

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Quant Time: Apr 19 06:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.548	114	323116	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	293155	50.000	ug/L	# 0.06
58) 1,4-Dichlorobenzene-d4	11.242	152	245481	50.000	ug/L	# 0.05
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	74747	31.556	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.120%
7) Chloroethane-d5	1.535	69	63660	32.071	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.140%#
11) 1,1-Dichloroethene-d2	2.063	65	35200	31.336	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.680%
21) 2-Butanone-d5	4.008	46	129	0.099	ug/L	0.21
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.100%#
24) Chloroform-d	4.262	84	232365	54.131	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.260%
26) 1,2-Dichloroethane-d4	4.976	65	40663	14.734	ug/L	0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	29.460%#
32) Benzene-d6	5.018	84	222257	32.067	ug/L	0.05
Spiked Amount	50.000	Range	70 - 125	Recovery	=	64.140%#
36) 1,2-Dichloropropane-d6	6.001	67	98951	45.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	7.259	98	264560	40.654	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.300%
43) trans-1,3-Dichloroprop...	7.564	79	46544	42.893	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.780%
47) 2-Hexanone-d5	8.040	63	60902	71.807	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.810%
56) 1,1,2,2-Tetrachloroeth...	10.169	84	160104	51.249	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.500%
66) 1,2-Dichlorobenzene-d4	11.622	152	178658	45.788	ug/L	0.05
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.580%
Target Compounds						
					Qvalue	
13) Acetone	2.117	43	265355	131.807	ug/L	98
14) Carbon disulfide	2.249	76	7153	1.119	ug/L	96
16) Methylene chloride	2.455	84	109569	42.319	ug/L	96
22) 2-Butanone	3.899	43	12336	5.929	ug/L	# 73
25) Chloroform	4.285	83	1625174	337.178	ug/L	99
27) 1,2-Dichloroethane	5.072	62	2143889	525.451	ug/L	# 77
29) Cyclohexane	4.600	56	35064	9.967	ug/L	98
31) Carbon tetrachloride	4.754	117	100566	27.306	ug/L	98
34) Trichloroethene	5.850	95	5339	2.306	ug/L	96
35) Methylcyclohexane	6.056	83	5873	1.619	ug/L	# 81
42) Toluene	7.333	91	55915	5.864	ug/L	98
44) trans-1,3-Dichloropropene	7.564	75	2672	0.756	ug/L	# 72
46) Tetrachloroethene	7.918	164	1964	0.969	ug/L	93
64) 1,3-Dichlorobenzene	11.146	146	8973561	1170.744	ug/L	97
65) 1,4-Dichlorobenzene	11.146	146	8973561	1110.243	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.348	75	33643	25.827	ug/L	# 6
69) 1,3,5-Trichlorobenzene	13.217	180	5458970	942.817	ug/L	99
70) 1,2,4-trichlorobenzene	13.217	180	5458970	1110.428	ug/L	99
72) 1,2,3-Trichlorobenzene	13.692	180	1160677	238.097	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
Response via : Initial Calibration

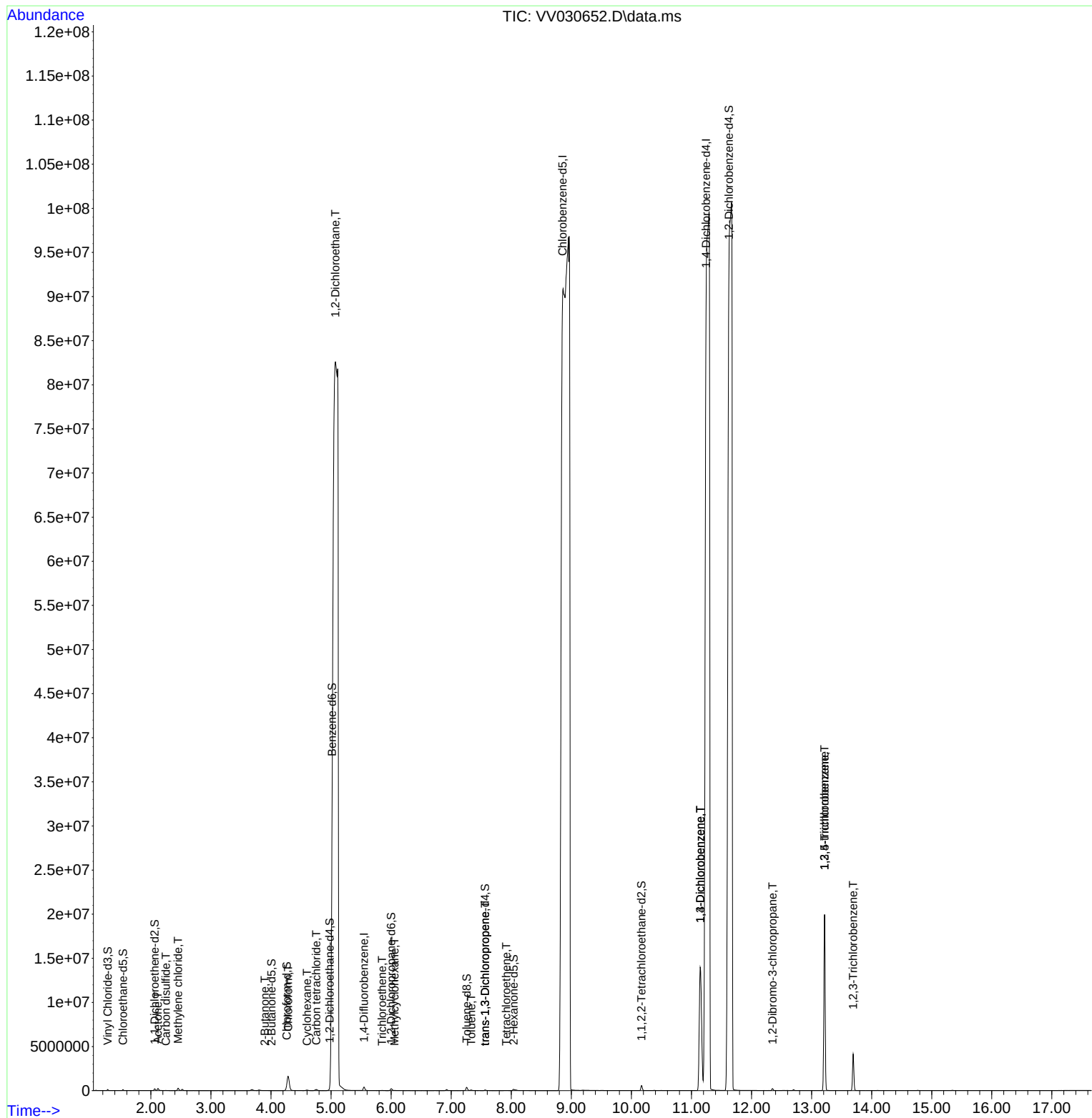
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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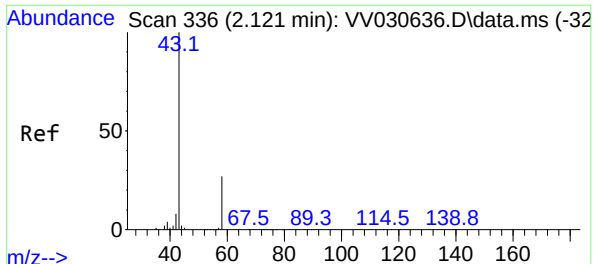
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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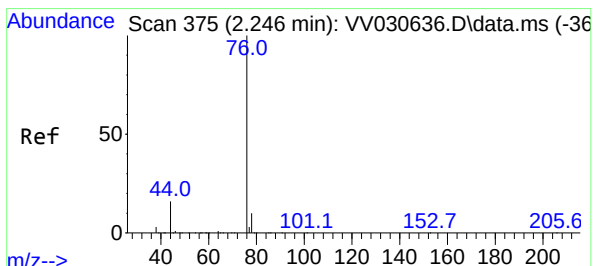
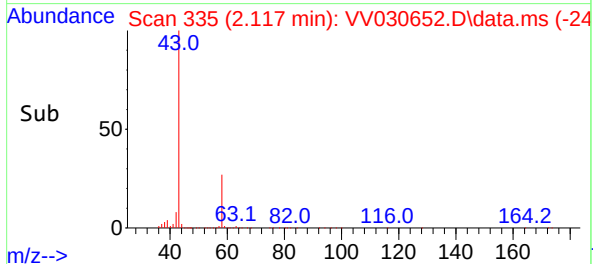
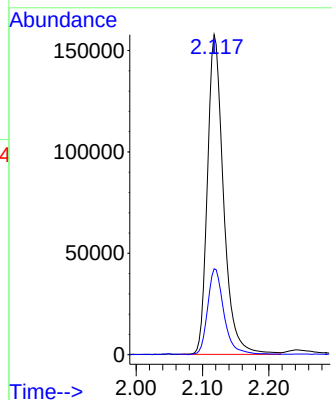
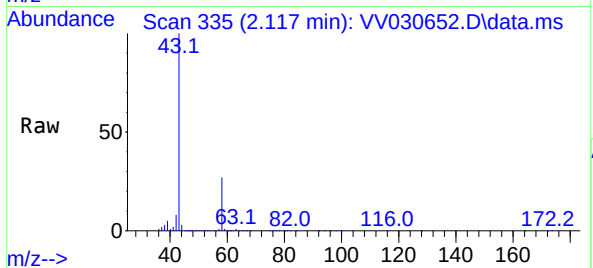




