

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
 Data File : VW031559.D
 Acq On : 16 Jun 2023 03:20
 Operator : SY/MD
 Sample : 03254-09MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXYW5MS

Quant Time: Jun 16 06:20:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	251804	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	250973	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	149650	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	62496	37.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.580%
7) Chloroethane-d5	1.536	69	59043	40.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.760%
11) 1,1-Dichloroethene-d2	2.066	65	31856	36.883	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.760%
21) 2-Butanone-d5	3.799	46	115624	85.207	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.210%
24) Chloroform-d	4.259	84	174701	41.625	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.260%
26) 1,2-Dichloroethane-d4	4.950	65	110497	42.079	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.160%
32) Benzene-d6	4.970	84	300904	42.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.180%
36) 1,2-Dichloropropane-d6	5.995	67	105261	42.040	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.080%
41) Toluene-d8	7.249	98	283183	43.683	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.360%
43) trans-1,3-Dichloroprop...	7.558	79	50241	41.161	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.320%
47) 2-Hexanone-d5	8.031	63	84805	85.784	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.780%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	156418	41.388	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.780%
66) 1,2-Dichlorobenzene-d4	11.567	152	120572	42.268	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	106671	39.938	ug/L	99
3) Chloromethane	1.217	50	106421	42.226	ug/L	97
5) Vinyl chloride	1.288	62	214258	85.759	ug/L	99
6) Bromomethane	1.491	94	68017	41.770	ug/L	100
8) Chloroethane	1.555	64	171396	106.217	ug/L	96
9) Trichlorofluoromethane	1.719	101	175540	42.233	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	89689	40.266	ug/L	98
12) 1,1-Dichloroethene	2.076	96	81564	43.777	ug/L	94
13) Acetone	2.124	43	75757	56.577	ug/L	97
14) Carbon disulfide	2.249	76	251209	44.573	ug/L	100
15) Methyl Acetate	2.381	43	79127	35.099	ug/L	97
16) Methylene chloride	2.455	84	98871	42.327	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	90467	46.516	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	298445	45.990	ug/L	98
19) 1,1-Dichloroethane	3.121	63	195657	46.613	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	168115	79.987	ug/L	97
22) 2-Butanone	3.880	43	126240	75.469	ug/L	99
23) Bromochloromethane	4.156	128	52635	46.329	ug/L	98
25) Chloroform	4.285	83	199323	45.680	ug/L	99

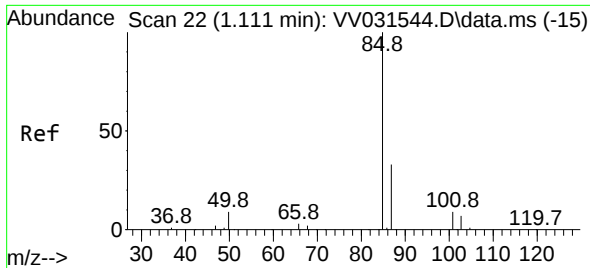
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061523\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	164944	48.979	ug/L	98
29) Cyclohexane	4.593	56	139957	42.863	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	177576	44.131	ug/L	100
31) Carbon tetrachloride	4.744	117	158128	44.352	ug/L	99
33) Benzene	5.018	78	382850	45.818	ug/L	100
34) Trichloroethene	5.841	95	98409	44.074	ug/L	95
35) Methylcyclohexane	6.060	83	135602	41.217	ug/L	98
37) 1,2-Dichloropropane	6.098	63	111695	45.522	ug/L	99
38) Bromodichloromethane	6.439	83	148226	44.694	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	160181	43.979	ug/L	100
40) 4-Methyl-2-pentanone	7.166	43	266696	92.568	ug/L	99
42) Toluene	7.320	91	408724	47.177	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	158210	44.604	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	104327	45.010	ug/L	99
46) Tetrachloroethene	7.912	164	76439	43.619	ug/L	98
48) 2-Hexanone	8.082	43	205500	89.309	ug/L	95
49) Dibromochloromethane	8.182	129	116582	45.255	ug/L	99
50) 1,2-Dibromoethane	8.288	107	110440	44.748	ug/L	99
51) Chlorobenzene	8.818	112	254586	44.369	ug/L	97
52) Ethylbenzene	8.953	91	441742	45.695	ug/L	99
53) m,p-Xylene	9.079	106	164349	46.423	ug/L	97
54) o-Xylene	9.484	106	154939	46.119	ug/L	98
55) Styrene	9.500	104	291702	48.617	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	171453	45.272	ug/L	96
59) Bromoform	9.670	173	88700	47.816	ug/L #	97
60) Isopropylbenzene	9.873	105	436893	45.793	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	132416	44.799	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	356831	45.253	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	333140	45.343	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	213163	44.565	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	224261	43.999	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	215308	44.599	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	37098	42.287	ug/L	95
69) 1,3,5-Trichlorobenzene	12.590	180	153131	42.015	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	133097	41.662	ug/L	98
71) Naphthalene	13.445	128	337794	41.744	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	141439	42.604	ug/L	98

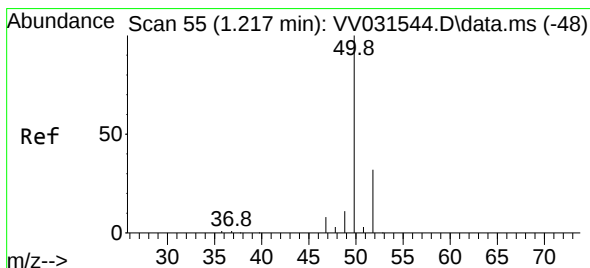
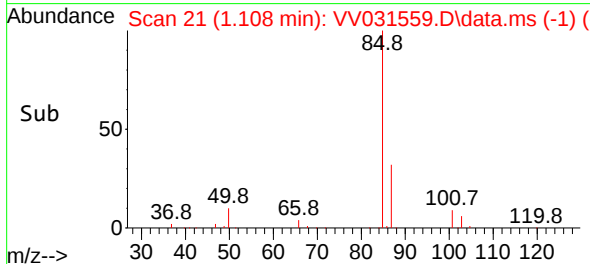
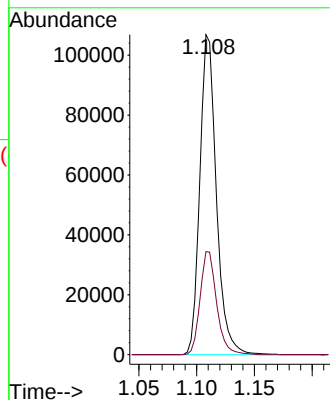
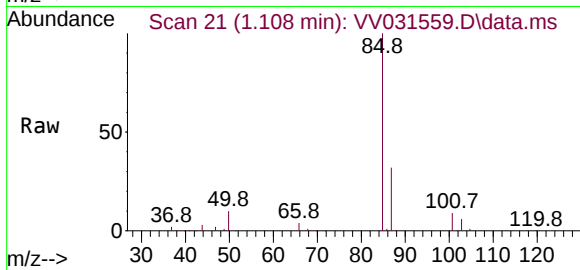
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 39.938 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV031559.D
 Acq: 16 Jun 2023 03:20

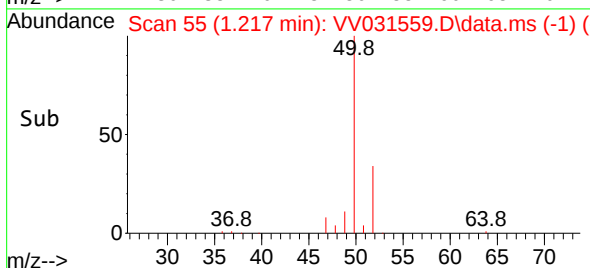
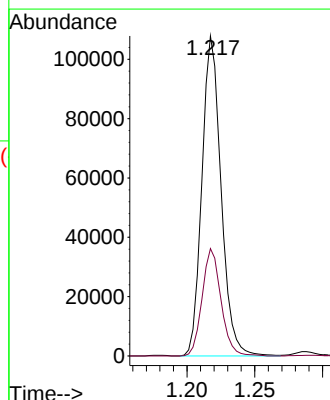
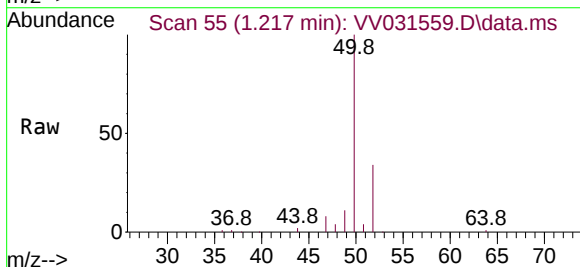
Instrument :
 MSVOA_V
 ClientSampleId :
 EXYW5MS

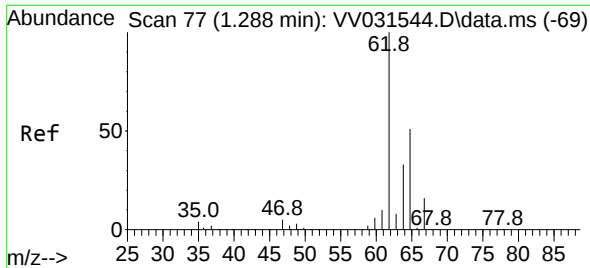
Tgt Ion: 85 Resp: 106671
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.5 38.3



#3
 Chloromethane
 Concen: 42.226 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031559.D
 Acq: 16 Jun 2023 03:20

Tgt Ion: 50 Resp: 106421
 Ion Ratio Lower Upper
 50 100
 52 33.5 22.3 41.5

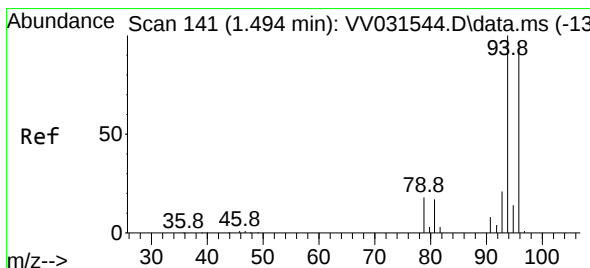
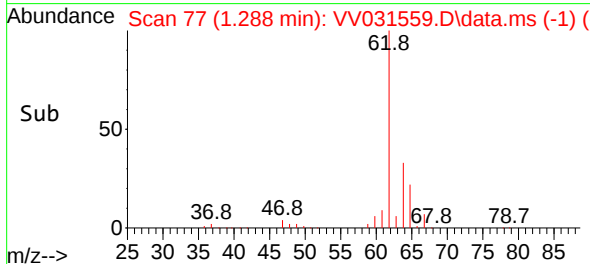
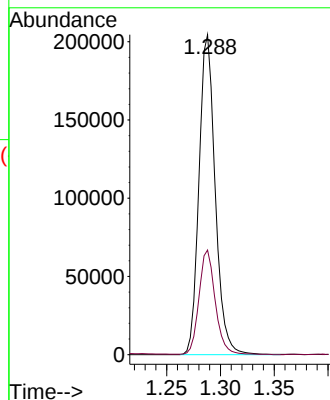
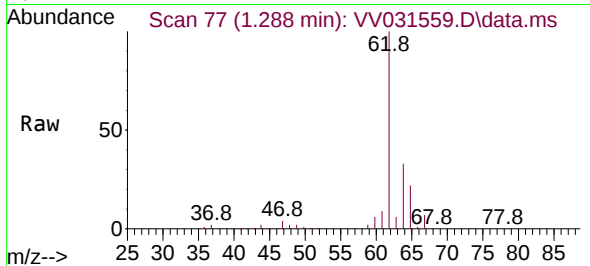




#5
 Vinyl chloride
 Concen: 85.759 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031559.D
 Acq: 16 Jun 2023 03:20

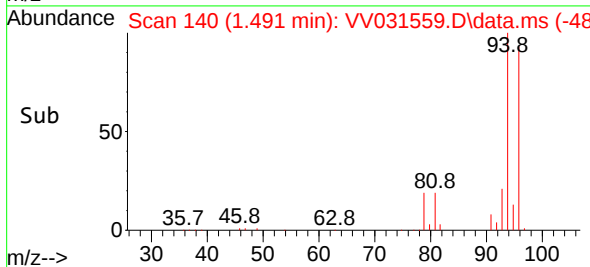
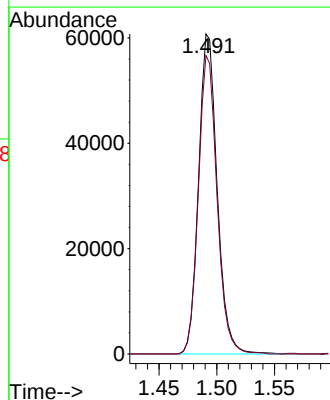
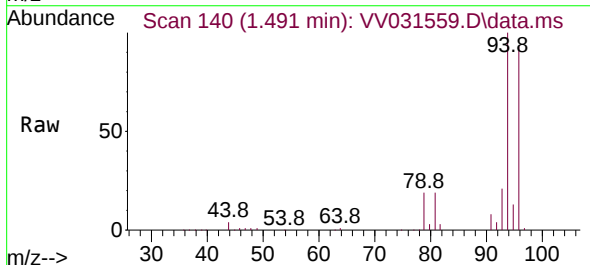
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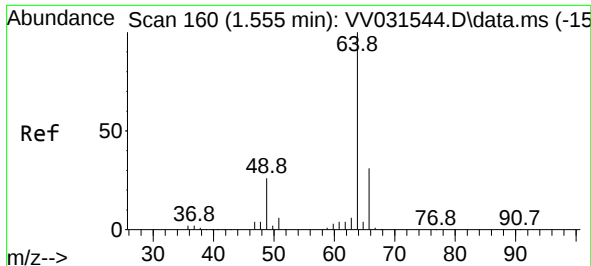
Tgt Ion: 62 Resp: 214258
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.4 43.4



#6
 Bromomethane
 Concen: 41.770 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV031559.D
 Acq: 16 Jun 2023 03:20

Tgt Ion: 94 Resp: 68017
 Ion Ratio Lower Upper
 94 100
 96 93.2 65.4 121.4

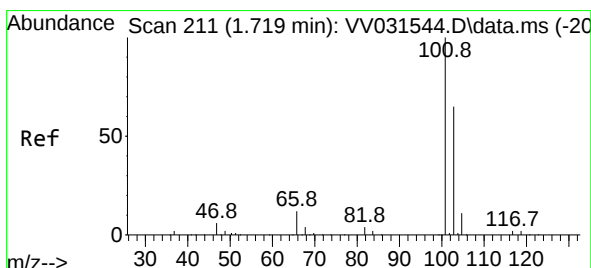
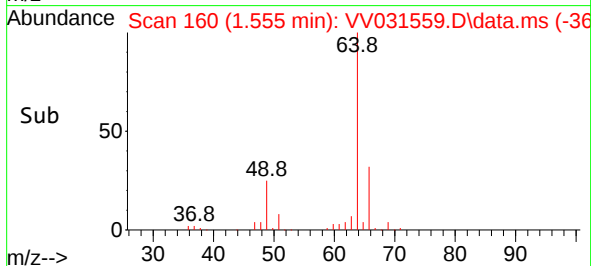
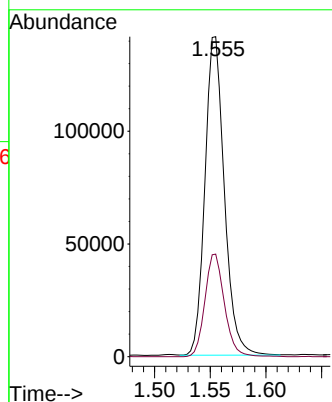
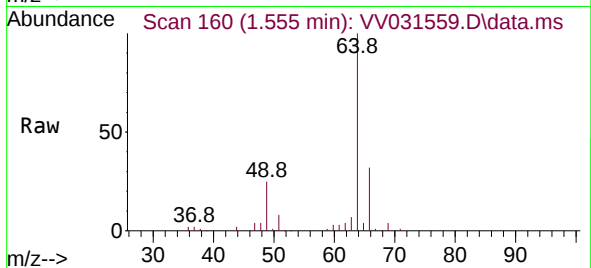




#8
Chloroethane
Concen: 106.217 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

