

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032123\
 Data File : VW030280.D
 Acq On : 21 Mar 2023 16:09
 Operator : SY/MD
 Sample : 01996-03MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A24MSD

Quant Time: Mar 22 06:07:32 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	122597	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	107094	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	62596	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	31565	3.979	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.600%
7) Chloroethane-d5	1.536	69	29306	3.936	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.800%
11) 1,1-Dichloroethene-d2	2.072	63	186882	11.459	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	229.200%#
20) 2-Butanone-d5	3.825	46	16543	11.311	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	22.620%#
24) Chloroform-d	4.262	84	74458	4.595	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
26) 1,2-Dichloroethane-d4	4.953	65	36300	5.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.800%
32) Benzene-d6	4.973	84	124556	4.322	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	5.998	67	35893	4.140	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.800%
41) Toluene-d8	7.252	98	121466	4.447	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.000%
43) trans-1,3-Dichloroprop...	7.561	79	13048	4.399	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.037	63	58857	47.965	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.940%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	26340	4.271	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	46787	4.418	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	38454	3.855	ug/L	97
3) Chloromethane	1.217	50	53900	3.429	ug/L	95
5) Vinyl chloride	1.285	62	39880	3.818	ug/L	98
6) Bromomethane	1.491	94	10258	5.471	ug/L	98
8) Chloroethane	1.552	64	25146	3.951	ug/L	96
9) Trichlorofluoromethane	1.719	101	72031	4.806	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	37639	4.049	ug/L	96
12) 1,1-Dichloroethene	2.076	96	237399	28.854	ug/L #	74
13) Acetone	2.163	43	15000	13.876	ug/L #	1
14) Carbon disulfide	2.246	76	67220	3.054	ug/L	100
15) Methyl Acetate	2.397	43	12125	4.803	ug/L #	83
16) Methylene chloride	2.452	84	32145	3.198	ug/L	91
17) Methyl tert-butyl Ether	2.716	73	73663	4.578	ug/L #	94
18) trans-1,2-Dichloroethene	2.699	96	30129	3.850	ug/L	95
19) 1,1-Dichloroethane	3.121	63	76650	5.257	ug/L	98
21) 2-Butanone	3.915	43	66962	46.060	ug/L	81
22) cis-1,2-Dichloroethene	3.825	96	291785	33.729	ug/L	95
23) Bromochloromethane	4.162	128	15756	4.262	ug/L	97
25) Chloroform	4.288	83	118729	7.828	ug/L	99

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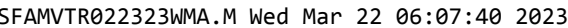
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 ClientSampleId :
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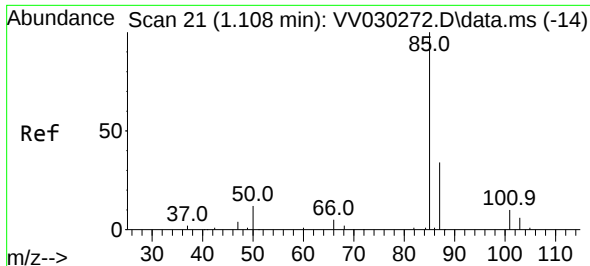
Quant Time: Mar 22 06:07:32 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 22 06:04:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	43413	5.472	ug/L	95
29) 1,1,1-Trichloroethane	4.523	97	975112	77.510	ug/L	97
30) Cyclohexane	4.593	56	42667	3.925	ug/L	99
31) Carbon tetrachloride	4.744	117	67590	5.977	ug/L	99
33) Benzene	5.021	78	129501	4.428	ug/L	100
34) Trichloroethene	5.841	95	627229	76.533	ug/L	98
35) Methylcyclohexane	6.059	83	46073	3.715	ug/L	94
37) 1,2-Dichloropropane	6.104	63	32935	4.426	ug/L	98
38) Bromodichloromethane	6.442	83	49095	5.168	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	41643	3.823	ug/L	97
40) 4-Methyl-2-pentanone	7.172	43	174509	56.835	ug/L	91
42) Toluene	7.323	91	145345	4.588	ug/L	99
44) trans-1,3-Dichloropropene	7.593	75	35815	4.212	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	24181	4.542	ug/L	98
47) Tetrachloroethene	7.931	164	11537110	1640.007	ug/L	92
48) 2-Hexanone	8.088	43	115049	52.340	ug/L	93
49) Dibromochloromethane	7.931	129	11028113	1770.089	ug/L #	10
50) 1,2-Dibromoethane	8.294	107	20150	4.056	ug/L	96
51) Chlorobenzene	8.821	112	89835	4.205	ug/L	100
52) Ethylbenzene	8.953	91	143585	4.165	ug/L	98
53) m,p-Xylene	9.082	106	57304	4.325	ug/L	95
54) o-Xylene	9.487	106	56462	4.461	ug/L	95
55) Styrene	9.503	104	98028	4.658	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.188	83	24738	4.154	ug/L	95
59) Bromoform	9.673	173	17458	4.653	ug/L	99
60) Isopropylbenzene	9.876	105	155670	4.322	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	18270	4.361	ug/L	95
62) 1,3,5-Trimethylbenzene	10.487	105	125175	4.231	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	130003	4.296	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	84953	4.530	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	81527	4.309	ug/L	97
67) 1,2-Dichlorobenzene	11.590	146	75629	4.567	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.378	75	5058	5.406	ug/L #	76
69) 1,3,5-Trichlorobenzene	12.593	180	62003	4.022	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	51226	4.102	ug/L	98
71) Naphthalene	13.448	128	74091	4.540	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	44225	4.302	ug/L	99

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

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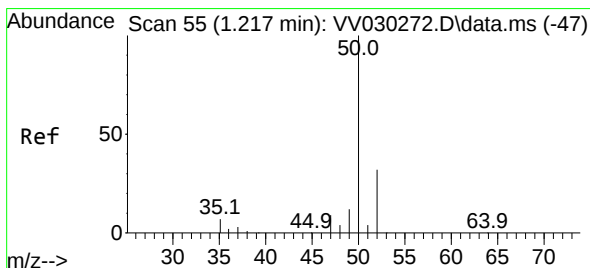
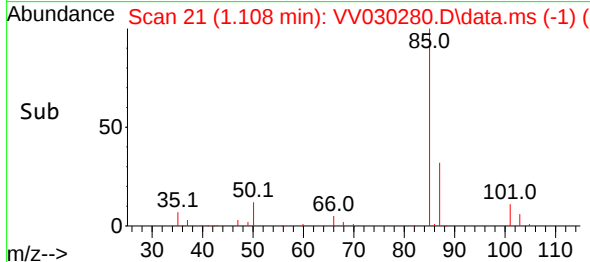
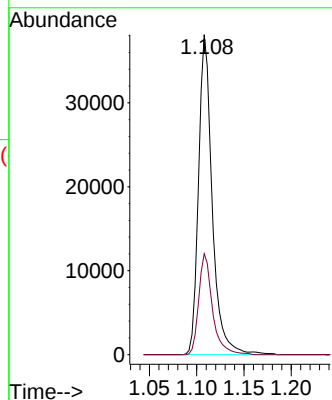
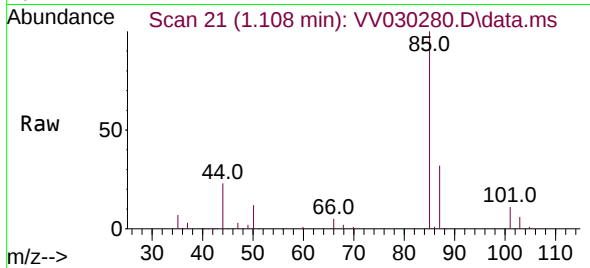




#2
 Dichlorodifluoromethane
 Concen: 3.855 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

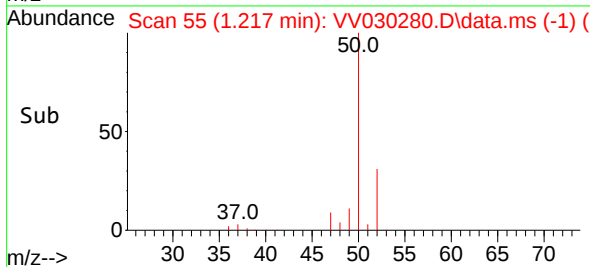
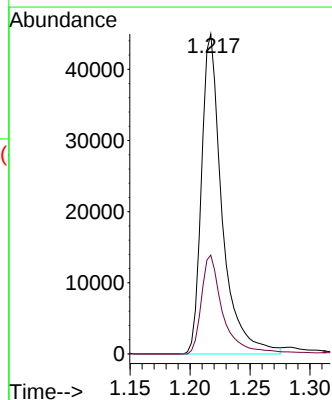
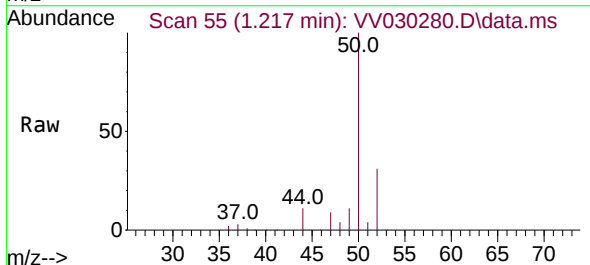
Instrument :
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 ClientSampleId :
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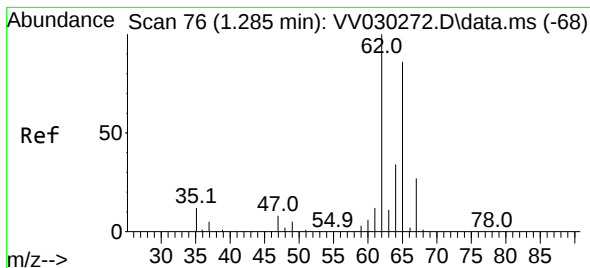
Tgt Ion: 85 Resp: 38454
 Ion Ratio Lower Upper
 85 100
 87 31.5 26.6 39.8



#3
 Chloromethane
 Concen: 3.429 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

Tgt Ion: 50 Resp: 53900
 Ion Ratio Lower Upper
 50 100
 52 30.9 23.6 43.8

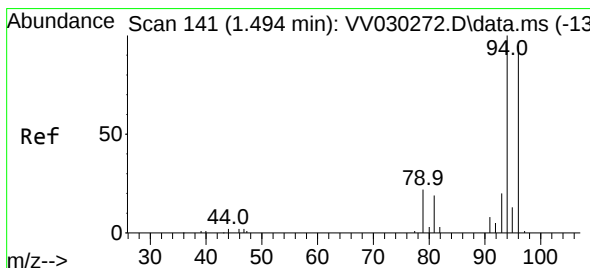
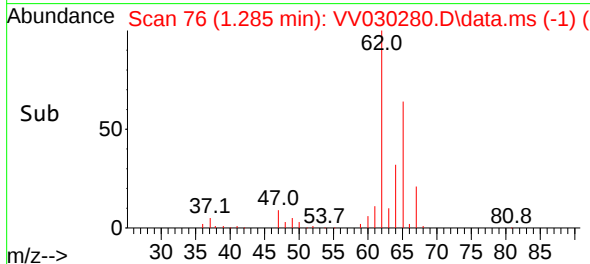
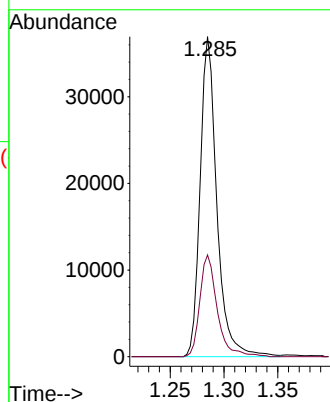
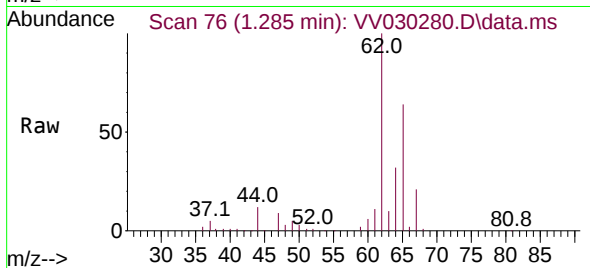




#5
 Vinyl chloride
 Concen: 3.818 ug/L
 RT: 1.285 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

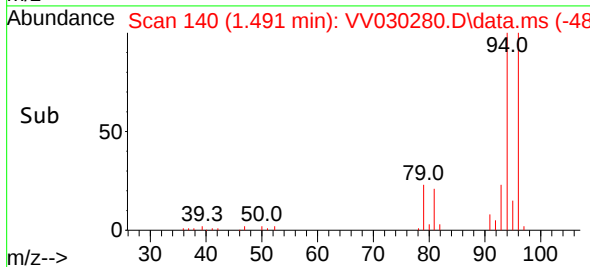
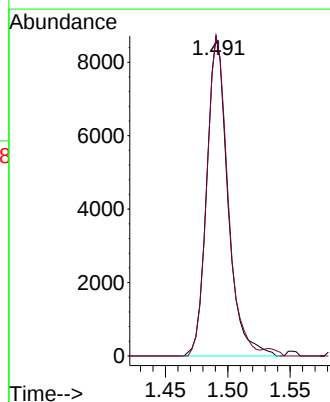
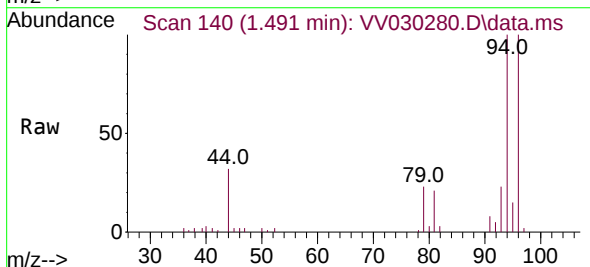
Instrument :
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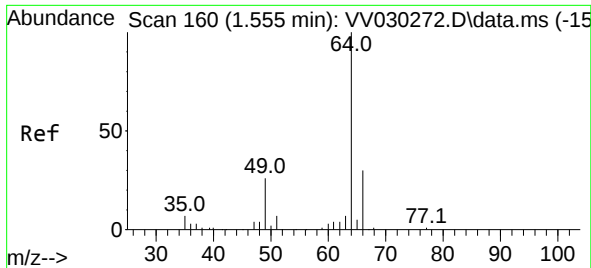
Tgt Ion: 62 Resp: 39880
 Ion Ratio Lower Upper
 62 100
 64 31.8 23.1 42.9



#6
 Bromomethane
 Concen: 5.471 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

Tgt Ion: 94 Resp: 10258
 Ion Ratio Lower Upper
 94 100
 96 99.8 68.4 127.0





#8

Chloroethane

Concen: 3.951 ug/L

RT: 1.552 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

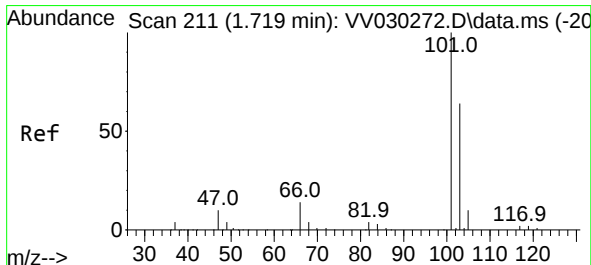
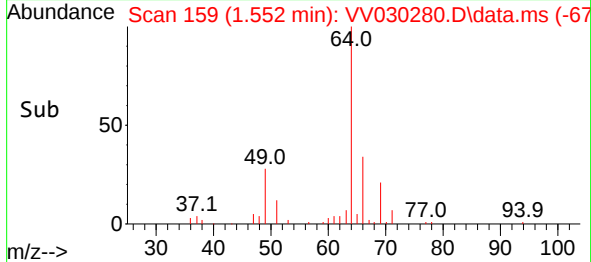
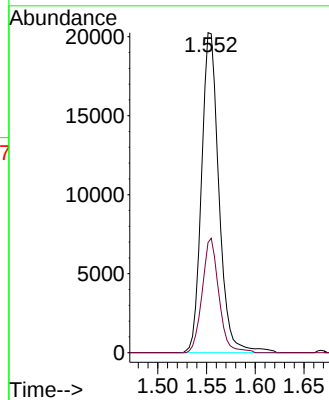
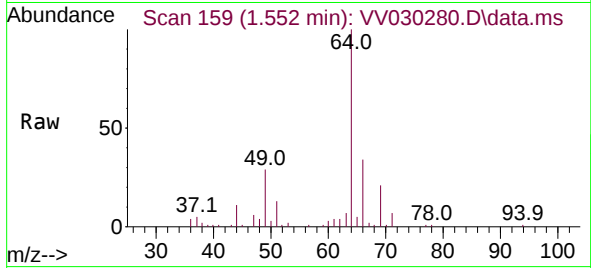
H0A24MSD

