 115.6 214.6
 63 151.6 85.6 159.0





#13

Acetone

Concen: 46.495 ug/L

RT: 2.153 min Scan# 345

Delta R.T. 0.003 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

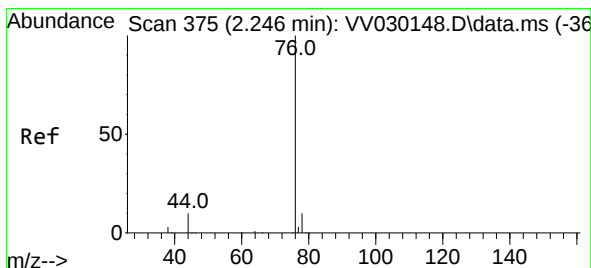
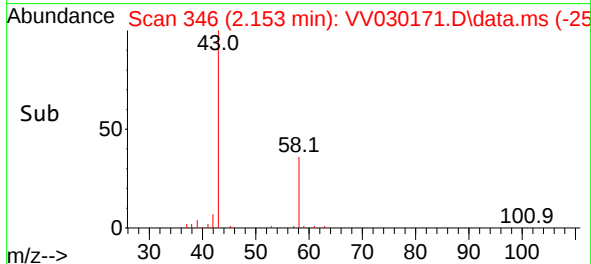
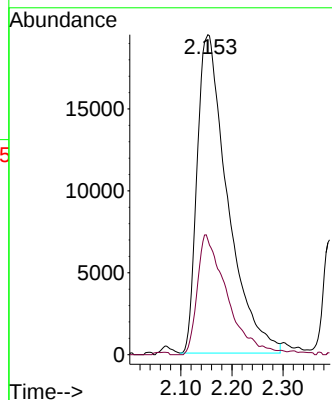
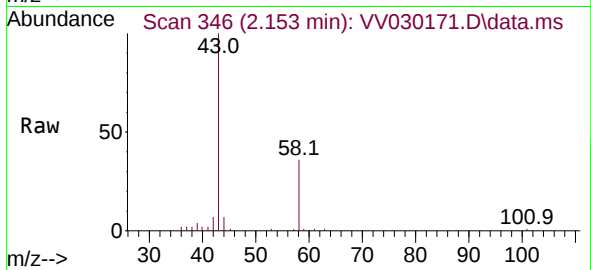
VSTD005298

Tgt Ion: 43 Resp: 80427

Ion Ratio Lower Upper

43 100

58 36.5 0.0 29.4#



#14

Carbon disulfide

Concen: 4.034 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030171.D

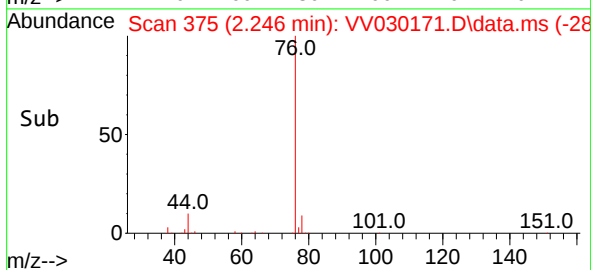
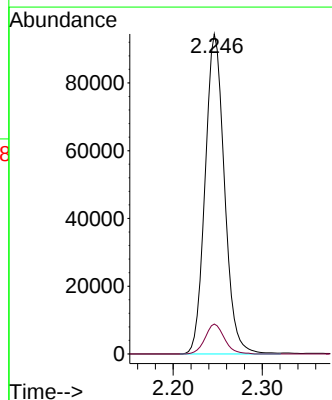
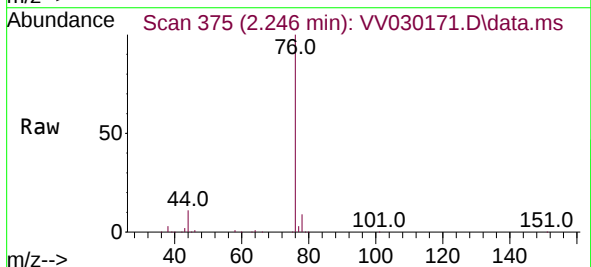
Acq: 13 Mar 2023 12:36

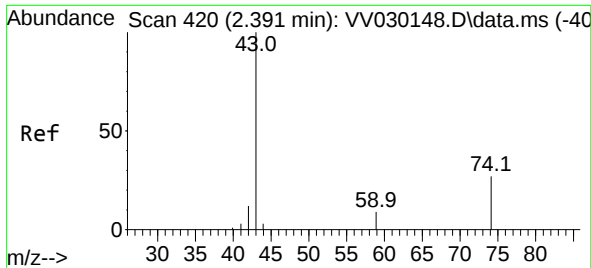
Tgt Ion: 76 Resp: 142123

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

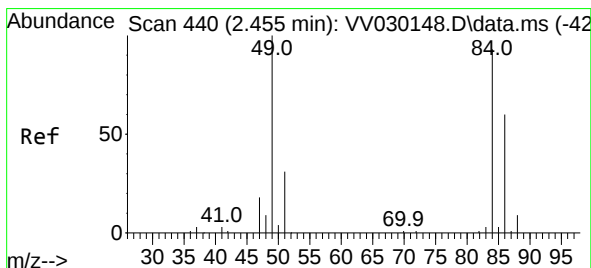
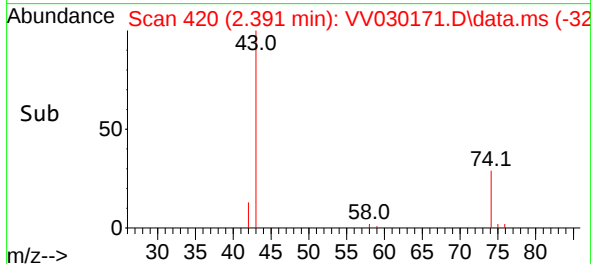
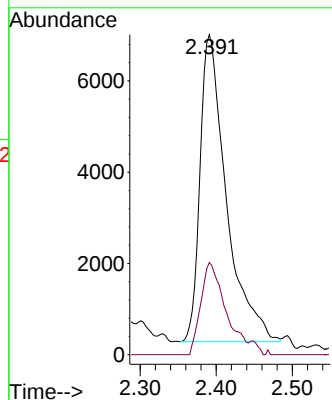
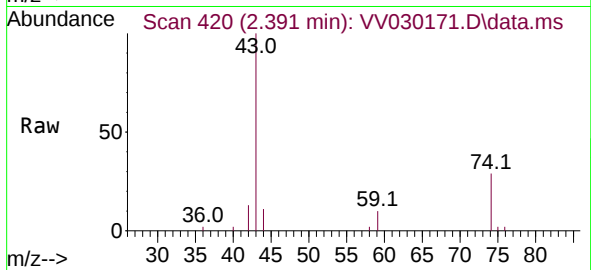




#15
Methyl Acetate
Concen: 4.003 ug/L
RT: 2.391 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

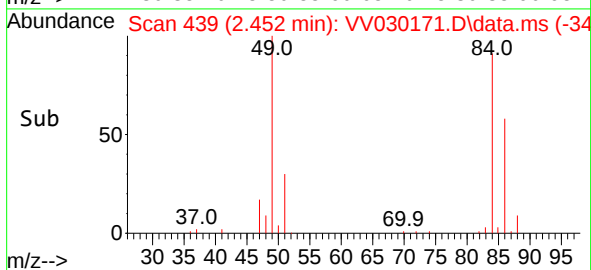
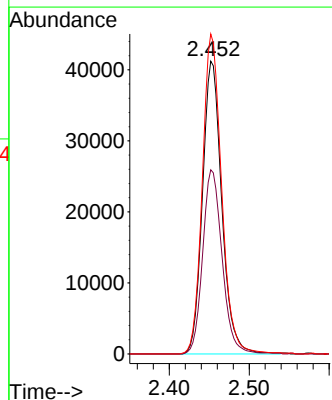
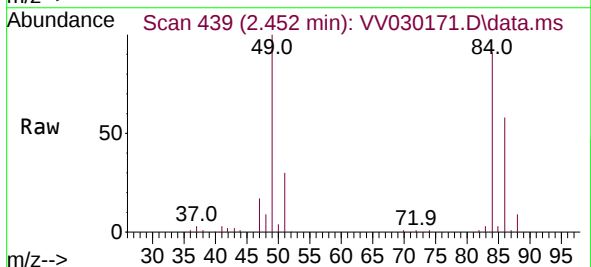
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

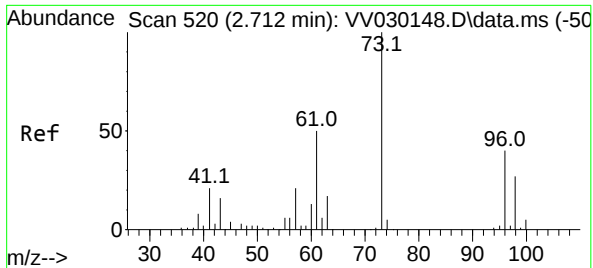
Tgt Ion: 43 Resp: 16172
Ion Ratio Lower Upper
43 100
74 28.2 20.1 30.1



#16
Methylene chloride
Concen: 4.300 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion: 84 Resp: 69170
Ion Ratio Lower Upper
84 100
86 62.9 44.7 83.1
49 109.3 78.8 146.3

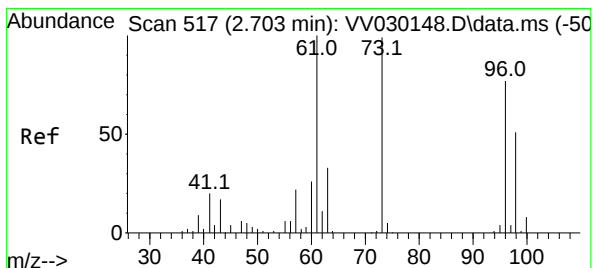
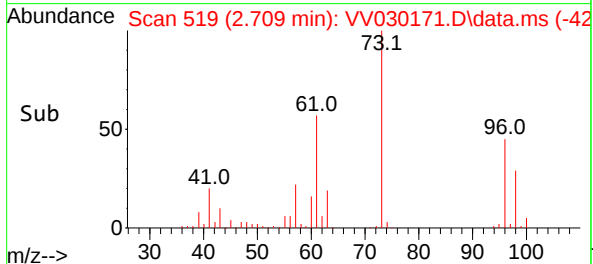
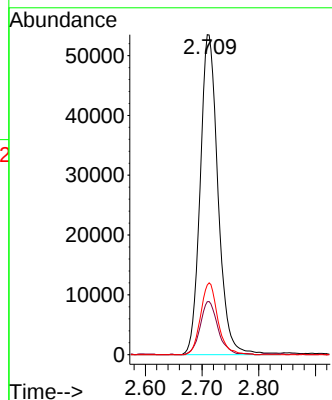
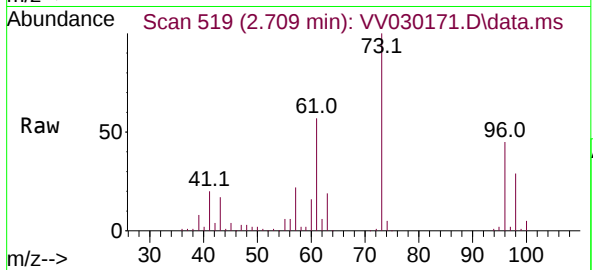




#17
Methyl tert-butyl Ether
Concen: 4.542 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

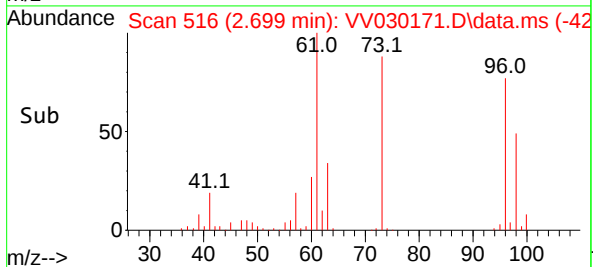
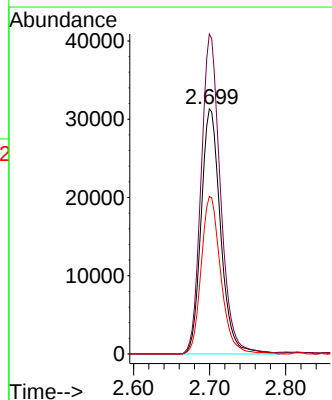
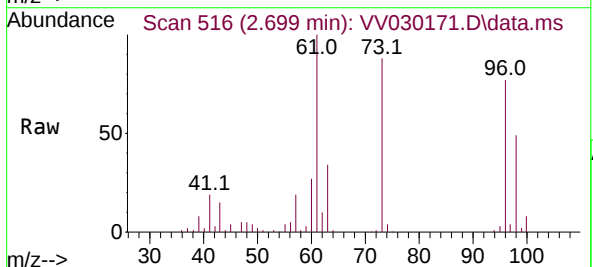
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

