

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032923\
 Data File : VV030329.D
 Acq On : 29 Mar 2023 16:06
 Operator : SY/MD
 Sample : 02099-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AA9

Quant Time: Mar 30 02:12:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 30 01:55:26 2023
 Response via : Initial Calibration

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

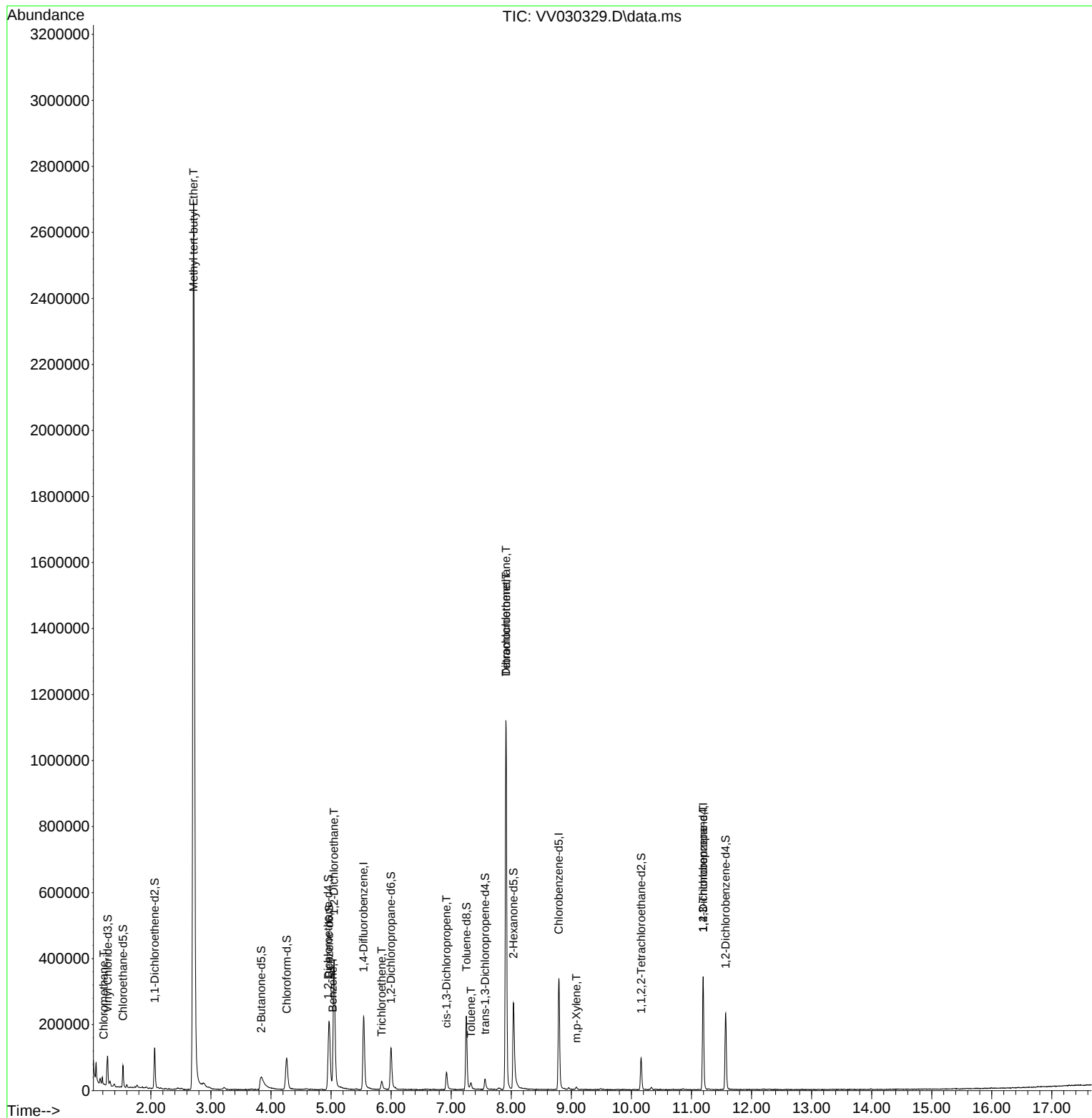
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	189040	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	185349	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	87659	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	37449	2.991	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.800%
7) Chloroethane-d5	1.536	69	39847	3.280	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.600%
11) 1,1-Dichloroethene-d2	2.063	63	65406	2.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.000%#
20) 2-Butanone-d5	3.838	46	110355	34.101	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	68.200%
24) Chloroform-d	4.262	84	102423	3.380	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.600%#
26) 1,2-Dichloroethane-d4	4.953	65	52007	3.638	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
32) Benzene-d6	4.970	84	180862	3.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.200%#
36) 1,2-Dichloropropane-d6	5.998	67	61102	3.737	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.800%
41) Toluene-d8	7.252	98	147300	3.071	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.400%#
43) trans-1,3-Dichloroprop...	7.564	79	19572	3.179	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.600%
46) 2-Hexanone-d5	8.037	63	102298	41.351	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.700%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	44930	3.486	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	59547	3.801	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.000%#
Target Compounds						
3) Chloromethane	1.217	50	2965	0.098	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	2719168	81.283	ug/L	99
27) 1,2-Dichloroethane	5.050	62	374527	19.002	ug/L	97
33) Benzene	5.027	78	10871	0.165	ug/L	100
34) Trichloroethene	5.844	95	9052	0.510	ug/L	89
39) cis-1,3-Dichloropropene	6.921	75	1564	0.066	ug/L #	52
42) Toluene	7.330	91	12767	0.182	ug/L	97
47) Tetrachloroethene	7.912	164	247585	15.800	ug/L	94
49) Dibromochloromethane	7.912	129	218775	15.444	ug/L #	12
53) m,p-Xylene	9.085	106	2024	0.069	ug/L	98
61) 1,2,3-Trichloropropane	11.194	75	10627	1.356	ug/L #	68