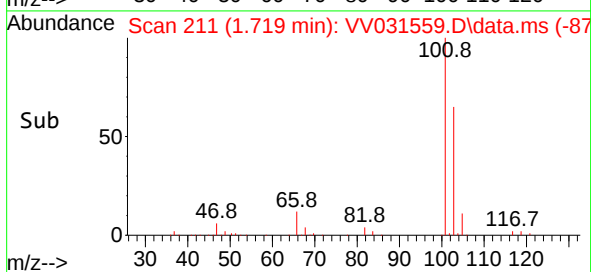
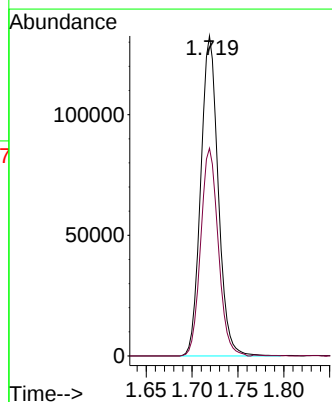
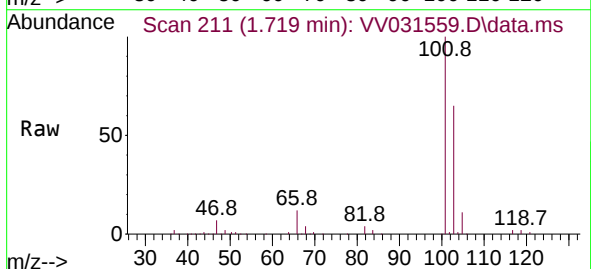
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ClientSampleId :
EXYW5MS

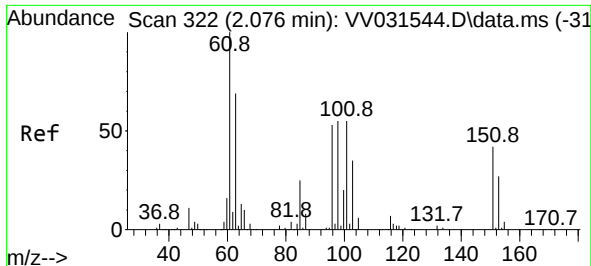
Tgt Ion: 64 Resp: 171396
Ion Ratio Lower Upper
64 100
66 32.0 21.0 39.0



#9
Trichlorofluoromethane
Concen: 42.233 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion:101 Resp: 175540
Ion Ratio Lower Upper
101 100
103 65.1 50.9 76.3

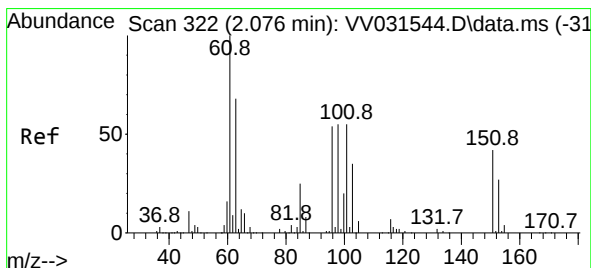
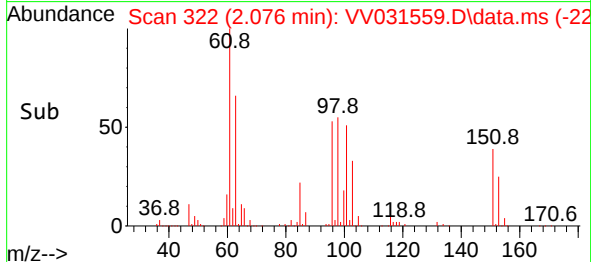
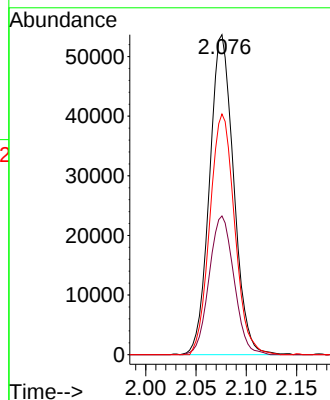
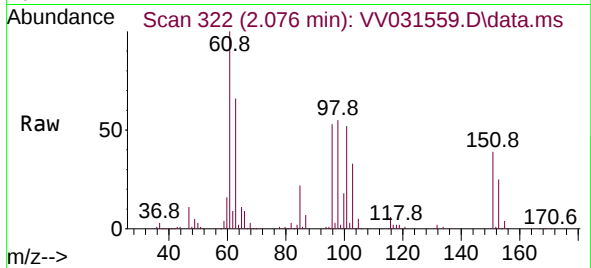




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 40.266 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VV031559.D
 Acq: 16 Jun 2023 03:20

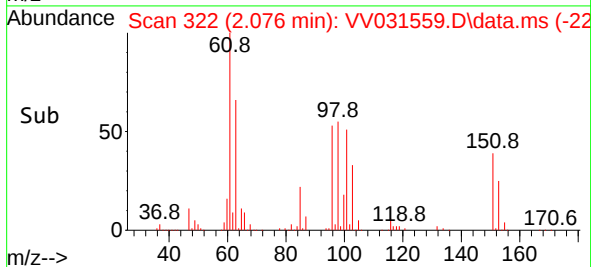
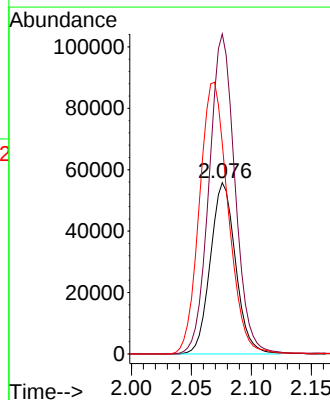
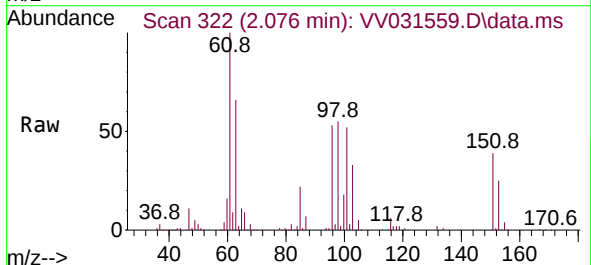
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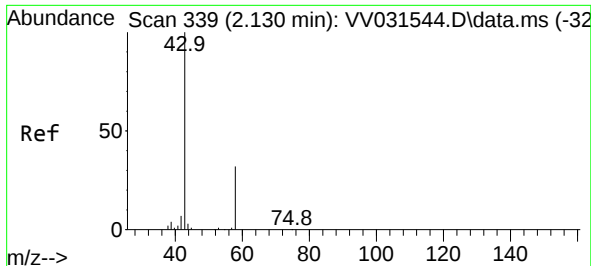
Tgt Ion:101 Resp: 89689
 Ion Ratio Lower Upper
 101 100
 85 44.5 37.4 56.0
 151 77.2 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 43.777 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.000 min
 Lab File: VV031559.D
 Acq: 16 Jun 2023 03:20

Tgt Ion: 96 Resp: 81564
 Ion Ratio Lower Upper
 96 100
 61 187.0 128.9 239.5
 63 123.0 95.3 177.1





#13

Acetone

Concen: 56.577 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

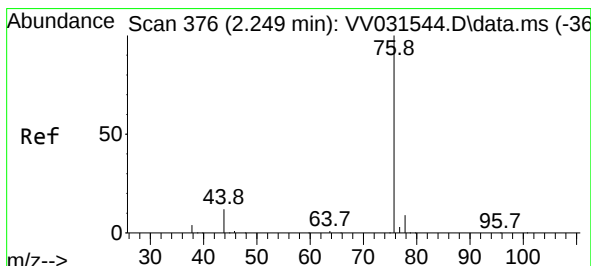
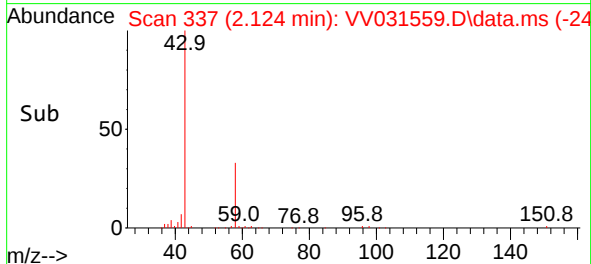
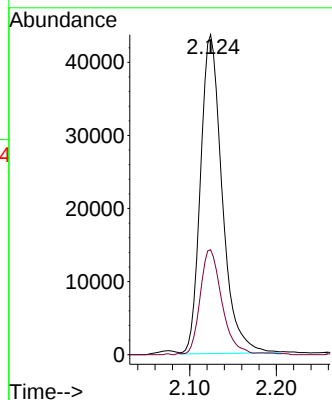
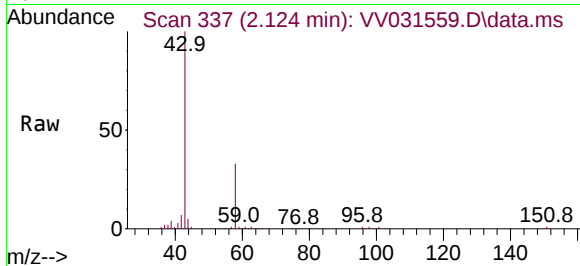
EXYW5MS

Tgt Ion: 43 Resp: 75757

Ion Ratio Lower Upper

43 100

58 32.3 0.0 68.6



#14

Carbon disulfide

Concen: 44.573 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.000 min

Lab File: VV031559.D

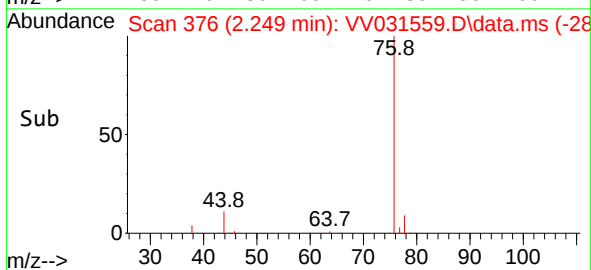
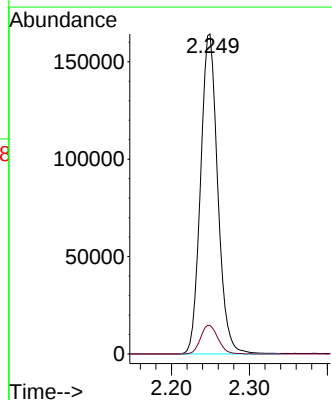
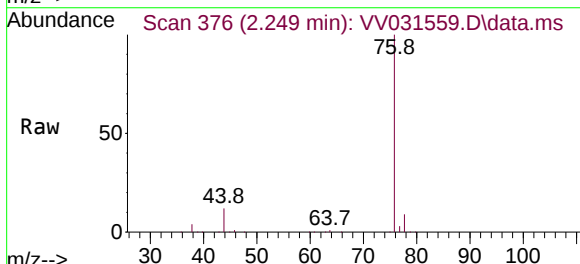
Acq: 16 Jun 2023 03:20

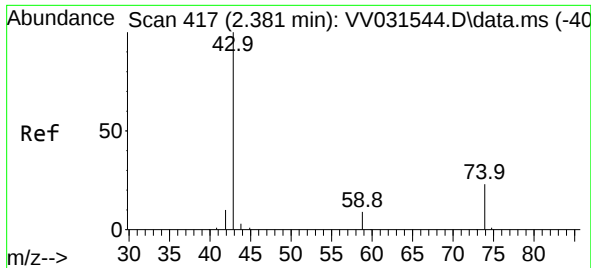
Tgt Ion: 76 Resp: 251209

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

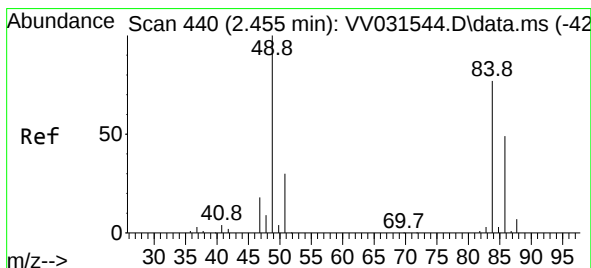
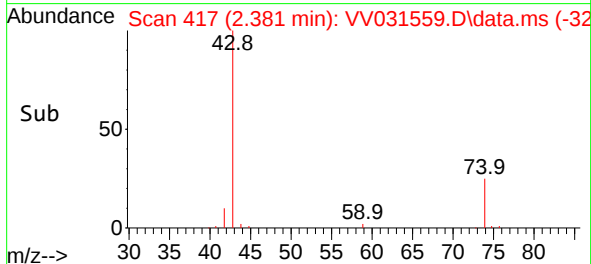
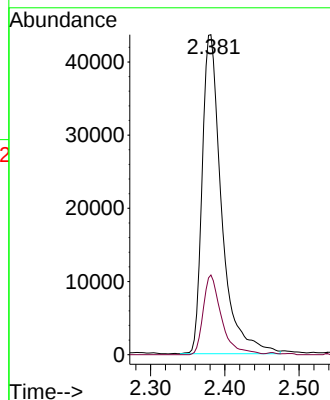
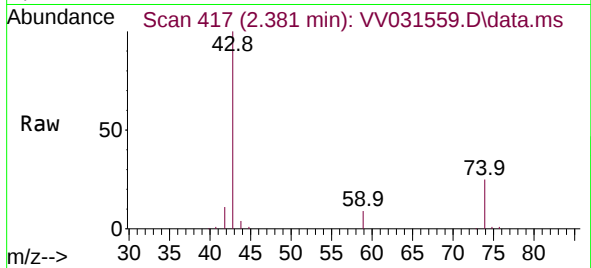




#15
Methyl Acetate
Concen: 35.099 ug/L
RT: 2.381 min Scan# 417
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

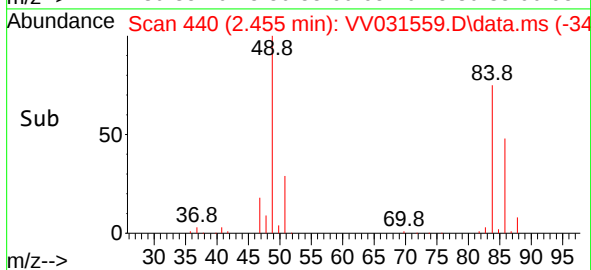
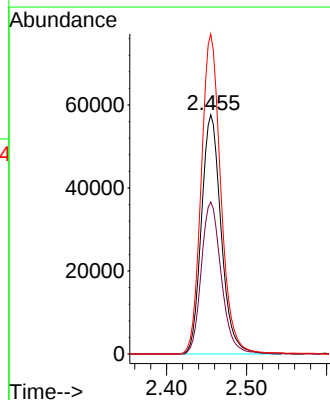
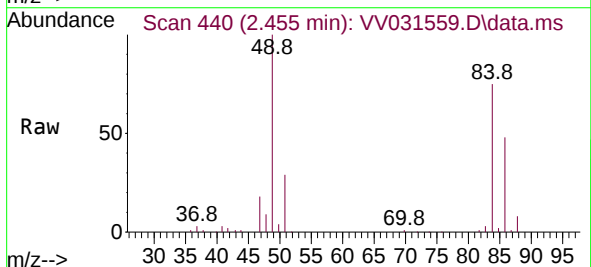
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

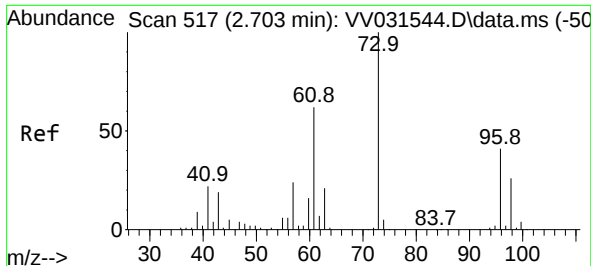
Tgt Ion: 43 Resp: 79127
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.6



#16
Methylene chloride
Concen: 42.327 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion: 84 Resp: 98871
Ion Ratio Lower Upper
84 100
86 63.6 45.8 85.0
49 133.8 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 46.516 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