Tgt Ion: 64 Resp: 25146

Ion Ratio Lower Upper

64 100

66 34.4 22.4 41.6



#9

Trichlorofluoromethane

Concen: 4.806 ug/L

RT: 1.719 min Scan# 211

Delta R.T. 0.000 min

Lab File: VV030280.D

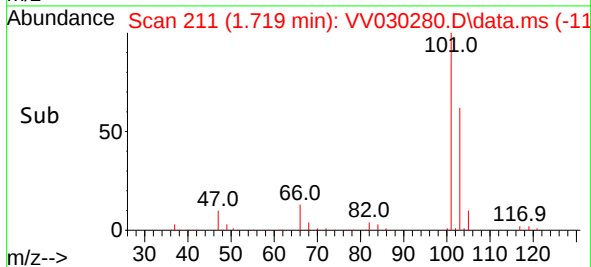
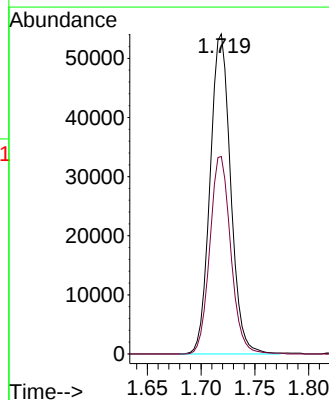
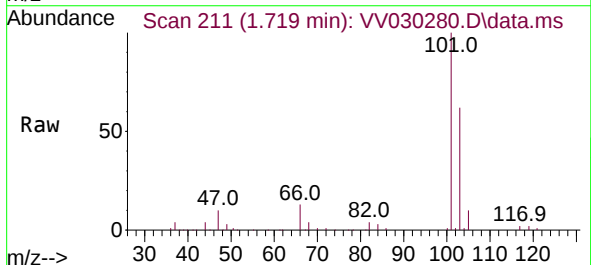
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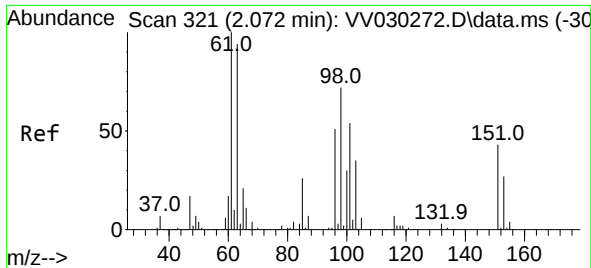
Tgt Ion:101 Resp: 72031

Ion Ratio Lower Upper

101 100

103 62.8 52.7 79.1

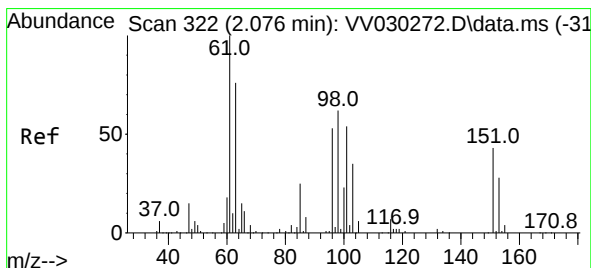
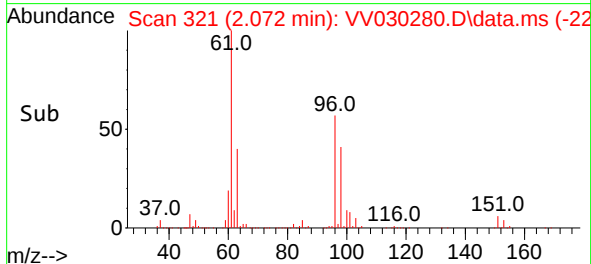
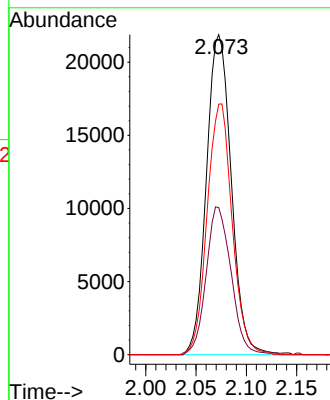
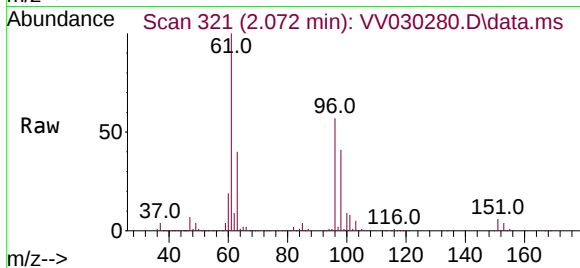




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.049 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

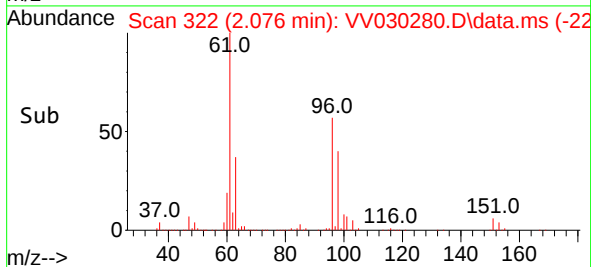
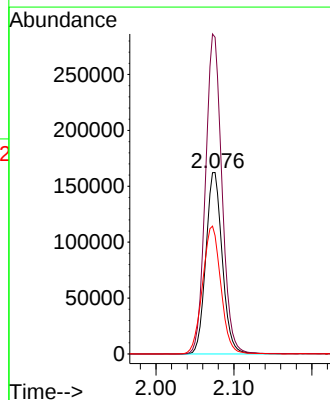
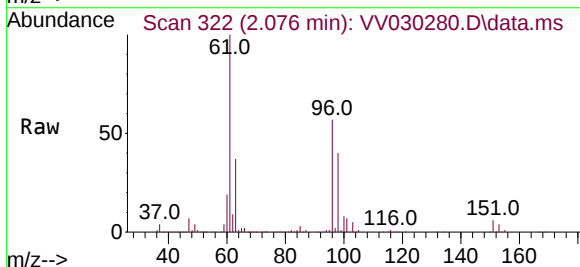
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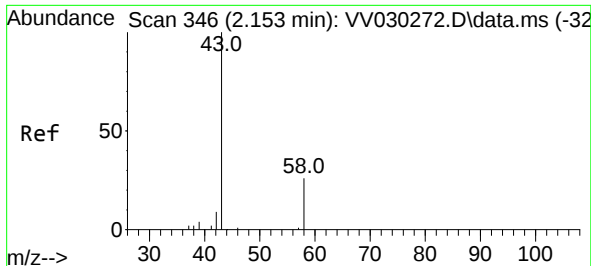
Tgt Ion:101 Resp: 37639
 Ion Ratio Lower Upper
 101 100
 85 46.2 33.5 50.3
 151 79.0 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 28.854 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

Tgt Ion: 96 Resp: 237399
 Ion Ratio Lower Upper
 96 100
 61 174.5 115.6 214.6
 63 65.2 85.6 159.0#





#13

Acetone

Concen: 13.876 ug/L

RT: 2.163 min Scan# 346

Delta R.T. 0.010 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

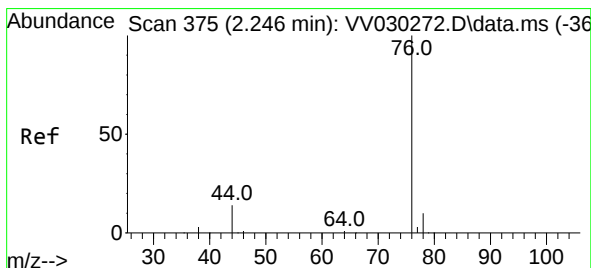
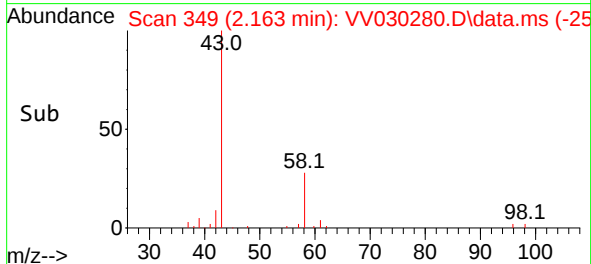
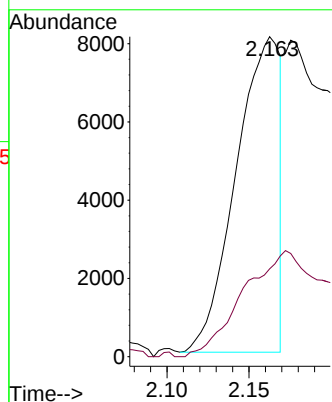
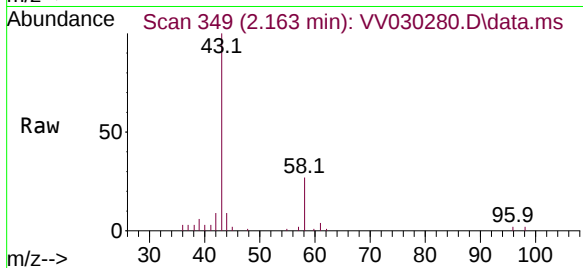
H0A24MSD

Tgt Ion: 43 Resp: 15000

Ion Ratio Lower Upper

43 100

58 60.4 0.0 29.4#



#14

Carbon disulfide

Concen: 3.054 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV030280.D

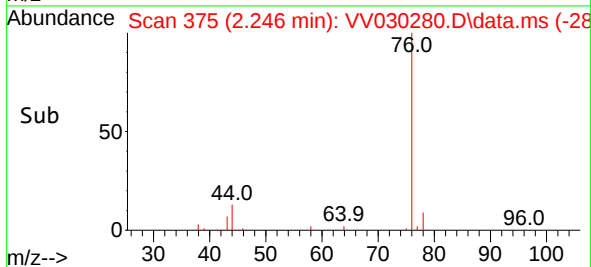
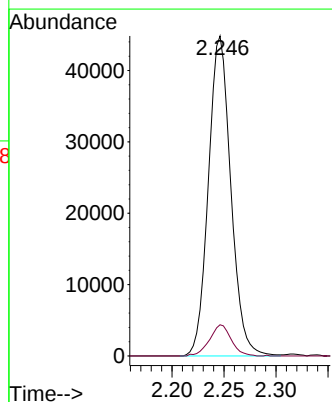
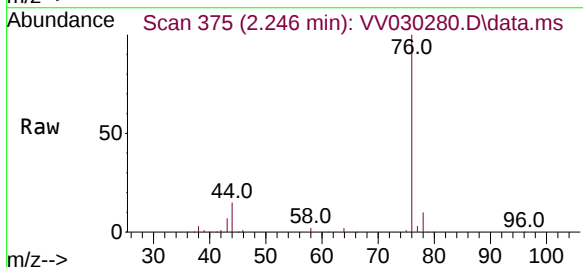
Acq: 21 Mar 2023 16:09

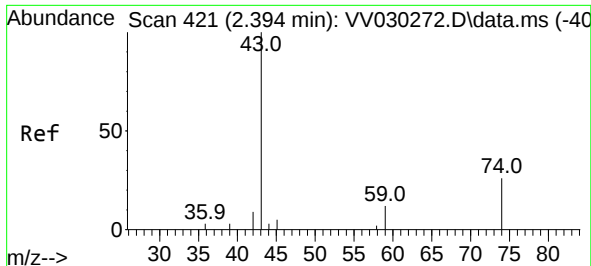
Tgt Ion: 76 Resp: 67220

Ion Ratio Lower Upper

76 100

78 9.8 7.7 11.5

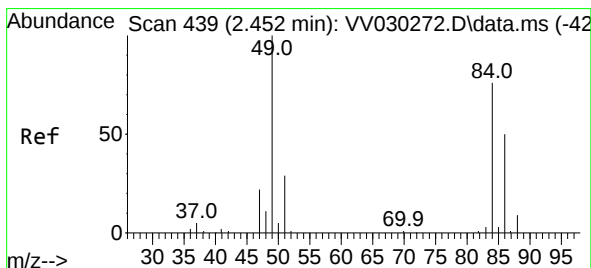
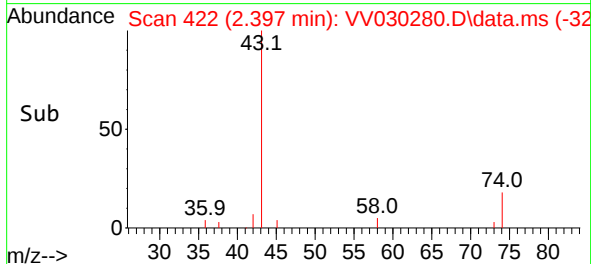
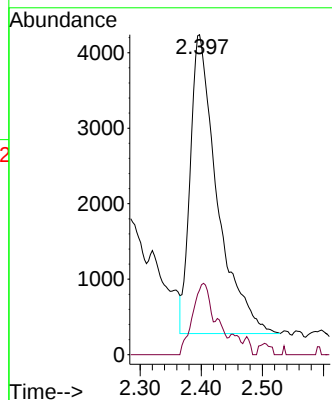
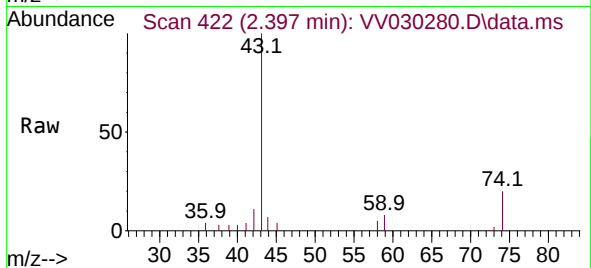




#15
Methyl Acetate
Concen: 4.803 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

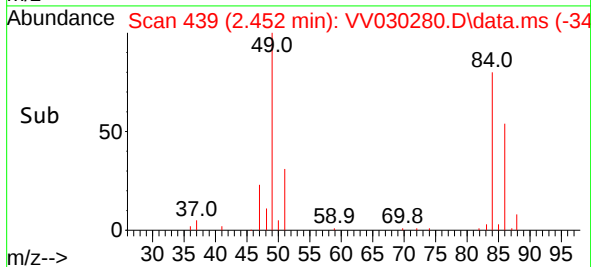
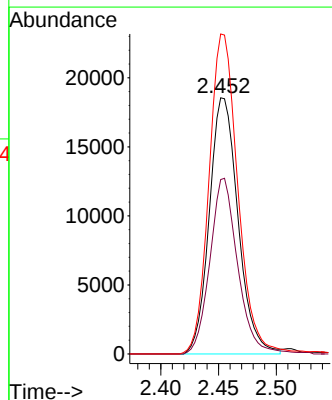
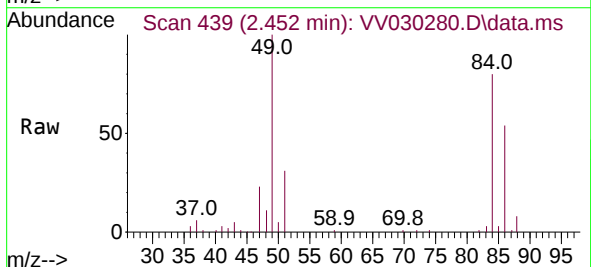
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

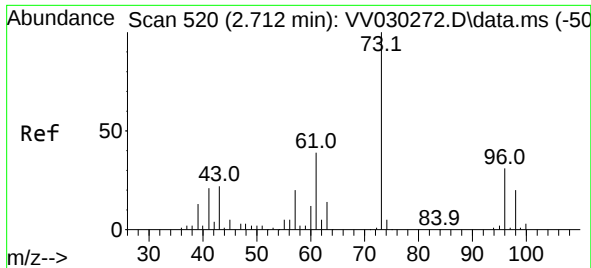
Tgt Ion: 43 Resp: 12125
Ion Ratio Lower Upper
43 100
74 16.5 20.1 30.1#