#13
Acetone
Concen: 131.807 ug/L
RT: 2.117 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

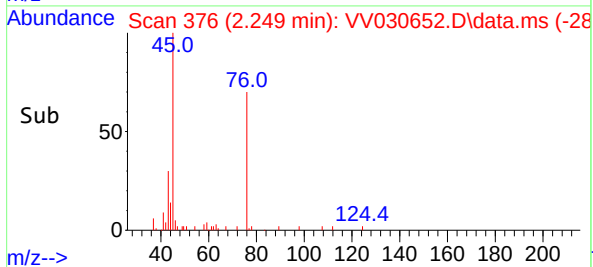
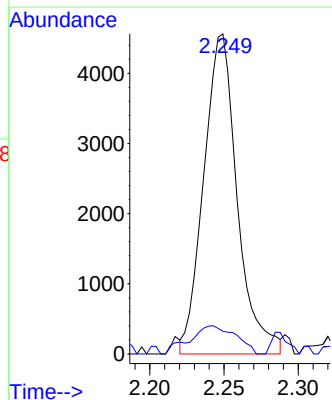
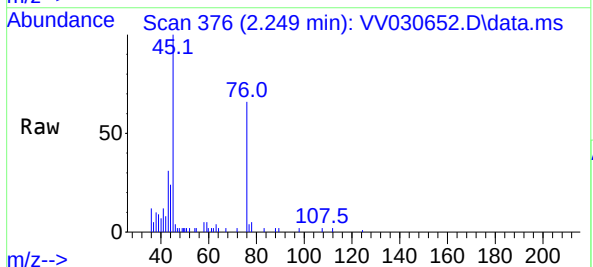
Instrument :
MSVOA_V
ClientSampleId :
COMP3

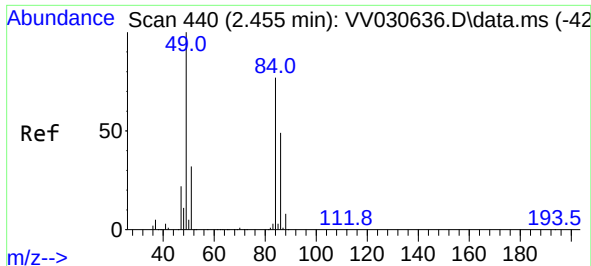
Tgt Ion: 43 Resp: 265355
Ion Ratio Lower Upper
43 100
58 27.5 0.0 52.8



#14
Carbon disulfide
Concen: 1.119 ug/L
RT: 2.249 min Scan# 376
Delta R.T. 0.003 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Tgt Ion: 76 Resp: 7153
Ion Ratio Lower Upper
76 100
78 7.1 7.0 10.4