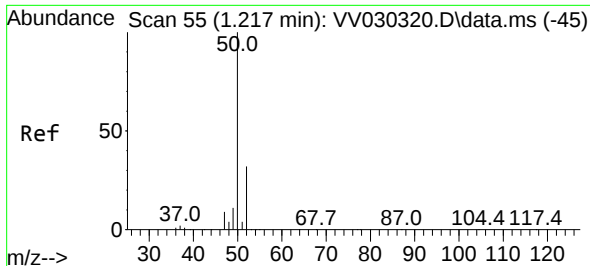
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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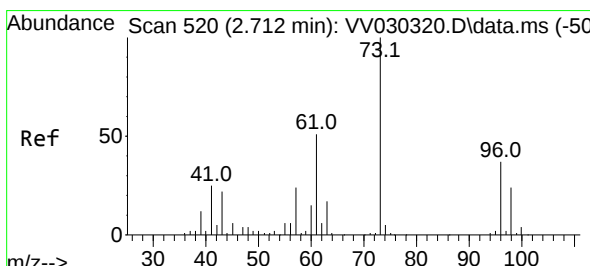
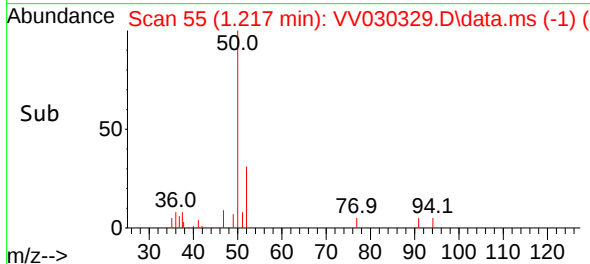
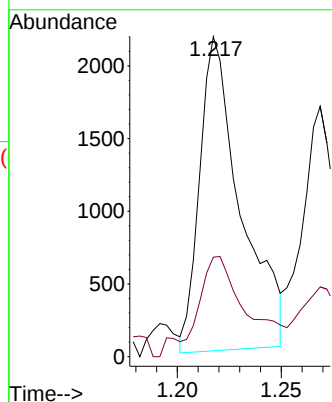
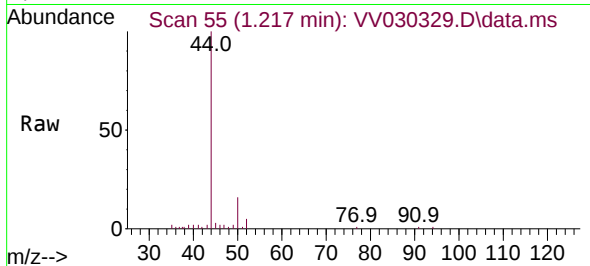




