

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032023\
 Data File : VW030267.D
 Acq On : 20 Mar 2023 19:10
 Operator : SY/MD
 Sample : 01996-06DL 200X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A27DL

Quant Time: Mar 21 02:58:54 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)

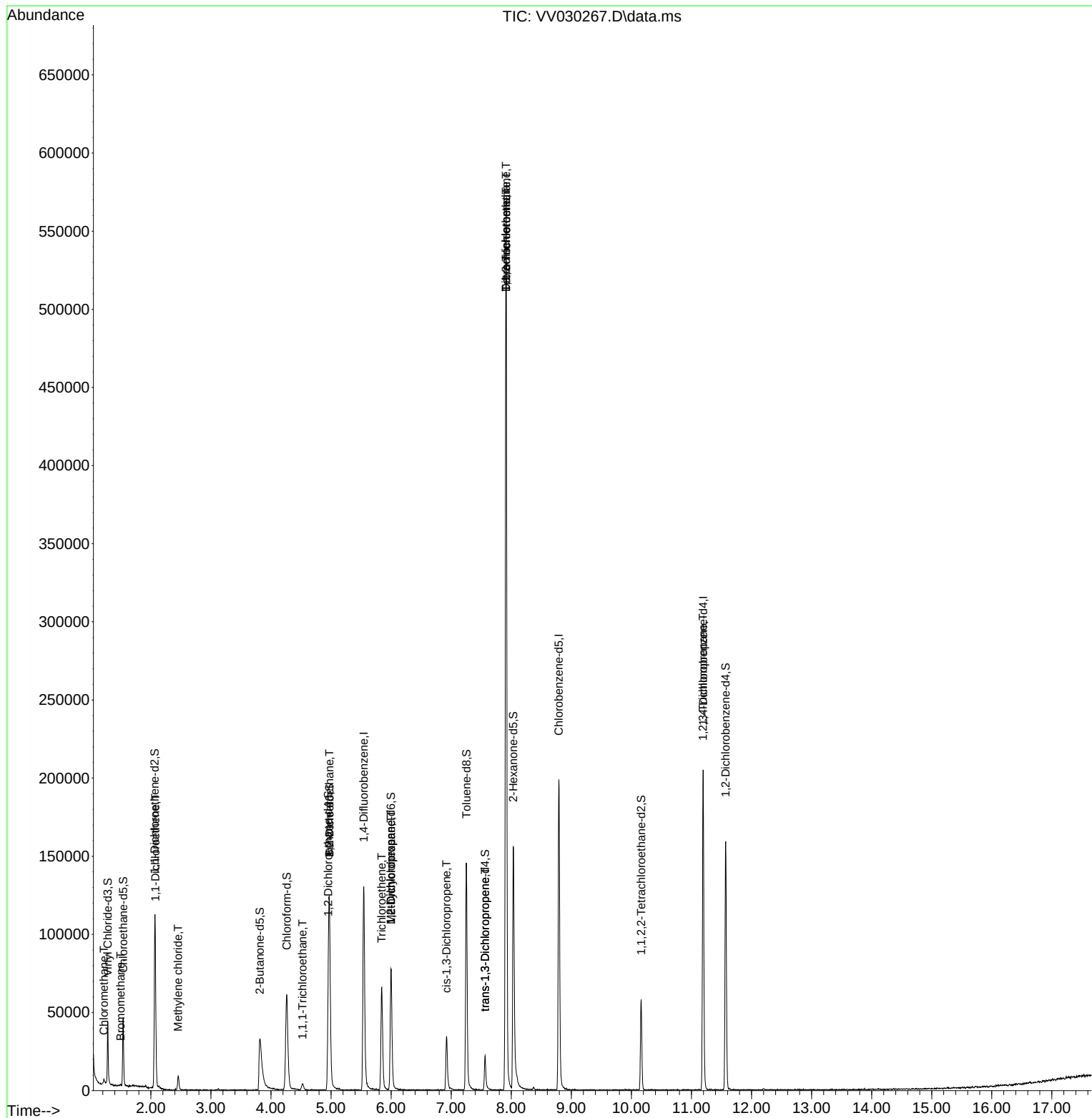
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	114986	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	110235	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	54431	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	25378	3.411	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.200%
7) Chloroethane-d5	1.539	69	25757	3.688	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.800%
11) 1,1-Dichloroethene-d2	2.066	63	52608	3.439	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.800%
20) 2-Butanone-d5	3.815	46	68591	50.003	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.000%
24) Chloroform-d	4.262	84	63575	4.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
26) 1,2-Dichloroethane-d4	4.953	65	32497	5.238	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	4.973	84	110241	3.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	5.998	67	34049	3.816	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.400%
41) Toluene-d8	7.252	98	97490	3.467	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.400%#
43) trans-1,3-Dichloroprop...	7.564	79	12926	4.234	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.034	63	55261	43.752	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.500%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	26359	4.152	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	40611	4.410	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.220	50	2102	0.143	ug/L	99
6) Bromomethane	1.497	94	194	0.110	ug/L	77
12) 1,1-Dichloroethene	2.076	96	12405	1.608	ug/L #	32
16) Methylene chloride	2.455	84	3414	0.362	ug/L	88
27) 1,2-Dichloroethane	4.973	62	786	0.106	ug/L #	71
29) 1,1,1-Trichloroethane	4.522	97	2961	0.229	ug/L	96
34) Trichloroethene	5.844	95	21817	2.586	ug/L	99
35) Methylcyclohexane	5.998	83	9021	0.707	ug/L #	20
37) 1,2-Dichloropropane	5.998	63	4544	0.593	ug/L #	86
39) cis-1,3-Dichloropropene	6.921	75	1193	0.106	ug/L #	43
44) trans-1,3-Dichloropropene	7.564	75	692	0.079	ug/L	96
45) 1,1,2-Trichloroethane	7.915	97	1052	0.192	ug/L #	1
47) Tetrachloroethene	7.911	164	127540	17.613	ug/L	98
49) Dibromochloromethane	7.915	129	109856	17.130	ug/L #	11
61) 1,2,3-Trichloropropane	11.191	75	5972	1.639	ug/L #	67

