

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032323\
 Data File : VW030317.D
 Acq On : 23 Mar 2023 19:51
 Operator : SY/MD
 Sample : 02053-08MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EYF73MS

Quant Time: Mar 24 02:53:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 24 02:42:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.548	114	122770	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	126408	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	80634	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.297	65	10762	1.324	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	26.400%#
7) Chloroethane-d5	1.555	69	18475	2.341	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	46.800%#
11) 1,1-Dichloroethene-d2	2.082	63	89068	4.616	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	3.805	46	378481	180.088	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	360.180%#
24) Chloroform-d	4.268	84	96544	4.906	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	4.960	65	61423	6.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.400%#
32) Benzene-d6	4.979	84	166825	4.683	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
36) 1,2-Dichloropropane-d6	6.001	67	54835	4.917	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.252	98	157404	4.812	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
43) trans-1,3-Dichloroprop...	7.561	79	25931	6.176	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	123.600%
46) 2-Hexanone-d5	8.034	63	340601	201.872	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	403.740%#
56) 1,1,2,2-Tetrachloroeth...	10.162	84	101078	11.500	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	230.000%#
66) 1,2-Dichlorobenzene-d4	11.570	152	76336	5.297	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	19699	1.262	ug/L	91
3) Chloromethane	1.233	50	39713	2.017	ug/L	94
5) Vinyl chloride	1.304	62	22068	1.537	ug/L	96
6) Bromomethane	1.510	94	2682	0.655	ug/L	95
8) Chloroethane	1.571	64	19428	2.362	ug/L	100
9) Trichlorofluoromethane	1.735	101	104595	4.997	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.088	101	58324	5.049	ug/L	98
12) 1,1-Dichloroethene	2.092	96	50965	4.968	ug/L	88
13) Acetone	2.137	43	271604	135.145	ug/L	88
14) Carbon disulfide	2.262	76	159038	4.707	ug/L	100
15) Methyl Acetate	2.391	43	59666	16.614	ug/L	91
16) Methylene chloride	2.468	84	48343	3.984	ug/L	95
17) Methyl tert-butyl Ether	2.722	73	163111	7.508	ug/L	99
18) trans-1,2-Dichloroethene	2.715	96	52985	4.903	ug/L	99
19) 1,1-Dichloroethane	3.133	63	100967	4.819	ug/L	97
21) 2-Butanone	3.889	43	372006	147.066	ug/L	91
22) cis-1,2-Dichloroethene	3.834	96	56313	5.192	ug/L	99
23) Bromochloromethane	4.169	128	23151	4.571	ug/L	96
25) Chloroform	4.294	83	107724	5.088	ug/L	94

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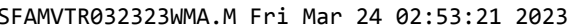
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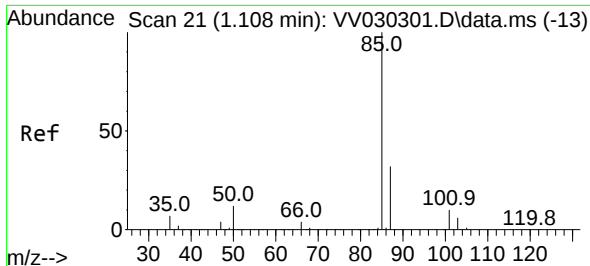
Quant Time: Mar 24 02:53:12 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	85788	6.702	ug/L	97
29) 1,1,1-Trichloroethane	4.532	97	100523	4.948	ug/L	100
30) Cyclohexane	4.603	56	88336	4.773	ug/L	99
31) Carbon tetrachloride	4.754	117	87880	4.767	ug/L	99
33) Benzene	5.027	78	218534	4.867	ug/L	100
34) Trichloroethene	5.847	95	56155	4.638	ug/L	98
35) Methylcyclohexane	6.066	83	86453	4.549	ug/L	99
37) 1,2-Dichloropropane	6.104	63	58126	5.043	ug/L	99
38) Bromodichloromethane	6.445	83	79663	5.278	ug/L	97
39) cis-1,3-Dichloropropene	6.966	75	85177	5.255	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	937900	154.418	ug/L	98
42) Toluene	7.326	91	241035	5.040	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	84375	6.118	ug/L	96
45) 1,1,2-Trichloroethane	7.776	97	56834	7.003	ug/L	98
47) Tetrachloroethene	7.915	164	48311	4.521	ug/L	92
48) 2-Hexanone	8.085	43	851962	187.292	ug/L	97
49) Dibromochloromethane	8.188	129	64899	6.718	ug/L	97
50) 1,2-Dibromoethane	8.291	107	64404	8.722	ug/L	96
51) Chlorobenzene	8.825	112	149397	4.879	ug/L	97
52) Ethylbenzene	8.956	91	246507	4.712	ug/L	97
53) m,p-Xylene	9.082	106	93870	4.687	ug/L	100
54) o-Xylene	9.487	106	90570	4.726	ug/L	97
55) Styrene	9.506	104	163775	5.031	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	111383	11.562	ug/L	100
59) Bromoform	9.673	173	56051	8.600	ug/L	99
60) Isopropylbenzene	9.876	105	251003	4.221	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	83988	11.650	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	207809	4.283	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	220730	4.464	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	143310	4.833	ug/L	98
65) 1,4-Dichlorobenzene	11.220	146	146380	4.900	ug/L	99
67) 1,2-Dichlorobenzene	11.590	146	147389	5.516	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	28072	15.655	ug/L	100
69) 1,3,5-Trichlorobenzene	12.593	180	106157	4.650	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	85322	4.840	ug/L	99
71) Naphthalene	13.451	128	254684	10.116	ug/L	99
72) 1,2,3-Trichlorobenzene	13.692	180	82240	5.385	ug/L	98

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

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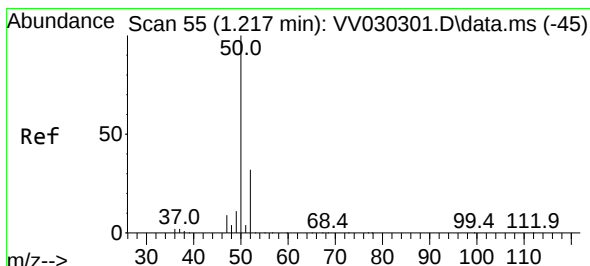
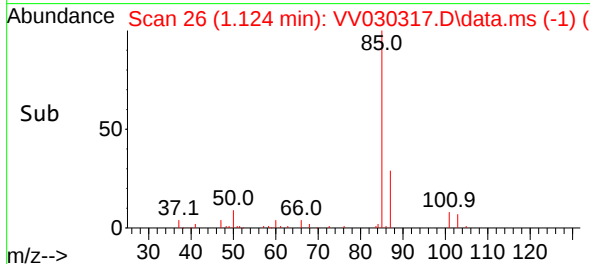
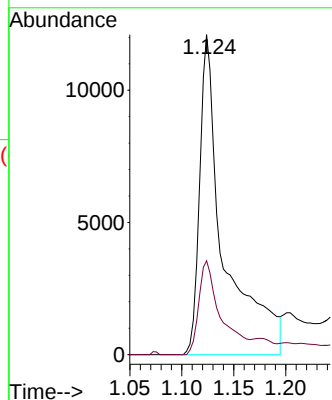
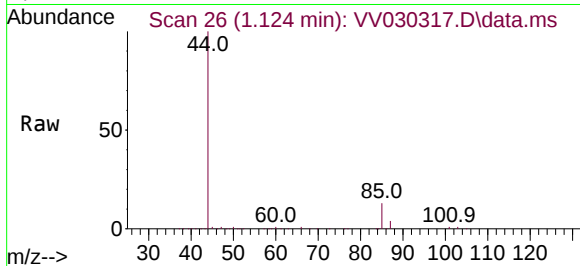




#2
Dichlorodifluoromethane
Concen: 1.262 ug/L
RT: 1.124 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

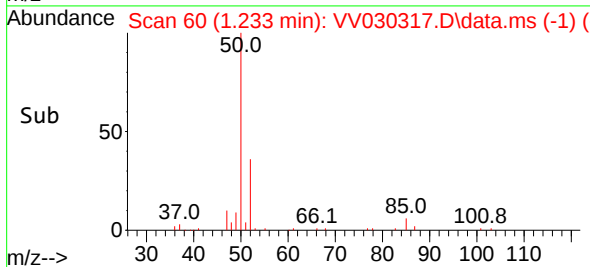
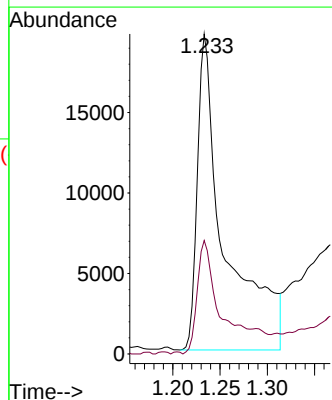
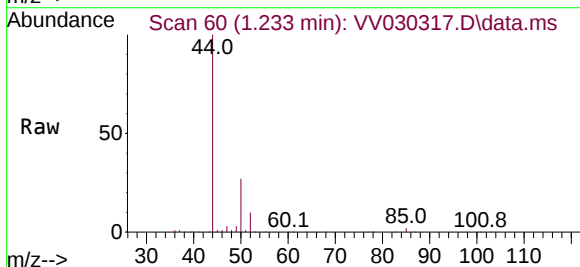
Instrument :
MSVOA_V
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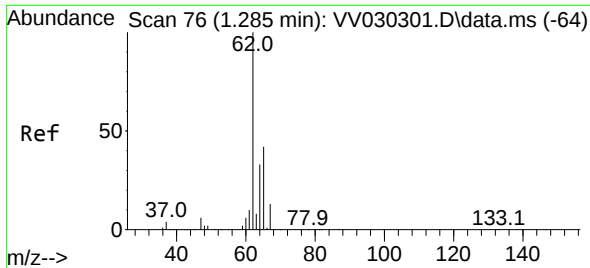
Tgt Ion: 85 Resp: 19699
Ion Ratio Lower Upper
85 100
87 27.0 25.6 38.4



#3
Chloromethane
Concen: 2.017 ug/L
RT: 1.233 min Scan# 60
Delta R.T. 0.016 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 50 Resp: 39713
Ion Ratio Lower Upper
50 100
52 35.5 22.3 41.5

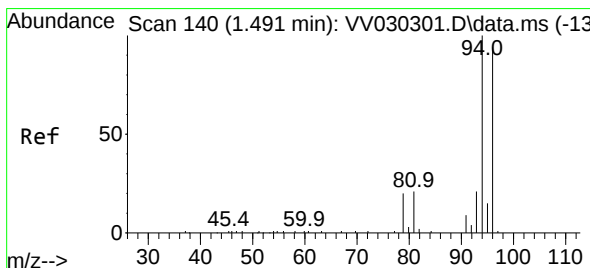
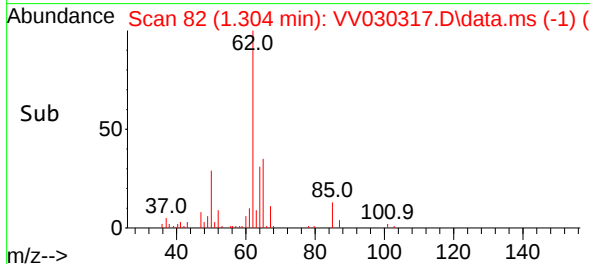
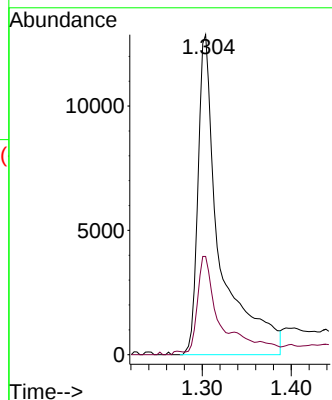
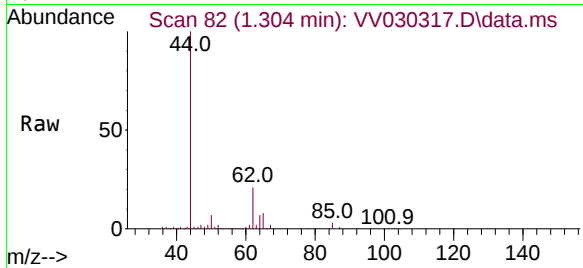




#5
 Vinyl chloride
 Concen: 1.537 ug/L
 RT: 1.304 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

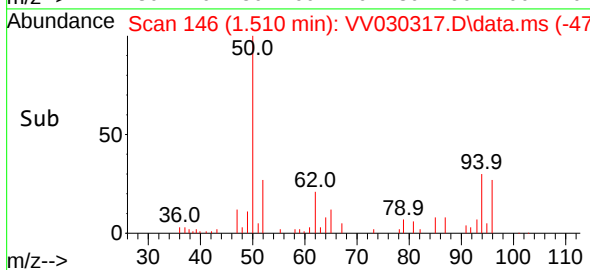
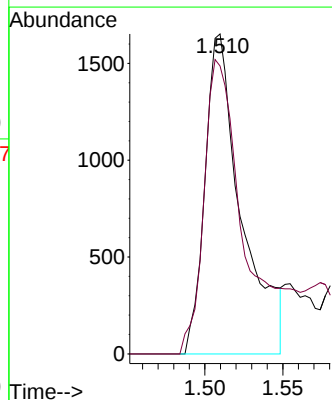
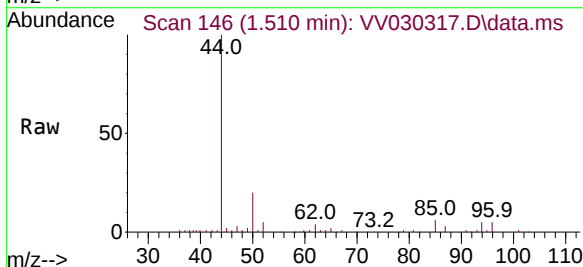
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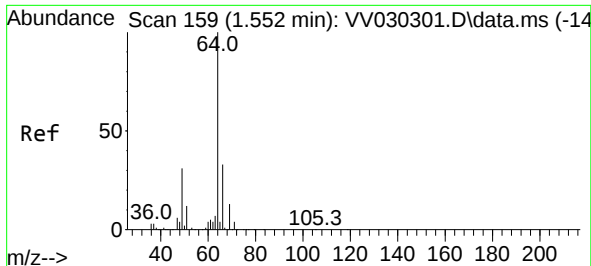
Tgt Ion: 62 Resp: 22068
 Ion Ratio Lower Upper
 62 100
 64 30.7 23.2 43.2



#6
 Bromomethane
 Concen: 0.655 ug/L
 RT: 1.510 min Scan# 146
 Delta R.T. 0.019 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

Tgt Ion: 94 Resp: 2682
 Ion Ratio Lower Upper
 94 100
 96 90.0 66.1 122.7

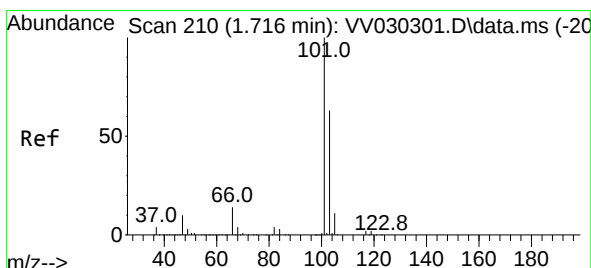
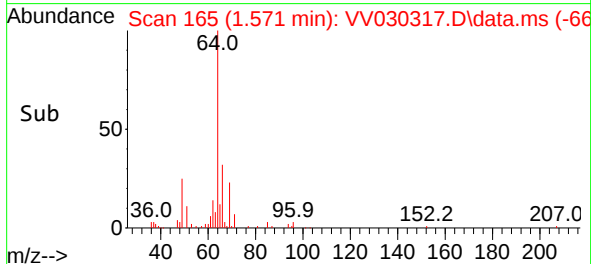
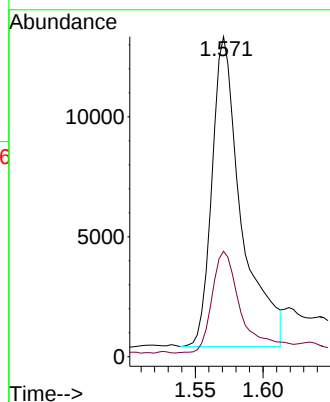
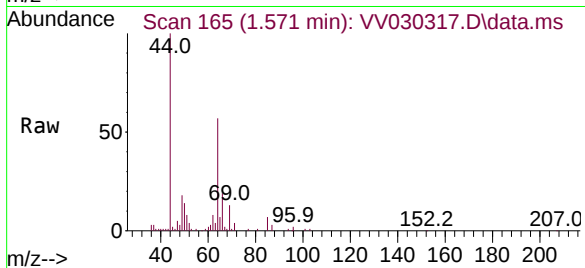