#3
Chloromethane
Concen: 0.098 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030329.D
Acq: 29 Mar 2023 16:06

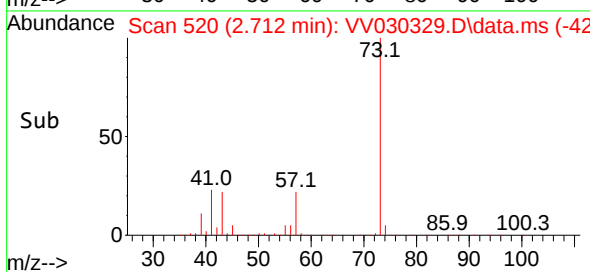
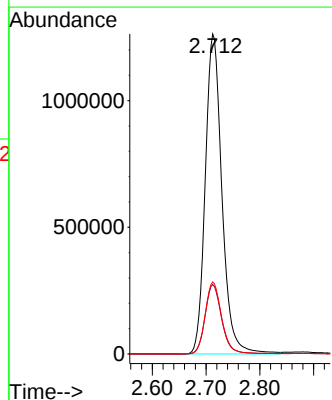
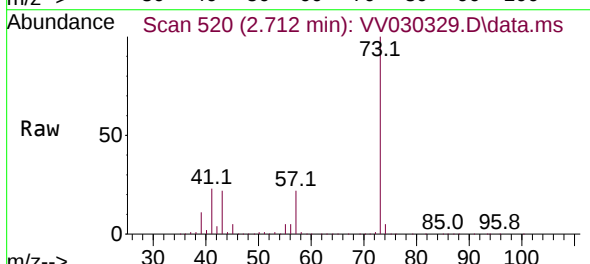
Instrument :
MSVOA_V
ClientSampleId :
H0AA9

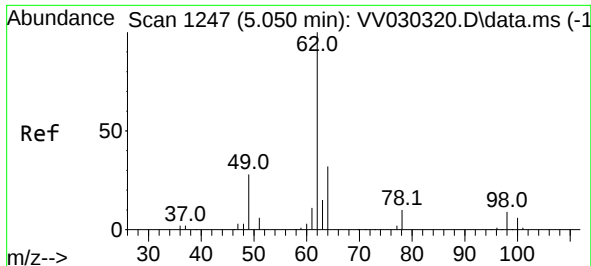
Tgt Ion: 50 Resp: 2965
Ion Ratio Lower Upper
50 100
52 31.1 22.3 41.5



#17
Methyl tert-butyl Ether
Concen: 81.283 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.000 min
Lab File: VV030329.D
Acq: 29 Mar 2023 16:06

Tgt Ion: 73 Resp: 2719168
Ion Ratio Lower Upper
73 100
43 21.6 17.4 26.2
57 22.4 18.3 27.5





#27

1,2-Dichloroethane

Concen: 19.002 ug/L

RT: 5.050 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV030329.D

Acq: 29 Mar 2023 16:06

Instrument :

MSVOA_V

ClientSampleId :