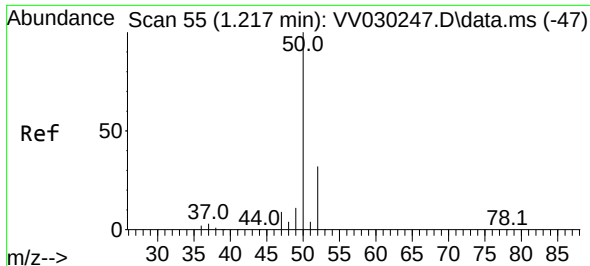
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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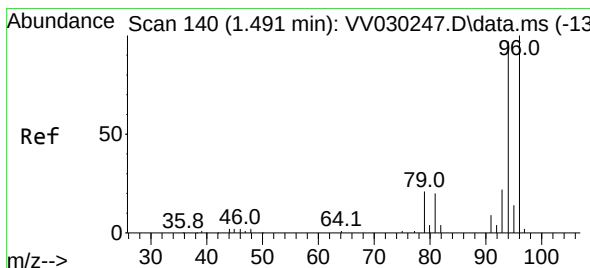
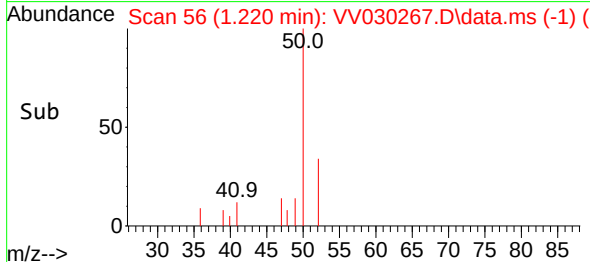
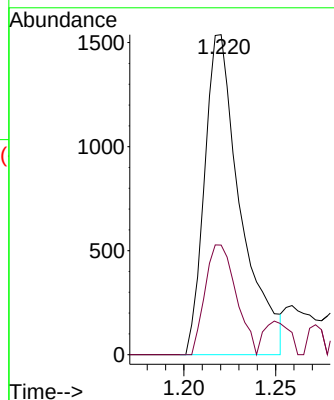
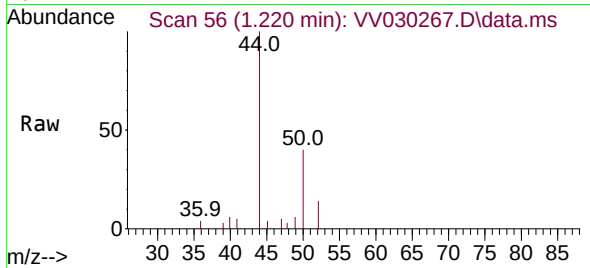




#3
Chloromethane
Concen: 0.143 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV030267.D
Acq: 20 Mar 2023 19:10

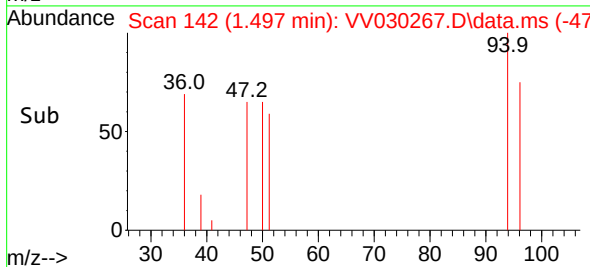
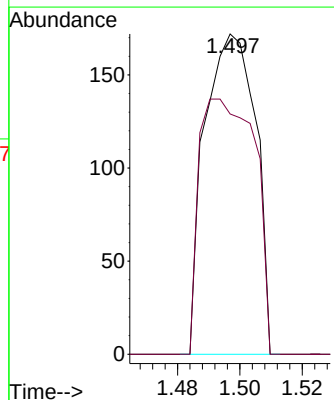
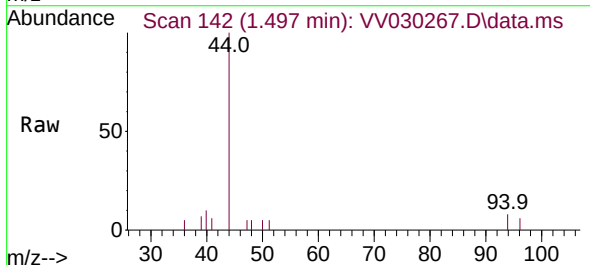
Instrument :
MSVOA_V
ClientSampleId :
H0A27DL