#8
Chloroethane
Concen: 2.362 ug/L
RT: 1.571 min Scan# 11
Delta R.T. 0.019 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

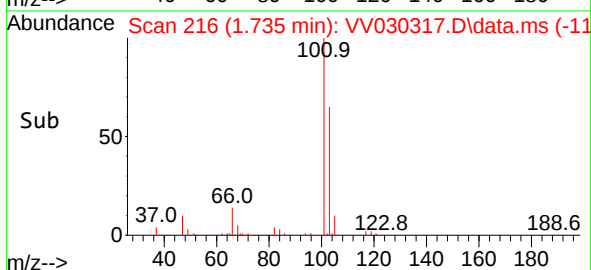
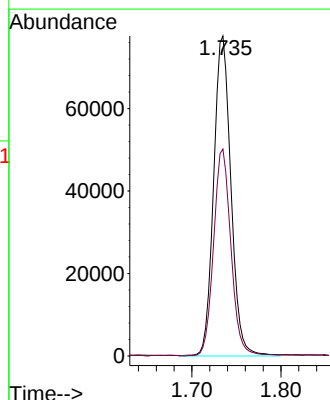
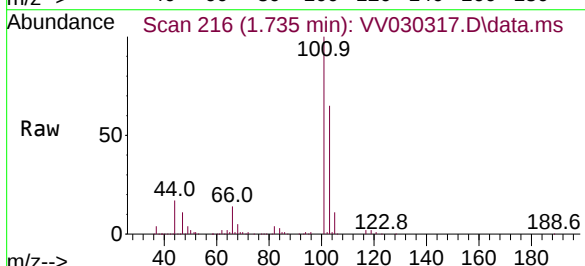
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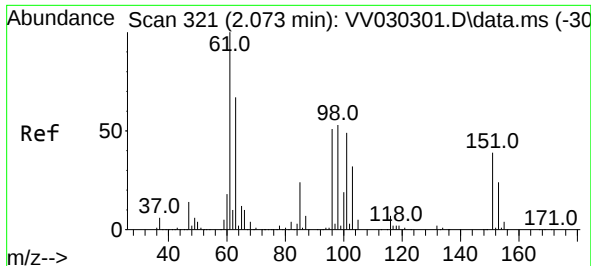
Tgt Ion: 64 Resp: 19428
Ion Ratio Lower Upper
64 100
66 33.0 23.0 42.8



#9
Trichlorofluoromethane
Concen: 4.997 ug/L
RT: 1.735 min Scan# 216
Delta R.T. 0.019 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 101 Resp: 104595
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.6

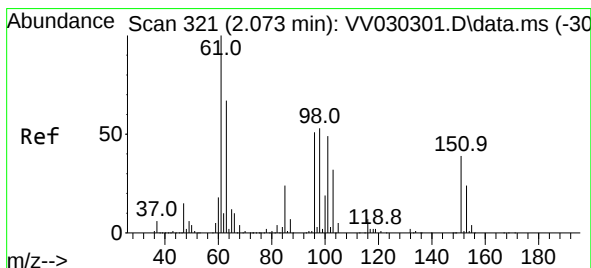
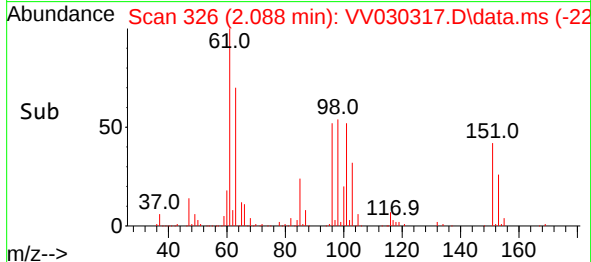
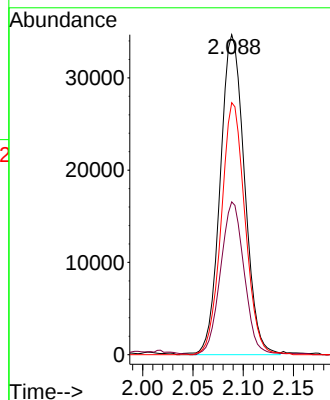
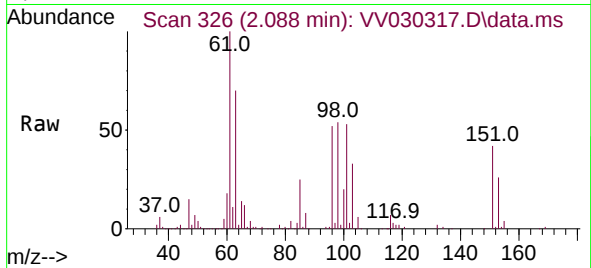




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.049 ug/L
 RT: 2.088 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

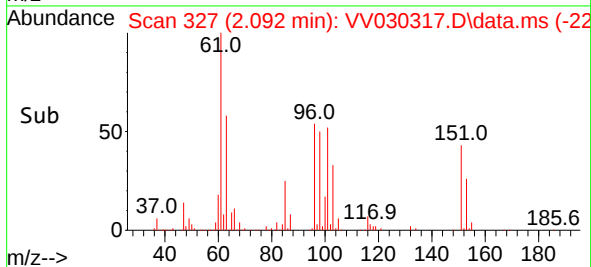
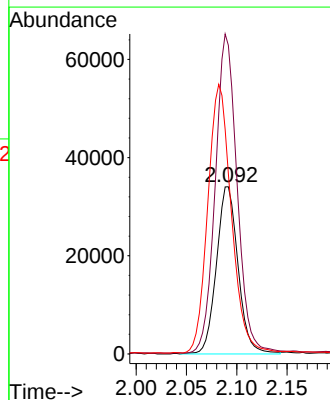
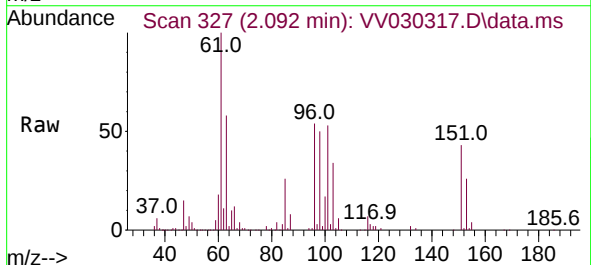
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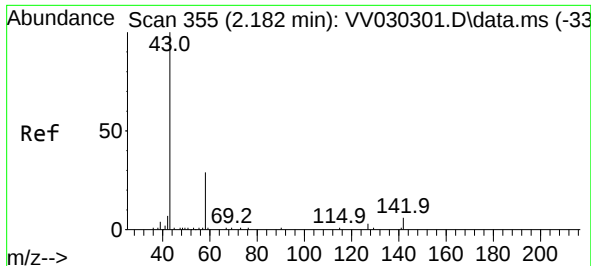
Tgt Ion:101 Resp: 58324
 Ion Ratio Lower Upper
 101 100
 85 46.4 38.1 57.1
 151 77.2 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.968 ug/L
 RT: 2.092 min Scan# 327
 Delta R.T. 0.019 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

Tgt Ion: 96 Resp: 50965
 Ion Ratio Lower Upper
 96 100
 61 184.5 136.3 253.1
 63 107.8 92.1 171.1





#13

Acetone

Concen: 135.145 ug/L

RT: 2.137 min Scan# 34

Delta R.T. -0.045 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

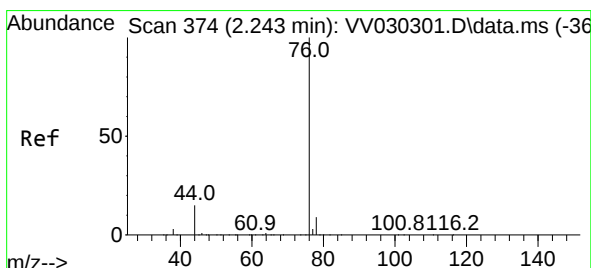
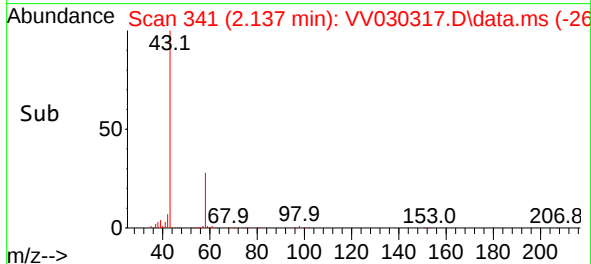
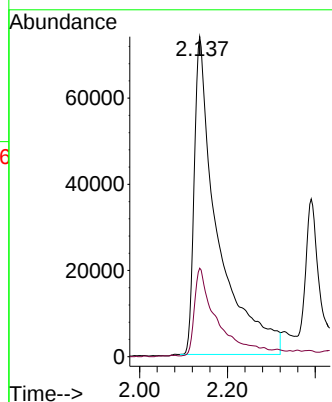
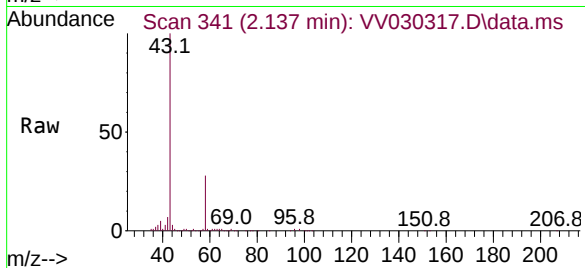
EYF73MS

Tgt Ion: 43 Resp: 271604

Ion Ratio Lower Upper

43 100

58 26.1 0.0 40.8



#14

Carbon disulfide

Concen: 4.707 ug/L

RT: 2.262 min Scan# 380

Delta R.T. 0.019 min

Lab File: VV030317.D

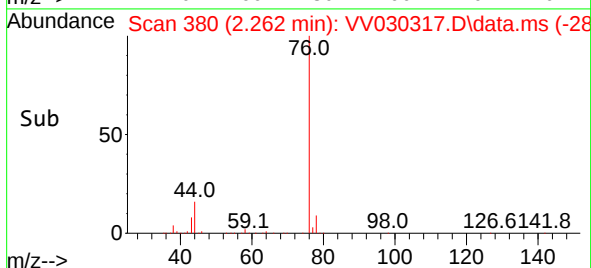
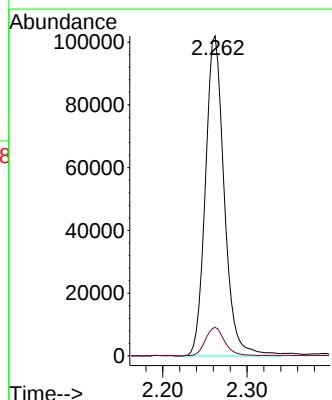
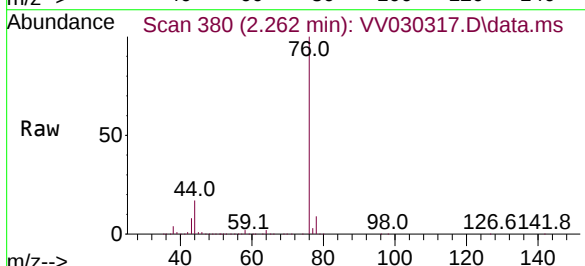
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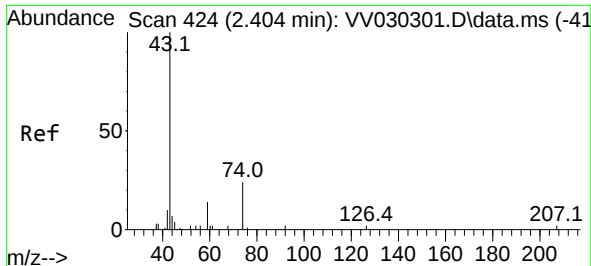
Tgt Ion: 76 Resp: 159038

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

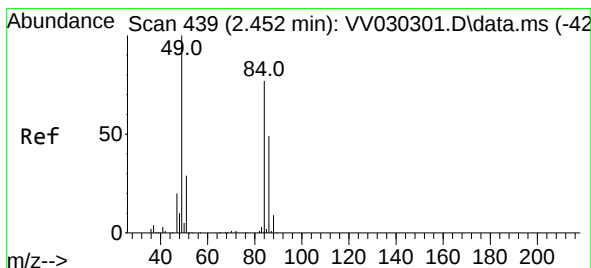
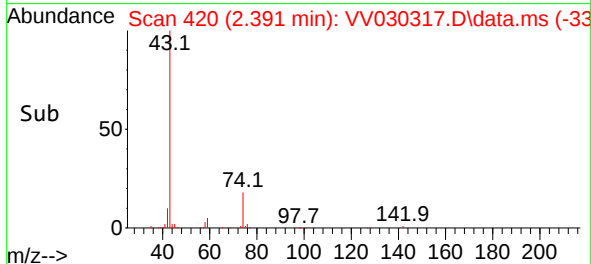
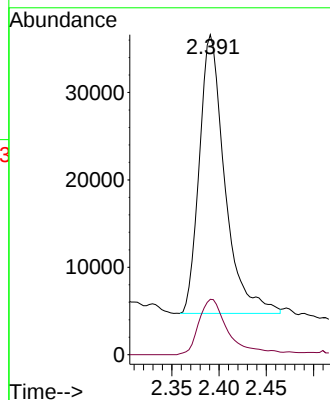
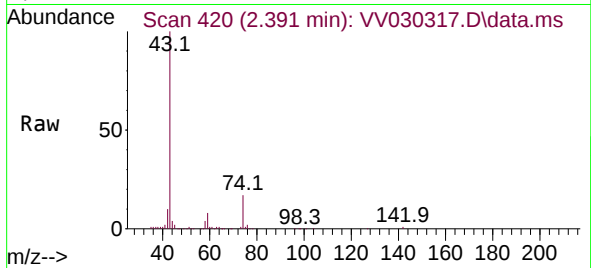




#15
Methyl Acetate
Concen: 16.614 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.013 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

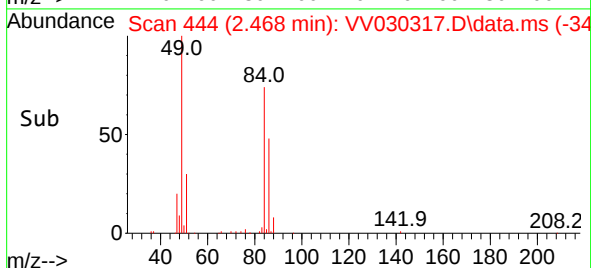
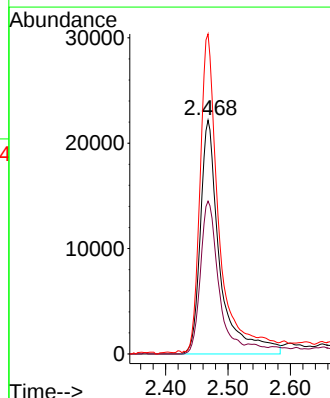
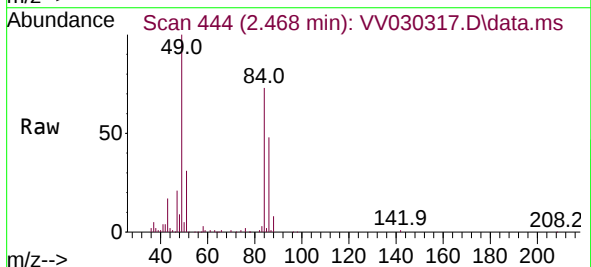
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

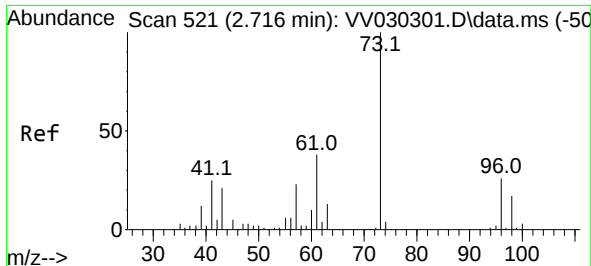
Tgt Ion: 43 Resp: 59666
Ion Ratio Lower Upper
43 100
74 23.1 22.1 33.1