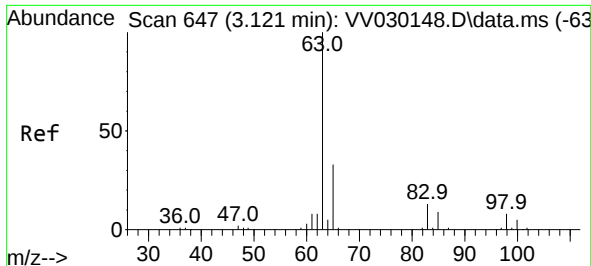
Tgt Ion: 73 Resp: 116943
Ion Ratio Lower Upper
73 100
43 16.7 13.4 20.2
57 21.7 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.445 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion: 96 Resp: 55671
Ion Ratio Lower Upper
96 100
61 130.6 91.0 169.0
98 64.3 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.738 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005298

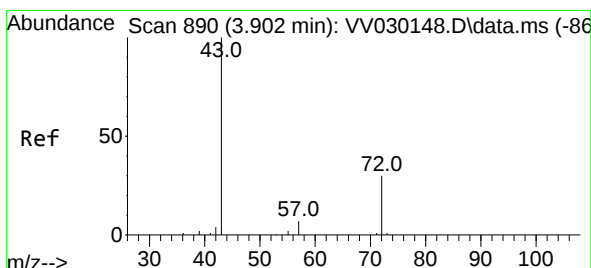
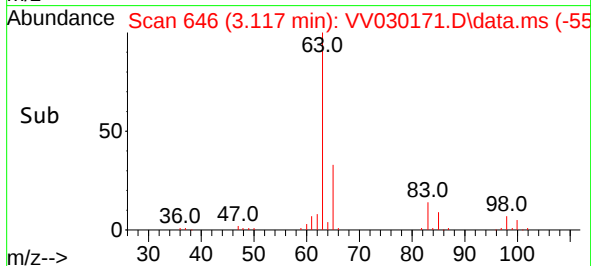
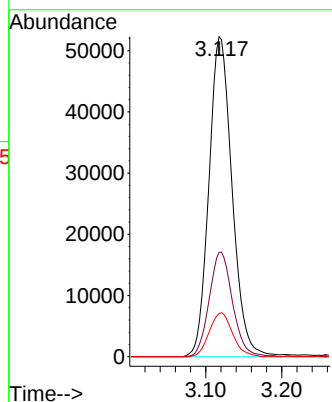
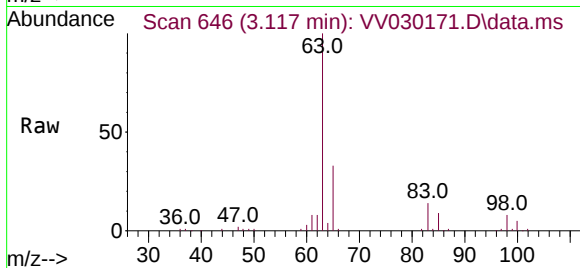
Tgt Ion: 63 Resp: 110533

Ion Ratio Lower Upper

63 100

65 32.6 23.0 42.8

83 13.5 9.6 17.8



#21

2-Butanone

Concen: 47.427 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.000 min

Lab File: VV030171.D

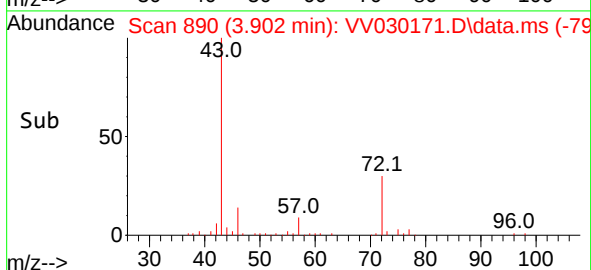
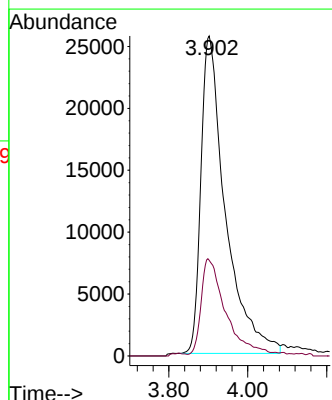
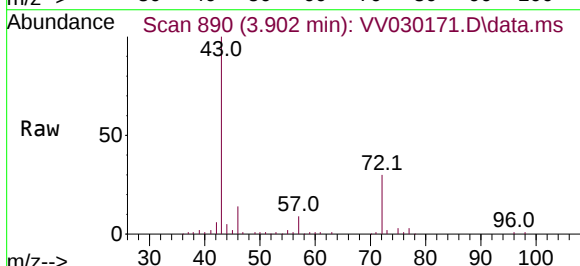
Acq: 13 Mar 2023 12:36

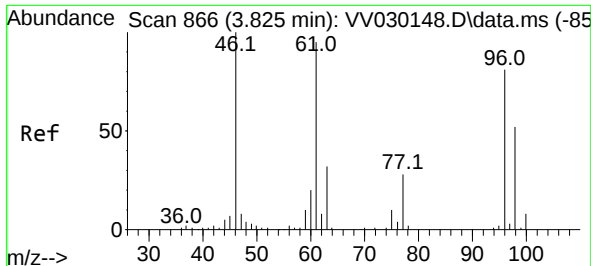
Tgt Ion: 43 Resp: 110334

Ion Ratio Lower Upper

43 100

72 29.8 15.1 45.3

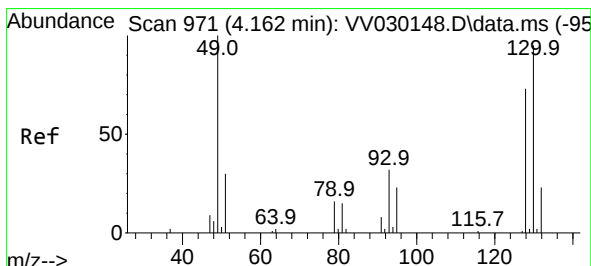
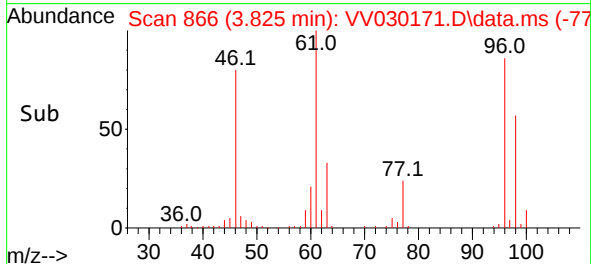
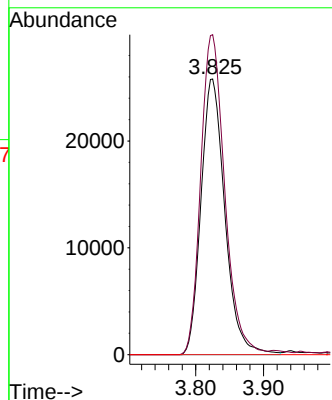
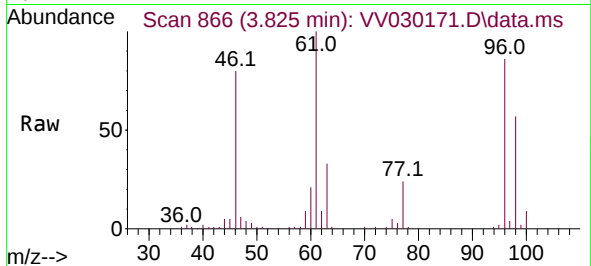




#22
 cis-1,2-Dichloroethene
 Concen: 4.568 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

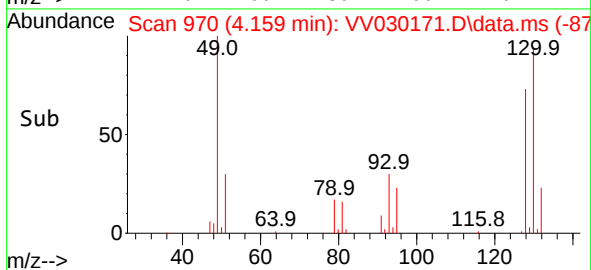
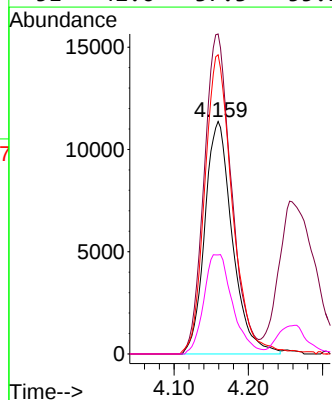
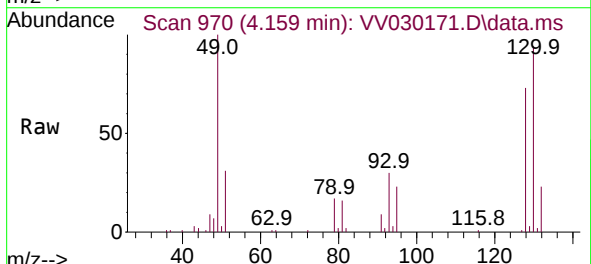
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005298

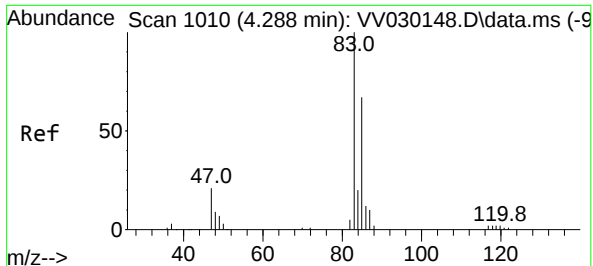
Tgt Ion: 96 Resp: 63233
 Ion Ratio Lower Upper
 96 100
 61 116.1 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.947 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.003 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

Tgt Ion: 128 Resp: 29266
 Ion Ratio Lower Upper
 128 100
 49 137.6 99.5 184.9
 130 128.7 90.5 168.1
 51 42.6 37.3 55.9





#25

Chloroform

Concen: 4.892 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

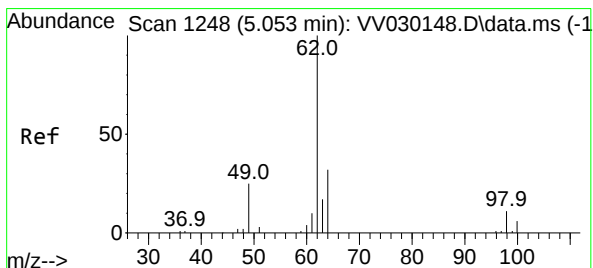
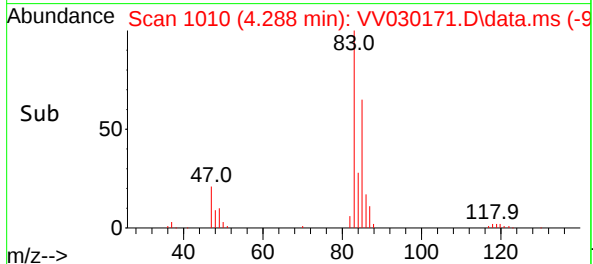
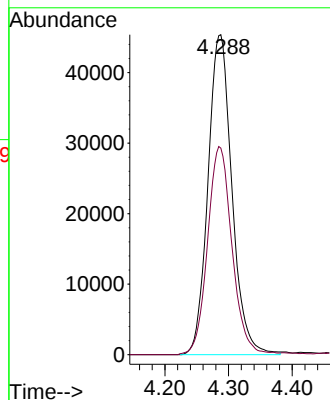
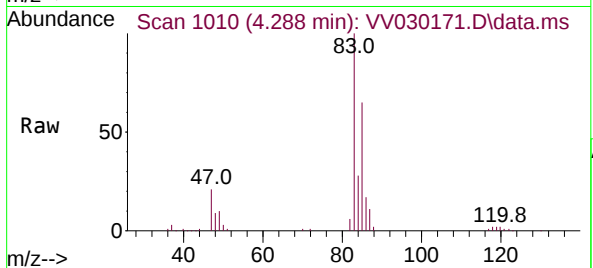
VSTD005298

Tgt Ion: 83 Resp: 118734

Ion Ratio Lower Upper

83 100

85 64.6 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.693 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV030171.D

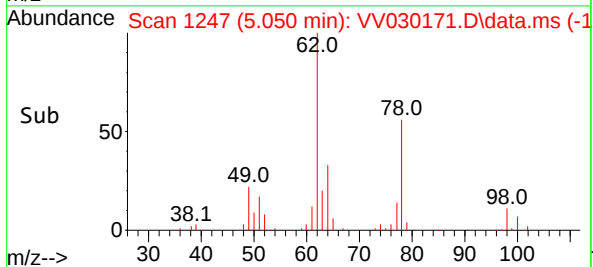
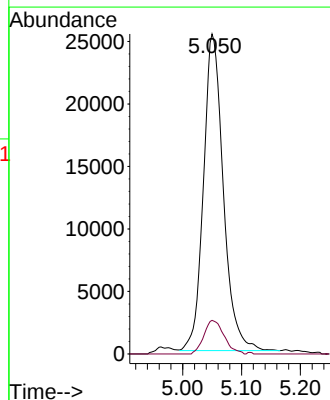
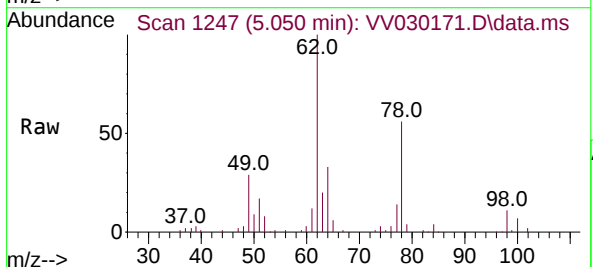
Acq: 13 Mar 2023 12:36

