

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021324\
 Data File : VW034159.D
 Acq On : 13 Feb 2024 17:56
 Operator : SY/MD
 Sample : P1402-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 14 01:45:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 14 01:41:00 2024
 Response via : Initial Calibration

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

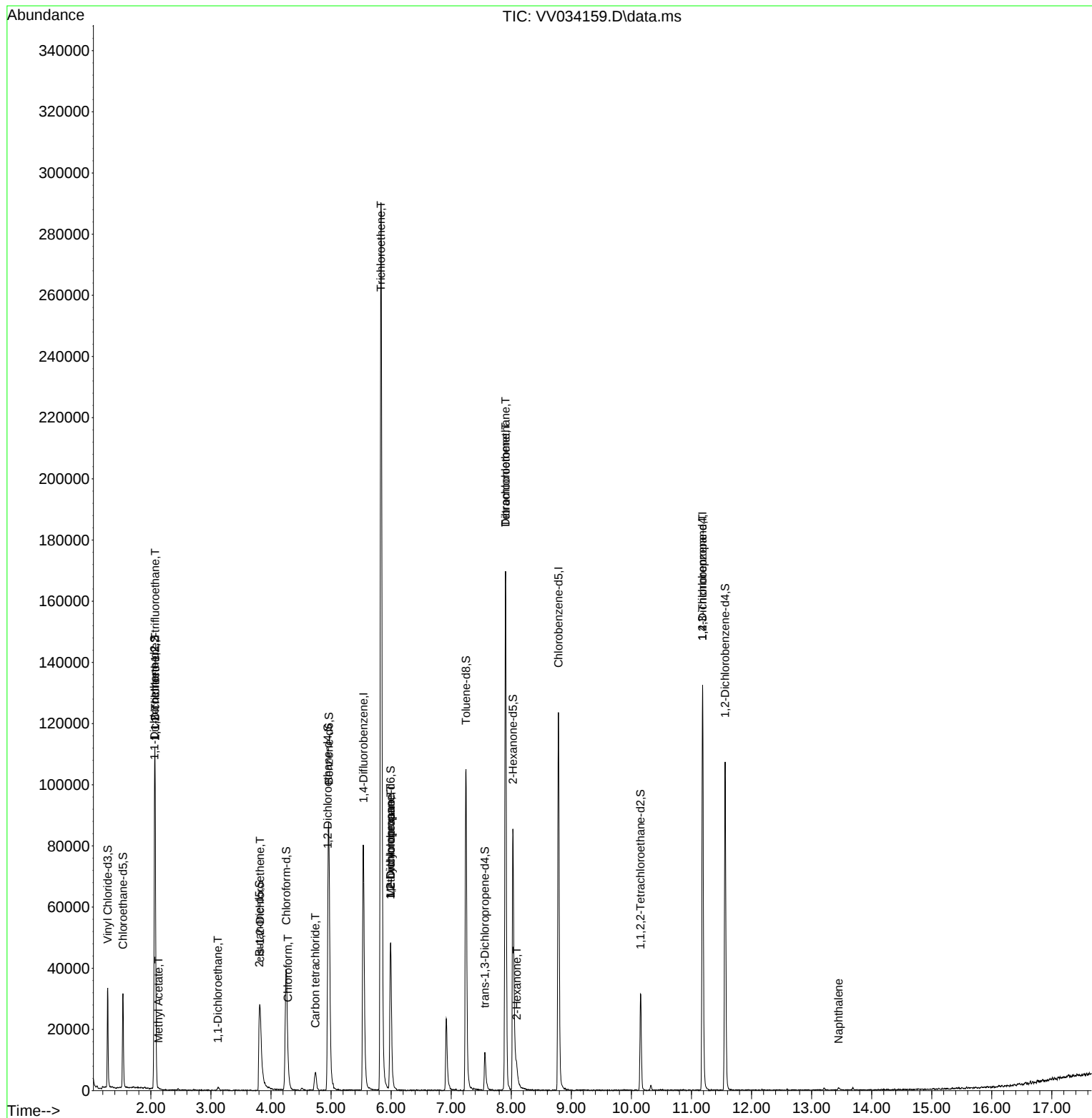
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	71066	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	66610	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	34923	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	20758	3.772	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.535	69	19069	3.956	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.200%
11) 1,1-Dichloroethene-d2	2.060	65	10513	3.961	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	3.805	46	38188	41.313	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.620%
24) Chloroform-d	4.252	84	42098	4.209	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	4.947	65	22488	4.811	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.200%
32) Benzene-d6	4.963	84	78501	3.928	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	5.992	67	22107	3.957	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.200%
41) Toluene-d8	7.246	98	72576	3.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	7.561	79	8806	4.175	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.400%
46) 2-Hexanone-d5	8.027	63	30732	40.812	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.620%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	14228	4.201	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	26747	4.211	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	6601	1.291	ug/L	96
12) 1,1-Dichloroethene	2.072	96	13915	2.803	ug/L	84
15) Methyl Acetate	2.127	43	426	0.257	ug/L #	53
19) 1,1-Dichloroethane	3.117	63	1532	0.165	ug/L #	83
22) cis-1,2-Dichloroethene	3.818	96	6083	1.060	ug/L	97
25) Chloroform	4.281	83	3374	0.359	ug/L	90
31) Carbon tetrachloride	4.738	117	4832	0.618	ug/L	97
34) Trichloroethene	5.831	95	98793	17.086	ug/L	98
35) Methylcyclohexane	5.992	83	5813	0.640	ug/L #	18
37) 1,2-Dichloropropane	5.989	63	3013	0.623	ug/L #	87
47) Tetrachloroethene	7.905	164	36561	7.782	ug/L	97
48) 2-Hexanone	8.091	43	5184	3.174	ug/L #	44
49) Dibromochloromethane	7.905	129	33028	9.301	ug/L #	11
61) 1,2,3-Trichloropropane	11.185	75	4173	1.738	ug/L #	60
71) Naphthalene	13.451	128	1330	0.149	ug/L #	71