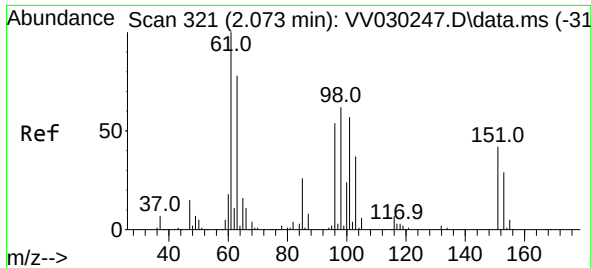
Tgt Ion: 50 Resp: 2102
Ion Ratio Lower Upper
50 100
52 34.3 23.6 43.8



#6
Bromomethane
Concen: 0.110 ug/L
RT: 1.497 min Scan# 142
Delta R.T. 0.006 min
Lab File: VV030267.D
Acq: 20 Mar 2023 19:10

Tgt Ion: 94 Resp: 194
Ion Ratio Lower Upper
94 100
96 75.0 68.4 127.0





#12

1,1-Dichloroethene

Concen: 1.608 ug/L

RT: 2.076 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030267.D

Acq: 20 Mar 2023 19:10

Instrument :

MSVOA_V

ClientSampleId :

H0A27DL

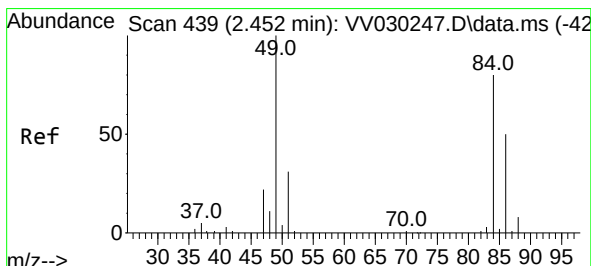
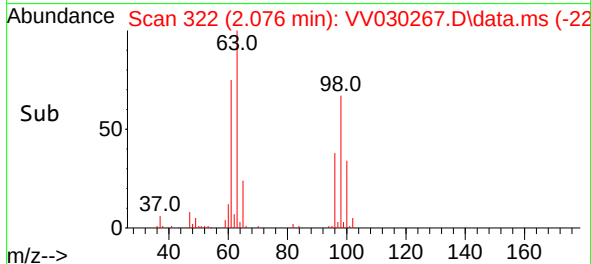
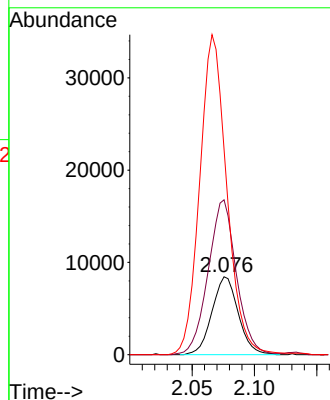
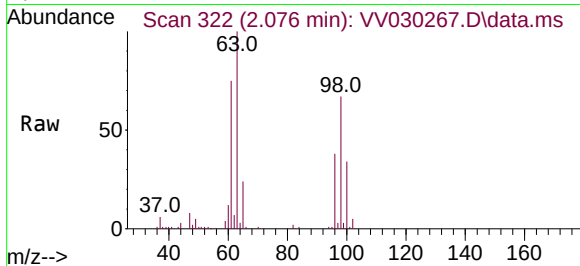
Tgt Ion: 96 Resp: 12405

Ion Ratio Lower Upper

96 100

61 198.7 115.6 214.6

63 263.7 85.6 159.0#



#16

Methylene chloride

Concen: 0.362 ug/L

RT: 2.455 min Scan# 440

Delta R.T. 0.003 min

Lab File: VV030267.D

Acq: 20 Mar 2023 19:10

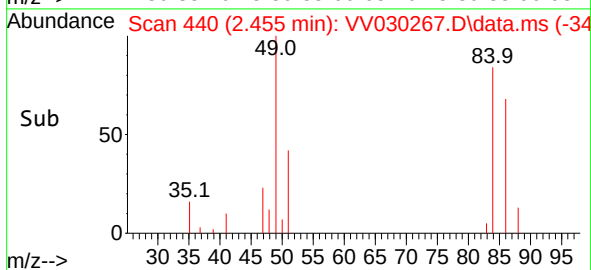
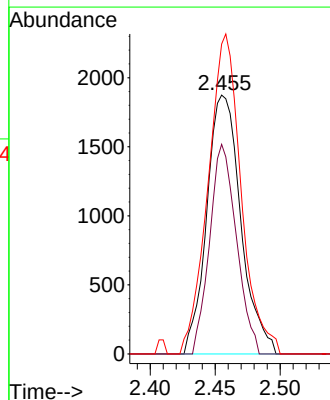
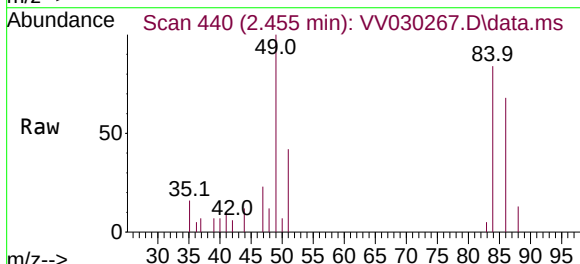
Tgt Ion: 84 Resp: 3414