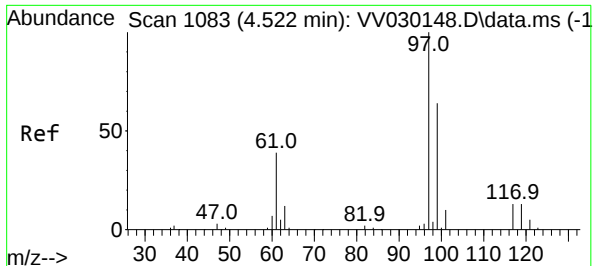
Tgt Ion: 62 Resp: 59573

Ion Ratio Lower Upper

62 100

98 10.5 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 4.712 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005298

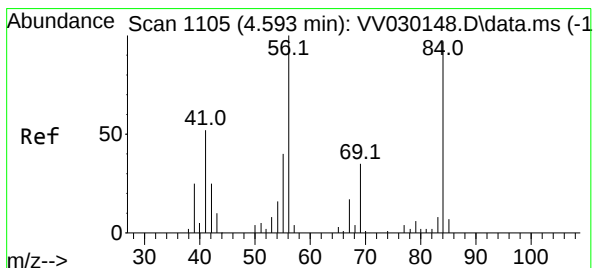
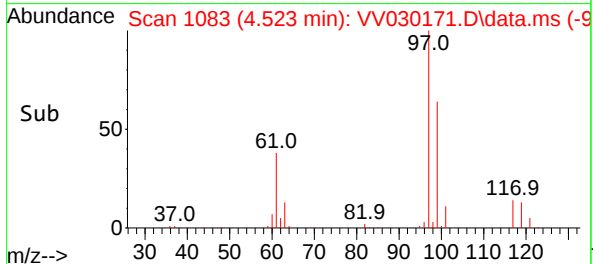
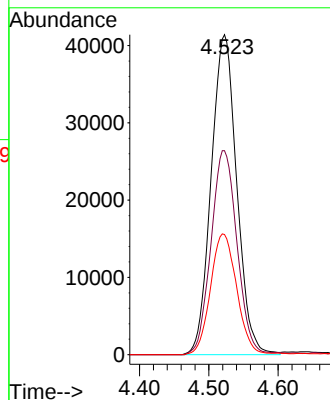
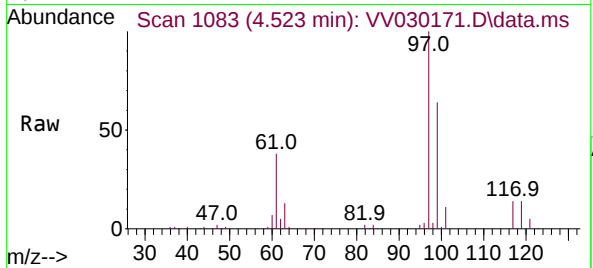
Tgt Ion: 97 Resp: 106267

Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 38.7 31.5 47.3



#30

Cyclohexane

Concen: 3.996 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

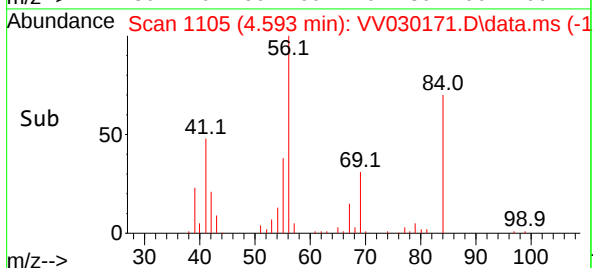
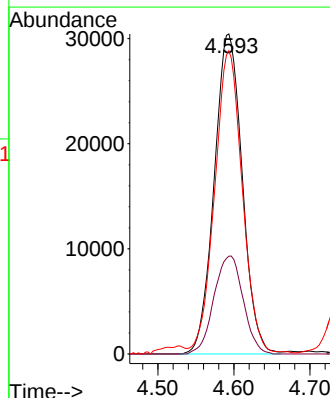
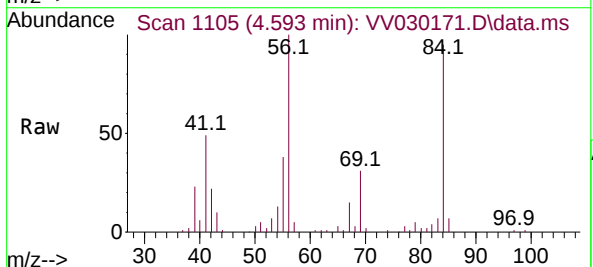
Tgt Ion: 56 Resp: 77877

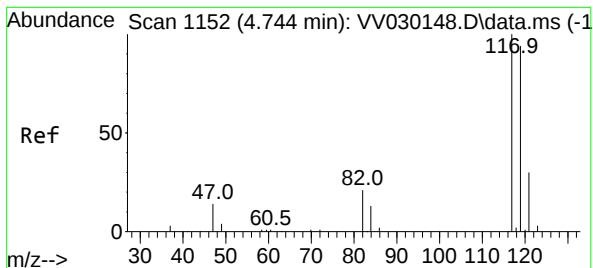
Ion Ratio Lower Upper

56 100

69 31.9 25.1 37.7

84 91.8 74.6 111.8





#31

Carbon tetrachloride

Concen: 4.787 ug/L

RT: 4.744 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

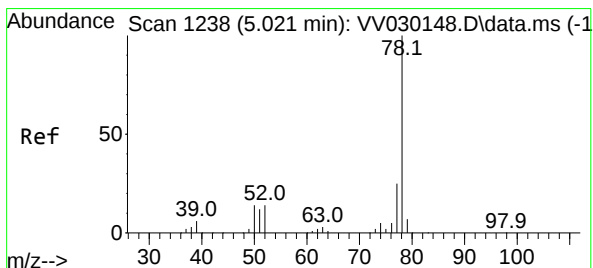
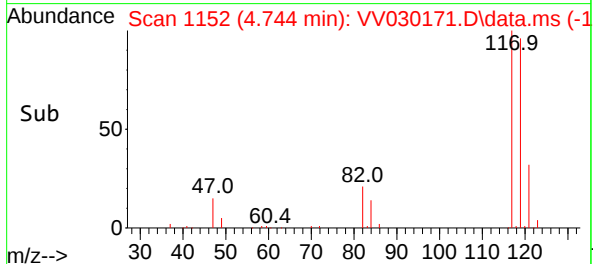
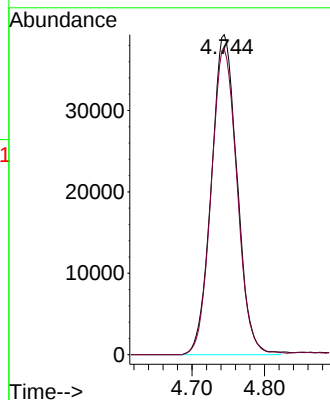
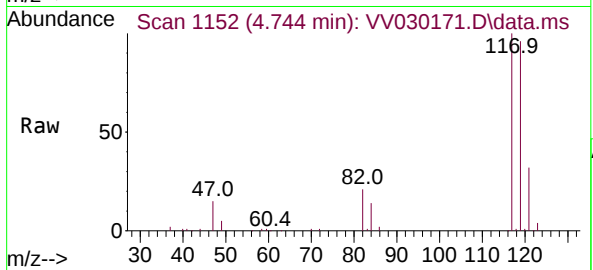
VSTD005298

Tgt Ion:117 Resp: 97031

Ion Ratio Lower Upper

117 100

119 96.1 76.1 114.1



#33

Benzene

Concen: 4.519 ug/L

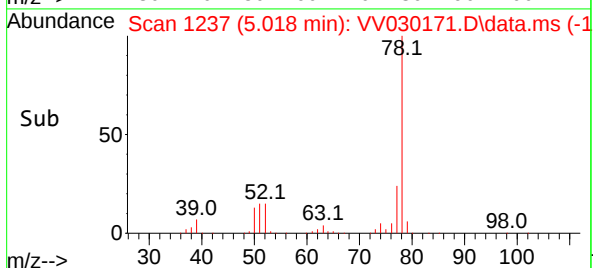
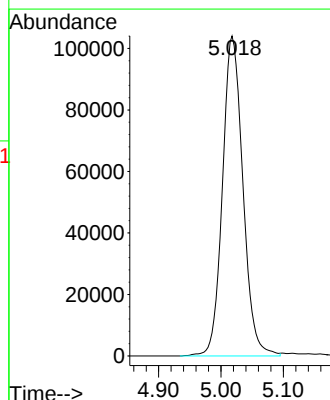
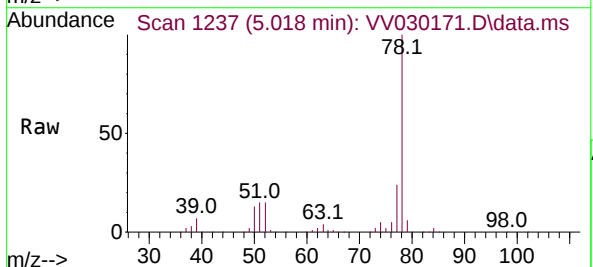
RT: 5.018 min Scan# 1237

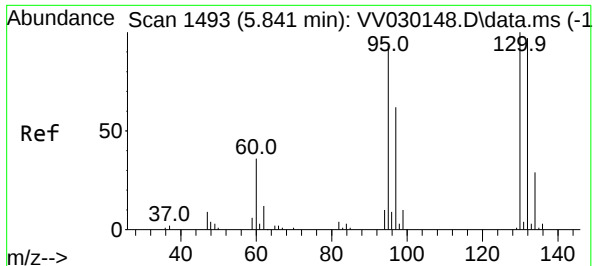
Delta R.T. -0.003 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Tgt Ion: 78 Resp: 236954





#34

Trichloroethene

Concen: 4.415 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005298

Tgt Ion: 95 Resp: 64865

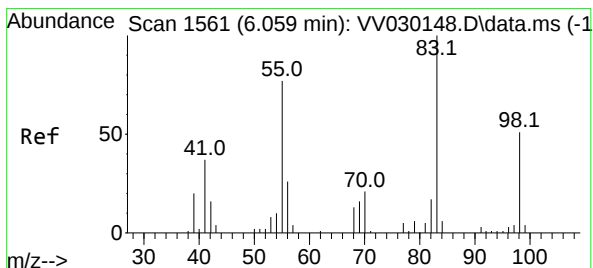
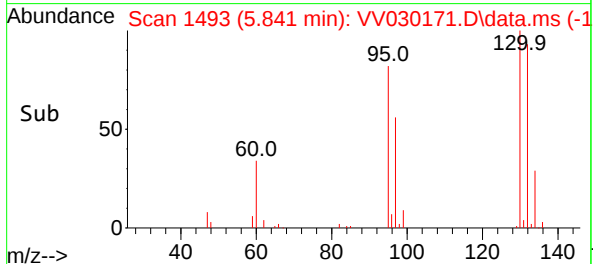
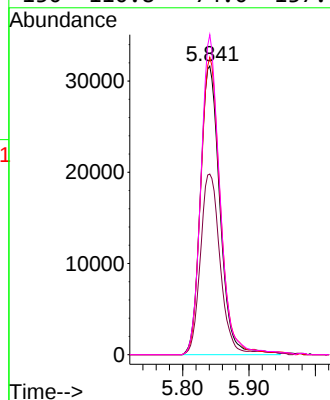
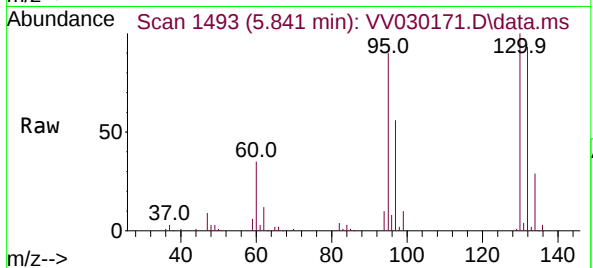
Ion Ratio Lower Upper

95 100

97 62.6 46.5 86.5

132 103.0 71.7 133.3

130 110.8 74.0 137.4



#35

Methylcyclohexane

Concen: 4.200 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

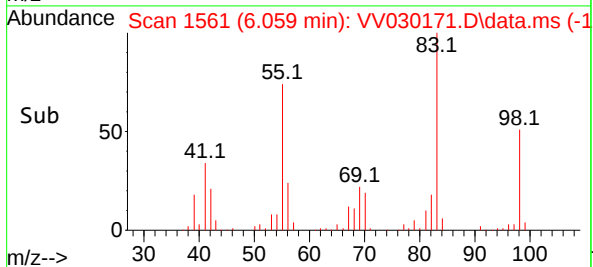
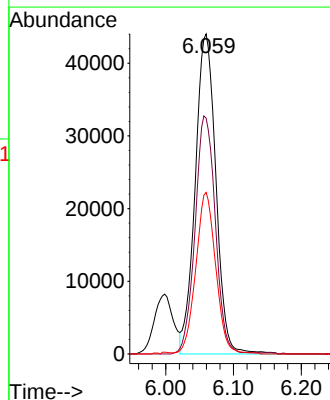
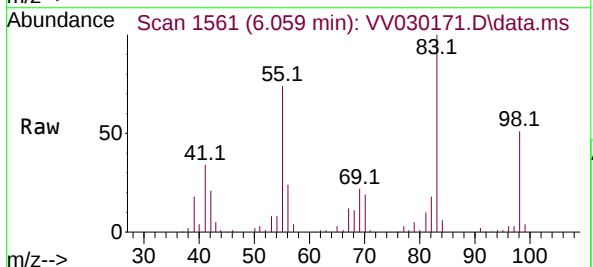
Tgt Ion: 83 Resp: 93399