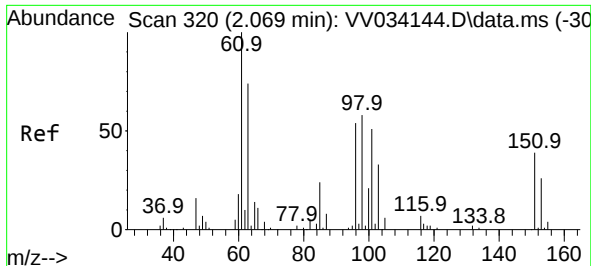
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 14 01:41:00 2024
Response via : Initial Calibration





#10

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

Concen: 1.291 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV034159.D

Acq: 13 Feb 2024 17:56

Instrument :

MSVOA_V

ClientSampleId :

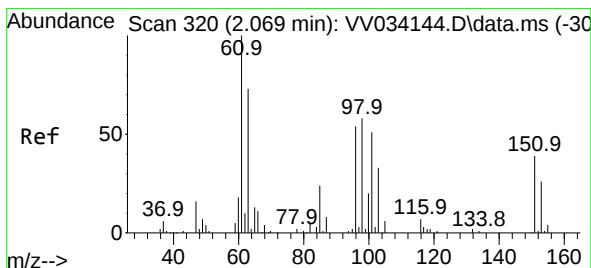
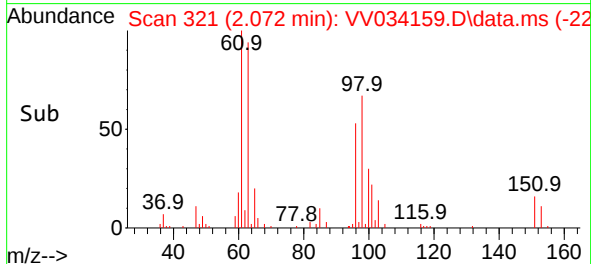
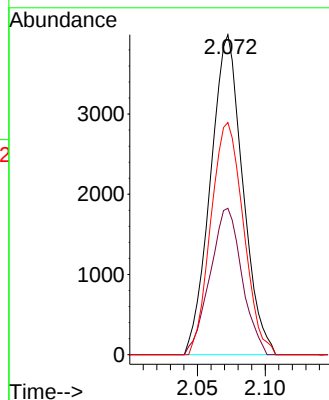
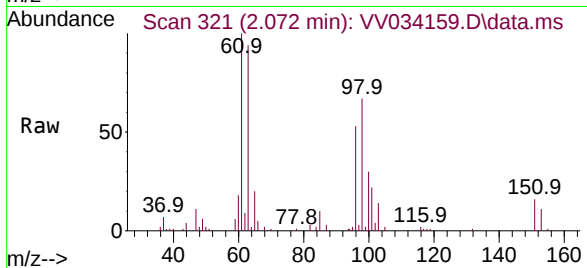
Tgt Ion:101 Resp: 6601

