

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031723\
 Data File : VW030236.D
 Acq On : 17 Mar 2023 15:25
 Operator : SY/MD
 Sample : 01996-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 17 22:58:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 17 22:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	128145	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	115704	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	58714	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	33719	4.067	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.400%
7) Chloroethane-d5	1.539	69	32009	4.113	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.076	63	692296	40.612	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	812.200%#
20) 2-Butanone-d5	3.809	46	80662	52.764	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.520%
24) Chloroform-d	4.262	84	76025	4.489	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
26) 1,2-Dichloroethane-d4	4.953	65	37252	5.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	4.973	84	133040	4.273	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	5.998	67	41260	4.405	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.200%
41) Toluene-d8	7.252	98	113425	3.843	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.800%
43) trans-1,3-Dichloroprop...	7.564	79	14610	4.559	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.034	63	65566	49.457	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.920%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	28447	4.269	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	11.570	152	44193	4.449	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	3198	0.195	ug/L	99
6) Bromomethane	1.490	94	302	0.154	ug/L	79
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	3486	0.359	ug/L #	46
12) 1,1-Dichloroethene	2.076	96	1099984	127.908	ug/L #	71
19) 1,1-Dichloroethane	3.121	63	20586	1.351	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	34571	3.823	ug/L	83
25) Chloroform	4.288	83	66612	4.202	ug/L	96
27) 1,2-Dichloroethane	5.063	62	1858	0.224	ug/L #	71
29) 1,1,1-Trichloroethane	4.523	97	153525	11.295	ug/L	96
31) Carbon tetrachloride	4.748	117	57816	4.733	ug/L	99
33) Benzene	5.024	78	16159	0.511	ug/L	100
34) Trichloroethene	5.841	95	3837050	433.348	ug/L	93
35) Methylcyclohexane	5.998	83	9211	0.687	ug/L #	25
37) 1,2-Dichloropropane	6.002	63	5389	0.670	ug/L #	88
39) cis-1,3-Dichloropropene	6.918	75	1146	0.097	ug/L #	64
45) 1,1,2-Trichloroethane	7.937	97	266292	46.293	ug/L #	20
47) Tetrachloroethene	7.944	164	24152872	3177.856	ug/L	85
49) Dibromochloromethane	7.944	129	23591325	3504.798	ug/L #	10
61) 1,2,3-Trichloropropane	11.133	75	2062	0.525	ug/L #	50

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Mar 17 22:49:08 2023
Response via : Initial Calibration

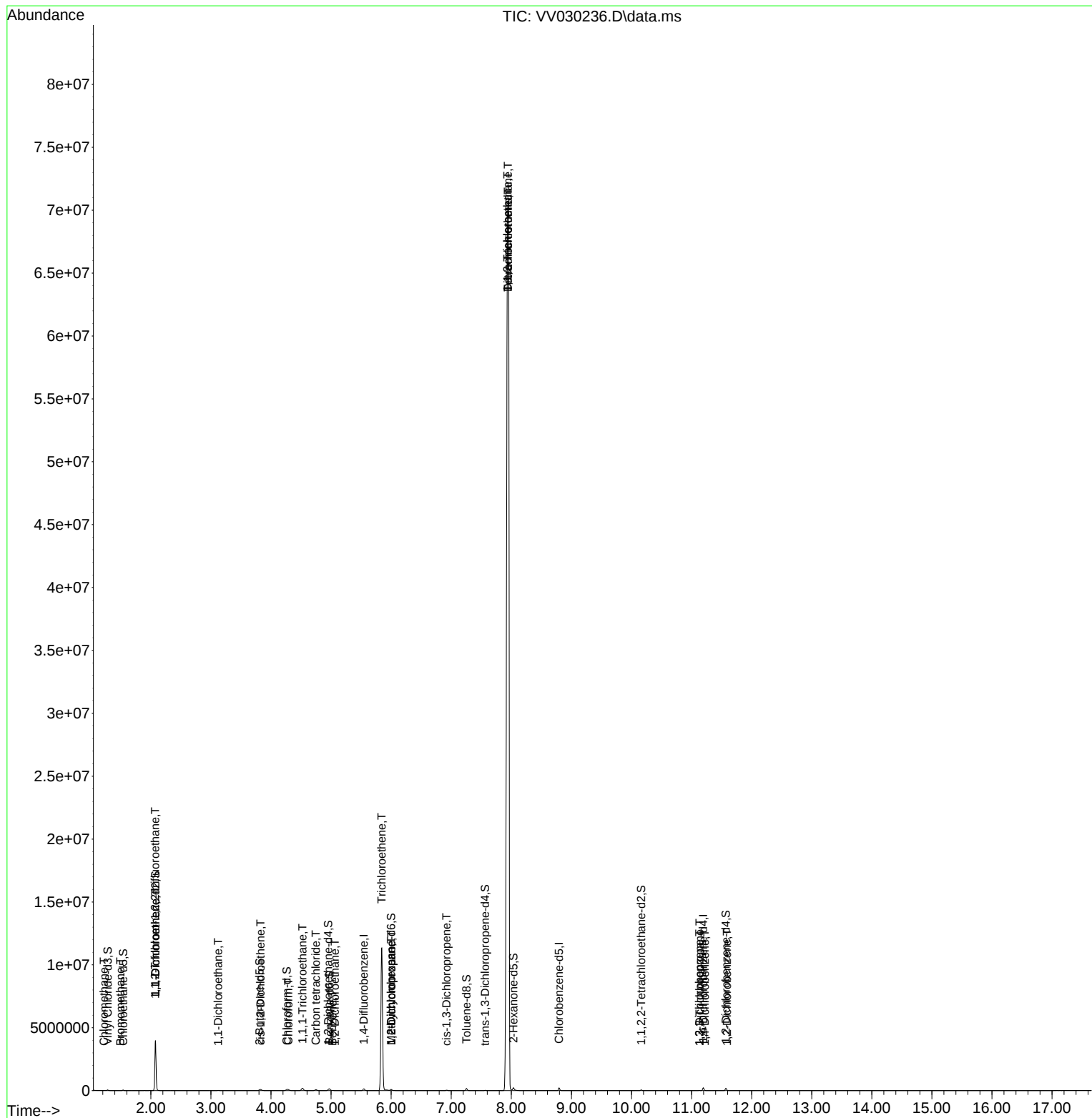
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.130	146	6714	0.382	ug/L	93
65) 1,4-Dichlorobenzene	11.220	146	6031	0.340	ug/L	91
67) 1,2-Dichlorobenzene	11.590	146	8360	0.538	ug/L	97