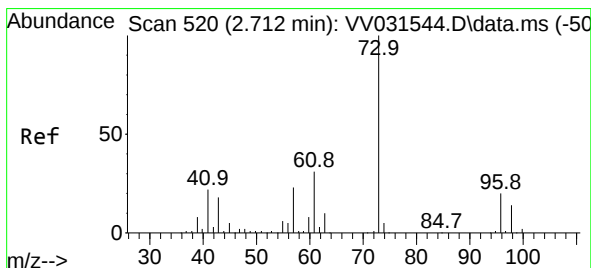
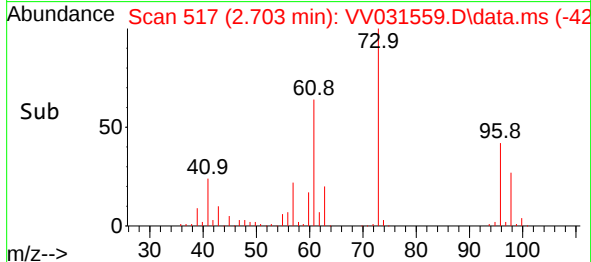
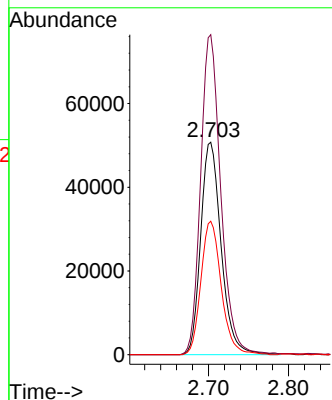
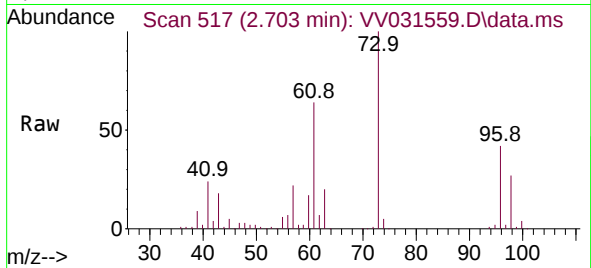
Tgt Ion: 96 Resp: 90467

Ion Ratio Lower Upper

96 100

61 150.6 102.5 190.3

98 62.8 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 45.990 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.003 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

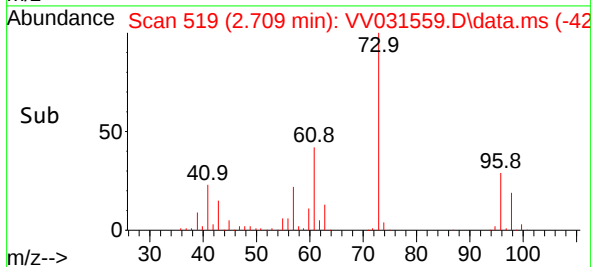
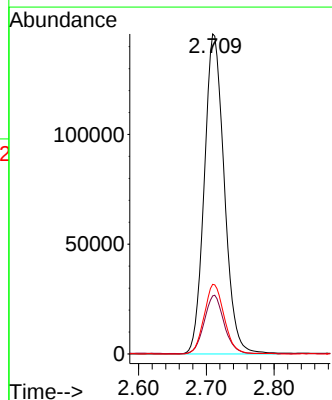
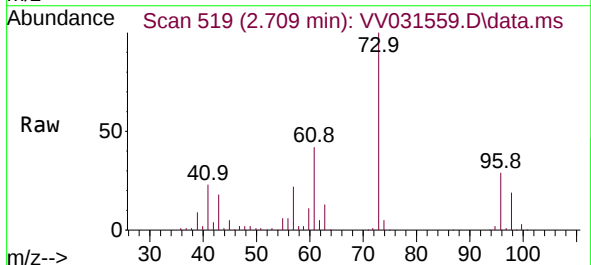
Tgt Ion: 73 Resp: 298445

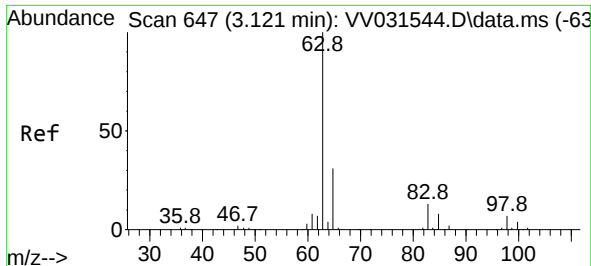
Ion Ratio Lower Upper

73 100

43 18.0 15.0 22.4

57 21.8 18.2 27.4





#19

1,1-Dichloroethane

Concen: 46.613 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

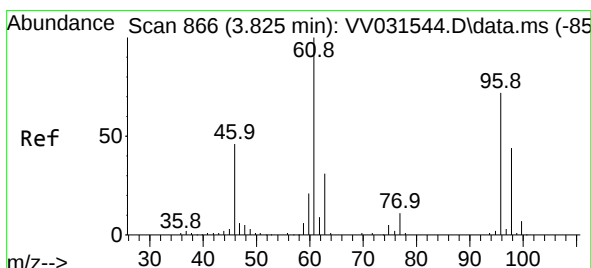
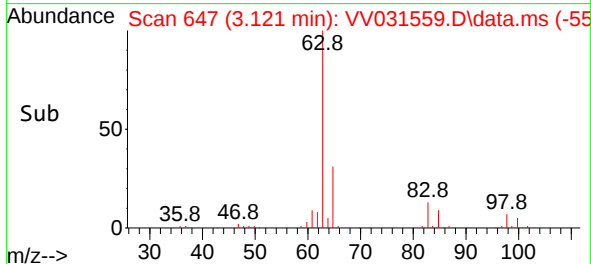
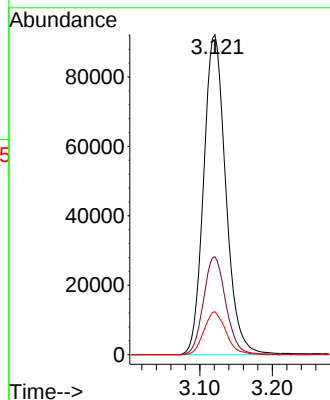
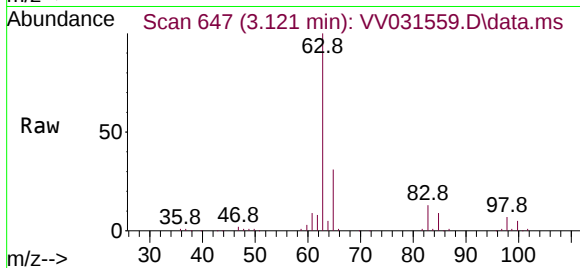
Tgt Ion: 63 Resp: 195657

Ion Ratio Lower Upper

63 100

65 30.6 22.5 41.7

83 14.1 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 79.987 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.003 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

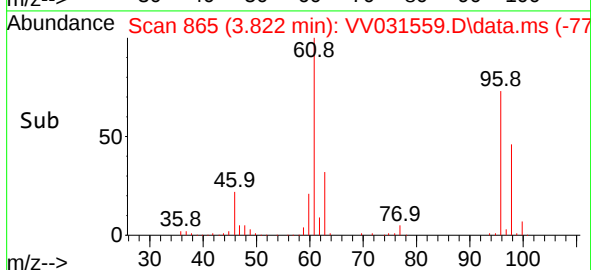
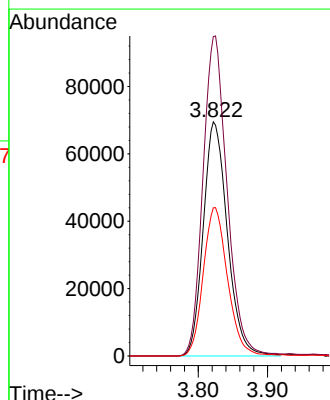
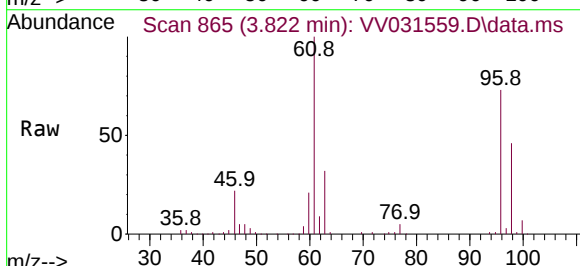
Tgt Ion: 96 Resp: 168115

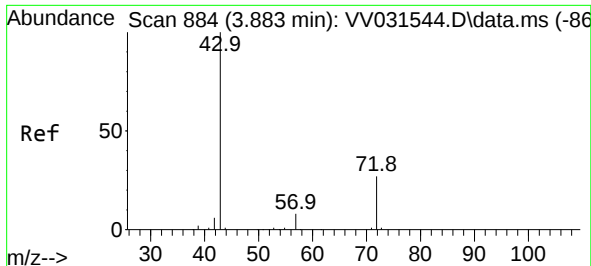
Ion Ratio Lower Upper

96 100

61 136.4 98.6 183.0

98 63.3 45.7 84.9

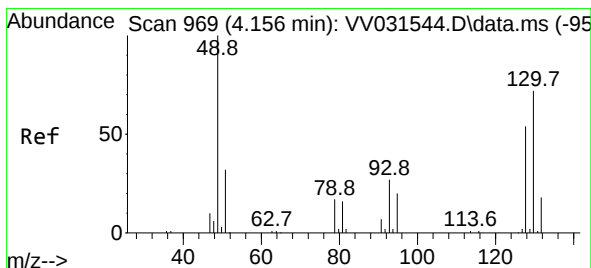
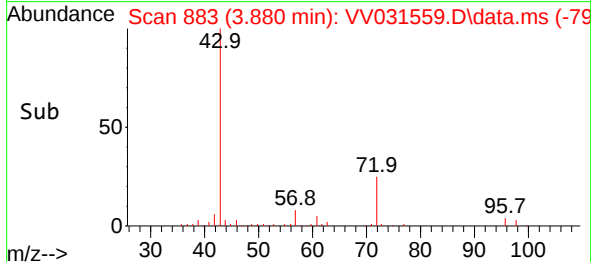
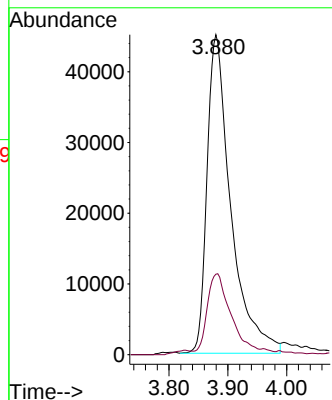
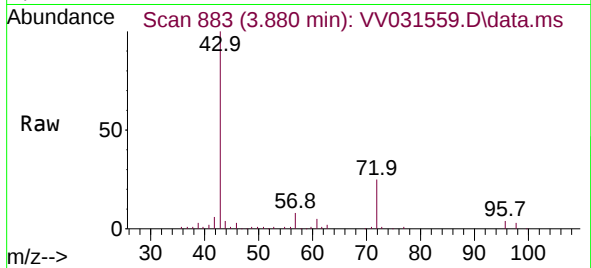




#22
2-Butanone
Concen: 75.469 ug/L
RT: 3.880 min Scan# 884
Delta R.T. -0.003 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

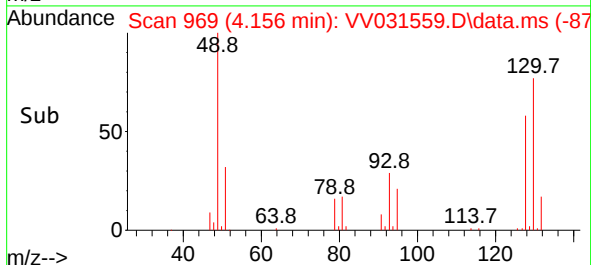
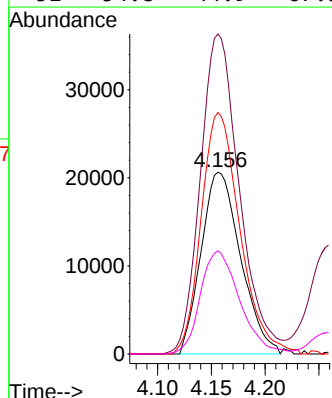
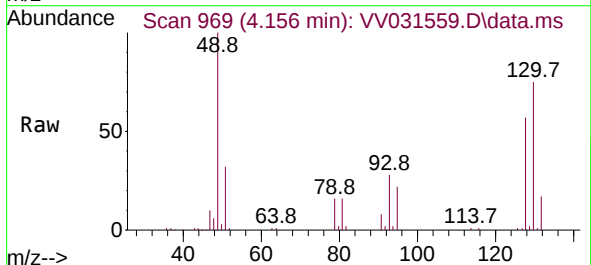
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

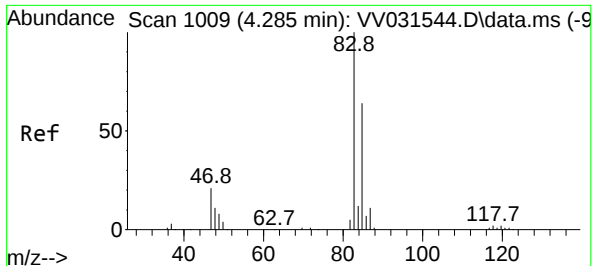
Tgt Ion: 43 Resp: 126240
Ion Ratio Lower Upper
43 100
72 23.6 12.2 36.4



#23
Bromochloromethane
Concen: 46.329 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion:128 Resp: 52635
Ion Ratio Lower Upper
128 100
49 169.8 120.6 224.0
130 129.8 88.1 163.7
51 54.8 44.9 67.3





#25

Chloroform

Concen: 45.680 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

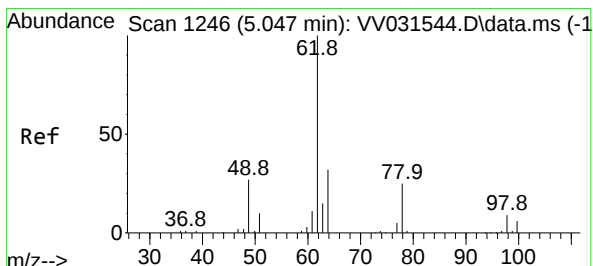
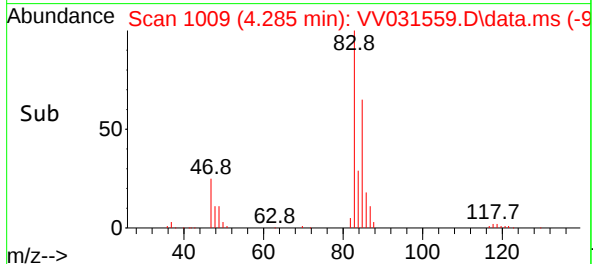
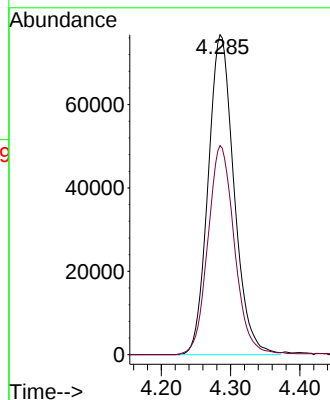
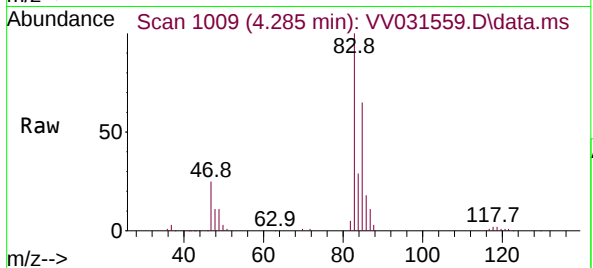
EXYW5MS