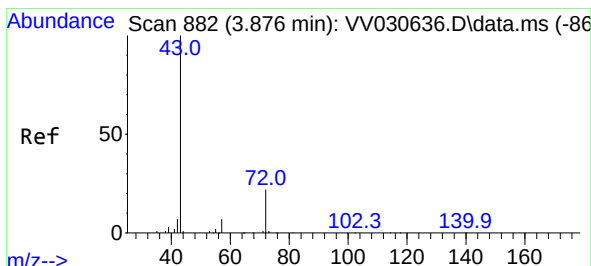
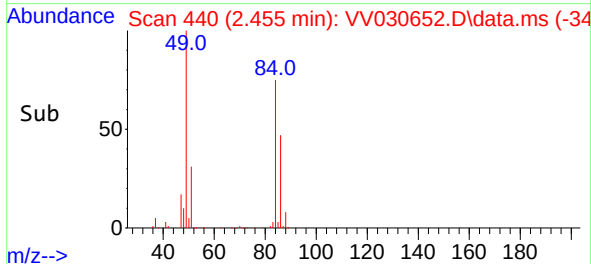
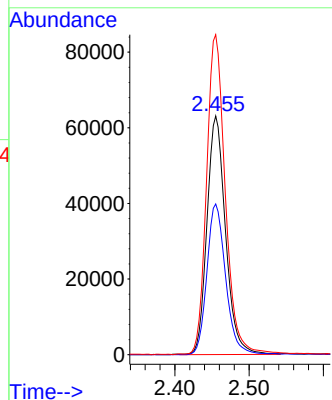
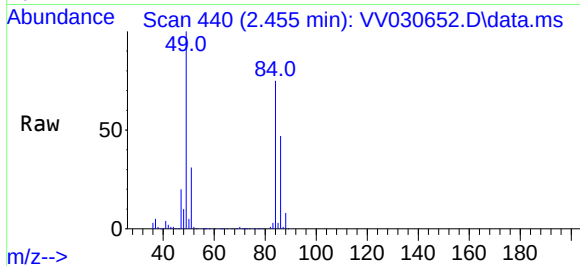




#16
Methylene chloride
Concen: 42.319 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

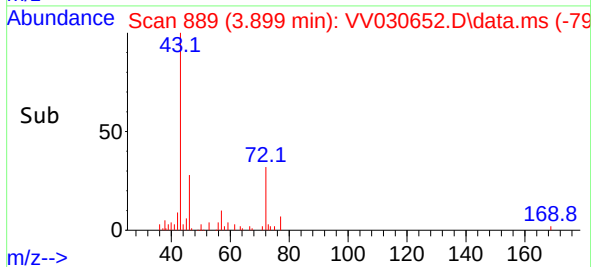
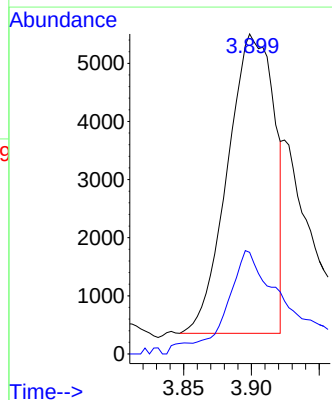
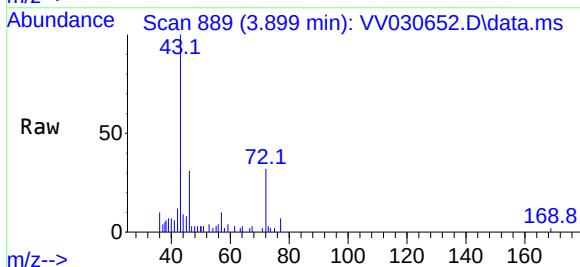
Instrument :
MSVOA_V
ClientSampleId :
COMP3

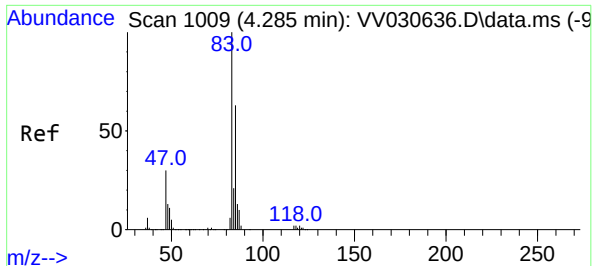
Tgt Ion: 84 Resp: 109569
Ion Ratio Lower Upper
84 100
86 63.1 45.4 84.2
49 134.1 90.4 168.0



#22
2-Butanone
Concen: 5.929 ug/L
RT: 3.899 min Scan# 889
Delta R.T. 0.016 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Tgt Ion: 43 Resp: 12336
Ion Ratio Lower Upper
43 100
72 36.0 11.5 34.4#

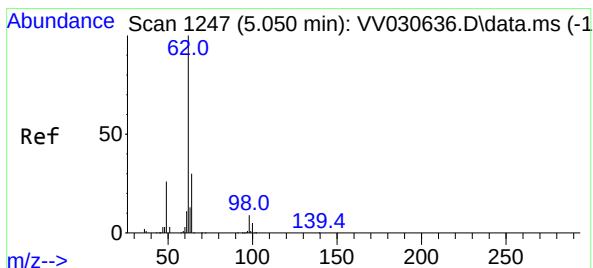
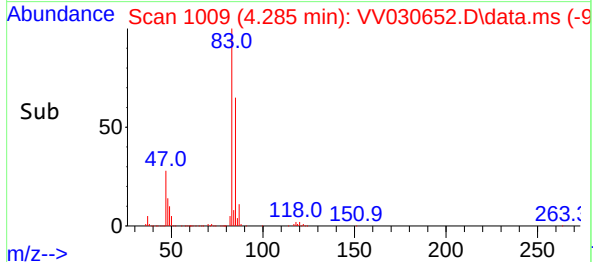
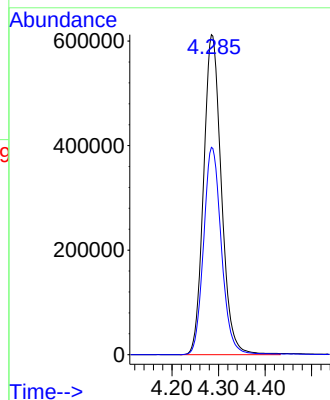
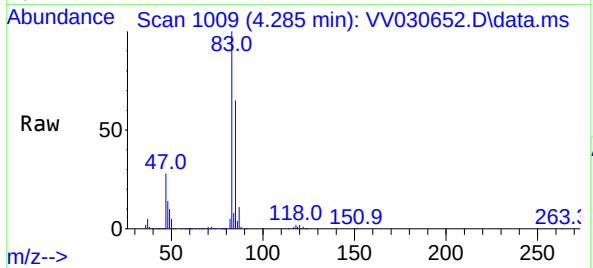




#25
Chloroform
Concen: 337.178 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