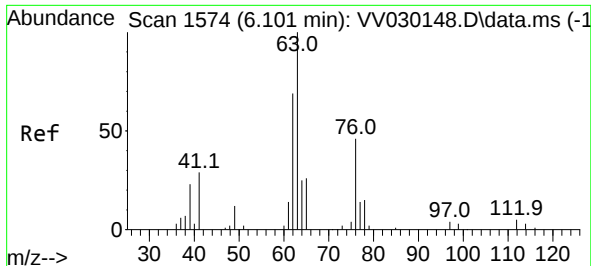
Ion Ratio Lower Upper

83 100

55 72.7 57.6 86.4

98 48.7 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.633 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

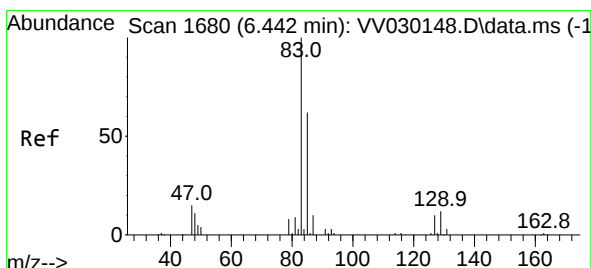
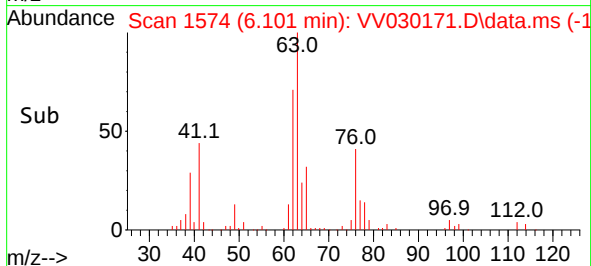
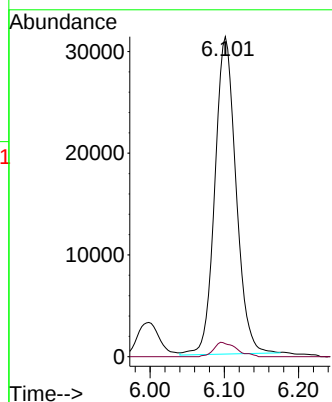
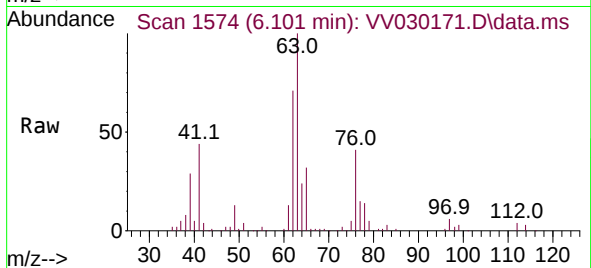
VSTD005298

Tgt Ion: 63 Resp: 61803

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



#38

Bromodichloromethane

Concen: 4.978 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

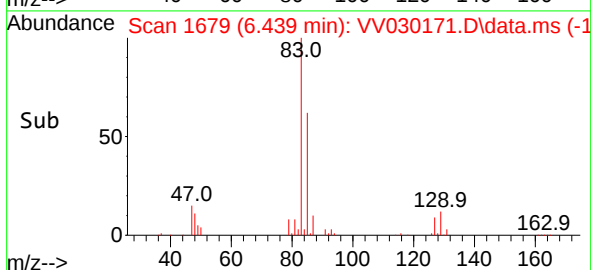
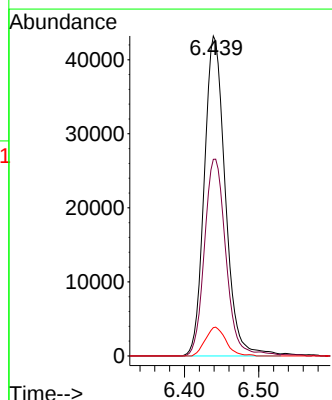
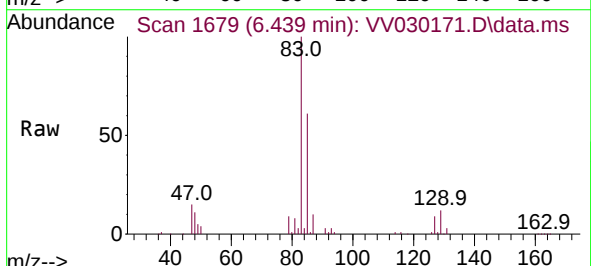
Tgt Ion: 83 Resp: 84770

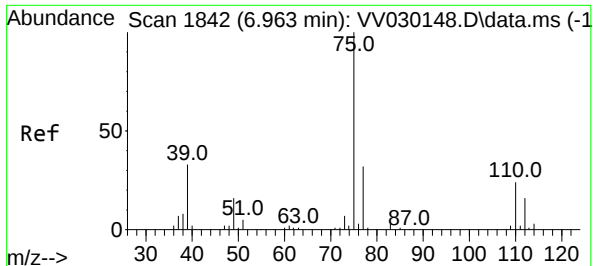
Ion Ratio Lower Upper

83 100

85 61.5 44.3 82.3

127 8.8 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.513 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

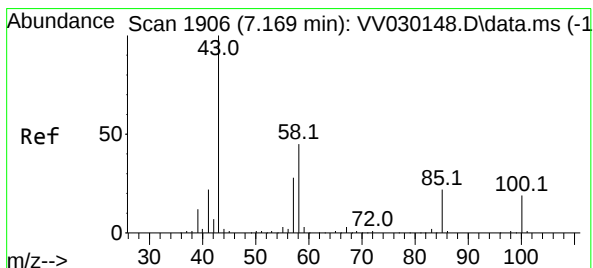
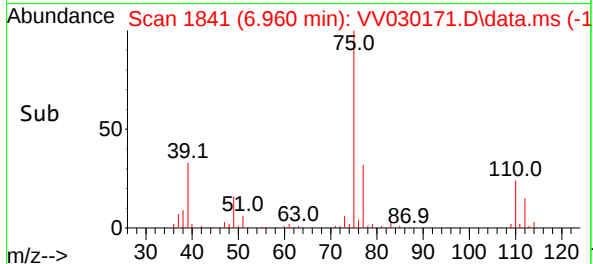
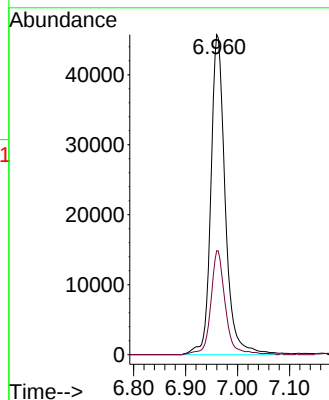
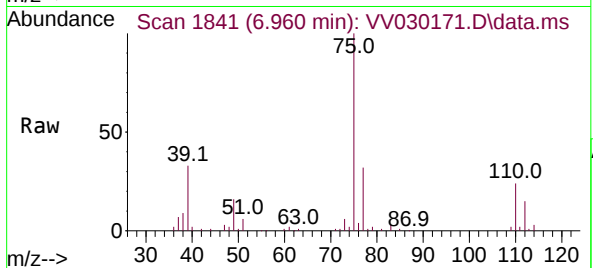
VSTD005298

Tgt Ion: 75 Resp: 88123

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 47.241 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

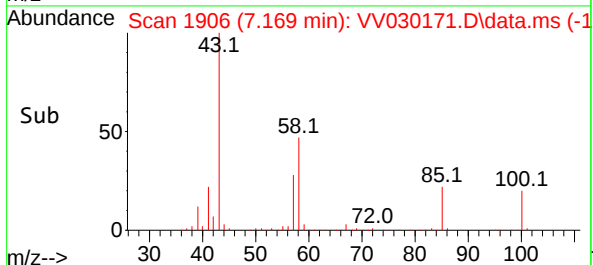
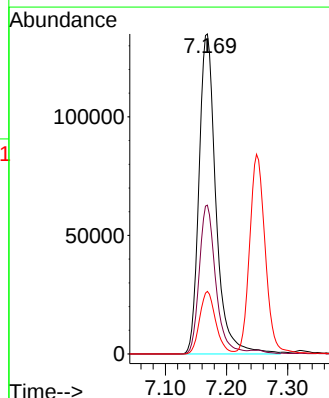
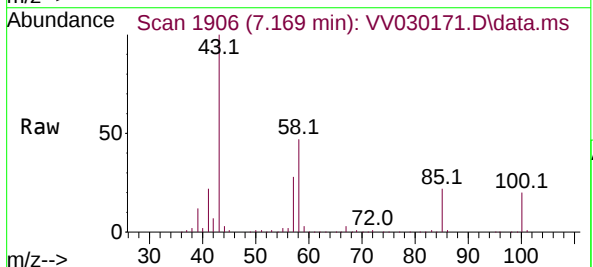
Tgt Ion: 43 Resp: 260033

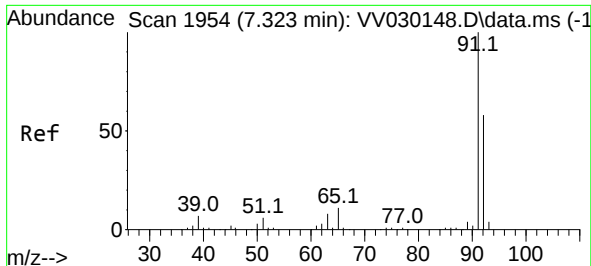
Ion Ratio Lower Upper

43 100

58 45.2 35.3 52.9

100 18.5 14.7 22.1





#42

Toluene

Concen: 4.687 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

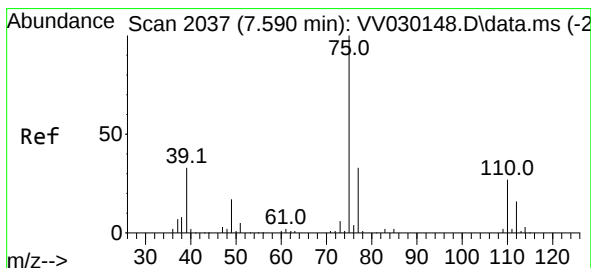
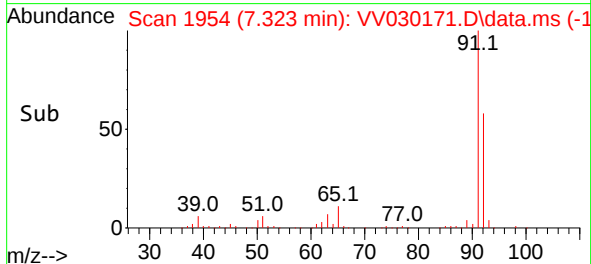
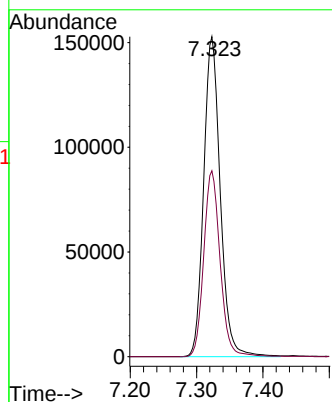
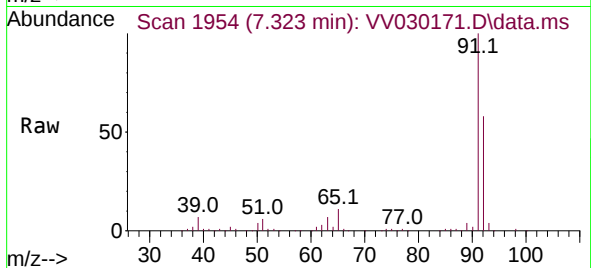
VSTD005298

Tgt Ion: 91 Resp: 266189

Ion Ratio Lower Upper

91 100

92 58.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.787 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.000 min

Lab File: VV030171.D

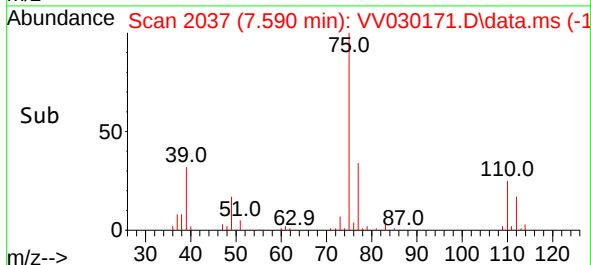
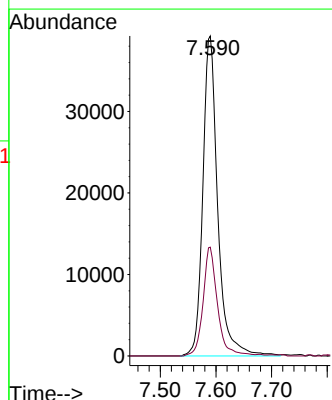
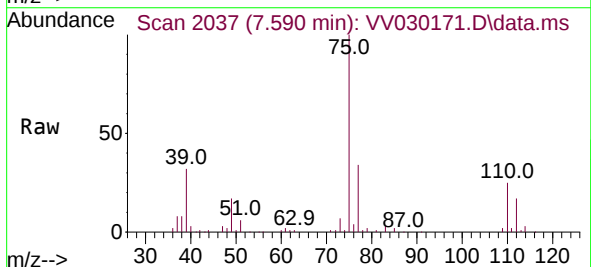
Acq: 13 Mar 2023 12:36

