

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031723\
 Data File : VV030235.D
 Acq On : 17 Mar 2023 15:00
 Operator : SY/MD
 Sample : 01996-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0A24

Quant Time: Mar 17 22:58:32 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)

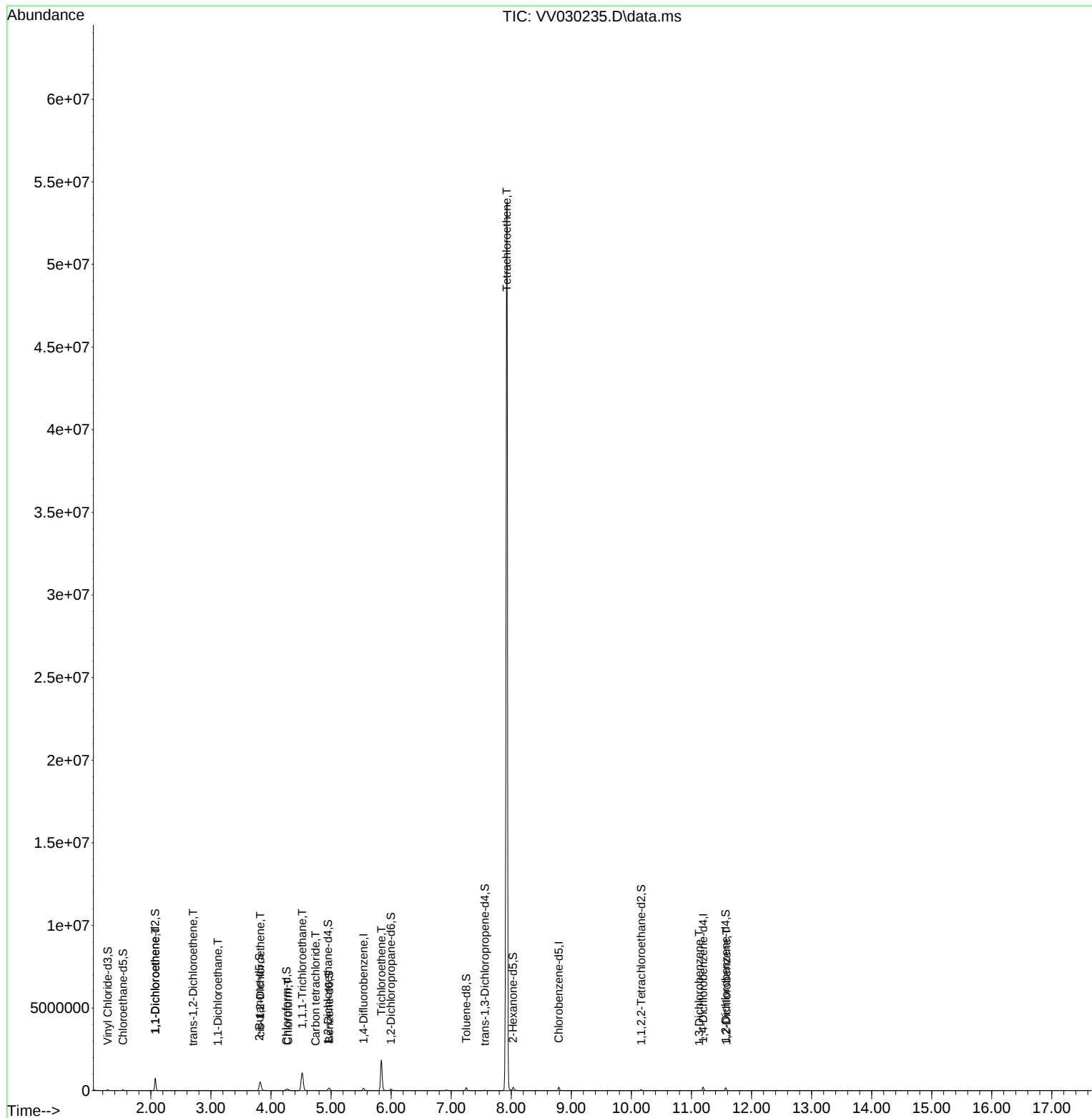
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	123879	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	111197	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	56219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	34946	4.360	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.536	69	32417	4.308	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.073	63	167203	10.146	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	203.000%#
20) 2-Butanone-d5	3.806	46	85654	57.959	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.920%
24) Chloroform-d	4.259	84	76501	4.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	4.950	65	37416	5.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.000%
32) Benzene-d6	4.966	84	134673	4.501	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	5.995	67	42432	4.714	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.200%
41) Toluene-d8	7.249	98	117845	4.155	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.200%
43) trans-1,3-Dichloroprop...	7.561	79	14984	4.866	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.400%
46) 2-Hexanone-d5	8.030	63	63889	50.145	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.280%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	27855	4.350	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.000%
66) 1,2-Dichlorobenzene-d4	11.571	152	43010	4.522	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.076	96	196849	23.678	ug/L #	73
18) trans-1,2-Dichloroethene	2.703	96	1661	0.210	ug/L	89
19) 1,1-Dichloroethane	3.118	63	17471	1.186	ug/L	99
22) cis-1,2-Dichloroethene	3.822	96	269878	30.874	ug/L	89
25) Chloroform	4.285	83	52147	3.403	ug/L	95
29) 1,1,1-Trichloroethane	4.519	97	900312	68.923	ug/L	97
31) Carbon tetrachloride	4.741	117	10468	0.892	ug/L	99
34) Trichloroethene	5.838	95	622014	73.096	ug/L	97
47) Tetrachloroethene	7.928	164	11241586	1539.035	ug/L	91
64) 1,3-Dichlorobenzene	11.130	146	3814	0.226	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	1588	0.107	ug/L #	90