#16
Methylene chloride
Concen: 3.198 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 84 Resp: 32145
Ion Ratio Lower Upper
84 100
86 68.1 44.7 83.1
49 124.9 78.8 146.3

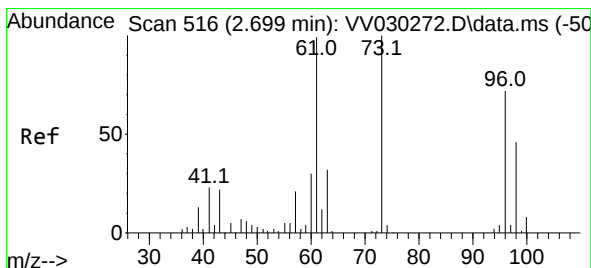
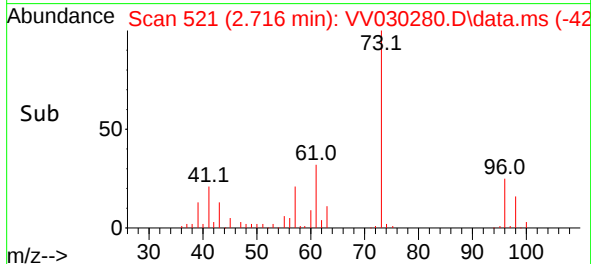
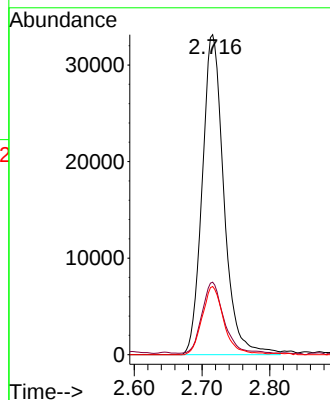
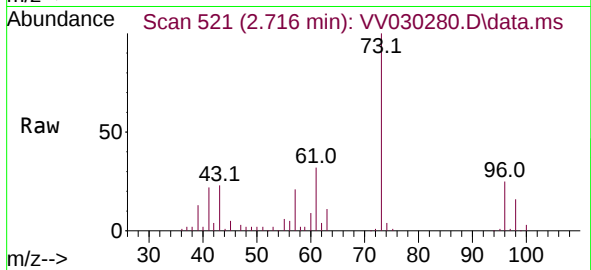




#17
Methyl tert-butyl Ether
Concen: 4.578 ug/L
RT: 2.716 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

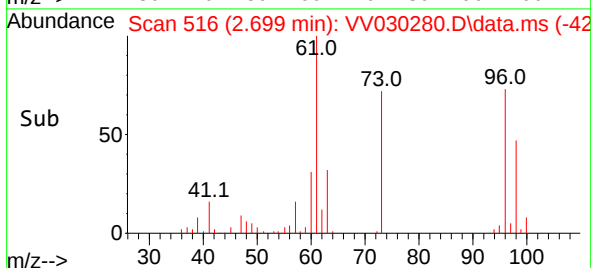
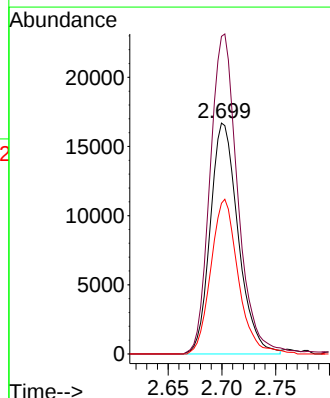
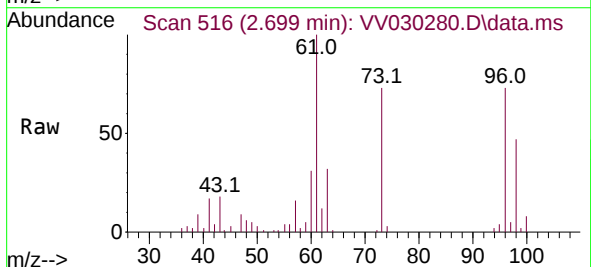
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

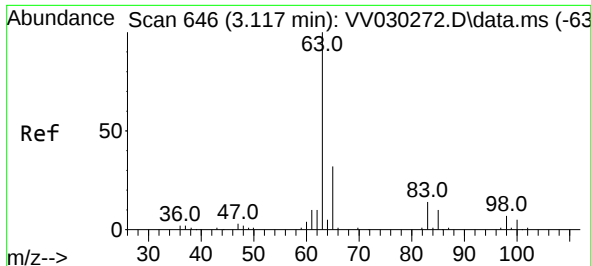
Tgt Ion: 73 Resp: 73663
Ion Ratio Lower Upper
73 100
43 22.4 13.4 20.2#
57 21.4 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 3.850 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 96 Resp: 30129
Ion Ratio Lower Upper
96 100
61 137.6 91.0 169.0
98 65.2 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.257 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

H0A24MSD

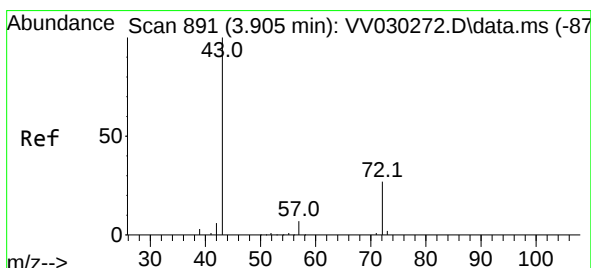
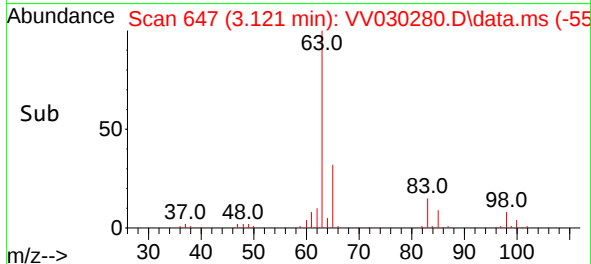
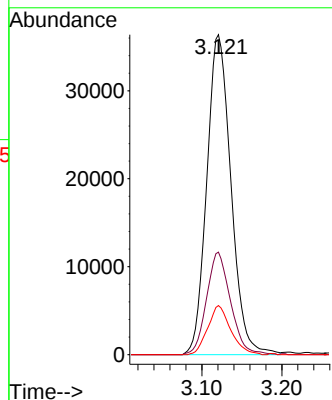
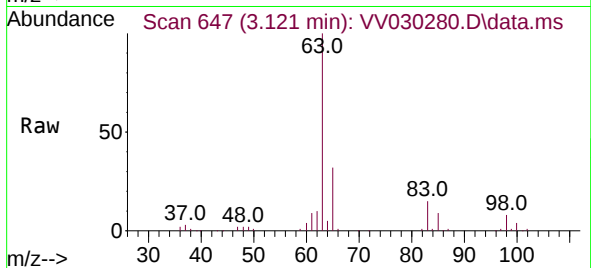
Tgt Ion: 63 Resp: 76650

Ion Ratio Lower Upper

63 100

65 32.1 23.0 42.8

83 15.3 9.6 17.8



#21

2-Butanone

Concen: 46.060 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.010 min

Lab File: VV030280.D

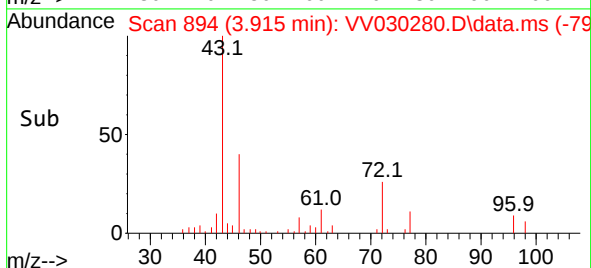
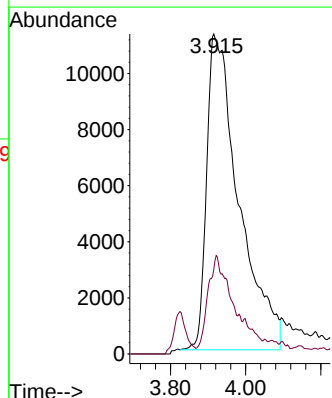
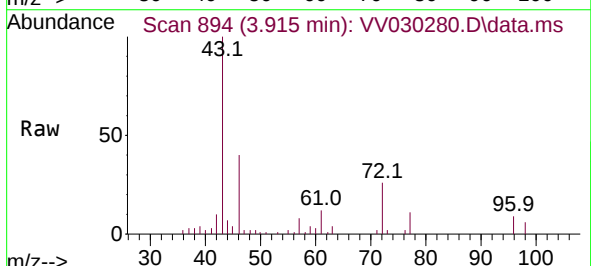
Acq: 21 Mar 2023 16:09

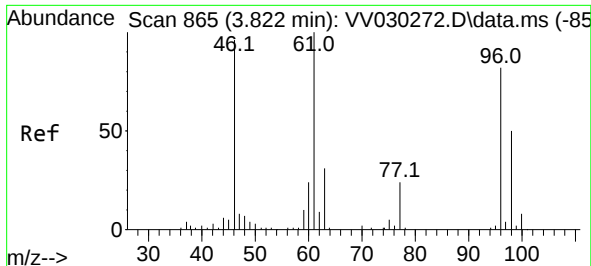
Tgt Ion: 43 Resp: 66962

Ion Ratio Lower Upper

43 100

72 19.9 15.1 45.3





#22

cis-1,2-Dichloroethene

Concen: 33.729 ug/L

RT: 3.825 min Scan# 865

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

H0A24MSD

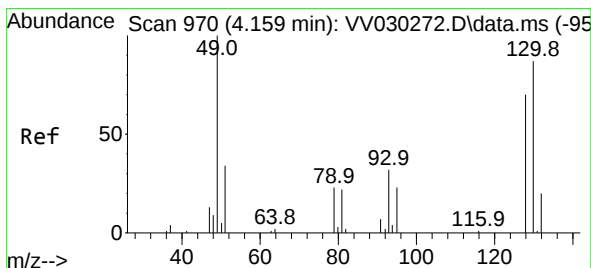
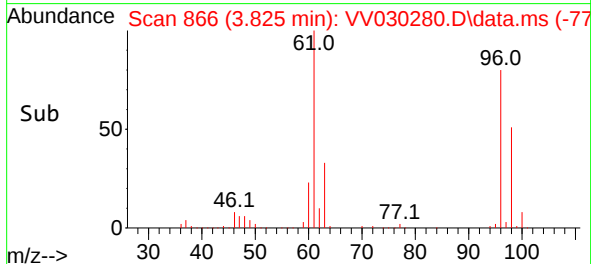
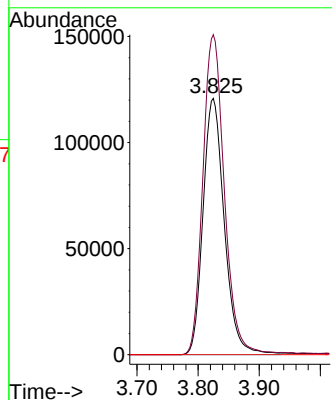
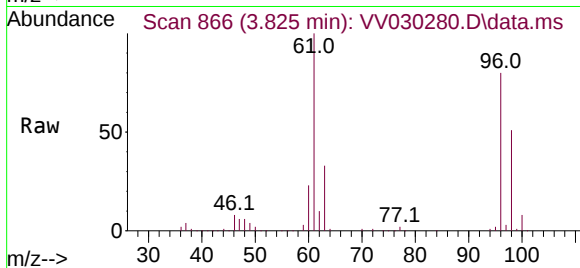
Tgt Ion: 96 Resp: 291785

Ion Ratio Lower Upper

96 100

61 124.8 83.4 154.8

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 4.262 ug/L

RT: 4.162 min Scan# 971

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Tgt Ion: 128 Resp: 15756

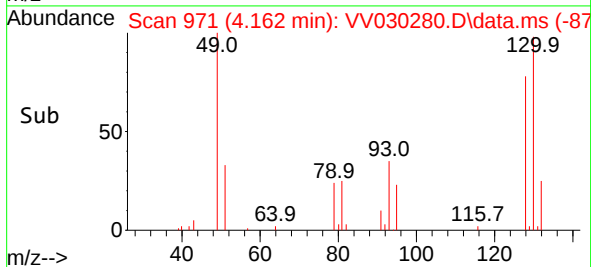
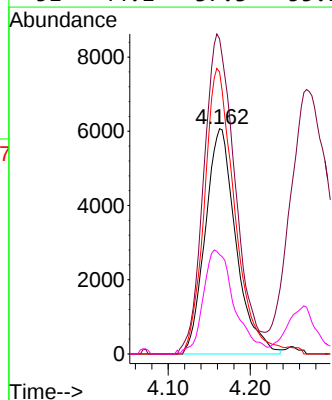
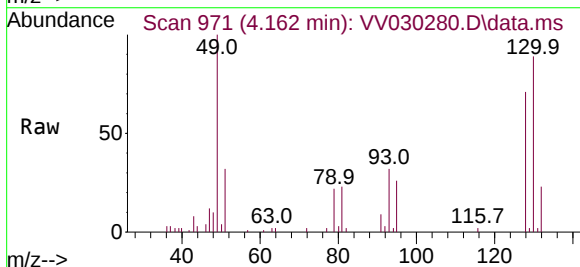
Ion Ratio Lower Upper

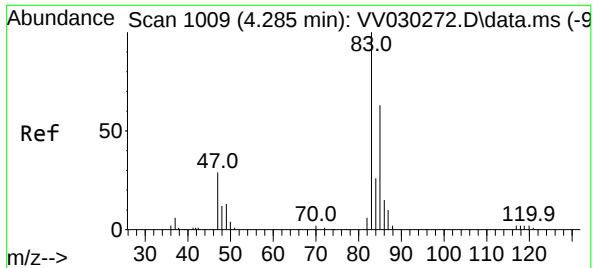
128 100

49 139.9 99.5 184.9

130 125.2 90.5 168.1

51 44.1 37.3 55.9

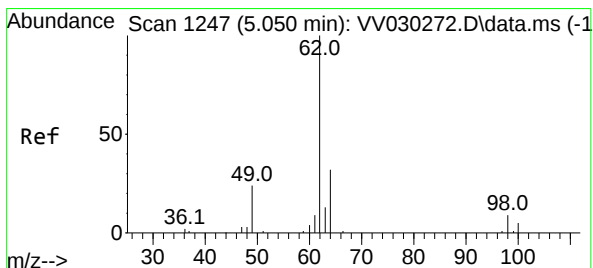
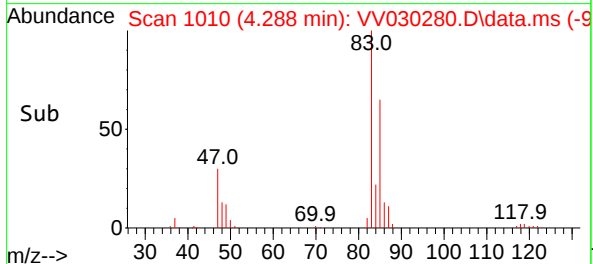
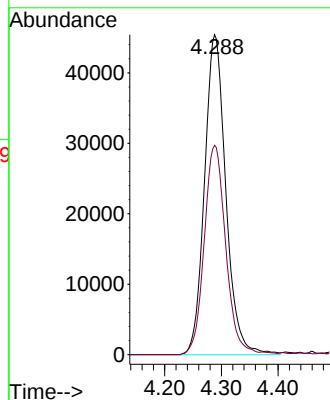
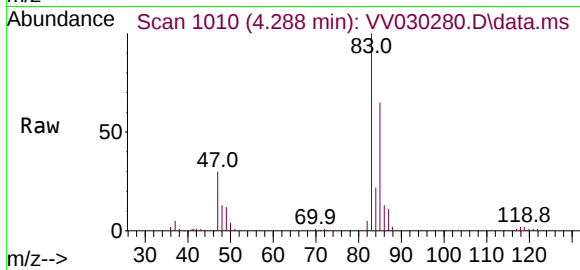




#25
Chloroform
Concen: 7.828 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