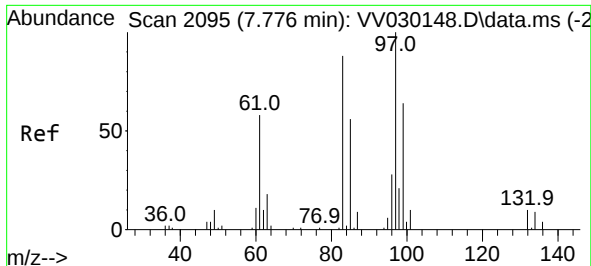
Tgt Ion: 75 Resp: 72967

Ion Ratio Lower Upper

75 100

77 34.0 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 4.751 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005298

Tgt Ion: 97 Resp: 45344

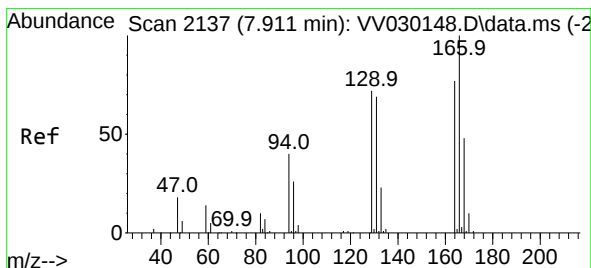
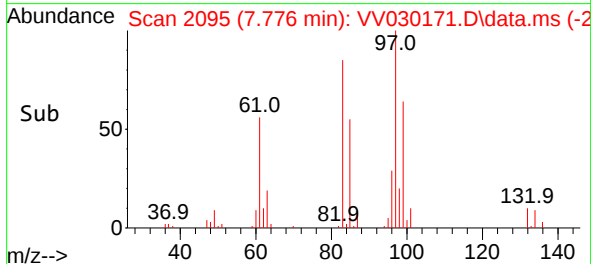
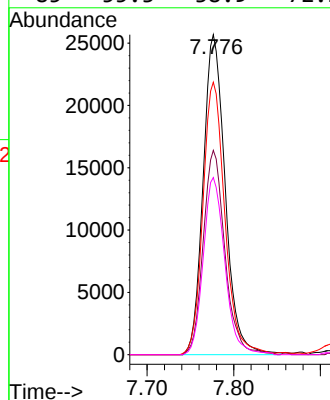
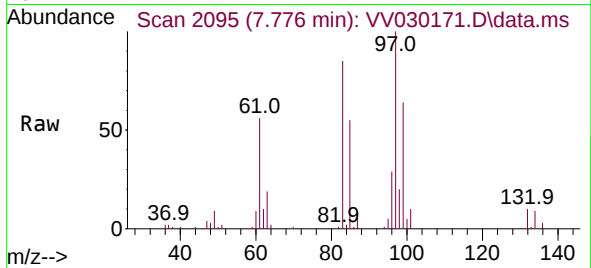
Ion Ratio Lower Upper

97 100

99 63.8 42.6 79.2

83 85.1 57.7 107.3

85 55.3 38.9 72.2



#47

Tetrachloroethene

Concen: 4.640 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Tgt Ion:164 Resp: 58516

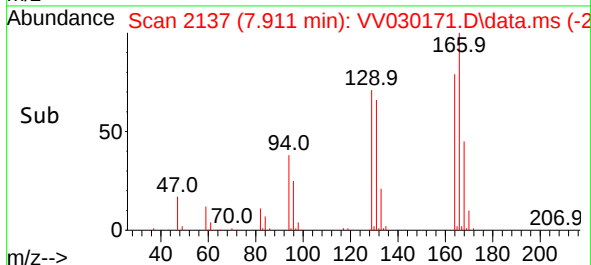
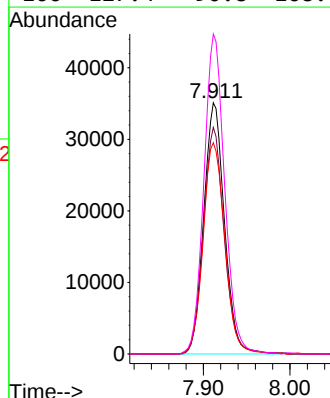
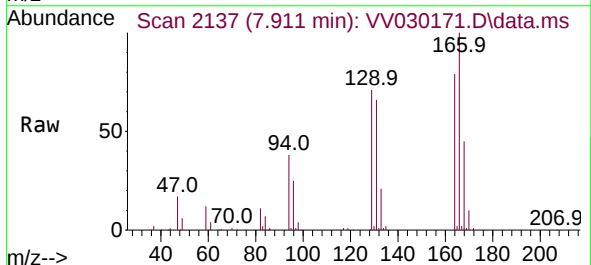
Ion Ratio Lower Upper

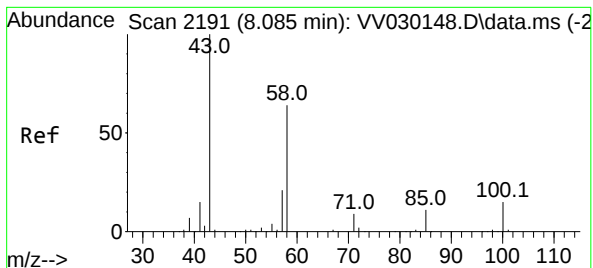
164 100

129 90.2 63.6 118.2

131 84.1 61.7 114.7

166 127.4 90.8 168.6





#48

2-Hexanone

Concen: 49.146 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005298

Tgt Ion: 43 Resp: 193662

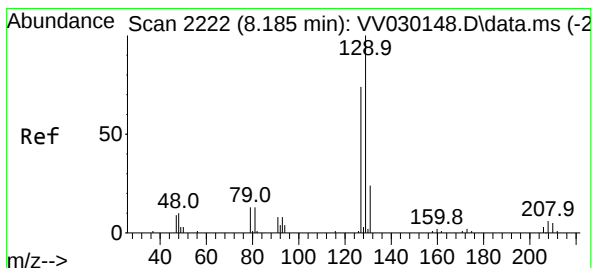
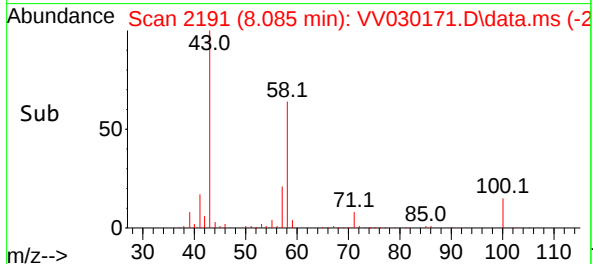
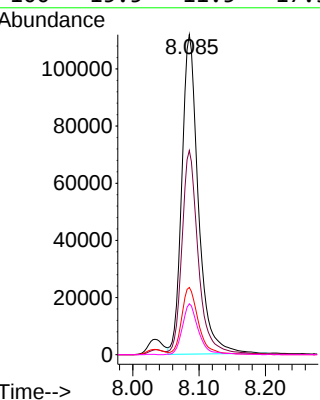
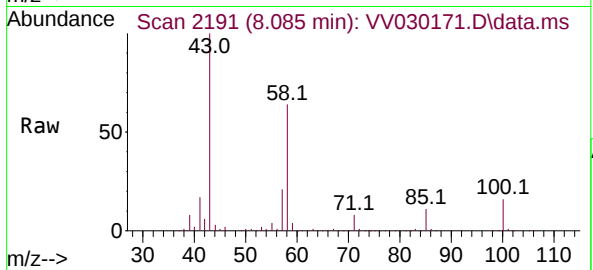
Ion Ratio Lower Upper

43 100

58 62.6 49.8 74.8

57 21.0 16.6 24.8

100 15.5 11.5 17.3



#49

Dibromochloromethane

Concen: 5.118 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VV030171.D

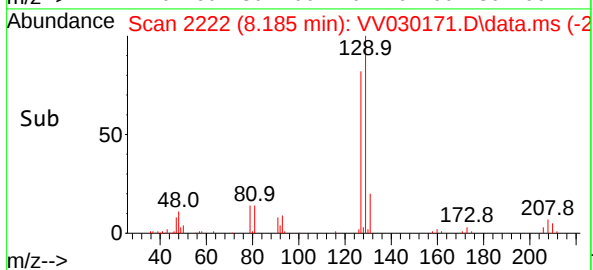
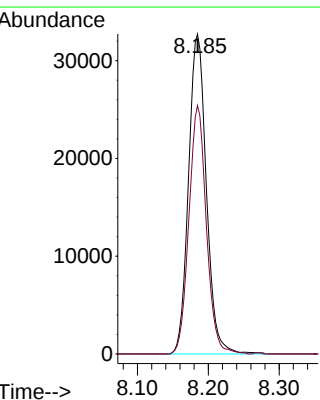
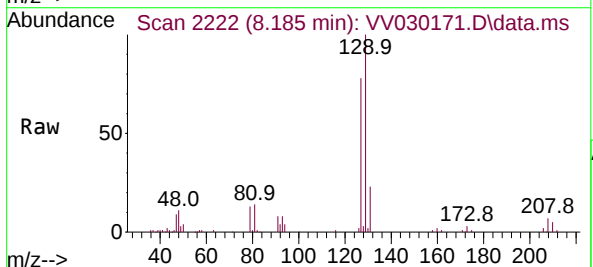
Acq: 13 Mar 2023 12:36

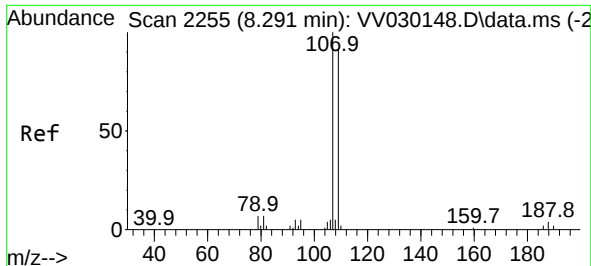
Tgt Ion: 129 Resp: 57157

Ion Ratio Lower Upper

129 100

127 77.6 54.7 101.5





#50

1,2-Dibromoethane

Concen: 4.715 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005298

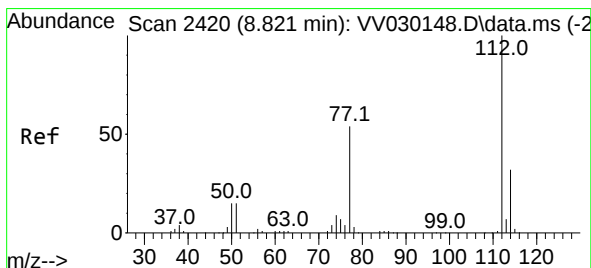
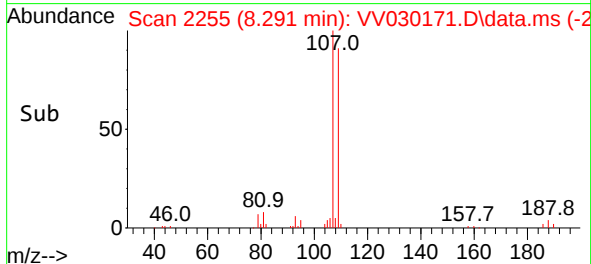
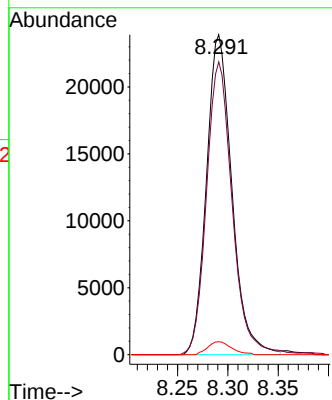
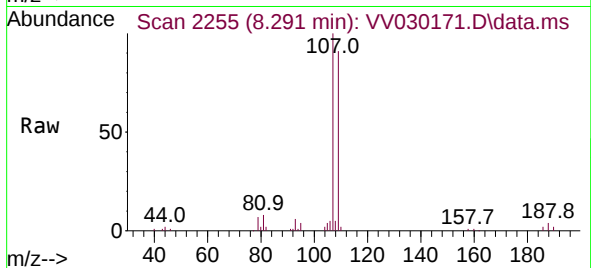
Tgt Ion:107 Resp: 41988