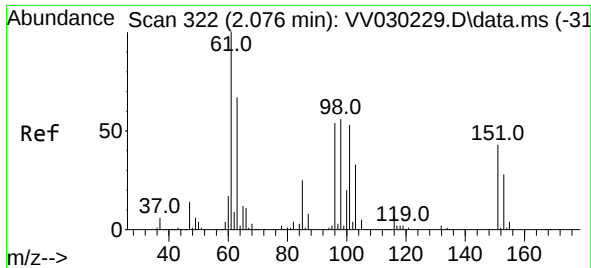
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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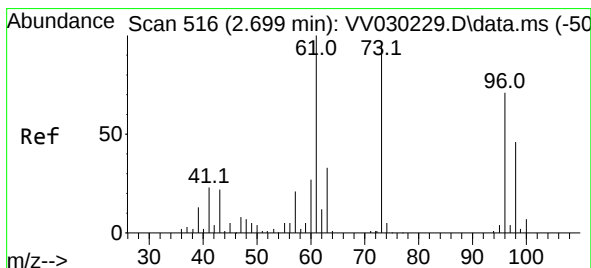
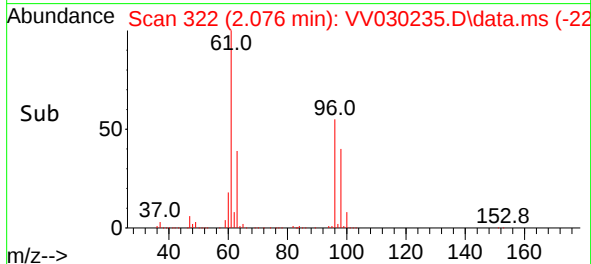
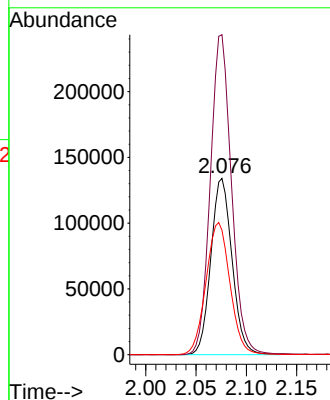
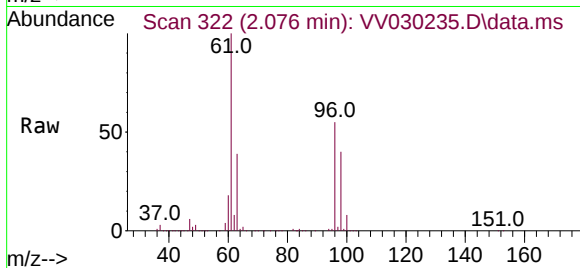