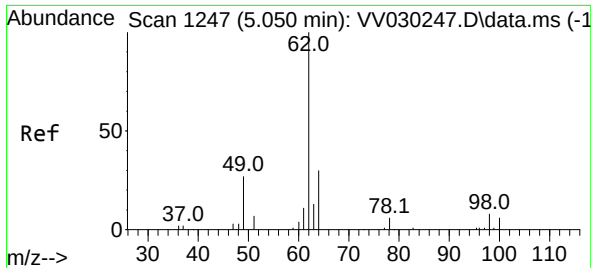
Ion Ratio Lower Upper

84 100

86 81.0 44.7 83.1

49 119.7 78.8 146.3





#27

1,2-Dichloroethane

Concen: 0.106 ug/L

RT: 4.973 min Scan# 11

Delta R.T. -0.077 min

Lab File: VV030267.D

Acq: 20 Mar 2023 19:10

Instrument :

MSVOA_V

ClientSampleId :

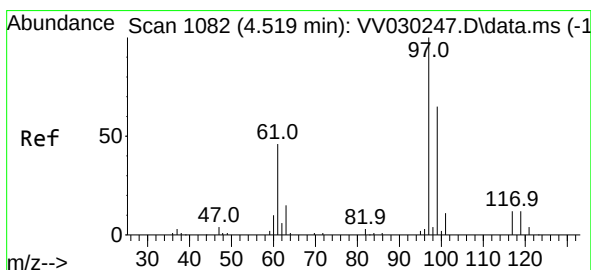
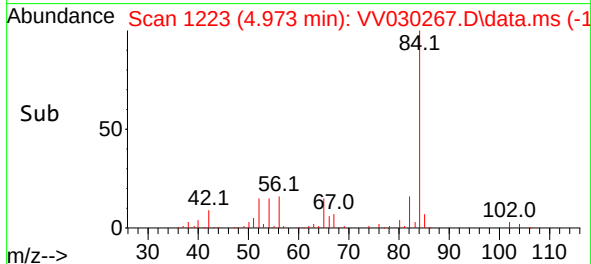
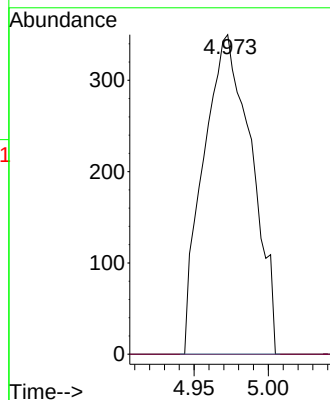
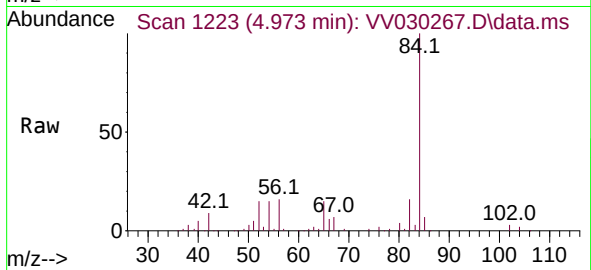
H0A27DL

Tgt Ion: 62 Resp: 786

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.4#



#29

1,1,1-Trichloroethane

Concen: 0.229 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030267.D

Acq: 20 Mar 2023 19:10

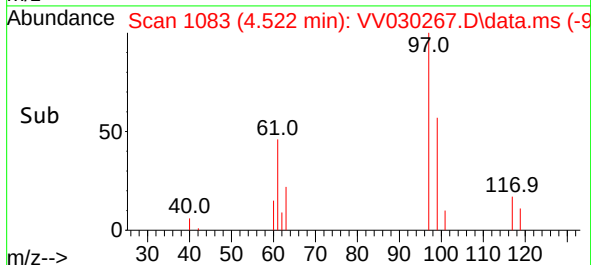
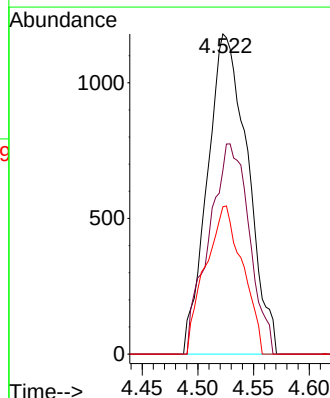
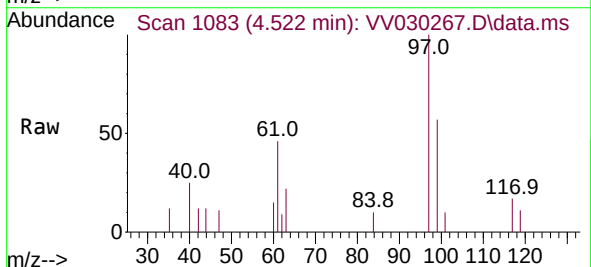
Tgt Ion: 97 Resp: 2961