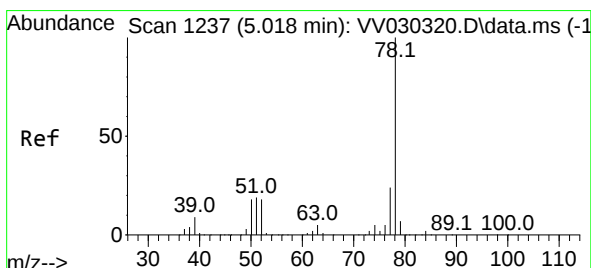
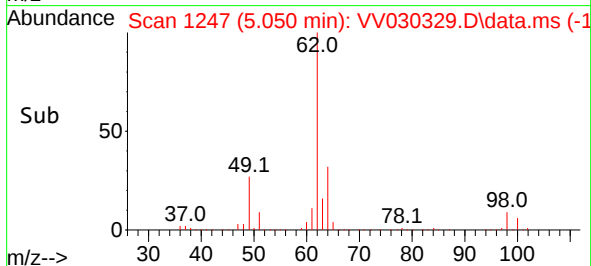
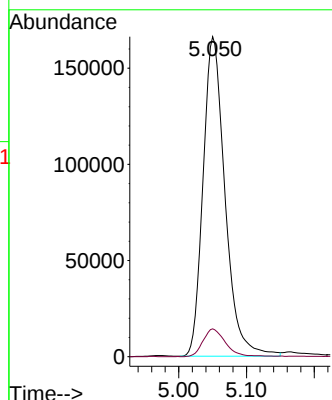
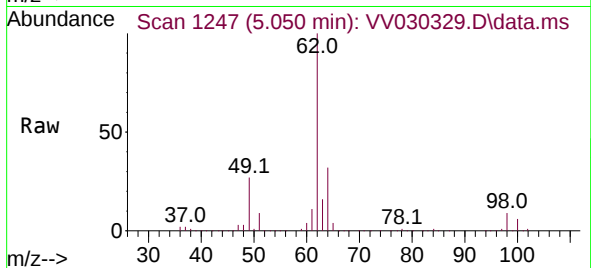
H0AA9

Tgt Ion: 62 Resp: 374527

Ion Ratio Lower Upper

62 100

98 8.7 7.8 11.8



#33

Benzene

Concen: 0.165 ug/L

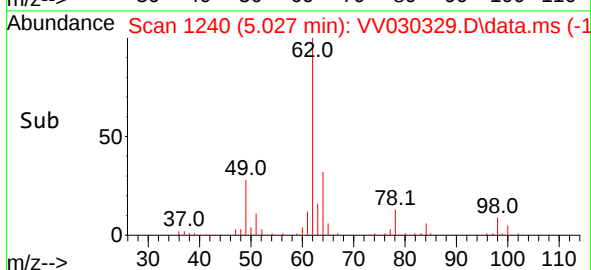
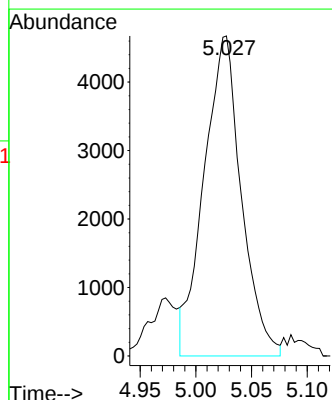
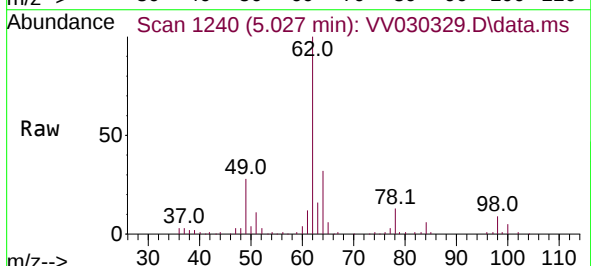
RT: 5.027 min Scan# 1240