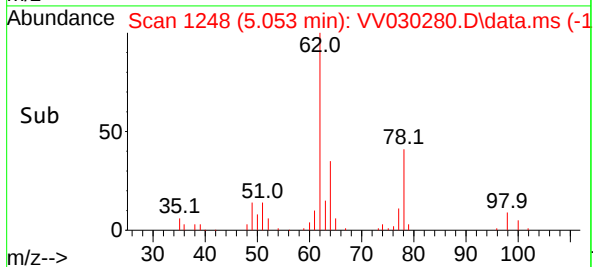
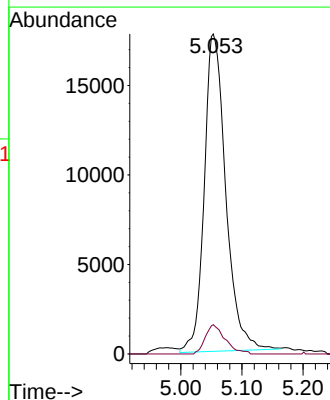
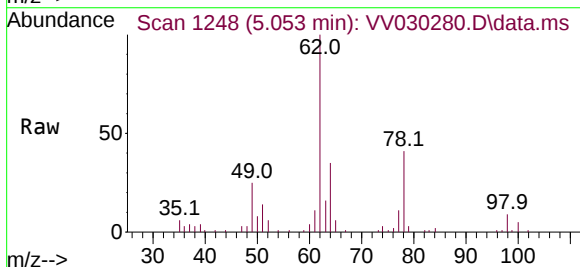
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

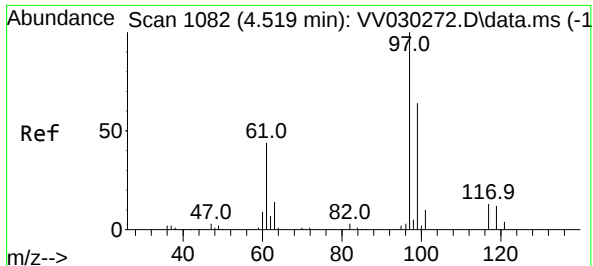
Tgt Ion: 83 Resp: 118729
Ion Ratio Lower Upper
83 100
85 65.4 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.472 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 62 Resp: 43413
Ion Ratio Lower Upper
62 100
98 9.2 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 77.510 ug/L

RT: 4.523 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

H0A24MSD

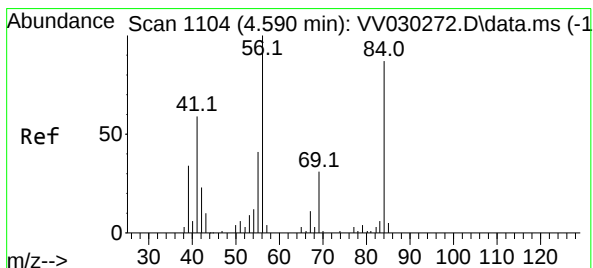
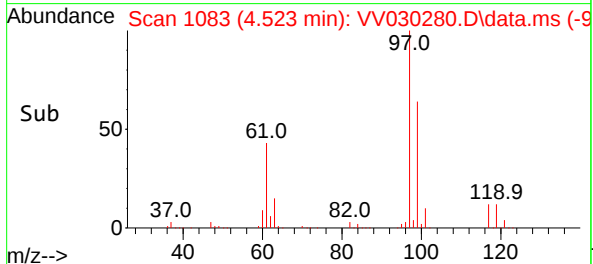
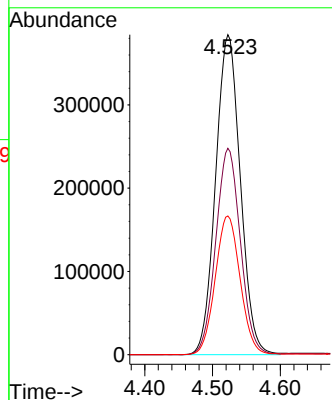
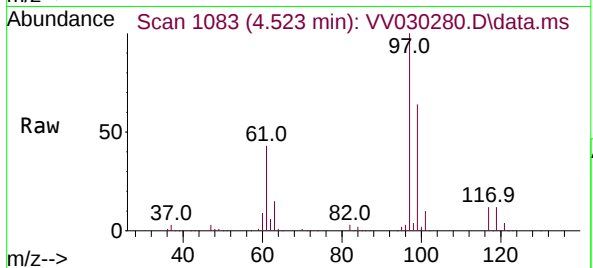
Tgt Ion: 97 Resp: 975112

Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 43.7 31.5 47.3



#30

Cyclohexane

Concen: 3.925 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

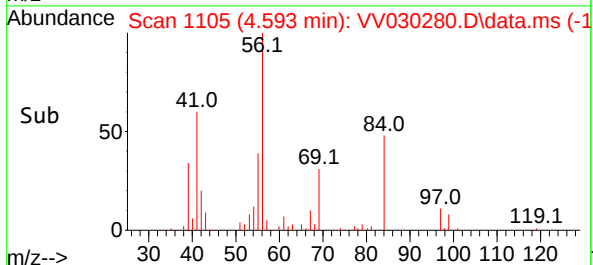
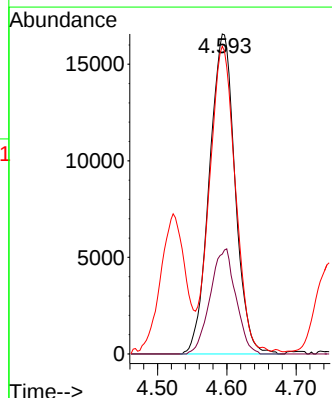
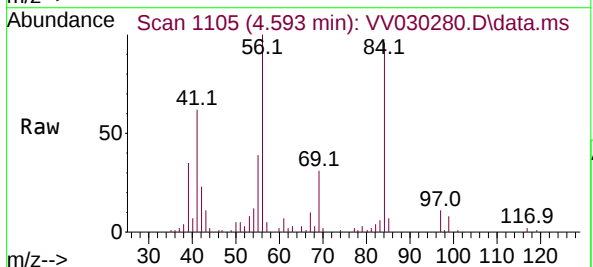
Tgt Ion: 56 Resp: 42667

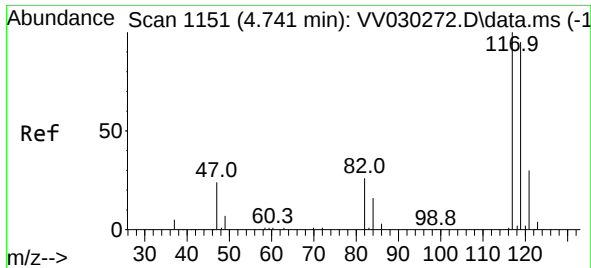
Ion Ratio Lower Upper

56 100

69 32.7 25.1 37.7

84 94.1 74.6 111.8

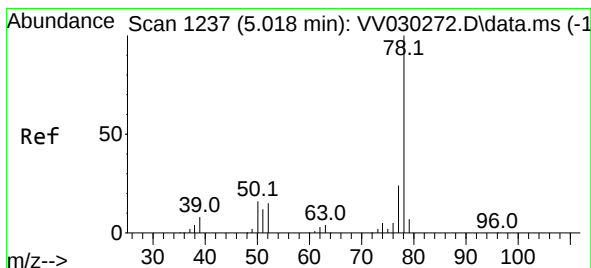
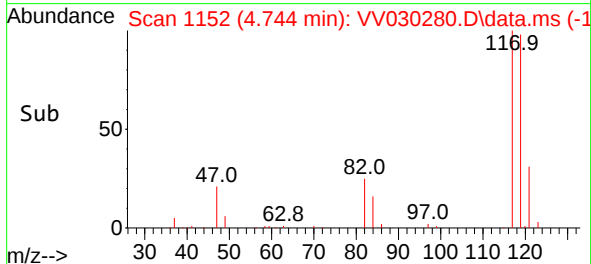
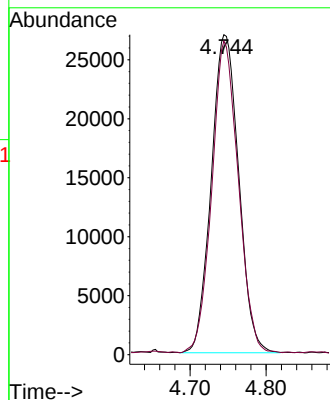
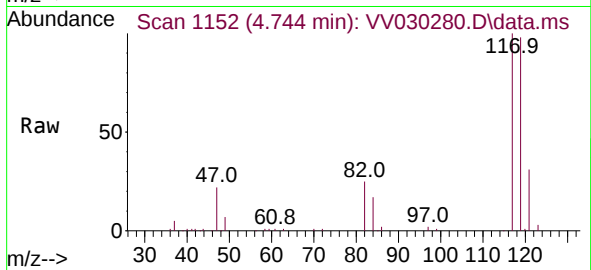




#31
Carbon tetrachloride
Concen: 5.977 ug/L
RT: 4.744 min Scan# 1151
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

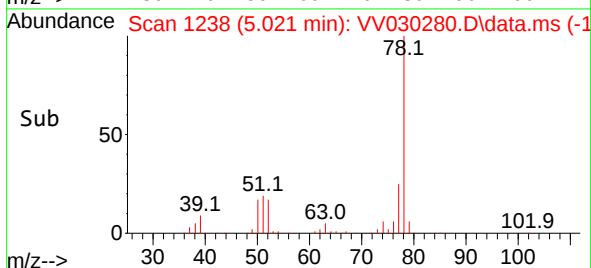
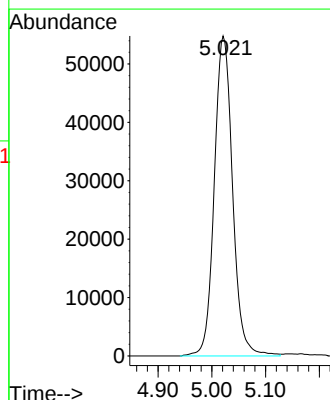
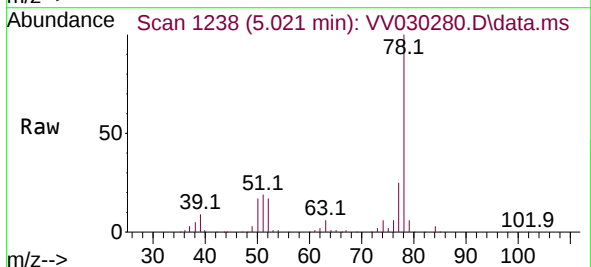
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

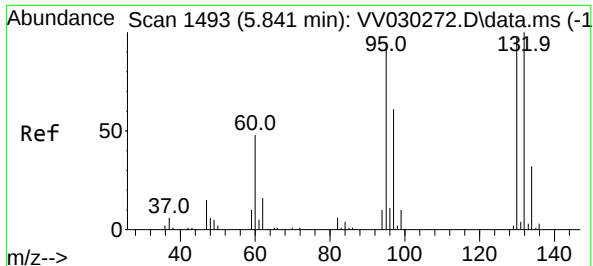
Tgt Ion:117 Resp: 67590
Ion Ratio Lower Upper
117 100
119 94.1 76.1 114.1



#33
Benzene
Concen: 4.428 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 78 Resp: 129501

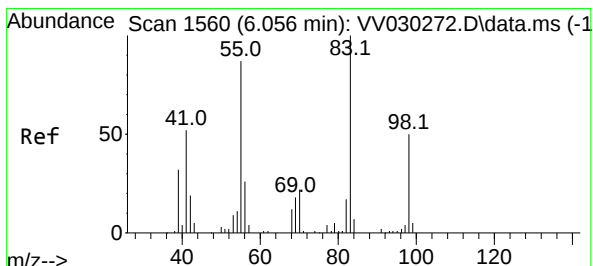
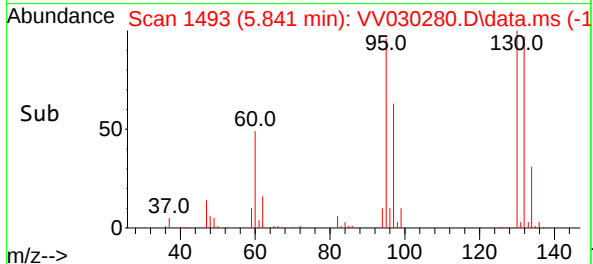
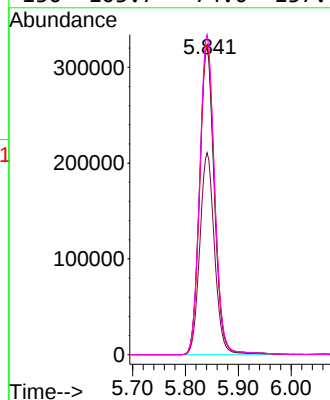
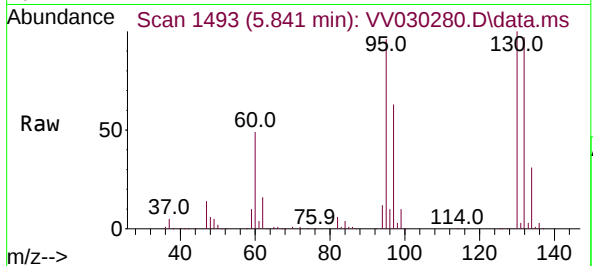




#34
Trichloroethene
Concen: 76.533 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

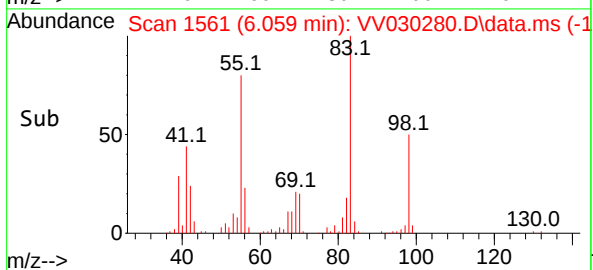
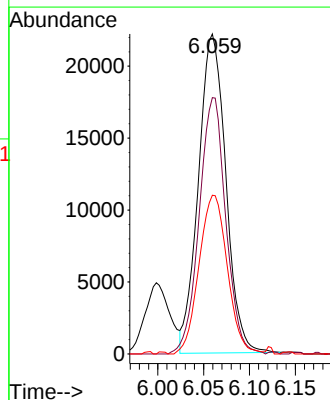
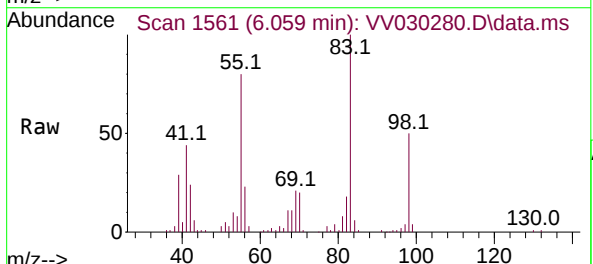
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

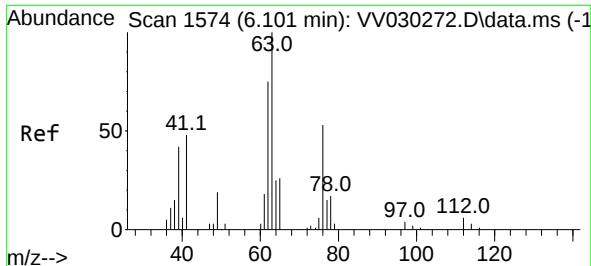
Tgt Ion: 95 Resp: 627229
Ion Ratio Lower Upper
95 100
97 65.4 46.5 86.5
132 100.6 71.7 133.3
130 103.7 74.0 137.4



#35
Methylcyclohexane
Concen: 3.715 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 83 Resp: 46073
Ion Ratio Lower Upper
83 100
55 78.0 57.6 86.4
98 51.5 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.426 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