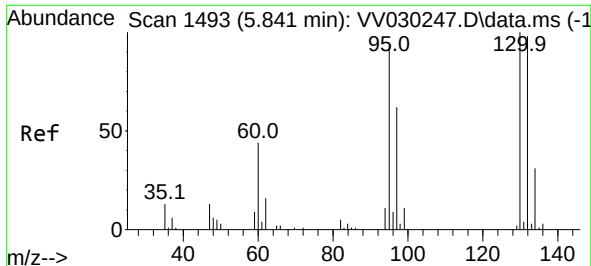
Ion Ratio Lower Upper

97 100

99 65.9 51.3 76.9

61 42.8 31.5 47.3



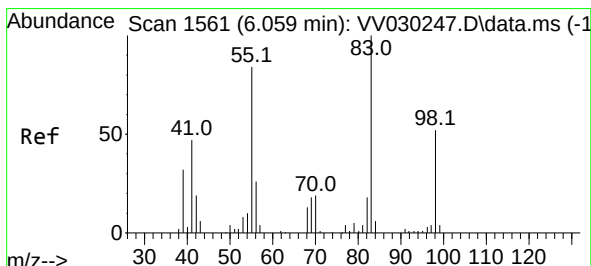
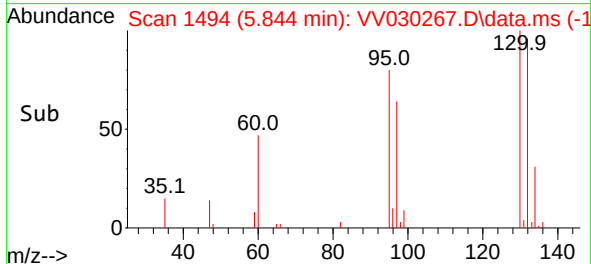
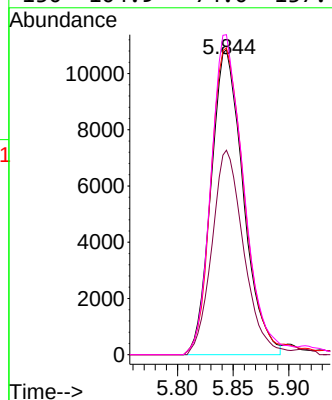
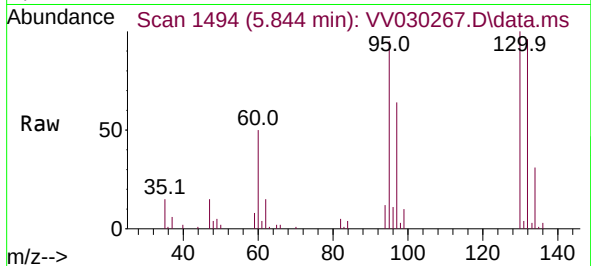


#34
Trichloroethene
Concen: 2.586 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030267.D
Acq: 20 Mar 2023 19:10

Instrument :
MSVOA_V
ClientSampleId :
H0A27DL

Tgt Ion: 95 Resp: 21817

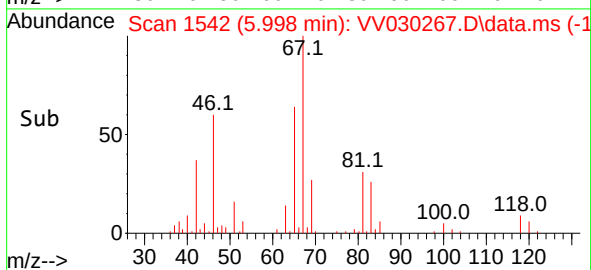
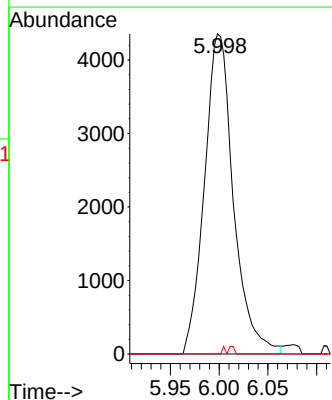
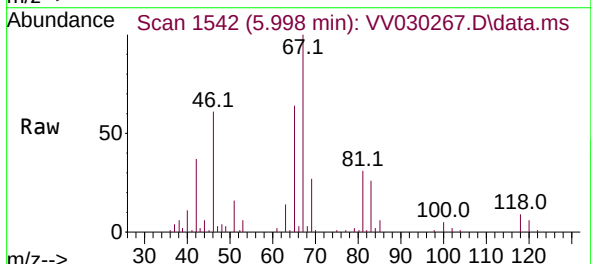
Ion	Ratio	Lower	Upper
95	100		
97	67.0	46.5	86.5
132	100.6	71.7	133.3
130	104.9	74.0	137.4

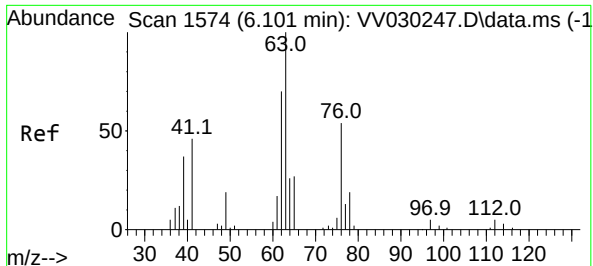


#35
Methylcyclohexane
Concen: 0.707 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.058 min
Lab File: VV030267.D
Acq: 20 Mar 2023 19:10