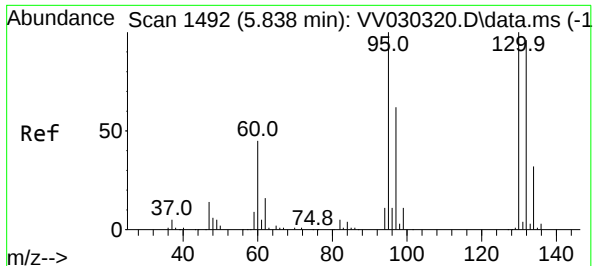
Delta R.T. 0.010 min

Lab File: VV030329.D

Acq: 29 Mar 2023 16:06

Tgt Ion: 78 Resp: 10871



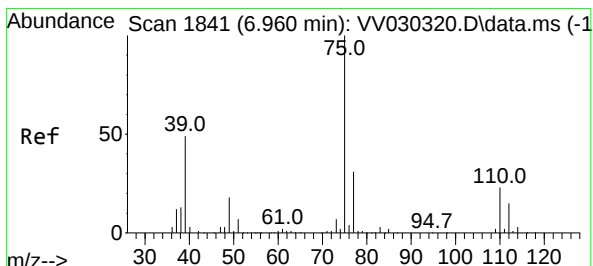
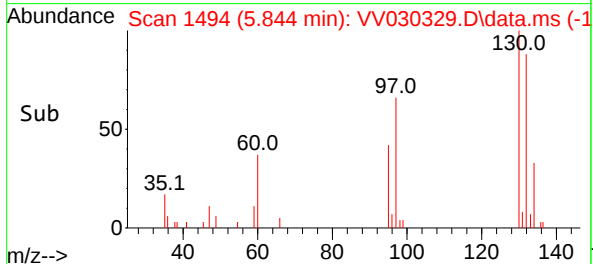
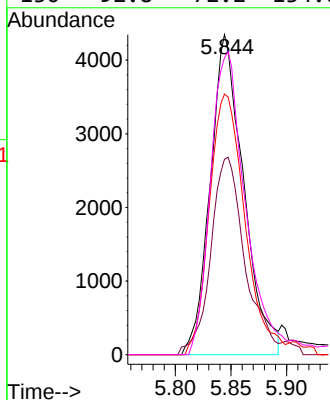
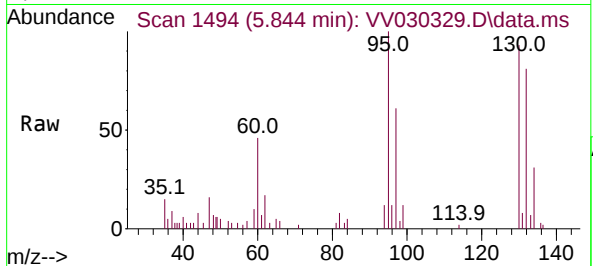


#34
Trichloroethene
Concen: 0.510 ug/L
RT: 5.844 min Scan# 1492
Delta R.T. 0.007 min
Lab File: VV030329.D
Acq: 29 Mar 2023 16:06

Instrument :
MSVOA_V
ClientSampleId :
H0AA9

Tgt Ion: 95 Resp: 9052

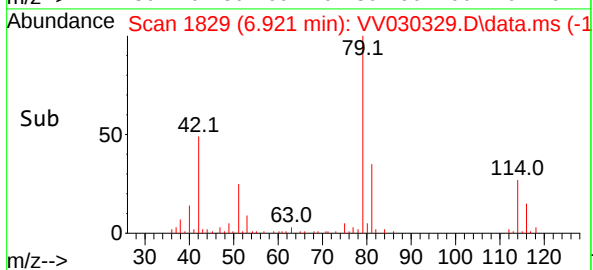
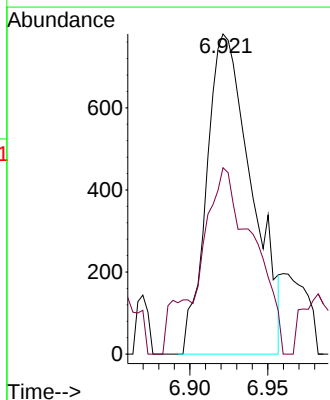
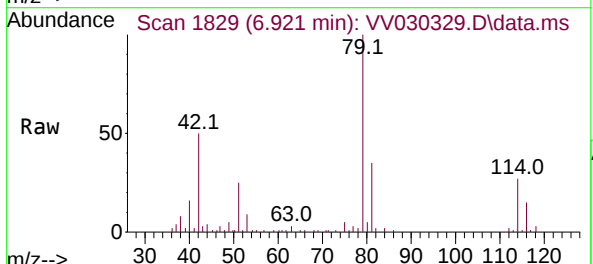
Ion	Ratio	Lower	Upper
95	100		
97	61.0	44.2	82.2
132	81.5	69.5	129.1
130	92.8	72.2	134.0