#16
Methylene chloride
Concen: 3.984 ug/L
RT: 2.468 min Scan# 444
Delta R.T. 0.016 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 84 Resp: 48343
Ion Ratio Lower Upper
84 100
86 65.4 44.0 81.6
49 136.9 90.6 168.3

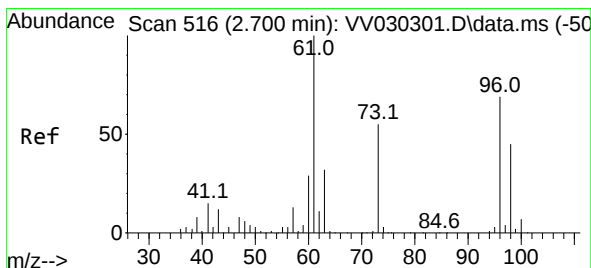
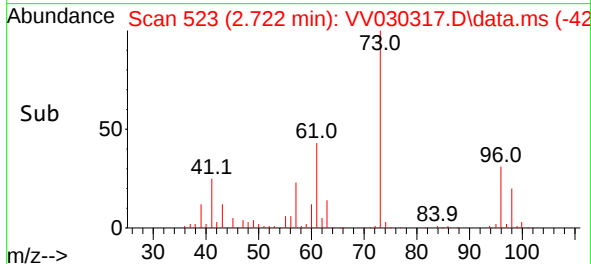
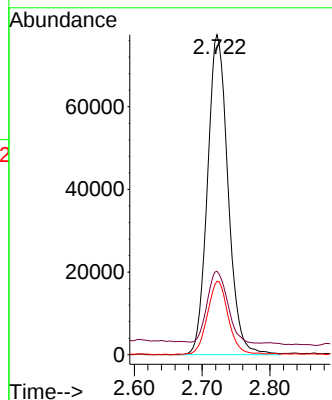
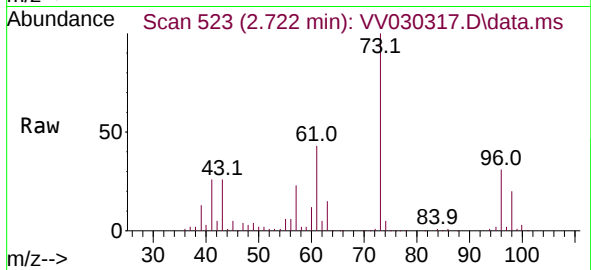




#17
Methyl tert-butyl Ether
Concen: 7.508 ug/L
RT: 2.722 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

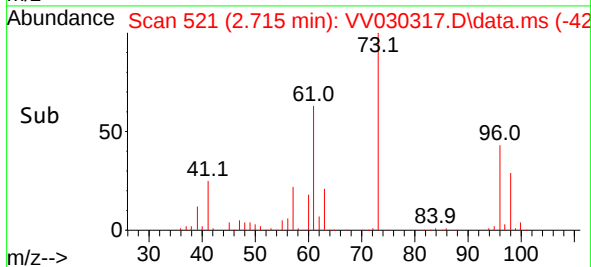
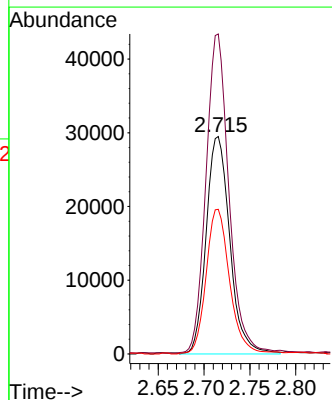
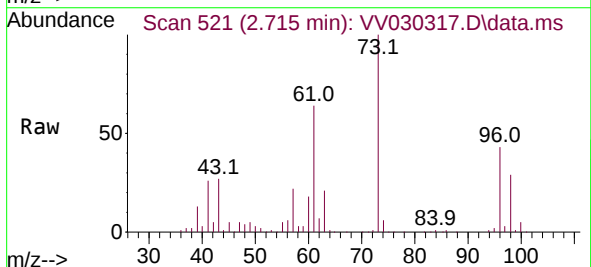
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

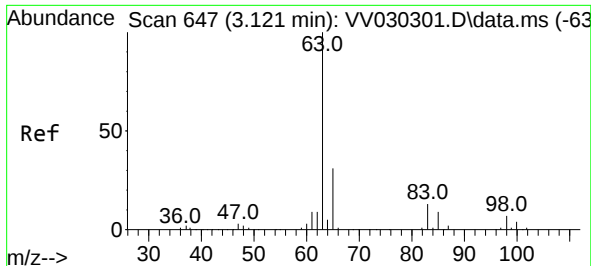
Tgt Ion: 73 Resp: 163111
Ion Ratio Lower Upper
73 100
43 22.4 17.4 26.2
57 23.3 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.903 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.016 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 96 Resp: 52985
Ion Ratio Lower Upper
96 100
61 147.2 101.7 188.9
98 66.5 45.8 85.2





#19

1,1-Dichloroethane

Concen: 4.819 ug/L

RT: 3.133 min Scan# 61

Delta R.T. 0.013 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

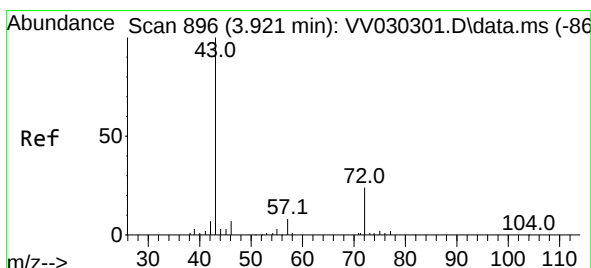
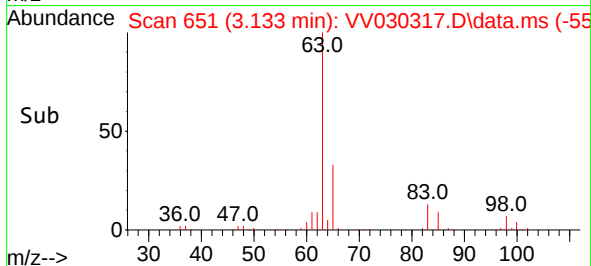
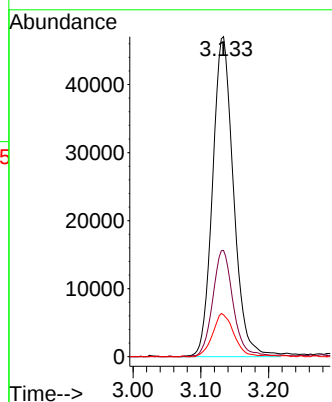
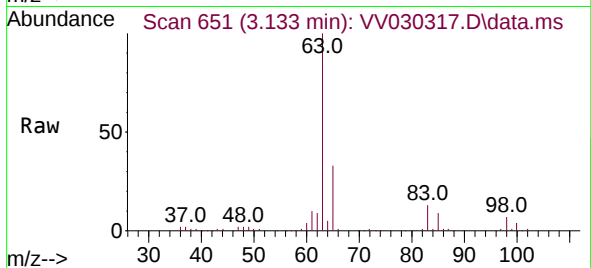
Tgt Ion: 63 Resp: 100967

Ion Ratio Lower Upper

63 100

65 33.2 21.7 40.3

83 13.1 9.1 16.9



#21

2-Butanone

Concen: 147.066 ug/L

RT: 3.889 min Scan# 886

Delta R.T. -0.032 min

Lab File: VV030317.D

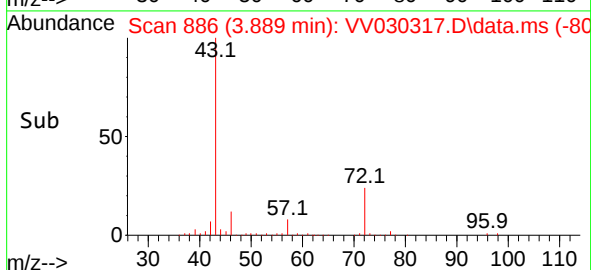
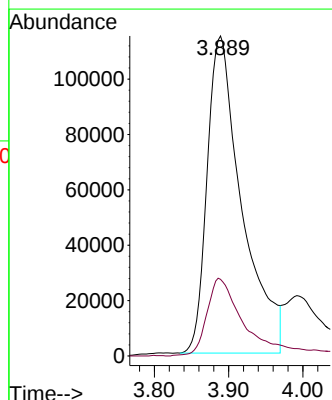
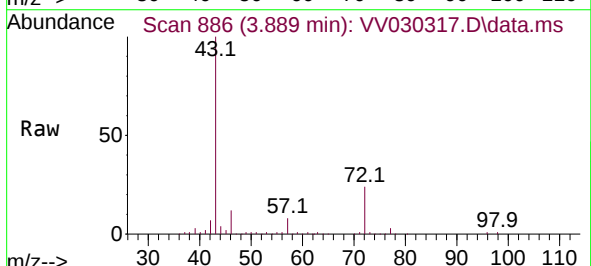
Acq: 23 Mar 2023 19:51

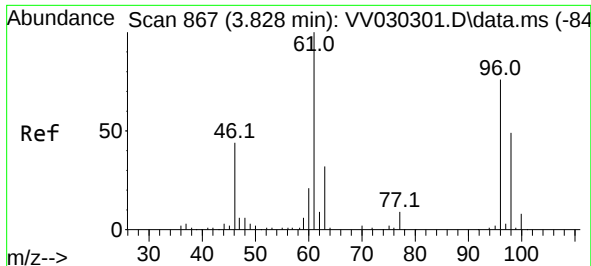
Tgt Ion: 43 Resp: 372006

Ion Ratio Lower Upper

43 100

72 26.4 11.2 33.5





#22

cis-1,2-Dichloroethene

Concen: 5.192 ug/L

RT: 3.834 min Scan# 80

Delta R.T. 0.006 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

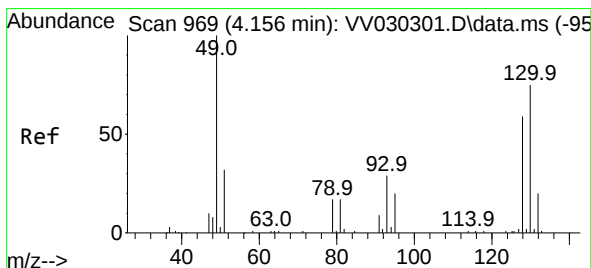
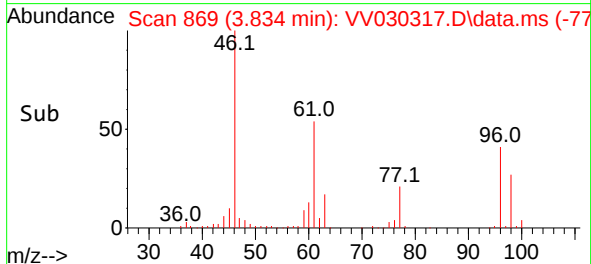
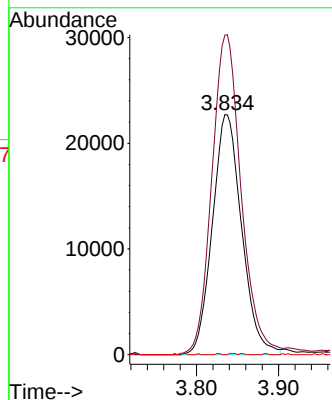
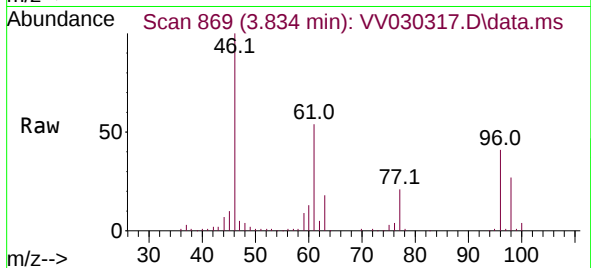
Tgt Ion: 96 Resp: 56313

Ion Ratio Lower Upper

96 100

61 133.1 92.0 170.8

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 4.571 ug/L

RT: 4.169 min Scan# 973

Delta R.T. 0.013 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Tgt Ion:128 Resp: 23151

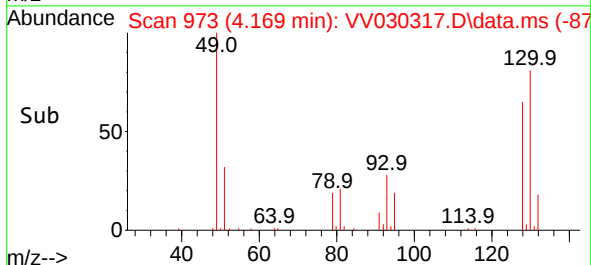
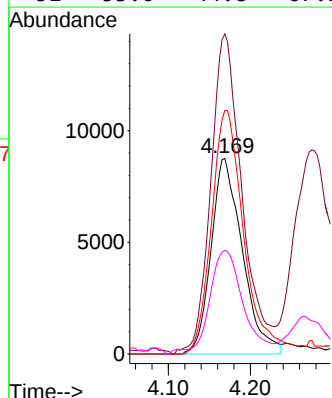
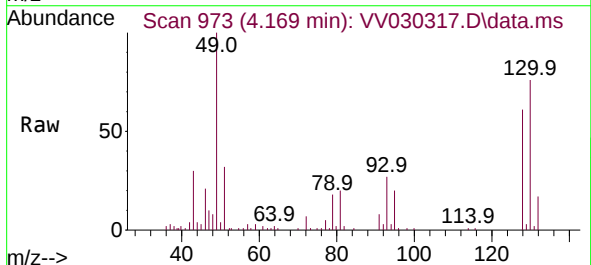
Ion Ratio Lower Upper

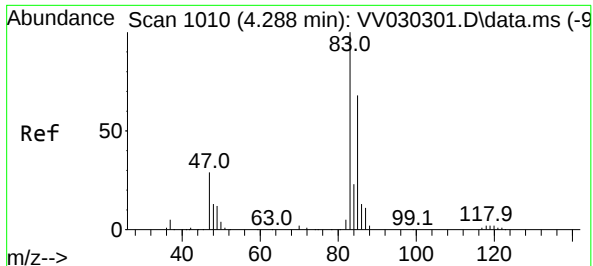
128 100

49 163.6 119.4 221.8

130 124.5 89.2 165.8

51 53.0 44.8 67.2





#25

Chloroform

Concen: 5.088 ug/L

RT: 4.294 min Scan# 1012

Delta R.T. 0.006 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

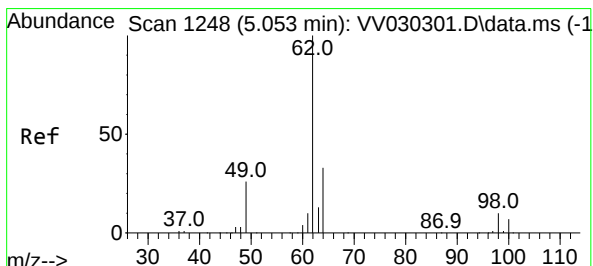
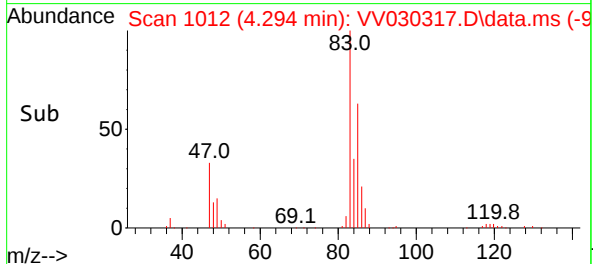
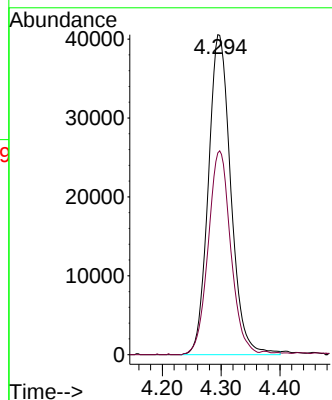
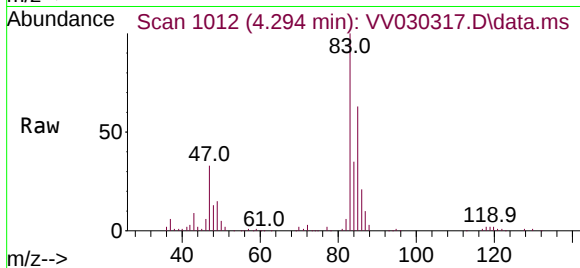
EYF73MS