#12
1,1-Dichloroethene
Concen: 23.678 ug/L
RT: 2.076 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030235.D
Acq: 17 Mar 2023 15:00

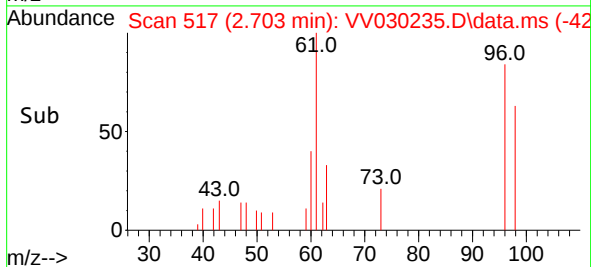
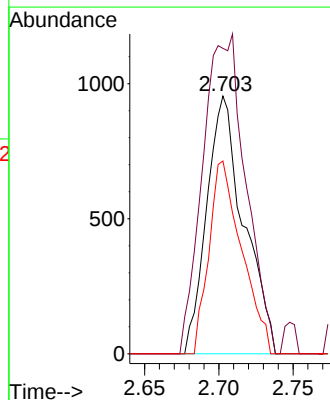
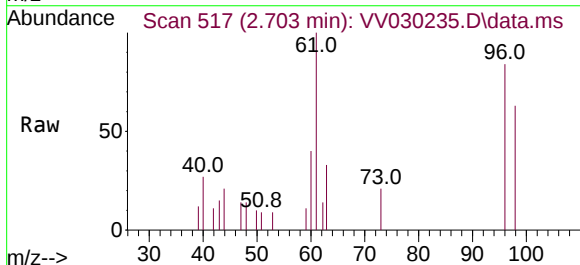
Instrument :
MSVOA_V
ClientSampleId :
H0A24

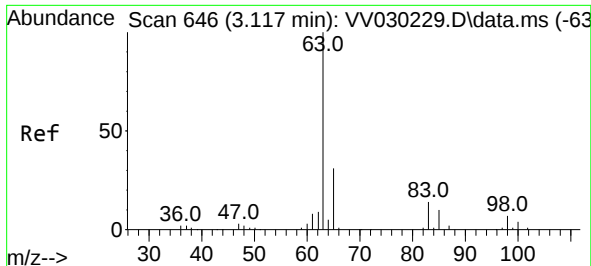
Tgt Ion: 96 Resp: 196849
Ion Ratio Lower Upper
96 100
61 181.4 115.6 214.6
63 70.5 85.6 159.0#



#18
trans-1,2-Dichloroethene
Concen: 0.210 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV030235.D
Acq: 17 Mar 2023 15:00

Tgt Ion: 96 Resp: 1661
Ion Ratio Lower Upper
96 100
61 118.6 91.0 169.0
98 74.8 45.2 84.0