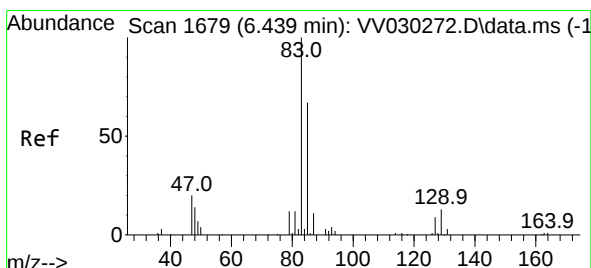
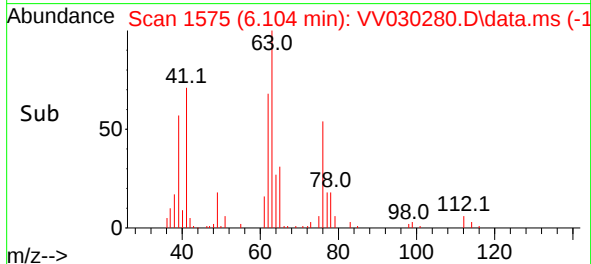
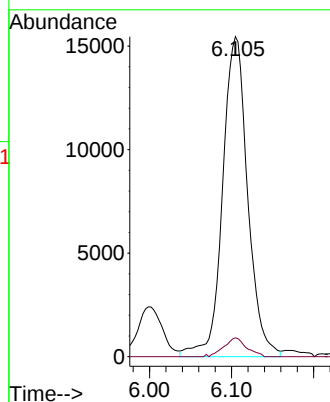
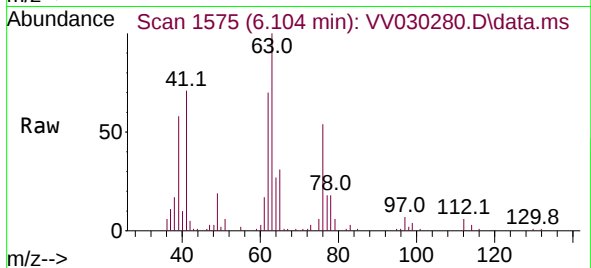
H0A24MSD

Tgt Ion: 63 Resp: 32935

Ion Ratio Lower Upper

63 100

112 5.3 3.8 5.6



#38

Bromodichloromethane

Concen: 5.168 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

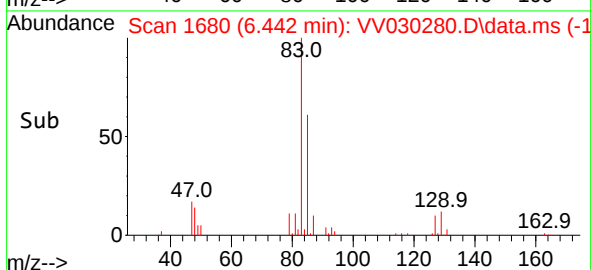
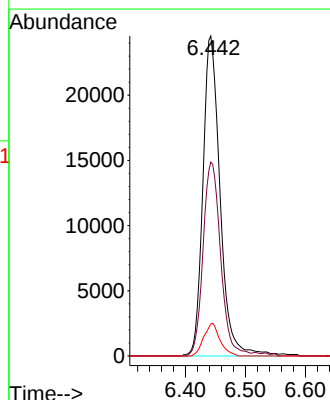
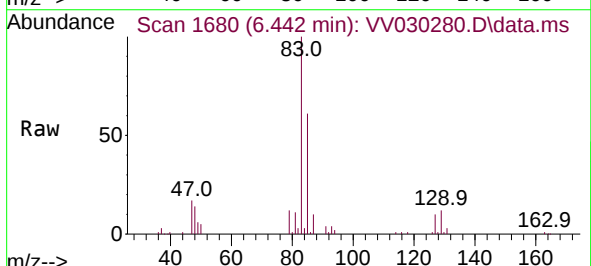
Tgt Ion: 83 Resp: 49095

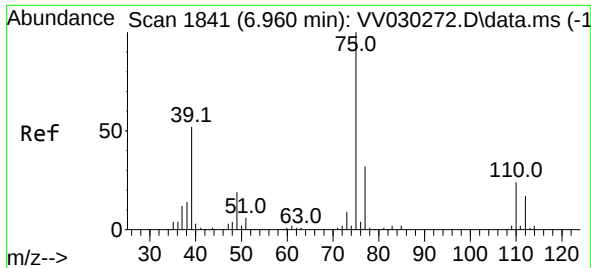
Ion Ratio Lower Upper

83 100

85 60.6 44.3 82.3

127 10.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 3.823 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

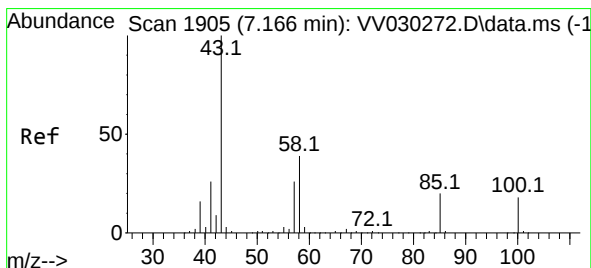
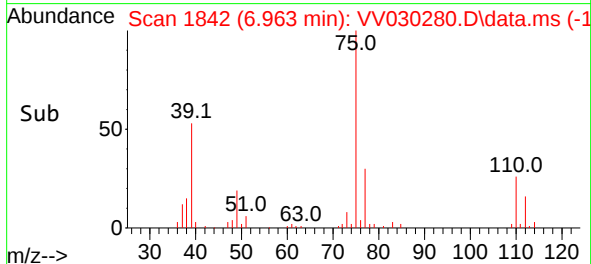
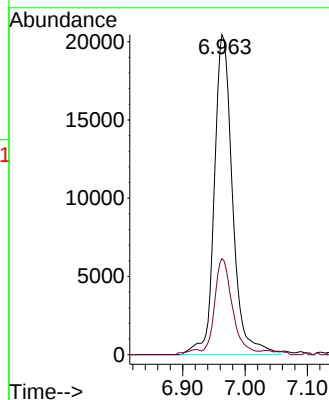
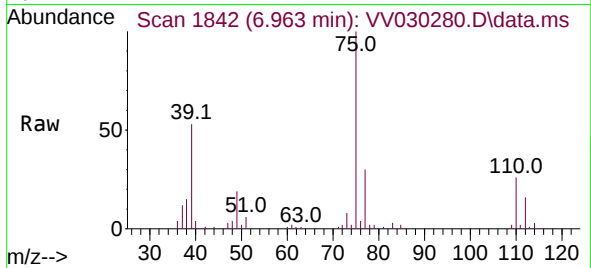
H0A24MSD

Tgt Ion: 75 Resp: 41643

Ion Ratio Lower Upper

75 100

77 30.0 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 56.835 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

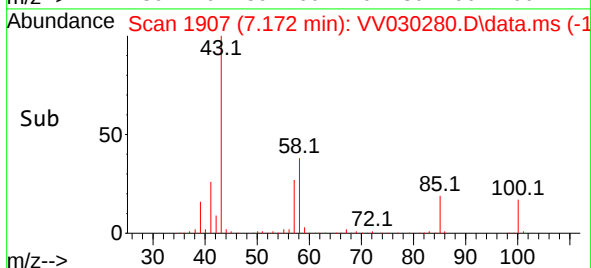
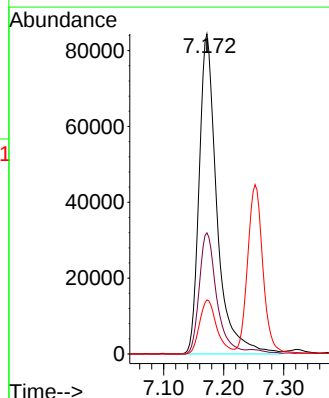
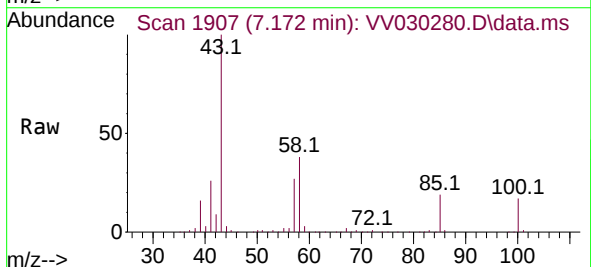
Tgt Ion: 43 Resp: 174509

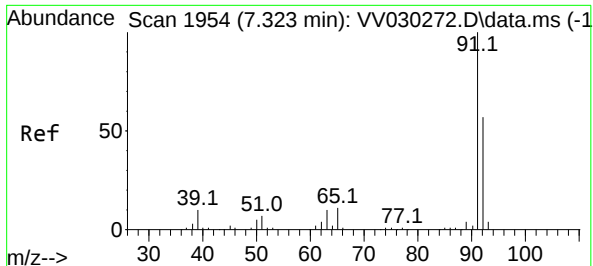
Ion Ratio Lower Upper

43 100

58 37.1 35.3 52.9

100 16.3 14.7 22.1





#42

Toluene

Concen: 4.588 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

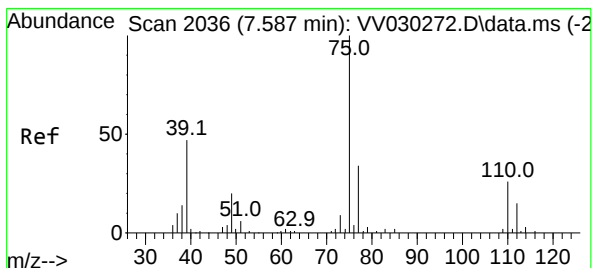
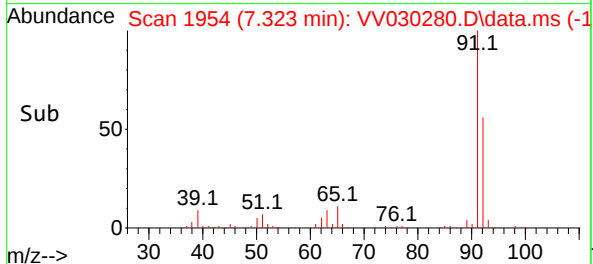
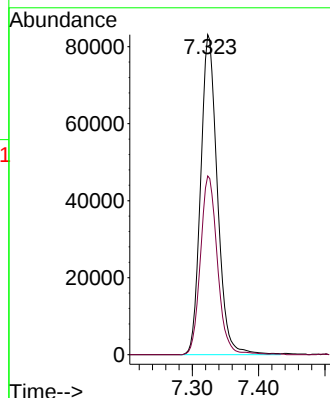
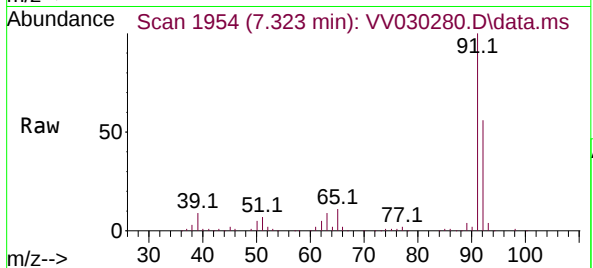
H0A24MSD

Tgt Ion: 91 Resp: 145345

Ion Ratio Lower Upper

91 100

92 55.8 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.212 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.006 min

Lab File: VV030280.D

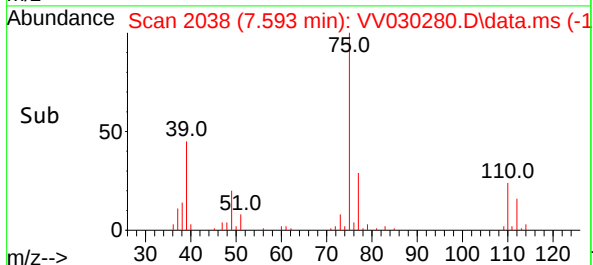
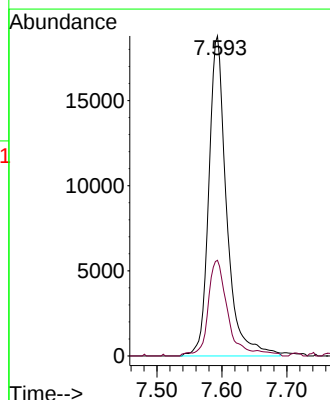
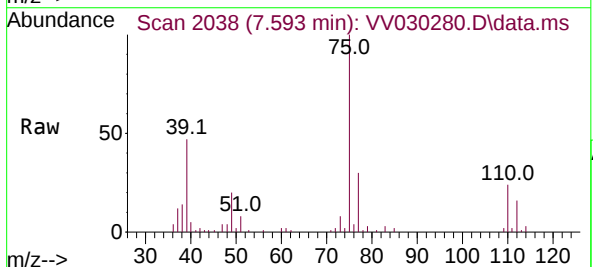
Acq: 21 Mar 2023 16:09

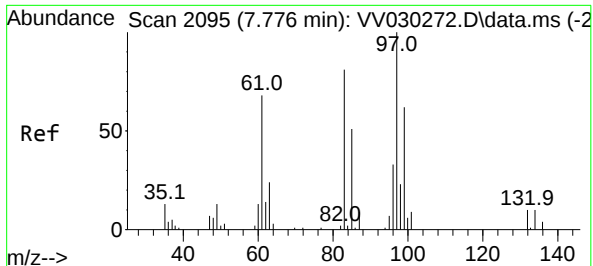
Tgt Ion: 75 Resp: 35815

Ion Ratio Lower Upper

75 100

77 29.9 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 4.542 ug/L

RT: 7.780 min Scan# 2095

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

H0A24MSD

Tgt Ion: 97 Resp: 24181

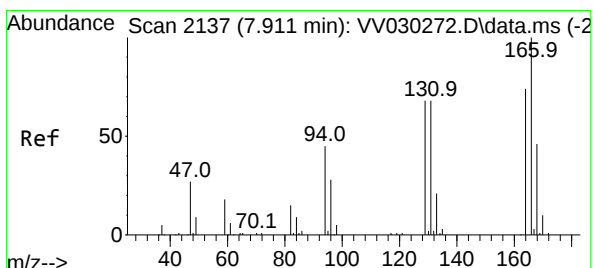
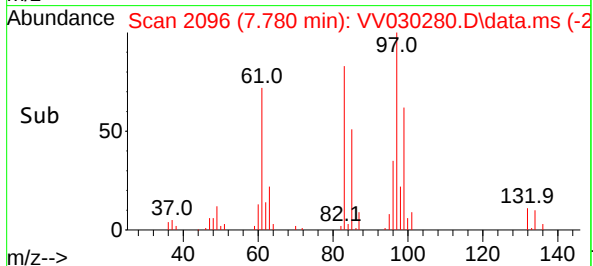
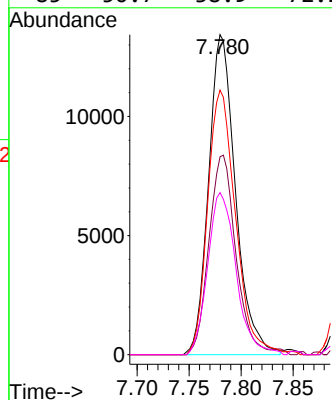
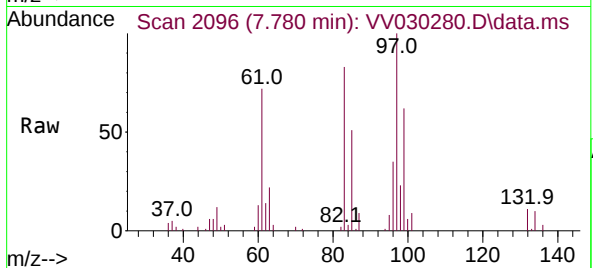
Ion Ratio Lower Upper

97 100

99 61.9 42.6 79.2

83 82.7 57.7 107.3

85 50.7 38.9 72.2



#47

Tetrachloroethene

Concen: 1640.007 ug/L

RT: 7.931 min Scan# 2143

Delta R.T. 0.019 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Tgt Ion: 164 Resp: 11537110

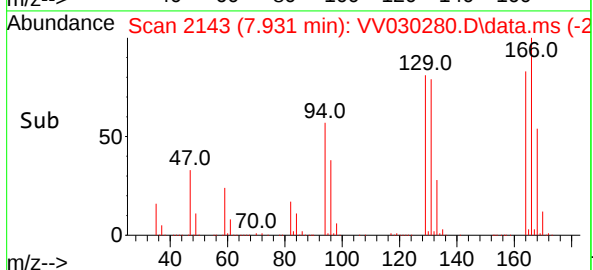
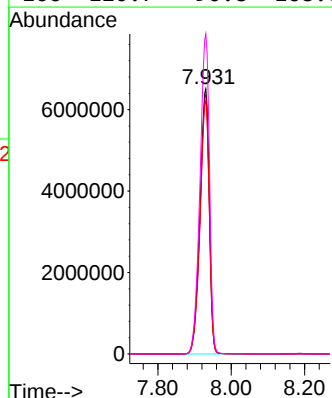
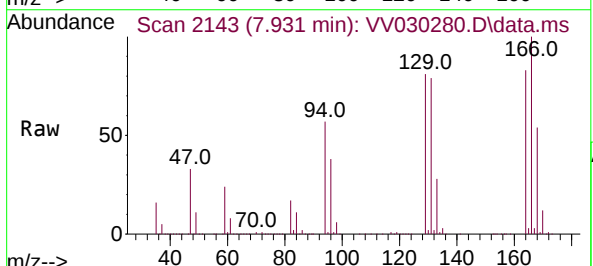
Ion Ratio Lower Upper