Tgt Ion: 83 Resp: 107724

Ion Ratio Lower Upper

83 100

85 63.0 47.6 88.4



#27

1,2-Dichloroethane

Concen: 6.702 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. 0.003 min

Lab File: VV030317.D

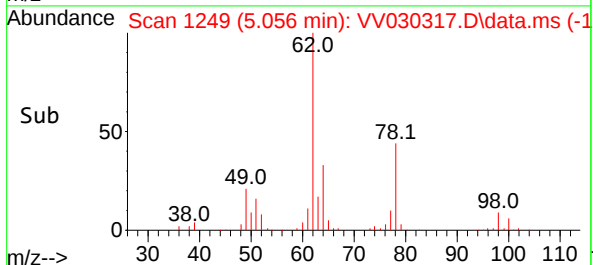
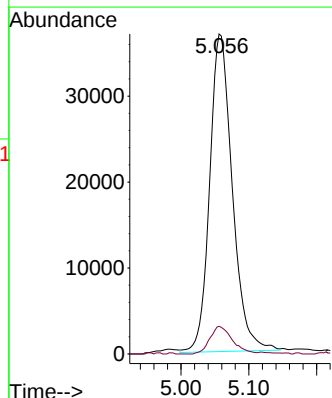
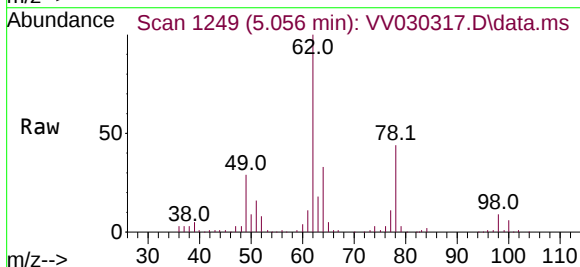
Acq: 23 Mar 2023 19:51

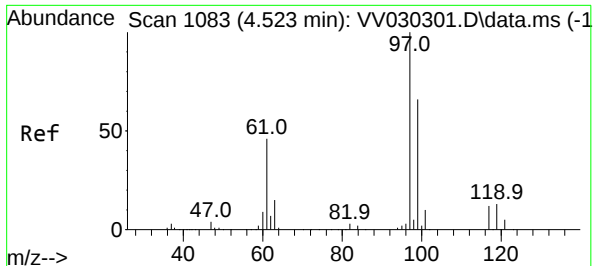
Tgt Ion: 62 Resp: 85788

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 4.948 ug/L

RT: 4.532 min Scan# 1108

Delta R.T. 0.010 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

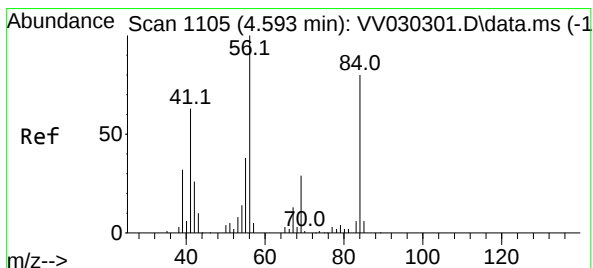
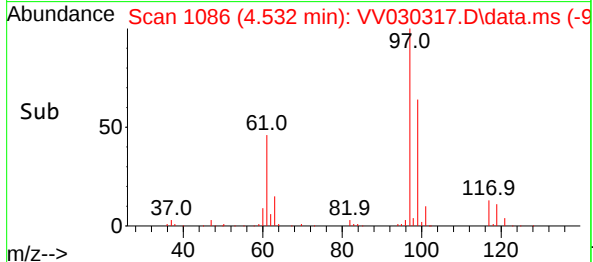
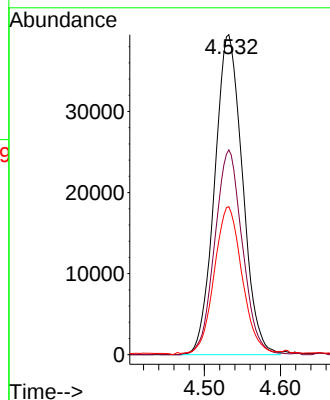
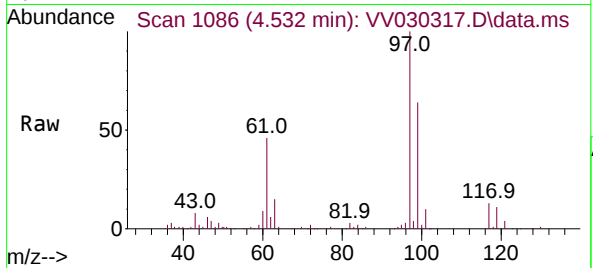
Tgt Ion: 97 Resp: 100523

Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

61 45.5 35.9 53.9



#30

Cyclohexane

Concen: 4.773 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.010 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

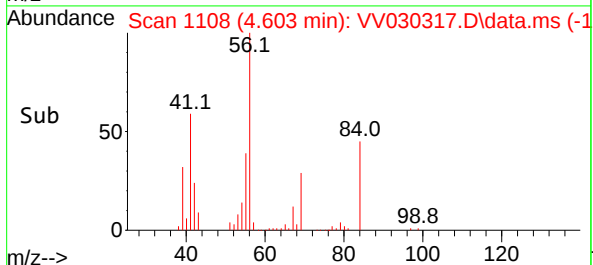
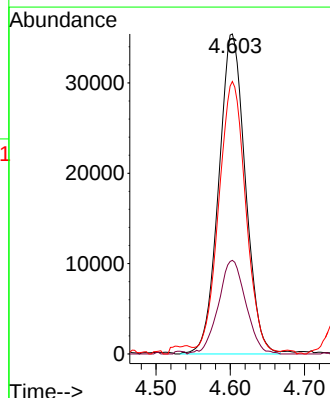
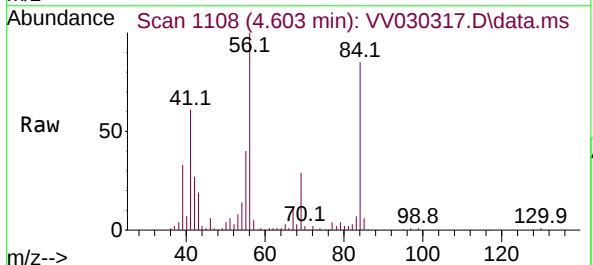
Tgt Ion: 56 Resp: 88336

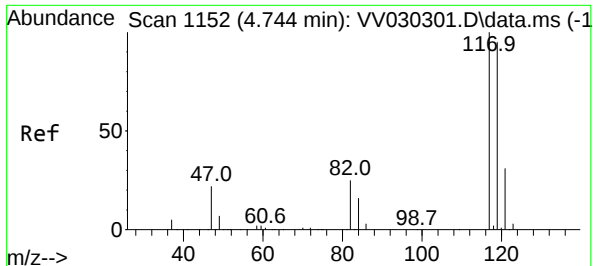
Ion Ratio Lower Upper

56 100

69 30.1 24.2 36.2

84 84.6 66.6 100.0

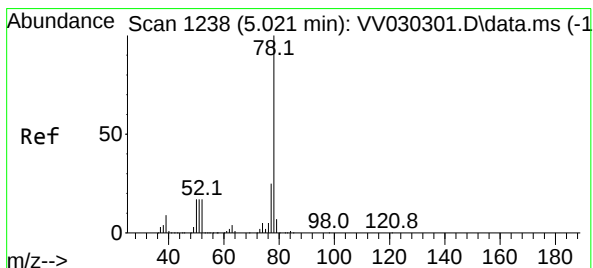
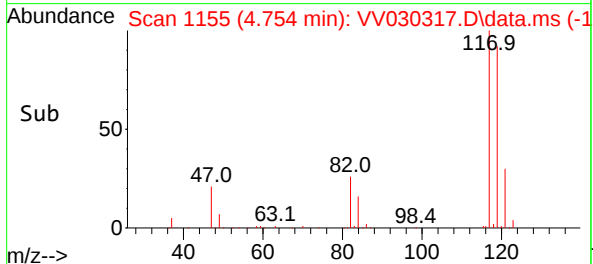
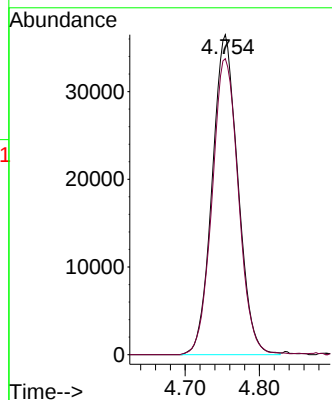
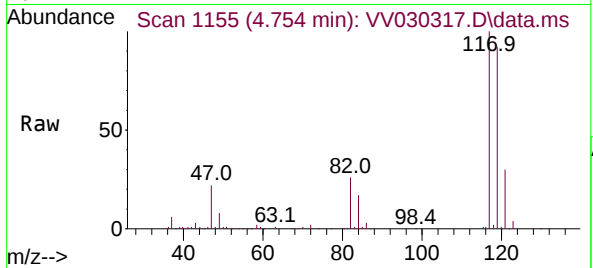




#31
Carbon tetrachloride
Concen: 4.767 ug/L
RT: 4.754 min Scan# 1155
Delta R.T. 0.010 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

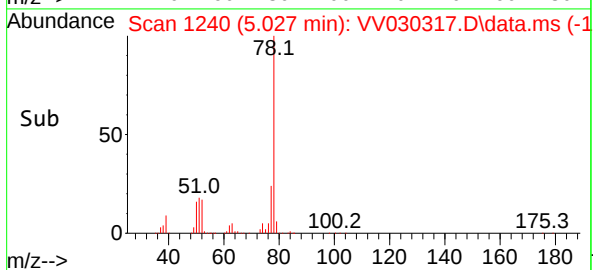
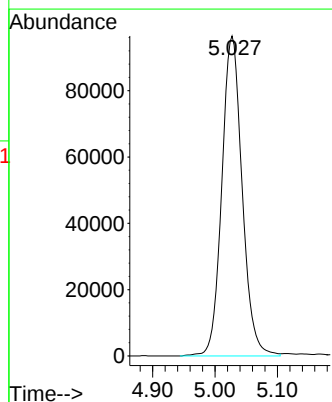
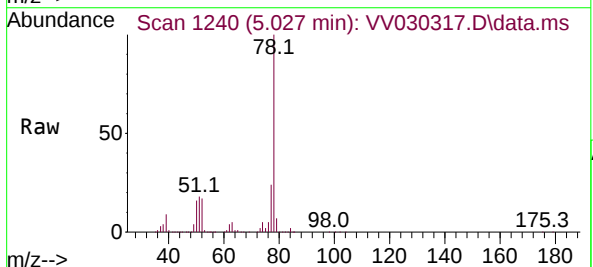
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

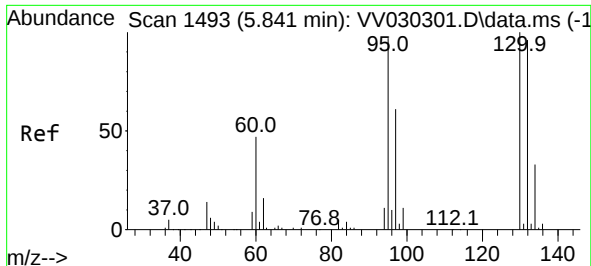
Tgt Ion:117 Resp: 87880
Ion Ratio Lower Upper
117 100
119 94.7 76.2 114.4



#33
Benzene
Concen: 4.867 ug/L
RT: 5.027 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 78 Resp: 218534



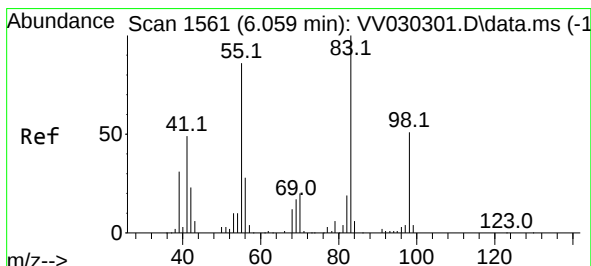
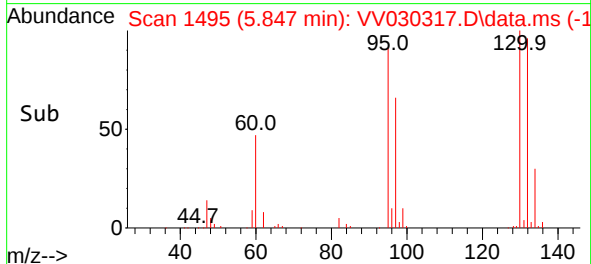
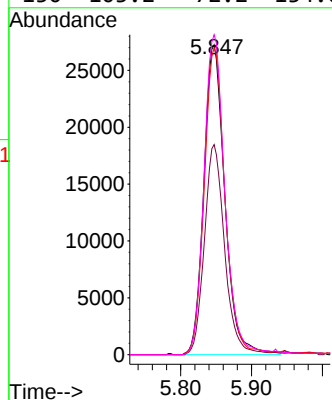
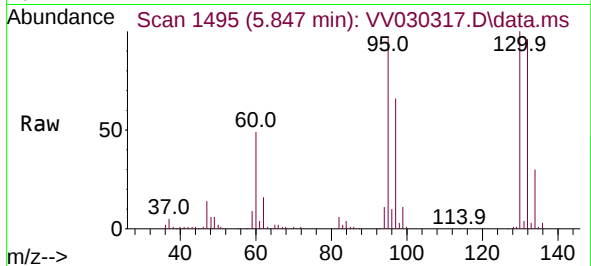


#34
Trichloroethene
Concen: 4.638 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

Tgt Ion: 95 Resp: 56155

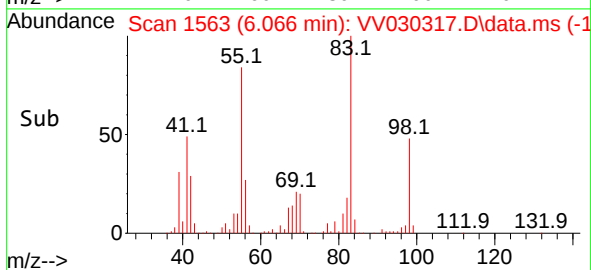
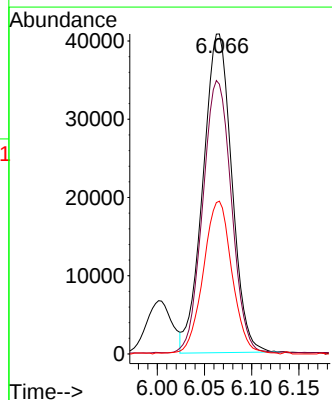
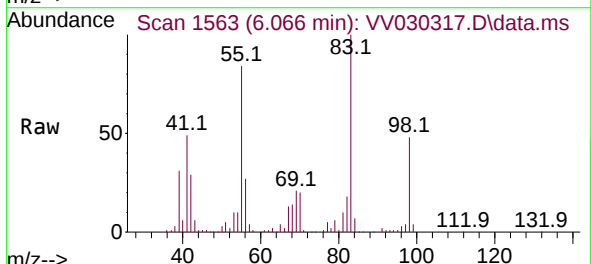
Ion	Ratio	Lower	Upper
95	100		
97	67.8	44.2	82.2
132	99.0	69.5	129.1
130	103.2	72.2	134.0

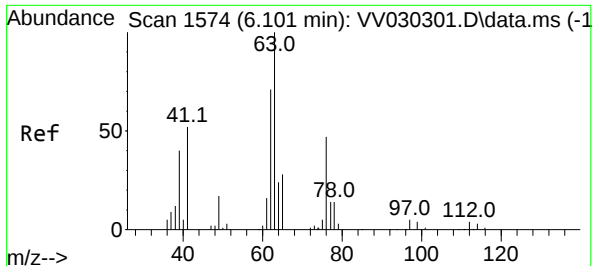


#35
Methylcyclohexane
Concen: 4.549 ug/L
RT: 6.066 min Scan# 1563
Delta R.T. 0.006 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 83 Resp: 86453