Tgt Ion: 83 Resp: 9021

Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.6	86.4#
98	0.7	38.8	58.2#





#37

1,2-Dichloropropane

Concen: 0.593 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV030267.D

Acq: 20 Mar 2023 19:10

Instrument :

MSVOA_V

ClientSampleId :

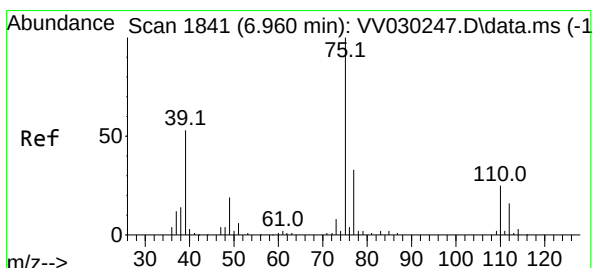
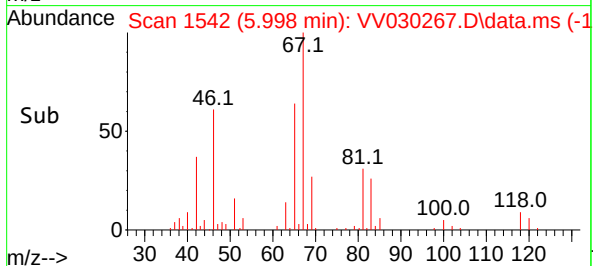
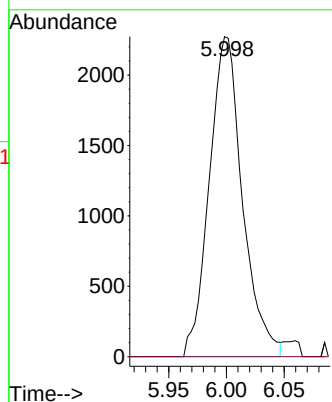
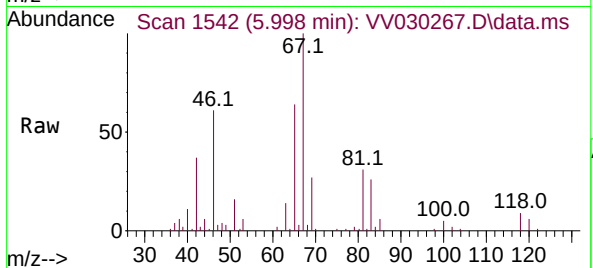
H0A27DL

Tgt Ion: 63 Resp: 4544

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.039 min

Lab File: VV030267.D

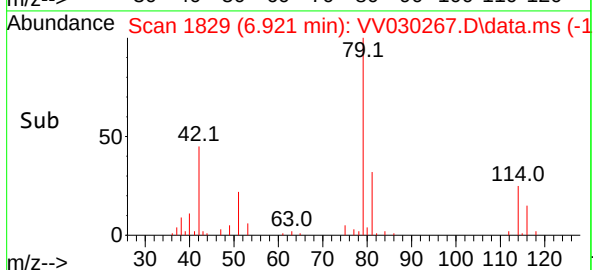
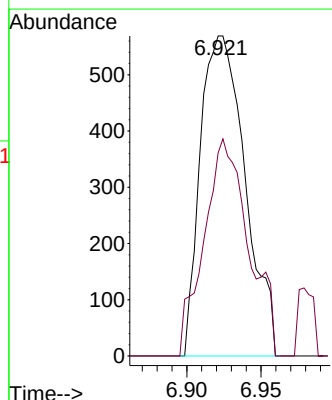
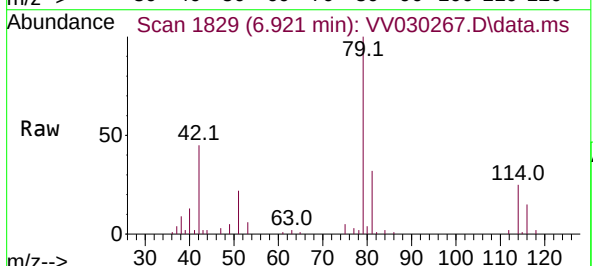
Acq: 20 Mar 2023 19:10