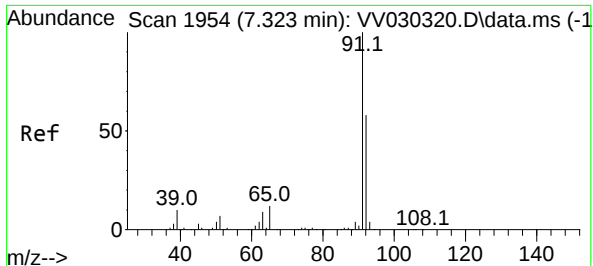


#39
cis-1,3-Dichloropropene
Concen: 0.066 ug/L
RT: 6.921 min Scan# 1829
Delta R.T. -0.038 min
Lab File: VV030329.D
Acq: 29 Mar 2023 16:06

Tgt Ion: 75 Resp: 1564

Ion	Ratio	Lower	Upper
75	100		
77	58.2	22.0	41.0#





#42

Toluene

Concen: 0.182 ug/L

RT: 7.330 min Scan# 1954

Delta R.T. 0.007 min

Lab File: VV030329.D

Acq: 29 Mar 2023 16:06

Instrument :

MSVOA_V

ClientSampleId :

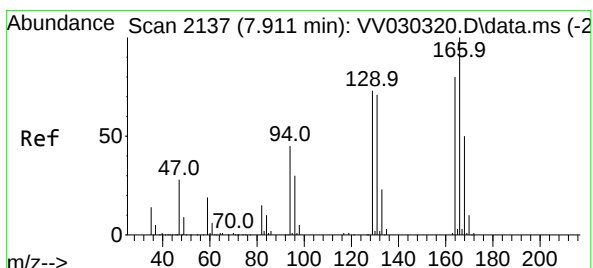
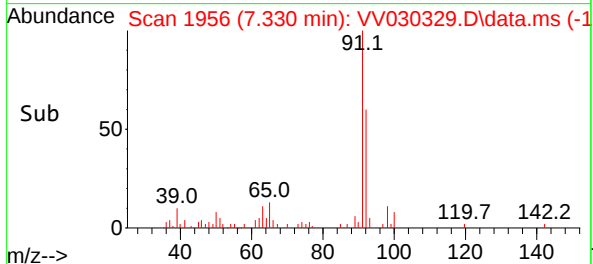
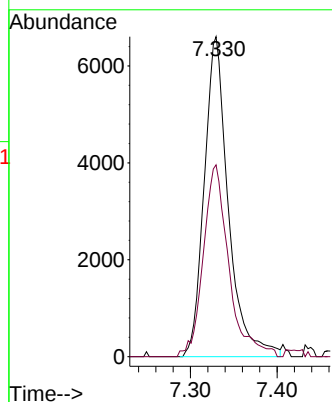
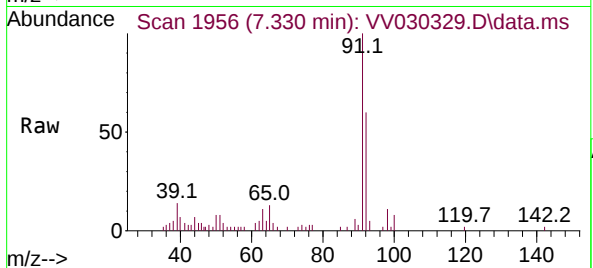
H0AA9