Ion	Ratio	Lower	Upper
83	100		
55	84.8	66.6	100.0
98	47.8	38.6	58.0

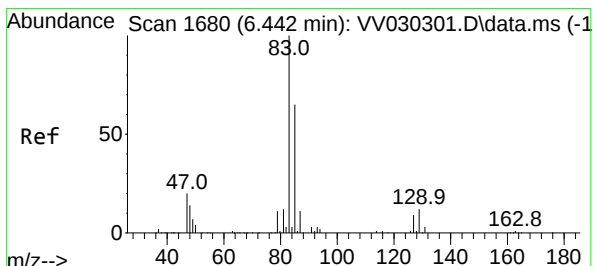
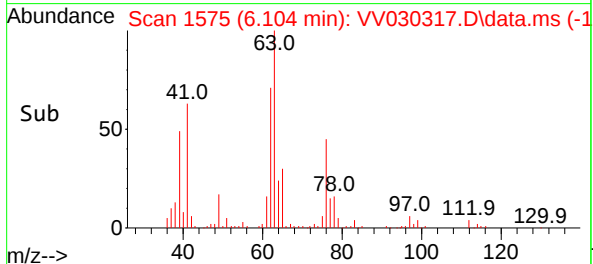
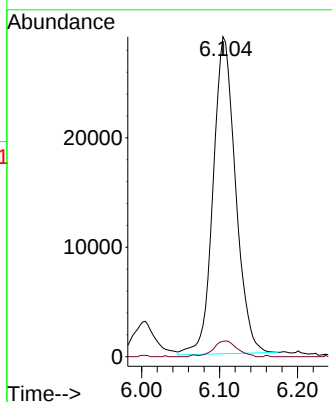
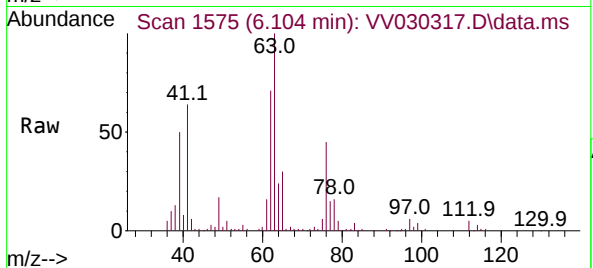




#37
1,2-Dichloropropane
Concen: 5.043 ug/L
RT: 6.104 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

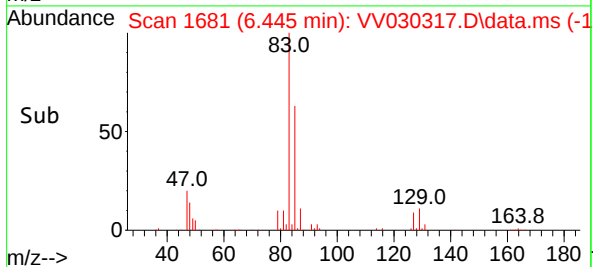
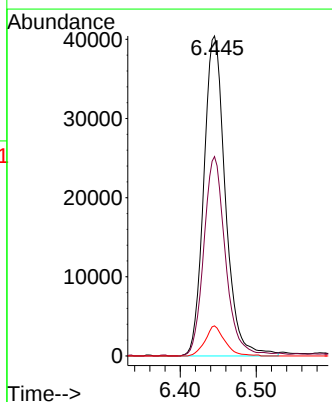
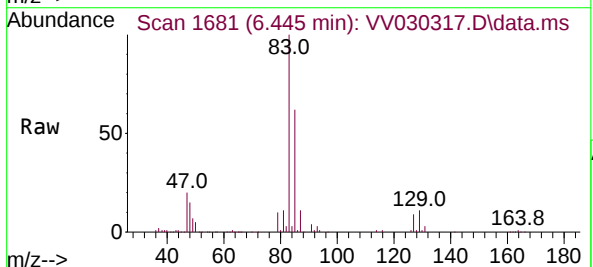
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

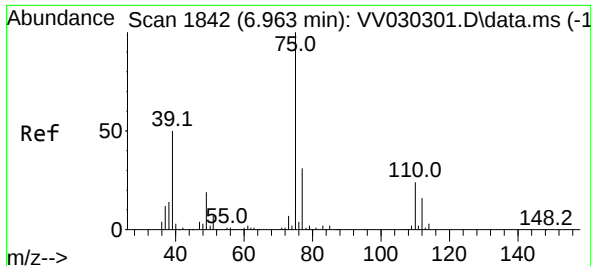
Tgt Ion: 63 Resp: 58126
Ion Ratio Lower Upper
63 100
112 5.1 3.9 5.9



#38
Bromodichloromethane
Concen: 5.278 ug/L
RT: 6.445 min Scan# 1681
Delta R.T. 0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 83 Resp: 79663
Ion Ratio Lower Upper
83 100
85 62.3 45.3 84.1
127 9.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 5.255 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

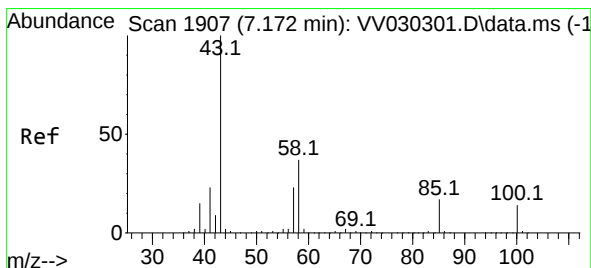
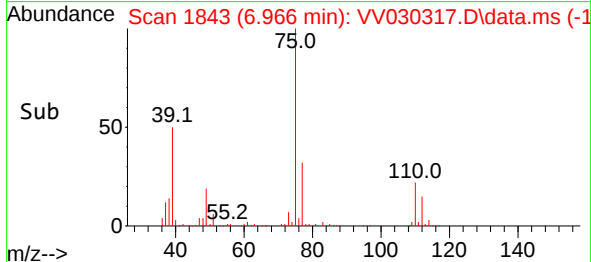
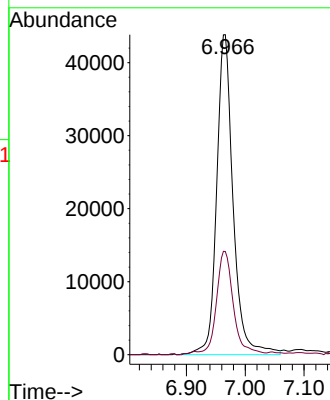
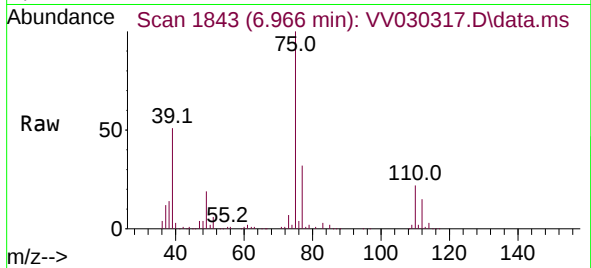
EYF73MS

Tgt Ion: 75 Resp: 85177

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 154.418 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.007 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

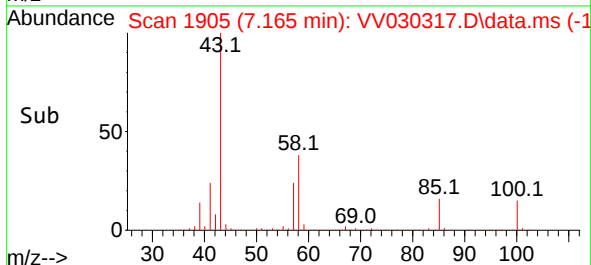
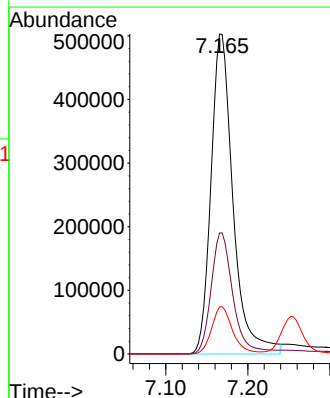
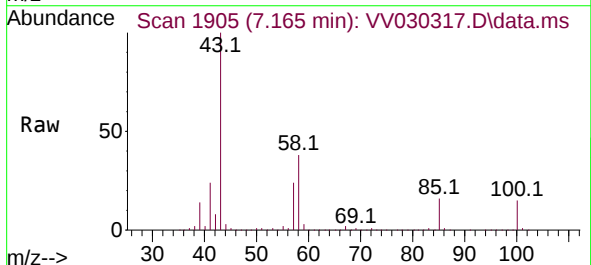
Tgt Ion: 43 Resp: 937900

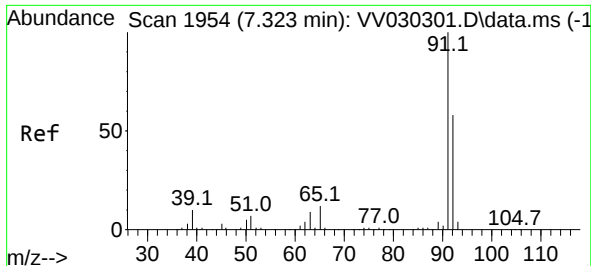
Ion Ratio Lower Upper

43 100

58 37.6 28.8 43.2

100 14.1 10.7 16.1





#42

Toluene

Concen: 5.040 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

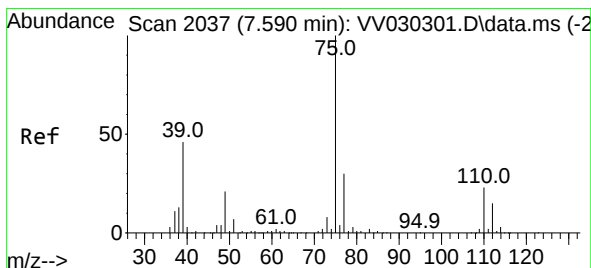
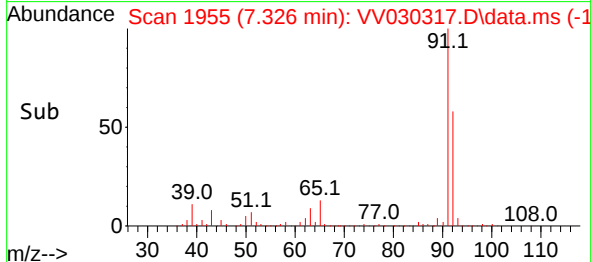
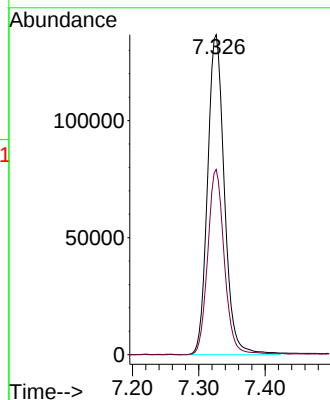
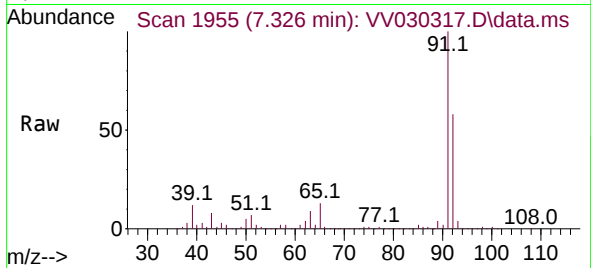
EYF73MS

Tgt Ion: 91 Resp: 241035

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 6.118 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030317.D

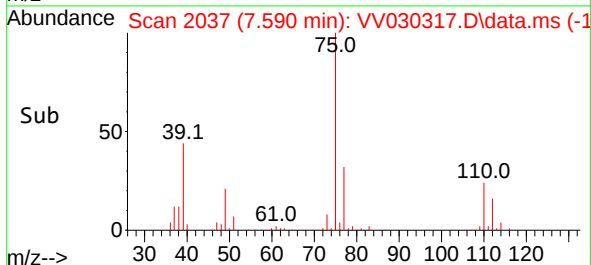
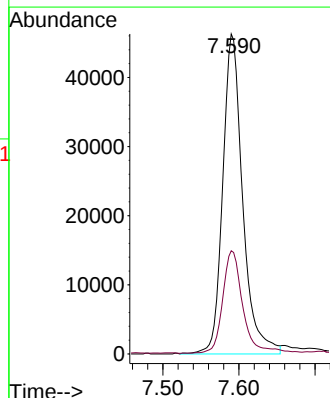
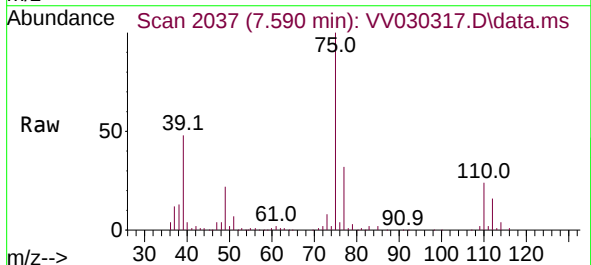
Acq: 23 Mar 2023 19:51

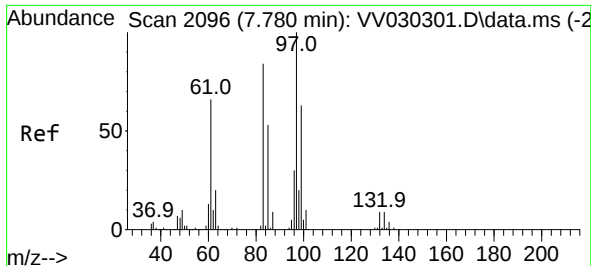
Tgt Ion: 75 Resp: 84375

Ion Ratio Lower Upper

75 100

77 32.3 21.2 39.4





#45

1,1,2-Trichloroethane

Concen: 7.003 ug/L

RT: 7.776 min Scan# 2096

Delta R.T. -0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

Tgt Ion: 97 Resp: 56834

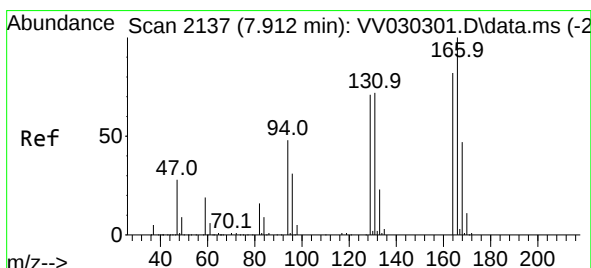
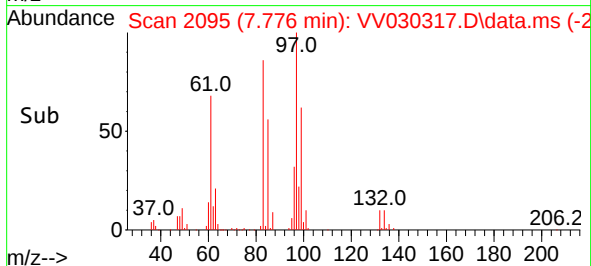
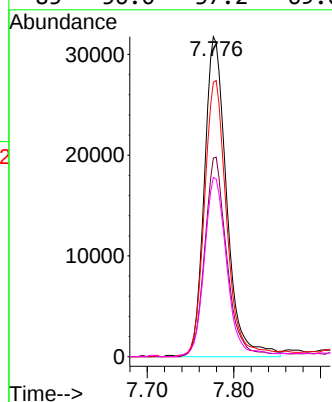
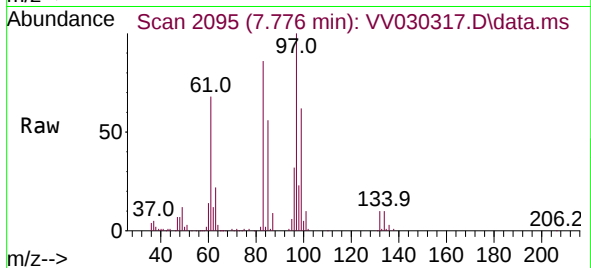
Ion Ratio Lower Upper

97 100

99 62.0 44.0 81.8

83 85.7 58.8 109.2

85 56.0 37.2 69.0



#47

Tetrachloroethene

Concen: 4.521 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Tgt Ion:164 Resp: 48311

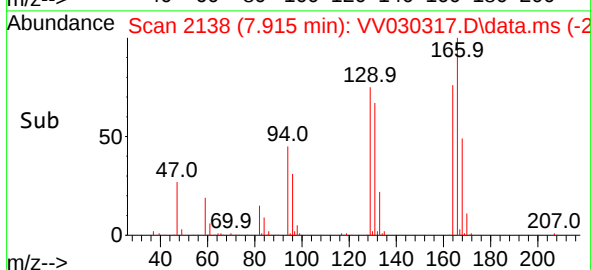
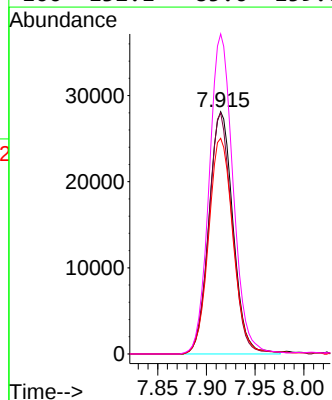
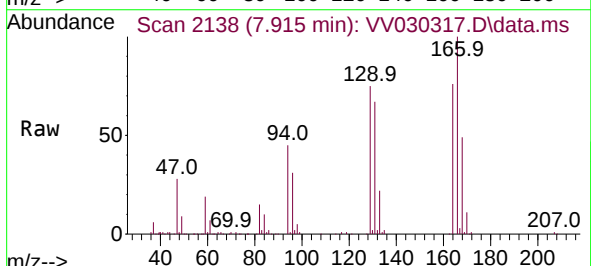
Ion Ratio Lower Upper