#19

1,1-Dichloroethane

Concen: 1.186 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV030235.D

Acq: 17 Mar 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

H0A24

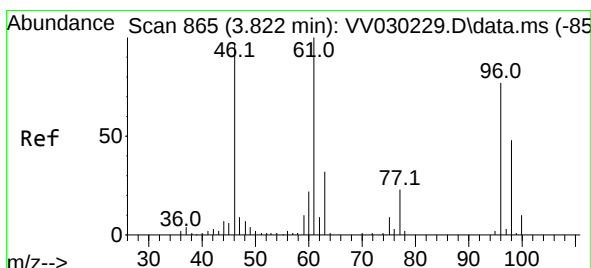
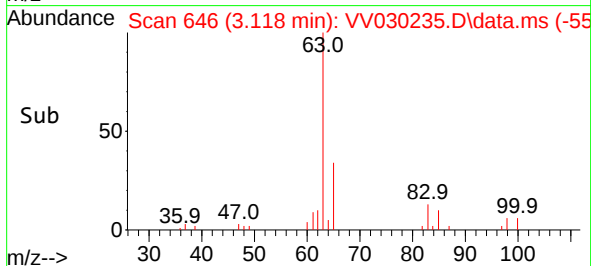
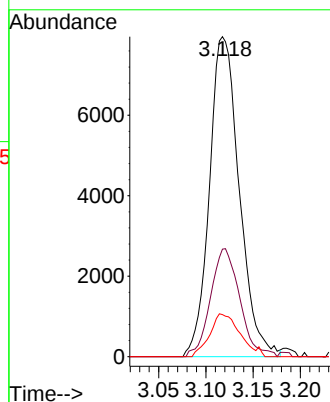
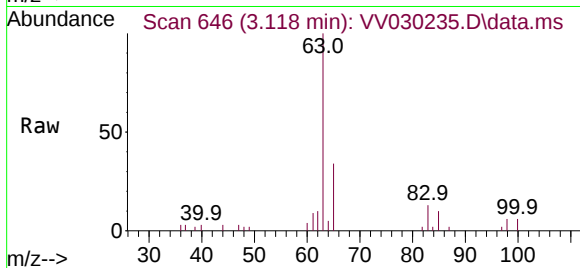
Tgt Ion: 63 Resp: 17471

Ion Ratio Lower Upper

63 100

65 33.6 23.0 42.8

83 13.2 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 30.874 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV030235.D

Acq: 17 Mar 2023 15:00

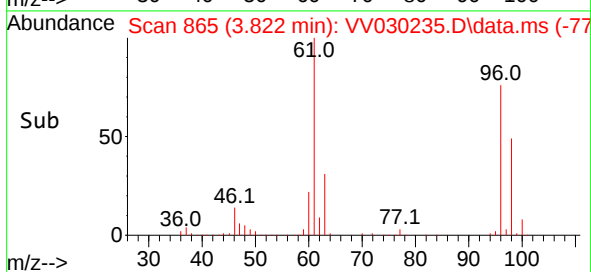
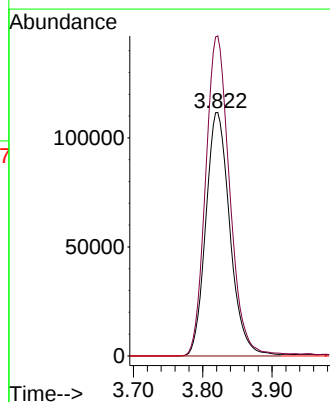
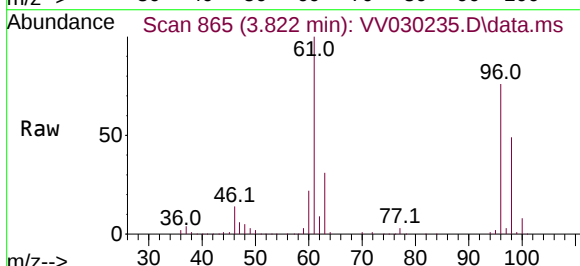
Tgt Ion: 96 Resp: 269878