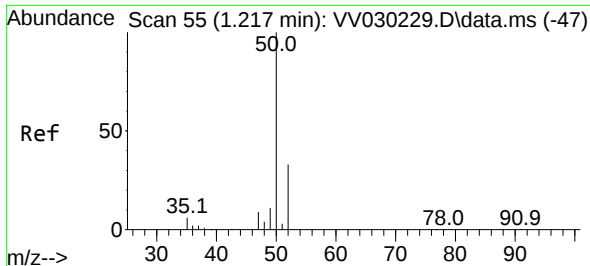
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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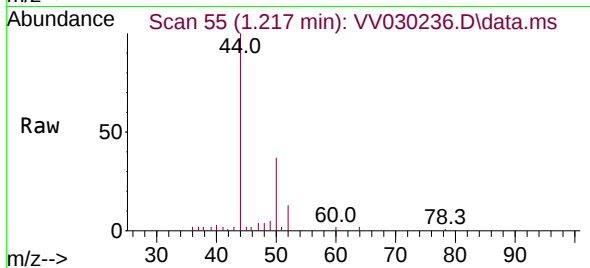
Quant Time: Mar 17 22:58:51 2023
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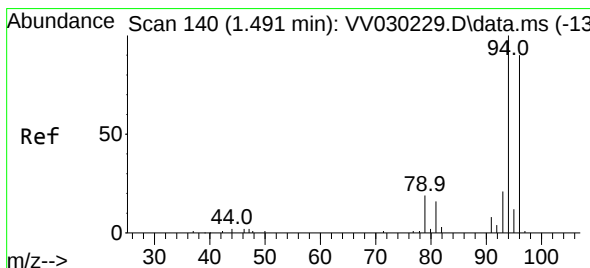
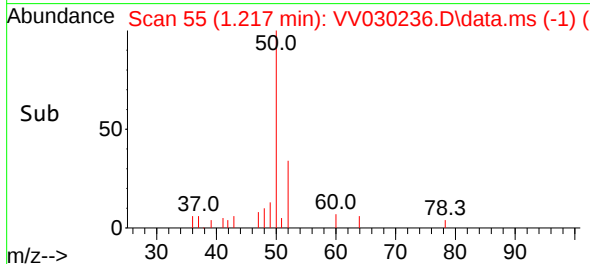
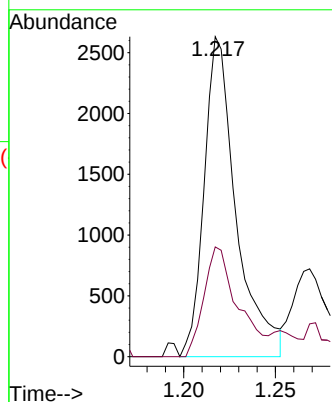


#3
Chloromethane
Concen: 0.195 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Instrument :
MSVOA_V
ClientSampleId :

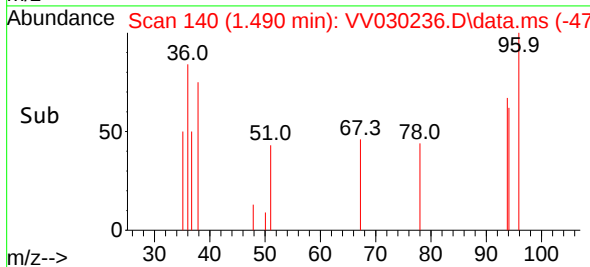
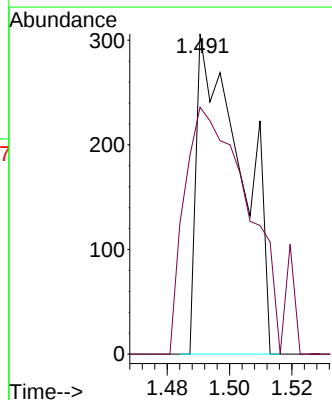
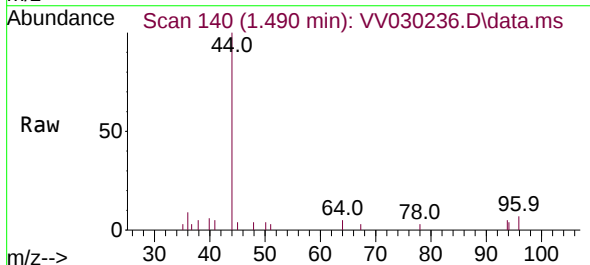


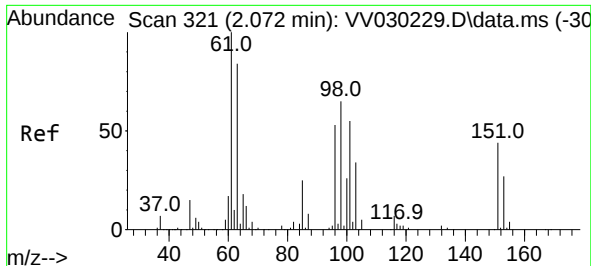
Tgt Ion: 50 Resp: 3198
Ion Ratio Lower Upper
50 100
52 34.3 23.6 43.8



#6
Bromomethane
Concen: 0.154 ug/L
RT: 1.490 min Scan# 140
Delta R.T. -0.000 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Tgt Ion: 94 Resp: 302
Ion Ratio Lower Upper
94 100
96 77.1 68.4 127.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.359 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030236.D

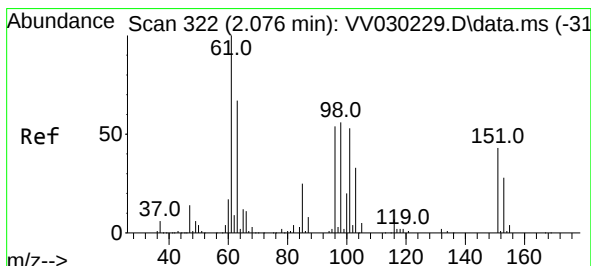
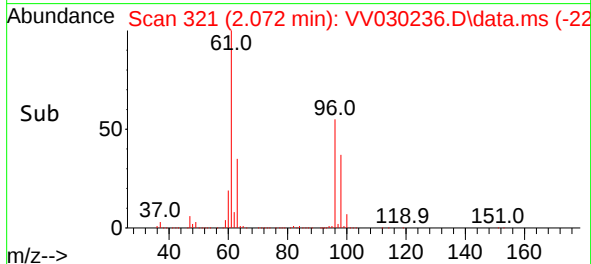
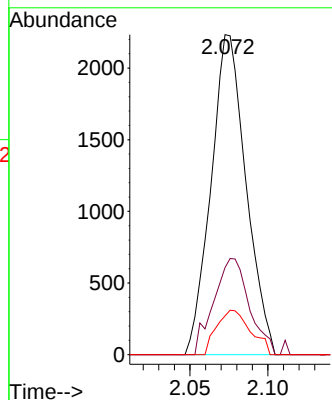
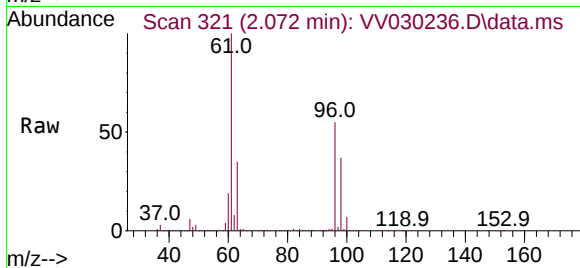
Acq: 17 Mar 2023 15:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	101	Resp:	3486
Ion	Ratio	Lower	Upper
101	100		
85	30.6	33.5	50.3#
151	13.5	61.6	92.4#