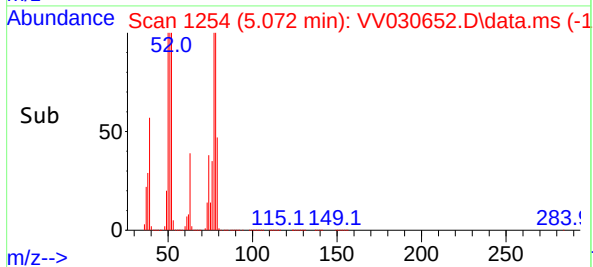
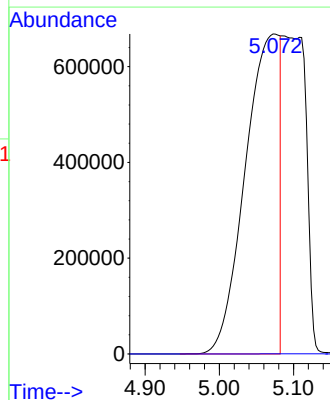
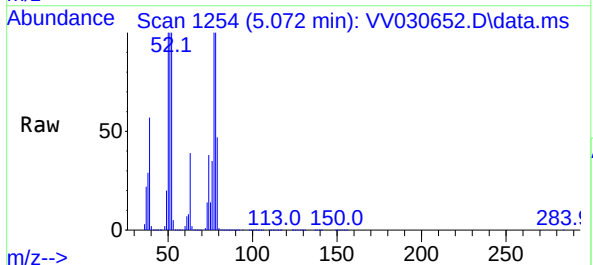
Instrument :
MSVOA_V
ClientSampleId :
COMP3

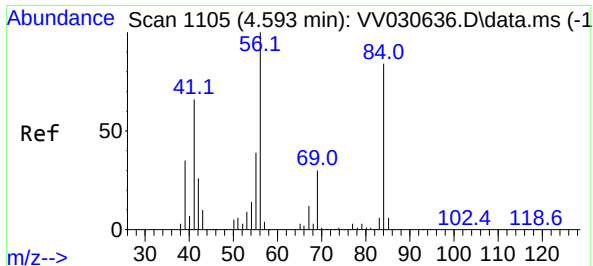
Tgt Ion: 83 Resp: 1625174
Ion Ratio Lower Upper
83 100
85 64.8 45.8 85.2



#27
1,2-Dichloroethane
Concen: 525.451 ug/L
RT: 5.072 min Scan# 1254
Delta R.T. 0.026 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Tgt Ion: 62 Resp: 2143889
Ion Ratio Lower Upper
62 100
98 0.0 6.4 9.6#





#29

Cyclohexane

Concen: 9.967 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

Instrument :

MSVOA_V

ClientSampleId :

COMP3

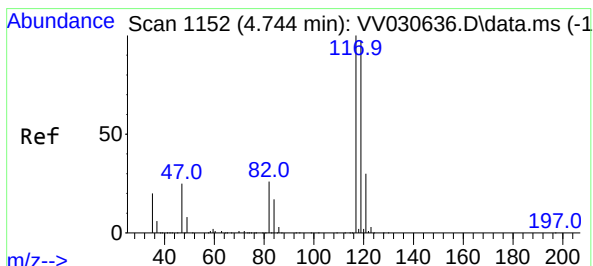
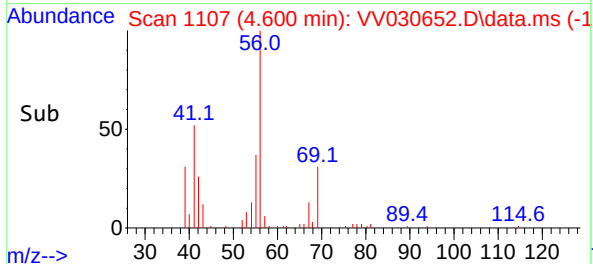
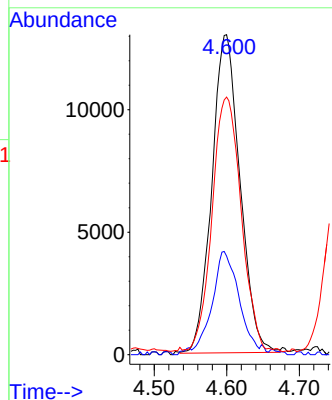
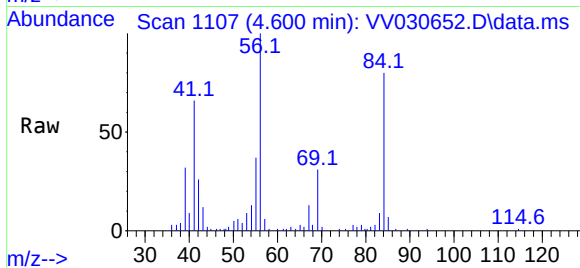
Tgt Ion: 56 Resp: 35064

Ion Ratio Lower Upper

56 100

69 30.8 24.0 36.0

84 83.8 68.2 102.2



#31

Carbon tetrachloride

Concen: 27.306 ug/L

RT: 4.754 min Scan# 1155

Delta R.T. 0.010 min

Lab File: VV030652.D

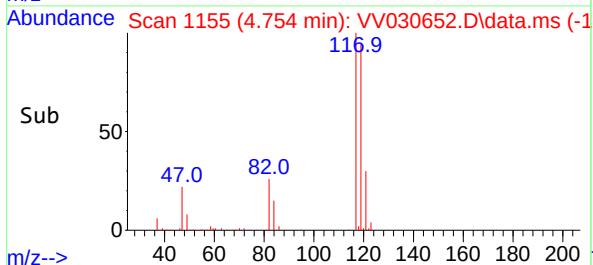
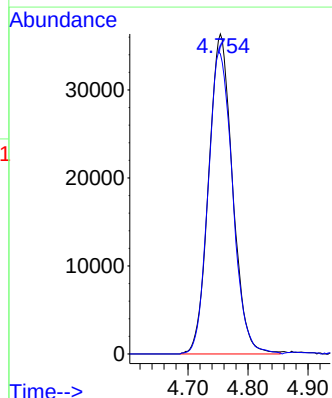
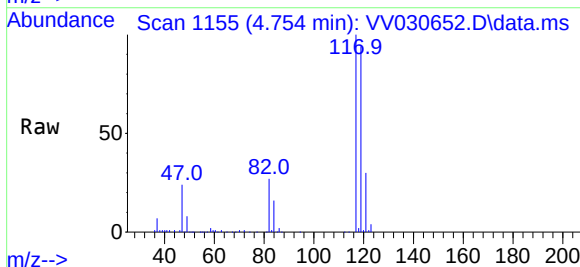
Acq: 19 Apr 2023 05:26