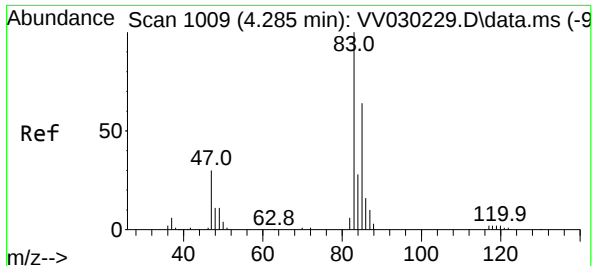
Ion Ratio Lower Upper

96 100

61 131.4 83.4 154.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 3.403 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV030235.D

Acq: 17 Mar 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

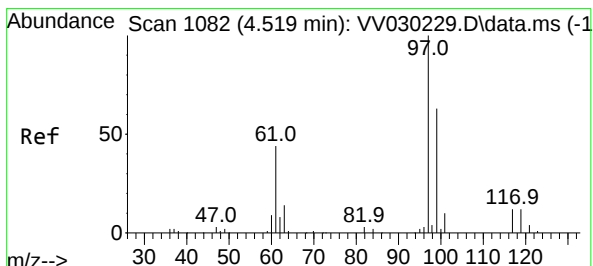
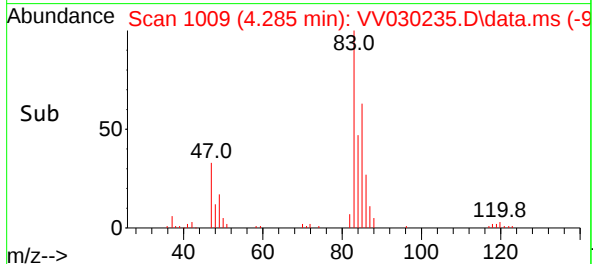
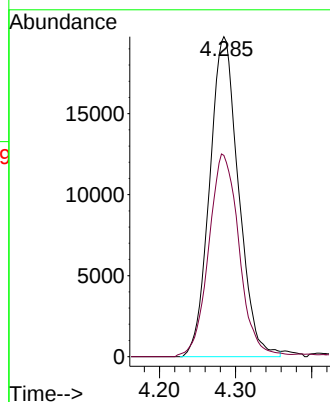
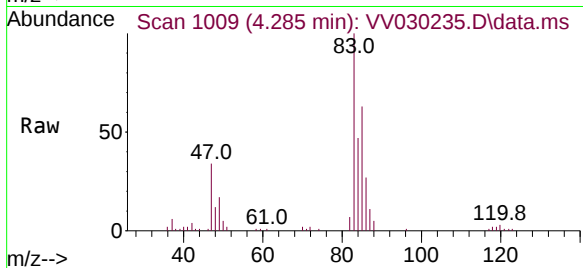
H0A24

Tgt Ion: 83 Resp: 52147

Ion Ratio Lower Upper

83 100

85 62.9 46.5 86.5



#29

1,1,1-Trichloroethane

Concen: 68.923 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV030235.D

Acq: 17 Mar 2023 15:00

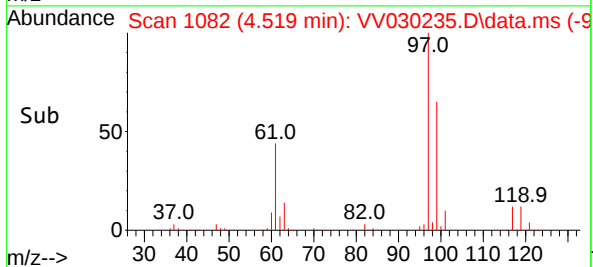
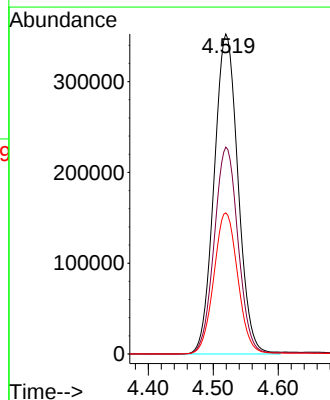
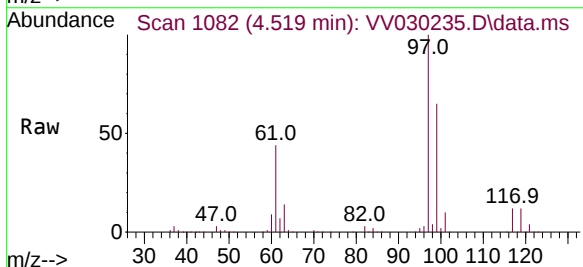
Tgt Ion: 97 Resp: 900312