Tgt Ion: 91 Resp: 12767

Ion Ratio Lower Upper

91 100

92 59.9 40.4 75.0



#47

Tetrachloroethene

Concen: 15.800 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV030329.D

Acq: 29 Mar 2023 16:06

Tgt Ion: 164 Resp: 247585

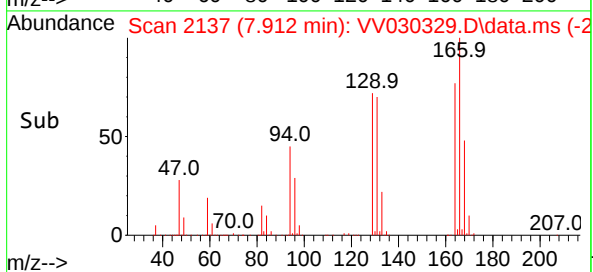
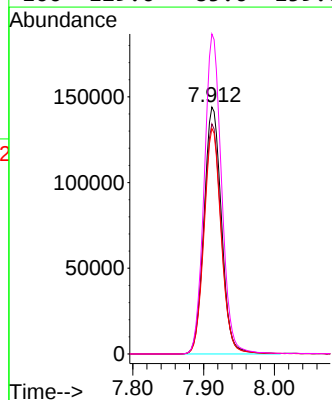
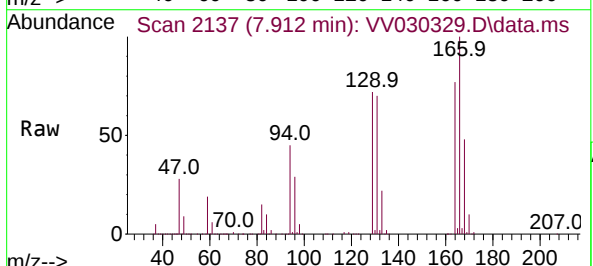
Ion Ratio Lower Upper

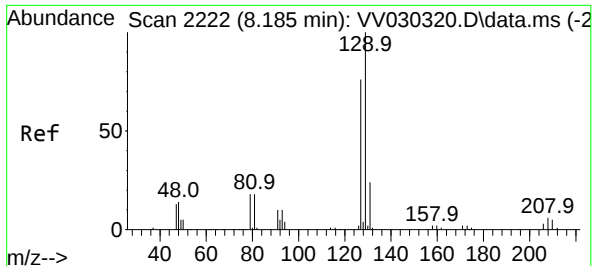
164 100

129 93.2 60.8 112.8

131 91.3 61.7 114.7

166 129.6 85.6 159.0





#49

Dibromochloromethane

Concen: 15.444 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. -0.273 min

Lab File: VV030329.D

Acq: 29 Mar 2023 16:06

Instrument :

MSVOA_V

ClientSampleId :

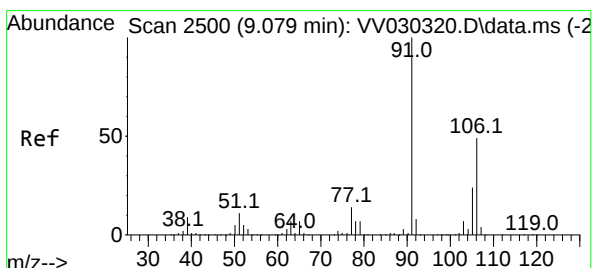
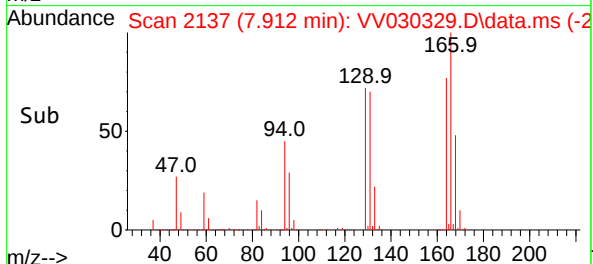
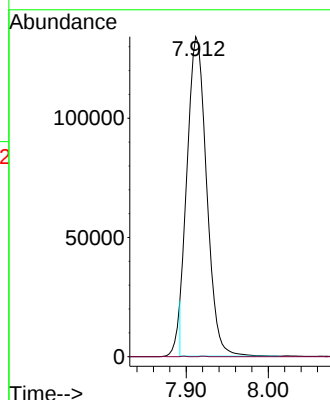
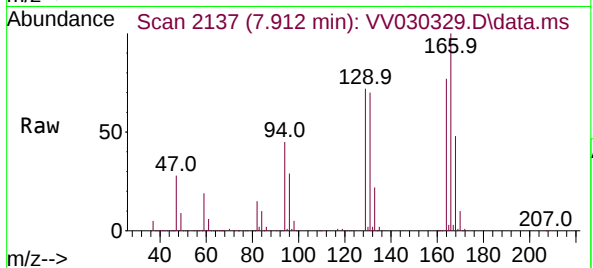
H0AA9