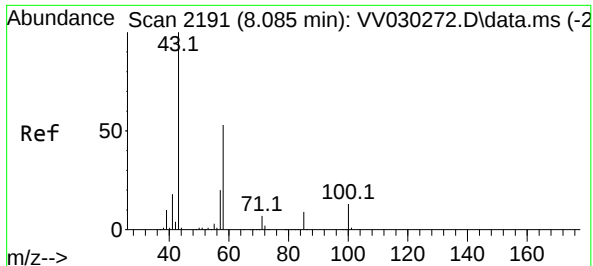
164 100

129 97.8 63.6 118.2

131 95.5 61.7 114.7

166 120.7 90.8 168.6



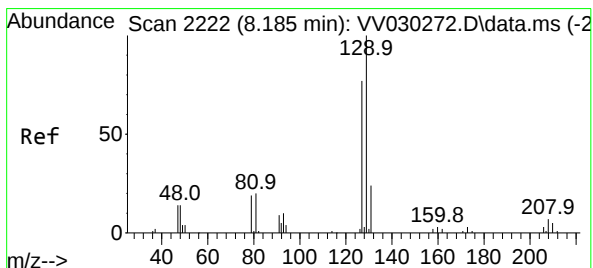
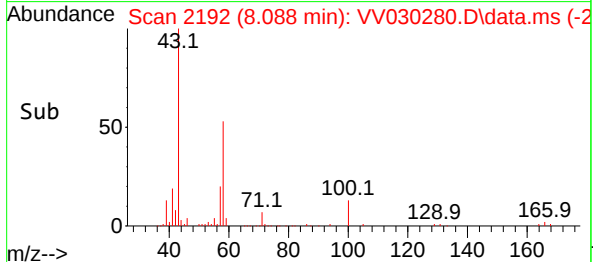
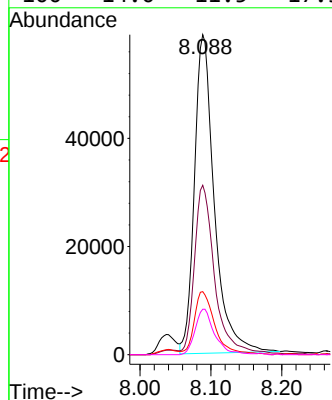
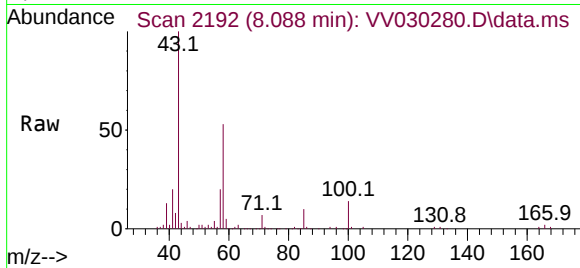


#48
2-Hexanone
Concen: 52.340 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

Tgt Ion: 43 Resp: 115049

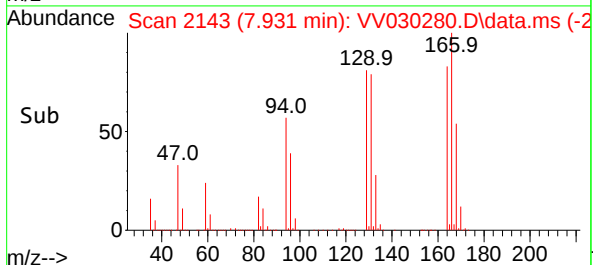
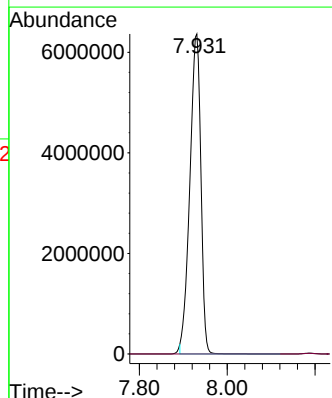
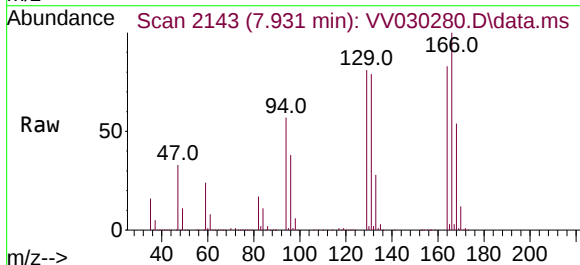
Ion	Ratio	Lower	Upper
43	100		
58	53.6	49.8	74.8
57	20.6	16.6	24.8
100	14.0	11.5	17.3

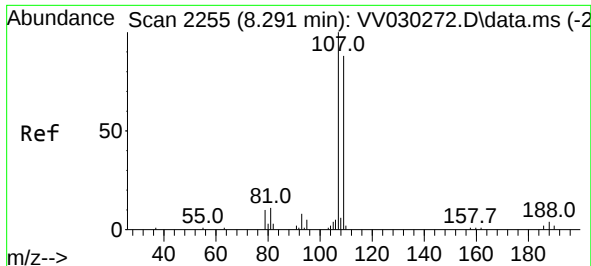


#49
Dibromochloromethane
Concen: 1770.089 ug/L
RT: 7.931 min Scan# 2143
Delta R.T. -0.254 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 129 Resp: 11028113

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#





#50

1,2-Dibromoethane

Concen: 4.056 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

H0A24MSD

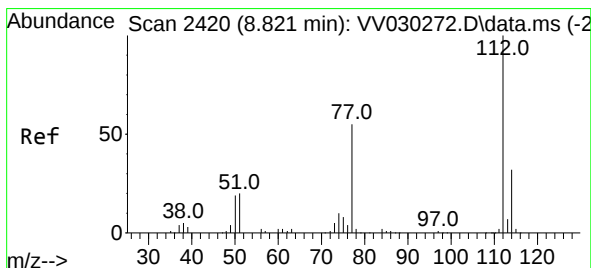
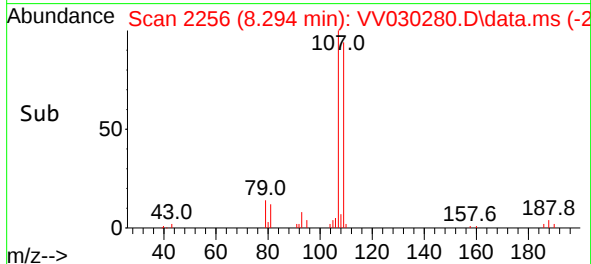
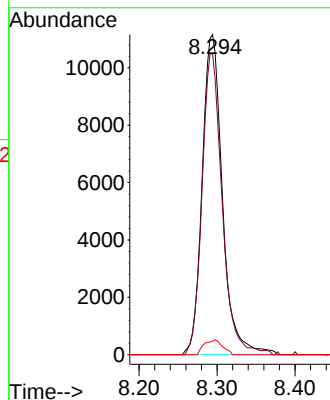
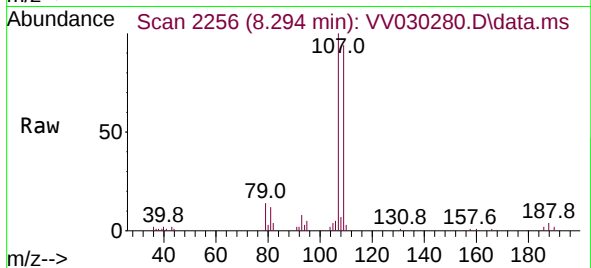
Tgt Ion:107 Resp: 20150

Ion Ratio Lower Upper

107 100

109 94.0 63.3 117.7

188 4.2 3.0 4.6



#51

Chlorobenzene

Concen: 4.205 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

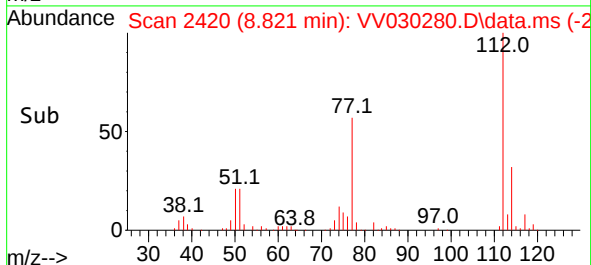
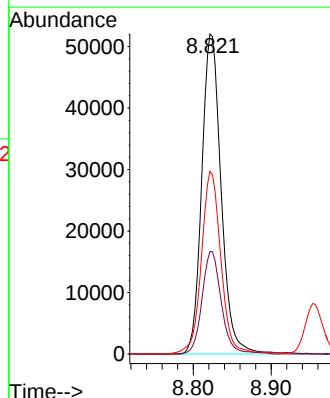
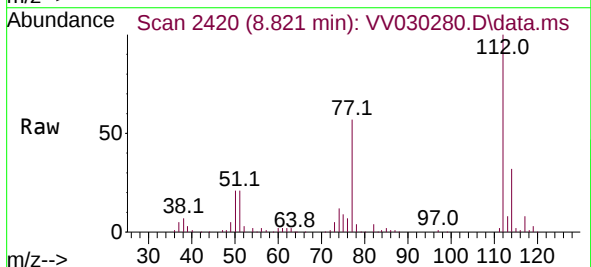
Tgt Ion:112 Resp: 89835

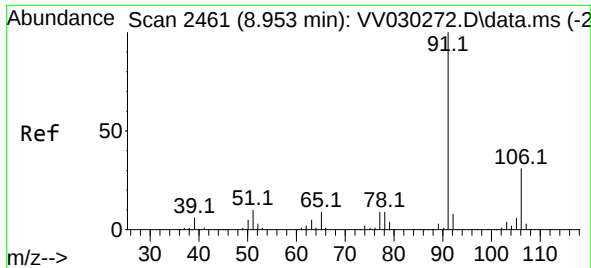
Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

77 57.0 45.3 67.9

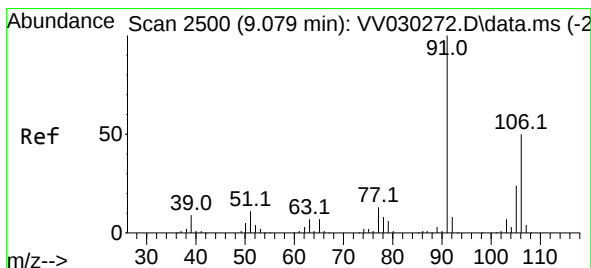
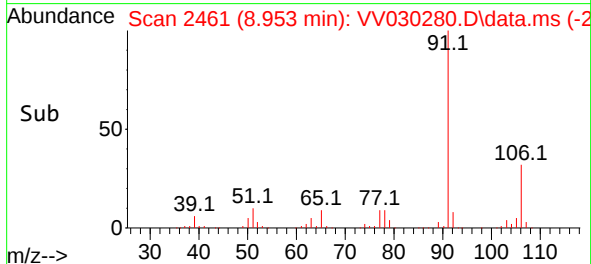
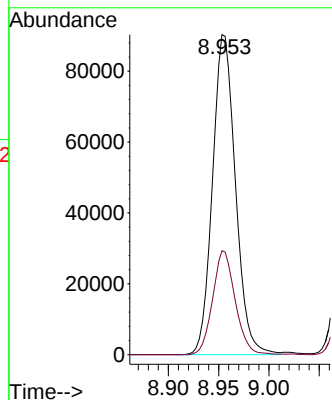
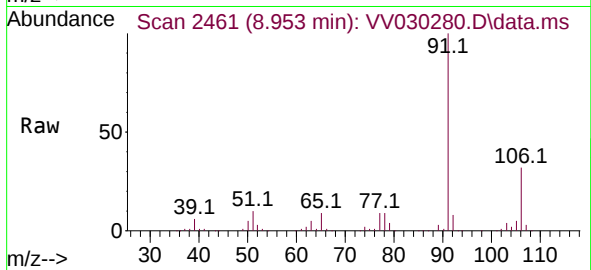




#52
Ethylbenzene
Concen: 4.165 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

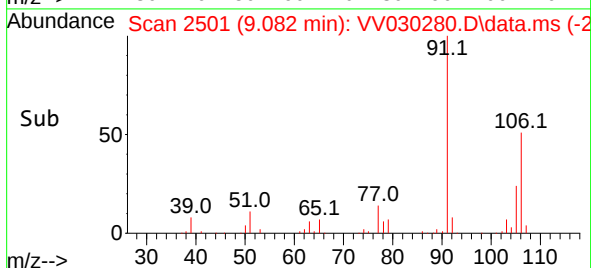
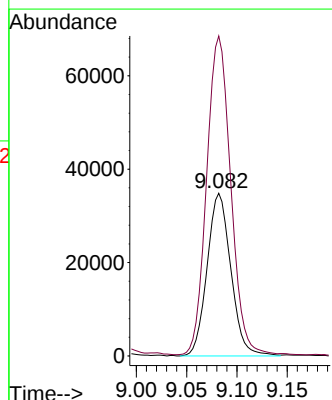
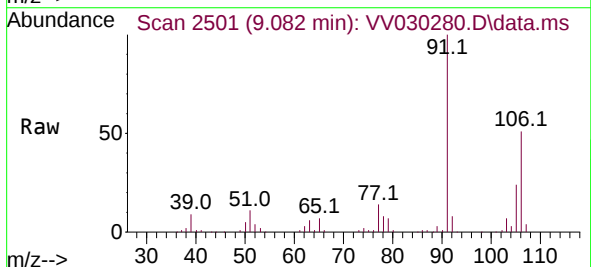
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

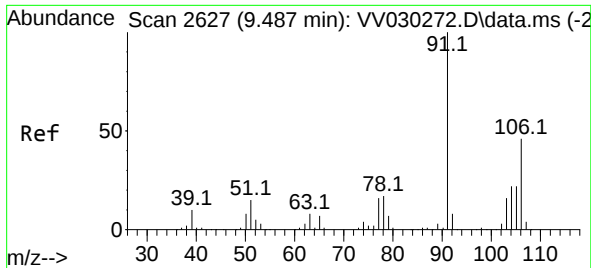
Tgt Ion: 91 Resp: 143585
Ion Ratio Lower Upper
91 100
106 32.5 22.0 40.8



#53
m,p-Xylene
Concen: 4.325 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 106 Resp: 57304
Ion Ratio Lower Upper
106 100
91 196.6 142.5 264.7

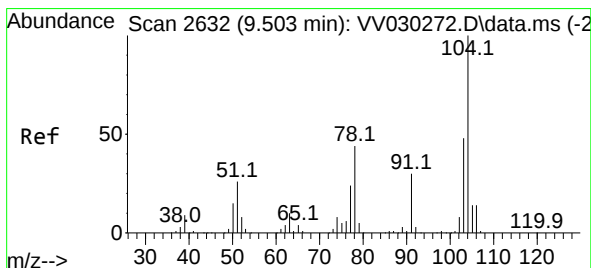
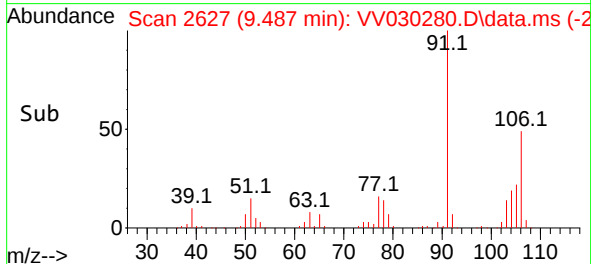
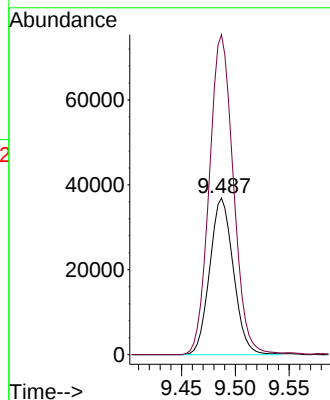
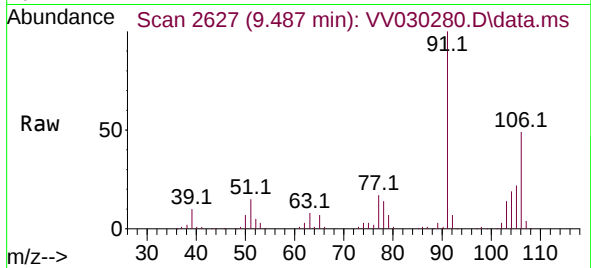