Ion Ratio Lower Upper

107 100

109 91.5 63.3 117.7

188 4.1 3.0 4.6



#51

Chlorobenzene

Concen: 4.680 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

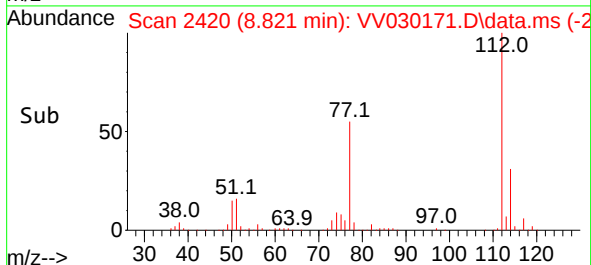
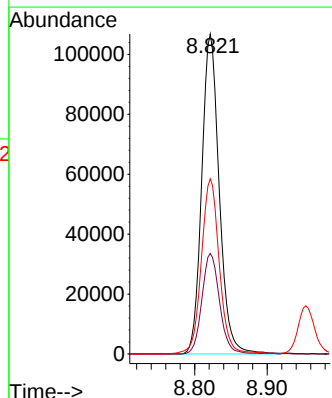
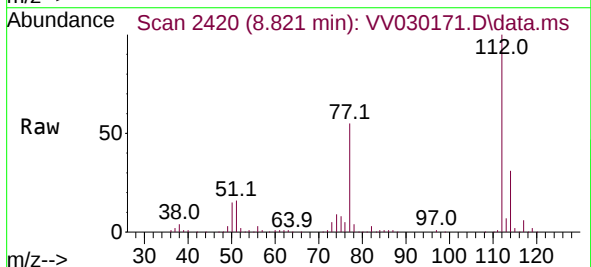
Tgt Ion:112 Resp: 179251

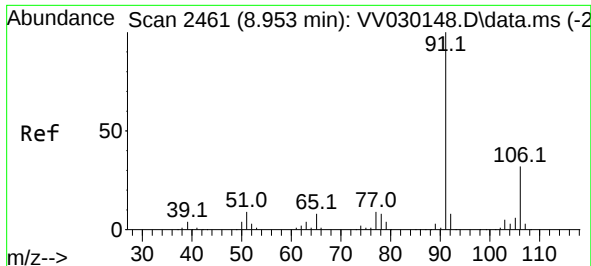
Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 54.8 45.3 67.9

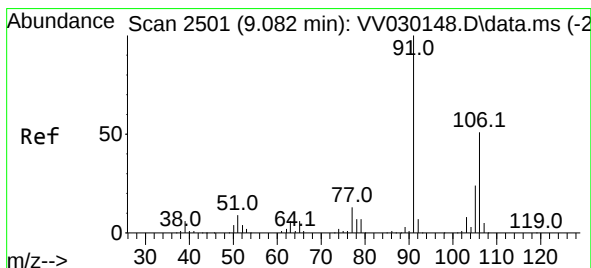
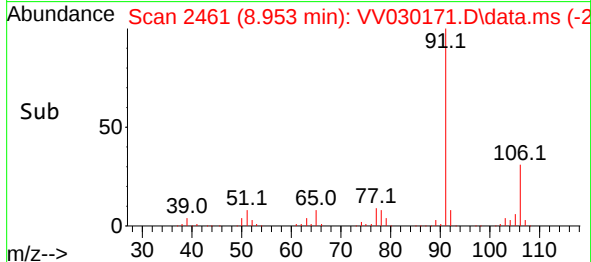
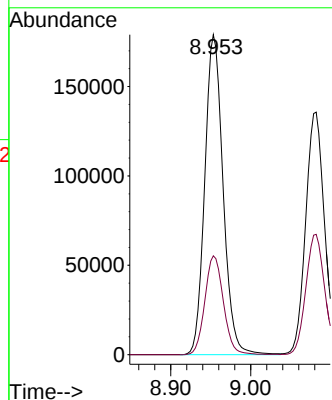
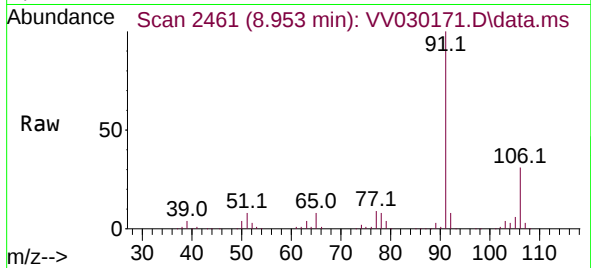




#52
Ethylbenzene
Concen: 4.618 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

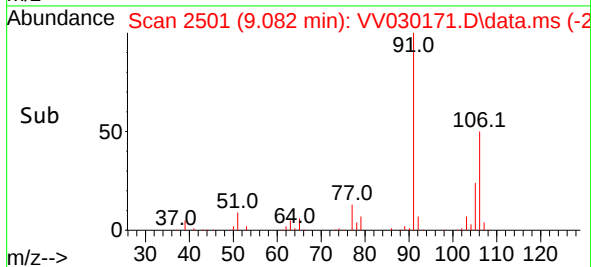
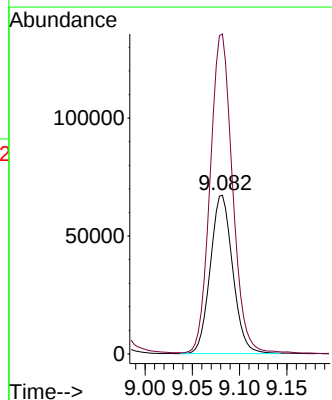
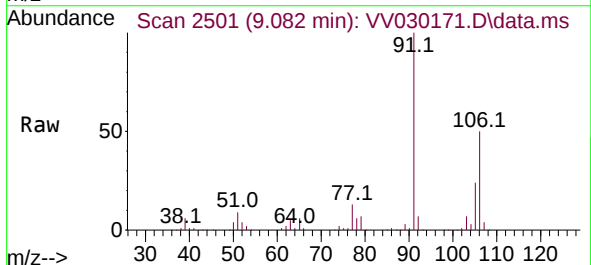
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

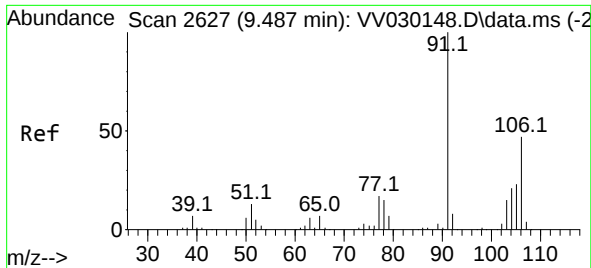
Tgt Ion: 91 Resp: 285405
Ion Ratio Lower Upper
91 100
106 30.9 22.0 40.8



#53
m,p-Xylene
Concen: 4.665 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion: 106 Resp: 110816
Ion Ratio Lower Upper
106 100
91 201.7 142.5 264.7

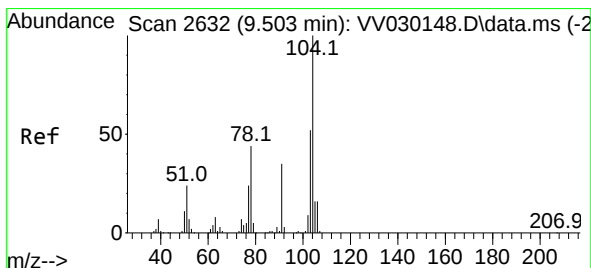
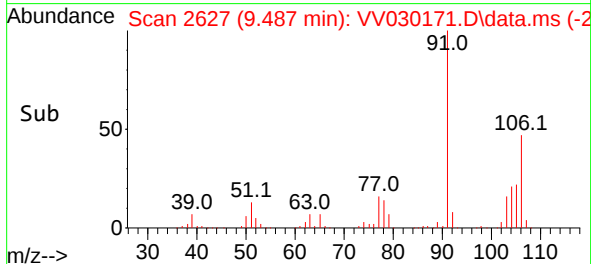
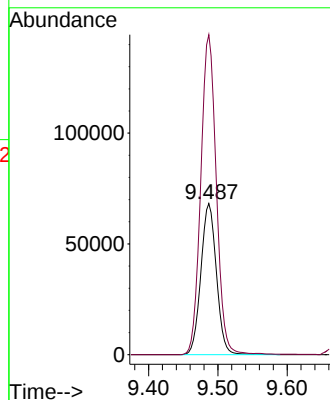
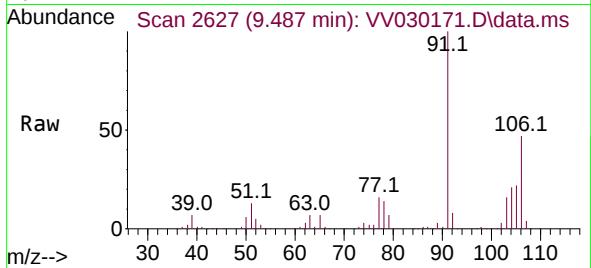




#54
o-Xylene
Concen: 4.686 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

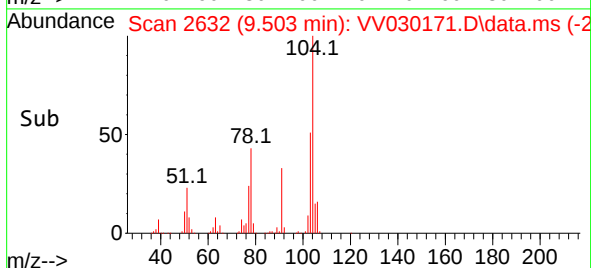
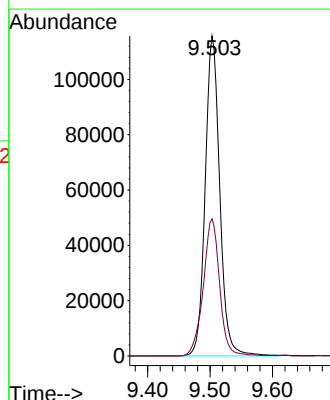
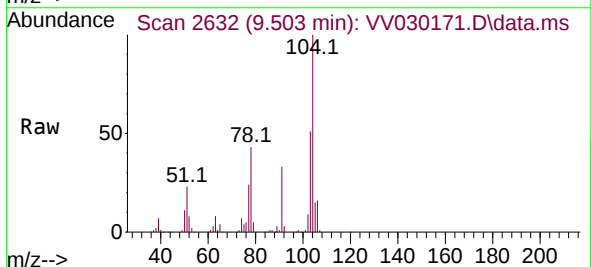
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

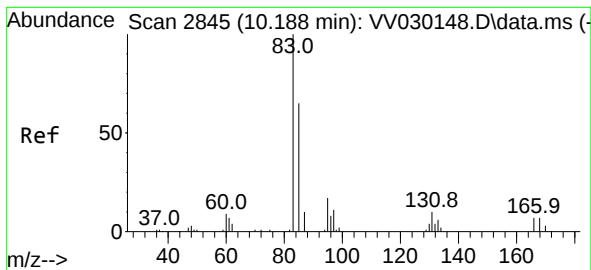
Tgt Ion:106 Resp: 106314
Ion Ratio Lower Upper
106 100
91 211.6 148.8 276.4



#55
Styrene
Concen: 4.991 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion:104 Resp: 188302
Ion Ratio Lower Upper
104 100
78 42.9 31.1 57.9

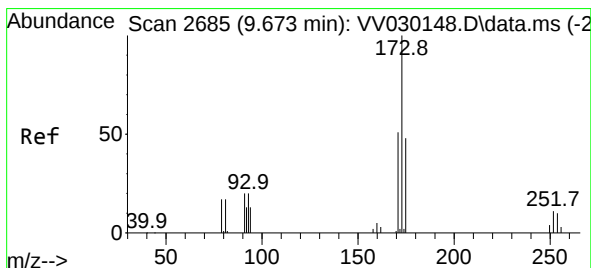
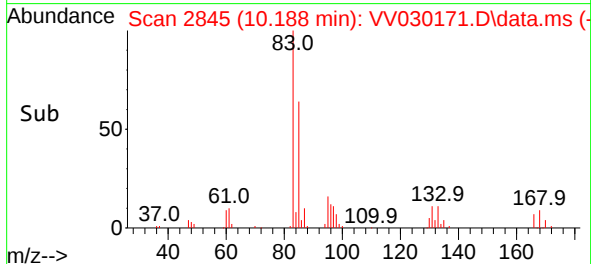
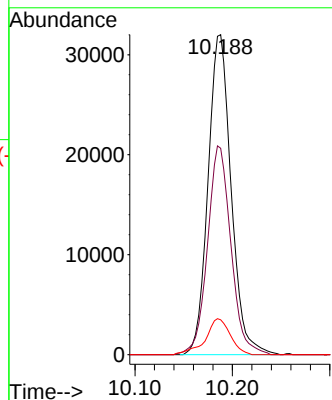
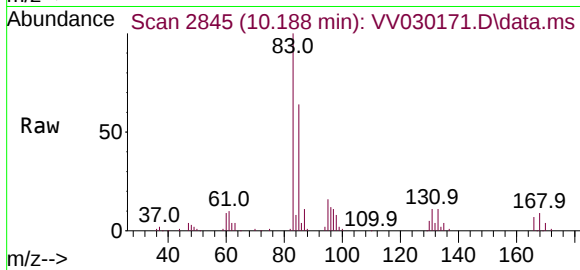




#57
1,1,2,2-Tetrachloroethane
Concen: 4.945 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