#12

1,1-Dichloroethene

Concen: 127.908 ug/L

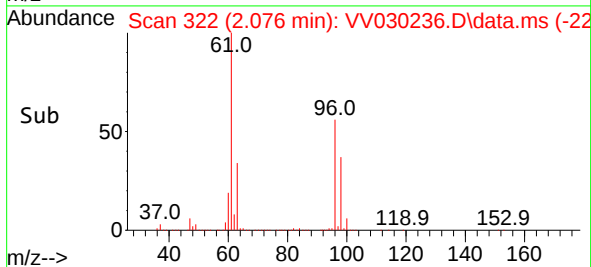
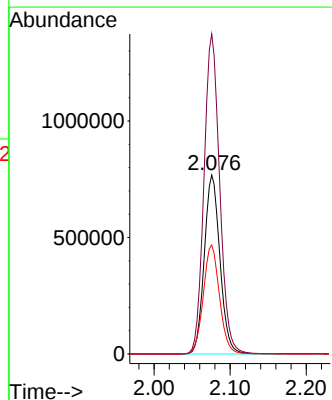
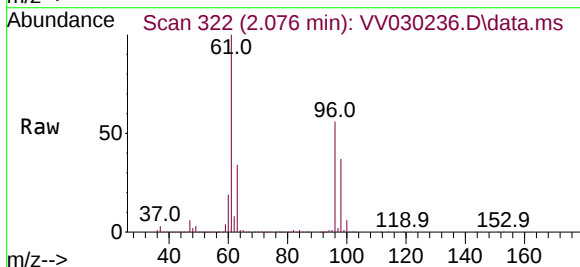
RT: 2.076 min Scan# 322

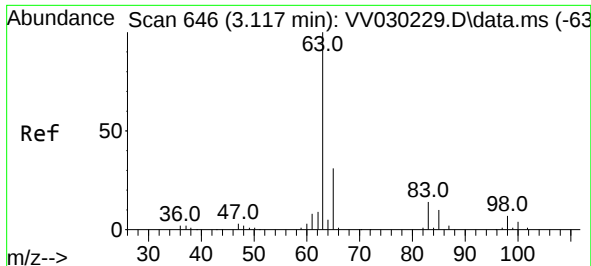
Delta R.T. -0.000 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

Tgt Ion:	96	Resp:	1099984
Ion	Ratio	Lower	Upper
96	100		
61	178.7	115.6	214.6
63	60.9	85.6	159.0#





#19

1,1-Dichloroethane

Concen: 1.351 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030236.D

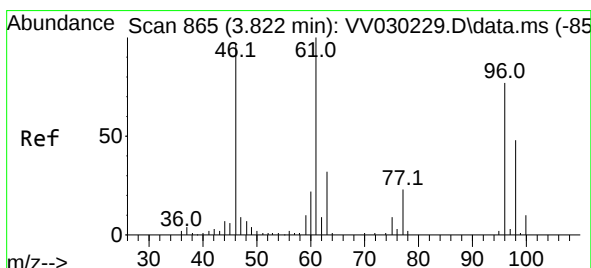
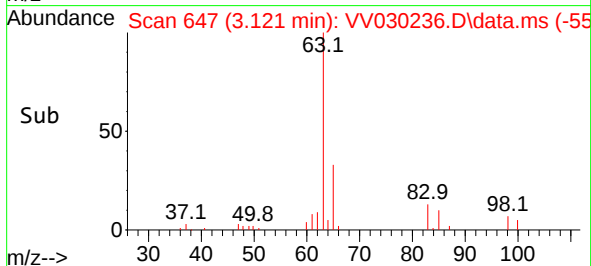
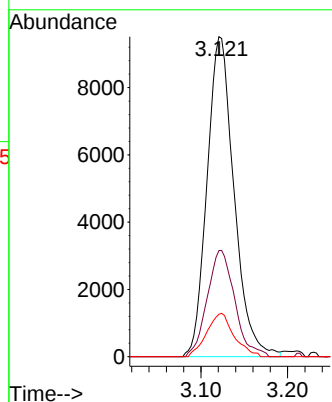
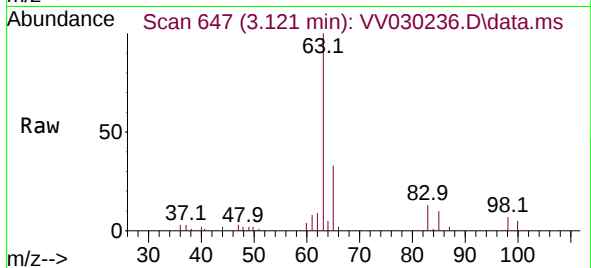
Acq: 17 Mar 2023 15:25

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 20586
Ion Ratio	Lower Upper
63 100	
65 33.1	23.0 42.8
83 13.3	9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 3.823 ug/L

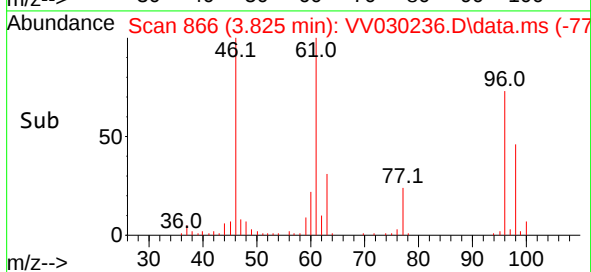
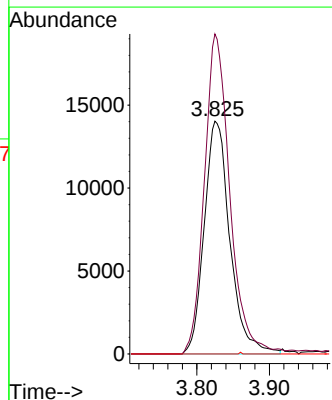
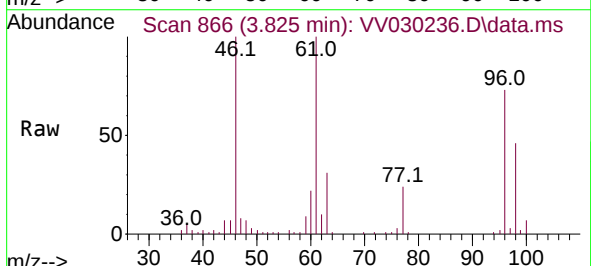
RT: 3.825 min Scan# 866

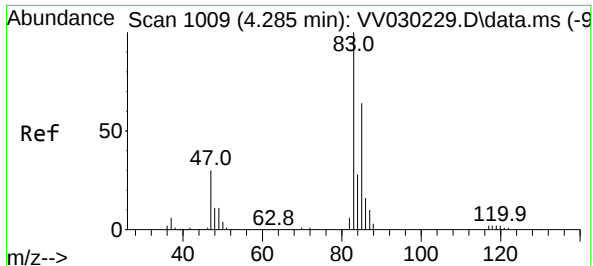
Delta R.T. 0.003 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

Tgt Ion: 96	Resp: 34571
Ion Ratio	Lower Upper
96 100	
61 137.4	83.4 154.8
68 0.0	0.0 0.0