Tgt Ion: 83 Resp: 199323

Ion Ratio Lower Upper

83 100

85 65.4 45.3 84.1



#27

1,2-Dichloroethane

Concen: 48.979 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031559.D

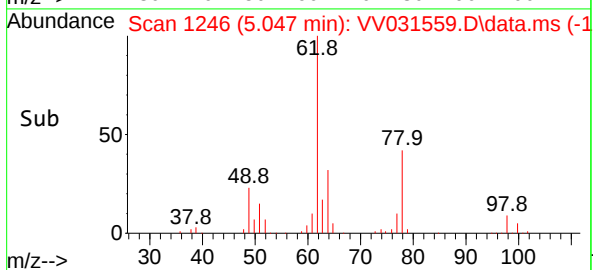
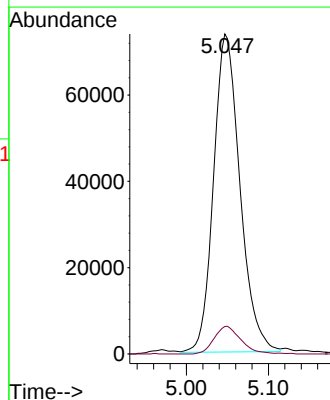
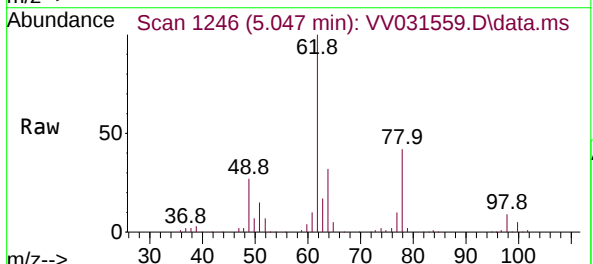
Acq: 16 Jun 2023 03:20

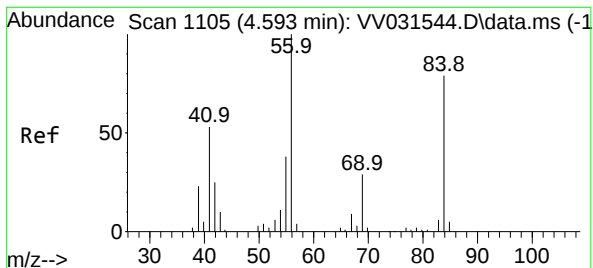
Tgt Ion: 62 Resp: 164944

Ion Ratio Lower Upper

62 100

98 9.0 6.6 9.8





#29

Cyclohexane

Concen: 42.863 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

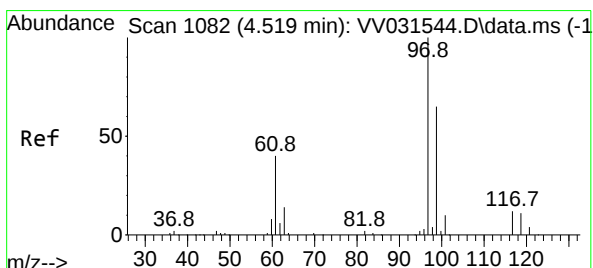
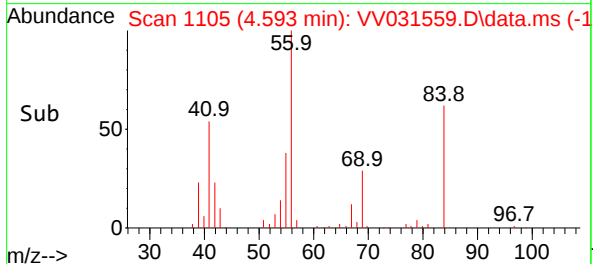
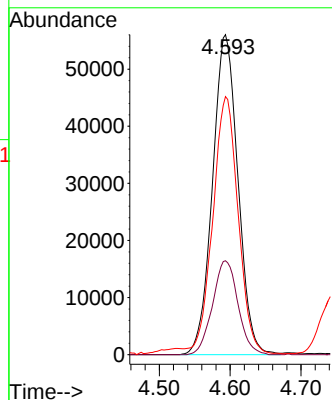
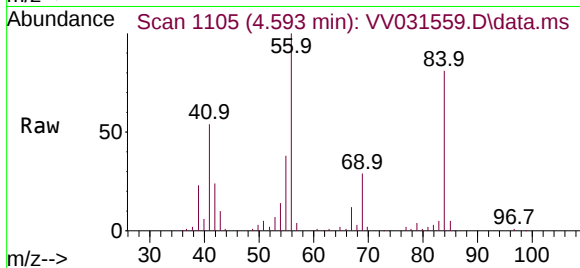
Tgt Ion: 56 Resp: 139957

Ion Ratio Lower Upper

56 100

69 29.3 24.3 36.5

84 79.1 65.0 97.6



#30

1,1,1-Trichloroethane

Concen: 44.131 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

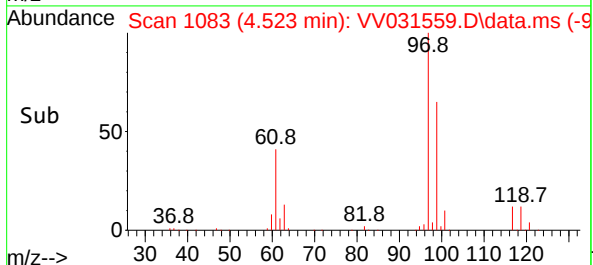
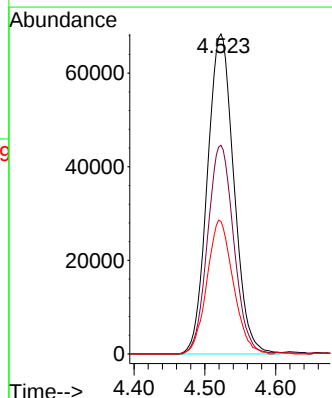
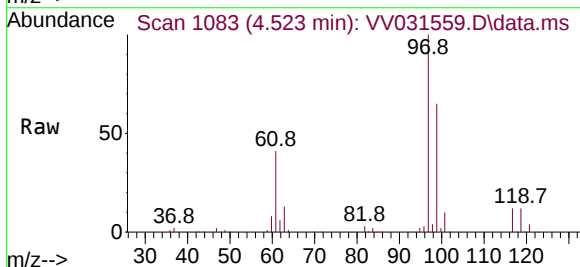
Tgt Ion: 97 Resp: 177576

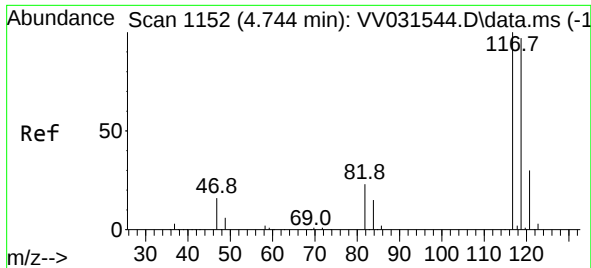
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 41.5 33.0 49.6

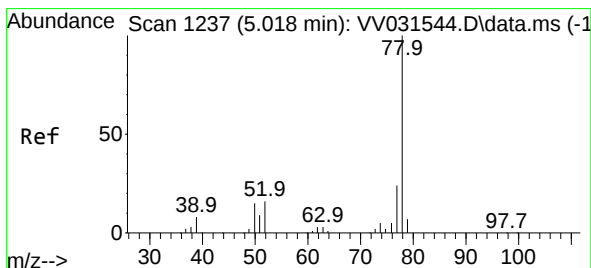
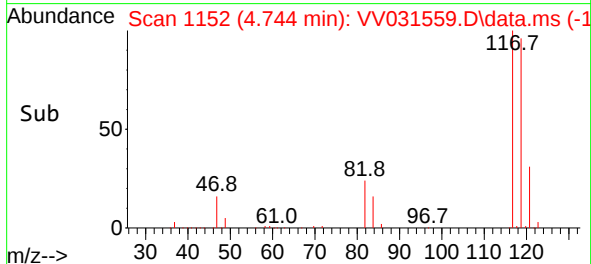
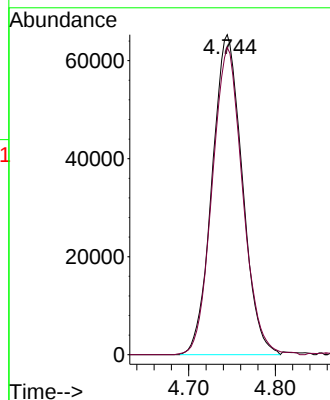
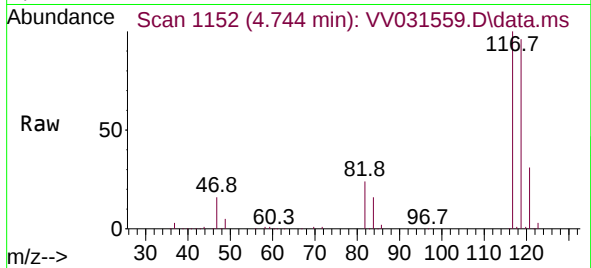




#31
Carbon tetrachloride
Concen: 44.352 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

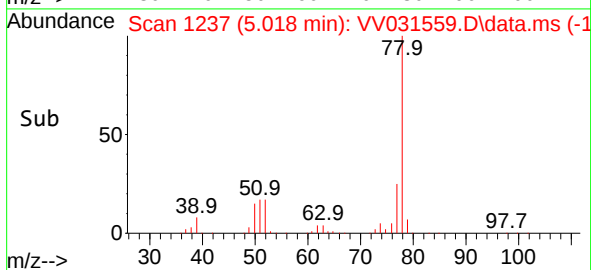
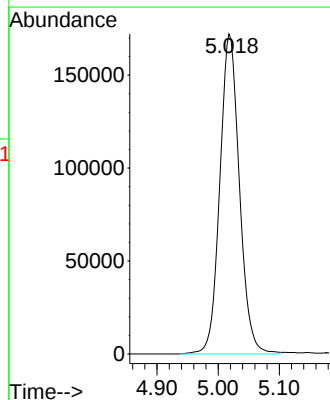
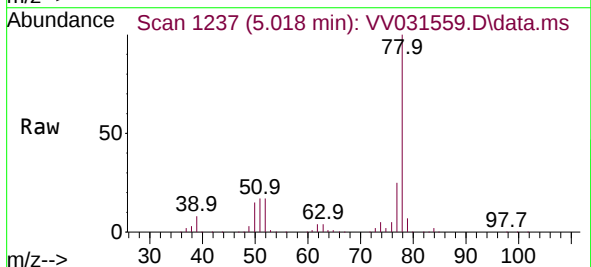
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

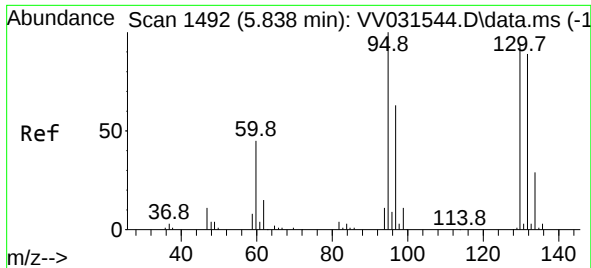
Tgt Ion:117 Resp: 158128
Ion Ratio Lower Upper
117 100
119 96.5 76.2 114.4



#33
Benzene
Concen: 45.818 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion: 78 Resp: 382850

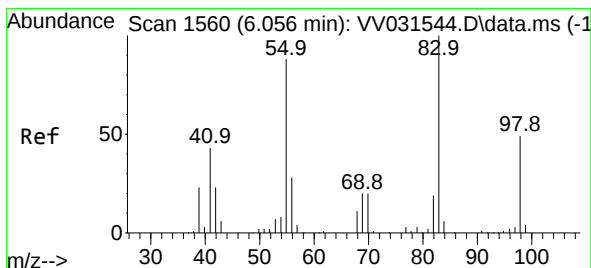
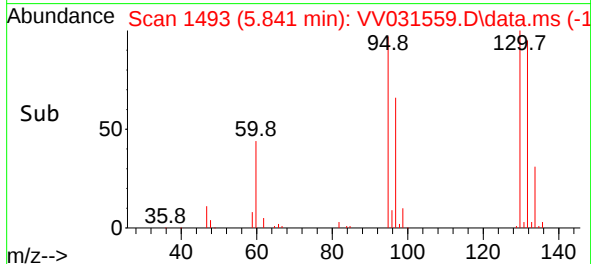
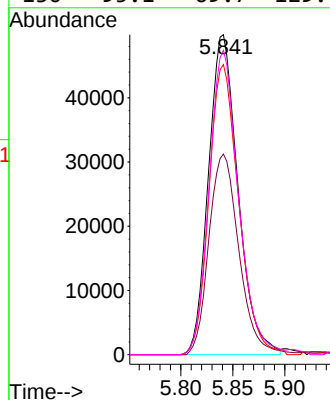
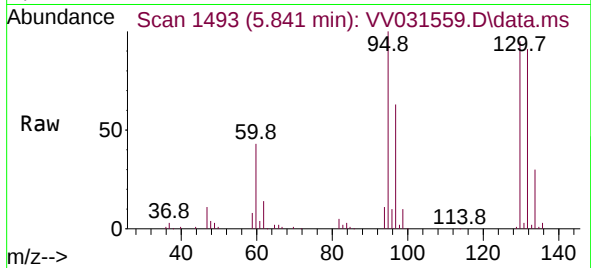




#34
Trichloroethene
Concen: 44.074 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

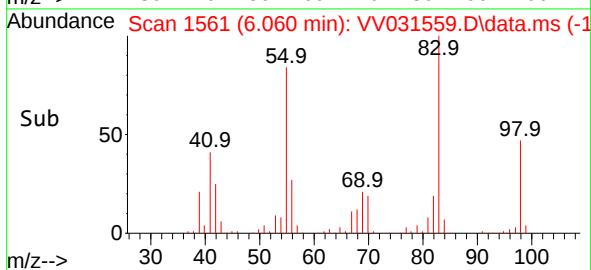
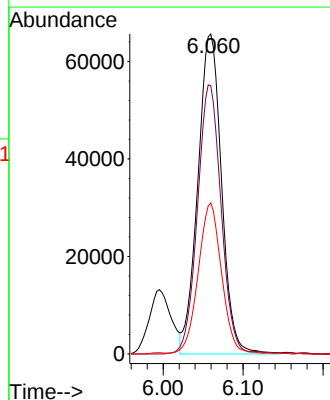
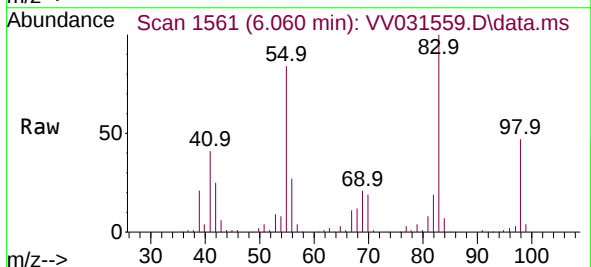
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

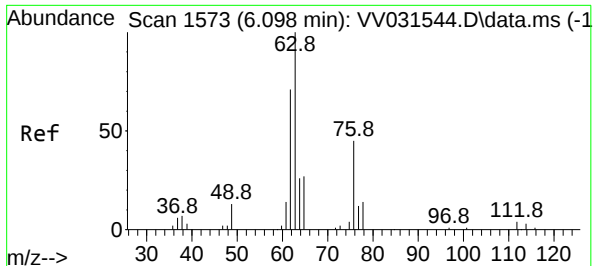
Tgt Ion: 95 Resp: 98409
Ion Ratio Lower Upper
95 100
97 62.7 46.8 86.8
132 90.6 66.4 123.2
130 95.1 69.7 129.4



#35
Methylcyclohexane
Concen: 41.217 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion: 83 Resp: 135602
Ion Ratio Lower Upper
83 100
55 83.6 68.7 103.1
98 45.8 37.0 55.4