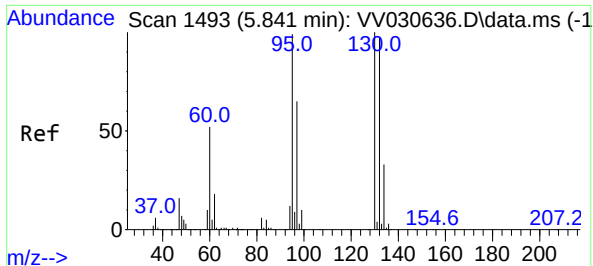
Tgt Ion: 117 Resp: 100566

Ion Ratio Lower Upper

117 100

119 96.7 75.9 113.9



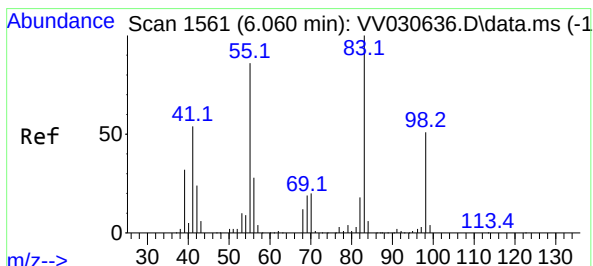
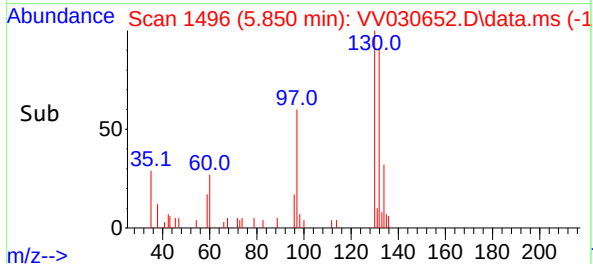
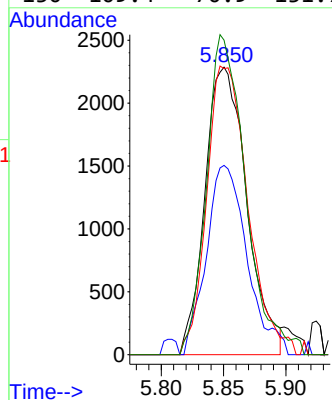
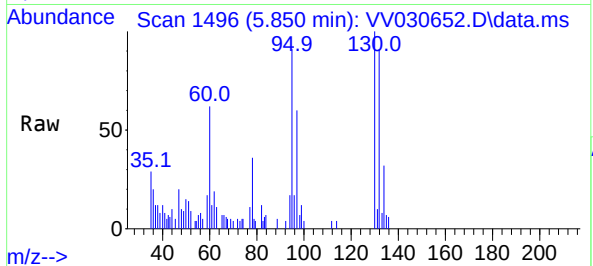


#34
 Trichloroethene
 Concen: 2.306 ug/L
 RT: 5.850 min Scan# 1493
 Delta R.T. 0.010 min
 Lab File: VV030652.D
 Acq: 19 Apr 2023 05:26

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Tgt Ion: 95 Resp: 5339

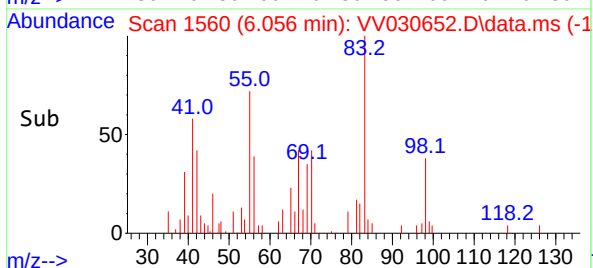
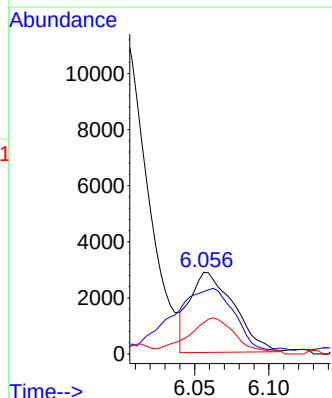
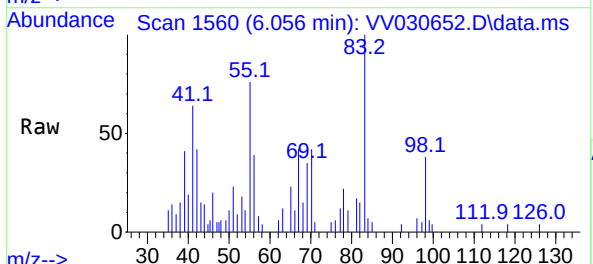
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.8	85.2
132	99.5	70.6	131.2
130	109.4	70.9	131.7

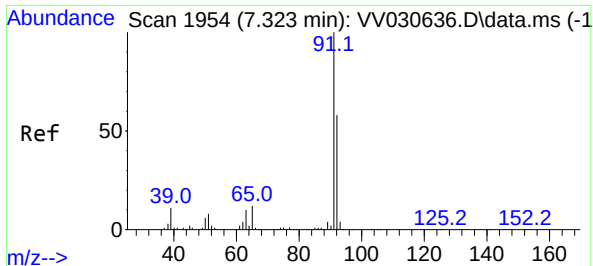


#35
 Methylcyclohexane
 Concen: 1.619 ug/L
 RT: 6.056 min Scan# 1560
 Delta R.T. -0.003 min
 Lab File: VV030652.D
 Acq: 19 Apr 2023 05:26

Tgt Ion: 83 Resp: 5873

Ion	Ratio	Lower	Upper
83	100		
55	108.7	65.5	98.3
98	48.4	38.7	58.1





#42

Toluene

Concen: 5.864 ug/L

RT: 7.333 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

Instrument :

MSVOA_V

ClientSampleId :