#25

Chloroform

Concen: 4.202 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

Instrument :

MSVOA_V

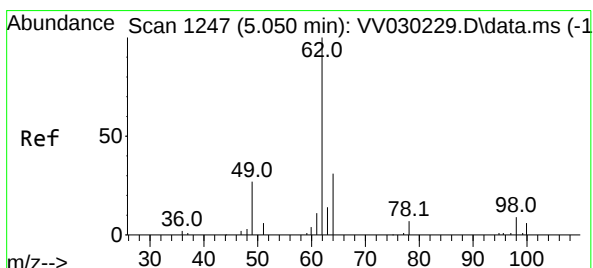
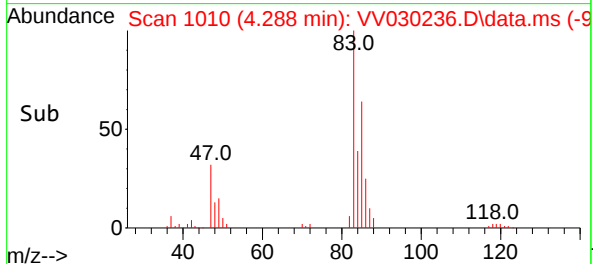
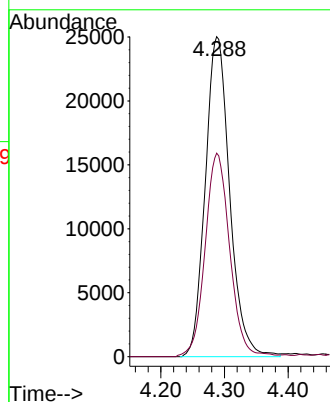
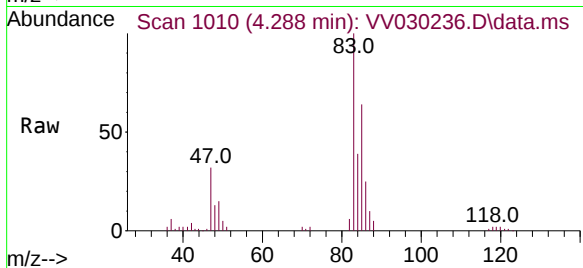
ClientSampleId :

Tgt Ion: 83 Resp: 66612

Ion Ratio Lower Upper

83 100

85 63.6 46.5 86.5



#27

1,2-Dichloroethane

Concen: 0.224 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.013 min

Lab File: VV030236.D

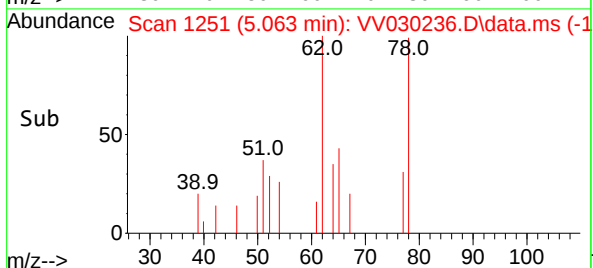
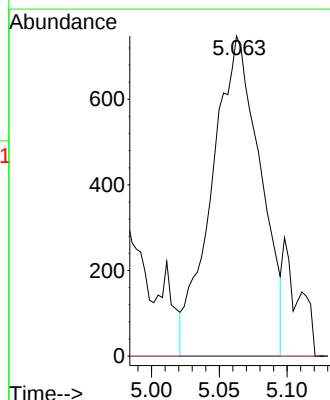
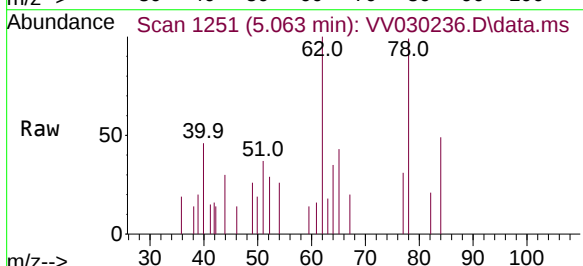
Acq: 17 Mar 2023 15:25

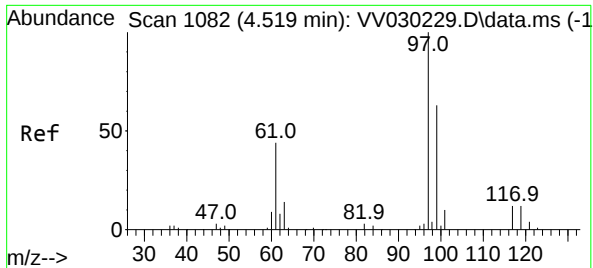
Tgt Ion: 62 Resp: 1858

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 11.295 ug/L

RT: 4.523 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

Instrument :

MSVOA_V

ClientSampleId :

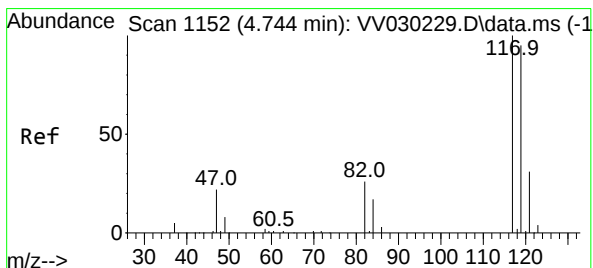
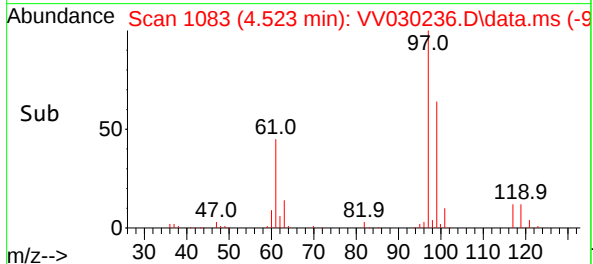
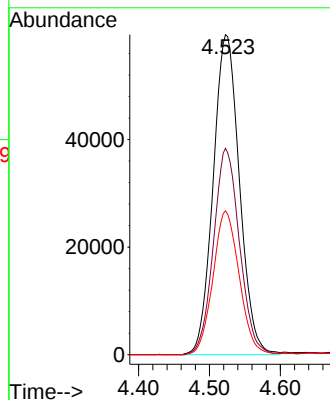
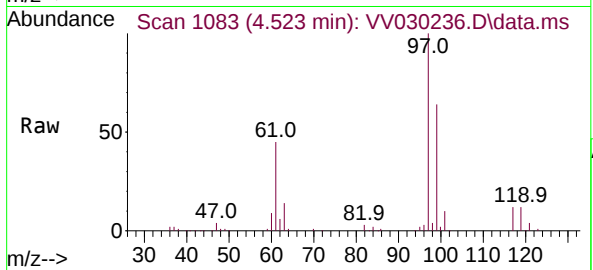
Tgt Ion: 97 Resp: 153525

Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 44.9 31.5 47.3



#31

Carbon tetrachloride

Concen: 4.733 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV030236.D

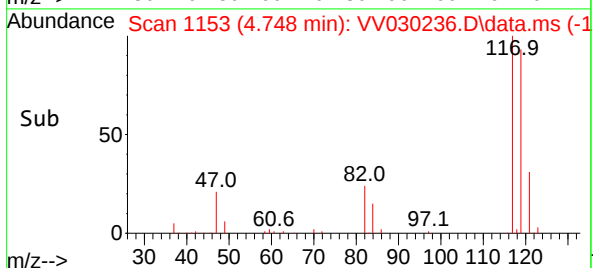
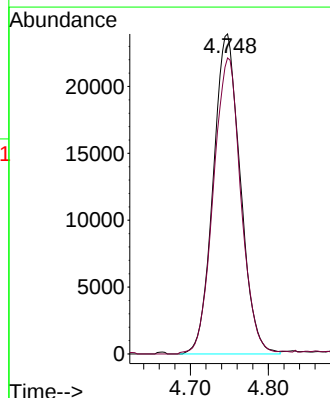
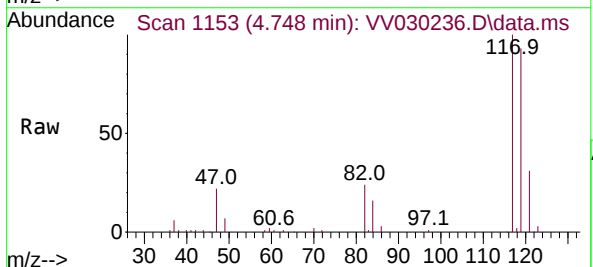
Acq: 17 Mar 2023 15:25

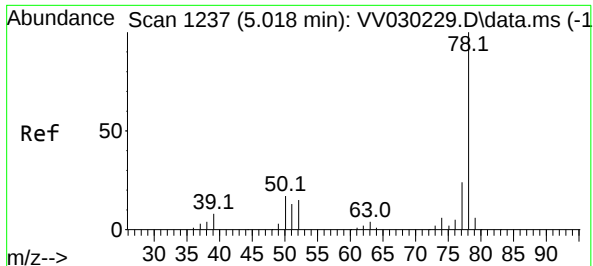
Tgt Ion: 117 Resp: 57816

Ion Ratio Lower Upper

117 100

119 94.2 76.1 114.1

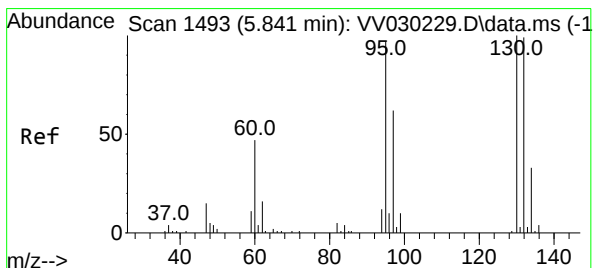
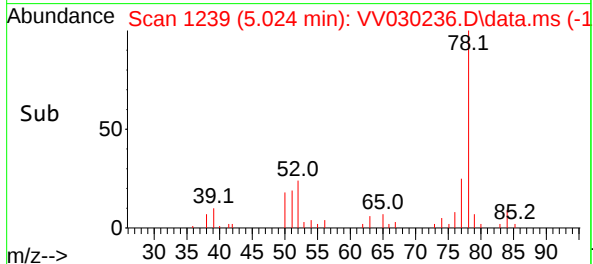
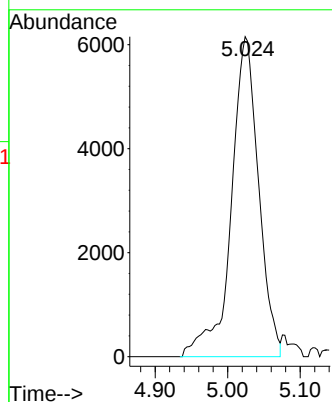
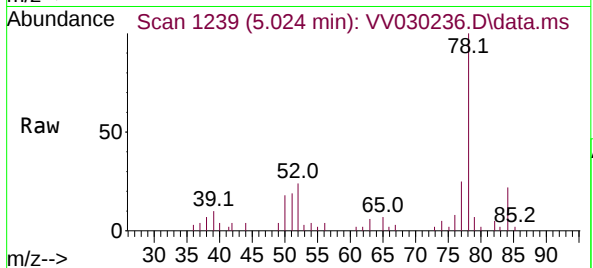




#33
Benzene
Concen: 0.511 ug/L
RT: 5.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Instrument :
MSVOA_V
ClientSampleId :

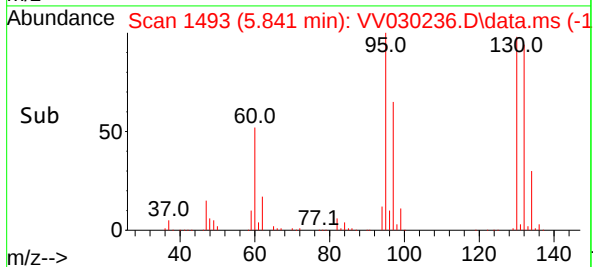
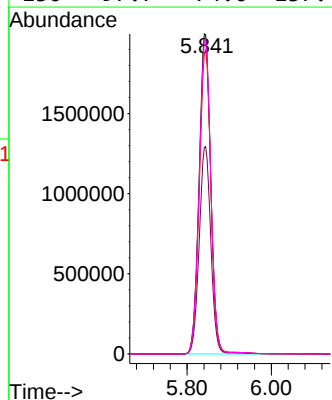
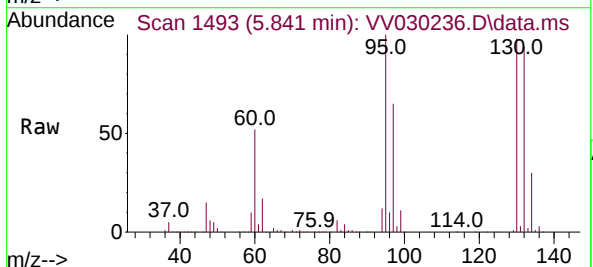
Tgt Ion: 78 Resp: 16159

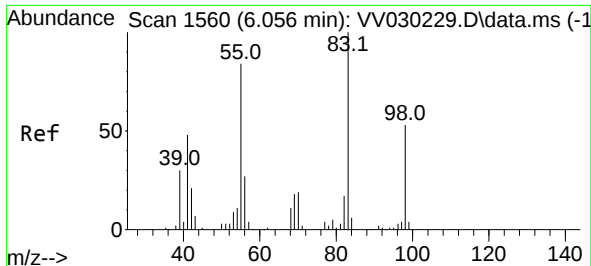


#34
Trichloroethene
Concen: 433.348 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Tgt Ion: 95 Resp: 3837050

Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.5	86.5
132	93.8	71.7	133.3
130	97.7	74.0	137.4