#37

1,2-Dichloropropane

Concen: 45.522 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

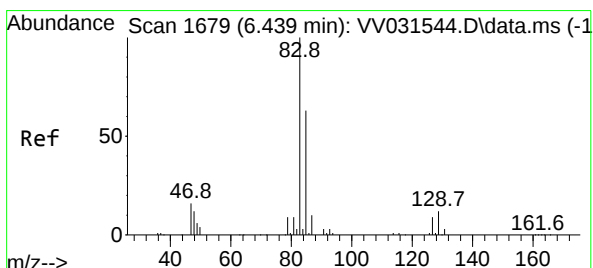
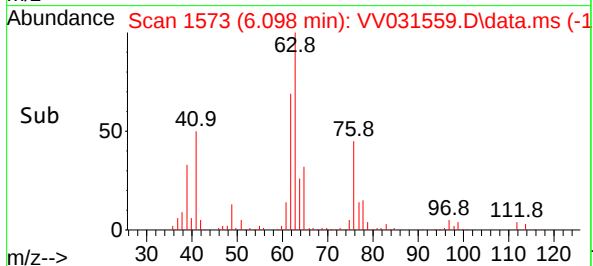
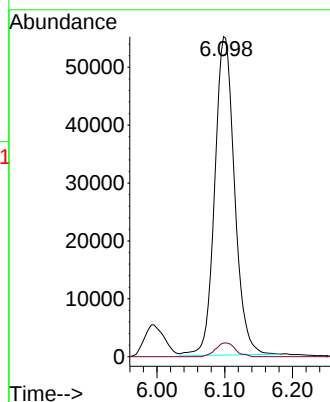
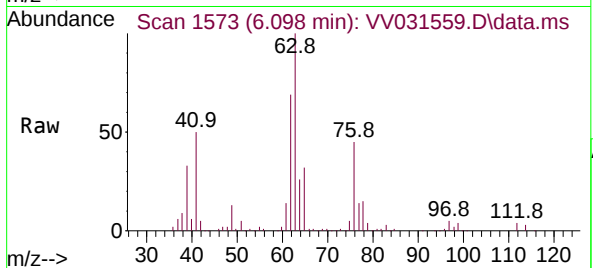
EXYW5MS

Tgt Ion: 63 Resp: 111695

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 44.694 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

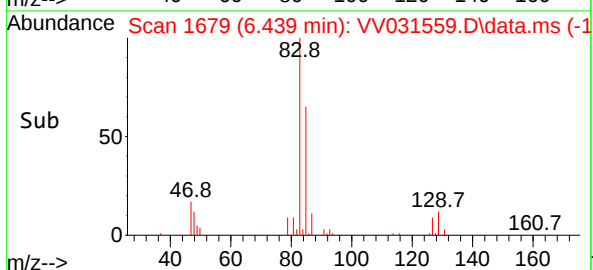
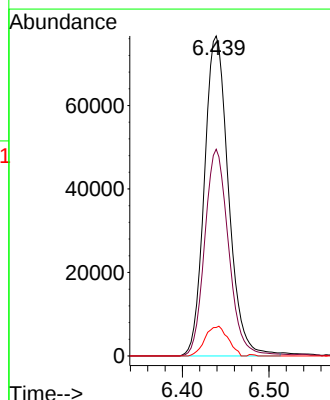
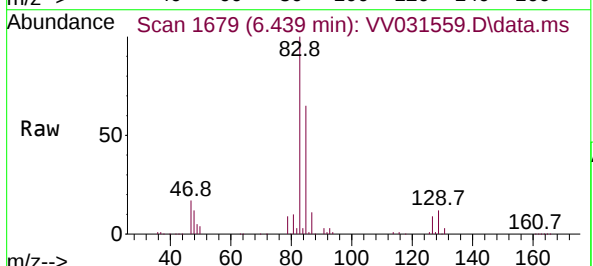
Tgt Ion: 83 Resp: 148226

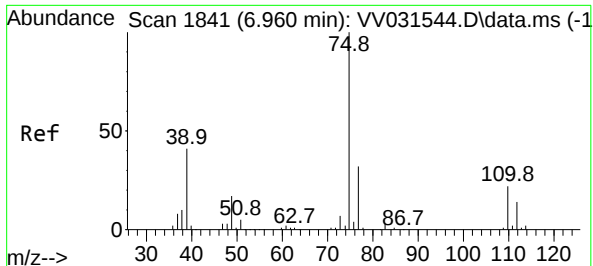
Ion Ratio Lower Upper

83 100

85 64.6 45.3 84.1

127 9.8 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 43.979 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

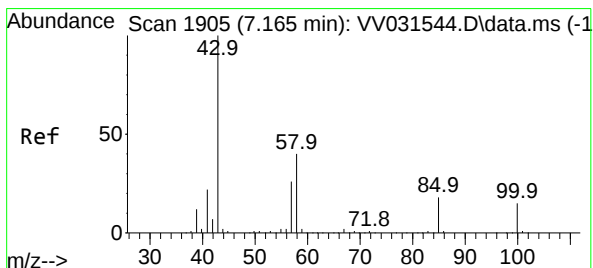
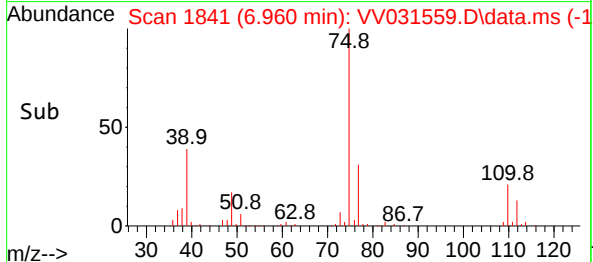
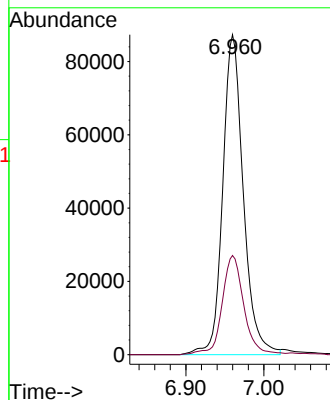
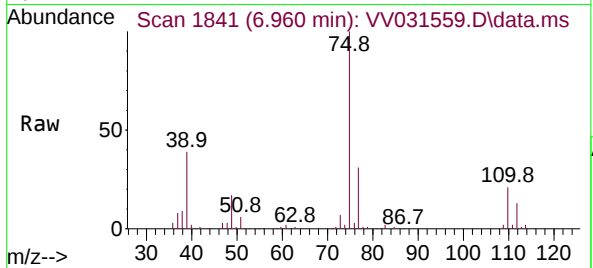
EXYW5MS

Tgt Ion: 75 Resp: 160181

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 92.568 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

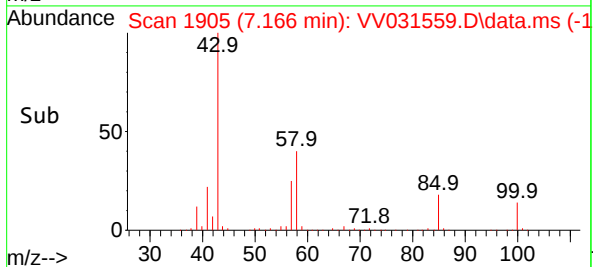
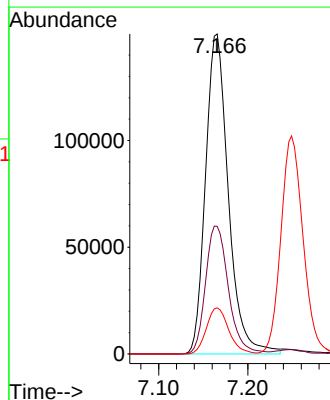
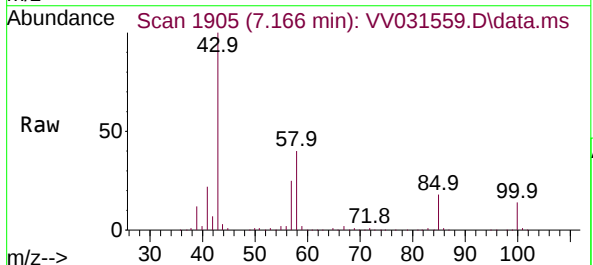
Tgt Ion: 43 Resp: 266696

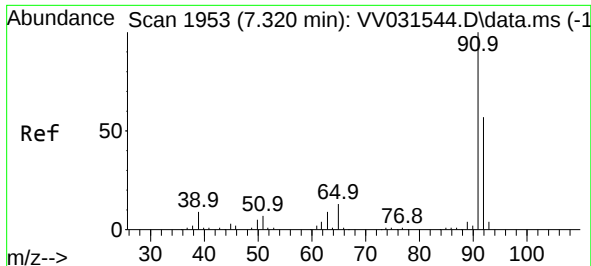
Ion Ratio Lower Upper

43 100

58 40.2 31.8 47.8

100 14.2 11.1 16.7





#42

Toluene

Concen: 47.177 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

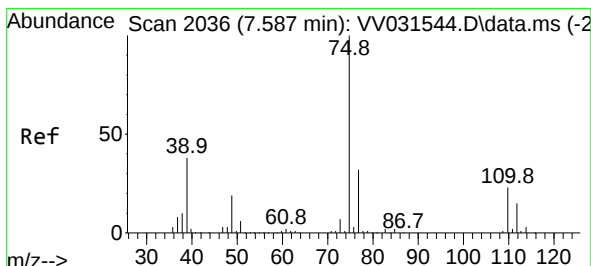
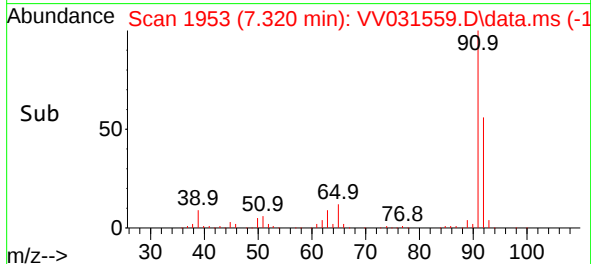
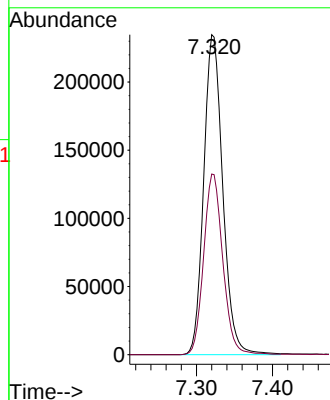
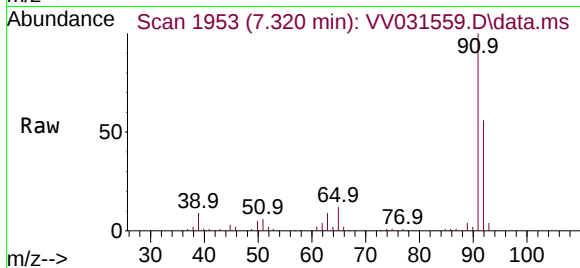
EXYW5MS

Tgt Ion: 91 Resp: 408724

Ion Ratio Lower Upper

91 100

92 56.4 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 44.604 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031559.D

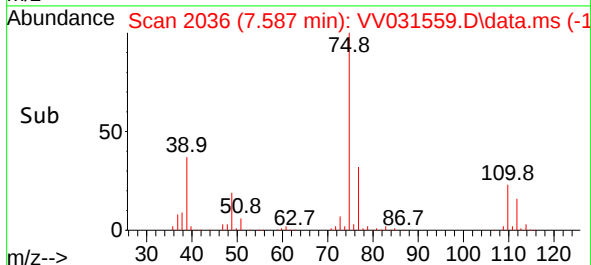
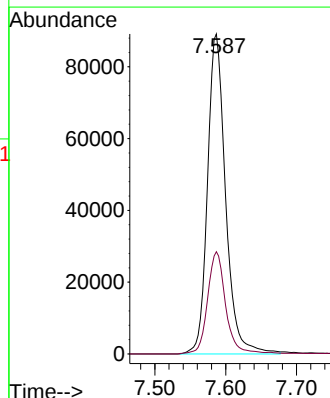
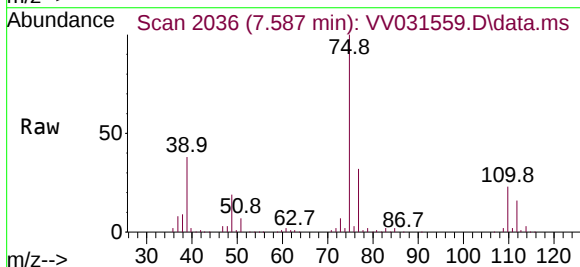
Acq: 16 Jun 2023 03:20

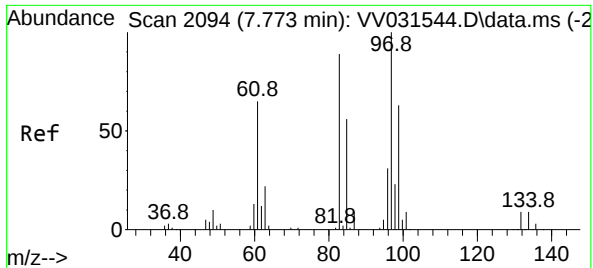
Tgt Ion: 75 Resp: 158210

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



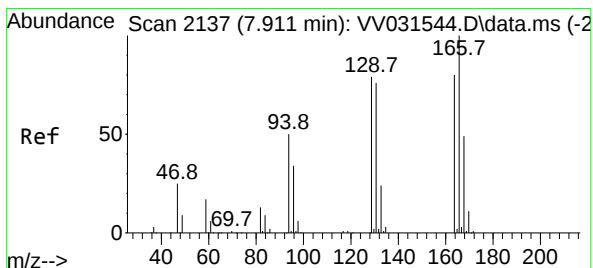
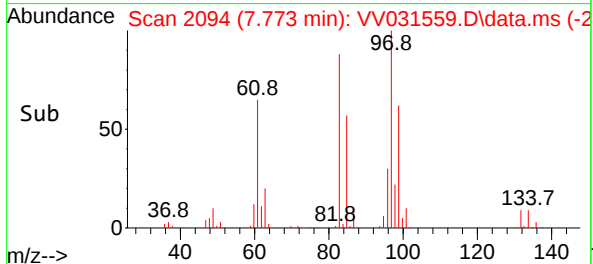
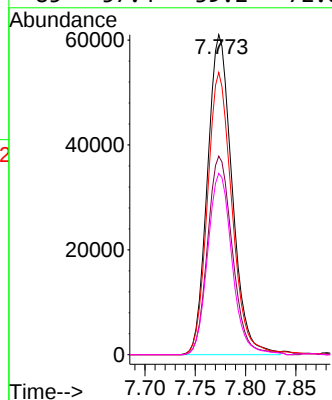
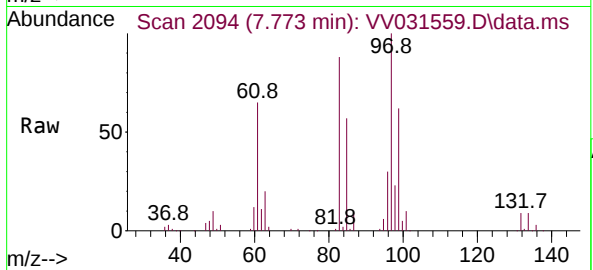


#45
1,1,2-Trichloroethane
Concen: 45.010 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

Tgt Ion: 97 Resp: 104327

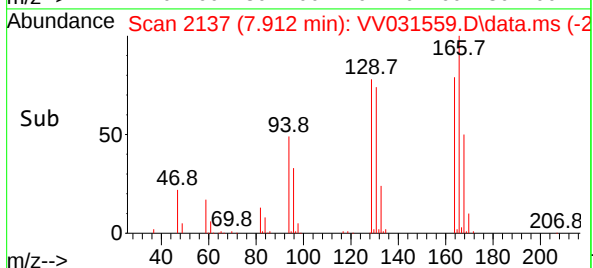
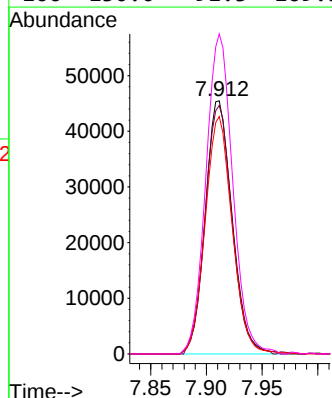
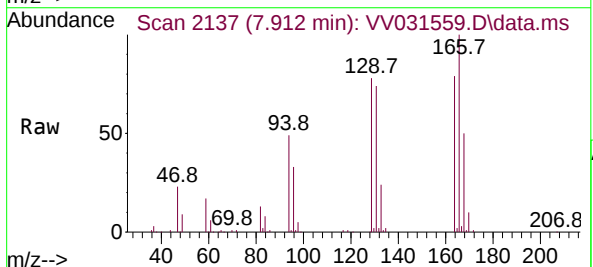
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.7	81.1
83	88.2	60.9	113.1
85	57.4	39.2	72.8