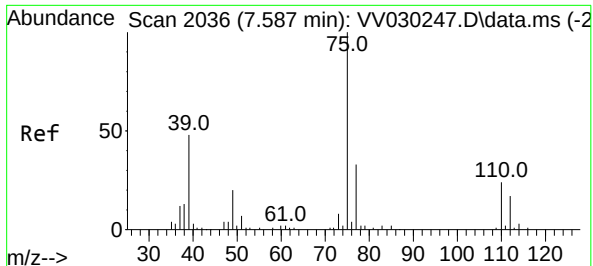
Tgt Ion: 75 Resp: 1193

Ion Ratio Lower Upper

75 100

77 63.4 22.3 41.3#

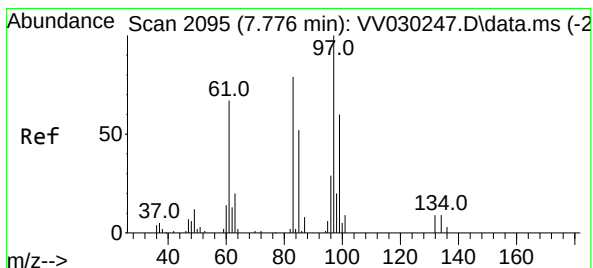
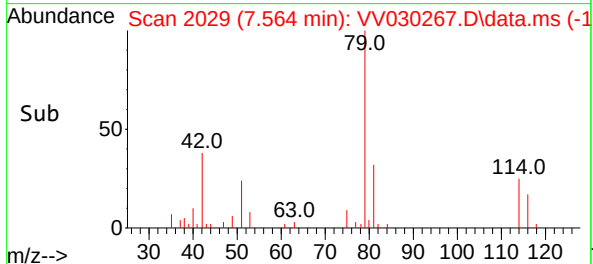
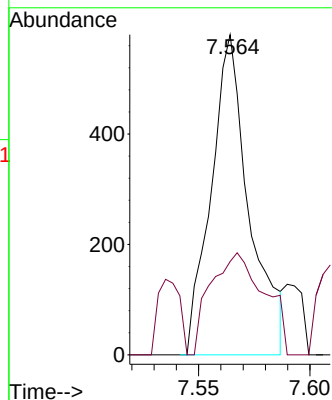
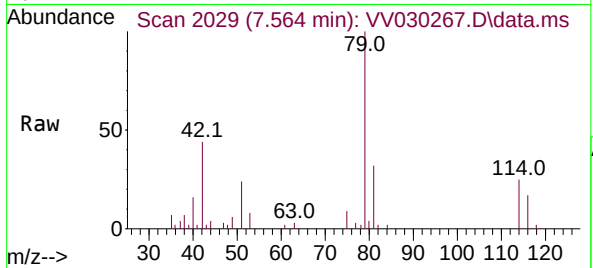




#44
trans-1,3-Dichloropropene
Concen: 0.079 ug/L
RT: 7.564 min Scan# 2138
Delta R.T. -0.023 min
Lab File: VV030267.D
Acq: 20 Mar 2023 19:10

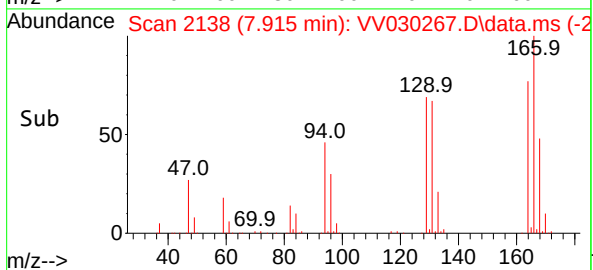
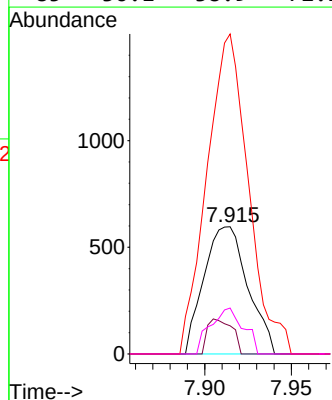
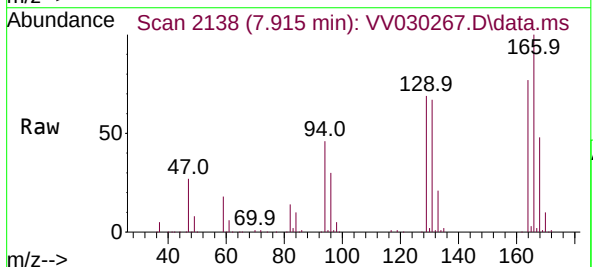
Instrument :
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H0A27DL

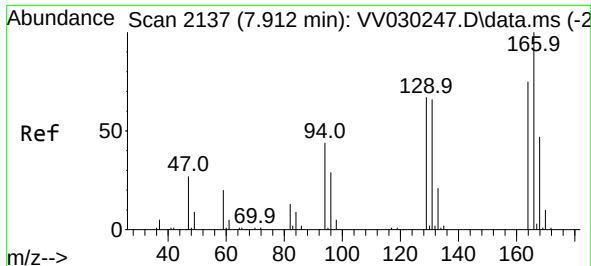
Tgt Ion: 75 Resp: 692
Ion Ratio Lower Upper
75 100
77 29.1 22.1 41.1



#45
1,1,2-Trichloroethane
Concen: 0.192 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.138 min
Lab File: VV030267.D
Acq: 20 Mar 2023 19:10

Tgt Ion: 97 Resp: 1052
Ion Ratio Lower Upper
97 100
99 22.1 42.6 79.2#
83 251.7 57.7 107.3#
85 36.1 38.9 72.2#





#47

Tetrachloroethene

Concen: 17.613 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV030267.D

Acq: 20 Mar 2023 19:10

Instrument :

MSVOA_V

ClientSampleId :