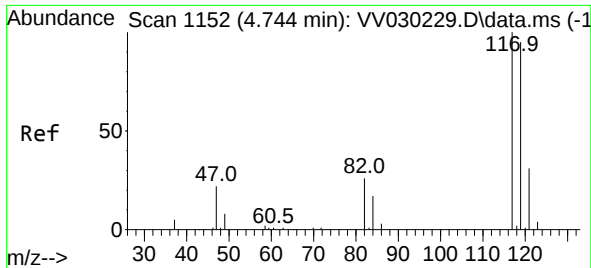
Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

61 44.4 31.5 47.3

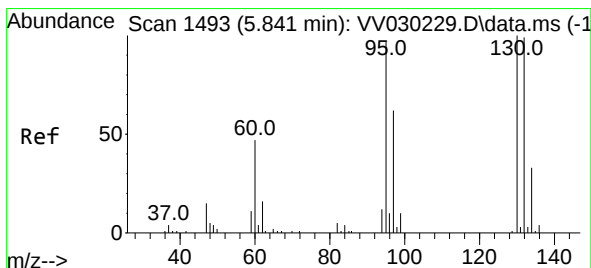
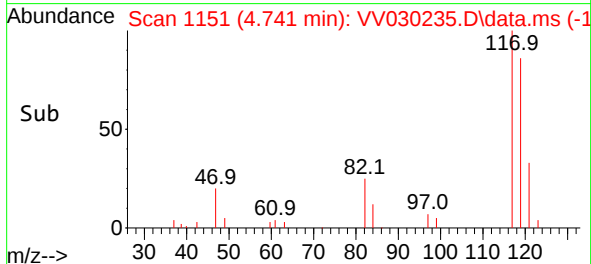
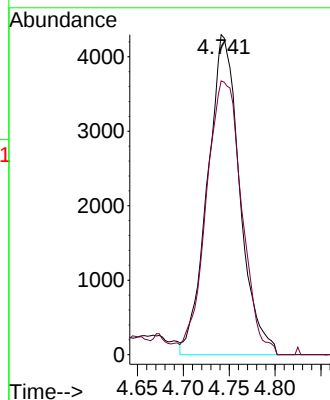
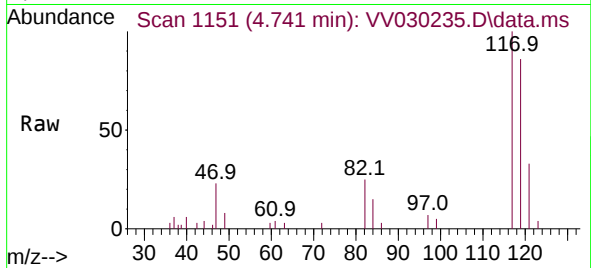




#31
Carbon tetrachloride
Concen: 0.892 ug/L
RT: 4.741 min Scan# 1152
Delta R.T. -0.003 min
Lab File: VV030235.D
Acq: 17 Mar 2023 15:00