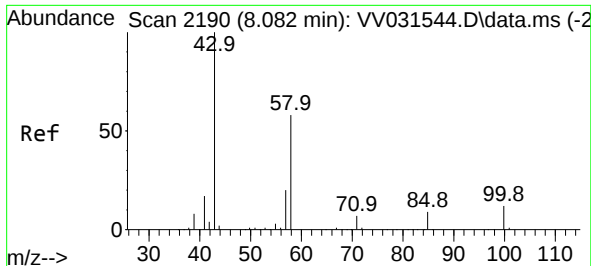


#46
Tetrachloroethene
Concen: 43.619 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion: 164 Resp: 76439

Ion	Ratio	Lower	Upper
164	100		
129	100.7	68.4	127.0
131	93.8	67.6	125.6
166	130.0	91.3	169.5



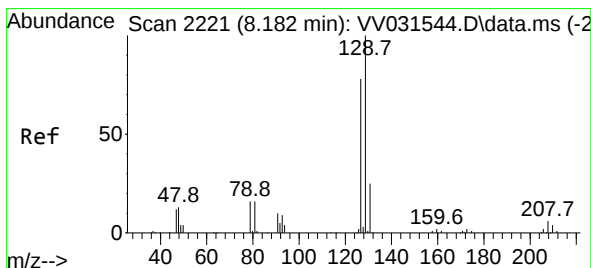
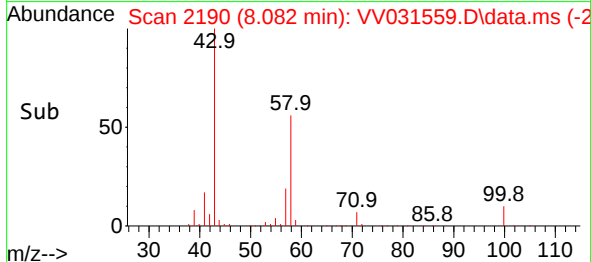
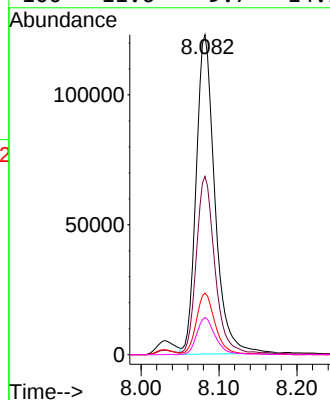
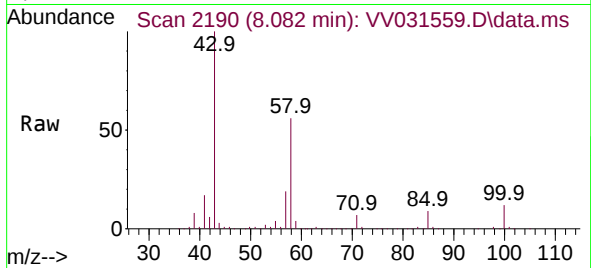


#48
2-Hexanone
Concen: 89.309 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

Tgt Ion: 43 Resp: 205500

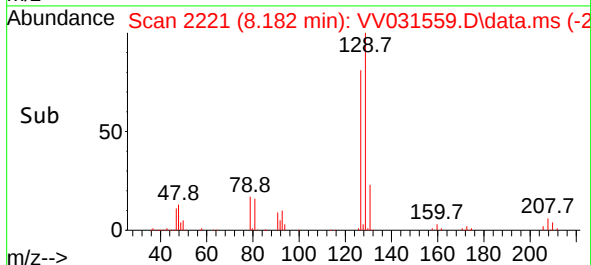
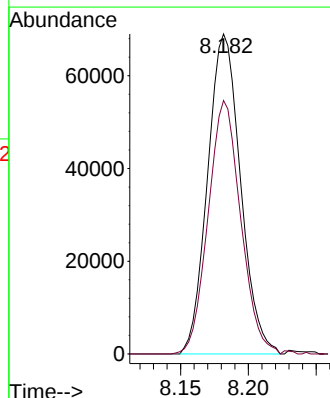
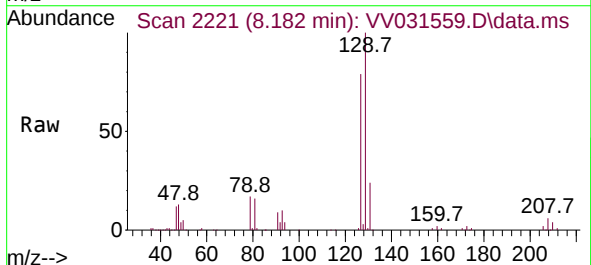
Ion	Ratio	Lower	Upper
43	100		
58	53.7	46.7	70.1
57	18.8	15.5	23.3
100	11.6	9.7	14.5

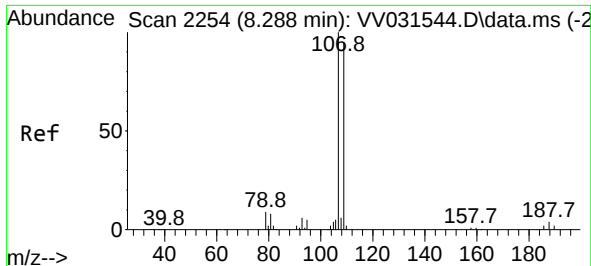


#49
Dibromochloromethane
Concen: 45.255 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion: 129 Resp: 116582

Ion	Ratio	Lower	Upper
129	100		
127	80.8	55.8	103.6

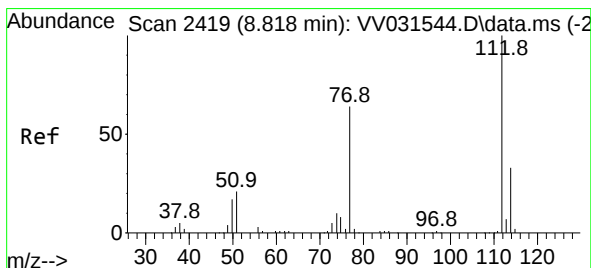
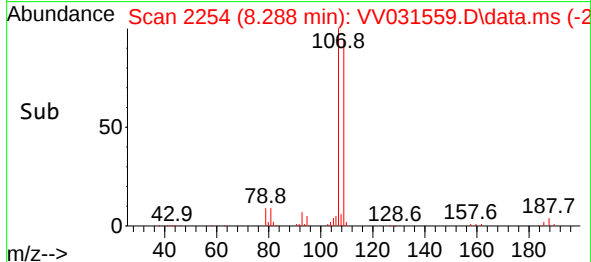
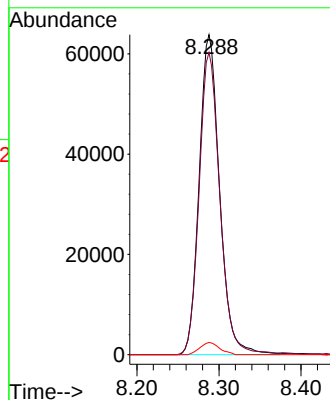
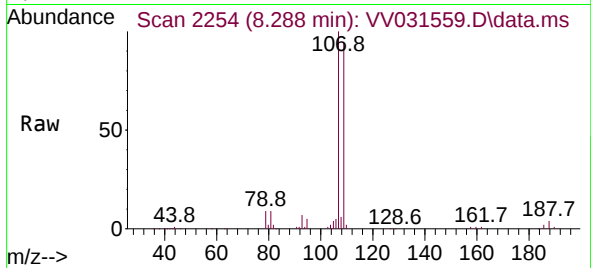




#50
1,2-Dibromoethane
Concen: 44.748 ug/L
RT: 8.288 min Scan# 211
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

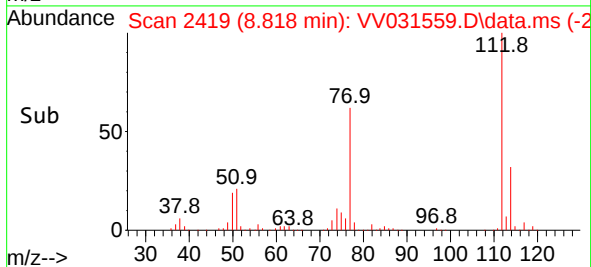
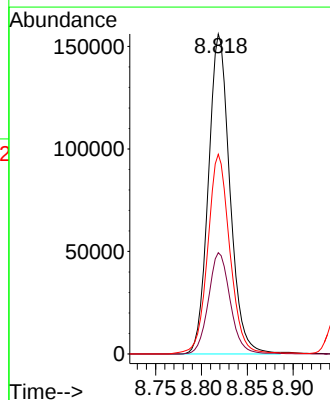
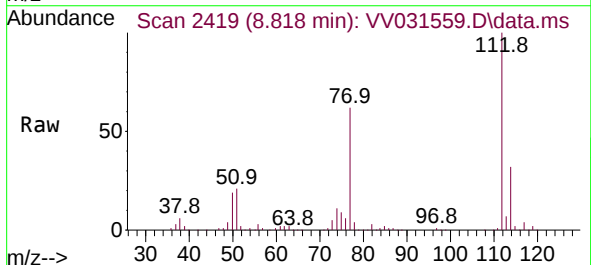
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

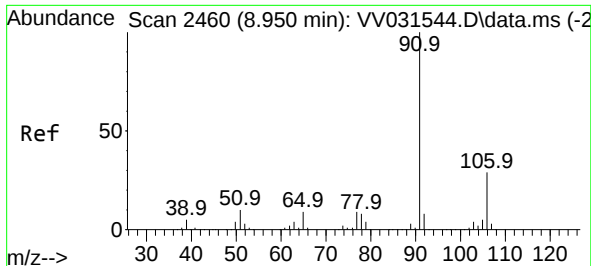
Tgt Ion:107 Resp: 110440
Ion Ratio Lower Upper
107 100
109 94.4 65.7 122.1
188 3.8 2.6 4.0



#51
Chlorobenzene
Concen: 44.369 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion:112 Resp: 254586
Ion Ratio Lower Upper
112 100
114 31.7 22.9 42.5
77 62.4 52.5 78.7





#52

Ethylbenzene

Concen: 45.695 ug/L

RT: 8.953 min Scan# 24

Delta R.T. 0.003 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

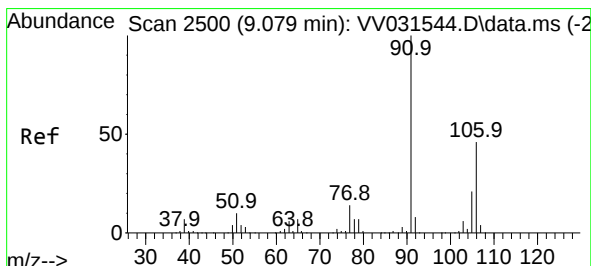
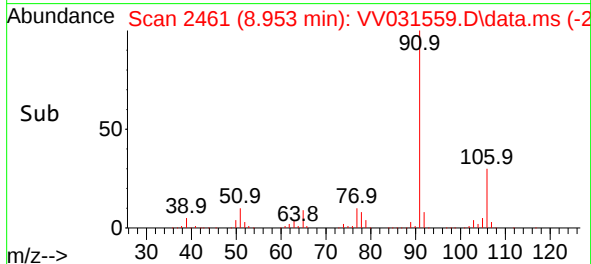
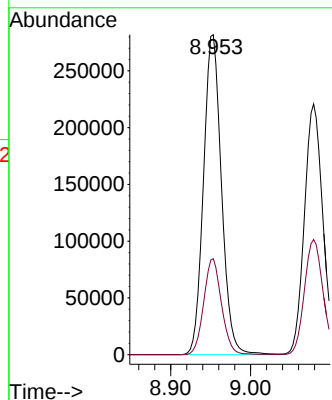
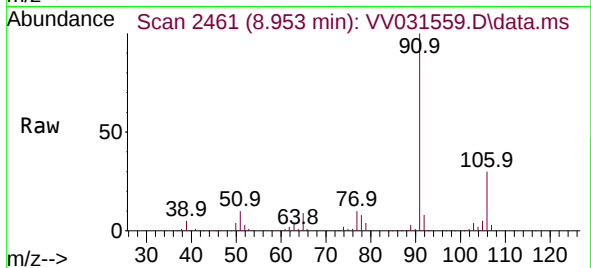
EXYW5MS

Tgt Ion: 91 Resp: 441742

Ion Ratio Lower Upper

91 100

106 30.0 20.8 38.6



#53

m,p-Xylene

Concen: 46.423 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031559.D

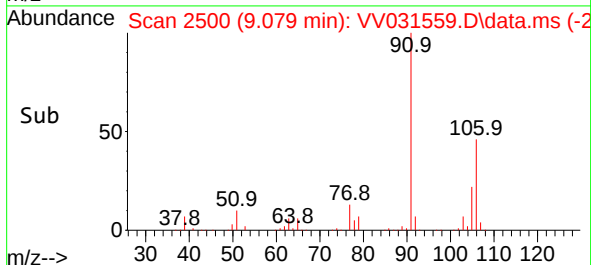
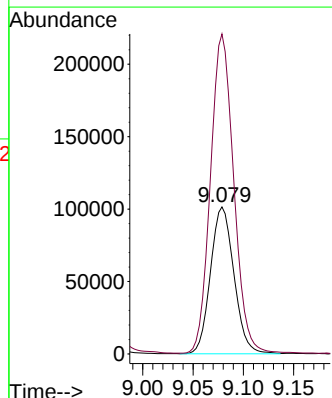
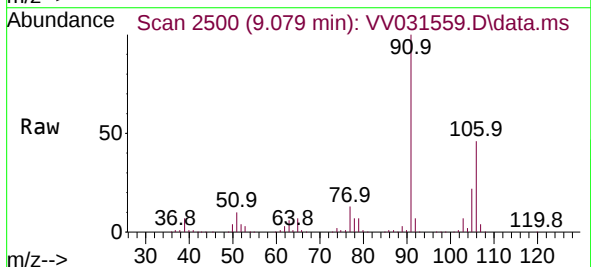
Acq: 16 Jun 2023 03:20

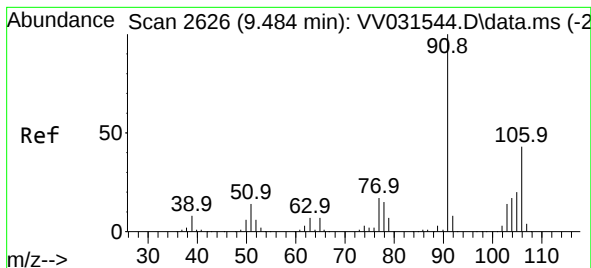
Tgt Ion:106 Resp: 164349

Ion Ratio Lower Upper

106 100

91 217.5 149.0 276.6





#54

o-Xylene

Concen: 46.119 ug/L

RT: 9.484 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

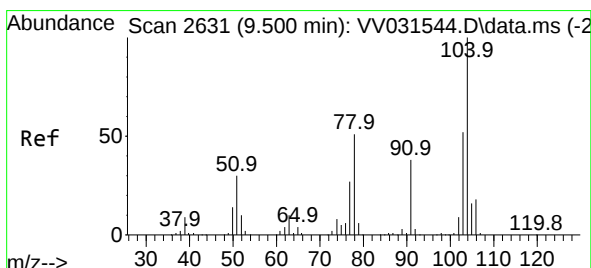
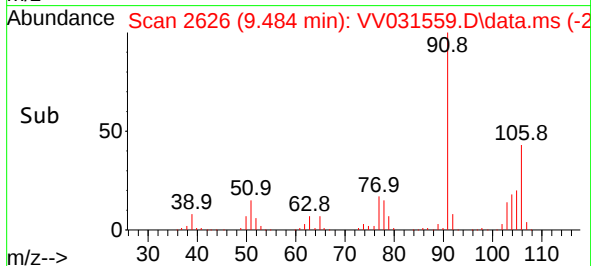
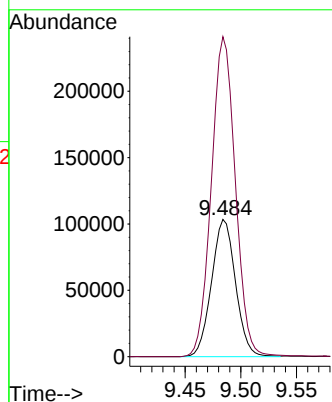
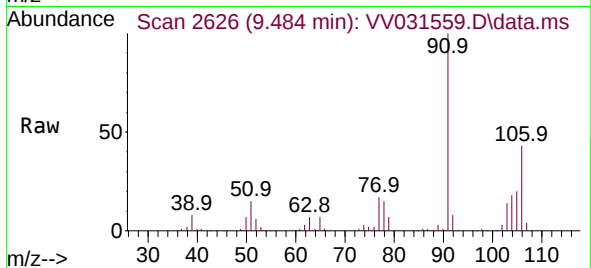
EXYW5MS