#54
o-Xylene
Concen: 4.461 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

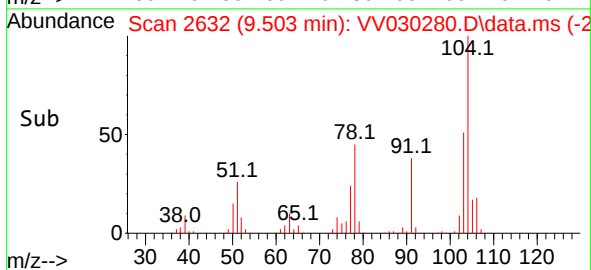
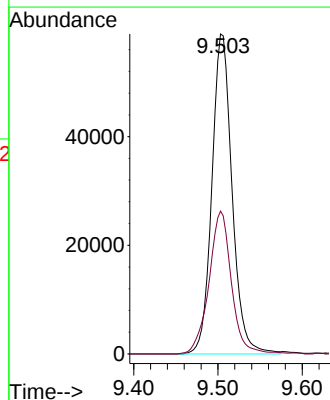
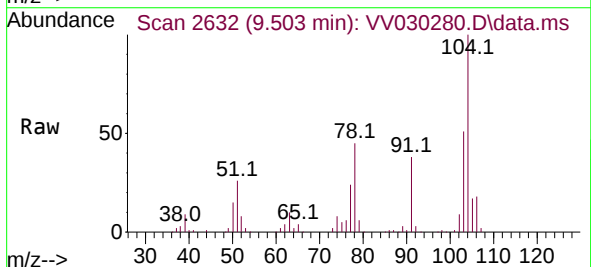
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

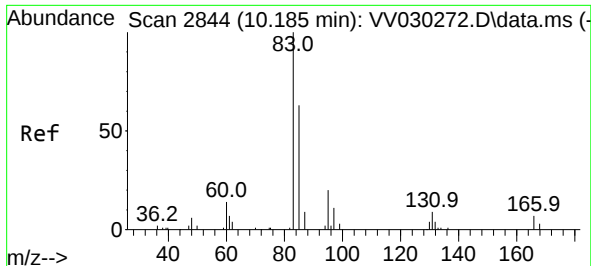
Tgt Ion:106 Resp: 56462
Ion Ratio Lower Upper
106 100
91 204.3 148.8 276.4



#55
Styrene
Concen: 4.658 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion:104 Resp: 98028
Ion Ratio Lower Upper
104 100
78 44.6 31.1 57.9





#57

1,1,2-Tetrachloroethane

Concen: 4.154 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

H0A24MSD

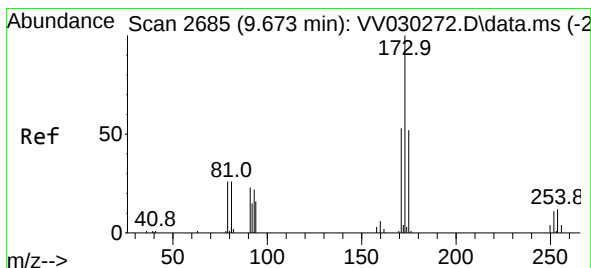
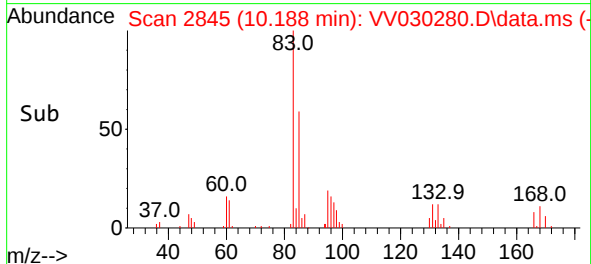
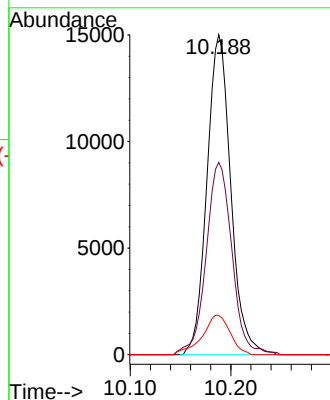
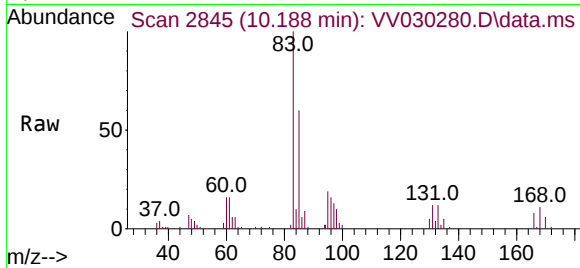
Tgt Ion: 83 Resp: 24738

Ion Ratio Lower Upper

83 100

85 60.1 45.0 83.6

131 12.3 8.2 12.4



#59

Bromoform

Concen: 4.653 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. 0.000 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

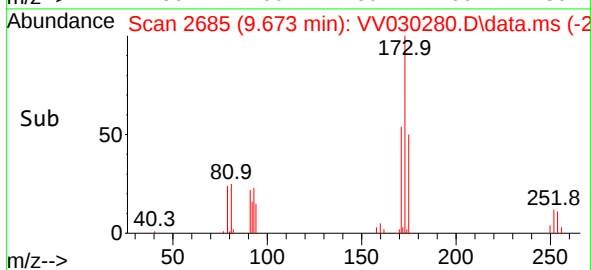
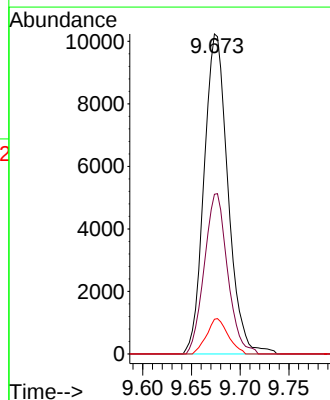
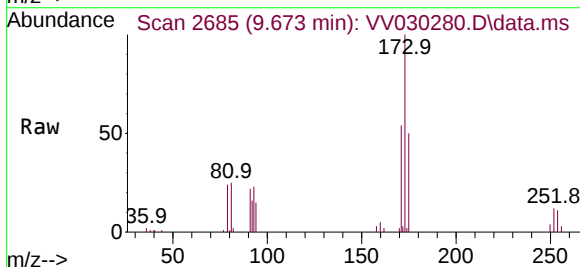
Tgt Ion: 173 Resp: 17458

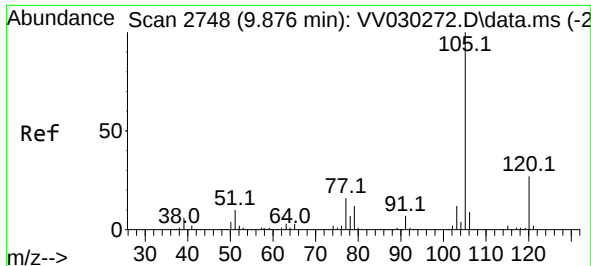
Ion Ratio Lower Upper

173 100

175 48.7 38.5 57.7

254 9.9 8.6 13.0

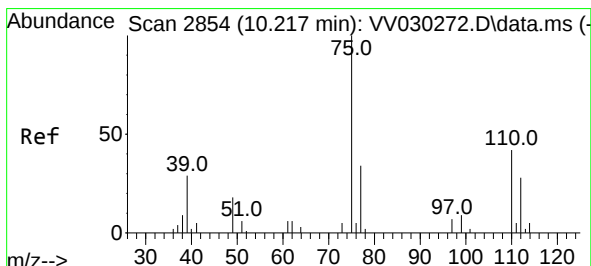
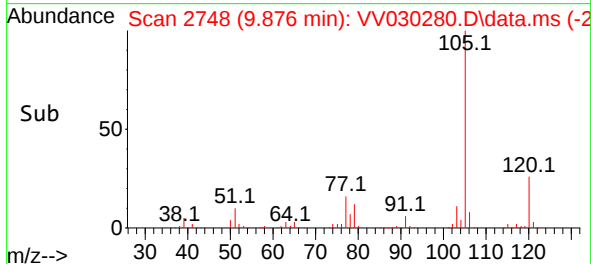
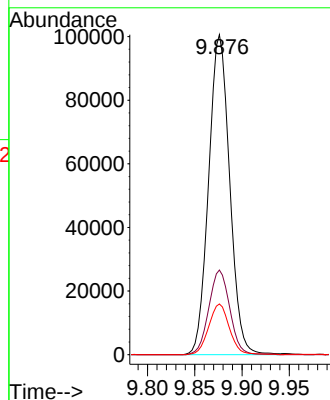
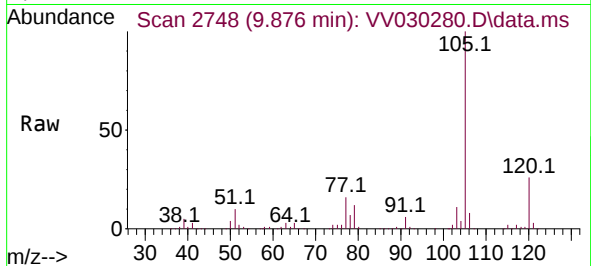




#60
Isopropylbenzene
Concen: 4.322 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

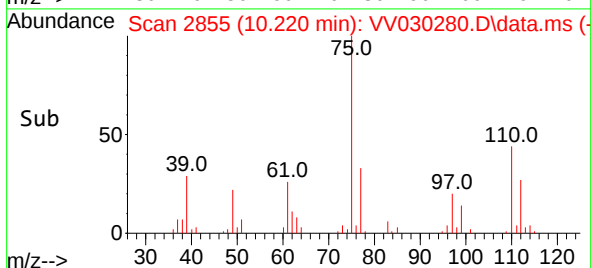
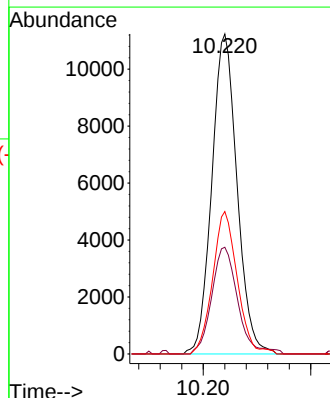
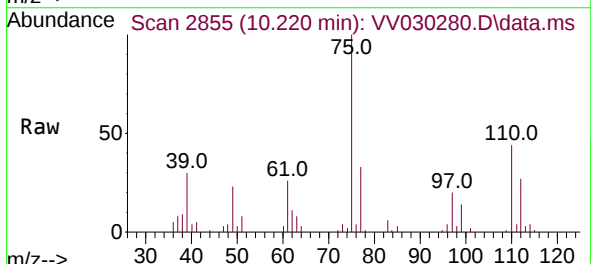
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

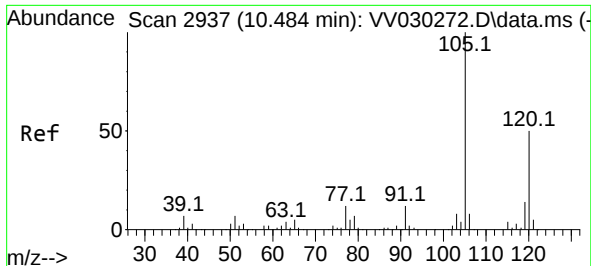
Tgt Ion:105 Resp: 155670
Ion Ratio Lower Upper
105 100
120 26.4 21.4 32.0
77 15.6 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.361 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 75 Resp: 18270
Ion Ratio Lower Upper
75 100
77 34.5 26.5 39.7
110 43.6 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.231 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

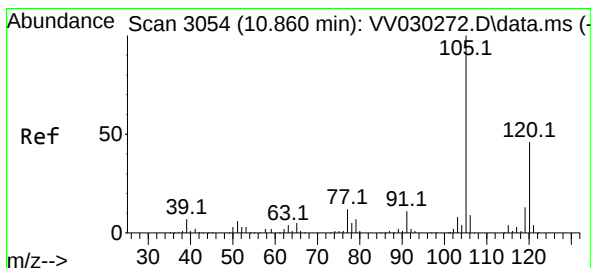
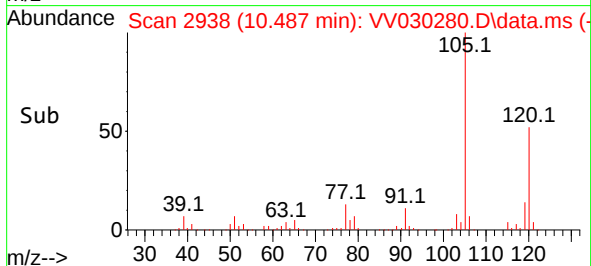
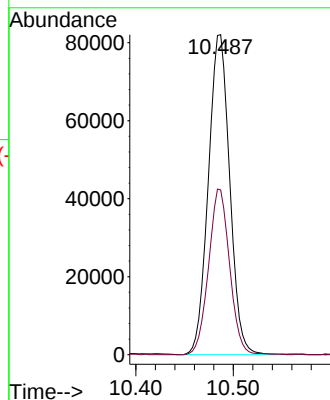
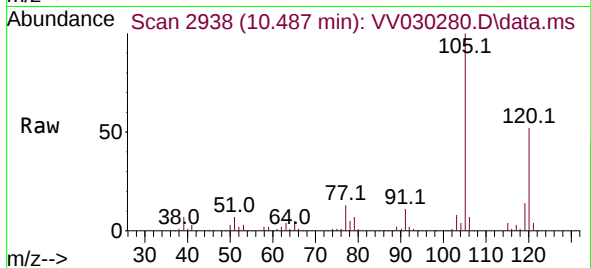
H0A24MSD

Tgt Ion:105 Resp: 125175

Ion Ratio Lower Upper

105 100

120 50.9 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.296 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030280.D

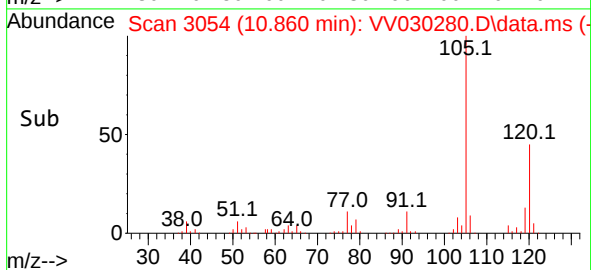
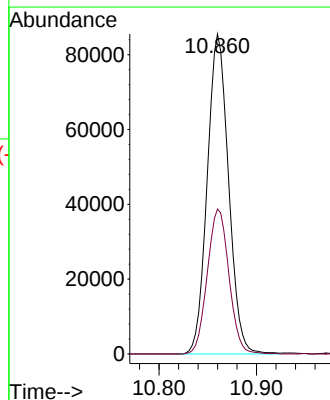
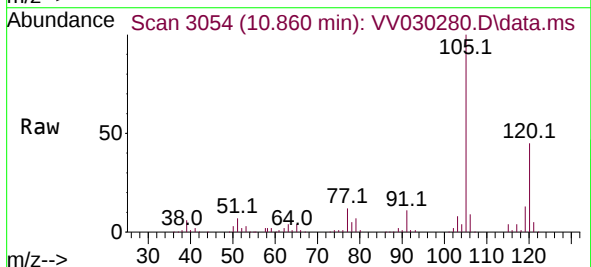
Acq: 21 Mar 2023 16:09

