

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032123\
 Data File : VW030279.D
 Acq On : 21 Mar 2023 15:44
 Operator : SY/MD
 Sample : 01996-02MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A24MS

Quant Time: Mar 22 06:07:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 22 06:04:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	111999	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	99366	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	57492	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	29954	4.133	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.535	69	27995	4.115	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.400%
11) 1,1-Dichloroethene-d2	2.072	63	171123	11.486	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	229.800%#
20) 2-Butanone-d5	3.847	46	69833	52.266	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.540%
24) Chloroform-d	4.262	84	69978	4.727	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	4.957	65	35367	5.852	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.000%
32) Benzene-d6	4.973	84	116192	4.346	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.002	67	34490	4.288	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.800%
41) Toluene-d8	7.252	98	113206	4.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.564	79	11695	4.250	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.040	63	58320	51.224	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.440%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	24496	4.281	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	43650	4.487	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	34608	3.798	ug/L	99
3) Chloromethane	1.217	50	50537	3.519	ug/L	99
5) Vinyl chloride	1.285	62	38458	4.030	ug/L	99
6) Bromomethane	1.490	94	10011	5.844	ug/L	93
8) Chloroethane	1.552	64	24340	4.186	ug/L	98
9) Trichlorofluoromethane	1.716	101	64910	4.741	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	33260	3.917	ug/L	95
12) 1,1-Dichloroethene	2.072	96	210731	28.037	ug/L #	76
13) Acetone	2.166	43	11662	11.809	ug/L #	1
14) Carbon disulfide	2.246	76	59487	2.958	ug/L	99
15) Methyl Acetate	2.397	43	9768	4.235	ug/L #	78
16) Methylene chloride	2.452	84	32972	3.591	ug/L	94
17) Methyl tert-butyl Ether	2.716	73	71617	4.872	ug/L #	93
18) trans-1,2-Dichloroethene	2.703	96	27815	3.890	ug/L	94
19) 1,1-Dichloroethane	3.121	63	74539	5.596	ug/L	97
21) 2-Butanone	3.924	43	61731	46.480	ug/L	87
22) cis-1,2-Dichloroethene	3.825	96	266549	33.727	ug/L	93
23) Bromochloromethane	4.159	128	15047	4.456	ug/L	94
25) Chloroform	4.288	83	112062	8.088	ug/L	99

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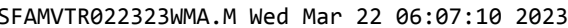
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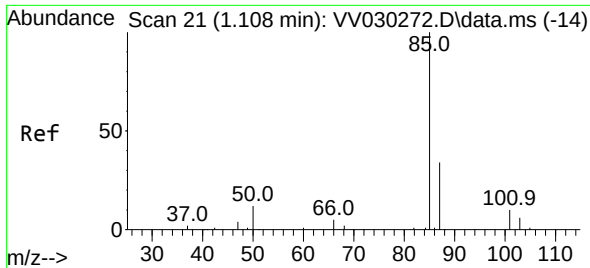
Quant Time: Mar 22 06:07:02 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	41265	5.694	ug/L #	93
29) 1,1,1-Trichloroethane	4.523	97	875527	75.006	ug/L	97
30) Cyclohexane	4.593	56	37494	3.717	ug/L	97
31) Carbon tetrachloride	4.748	117	61389	5.851	ug/L	100
33) Benzene	5.021	78	121230	4.467	ug/L	100
34) Trichloroethene	5.841	95	556342	73.163	ug/L	99
35) Methylcyclohexane	6.063	83	38774	3.369	ug/L	92
37) 1,2-Dichloropropane	6.104	63	29656	4.295	ug/L #	97
38) Bromodichloromethane	6.442	83	45895	5.207	ug/L	98
39) cis-1,3-Dichloropropene	6.963	75	39242	3.883	ug/L	99
40) 4-Methyl-2-pentanone	7.172	43	176760	62.045	ug/L	91
42) Toluene	7.326	91	132757	4.517	ug/L	99
44) trans-1,3-Dichloropropene	7.593	75	32197	4.081	ug/L	95
45) 1,1,2-Trichloroethane	7.783	97	24623	4.984	ug/L	96
47) Tetrachloroethene	7.928	164	10300021	1578.026	ug/L	93
48) 2-Hexanone	8.088	43	114032	55.911	ug/L	91
49) Dibromochloromethane	7.928	129	9793527	1694.183	ug/L #	10
50) 1,2-Dibromoethane	8.294	107	19262	4.179	ug/L #	95
51) Chlorobenzene	8.821	112	82217	4.148	ug/L	99
52) Ethylbenzene	8.956	91	130568	4.082	ug/L	100
53) m,p-Xylene	9.082	106	51325	4.175	ug/L	95
54) o-Xylene	9.487	106	51263	4.365	ug/L	99
55) Styrene	9.506	104	87847	4.498	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	24258	4.390	ug/L #	99
59) Bromoform	9.673	173	16634	4.827	ug/L	99
60) Isopropylbenzene	9.876	105	139636	4.221	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	17957	4.667	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	113832	4.189	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	117542	4.229	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	75323	4.373	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	71910	4.138	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	69246	4.553	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	4470	5.201	ug/L	89
69) 1,3,5-Trichlorobenzene	12.593	180	54605	3.856	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	43978	3.834	ug/L	99
71) Naphthalene	13.448	128	67369	4.494	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	39378	4.170	ug/L	98

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

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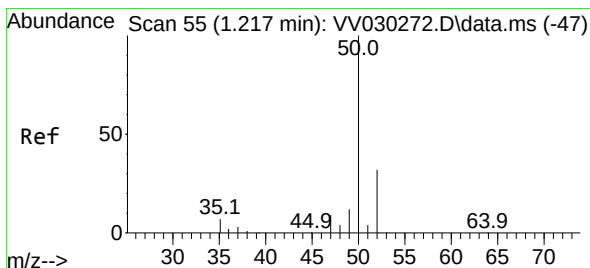
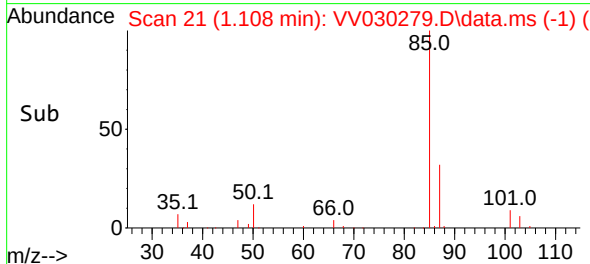
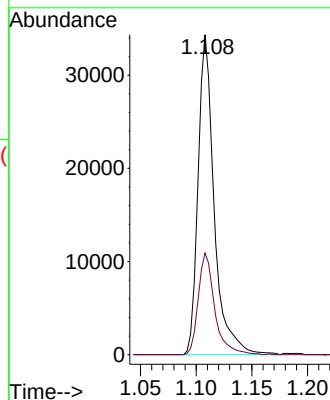
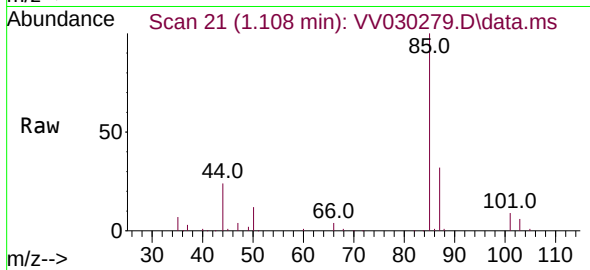




#2
 Dichlorodifluoromethane
 Concen: 3.798 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030279.D
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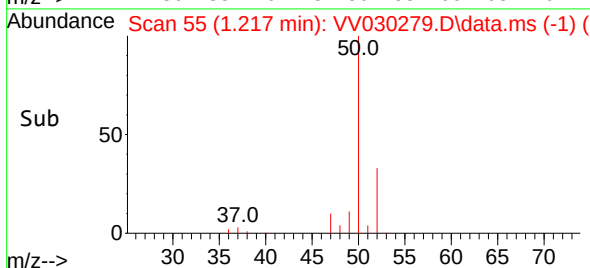
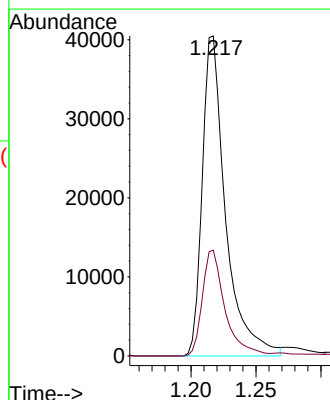
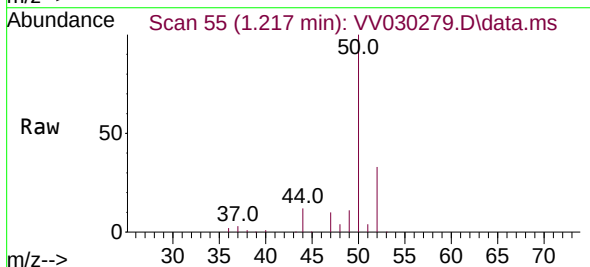
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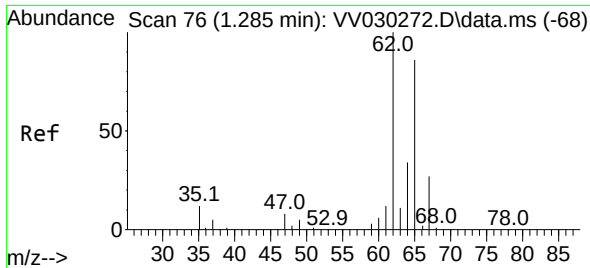
Tgt Ion: 85 Resp: 34608
 Ion Ratio Lower Upper
 85 100
 87 32.4 26.6 39.8



#3
 Chloromethane
 Concen: 3.519 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

Tgt Ion: 50 Resp: 50537
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.6 43.8

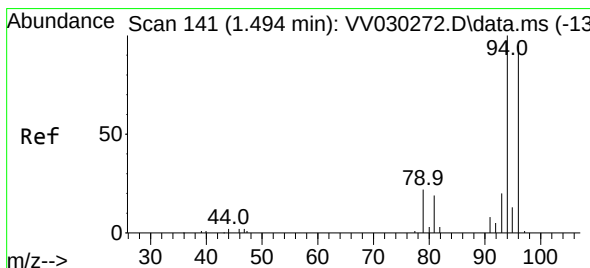
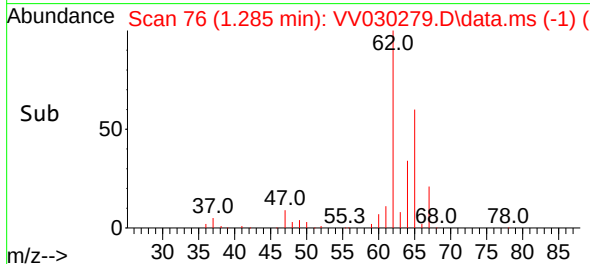
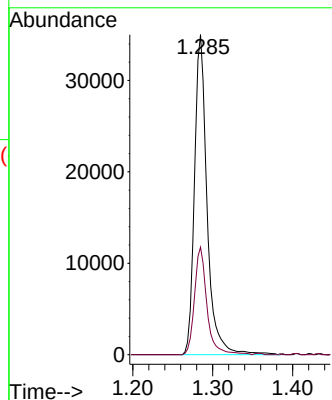
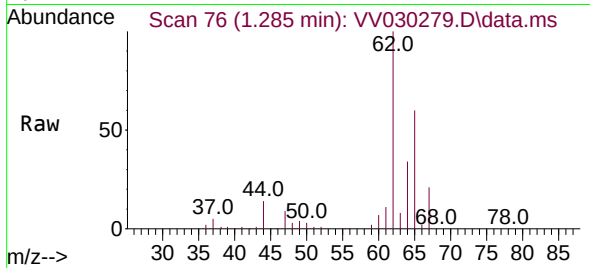




#5
 Vinyl chloride
 Concen: 4.030 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

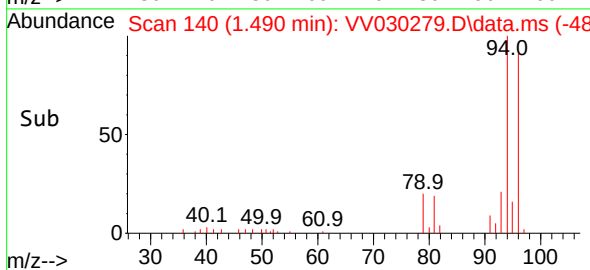
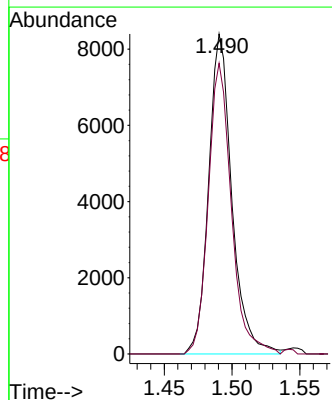
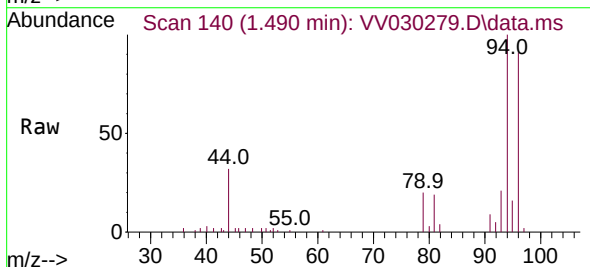
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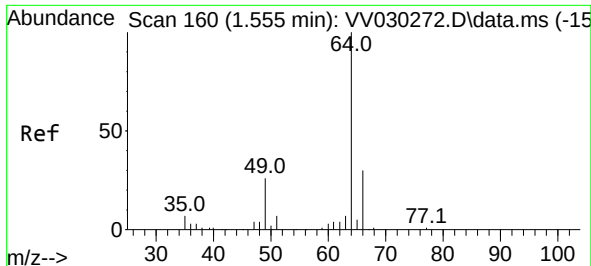
Tgt Ion: 62 Resp: 38458
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.1 42.9



#6
 Bromomethane
 Concen: 5.844 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

Tgt Ion: 94 Resp: 10011
 Ion Ratio Lower Upper
 94 100
 96 90.8 68.4 127.0

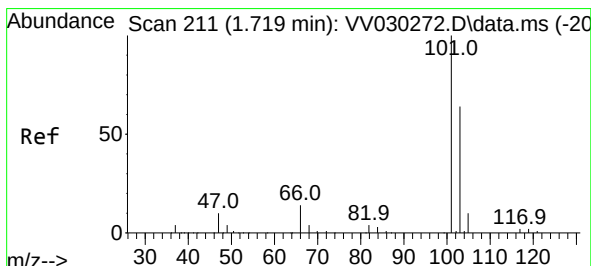
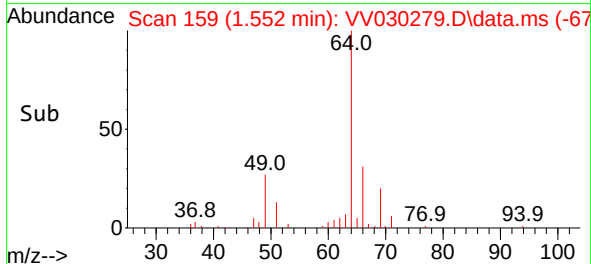
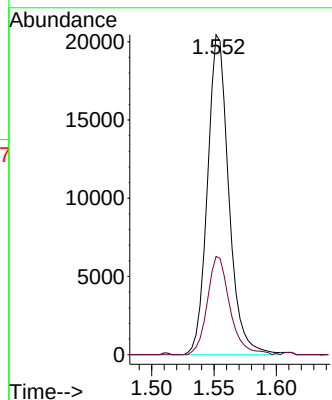
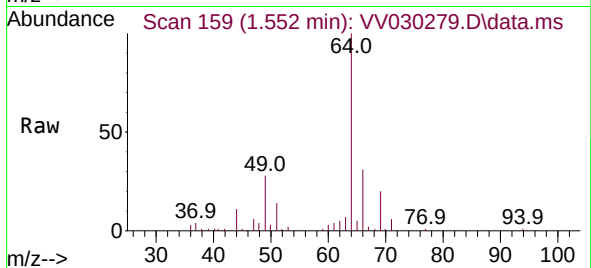




#8
Chloroethane
Concen: 4.186 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