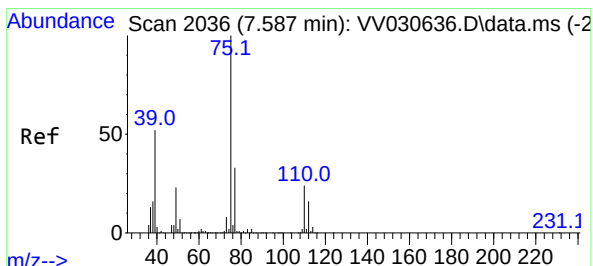
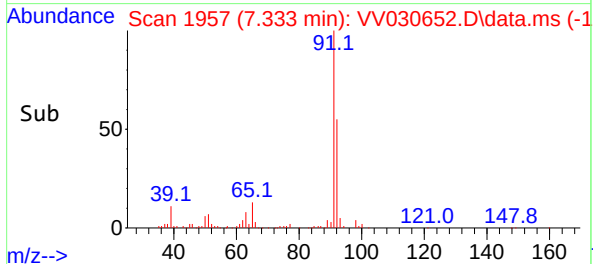
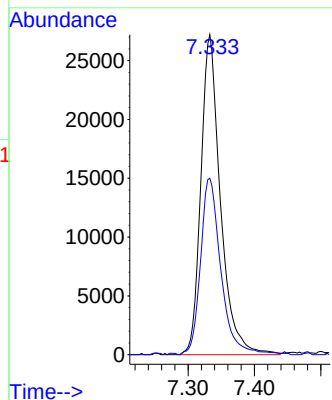
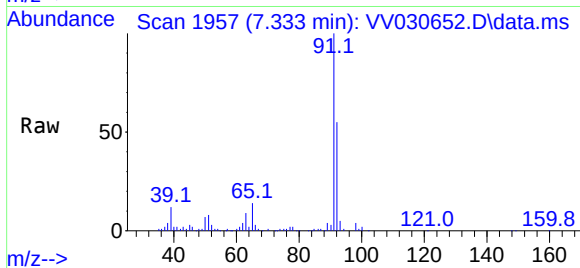
COMP3

Tgt Ion: 91 Resp: 55915

Ion Ratio Lower Upper

91 100

92 55.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 0.756 ug/L

RT: 7.564 min Scan# 2029

Delta R.T. -0.023 min

Lab File: VV030652.D

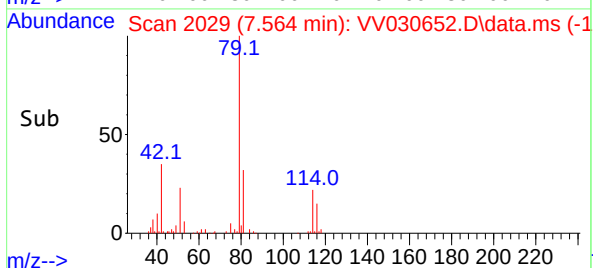
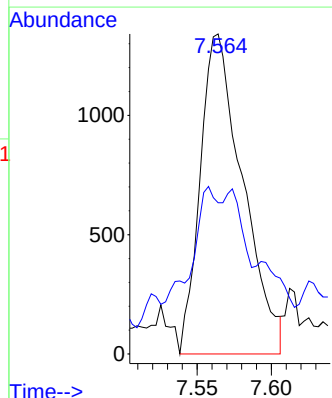
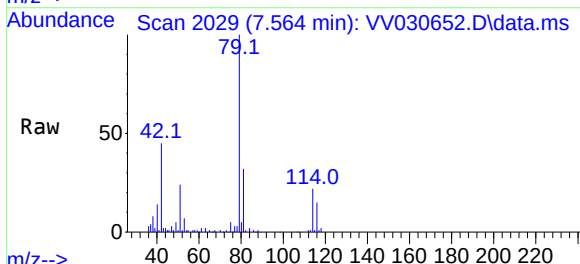
Acq: 19 Apr 2023 05:26

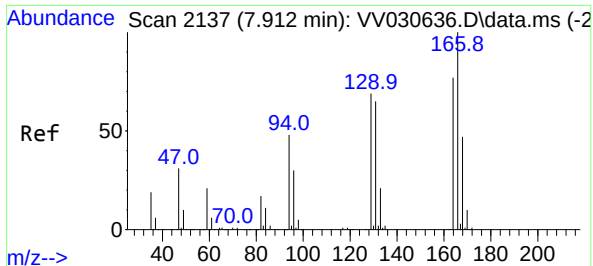
Tgt Ion: 75 Resp: 2672

Ion Ratio Lower Upper

75 100

77 47.3 22.1 41.1#





#46

Tetrachloroethene

Concen: 0.969 ug/L

RT: 7.918 min Scan# 2137

Delta R.T. 0.006 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

Instrument :

MSVOA_V

ClientSampleId :

COMP3

Tgt Ion:164 Resp: 1964

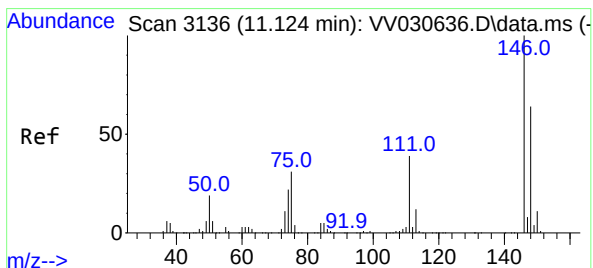
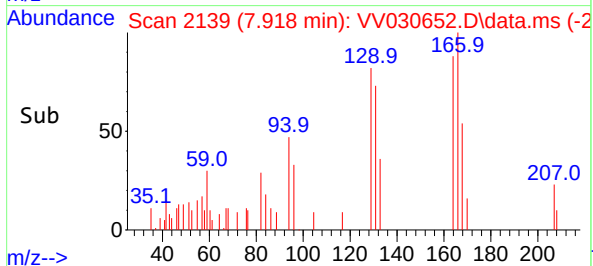
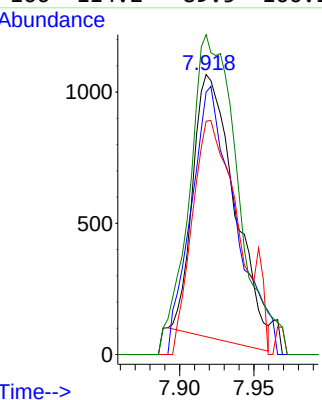
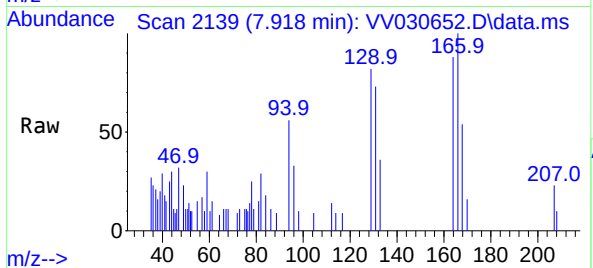
Ion Ratio Lower Upper