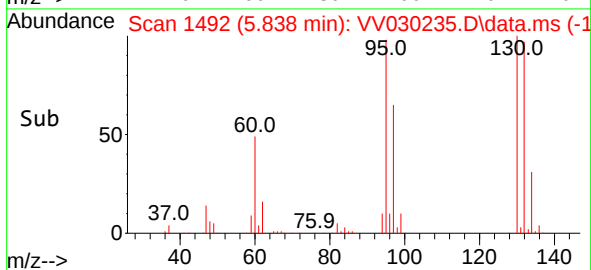
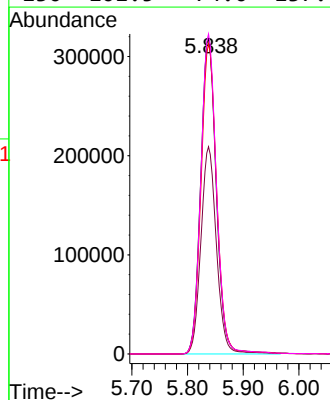
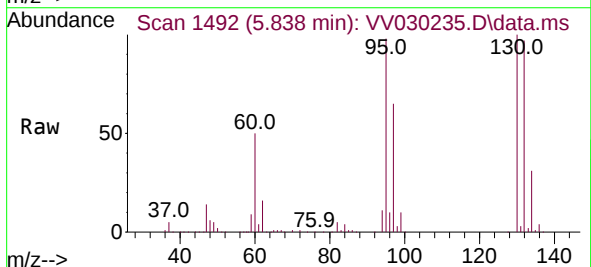
Instrument :
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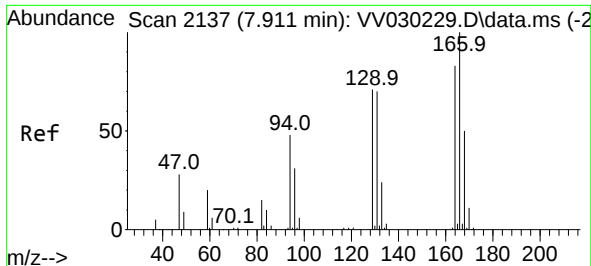
Tgt Ion:117 Resp: 10468
Ion Ratio Lower Upper
117 100
119 94.4 76.1 114.1



#34
Trichloroethene
Concen: 73.096 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV030235.D
Acq: 17 Mar 2023 15:00

Tgt Ion: 95 Resp: 622014
Ion Ratio Lower Upper
95 100
97 65.7 46.5 86.5
132 98.5 71.7 133.3
130 101.5 74.0 137.4





#47

Tetrachloroethene

Concen: 1539.035 ug/L

RT: 7.928 min Scan# 2137

Delta R.T. 0.016 min

Lab File: VV030235.D

Acq: 17 Mar 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

H0A24

Tgt Ion:164 Resp:11241586

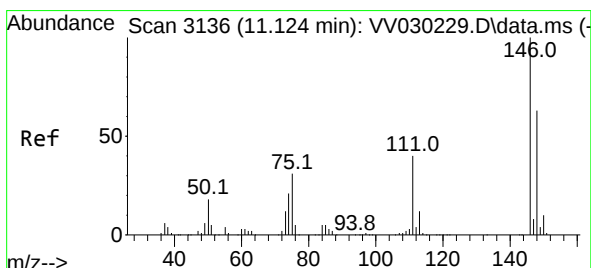
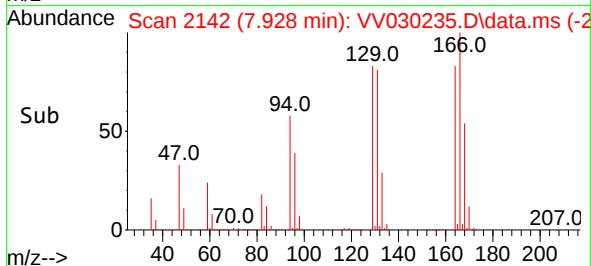
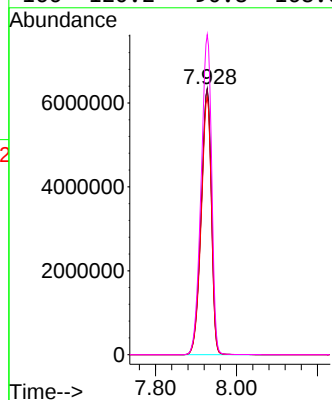
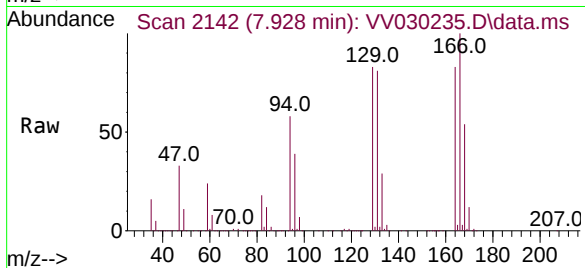
Ion Ratio Lower Upper