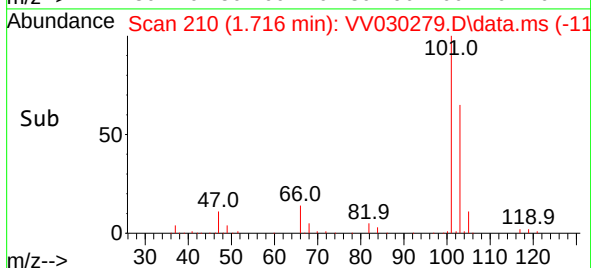
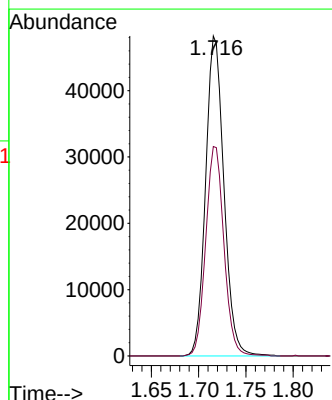
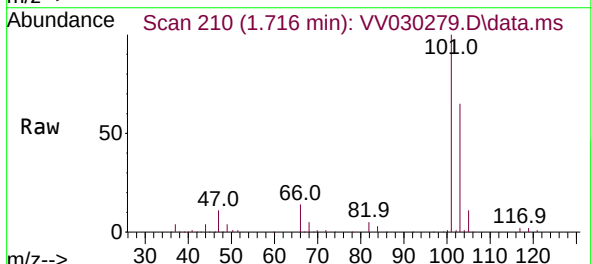
Instrument :
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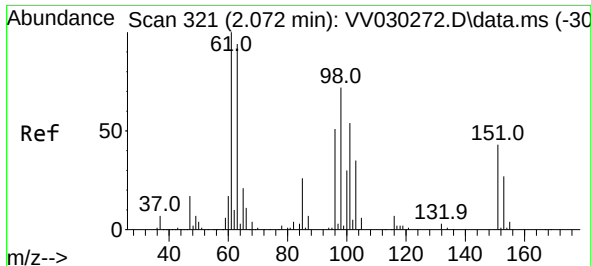
Tgt Ion: 64 Resp: 24340
Ion Ratio Lower Upper
64 100
66 30.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.741 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion:101 Resp: 64910
Ion Ratio Lower Upper
101 100
103 65.2 52.7 79.1

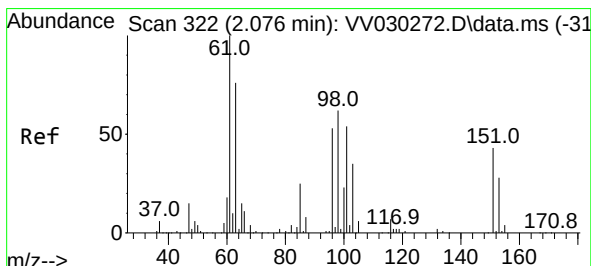
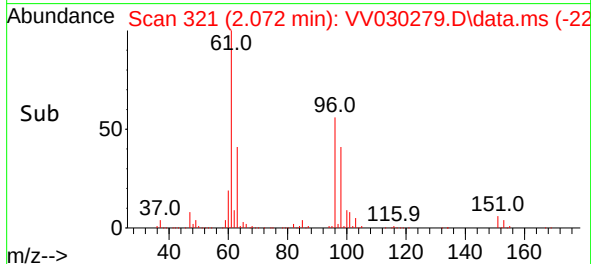
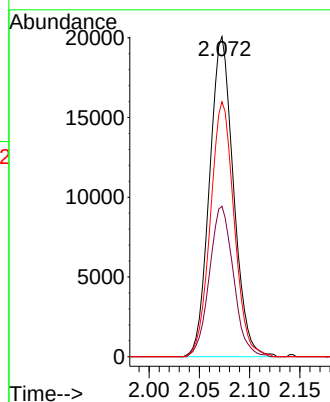
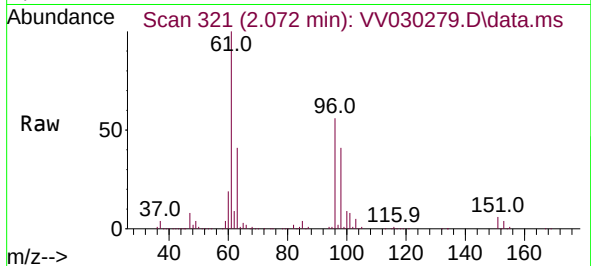




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.917 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

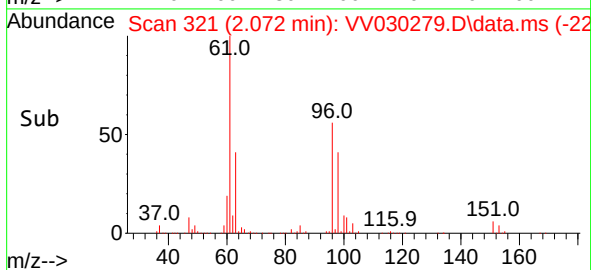
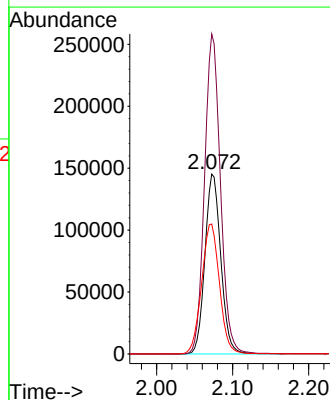
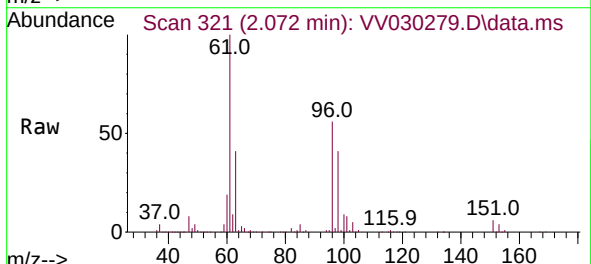
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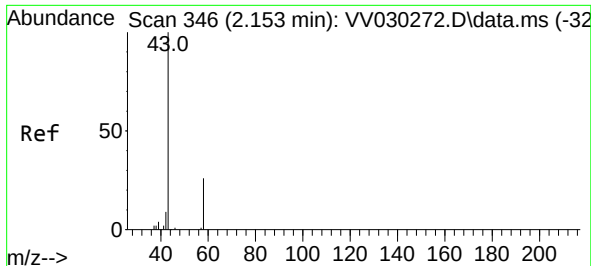
Tgt Ion:101 Resp: 33260
Ion Ratio Lower Upper
101 100
85 47.2 33.5 50.3
151 79.1 61.6 92.4



#12
1,1-Dichloroethene
Concen: 28.037 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 96 Resp: 210731
Ion Ratio Lower Upper
96 100
61 177.9 115.6 214.6
63 72.2 85.6 159.0#





#13

Acetone

Concen: 11.809 ug/L

RT: 2.166 min Scan# 346

Delta R.T. 0.013 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

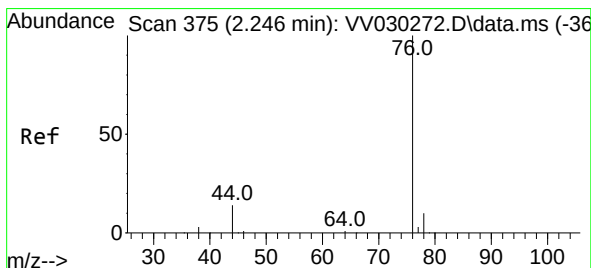
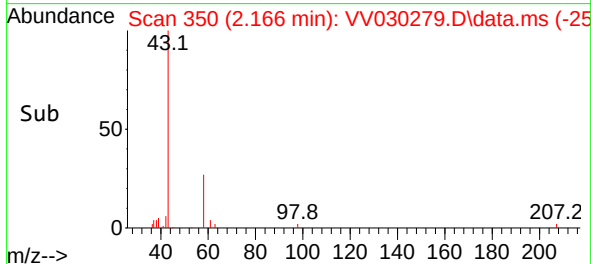
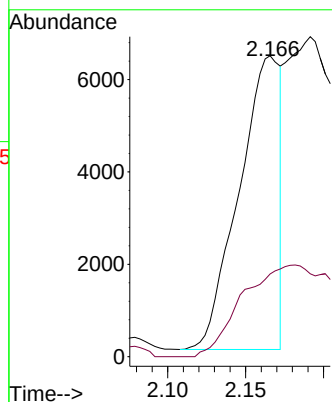
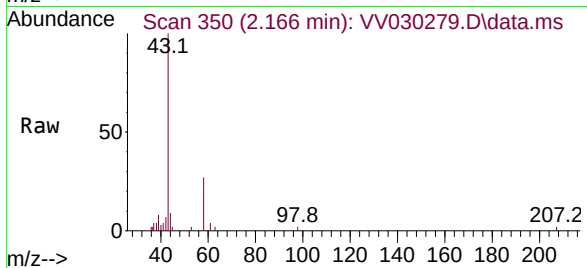
H0A24MS

Tgt Ion: 43 Resp: 11662

Ion Ratio Lower Upper

43 100

58 63.5 0.0 29.4#



#14

Carbon disulfide

Concen: 2.958 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030279.D

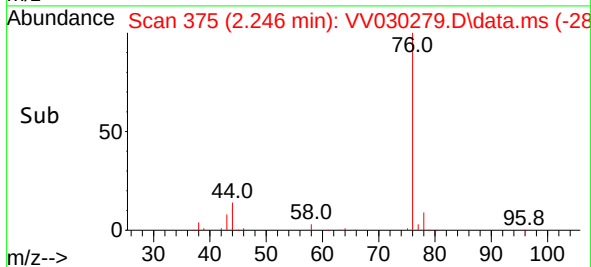
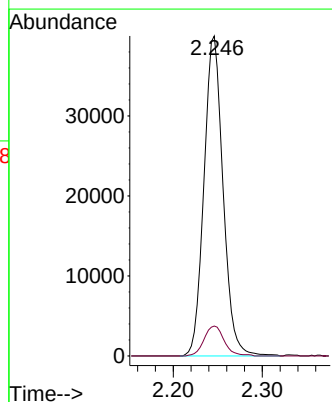
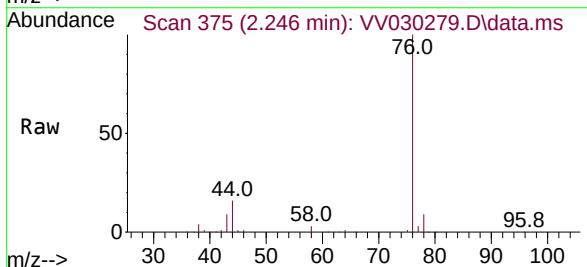
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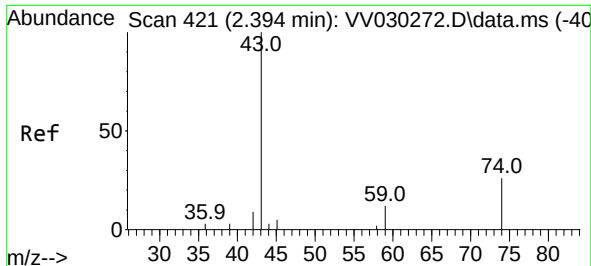
Tgt Ion: 76 Resp: 59487

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5

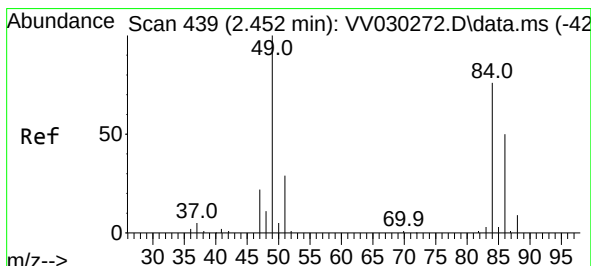
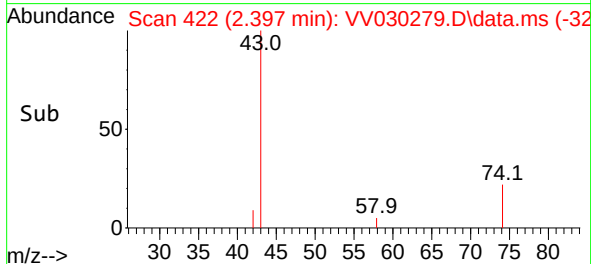
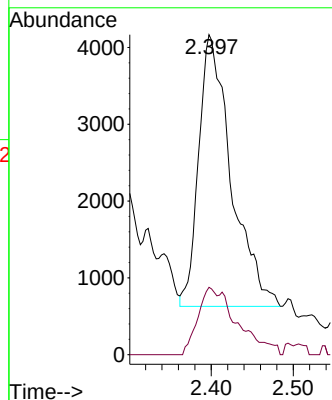
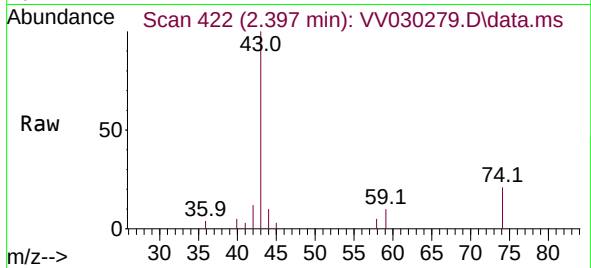




#15
Methyl Acetate
Concen: 4.235 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

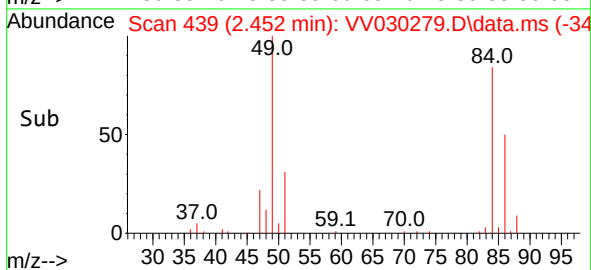
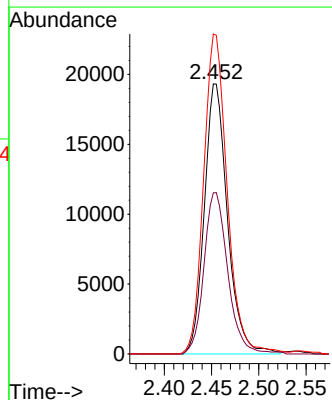
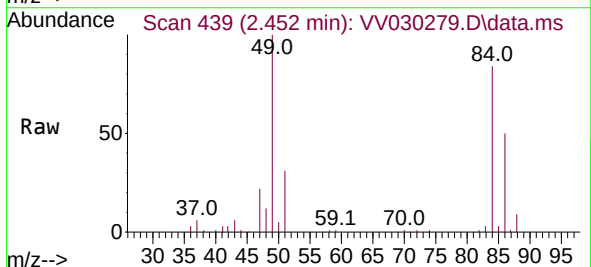
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

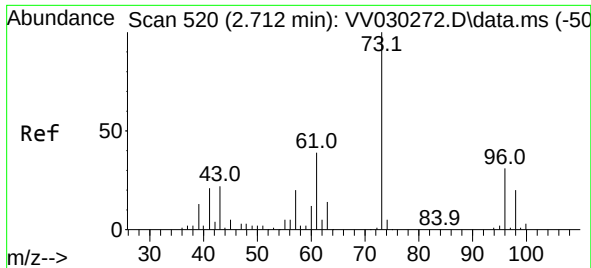
Tgt Ion: 43 Resp: 9768
Ion Ratio Lower Upper
43 100
74 14.2 20.1 30.1#



#16
Methylene chloride
Concen: 3.591 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 84 Resp: 32972
Ion Ratio Lower Upper
84 100
86 59.7 44.7 83.1
49 118.5 78.8 146.3