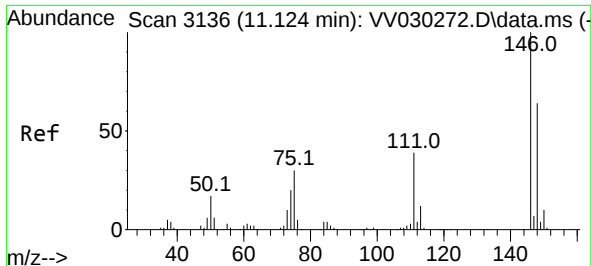
Tgt Ion:105 Resp: 130003

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.4

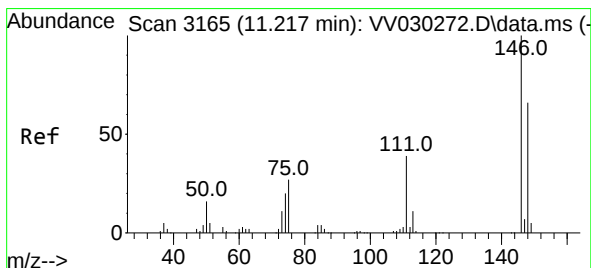
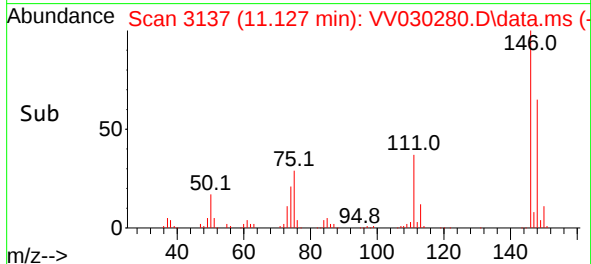
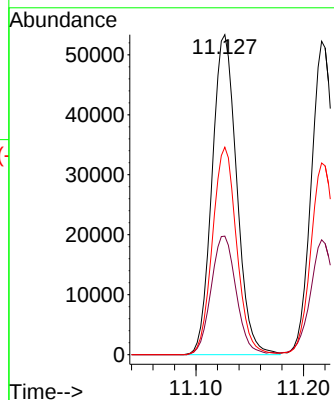
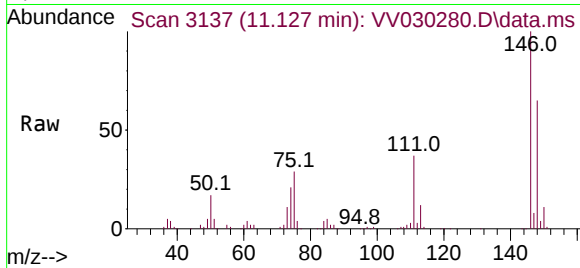




#64
1,3-Dichlorobenzene
Concen: 4.530 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

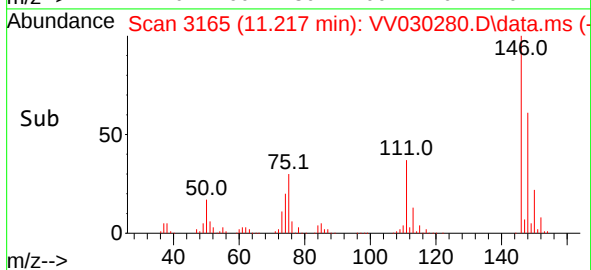
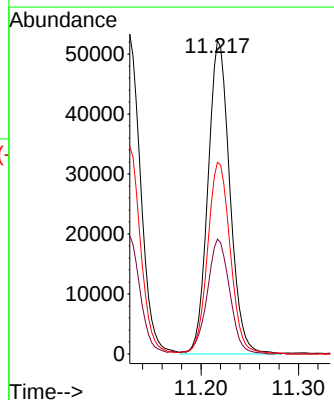
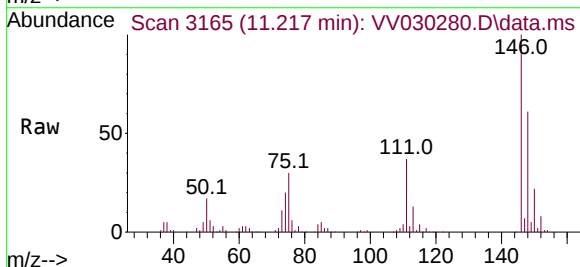
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

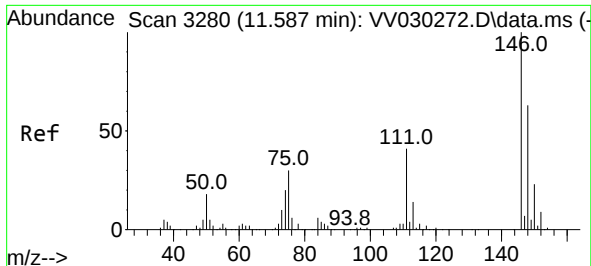
Tgt Ion:146 Resp: 84953
Ion Ratio Lower Upper
146 100
111 37.0 27.7 51.5
148 64.8 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.309 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion:146 Resp: 81527
Ion Ratio Lower Upper
146 100
111 36.6 27.4 51.0
148 61.2 44.1 81.9

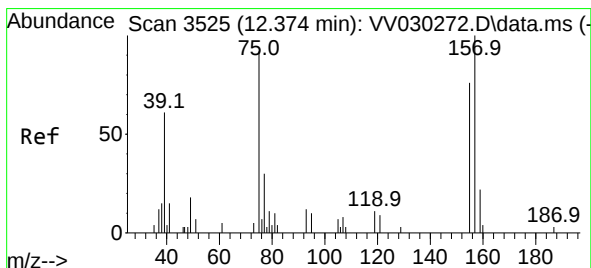
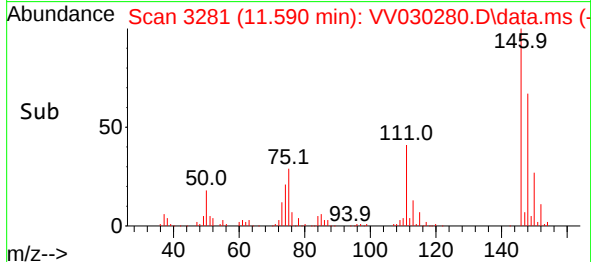
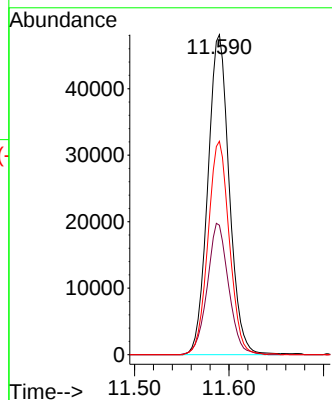
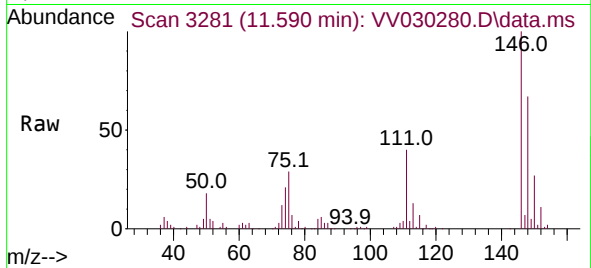




#67
1,2-Dichlorobenzene
Concen: 4.567 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

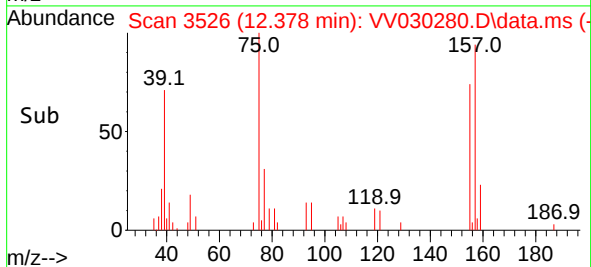
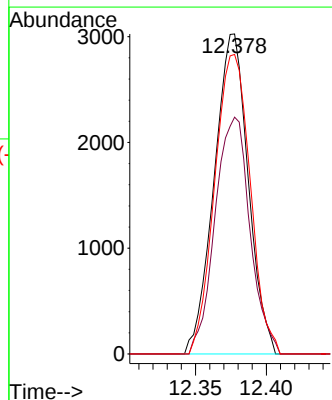
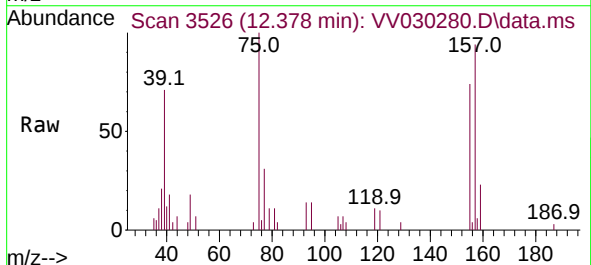
Instrument :
MSVOA_V
ClientSampleId :
H0A24MSD

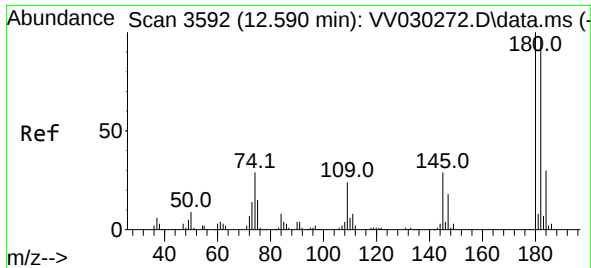
Tgt Ion:146 Resp: 75629
Ion Ratio Lower Upper
146 100
111 40.4 33.5 50.3
148 66.7 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 5.406 ug/L
RT: 12.378 min Scan# 3526
Delta R.T. 0.003 min
Lab File: VV030280.D
Acq: 21 Mar 2023 16:09

Tgt Ion: 75 Resp: 5058
Ion Ratio Lower Upper
75 100
155 74.0 79.1 118.7#
157 93.6 95.5 143.3#

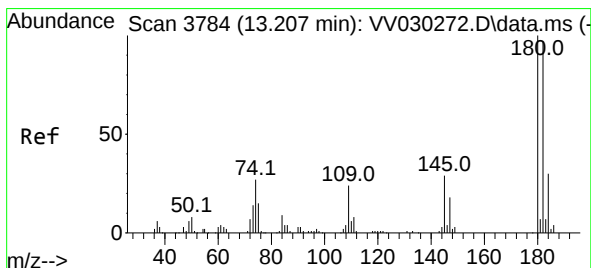
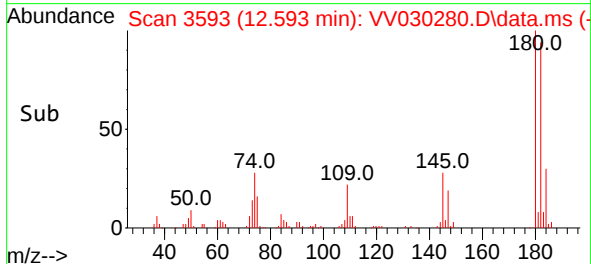
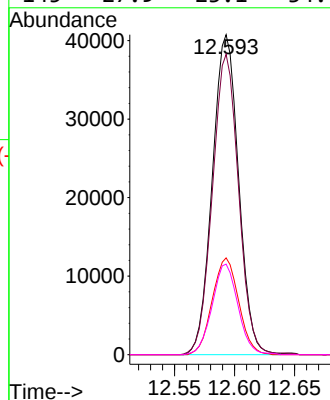
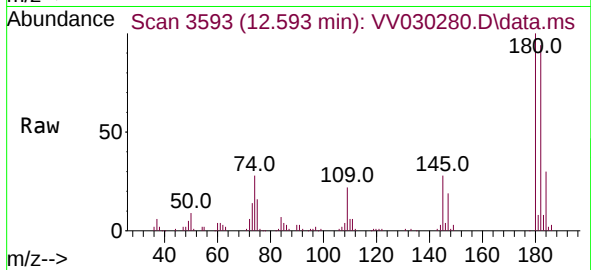




#69
 1,3,5-Trichlorobenzene
 Concen: 4.022 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. 0.003 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

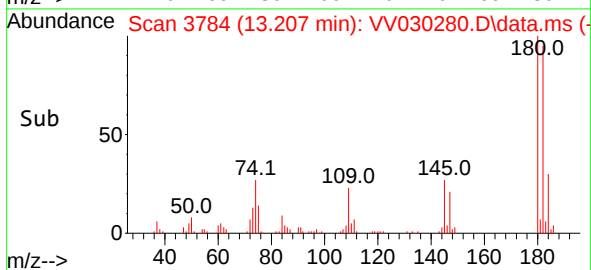
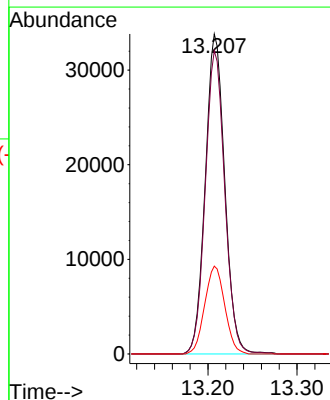
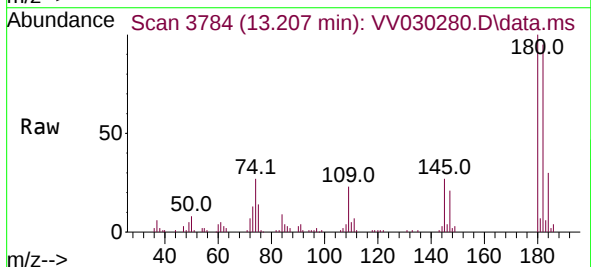
Instrument :
 MSVOA_V
 ClientSampleId :
 H0A24MSD

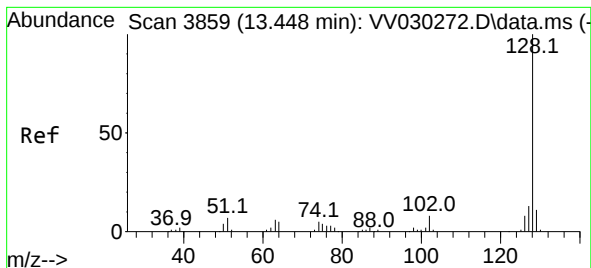
Tgt Ion:180	Resp:	62003
Ion Ratio	Lower	Upper
180	100	
182	93.5	76.5 114.7
184	30.4	24.3 36.5
145	27.9	23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.102 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. 0.000 min
 Lab File: VV030280.D
 Acq: 21 Mar 2023 16:09

Tgt Ion:180	Resp:	51226
Ion Ratio	Lower	Upper
180	100	
182	94.8	77.3 115.9
145	28.2	23.1 34.7





#71

Naphthalene

Concen: 4.540 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Instrument :

MSVOA_V

ClientSampleId :

H0A24MSD

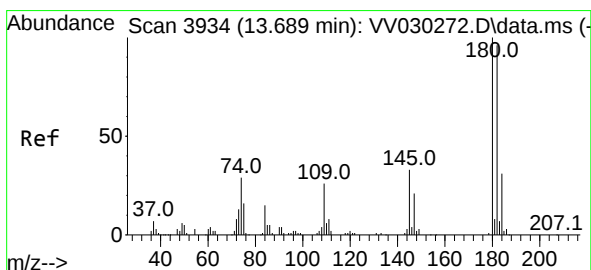
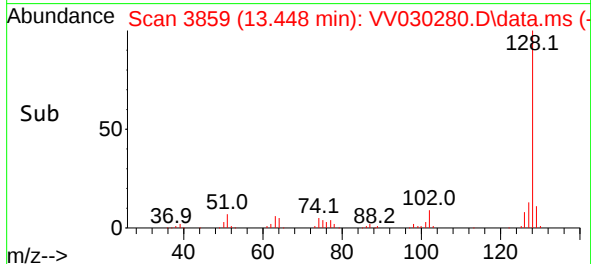
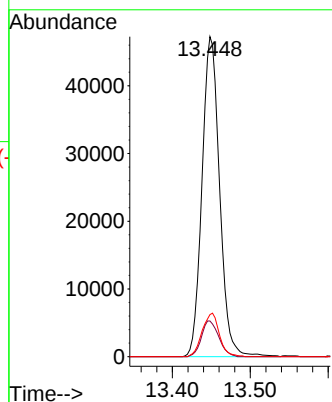
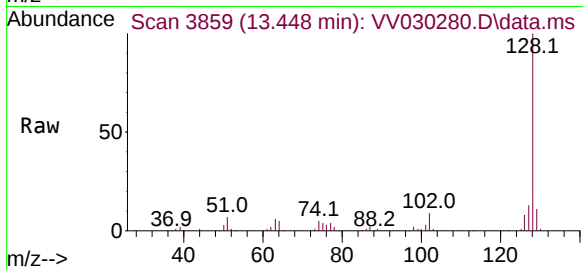
Tgt Ion:128 Resp: 74091

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.3 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.302 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030280.D

Acq: 21 Mar 2023 16:09

Tgt Ion:180 Resp: 44225

Ion Ratio Lower Upper

180 100

182 94.2 76.2 114.2

145 30.5 25.1 37.7