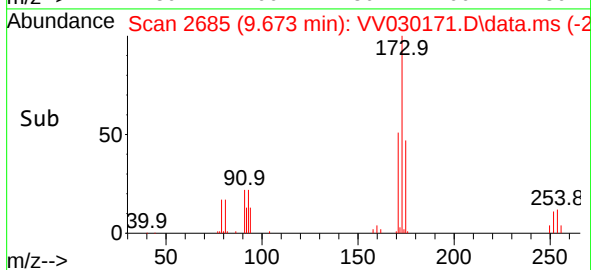
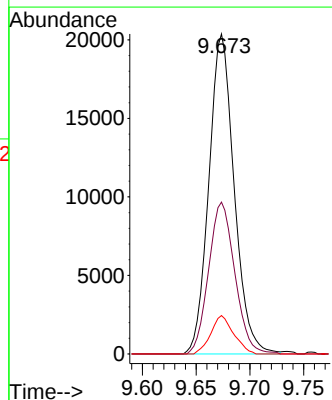
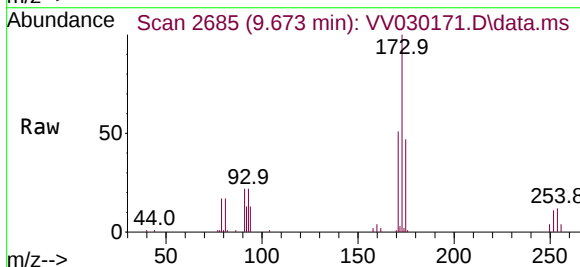
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

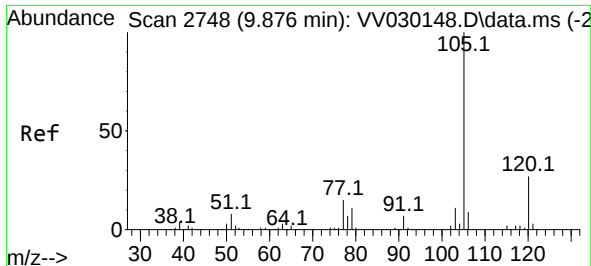
Tgt Ion:	83	Resp:	52797
Ion	Ratio	Lower	Upper
83	100		
85	64.5	45.0	83.6
131	10.9	8.2	12.4



#59
Bromoform
Concen: 4.912 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion:	173	Resp:	33318
Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.5	57.7
254	10.8	8.6	13.0

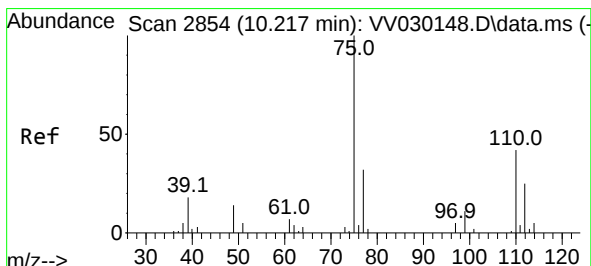
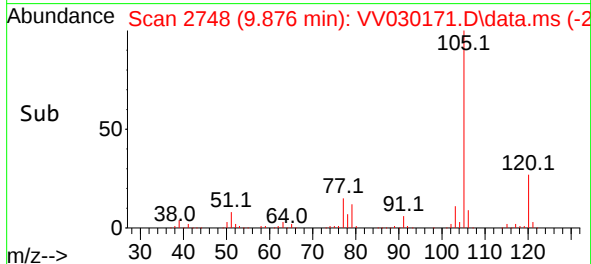
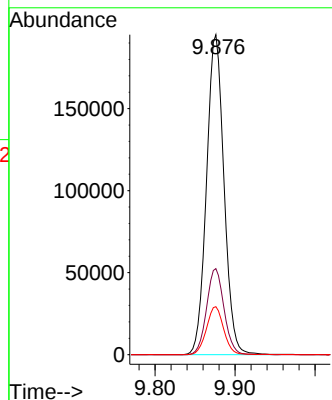
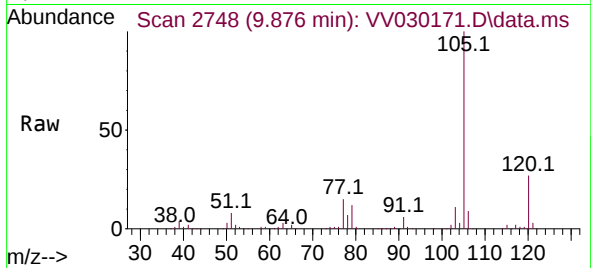




#60
Isopropylbenzene
Concen: 4.561 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

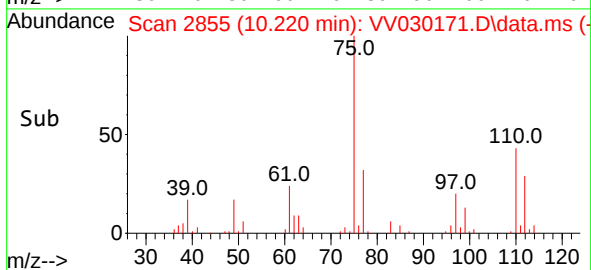
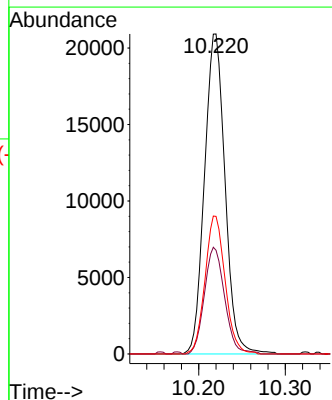
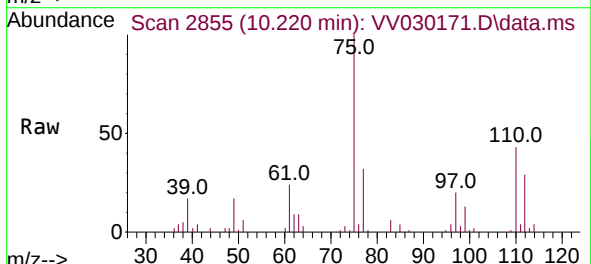
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

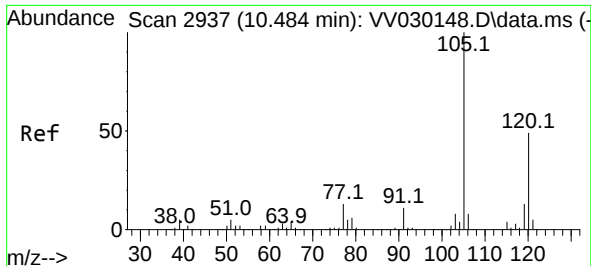
Tgt Ion:105 Resp: 296994
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0
77 14.8 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.556 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion: 75 Resp: 34511
Ion Ratio Lower Upper
75 100
77 32.8 26.5 39.7
110 42.1 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.511 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

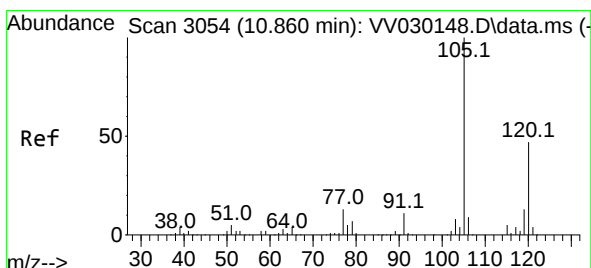
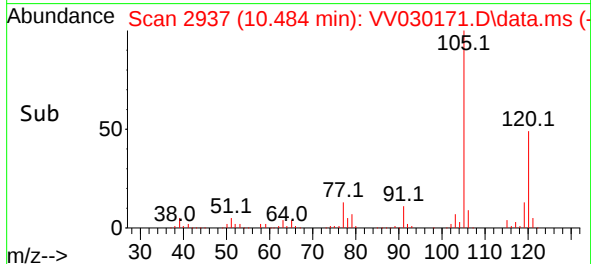
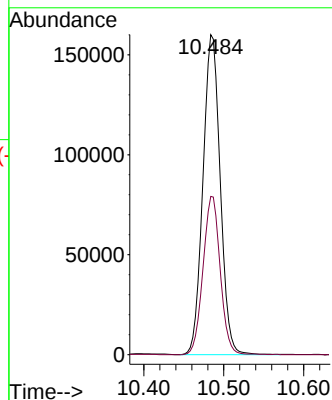
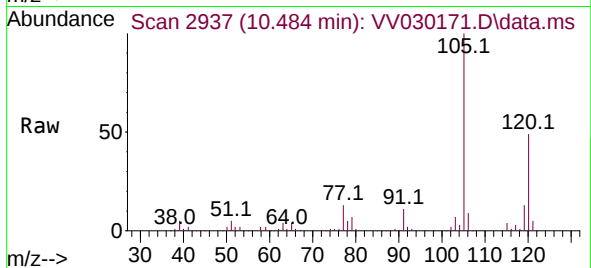
VSTD005298

Tgt Ion:105 Resp: 241262

Ion Ratio Lower Upper

105 100

120 49.2 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.644 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030171.D

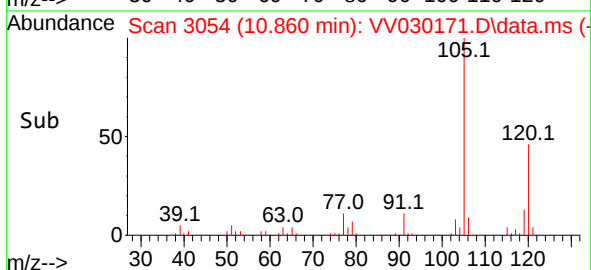
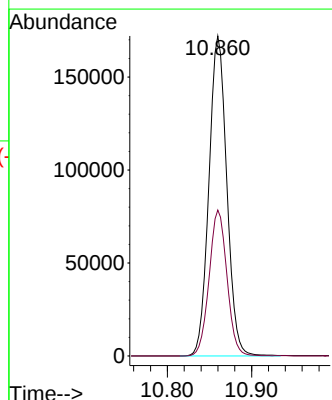
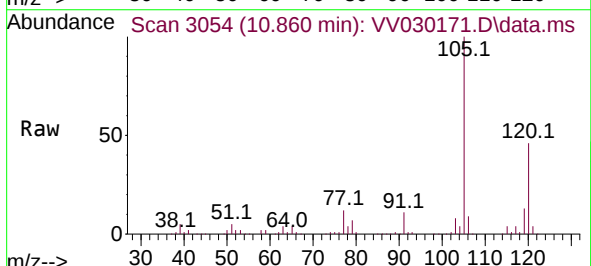
Acq: 13 Mar 2023 12:36

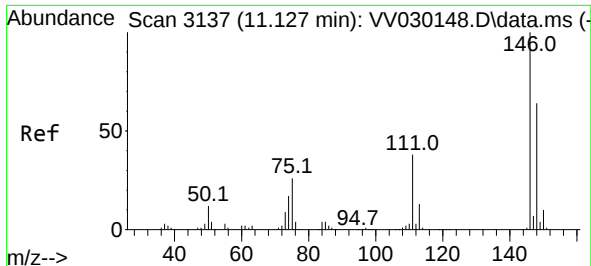
Tgt Ion:105 Resp: 254097

Ion Ratio Lower Upper

105 100

120 45.4 36.2 54.4

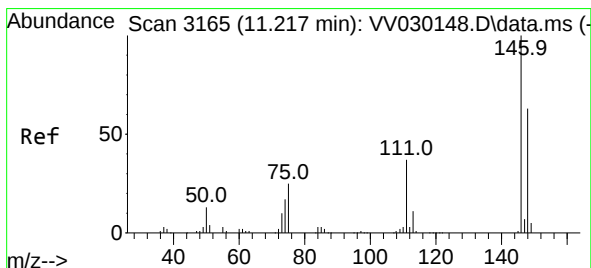
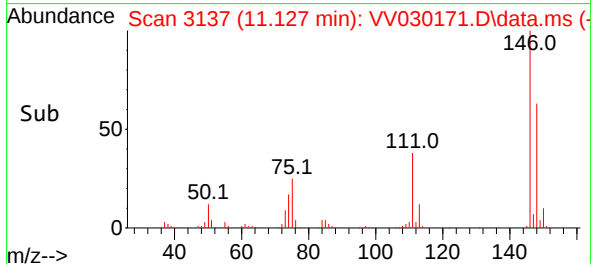
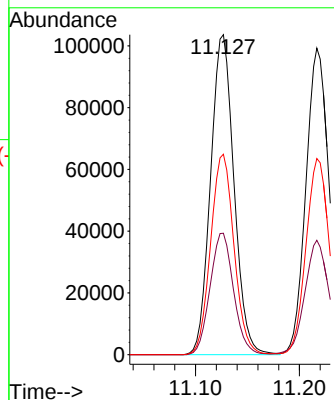
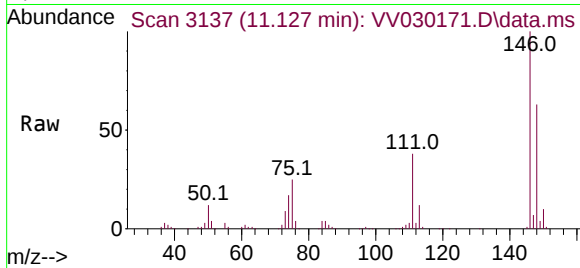




#64
1,3-Dichlorobenzene
Concen: 4.778 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