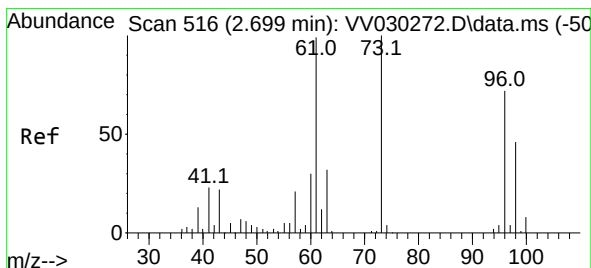
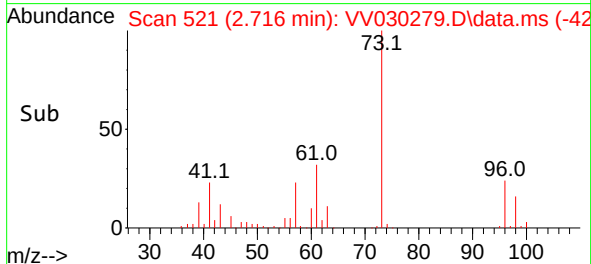
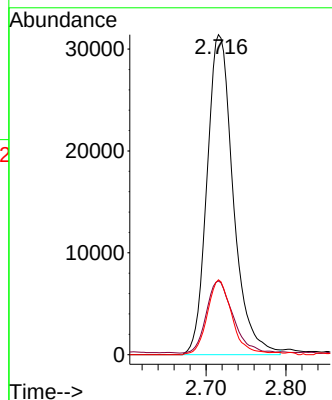
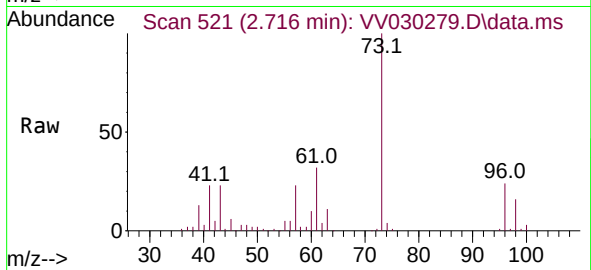




#17
Methyl tert-butyl Ether
Concen: 4.872 ug/L
RT: 2.716 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

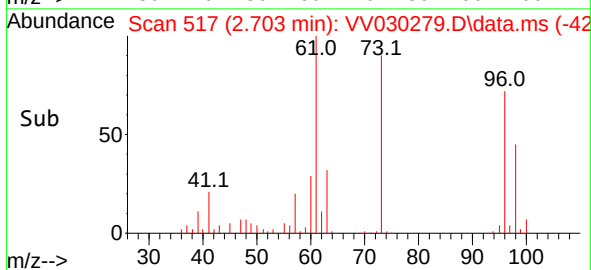
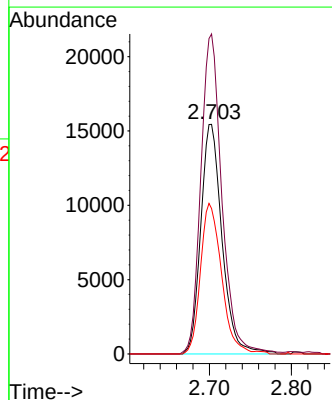
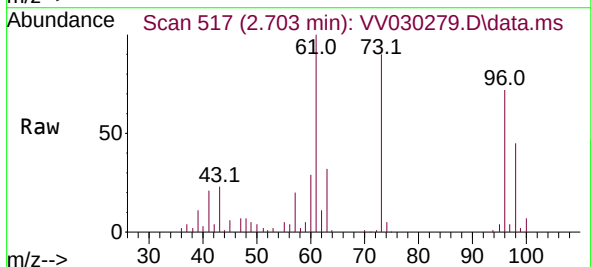
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

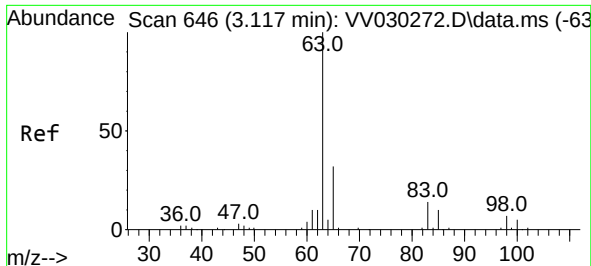
Tgt Ion: 73 Resp: 71617
Ion Ratio Lower Upper
73 100
43 22.9 13.4 20.2#
57 22.0 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 3.890 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 96 Resp: 27815
Ion Ratio Lower Upper
96 100
61 139.3 91.0 169.0
98 63.3 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.596 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0A24MS

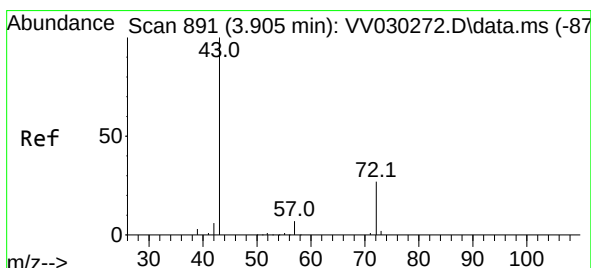
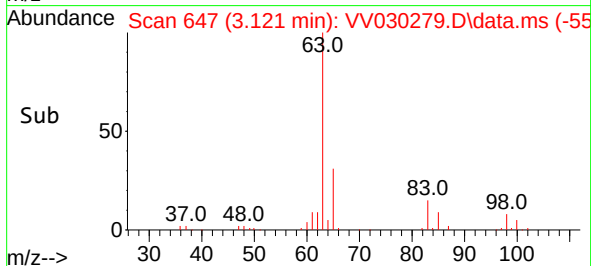
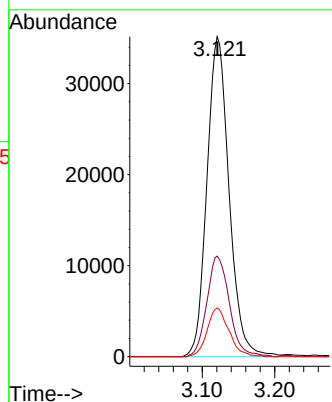
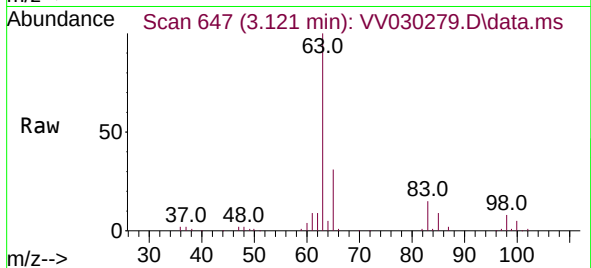
Tgt Ion: 63 Resp: 74539

Ion Ratio Lower Upper

63 100

65 31.5 23.0 42.8

83 15.2 9.6 17.8



#21

2-Butanone

Concen: 46.480 ug/L

RT: 3.924 min Scan# 897

Delta R.T. 0.019 min

Lab File: VV030279.D

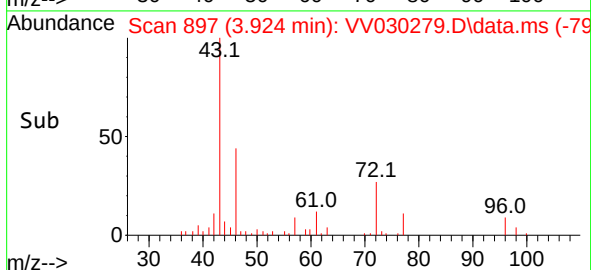
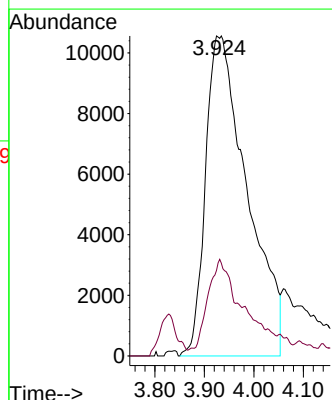
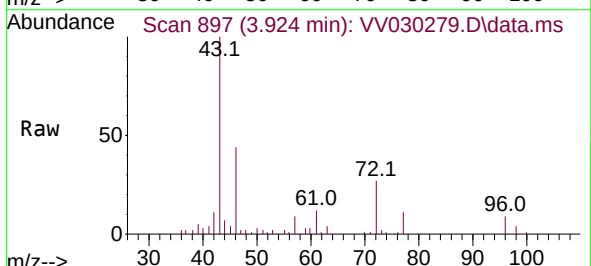
Acq: 21 Mar 2023 15:44

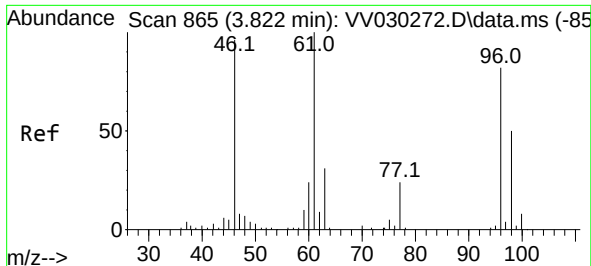
Tgt Ion: 43 Resp: 61731

Ion Ratio Lower Upper

43 100

72 23.3 15.1 45.3

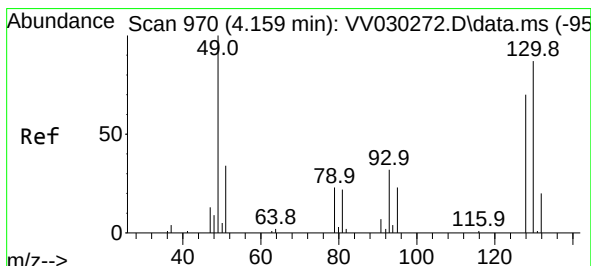
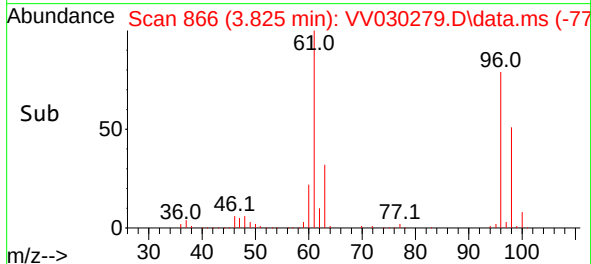
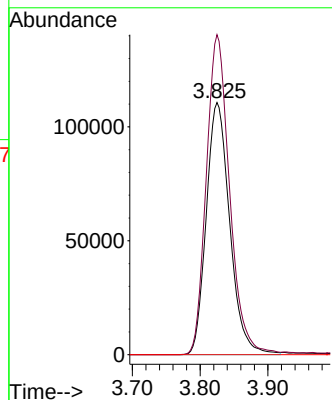
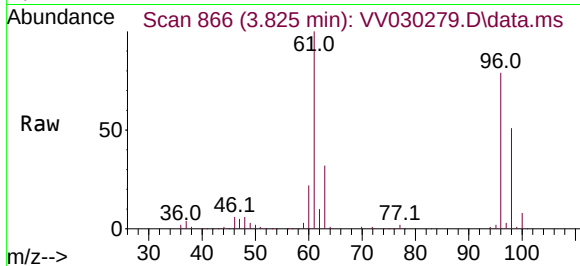




#22
 cis-1,2-Dichloroethene
 Concen: 33.727 ug/L
 RT: 3.825 min Scan# 865
 Delta R.T. 0.003 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

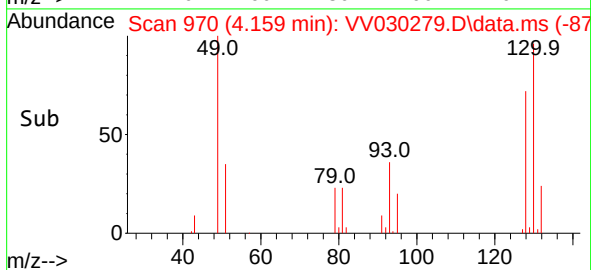
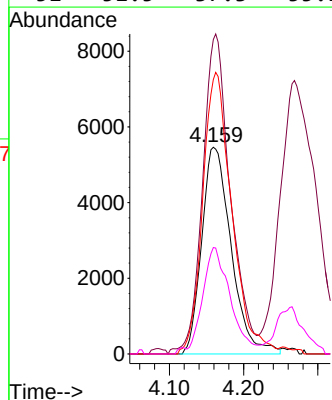
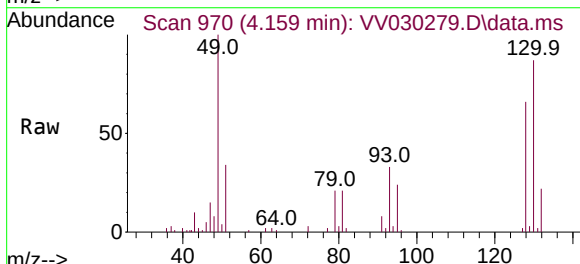
Instrument :
 MSVOA_V
 ClientSampleId :
 H0A24MS

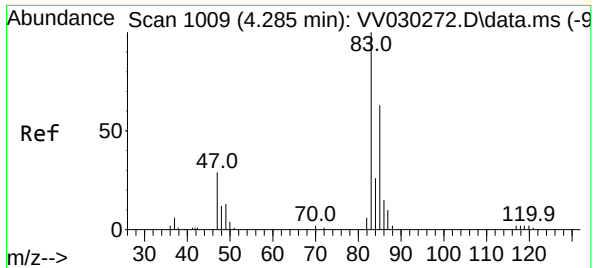
Tgt Ion: 96 Resp: 266549
 Ion Ratio Lower Upper
 96 100
 61 126.9 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.456 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.000 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

Tgt Ion: 128 Resp: 15047
 Ion Ratio Lower Upper
 128 100
 49 152.1 99.5 184.9
 130 132.7 90.5 168.1
 51 51.5 37.3 55.9

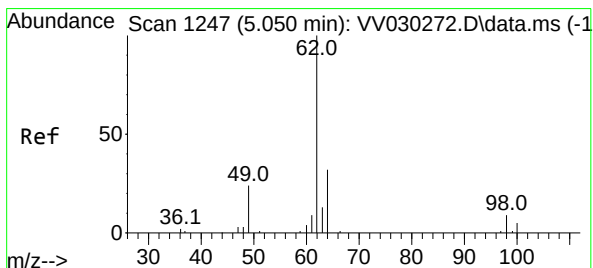
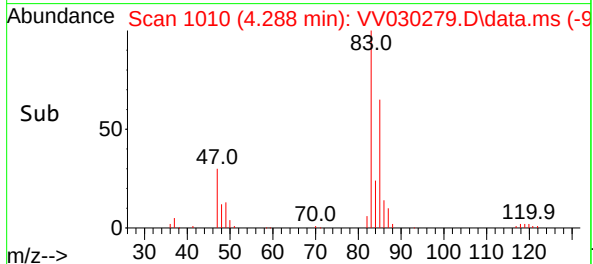
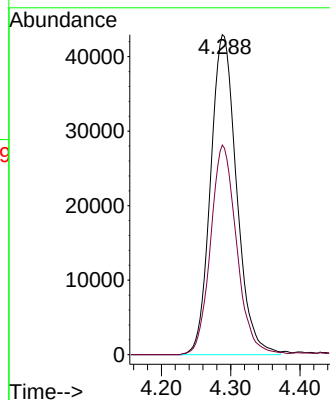
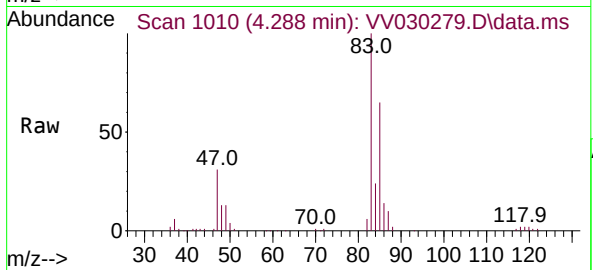




#25
Chloroform
Concen: 8.088 ug/L
RT: 4.288 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

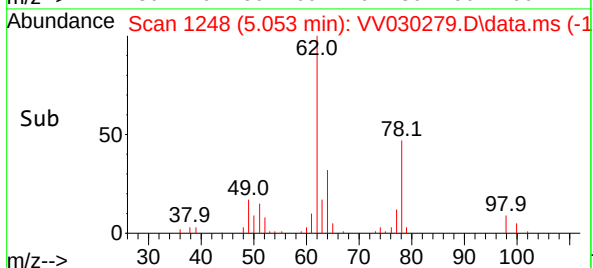
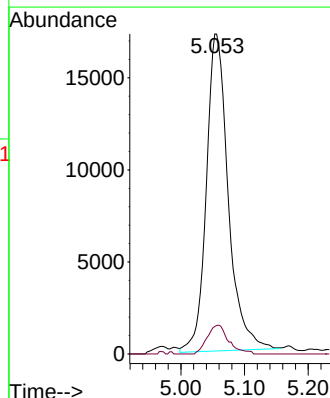
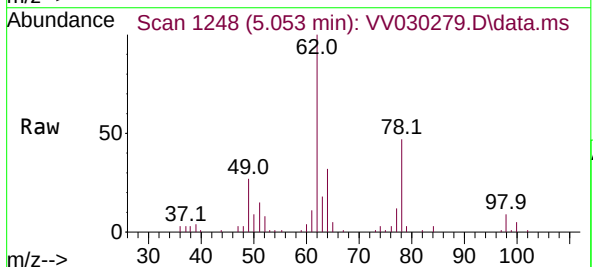
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