164 100

129 99.5 63.6 118.2

131 96.8 61.7 114.7

166 120.2 90.8 168.6



#64

1,3-Dichlorobenzene

Concen: 0.226 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.006 min

Lab File: VV030235.D

Acq: 17 Mar 2023 15:00

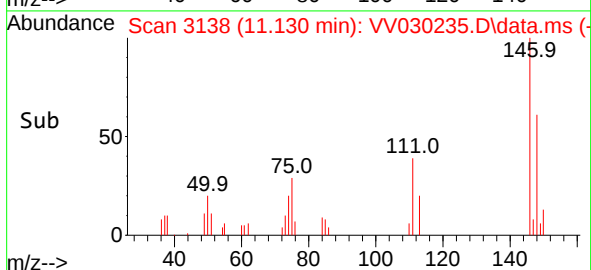
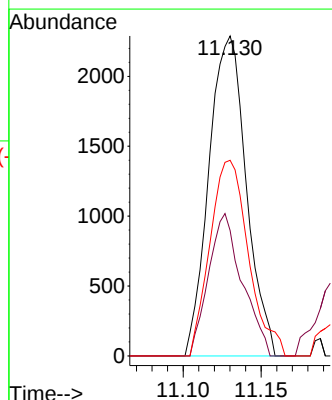
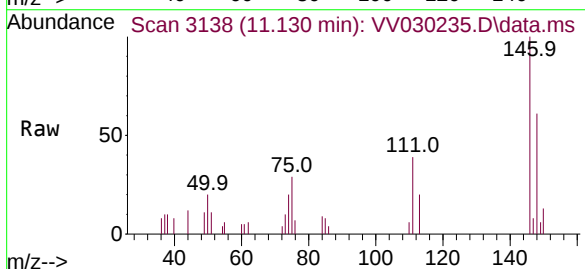
Tgt Ion:146 Resp: 3814

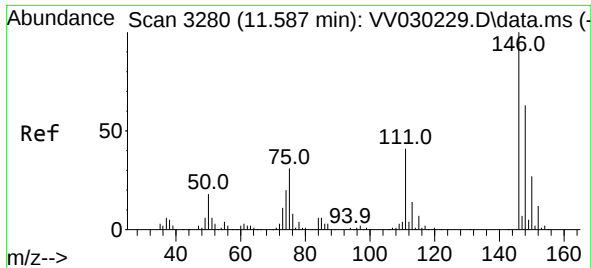
Ion Ratio Lower Upper

146 100

111 39.2 27.7 51.5

148 61.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.107 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030235.D

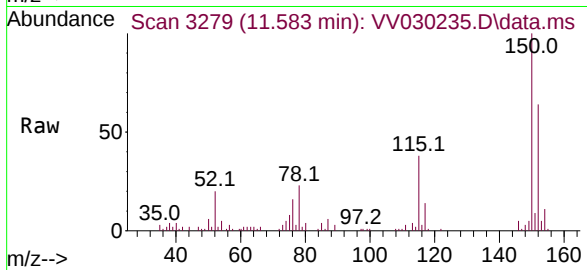
Acq: 17 Mar 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion:	146	Resp:	1588
Ion	Ratio	Lower	Upper
146	100		
111	58.6	33.5	50.3#
148	64.0	51.3	76.9