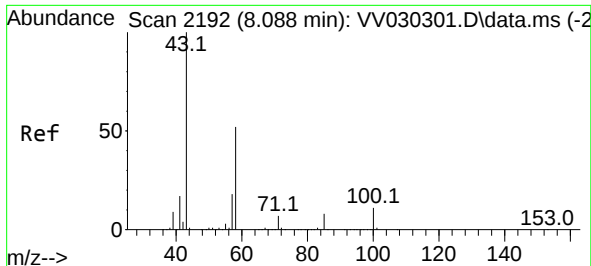
164 100

129 99.5 60.8 112.8

131 89.1 61.7 114.7

166 132.1 85.6 159.0

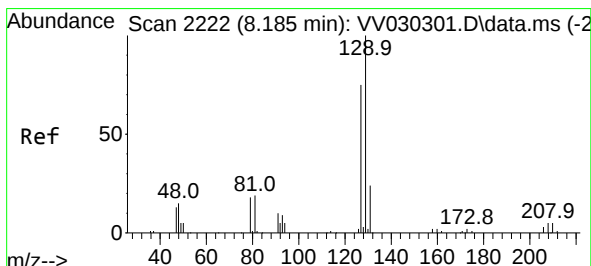
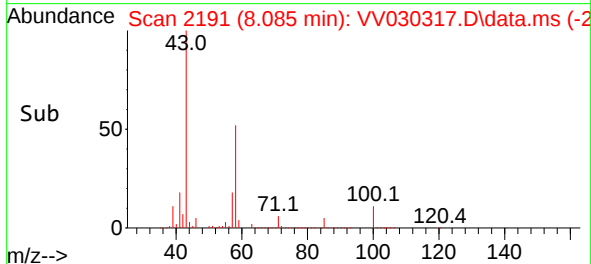
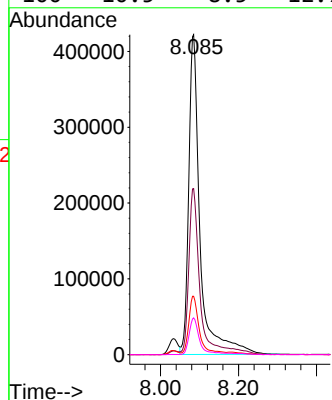
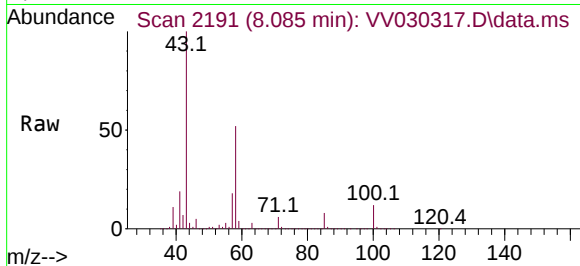




#48
2-Hexanone
Concen: 187.292 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

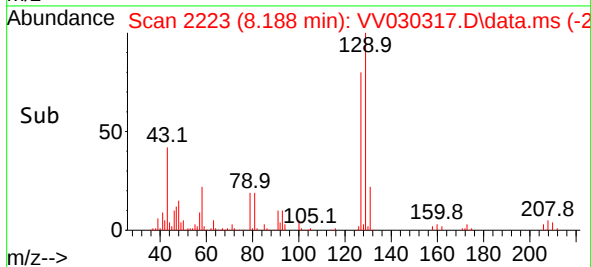
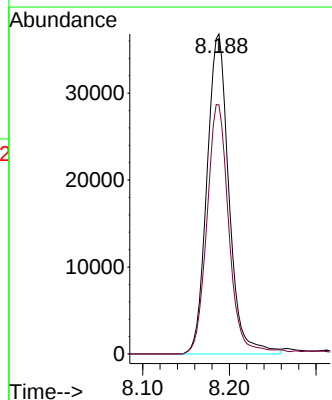
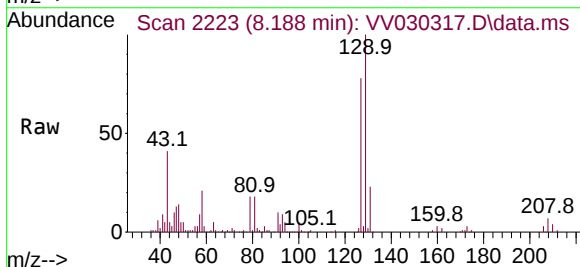
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

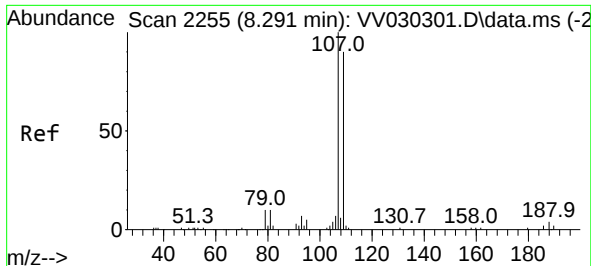
Tgt Ion: 43 Resp: 851962
Ion Ratio Lower Upper
43 100
58 51.8 40.3 60.5
57 16.0 14.6 22.0
100 10.5 8.5 12.7



#49
Dibromochloromethane
Concen: 6.718 ug/L
RT: 8.188 min Scan# 2223
Delta R.T. 0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 129 Resp: 64899
Ion Ratio Lower Upper
129 100
127 77.9 52.7 97.9





#50

1,2-Dibromoethane

Concen: 8.722 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

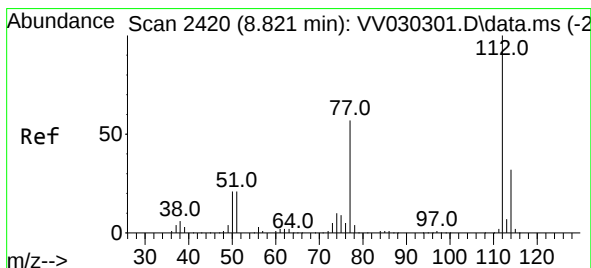
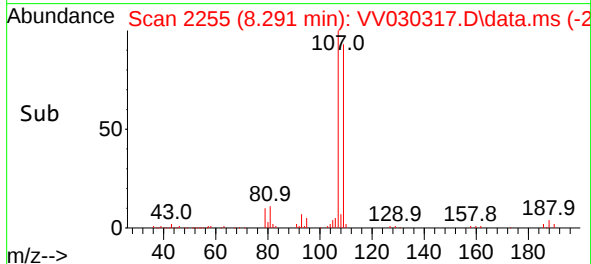
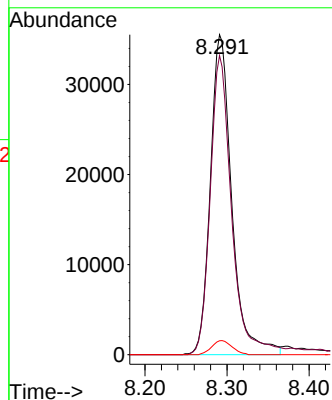
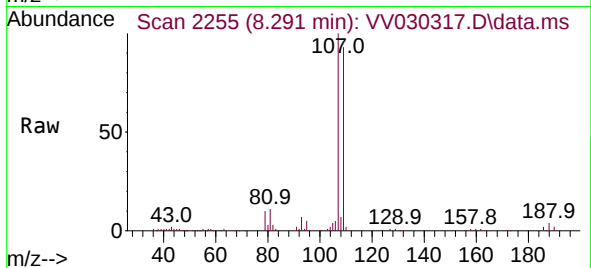
Tgt Ion:107 Resp: 64404

Ion Ratio Lower Upper

107 100

109 93.5 62.9 116.9

188 4.4 3.0 4.6



#51

Chlorobenzene

Concen: 4.879 ug/L

RT: 8.825 min Scan# 2421

Delta R.T. 0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

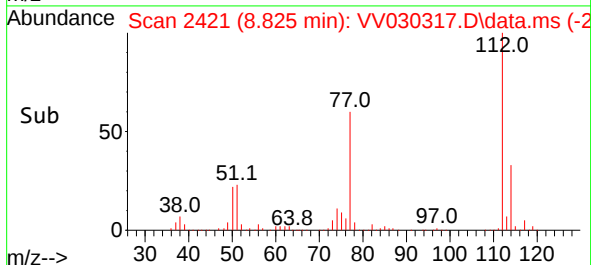
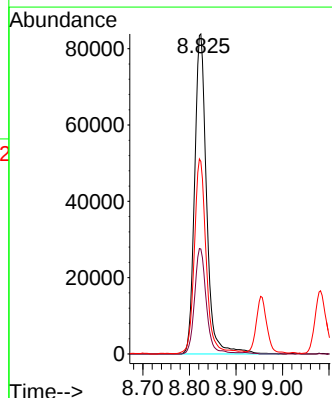
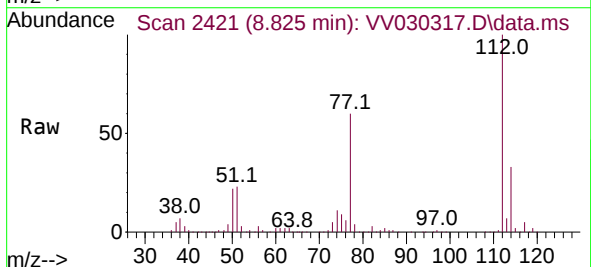
Tgt Ion:112 Resp: 149397

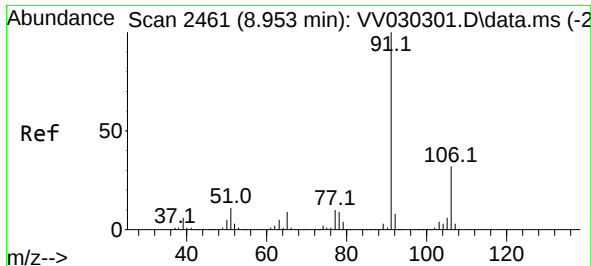
Ion Ratio Lower Upper

112 100

114 32.8 22.4 41.6

77 60.2 45.9 68.9

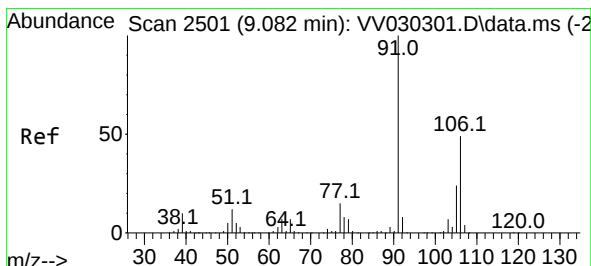
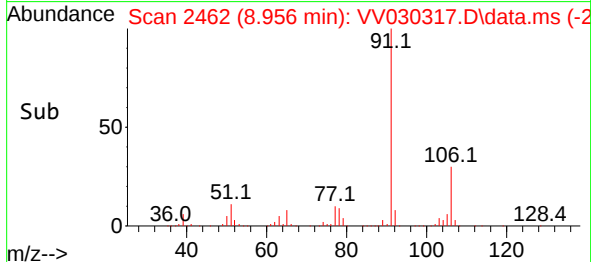
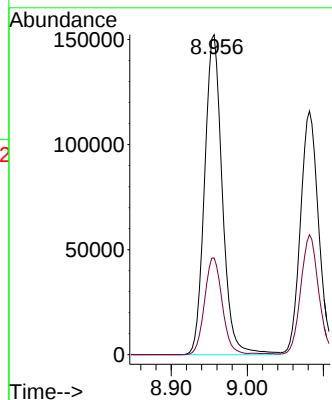
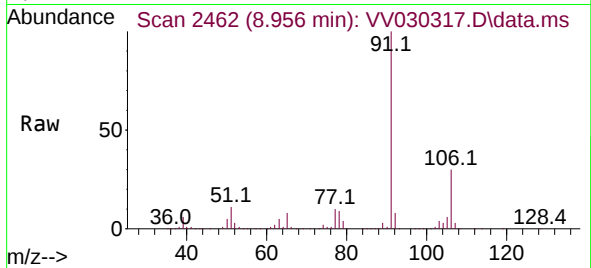




#52
Ethylbenzene
Concen: 4.712 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

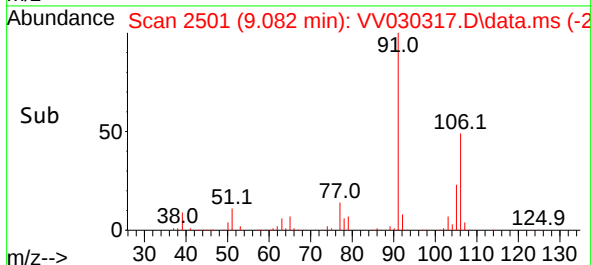
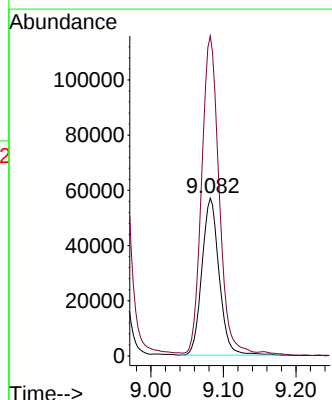
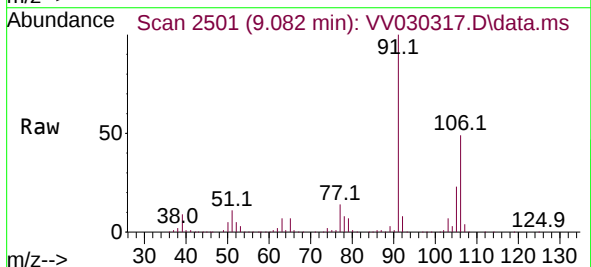
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

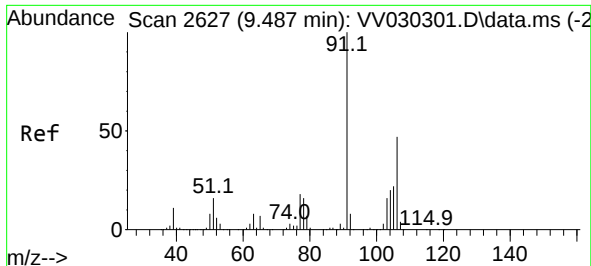
Tgt Ion: 91 Resp: 246507
Ion Ratio Lower Upper
91 100
106 30.3 22.2 41.2



#53
m,p-Xylene
Concen: 4.687 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 106 Resp: 93870
Ion Ratio Lower Upper
106 100
91 202.9 142.4 264.4

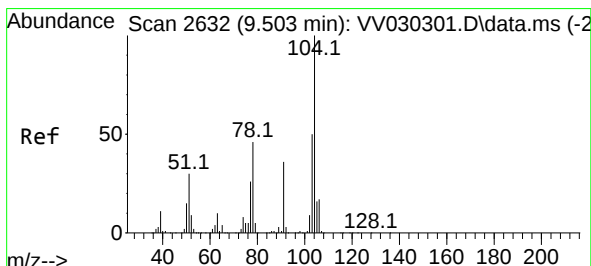
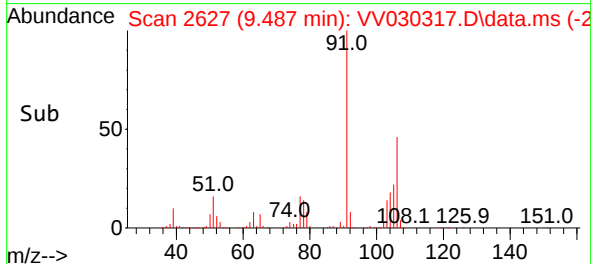
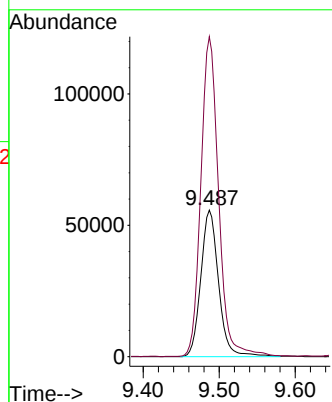
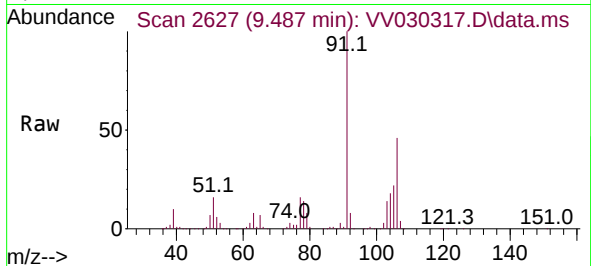