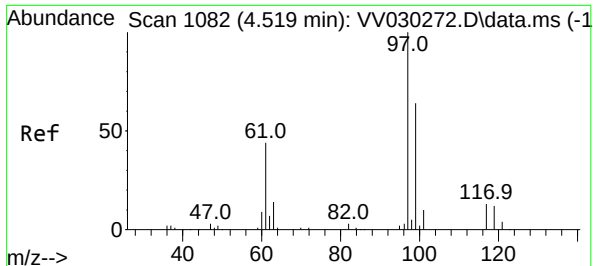
Tgt Ion: 83 Resp: 112062
Ion Ratio Lower Upper
83 100
85 65.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.694 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 62 Resp: 41265
Ion Ratio Lower Upper
62 100
98 8.6 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 75.006 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0A24MS

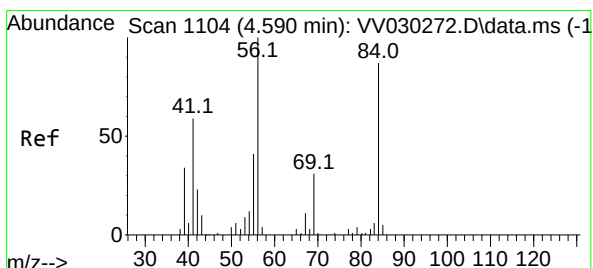
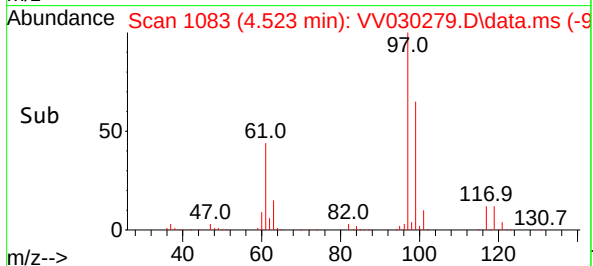
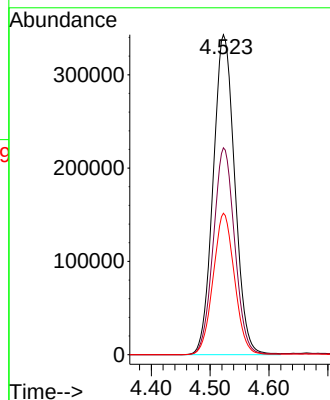
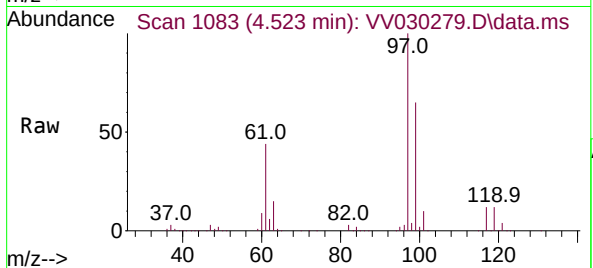
Tgt Ion: 97 Resp: 875527

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 43.7 31.5 47.3



#30

Cyclohexane

Concen: 3.717 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

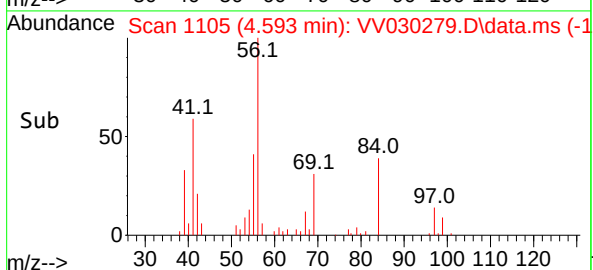
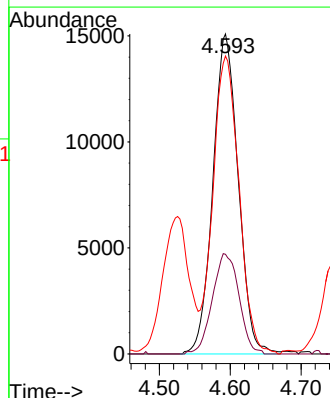
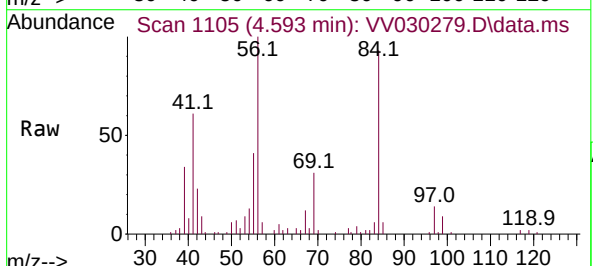
Tgt Ion: 56 Resp: 37494

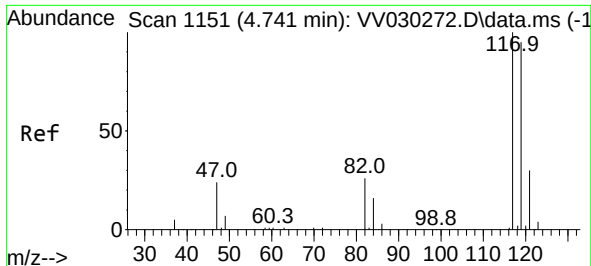
Ion Ratio Lower Upper

56 100

69 32.9 25.1 37.7

84 95.8 74.6 111.8

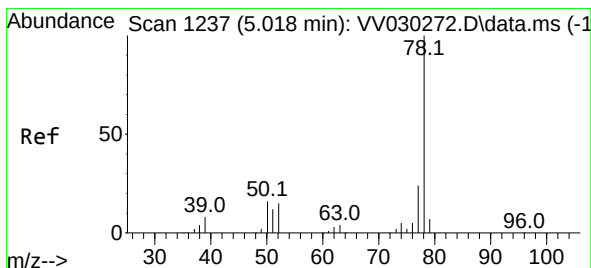
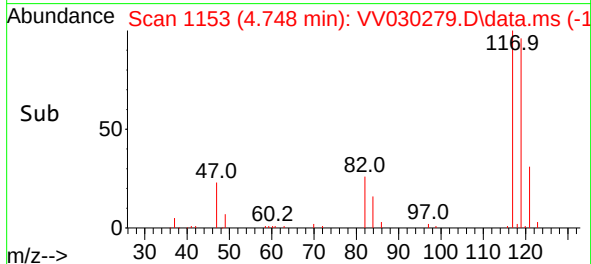
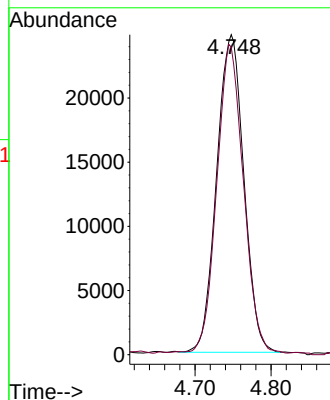
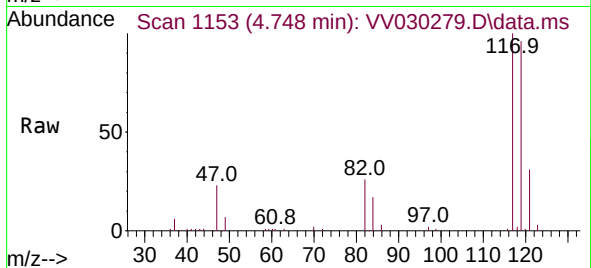




#31
Carbon tetrachloride
Concen: 5.851 ug/L
RT: 4.748 min Scan# 1151
Delta R.T. 0.006 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

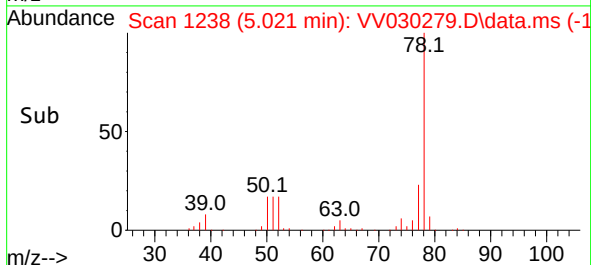
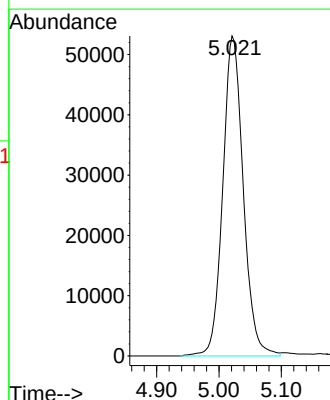
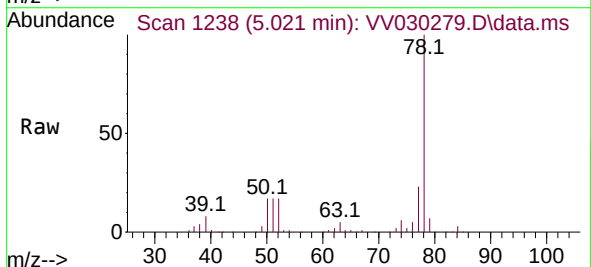
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

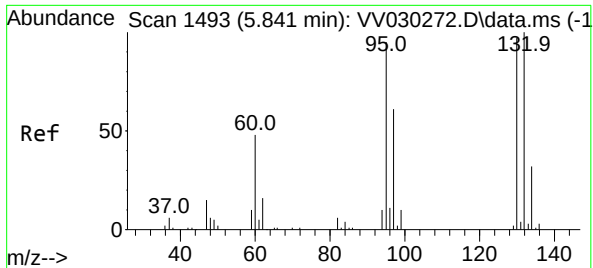
Tgt Ion:117 Resp: 61389
Ion Ratio Lower Upper
117 100
119 95.1 76.1 114.1



#33
Benzene
Concen: 4.467 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 78 Resp: 121230





#34

Trichloroethene

Concen: 73.163 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0A24MS

Tgt Ion: 95 Resp: 556342

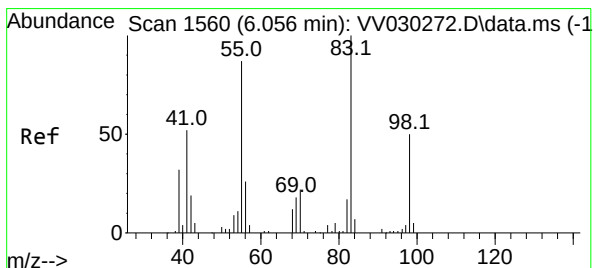
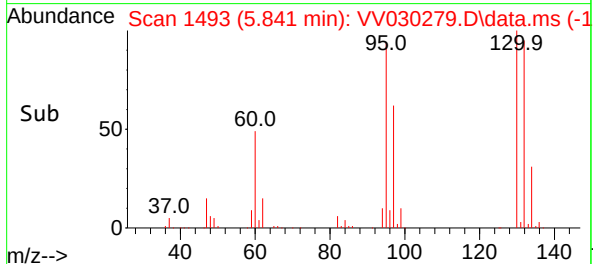
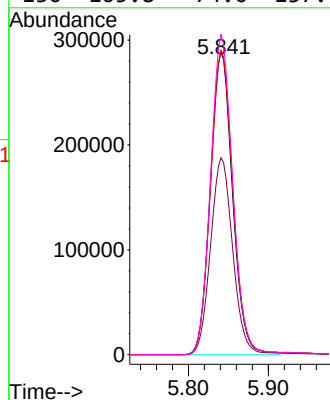
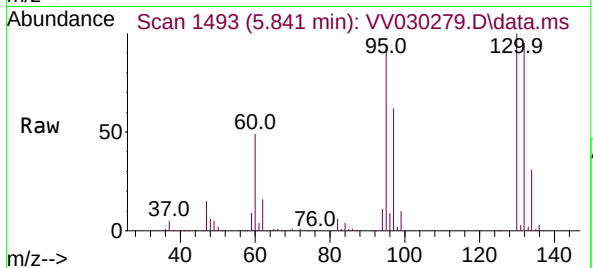
Ion Ratio Lower Upper

95 100

97 65.1 46.5 86.5

132 100.7 71.7 133.3

130 105.8 74.0 137.4



#35

Methylcyclohexane

Concen: 3.369 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. 0.006 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

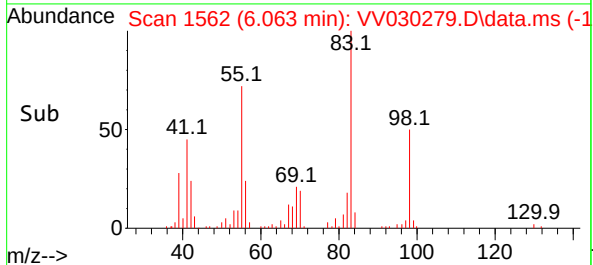
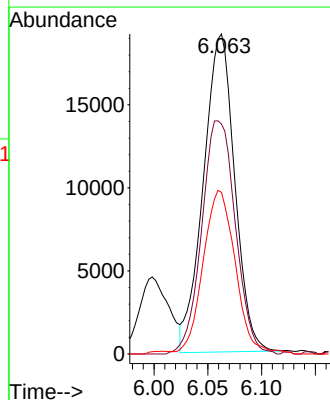
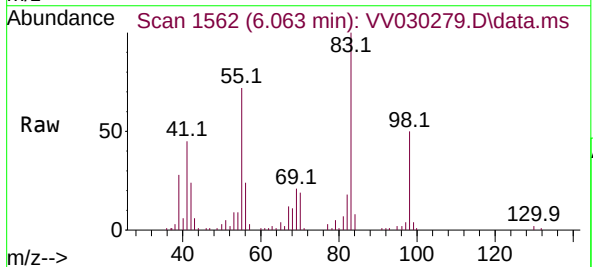
Tgt Ion: 83 Resp: 38774

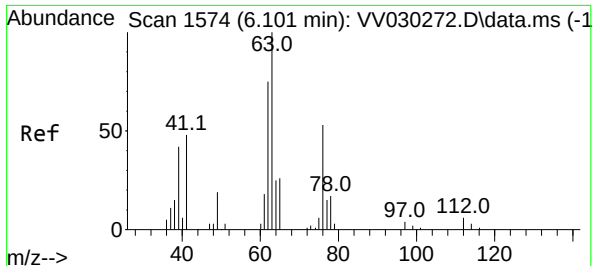
Ion Ratio Lower Upper

83 100

55 78.9 57.6 86.4

98 53.0 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.295 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

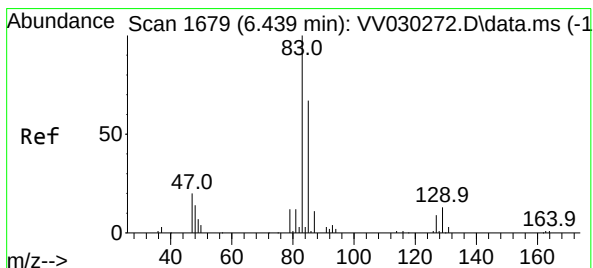
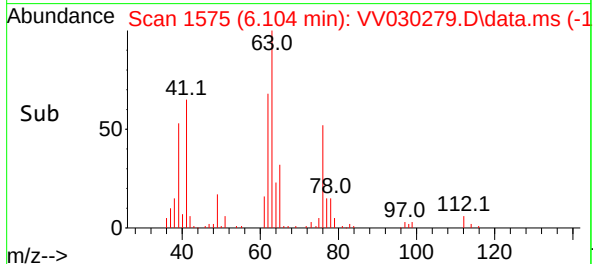
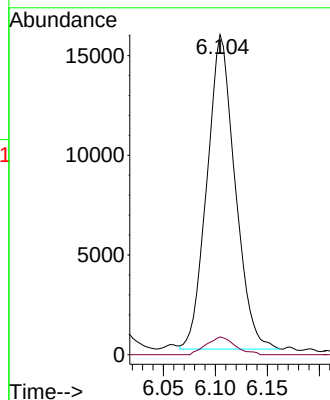
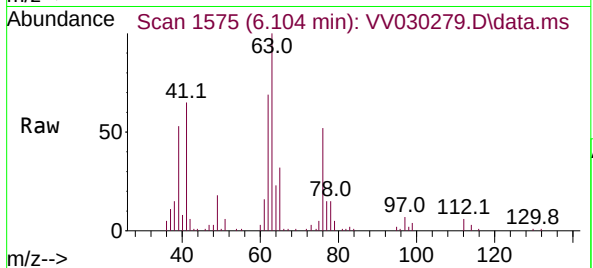
H0A24MS