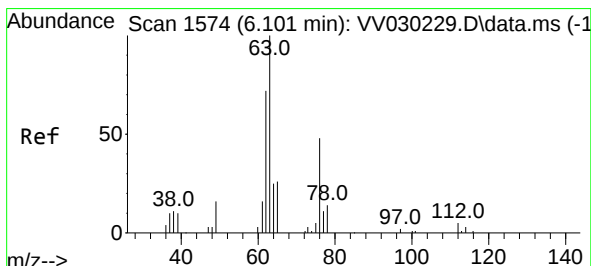
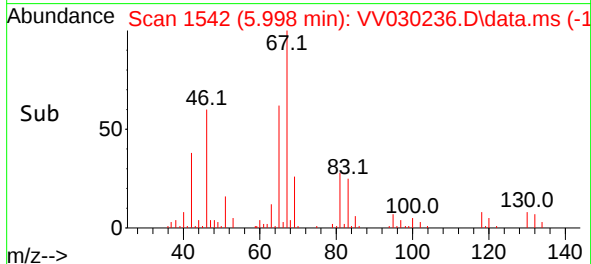
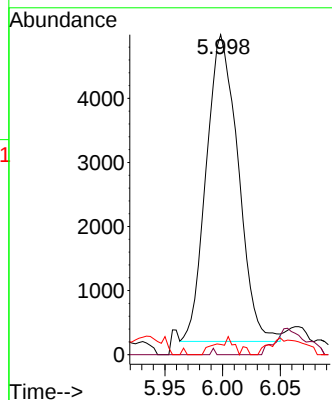
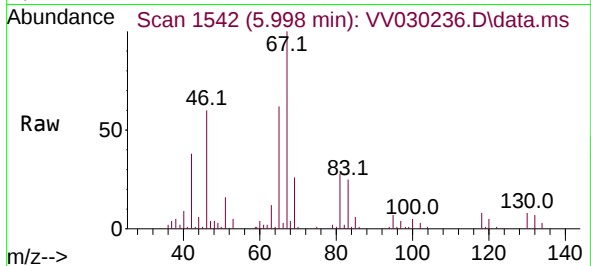




#35
Methylcyclohexane
Concen: 0.687 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.058 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

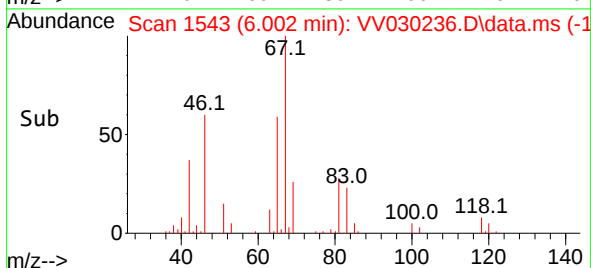
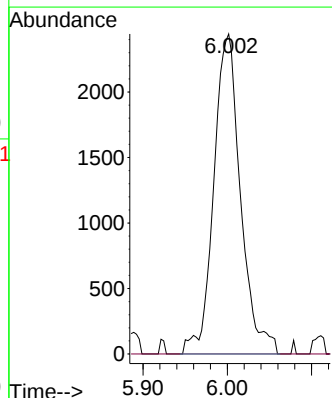
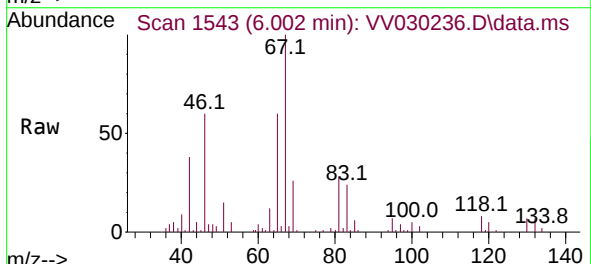
Instrument :
MSVOA_V
ClientSampleId :

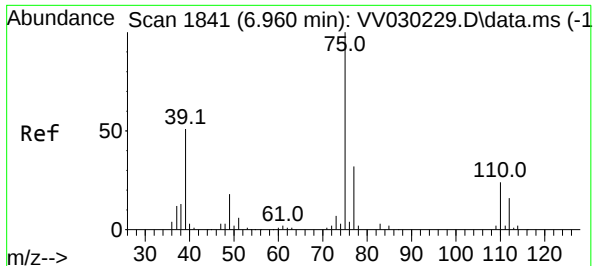
Tgt Ion: 83 Resp: 9211
Ion Ratio Lower Upper
83 100
55 8.1 57.6 86.4#
98 0.0 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.670 ug/L
RT: 6.002 min Scan# 1543
Delta R.T. -0.100 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Tgt Ion: 63 Resp: 5389
Ion Ratio Lower Upper
63 100
112 0.8 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 6.918 min Scan# 1146

Delta R.T. -0.042 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

Instrument :

MSVOA_V

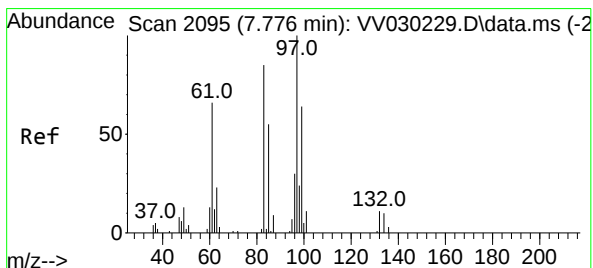
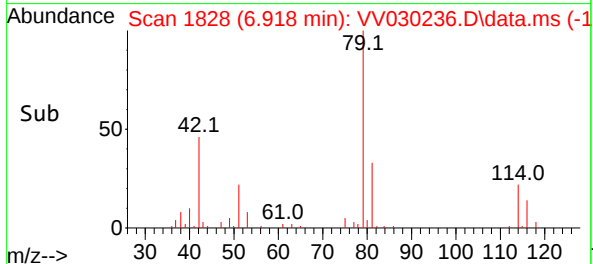
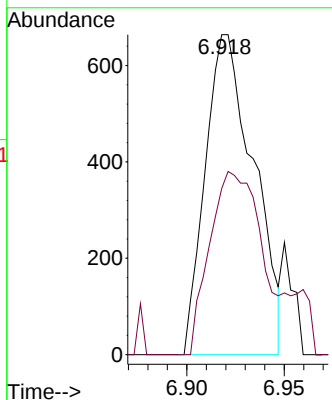
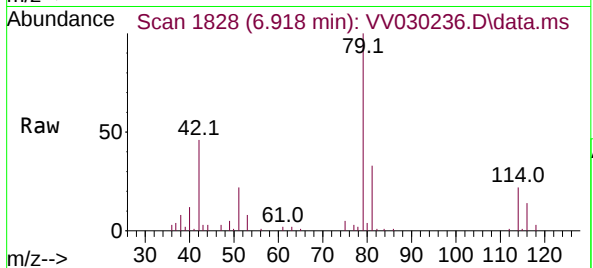
ClientSampleId :