164 100

129 93.7 63.8 118.6

131 83.3 60.3 111.9

166 114.2 89.5 166.1



#64

1,3-Dichlorobenzene

Concen: 1170.744 ug/L

RT: 11.146 min Scan# 3143

Delta R.T. 0.022 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

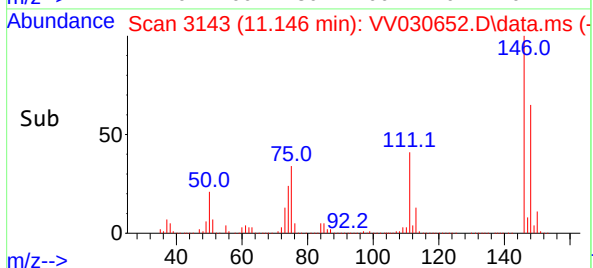
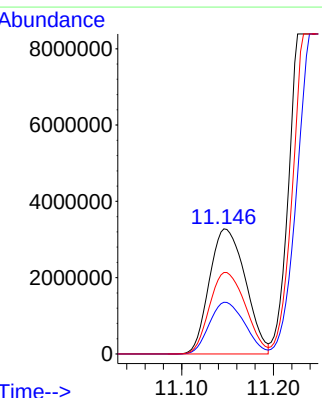
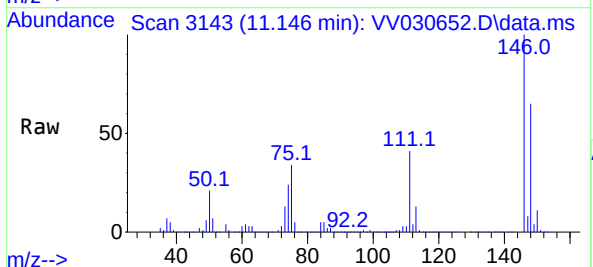
Tgt Ion:146 Resp: 8973561

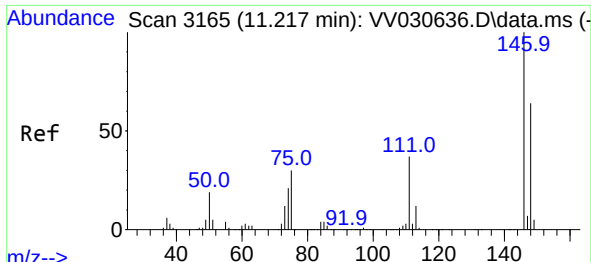
Ion Ratio Lower Upper

146 100

111 41.3 27.0 50.2

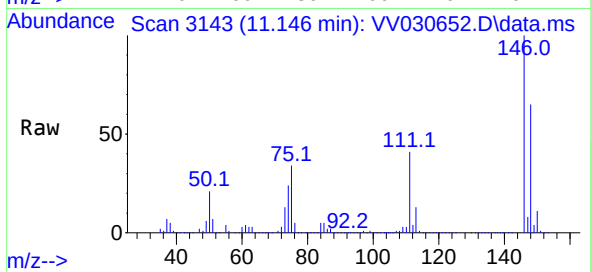
148 65.1 44.8 83.2



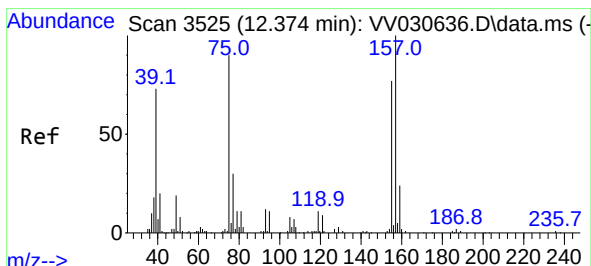
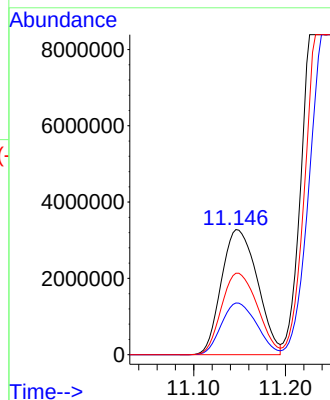
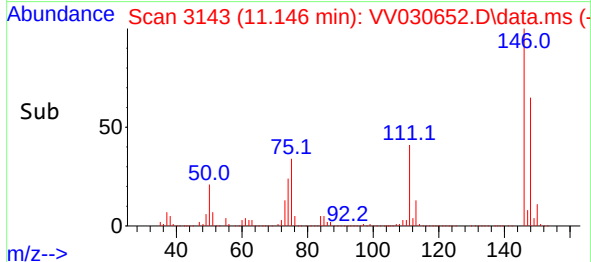


#65
1,4-Dichlorobenzene
Concen: 1110.243 ug/L
RT: 11.146 min Scan# 3165
Delta R.T. -0.071 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Instrument :
MSVOA_V
ClientSampleId :
COMP3

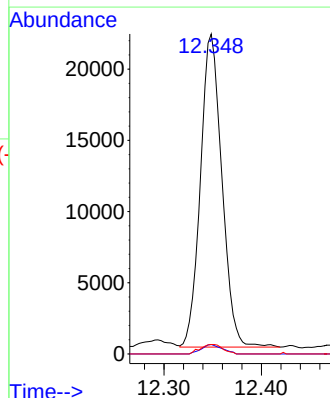
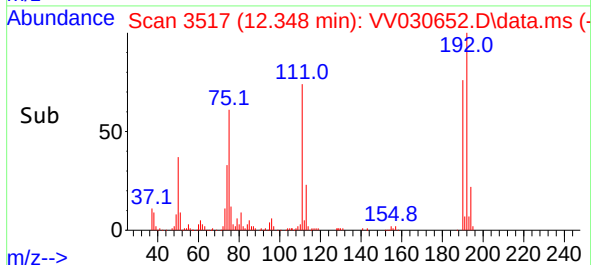
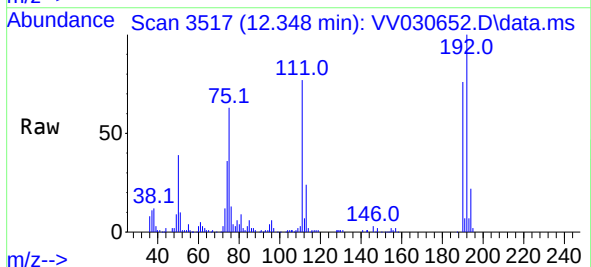