Tgt Ion: 63 Resp: 29656

Ion Ratio Lower Upper

63 100

112 5.7 3.8 5.6#



#38

Bromodichloromethane

Concen: 5.207 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

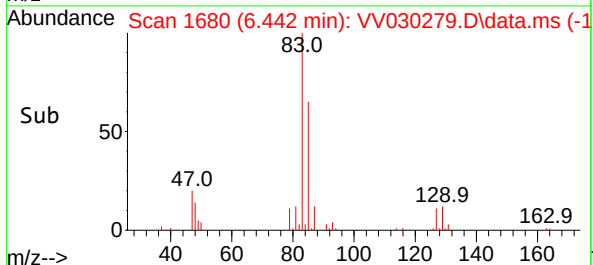
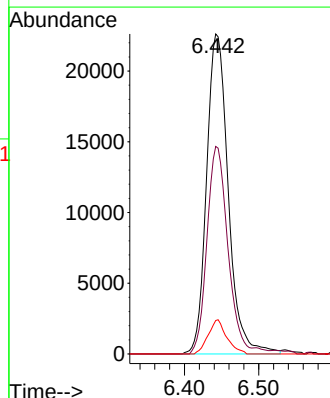
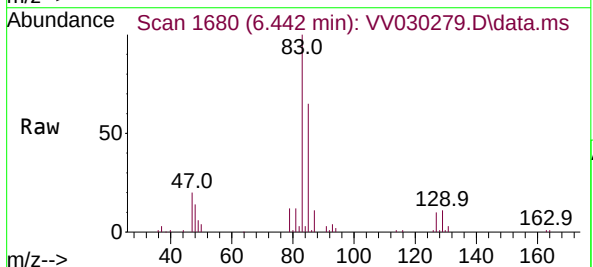
Tgt Ion: 83 Resp: 45895

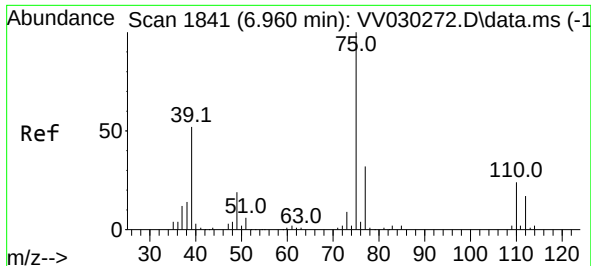
Ion Ratio Lower Upper

83 100

85 64.9 44.3 82.3

127 10.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 3.883 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

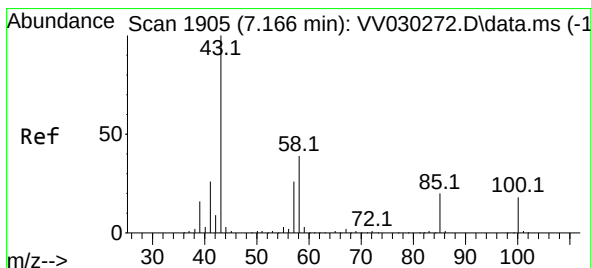
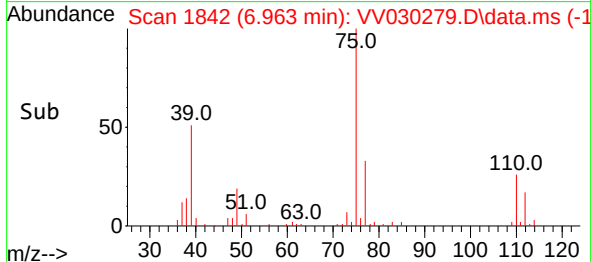
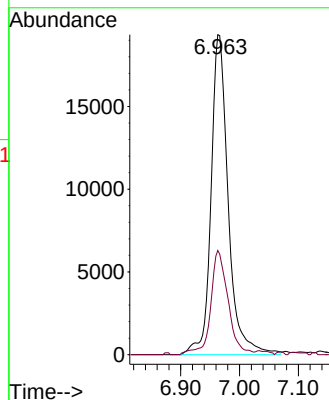
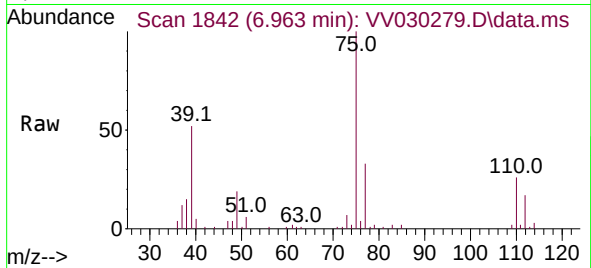
H0A24MS

Tgt Ion: 75 Resp: 39242

Ion Ratio Lower Upper

75 100

77 32.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 62.045 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

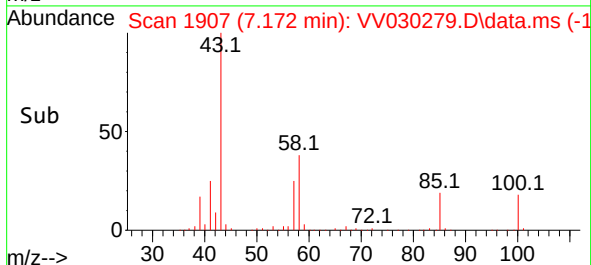
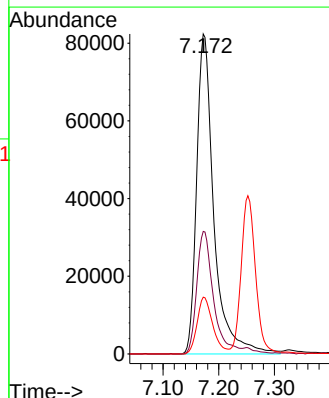
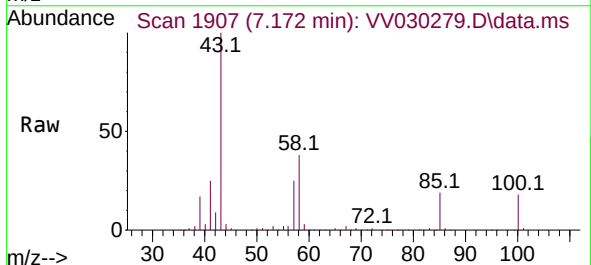
Tgt Ion: 43 Resp: 176760

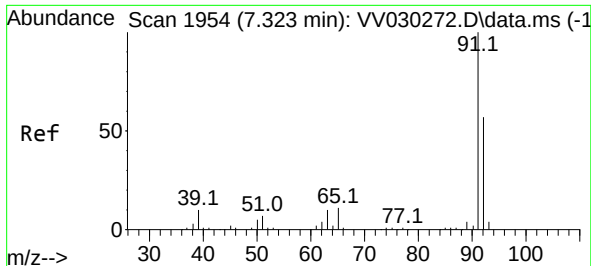
Ion Ratio Lower Upper

43 100

58 37.0 35.3 52.9

100 16.2 14.7 22.1





#42

Toluene

Concen: 4.517 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

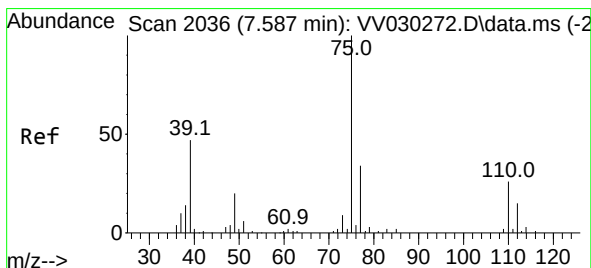
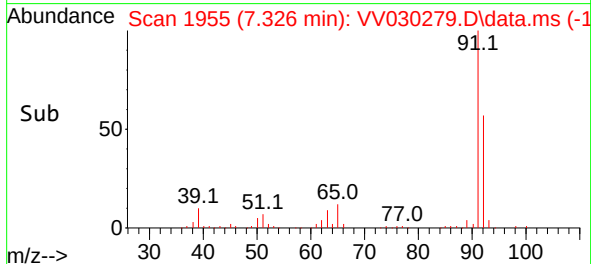
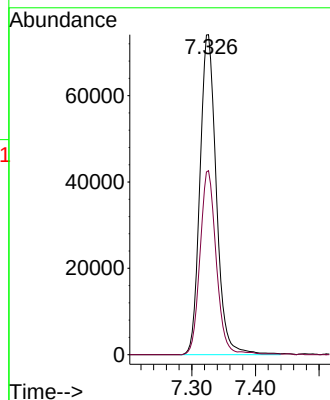
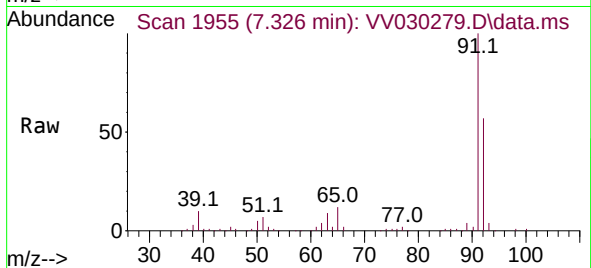
H0A24MS

Tgt Ion: 91 Resp: 132757

Ion Ratio Lower Upper

91 100

92 57.5 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.081 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.006 min

Lab File: VV030279.D

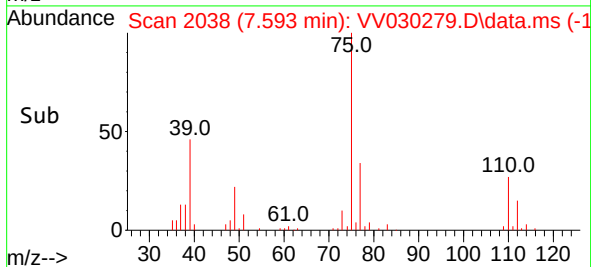
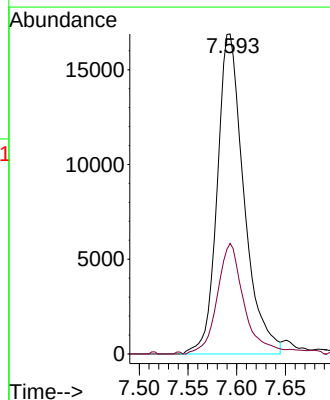
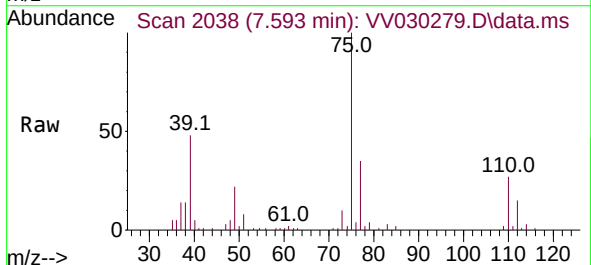
Acq: 21 Mar 2023 15:44

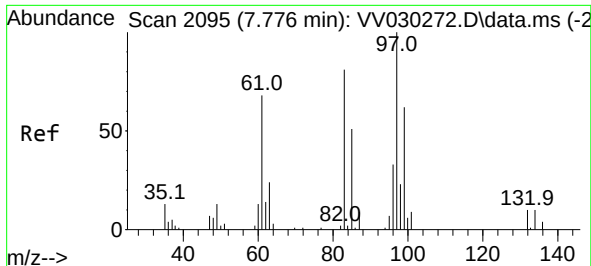
Tgt Ion: 75 Resp: 32197

Ion Ratio Lower Upper

75 100

77 34.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 4.984 ug/L

RT: 7.783 min Scan# 2095

Delta R.T. 0.006 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0A24MS

Tgt Ion: 97 Resp: 24623

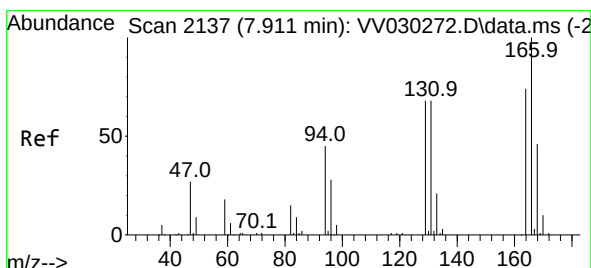
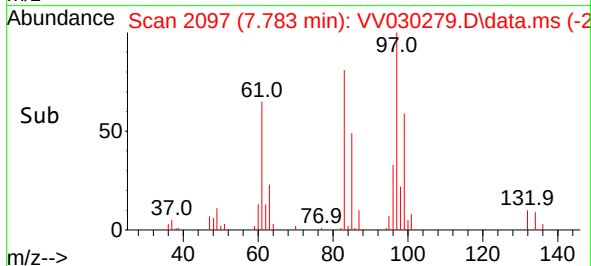
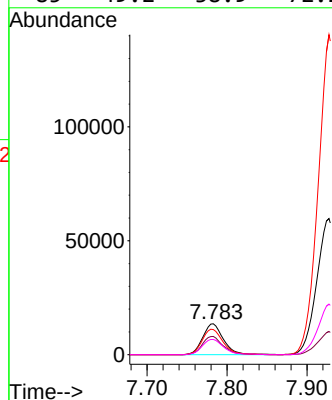
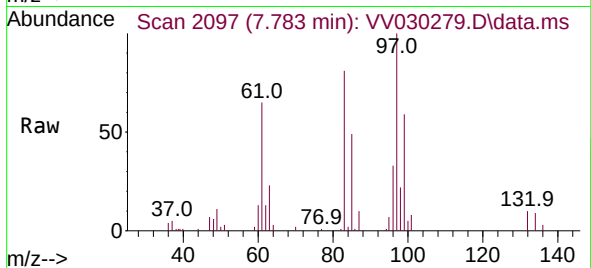
Ion Ratio Lower Upper

97 100

99 58.8 42.6 79.2

83 81.1 57.7 107.3

85 49.2 38.9 72.2



#47

Tetrachloroethene

Concen: 1578.026 ug/L

RT: 7.928 min Scan# 2142

Delta R.T. 0.016 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Tgt Ion: 164 Resp: 10300021

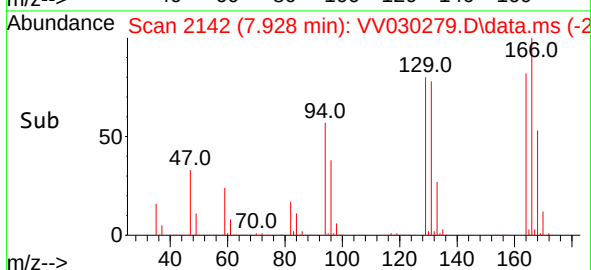
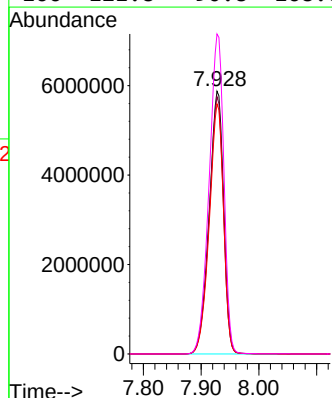
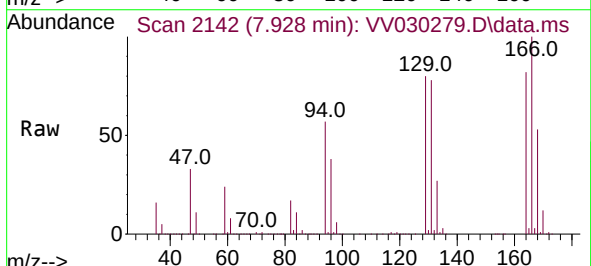
Ion Ratio Lower Upper