#54
o-Xylene
Concen: 4.726 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

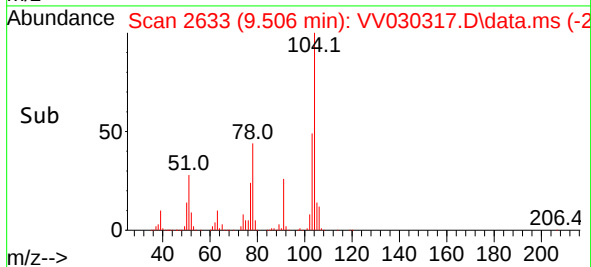
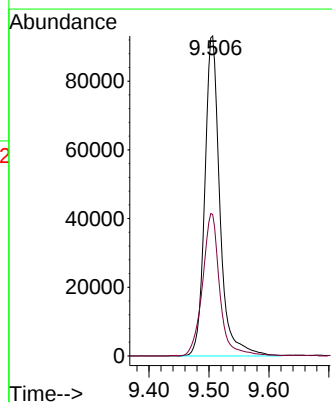
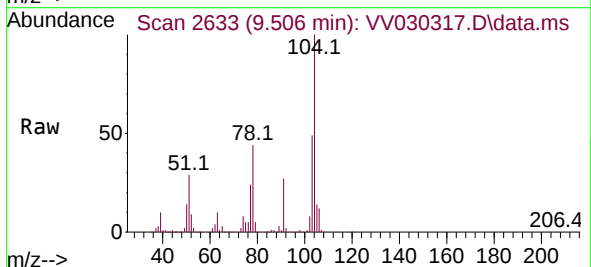
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

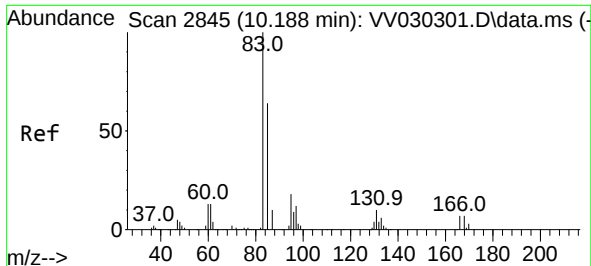
Tgt Ion:106 Resp: 90570
Ion Ratio Lower Upper
106 100
91 218.2 149.8 278.2



#55
Styrene
Concen: 5.031 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion:104 Resp: 163775
Ion Ratio Lower Upper
104 100
78 44.3 31.9 59.2

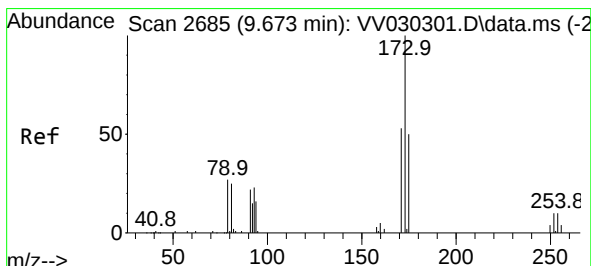
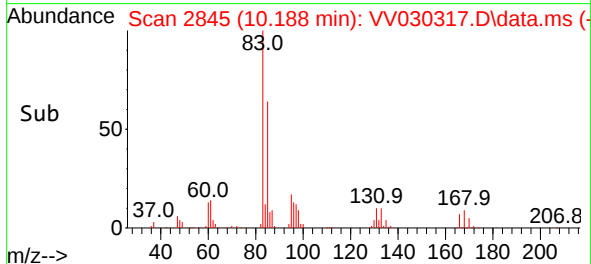
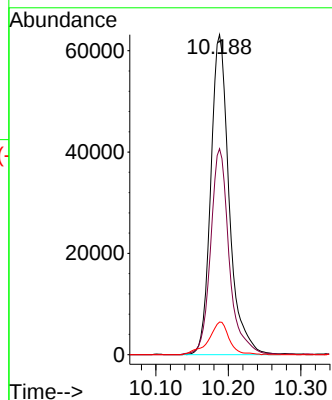
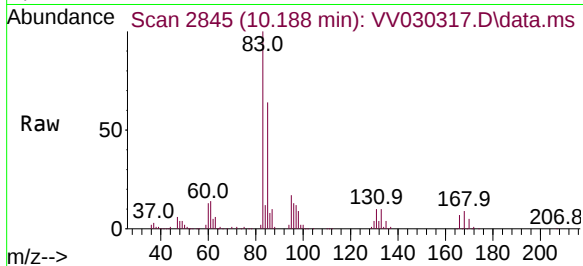




#57
 1,1,2,2-Tetrachloroethane
 Concen: 11.562 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. -0.000 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

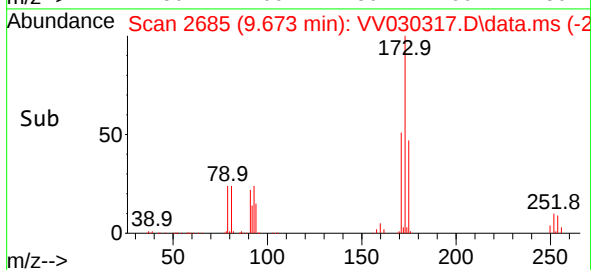
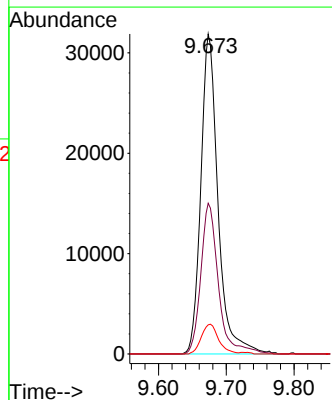
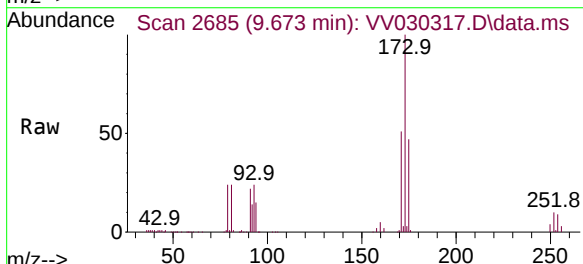
Instrument :
 MSVOA_V
 ClientSampleId :
 EYF73MS

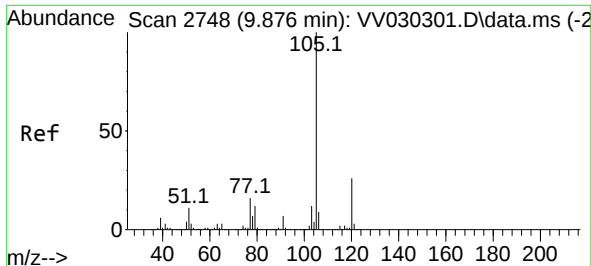
Tgt Ion: 83 Resp: 111383
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.3 84.1
 131 10.2 8.2 12.4



#59
 Bromoform
 Concen: 8.600 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. -0.000 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

Tgt Ion: 173 Resp: 56051
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.0 58.4
 254 9.4 8.2 12.4

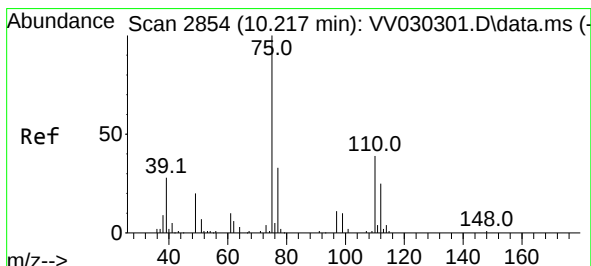
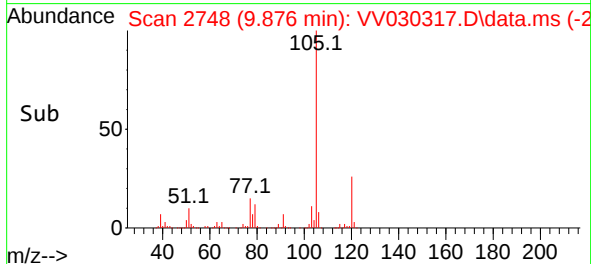
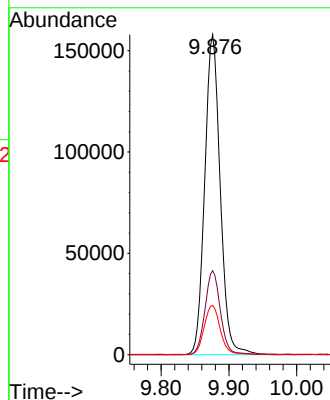
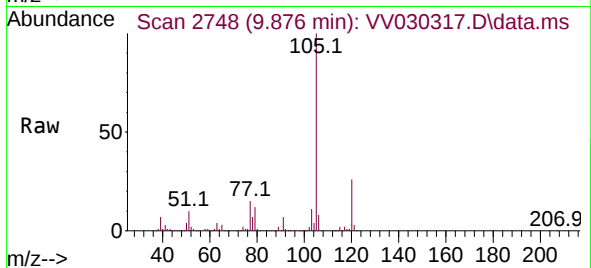




#60
Isopropylbenzene
Concen: 4.221 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

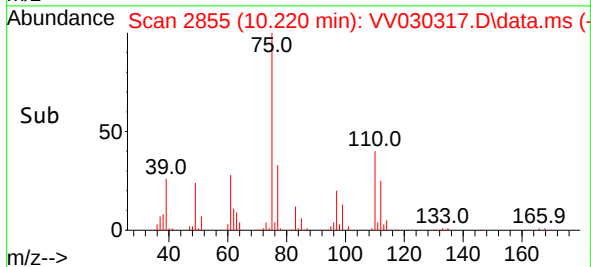
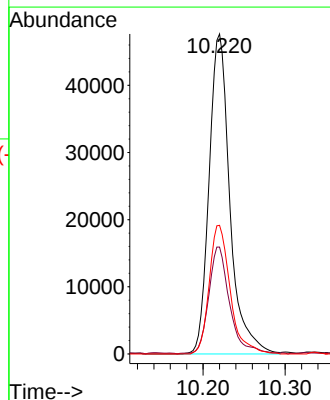
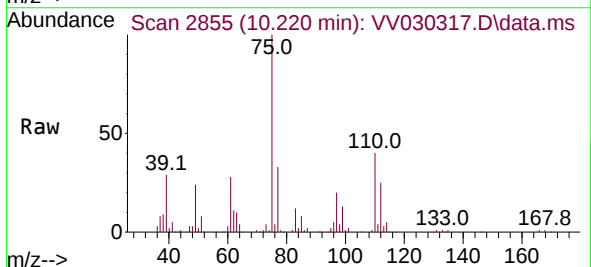
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

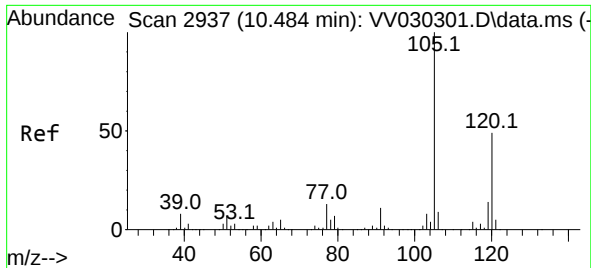
Tgt Ion:105 Resp: 251003
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 16.2 12.9 19.3



#61
1,2,3-Trichloropropane
Concen: 11.650 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion: 75 Resp: 83988
Ion Ratio Lower Upper
75 100
77 33.8 26.0 39.0
110 40.6 31.6 47.4

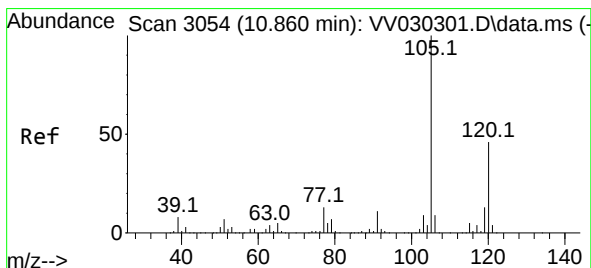
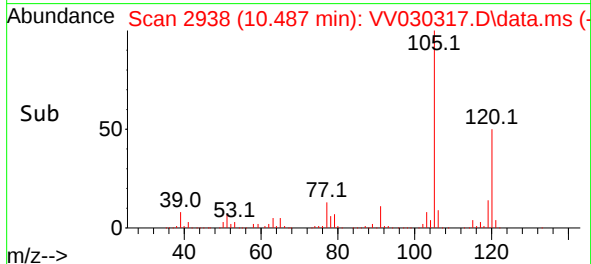
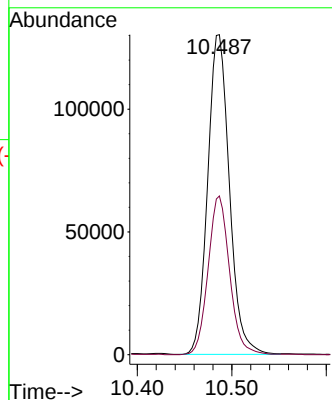
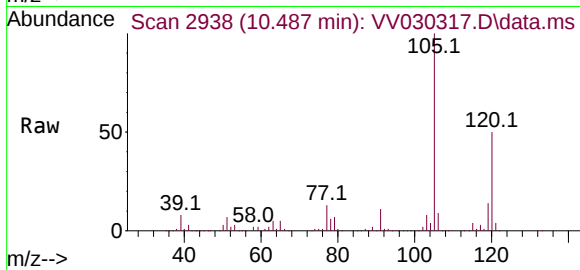




#62
 1,3,5-Trimethylbenzene
 Concen: 4.283 ug/L
 RT: 10.487 min Scan# 2937
 Delta R.T. 0.003 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

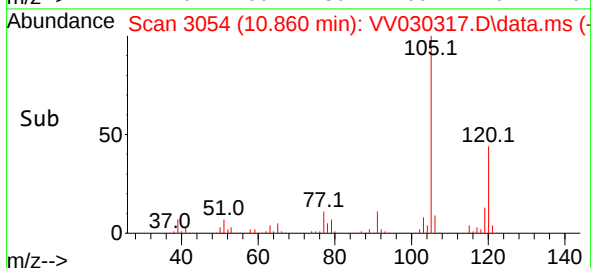
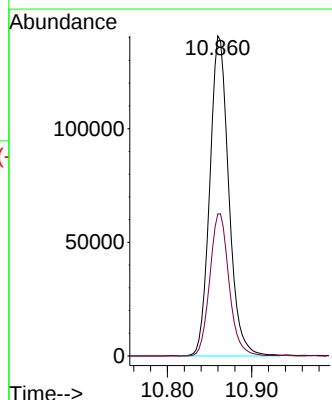
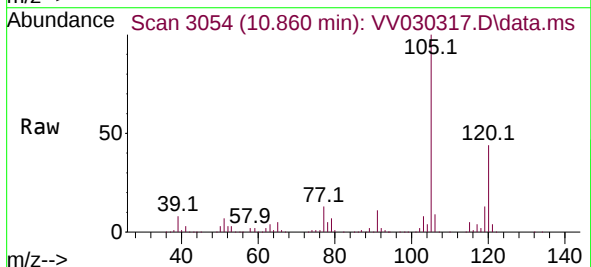
Instrument :
 MSVOA_V
 ClientSampleId :
 EYF73MS

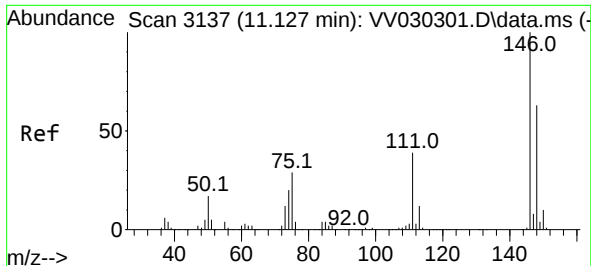
Tgt Ion:105 Resp: 207809
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.9 58.3