Tgt Ion:106 Resp: 154939

Ion Ratio Lower Upper

106 100

91 233.2 161.3 299.7



#55

Styrene

Concen: 48.617 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.000 min

Lab File: VV031559.D

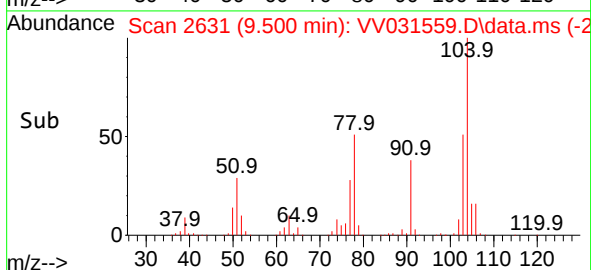
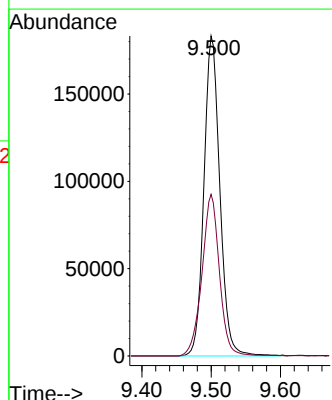
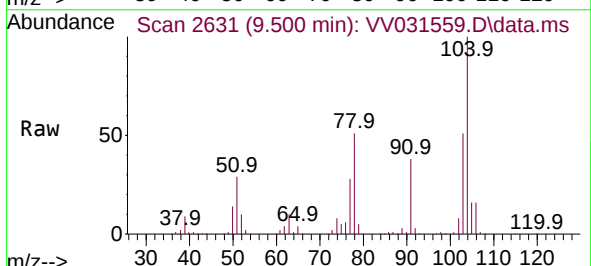
Acq: 16 Jun 2023 03:20

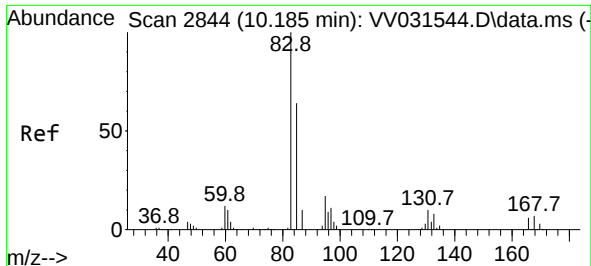
Tgt Ion:104 Resp: 291702

Ion Ratio Lower Upper

104 100

78 50.5 35.1 65.3





#57

1,1,2,2-Tetrachloroethane

Concen: 45.272 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. -0.003 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

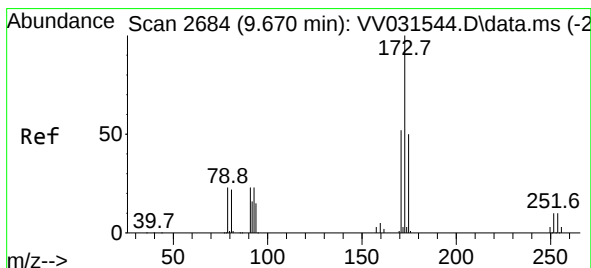
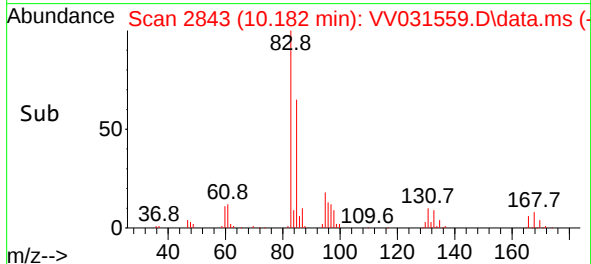
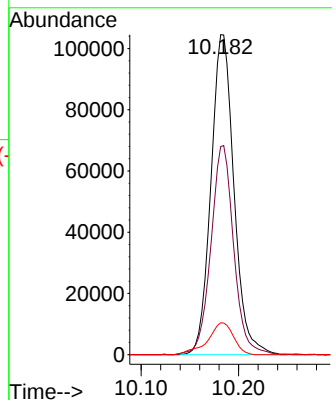
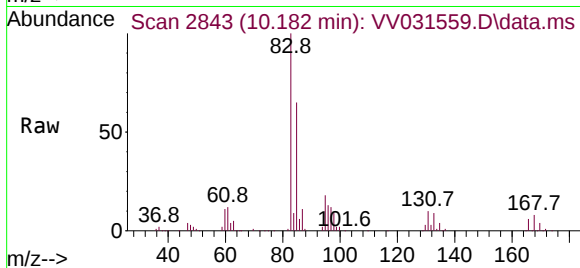
Tgt Ion: 83 Resp: 171453

Ion Ratio Lower Upper

83 100

85 65.0 43.1 80.1

131 13.4 10.6 16.0



#59

Bromoform

Concen: 47.816 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

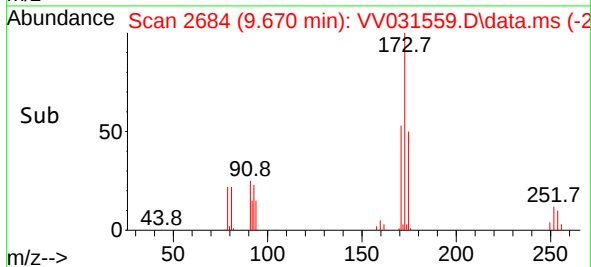
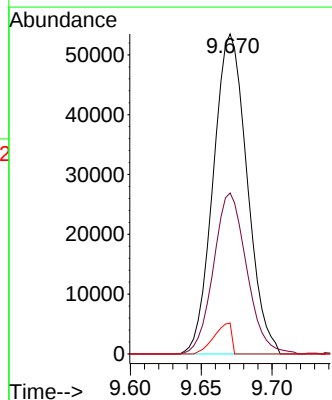
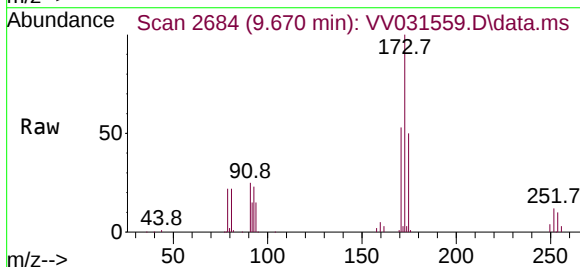
Tgt Ion:173 Resp: 88700

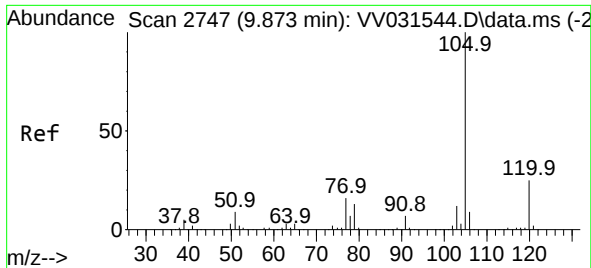
Ion Ratio Lower Upper

173 100

175 49.4 37.7 56.5

254 5.0 0.1 0.1#

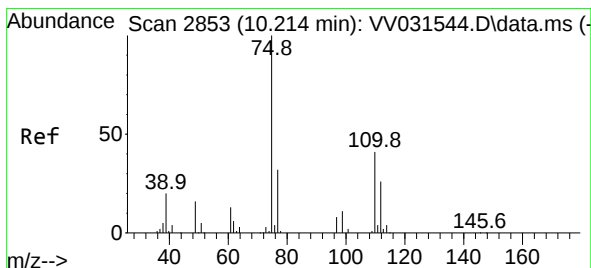
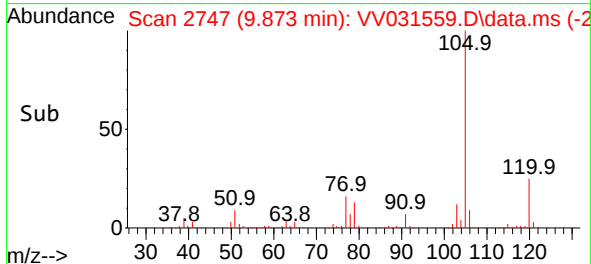
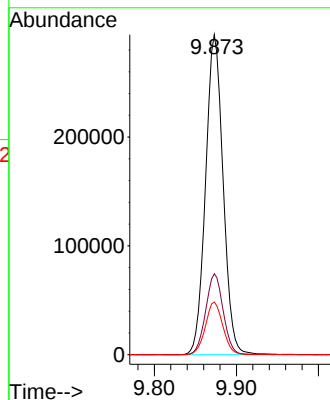
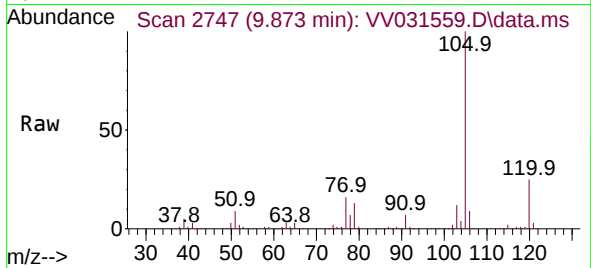




#60
Isopropylbenzene
Concen: 45.793 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

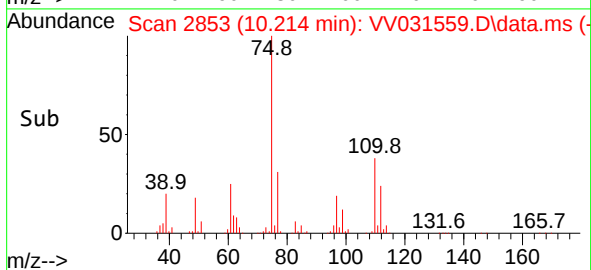
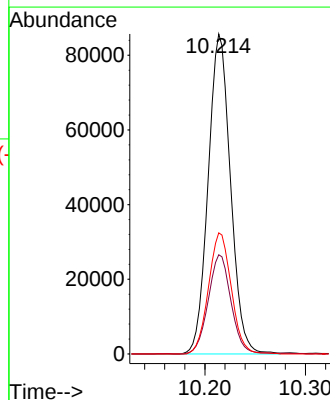
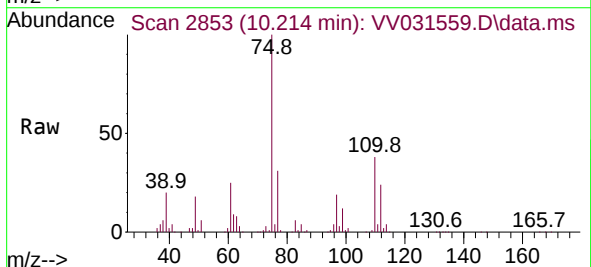
Instrument :
MSVOA_V
ClientSampleId :
EXYW5MS

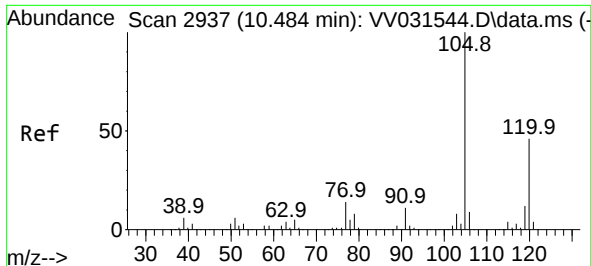
Tgt Ion:105 Resp: 436893
Ion Ratio Lower Upper
105 100
120 25.2 20.2 30.2
77 16.4 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 44.799 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031559.D
Acq: 16 Jun 2023 03:20

Tgt Ion: 75 Resp: 132416
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0
110 38.6 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 45.253 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

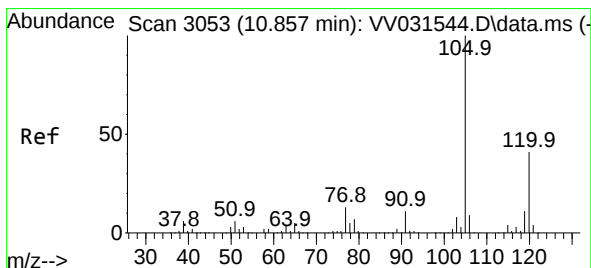
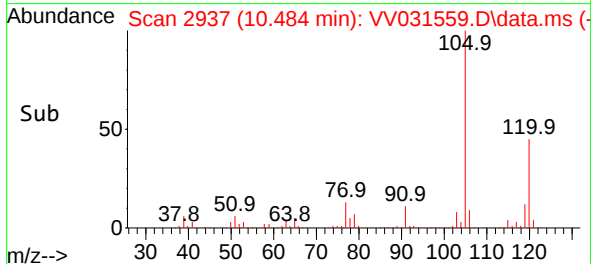
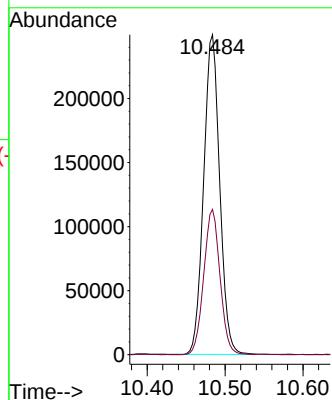
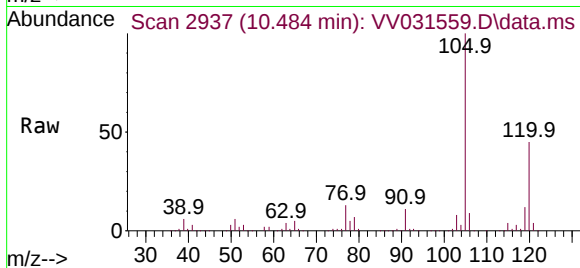
EXYW5MS

Tgt Ion:105 Resp: 356831

Ion Ratio Lower Upper

105 100

120 46.1 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 45.343 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031559.D

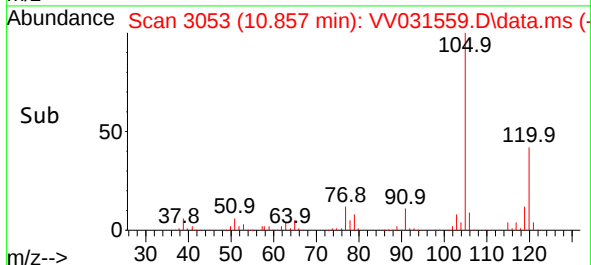
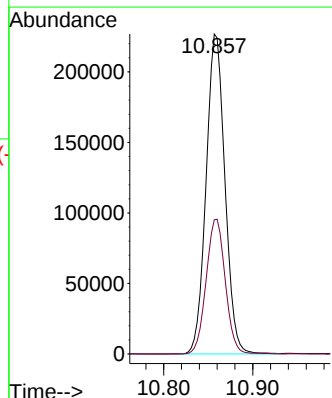
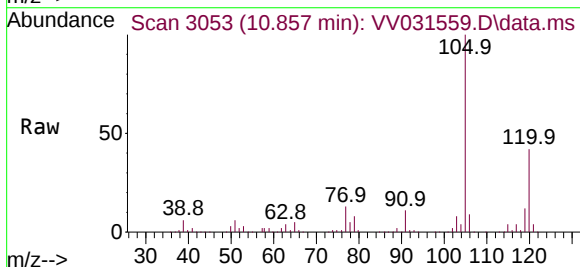
Acq: 16 Jun 2023 03:20