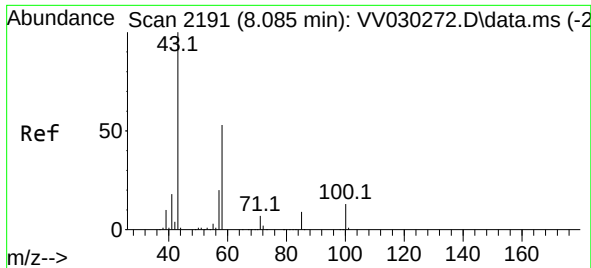
164 100

129 97.9 63.6 118.2

131 95.2 61.7 114.7

166 121.8 90.8 168.6

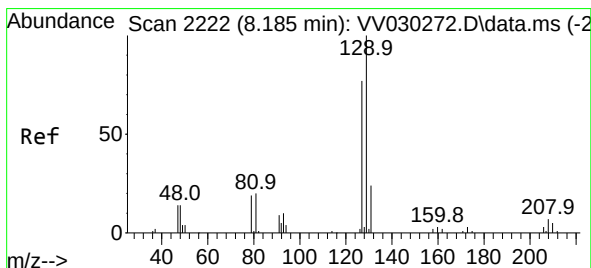
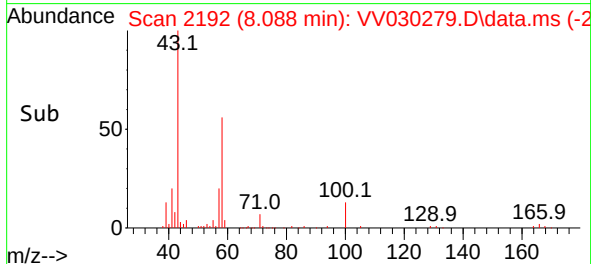
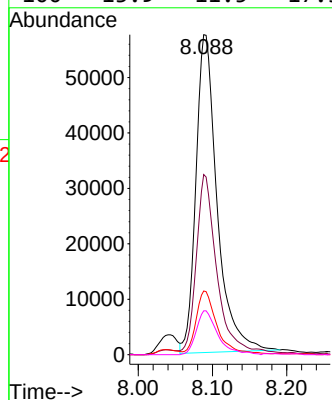
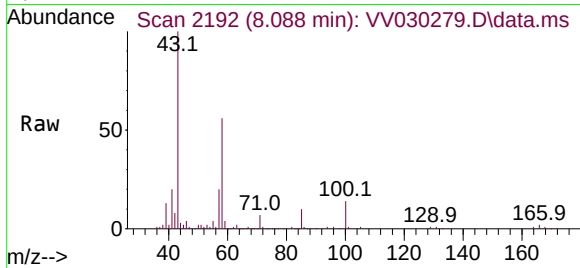




#48
2-Hexanone
Concen: 55.911 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

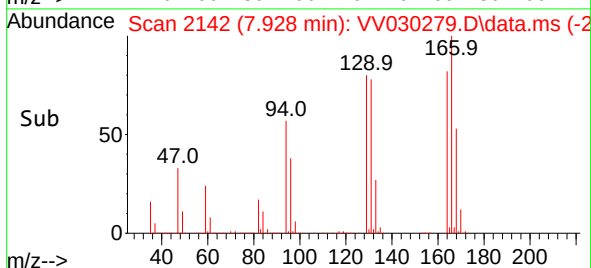
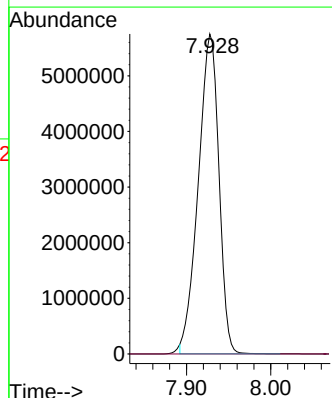
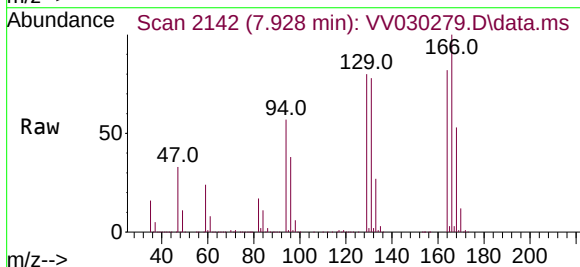
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

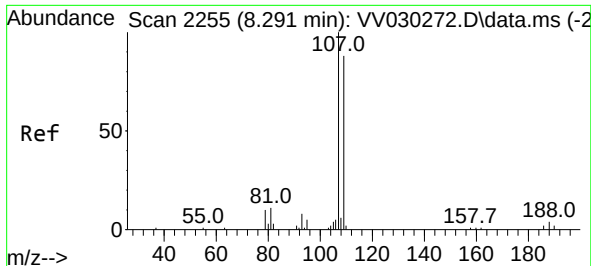
Tgt Ion: 43	Resp: 114032
Ion Ratio	Lower Upper
43 100	
58 51.9	49.8 74.8
57 19.3	16.6 24.8
100 13.9	11.5 17.3



#49
Dibromochloromethane
Concen: 1694.183 ug/L
RT: 7.928 min Scan# 2142
Delta R.T. -0.257 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion:129	Resp: 9793527		
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#

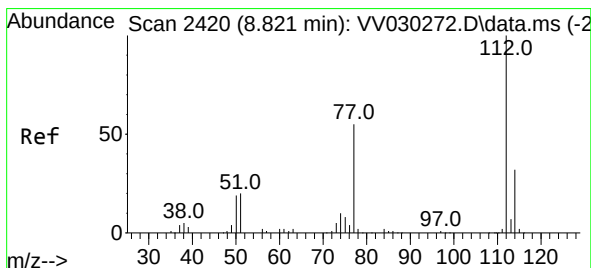
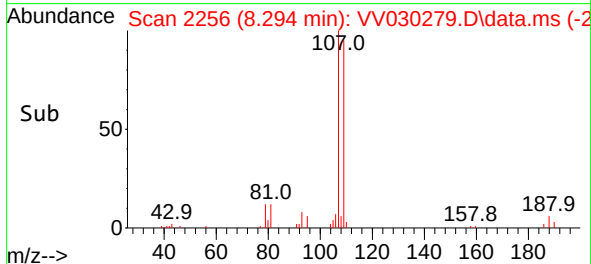
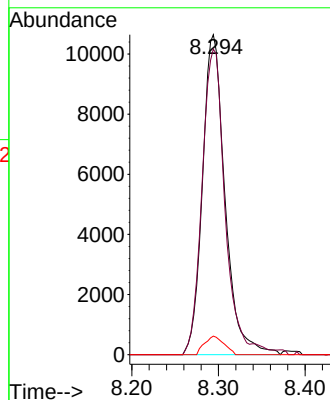
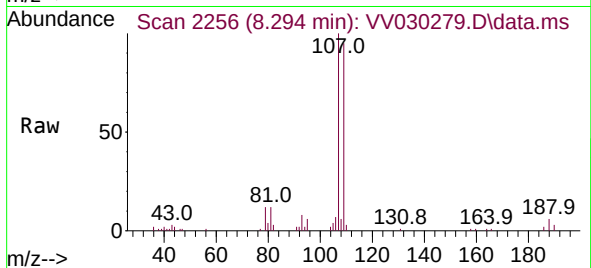




#50
1,2-Dibromoethane
Concen: 4.179 ug/L
RT: 8.294 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

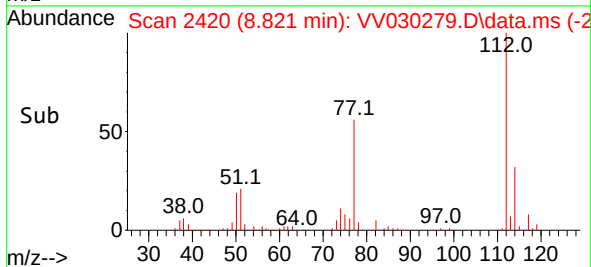
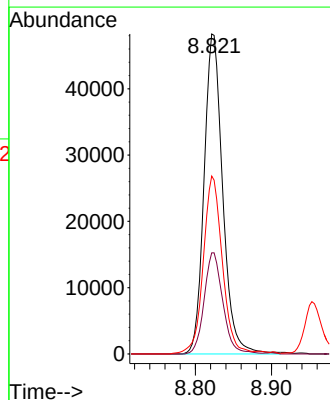
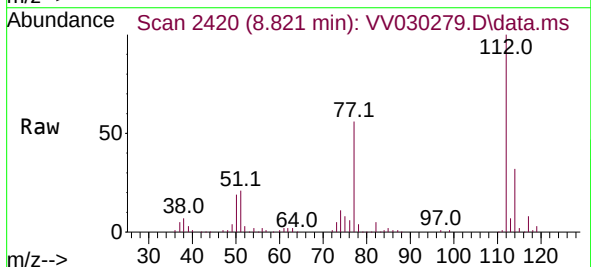
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

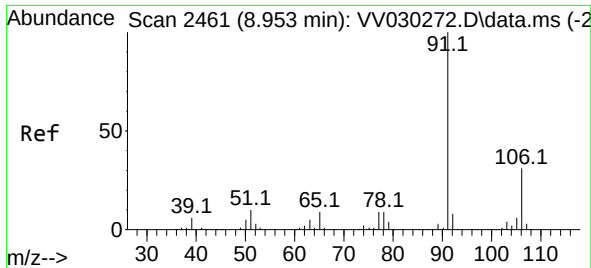
Tgt Ion:107 Resp: 19262
Ion Ratio Lower Upper
107 100
109 95.5 63.3 117.7
188 5.8 3.0 4.6#



#51
Chlorobenzene
Concen: 4.148 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion:112 Resp: 82217
Ion Ratio Lower Upper
112 100
114 31.6 22.5 41.7
77 55.6 45.3 67.9

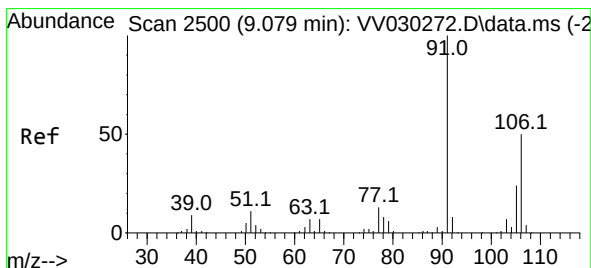
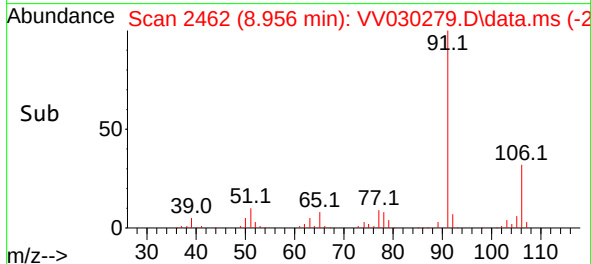
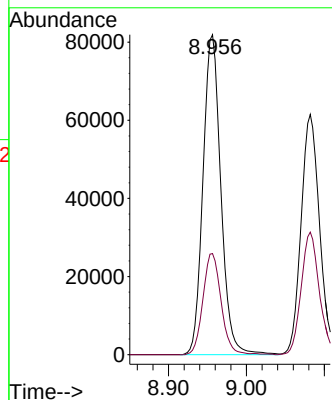
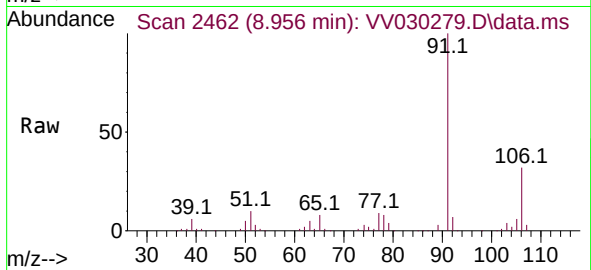




#52
Ethylbenzene
Concen: 4.082 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

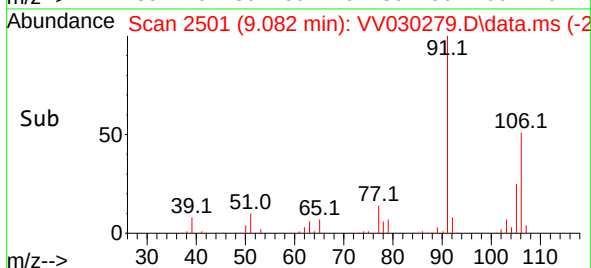
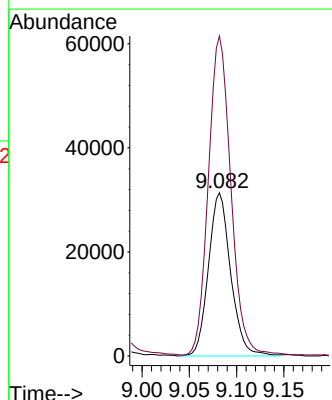
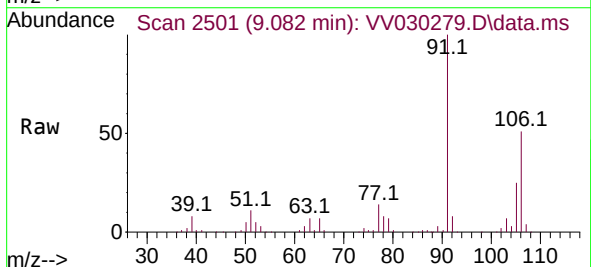
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

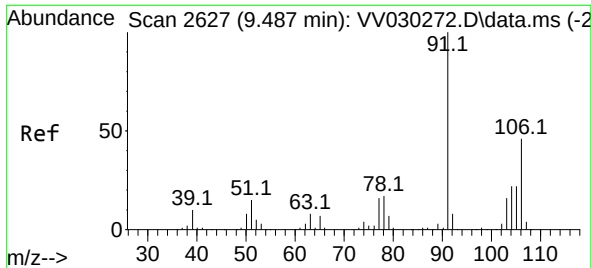
Tgt Ion: 91 Resp: 130568
Ion Ratio Lower Upper
91 100
106 31.6 22.0 40.8



#53
m,p-Xylene
Concen: 4.175 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 106 Resp: 51325
Ion Ratio Lower Upper
106 100
91 196.0 142.5 264.7

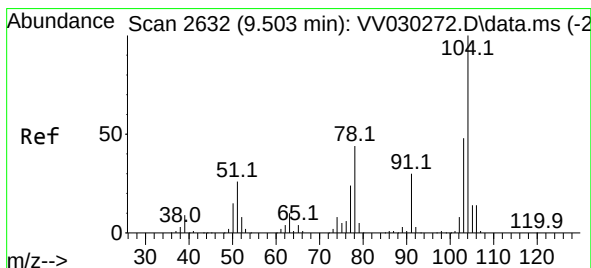
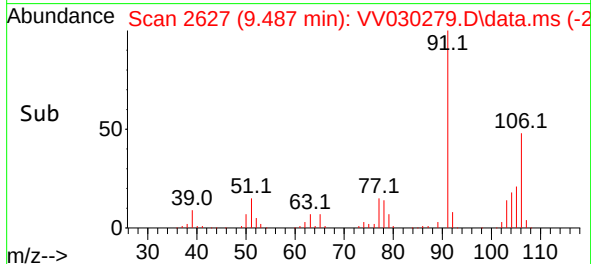
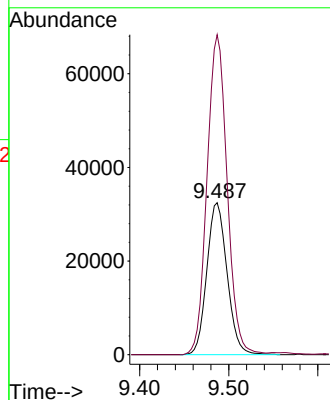
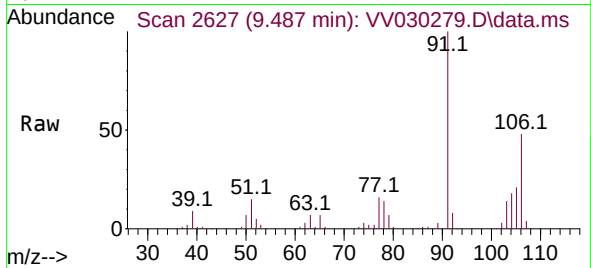