#63
 1,2,4-Trimethylbenzene
 Concen: 4.464 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030317.D
 Acq: 23 Mar 2023 19:51

Tgt Ion:105 Resp: 220730
 Ion Ratio Lower Upper
 105 100
 120 45.1 36.8 55.2

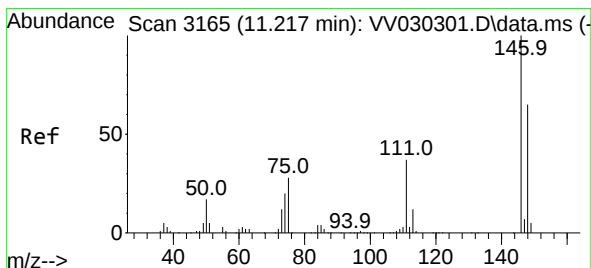
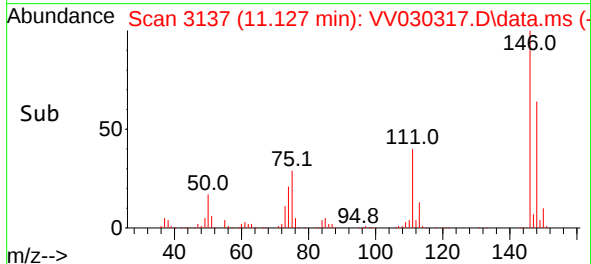
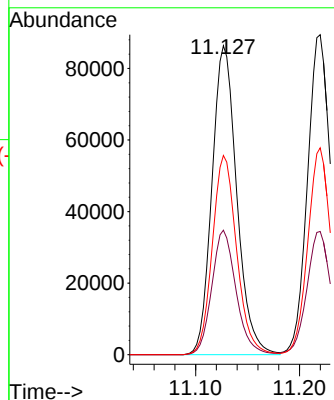
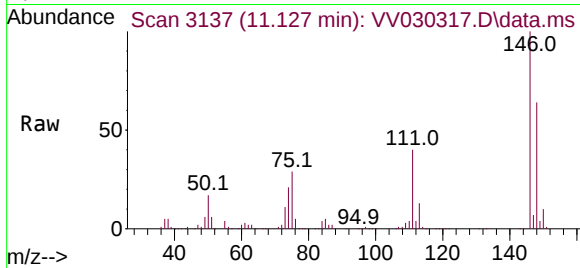




#64
1,3-Dichlorobenzene
Concen: 4.833 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

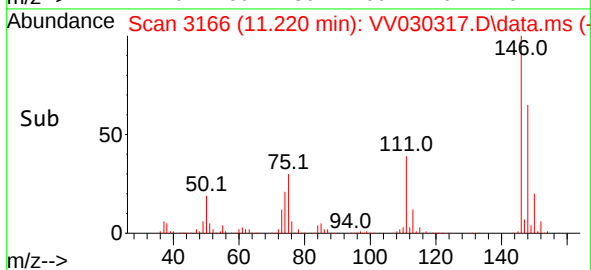
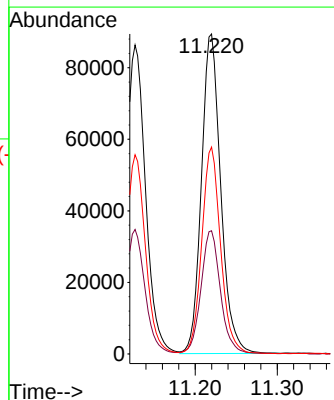
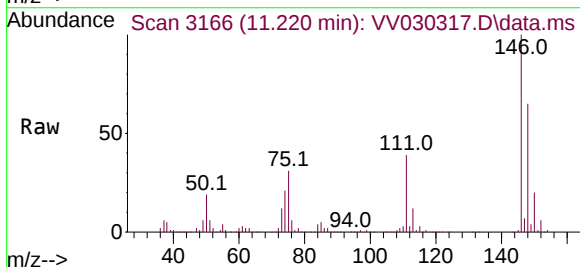
Instrument :
MSVOA_V
ClientSampleId :
EYF73MS

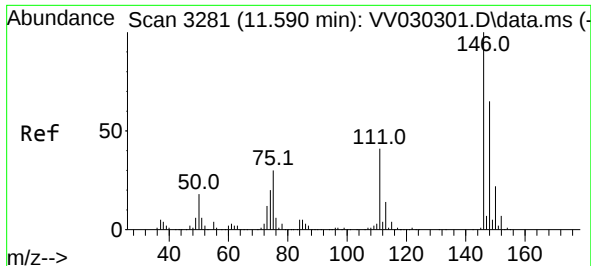
Tgt Ion:146 Resp: 143310
Ion Ratio Lower Upper
146 100
111 40.3 27.0 50.2
148 64.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 4.900 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030317.D
Acq: 23 Mar 2023 19:51

Tgt Ion:146 Resp: 146380
Ion Ratio Lower Upper
146 100
111 38.5 26.0 48.4
148 64.7 45.2 84.0





#67

1,2-Dichlorobenzene

Concen: 5.516 ug/L

RT: 11.590 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

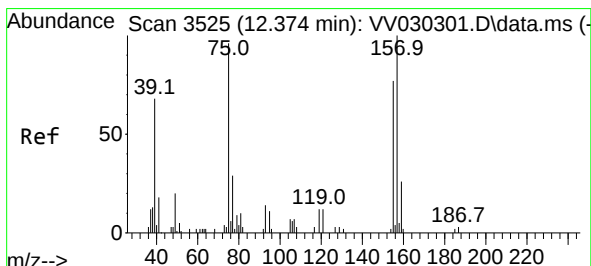
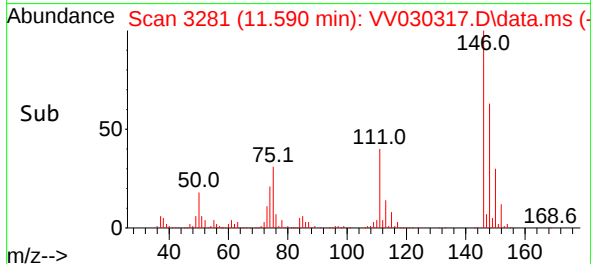
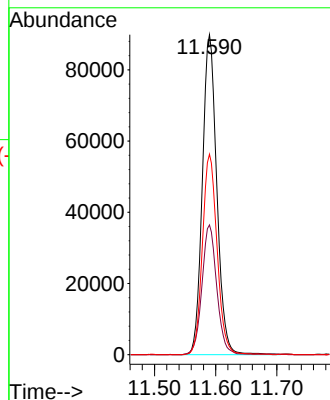
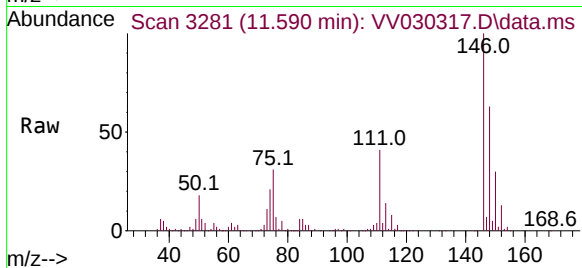
Tgt Ion:146 Resp: 147389

Ion Ratio Lower Upper

146 100

111 40.5 33.1 49.7

148 62.6 52.2 78.2



#68

1,2-Dibromo-3-chloropropane

Concen: 15.655 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

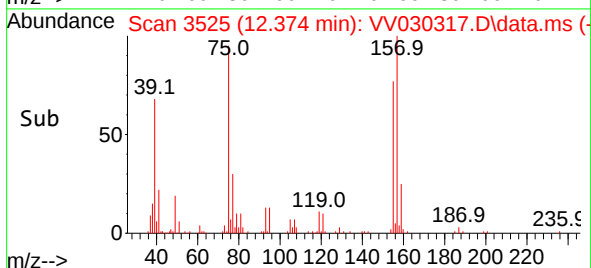
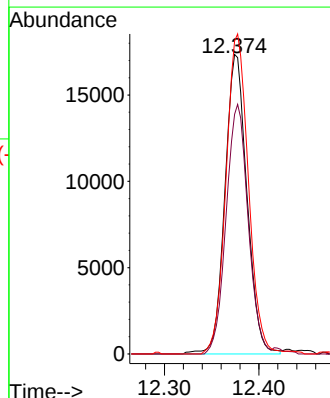
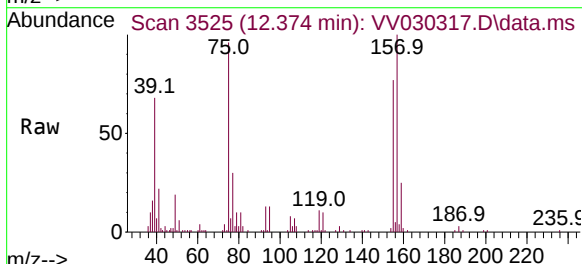
Tgt Ion: 75 Resp: 28072

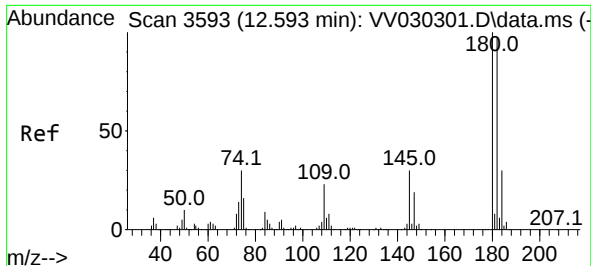
Ion Ratio Lower Upper

75 100

155 80.0 64.6 96.8

157 104.5 83.8 125.6





#69

1,3,5-Trichlorobenzene

Concen: 4.650 ug/L

RT: 12.593 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

Tgt Ion:180 Resp: 106157

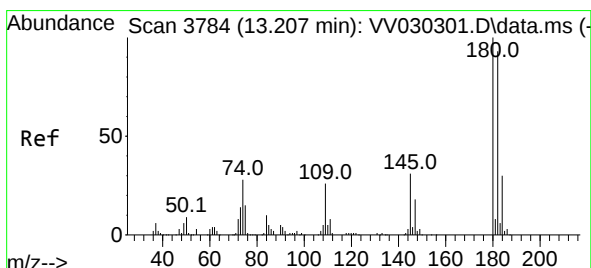
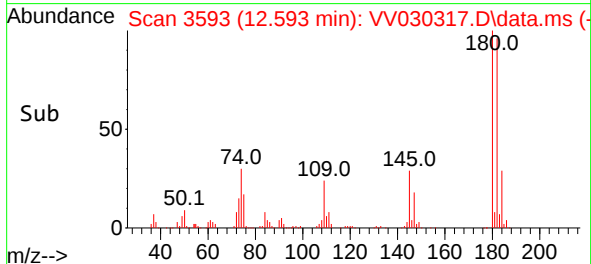
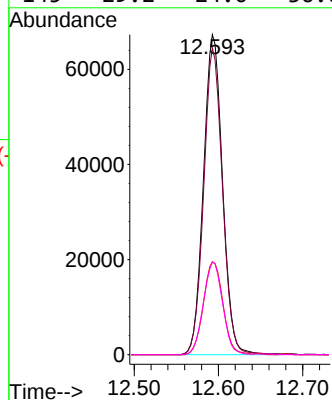
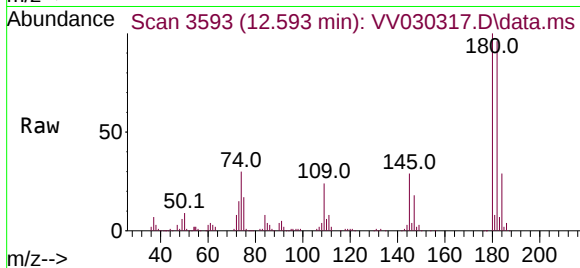
Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

184 29.8 24.0 36.0

145 29.2 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 4.840 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

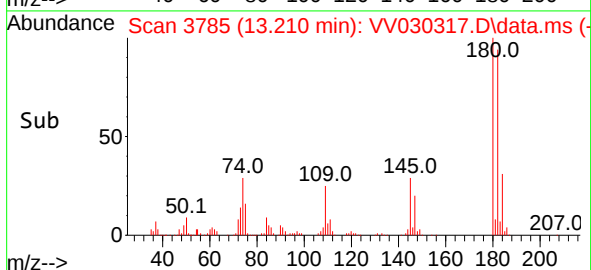
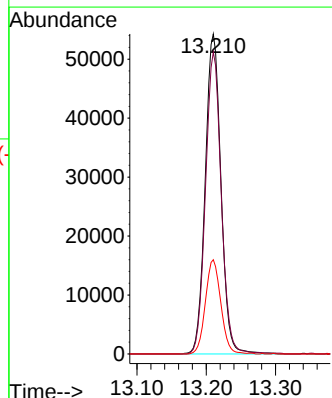
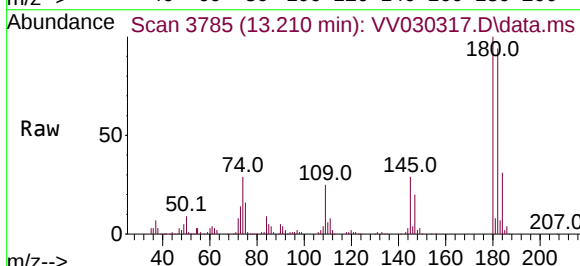
Tgt Ion:180 Resp: 85322

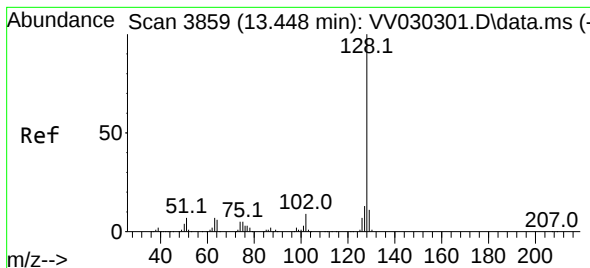
Ion Ratio Lower Upper

180 100

182 94.6 75.3 112.9

145 29.0 23.8 35.6





#71

Naphthalene

Concen: 10.116 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Instrument :

MSVOA_V

ClientSampleId :

EYF73MS

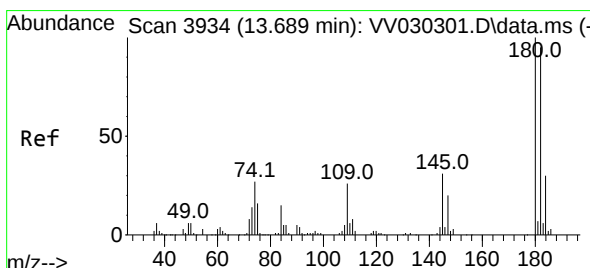
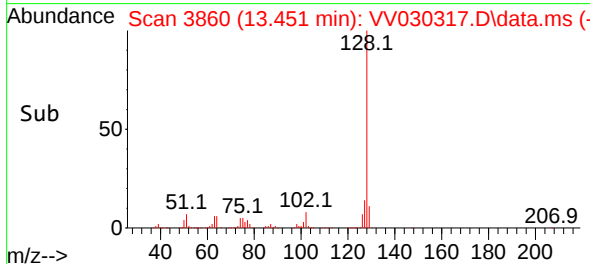
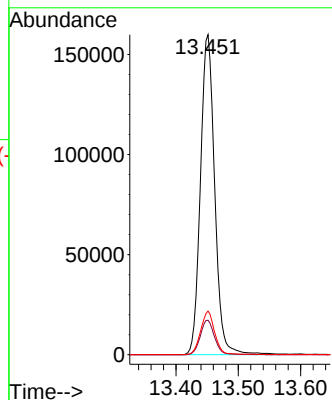
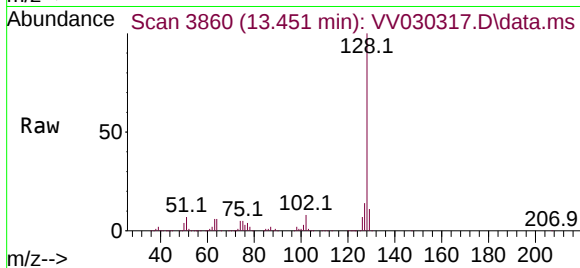
Tgt Ion:128 Resp: 254684

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

127 13.4 10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 5.385 ug/L

RT: 13.692 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030317.D

Acq: 23 Mar 2023 19:51

Tgt Ion:180 Resp: 82240

Ion Ratio Lower Upper

180 100

182 97.3 76.6 115.0

145 32.2 25.0 37.4