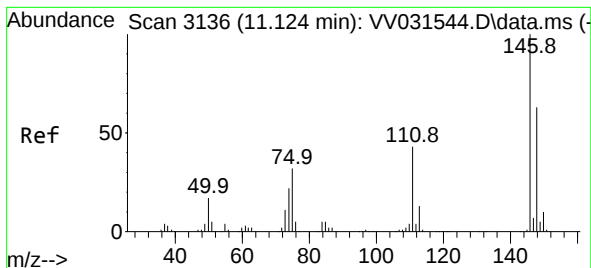
Tgt Ion:105 Resp: 333140

Ion Ratio Lower Upper

105 100

120 42.7 33.4 50.2





#64

1,3-Dichlorobenzene

Concen: 44.565 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

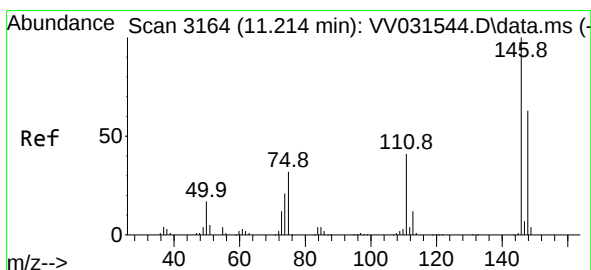
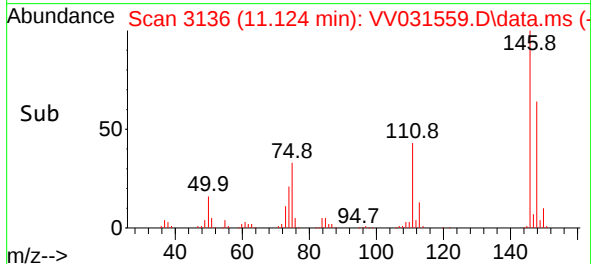
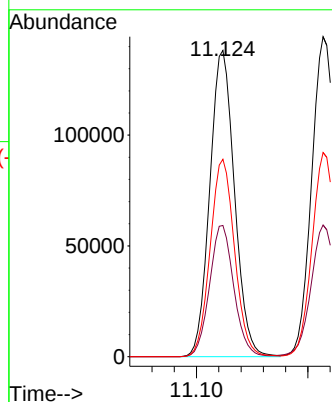
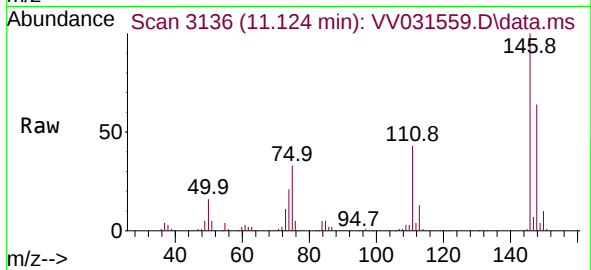
Tgt Ion:146 Resp: 213163

Ion Ratio Lower Upper

146 100

111 42.9 30.4 56.5

148 64.5 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 43.999 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

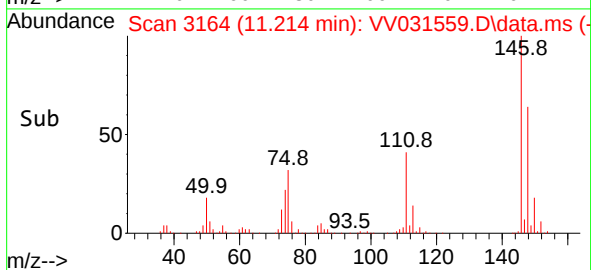
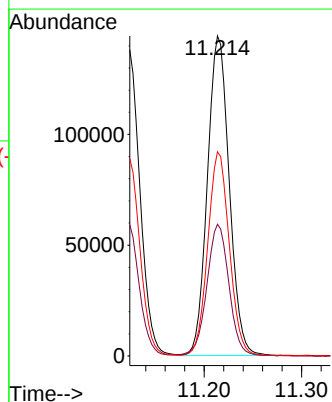
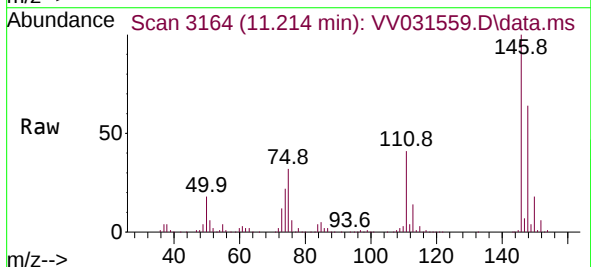
Tgt Ion:146 Resp: 224261

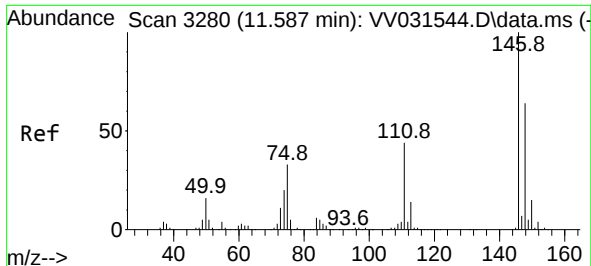
Ion Ratio Lower Upper

146 100

111 41.1 27.9 51.7

148 63.8 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 44.599 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

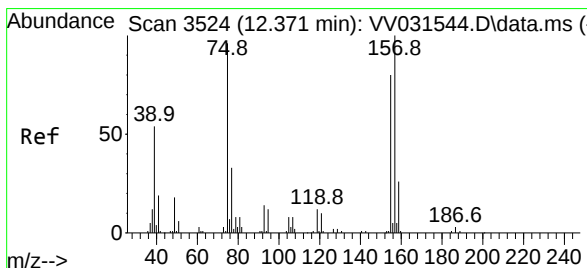
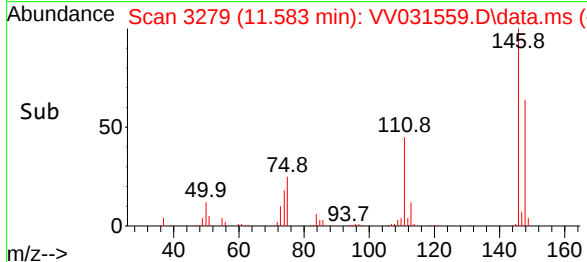
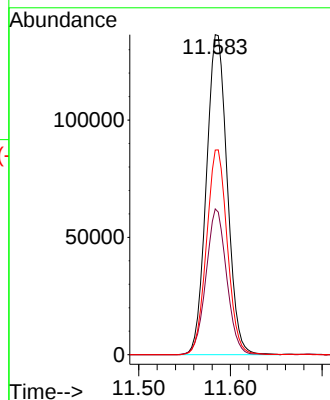
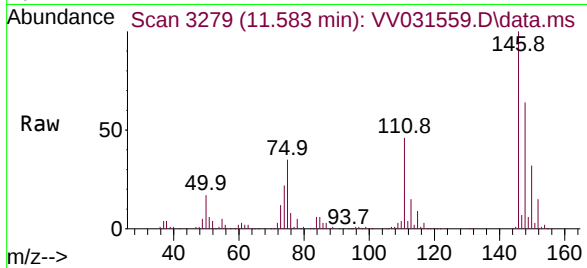
Tgt Ion:146 Resp: 215308

Ion Ratio Lower Upper

146 100

111 45.6 35.9 53.9

148 64.0 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 42.287 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

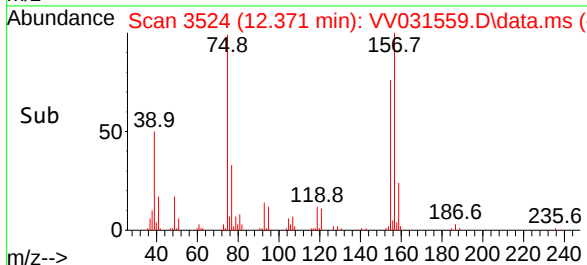
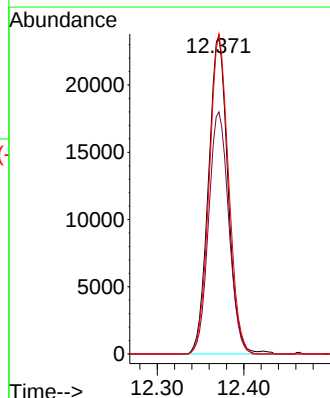
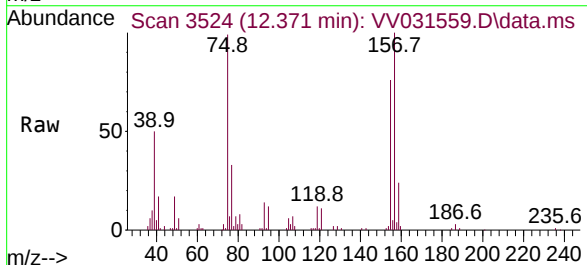
Tgt Ion: 75 Resp: 37098

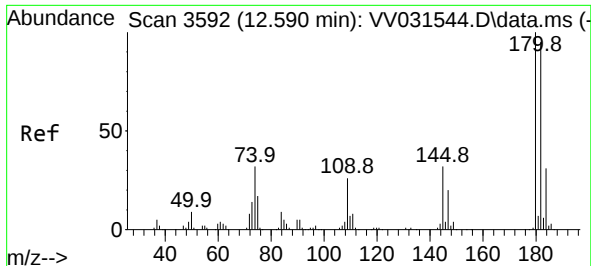
Ion Ratio Lower Upper

75 100

155 76.0 63.2 94.8

157 100.5 85.3 127.9





#69

1,3,5-Trichlorobenzene

Concen: 42.015 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

Tgt Ion:180 Resp: 153131

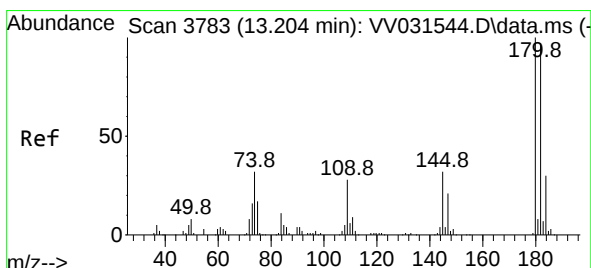
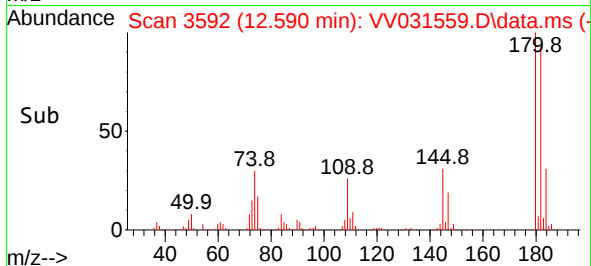
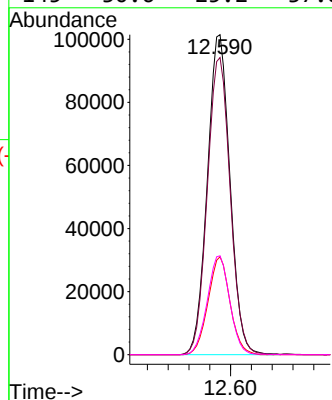
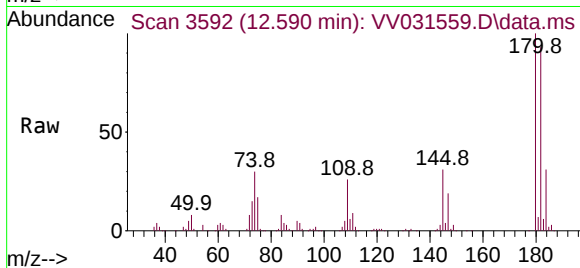
Ion Ratio Lower Upper

180 100

182 93.9 76.6 115.0

184 29.7 24.7 37.1

145 30.6 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 41.662 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

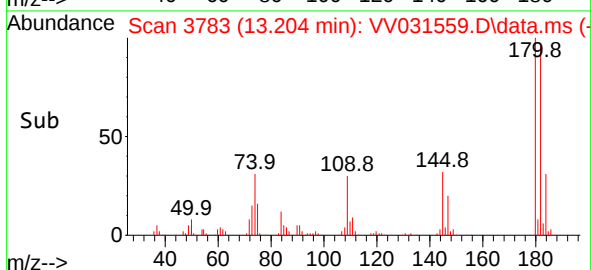
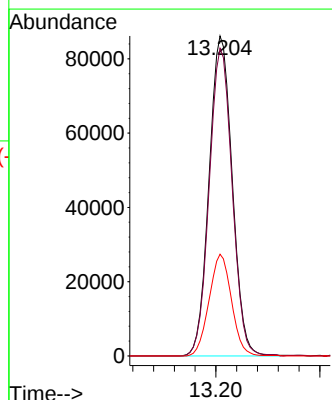
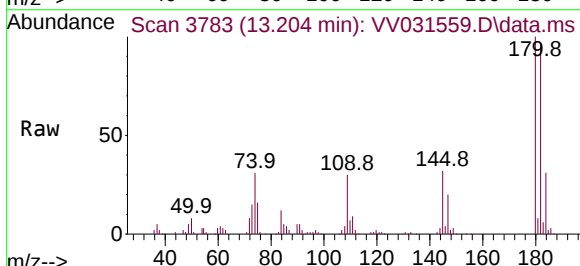
Tgt Ion:180 Resp: 133097

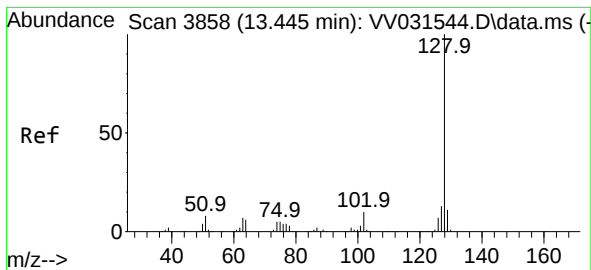
Ion Ratio Lower Upper

180 100

182 95.1 77.7 116.5

145 30.8 26.1 39.1





#71

Naphthalene

Concen: 41.744 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Instrument :

MSVOA_V

ClientSampleId :

EXYW5MS

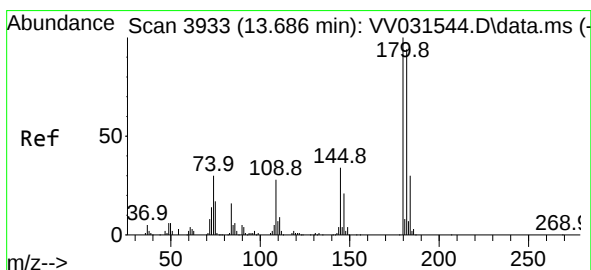
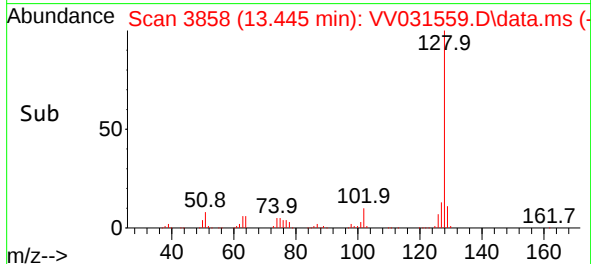
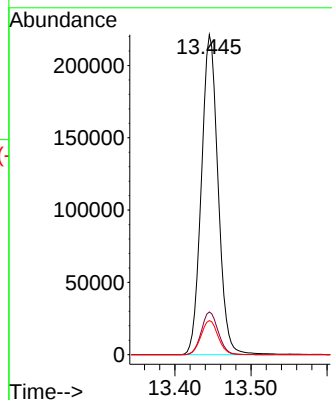
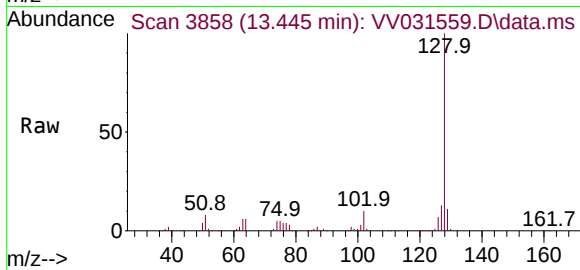
Tgt Ion:128 Resp: 337794

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 10.9 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 42.604 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031559.D

Acq: 16 Jun 2023 03:20

Tgt Ion:180 Resp: 141439

Ion Ratio Lower Upper

180 100

182 94.5 74.0 111.0

145 33.6 26.2 39.2