H0A27DL

Tgt Ion:164 Resp: 127540

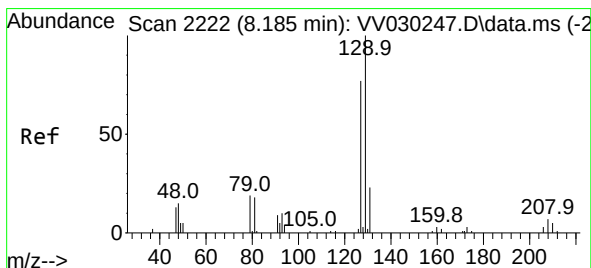
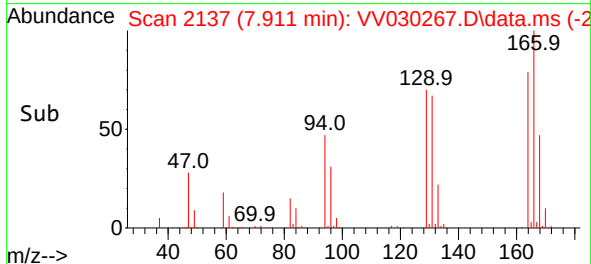
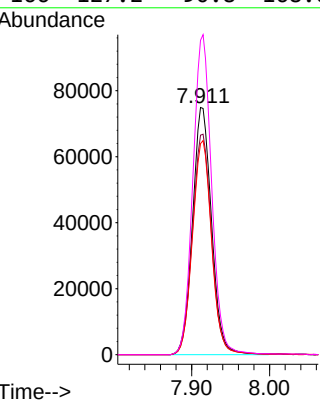
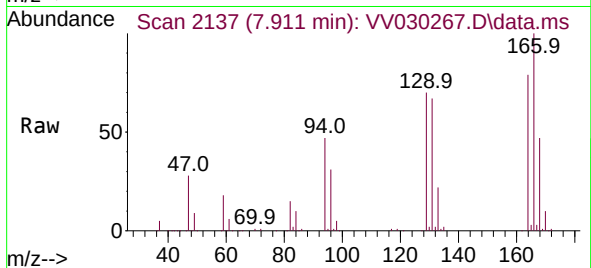
Ion Ratio Lower Upper

164 100

129 88.8 63.6 118.2

131 85.4 61.7 114.7

166 127.2 90.8 168.6



#49

Dibromochloromethane

Concen: 17.130 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030267.D

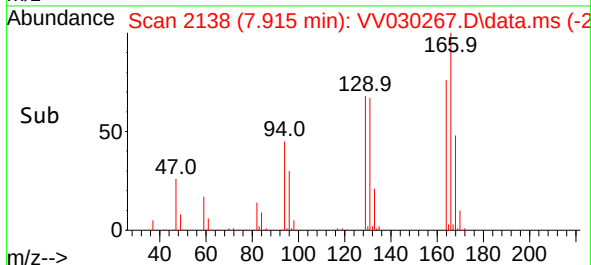
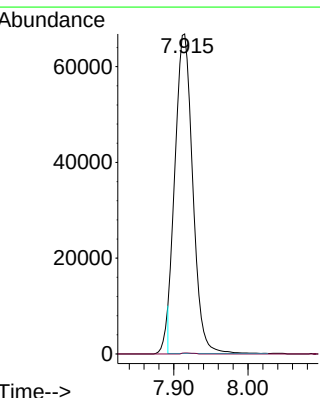
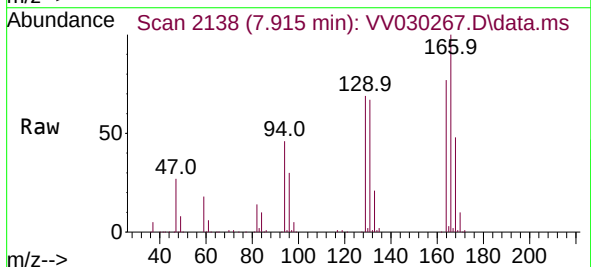
Acq: 20 Mar 2023 19:10

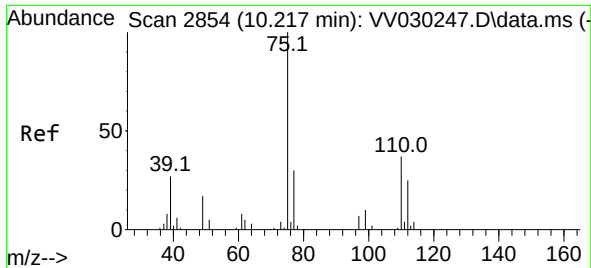
Tgt Ion:129 Resp: 109856

Ion Ratio Lower Upper

129 100

127 0.3 54.7 101.5#





#61

1,2,3-Trichloropropane

Concen: 1.639 ug/L

RT: 11.191 min Scan# 31

Delta R.T. 0.974 min

Lab File: VV030267.D

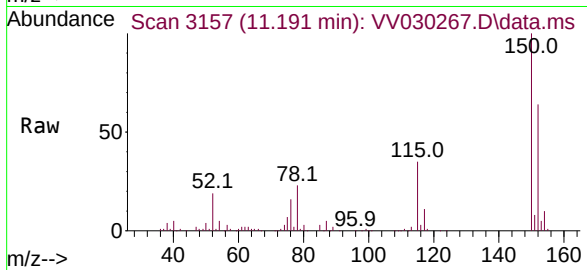
Acq: 20 Mar 2023 19:10

Instrument :

MSVOA_V

ClientSampleId :

H0A27DL



Tgt Ion: 75 Resp: 5972

Ion Ratio Lower Upper

75 100

77 33.3 26.5 39.7

110 2.6 31.8 47.6#