#54
o-Xylene
Concen: 4.365 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

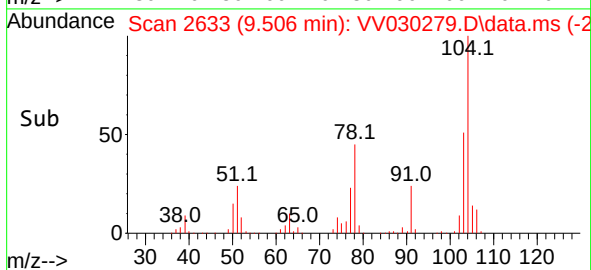
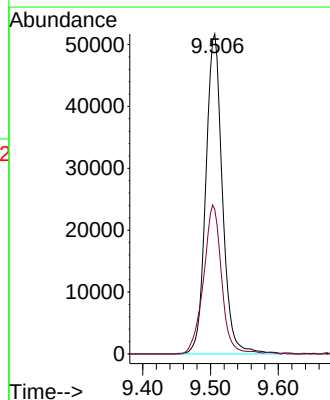
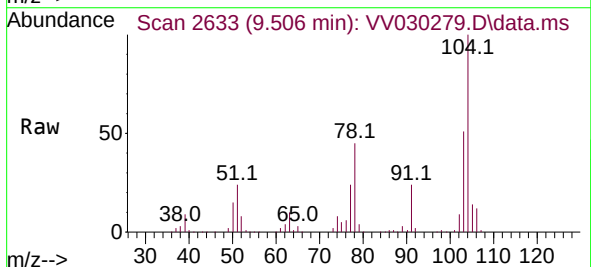
Instrument : MSVOA_V
ClientSampleId : H0A24MS

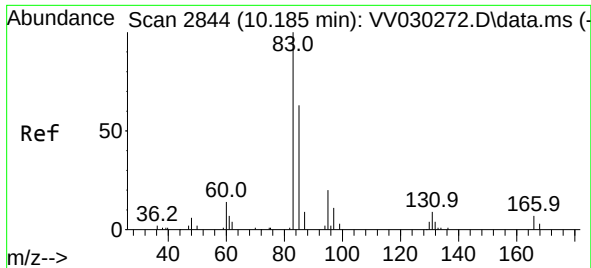
Tgt Ion:106 Resp: 51263
Ion Ratio Lower Upper
106 100
91 210.4 148.8 276.4



#55
Styrene
Concen: 4.498 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion:104 Resp: 87847
Ion Ratio Lower Upper
104 100
78 45.1 31.1 57.9

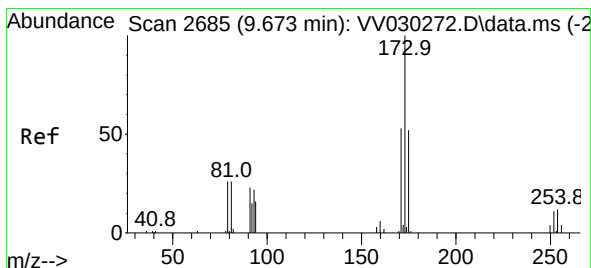
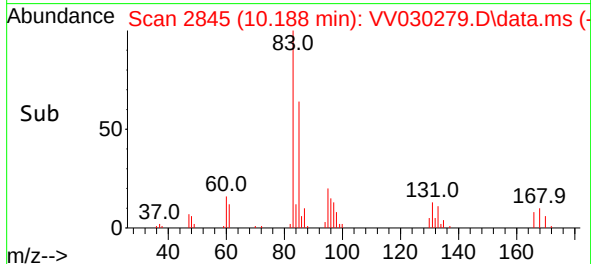
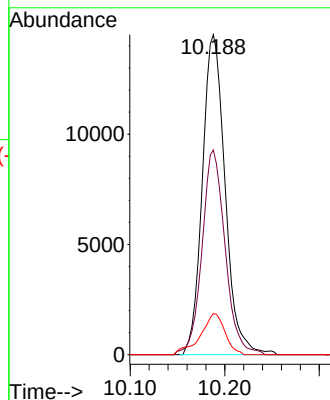
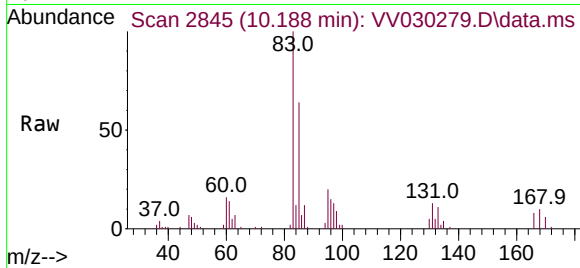




#57
1,1,2,2-Tetrachloroethane
Concen: 4.390 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

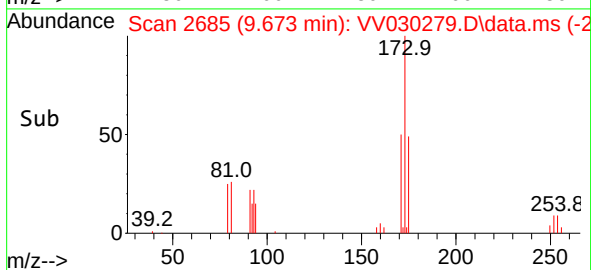
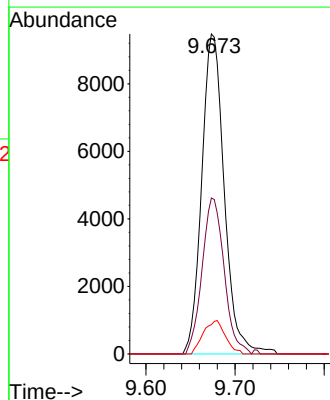
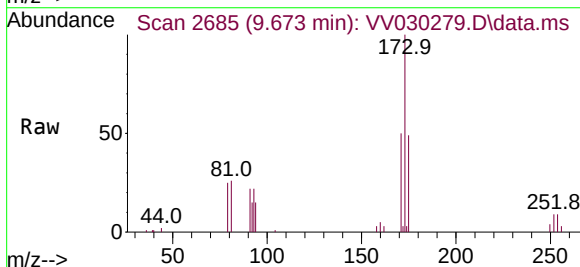
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

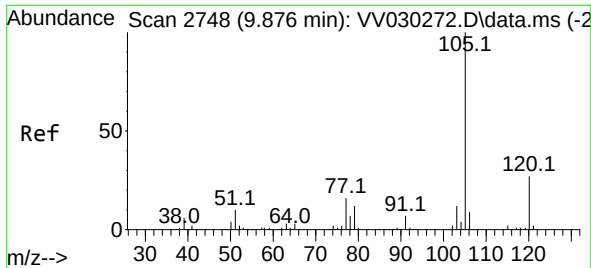
Tgt Ion: 83 Resp: 24258
Ion Ratio Lower Upper
83 100
85 64.0 45.0 83.6
131 12.9 8.2 12.4#



#59
Bromoform
Concen: 4.827 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 173 Resp: 16634
Ion Ratio Lower Upper
173 100
175 47.6 38.5 57.7
254 10.2 8.6 13.0

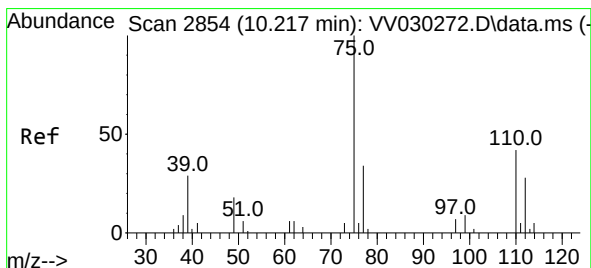
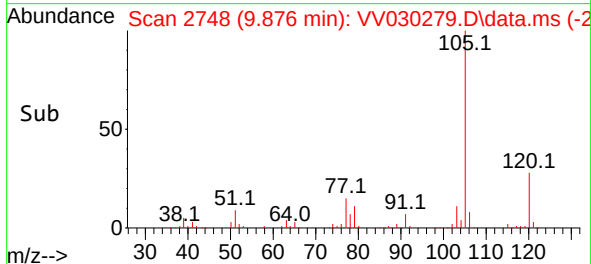
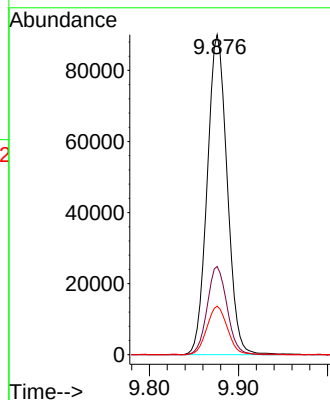
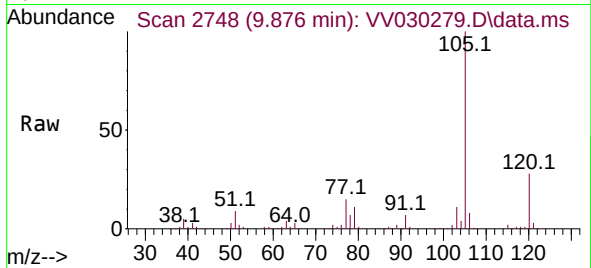




#60
Isopropylbenzene
Concen: 4.221 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

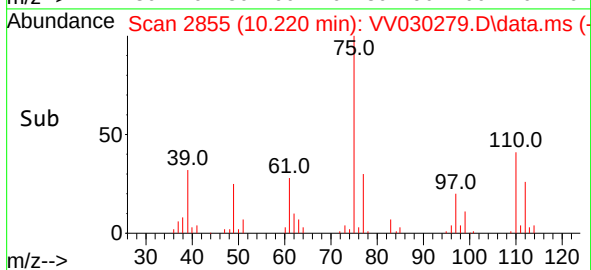
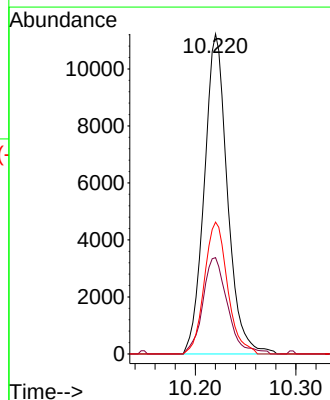
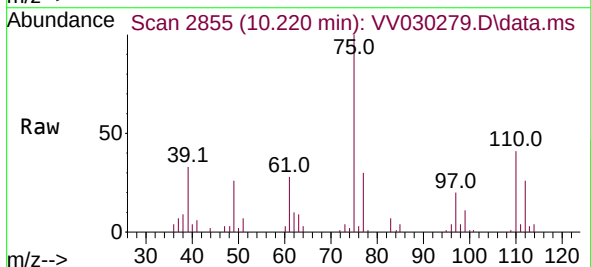
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

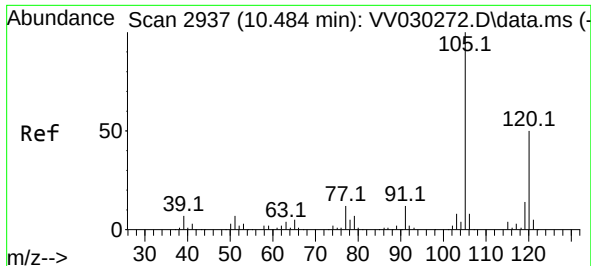
Tgt Ion:105 Resp: 139636
Ion Ratio Lower Upper
105 100
120 27.5 21.4 32.0
77 15.6 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.667 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion: 75 Resp: 17957
Ion Ratio Lower Upper
75 100
77 32.1 26.5 39.7
110 41.4 31.8 47.6

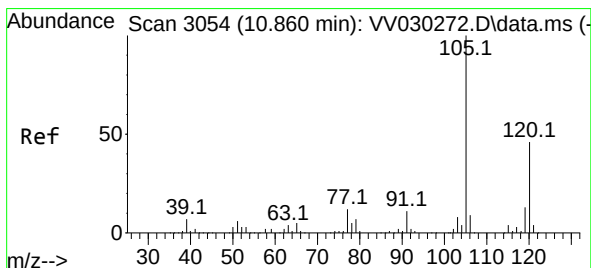
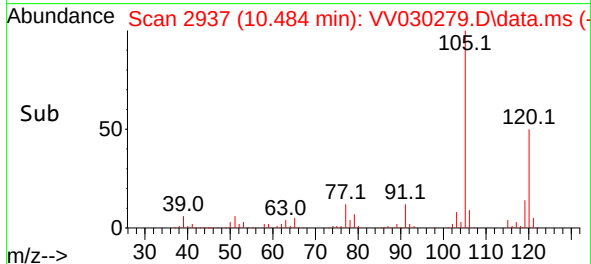
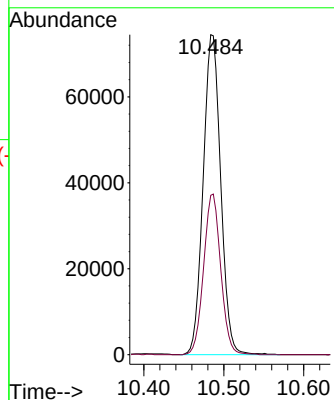
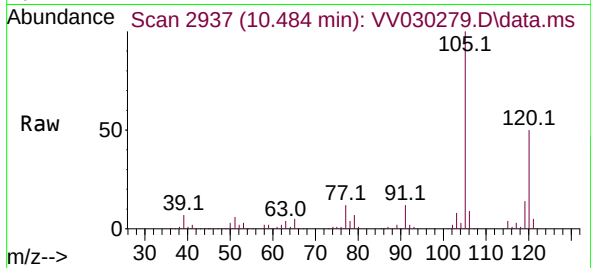




#62
 1,3,5-Trimethylbenzene
 Concen: 4.189 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

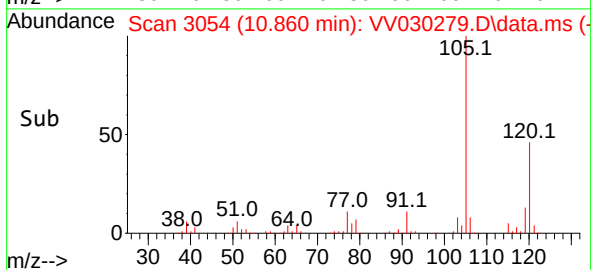
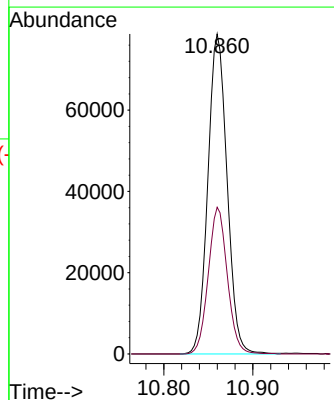
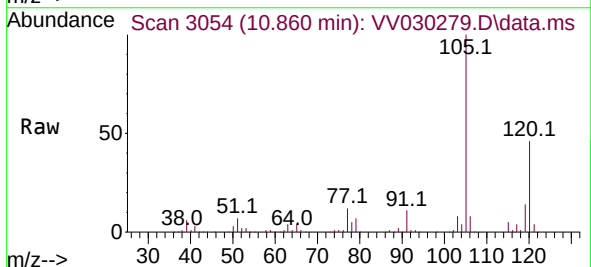
Instrument :
 MSVOA_V
 ClientSampleId :
 H0A24MS

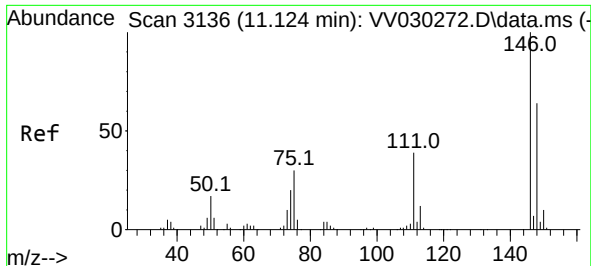
Tgt Ion:105 Resp: 113832
 Ion Ratio Lower Upper
 105 100
 120 49.0 39.6 59.4



#63
 1,2,4-Trimethylbenzene
 Concen: 4.229 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