Tgt Ion: 75 Resp: 1146

Ion Ratio Lower Upper

75 100

77 52.0 22.3 41.3#



#45

1,1,2-Trichloroethane

Concen: 46.293 ug/L

RT: 7.937 min Scan# 2145

Delta R.T. 0.161 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

Tgt Ion: 97 Resp: 266292

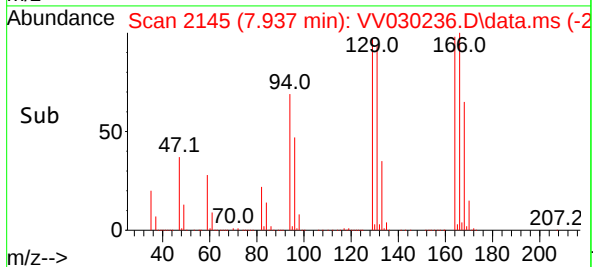
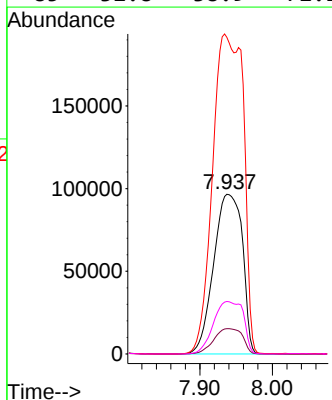
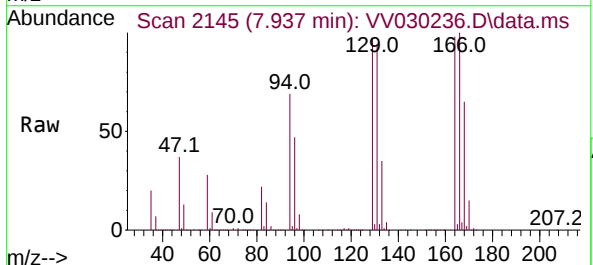
Ion Ratio Lower Upper

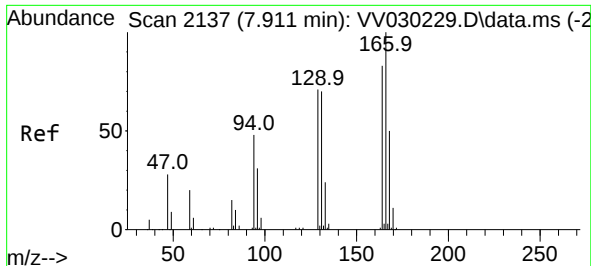
97 100

99 15.8 42.6 79.2#

83 198.3 57.7 107.3#

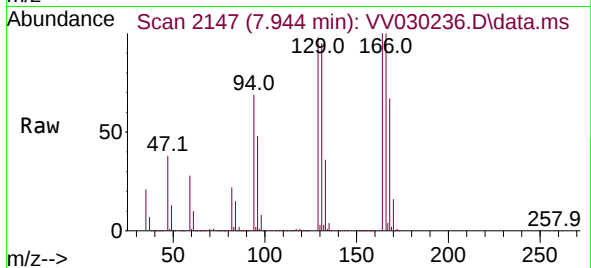
85 32.8 38.9 72.2#





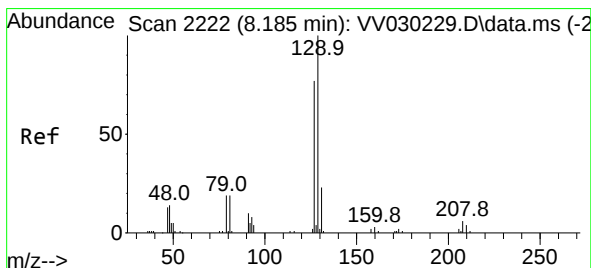
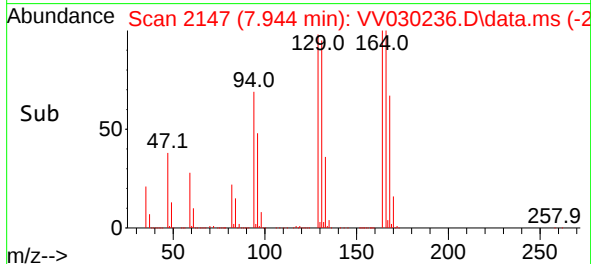
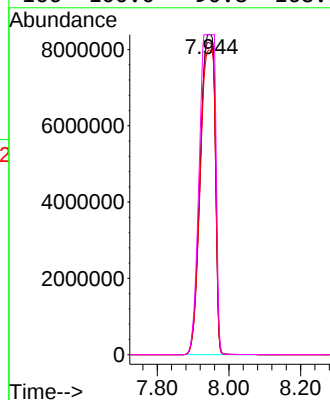
#47
Tetrachloroethene
Concen: 3177.856 ug/L
RT: 7.944 min Scan# 2147
Delta R.T. 0.032 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp:24152872

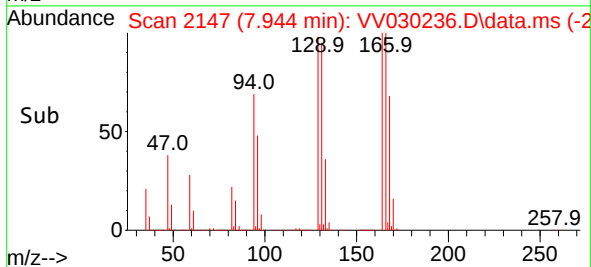
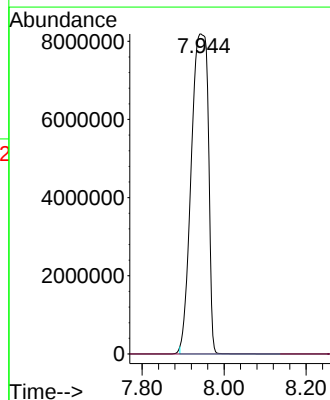
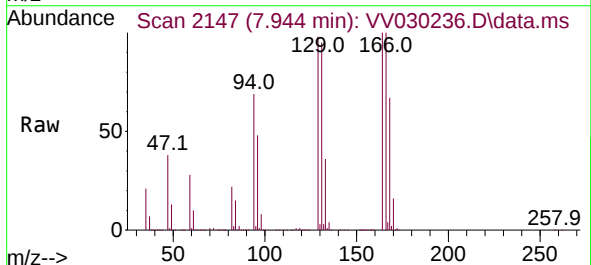
Ion	Ratio	Lower	Upper
164	100		
129	97.6	63.6	118.2
131	95.2	61.7	114.7
166	100.0	90.8	168.6

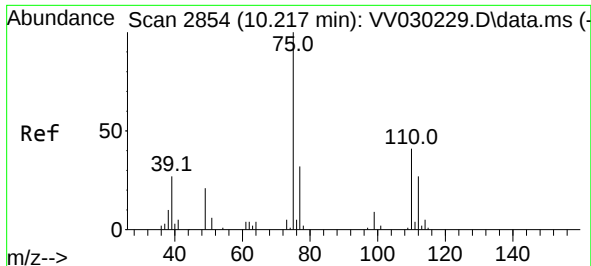


#49
Dibromochloromethane
Concen: 3504.798 ug/L
RT: 7.944 min Scan# 2147
Delta R.T. -0.241 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Tgt Ion:129 Resp:23591325

Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#





#61

1,2,3-Trichloropropane

Concen: 0.525 ug/L

RT: 11.133 min Scan# 3139

Delta R.T. 0.916 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

Instrument :

MSVOA_V

ClientSampleId :