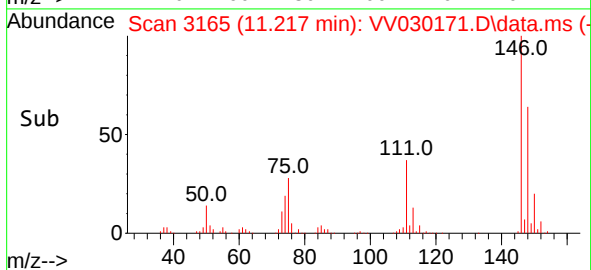
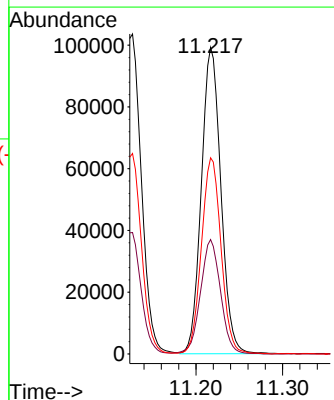
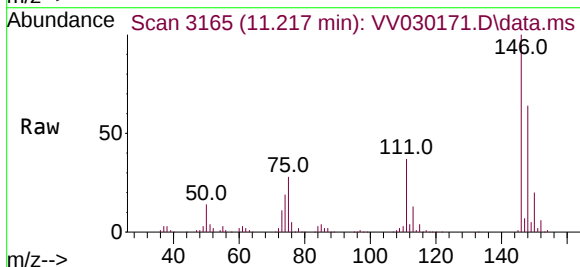
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

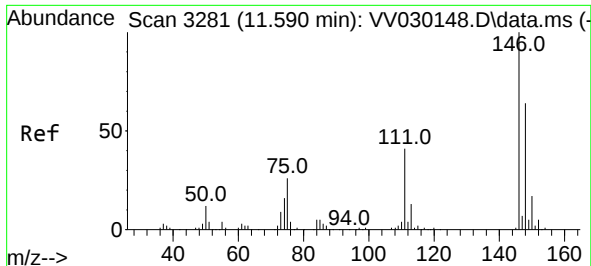
Tgt Ion:146 Resp: 161989
Ion Ratio Lower Upper
146 100
111 37.9 27.7 51.5
148 62.6 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.552 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion:146 Resp: 155704
Ion Ratio Lower Upper
146 100
111 37.3 27.4 51.0
148 64.0 44.1 81.9

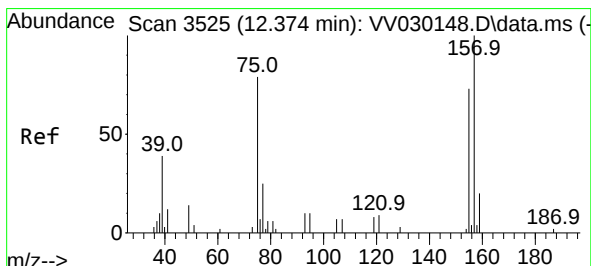
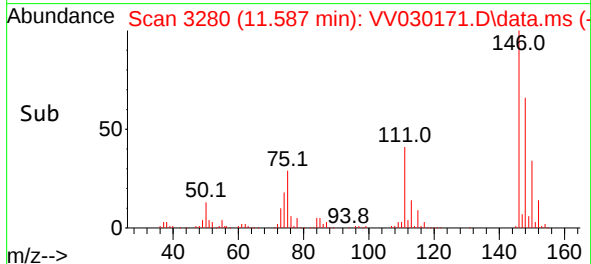
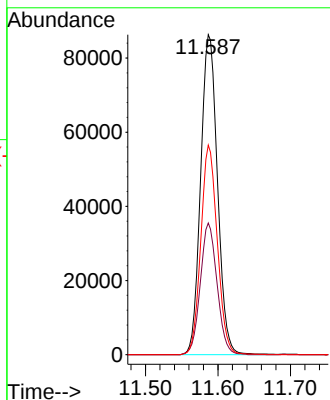
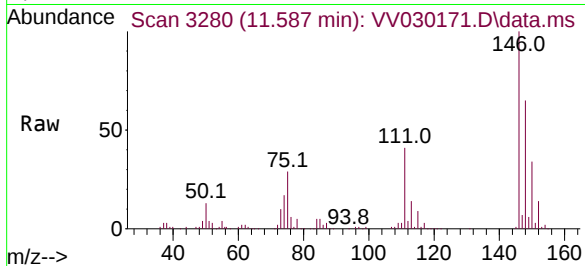




#67
1,2-Dichlorobenzene
Concen: 4.643 ug/L
RT: 11.587 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

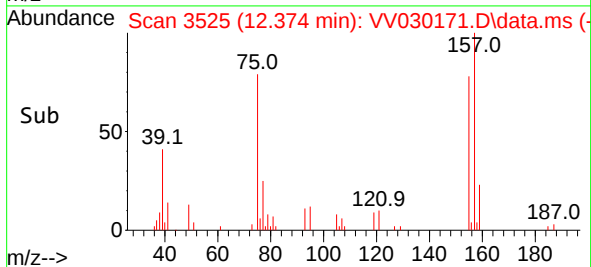
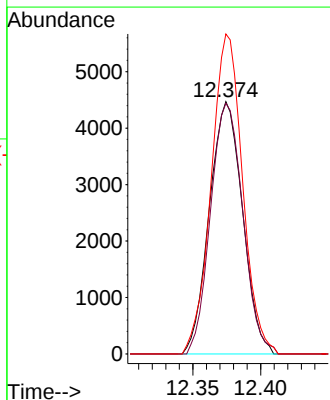
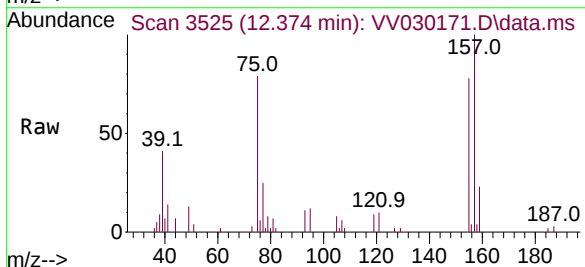
Instrument :
MSVOA_V
ClientSampleId :
VSTD005298

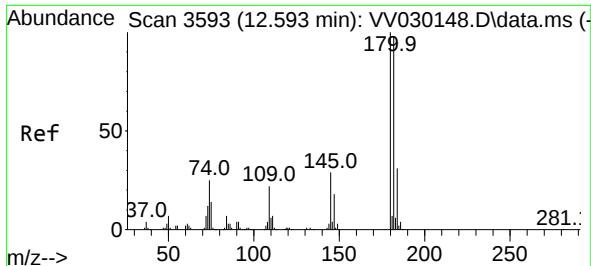
Tgt Ion:146 Resp: 138990
Ion Ratio Lower Upper
146 100
111 41.2 33.5 50.3
148 65.5 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 4.496 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030171.D
Acq: 13 Mar 2023 12:36

Tgt Ion: 75 Resp: 7606
Ion Ratio Lower Upper
75 100
155 99.4 79.1 118.7
157 126.9 95.5 143.3

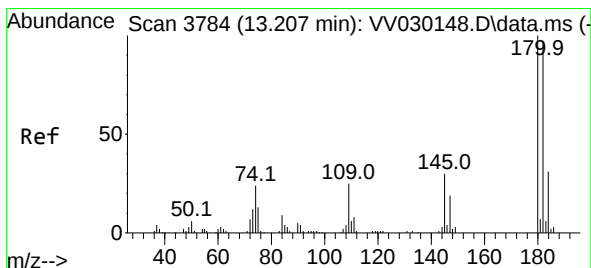
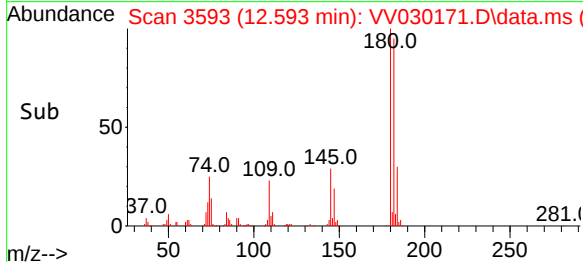
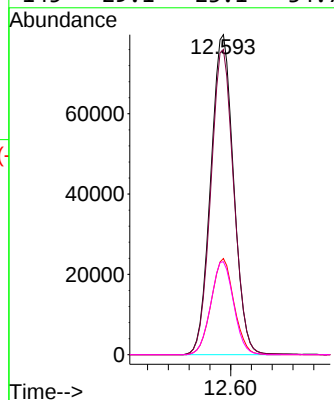
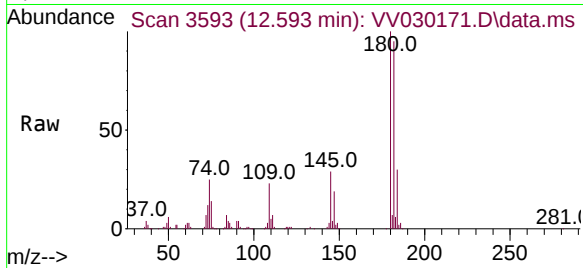




#69
 1,3,5-Trichlorobenzene
 Concen: 4.366 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.000 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

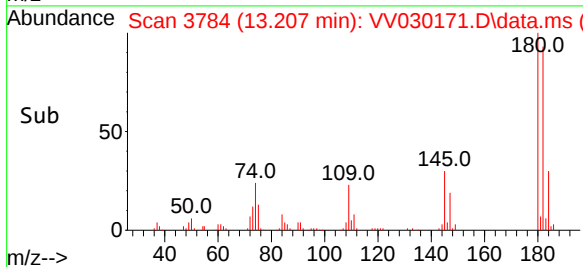
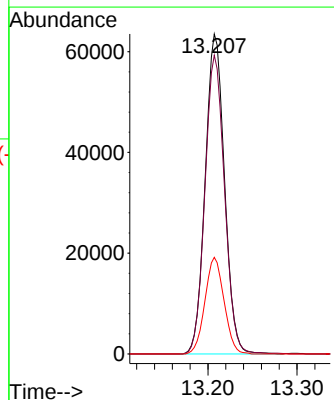
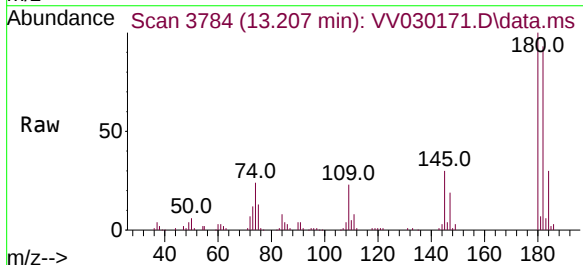
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005298

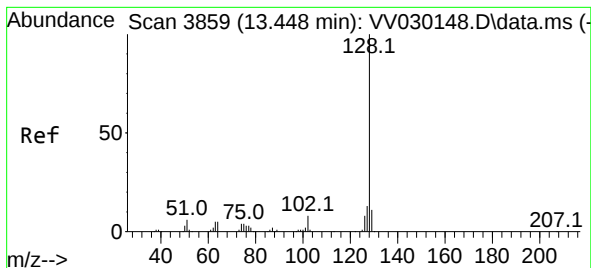
Tgt Ion:180	Resp:	121684
Ion Ratio	Lower	Upper
180	100	
182	95.7	76.5 114.7
184	29.9	24.3 36.5
145	29.1	23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.224 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030171.D
 Acq: 13 Mar 2023 12:36

Tgt Ion:180	Resp:	95381
Ion Ratio	Lower	Upper
180	100	
182	94.7	77.3 115.9
145	29.8	23.1 34.7





#71

Naphthalene

Concen: 4.146 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD005298

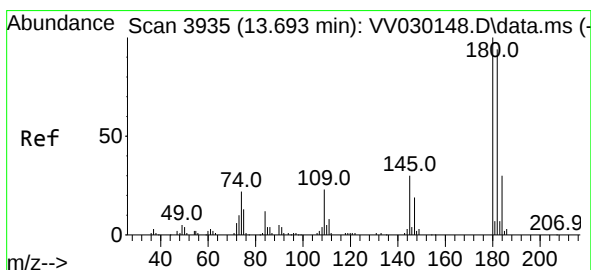
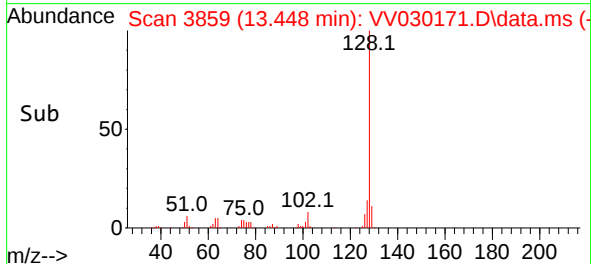
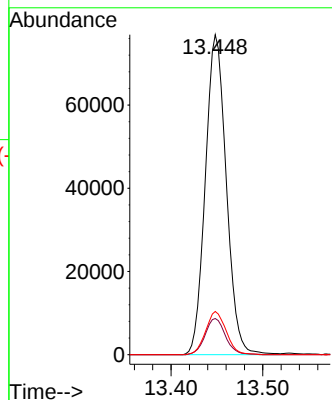
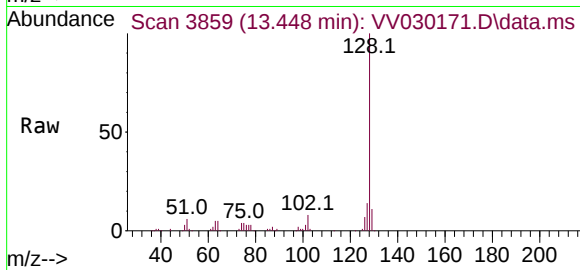
Tgt Ion:128 Resp: 122318

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.2 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.345 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.003 min

Lab File: VV030171.D

Acq: 13 Mar 2023 12:36

Tgt Ion:180 Resp: 80764

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 31.2 25.1 37.7