Tgt Ion:129 Resp: 218775

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#



#53

m,p-Xylene

Concen: 0.069 ug/L

RT: 9.085 min Scan# 2502

Delta R.T. 0.007 min

Lab File: VV030329.D

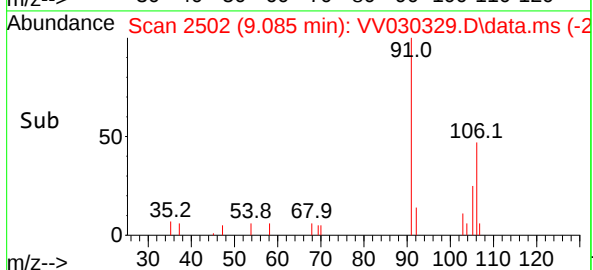
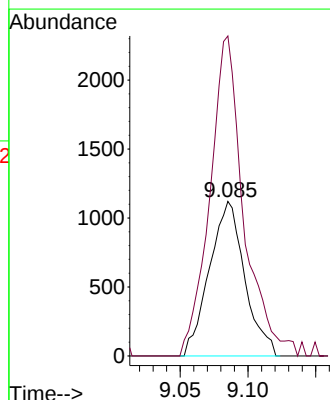
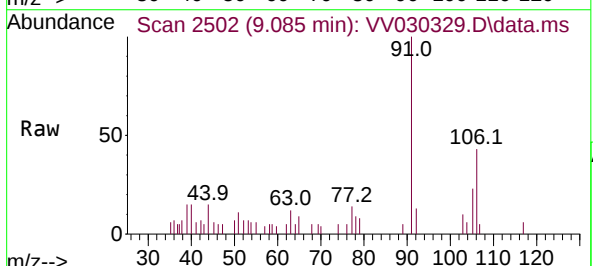
Acq: 29 Mar 2023 16:06

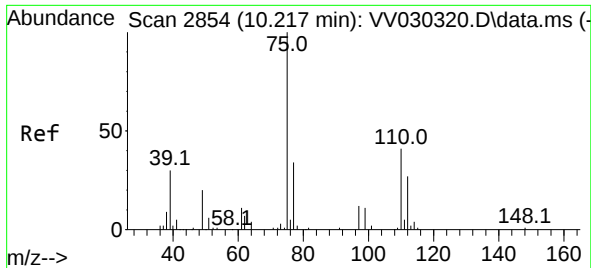
Tgt Ion:106 Resp: 2024

Ion Ratio Lower Upper

106 100

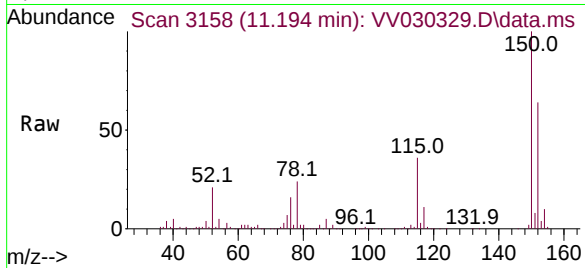
91 207.1 142.4 264.4





#61
 1,2,3-Trichloropropane
 Concen: 1.356 ug/L
 RT: 11.194 min Scan# 31
 Delta R.T. 0.978 min
 Lab File: VV030329.D
 Acq: 29 Mar 2023 16:06

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AA9



Tgt Ion: 75 Resp: 10627
 Ion Ratio Lower Upper
 75 100
 77 33.9 26.0 39.0
 110 5.1 31.6 47.4#