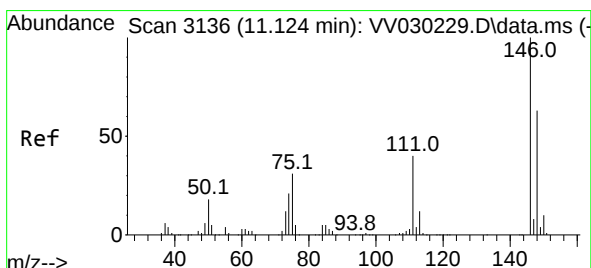
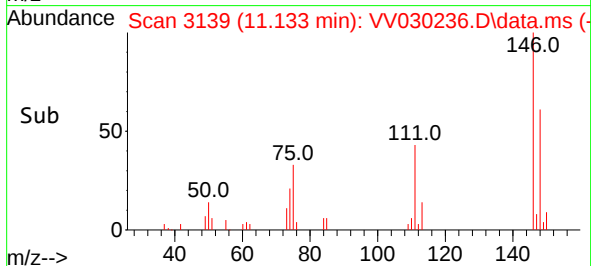
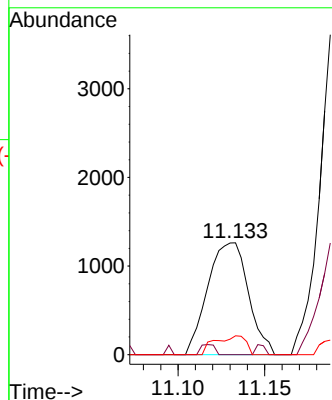
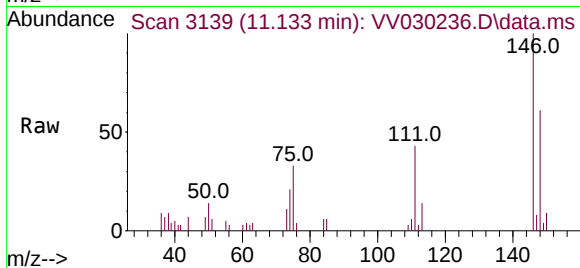
Tgt Ion: 75 Resp: 2062

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#

110 12.8 31.8 47.6#



#64

1,3-Dichlorobenzene

Concen: 0.382 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.006 min

Lab File: VV030236.D

Acq: 17 Mar 2023 15:25

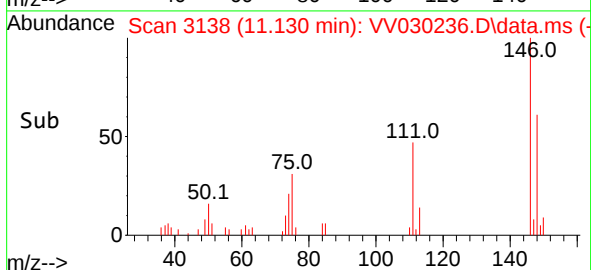
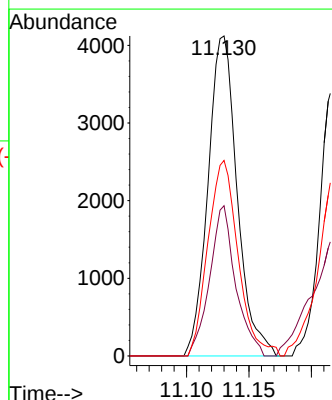
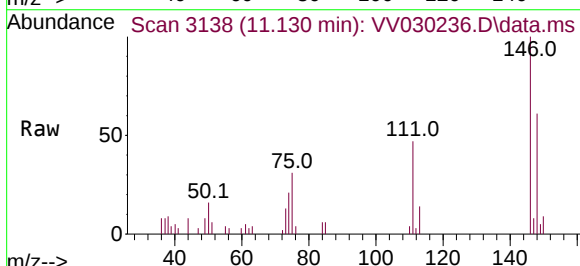
Tgt Ion:146 Resp: 6714

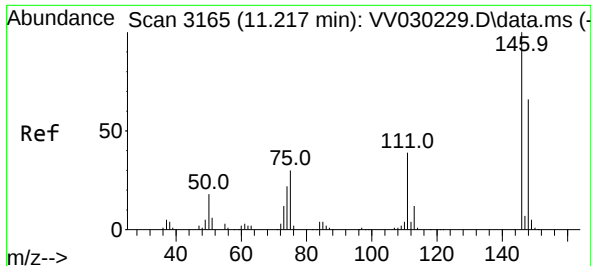
Ion Ratio Lower Upper

146 100

111 46.9 27.7 51.5

148 61.1 44.5 82.7

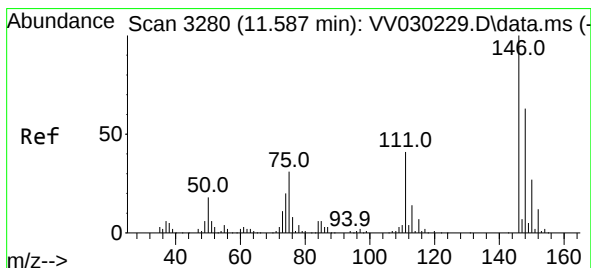
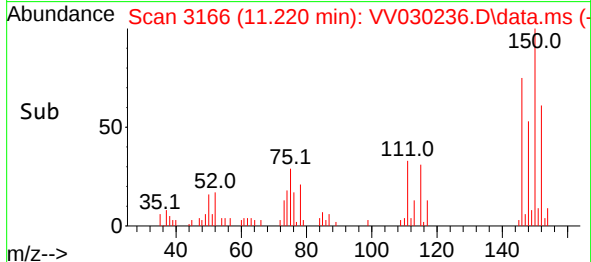
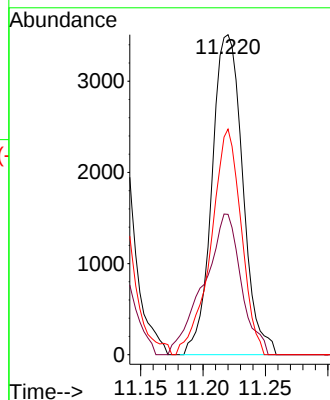
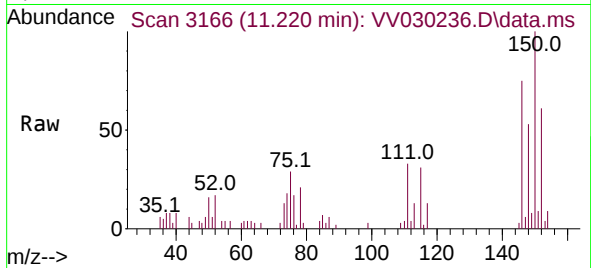




#65
1,4-Dichlorobenzene
Concen: 0.340 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 6031
Ion Ratio Lower Upper
146 100
111 43.8 27.4 51.0
148 70.5 44.1 81.9



#67
1,2-Dichlorobenzene
Concen: 0.538 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030236.D
Acq: 17 Mar 2023 15:25

Tgt Ion:146 Resp: 8360
Ion Ratio Lower Upper
146 100
111 42.9 33.5 50.3
148 61.4 51.3 76.9