Tgt Ion:105 Resp: 117542
 Ion Ratio Lower Upper
 105 100
 120 45.5 36.2 54.4

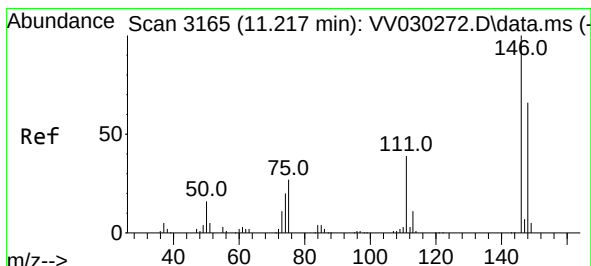
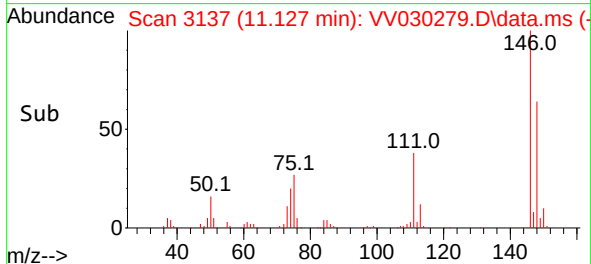
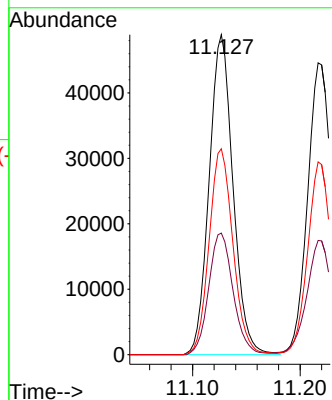
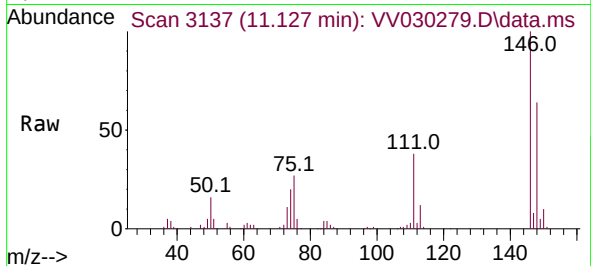




#64
1,3-Dichlorobenzene
Concen: 4.373 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

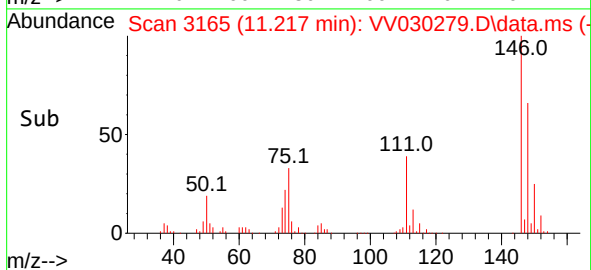
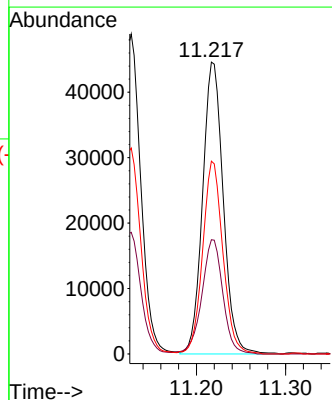
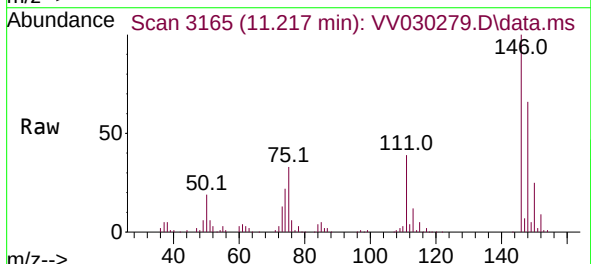
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

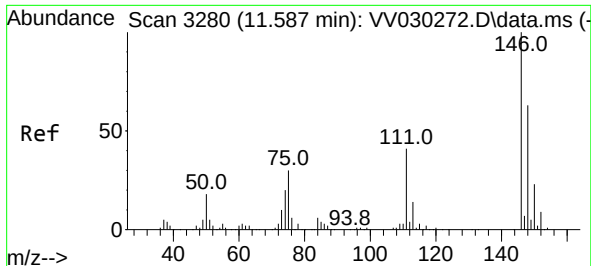
Tgt Ion:146 Resp: 75323
Ion Ratio Lower Upper
146 100
111 38.0 27.7 51.5
148 64.3 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.138 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion:146 Resp: 71910
Ion Ratio Lower Upper
146 100
111 39.2 27.4 51.0
148 66.1 44.1 81.9

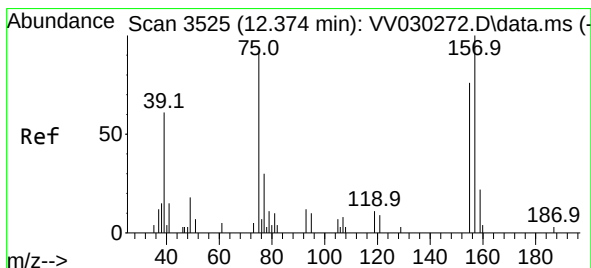
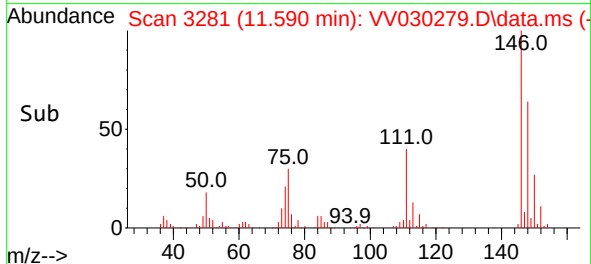
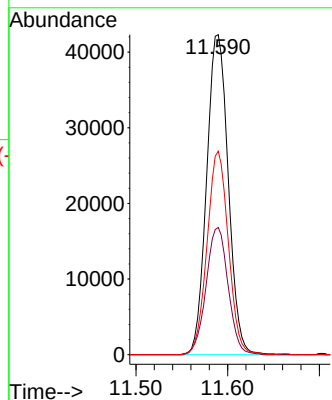
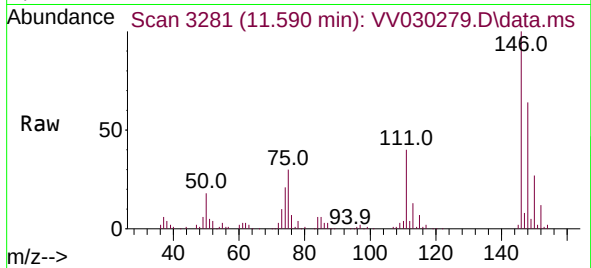




#67
 1,2-Dichlorobenzene
 Concen: 4.553 ug/L
 RT: 11.590 min Scan# 3281
 Delta R.T. 0.003 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

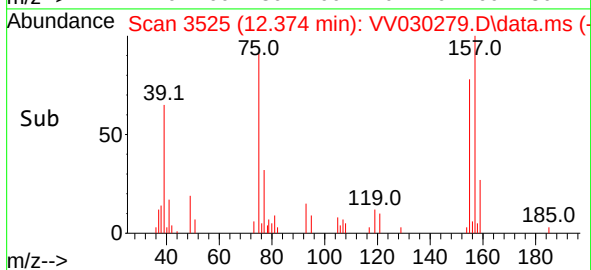
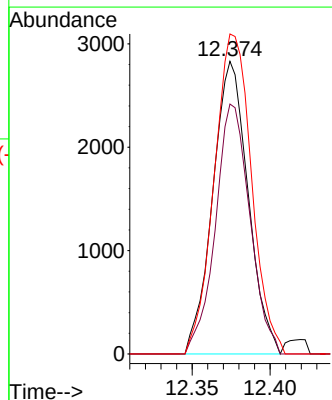
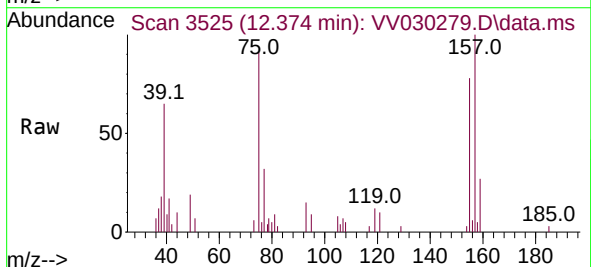
Instrument :
 MSVOA_V
 ClientSampleId :
 H0A24MS

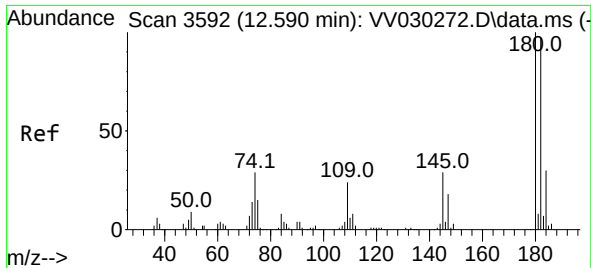
Tgt Ion:146 Resp: 69246
 Ion Ratio Lower Upper
 146 100
 111 39.7 33.5 50.3
 148 63.6 51.3 76.9



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.201 ug/L
 RT: 12.374 min Scan# 3525
 Delta R.T. -0.000 min
 Lab File: VV030279.D
 Acq: 21 Mar 2023 15:44

Tgt Ion: 75 Resp: 4470
 Ion Ratio Lower Upper
 75 100
 155 85.4 79.1 118.7
 157 109.3 95.5 143.3

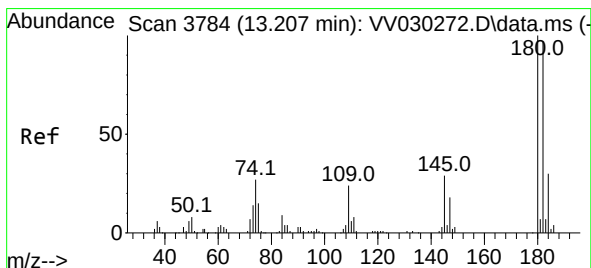
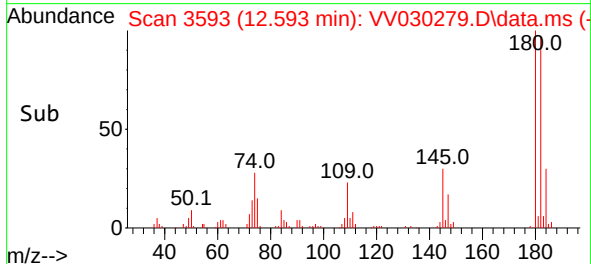
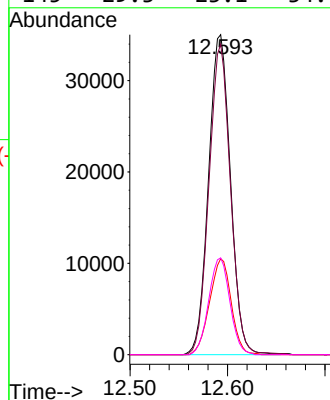
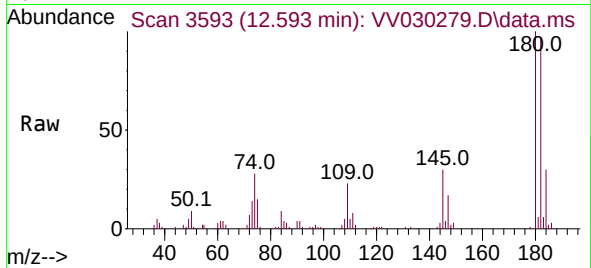




#69
1,3,5-Trichlorobenzene
Concen: 3.856 ug/L
RT: 12.593 min Scan# 3593
Delta R.T. 0.003 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

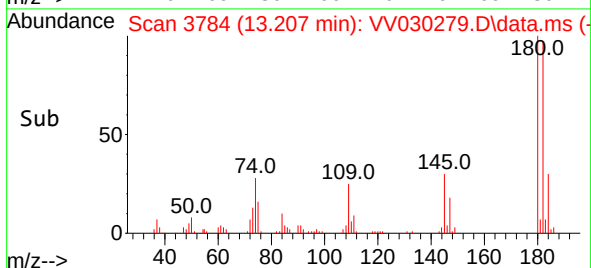
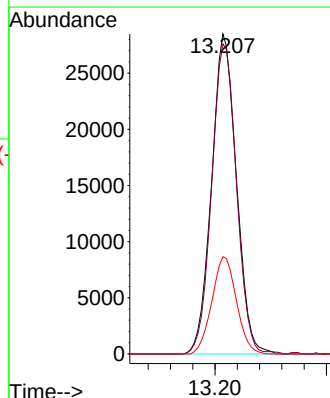
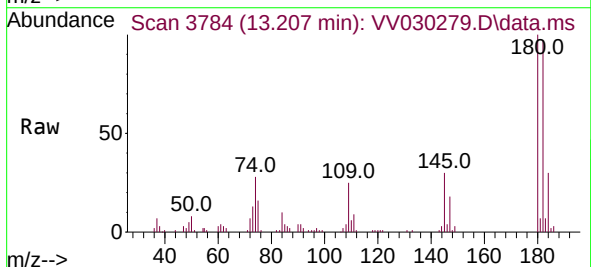
Instrument :
MSVOA_V
ClientSampleId :
H0A24MS

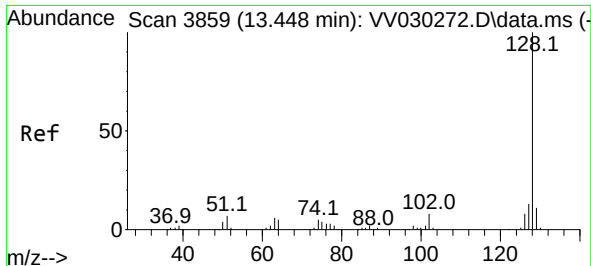
Tgt Ion:180	Resp:	54605
Ion Ratio	Lower	Upper
180	100	
182	95.1	76.5 114.7
184	29.6	24.3 36.5
145	29.3	23.1 34.7



#70
1,2,4-trichlorobenzene
Concen: 3.834 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. -0.000 min
Lab File: VV030279.D
Acq: 21 Mar 2023 15:44

Tgt Ion:180	Resp:	43978
Ion Ratio	Lower	Upper
180	100	
182	96.9	77.3 115.9
145	30.1	23.1 34.7





#71
Naphthalene

Concen: 4.494 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Instrument :

MSVOA_V

ClientSampleId :

H0A24MS

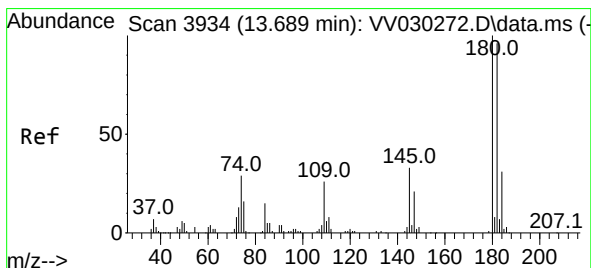
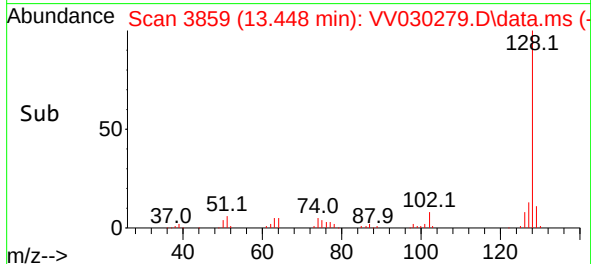
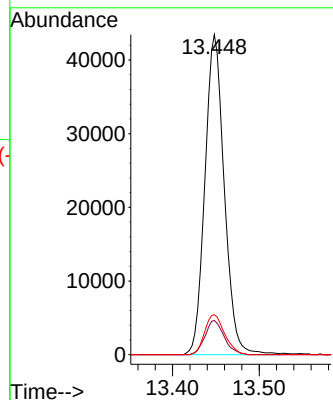
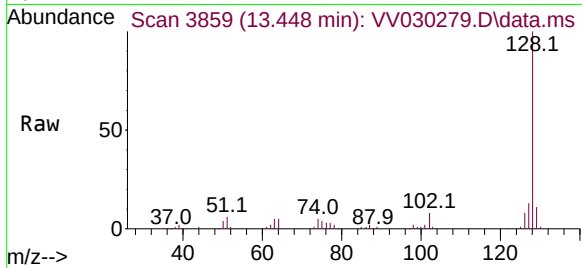
Tgt Ion:128 Resp: 67369

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 12.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.170 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030279.D

Acq: 21 Mar 2023 15:44

Tgt Ion:180 Resp: 39378

Ion Ratio Lower Upper

180 100

182 97.3 76.2 114.2

145 30.6 25.1 37.7