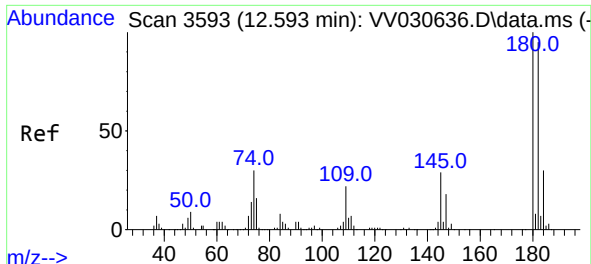
Tgt Ion:146 Resp: 8973561
Ion Ratio Lower Upper
146 100
111 41.3 26.5 49.1
148 65.1 44.7 83.1



#68
1,2-Dibromo-3-chloropropane
Concen: 25.827 ug/L
RT: 12.348 min Scan# 3517
Delta R.T. -0.026 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Tgt Ion: 75 Resp: 33643
Ion Ratio Lower Upper
75 100
155 3.8 65.0 97.6#
157 2.9 84.4 126.6#

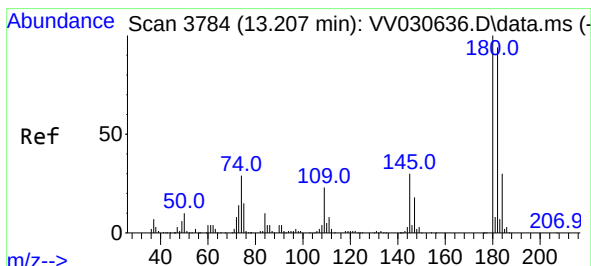
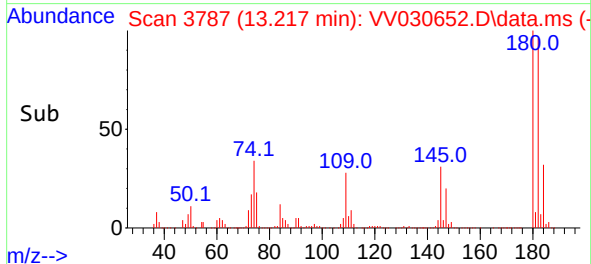
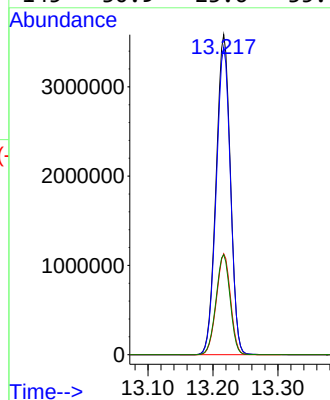
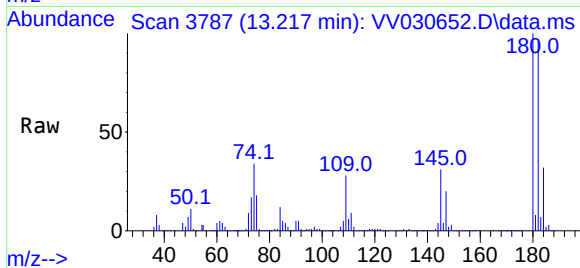




#69
 1,3,5-Trichlorobenzene
 Concen: 942.817 ug/L
 RT: 13.217 min Scan# 3787
 Delta R.T. 0.624 min
 Lab File: VV030652.D
 Acq: 19 Apr 2023 05:26

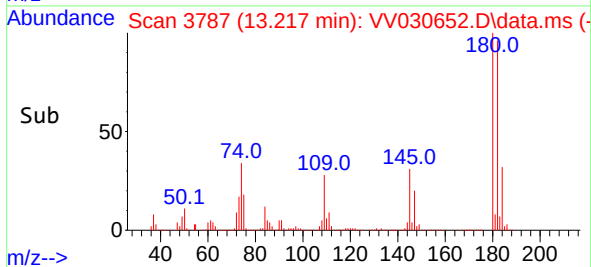
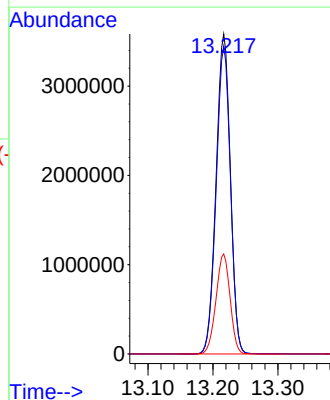
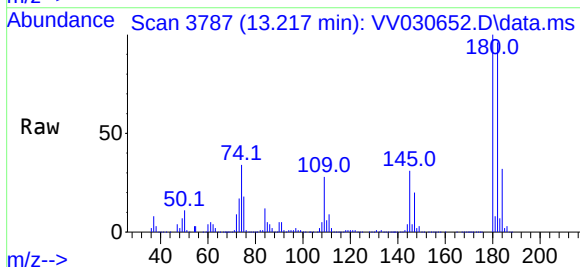
Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

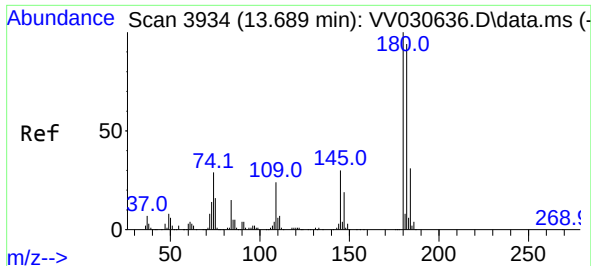
Tgt Ion:180 Resp: 5458970
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 184 31.2 24.1 36.1
 145 30.9 23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 1110.428 ug/L
 RT: 13.217 min Scan# 3787
 Delta R.T. 0.010 min
 Lab File: VV030652.D
 Acq: 19 Apr 2023 05:26

Tgt Ion:180 Resp: 5458970
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.9 113.9
 145 30.9 23.4 35.2





#72

1,2,3-Trichlorobenzene

Concen: 238.097 ug/L

RT: 13.692 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030652.D

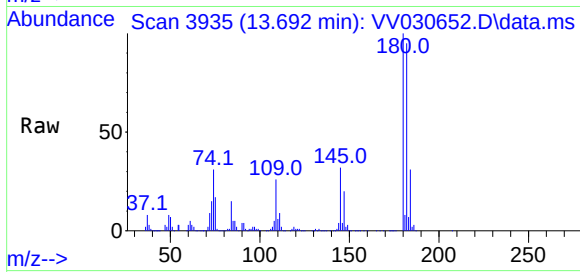
Acq: 19 Apr 2023 05:26

Instrument :

MSVOA_V

ClientSampleId :

COMP3



Tgt Ion:180 Resp: 1160677

Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

145 31.6 25.1 37.7