Ion Ratio Lower Upper

101 100

85 45.2 37.1 55.7

151 73.1 61.7 92.5



#12

1,1-Dichloroethene

Concen: 2.803 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV034159.D

Acq: 13 Feb 2024 17:56

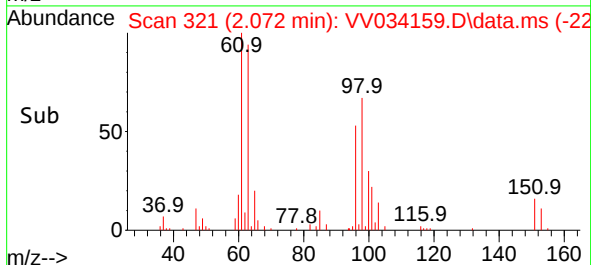
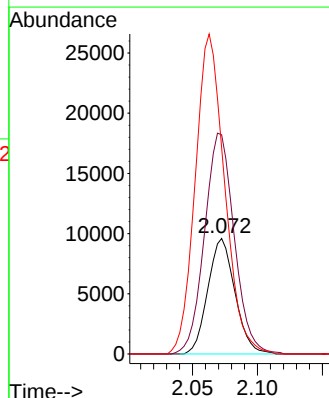
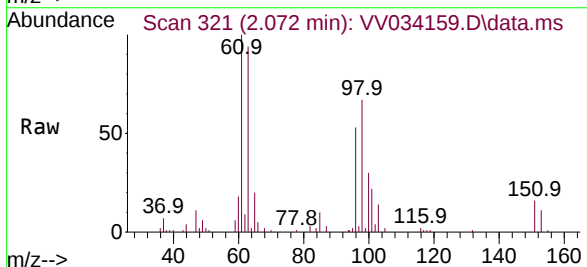
Tgt Ion: 96 Resp: 13915

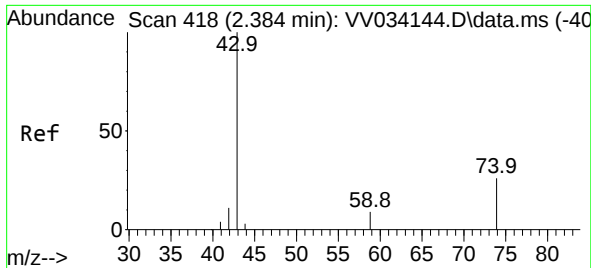
Ion Ratio Lower Upper

96 100

61 189.7 128.8 239.2

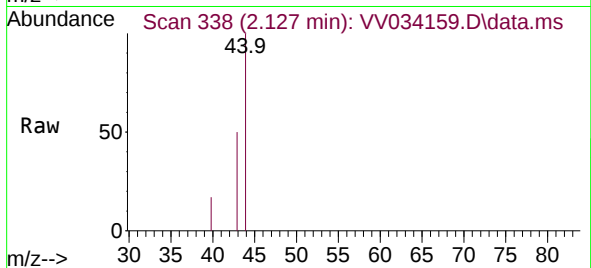
63 178.4 97.9 181.9



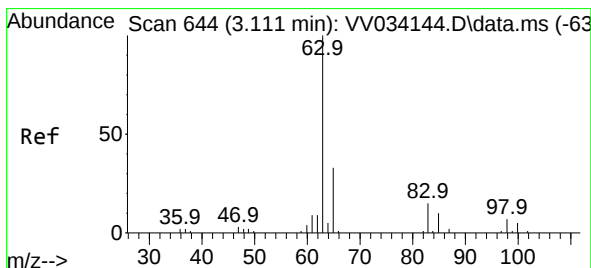
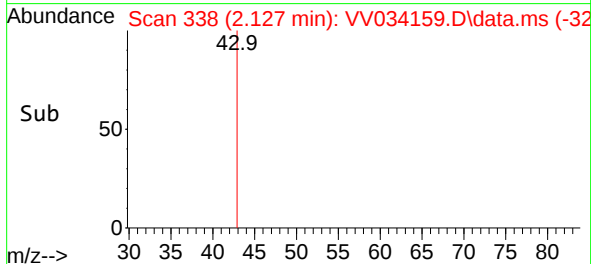
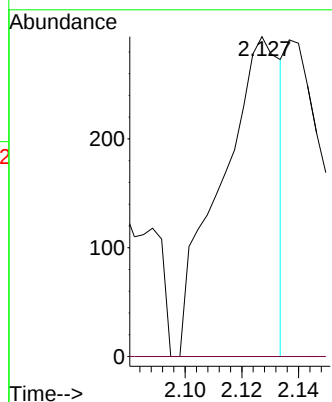


#15
Methyl Acetate
Concen: 0.257 ug/L
RT: 2.127 min Scan# 31
Delta R.T. -0.257 min
Lab File: VV034159.D
Acq: 13 Feb 2024 17:56

Instrument :
MSVOA_V
ClientSampleId :

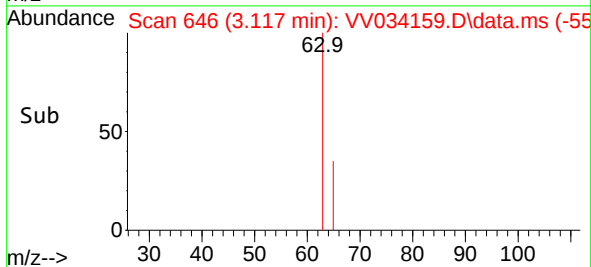
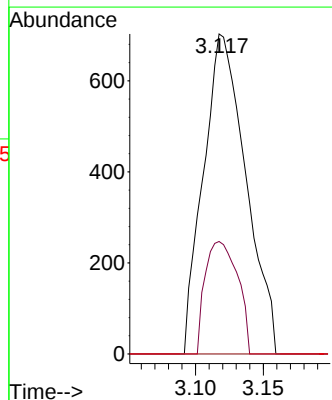
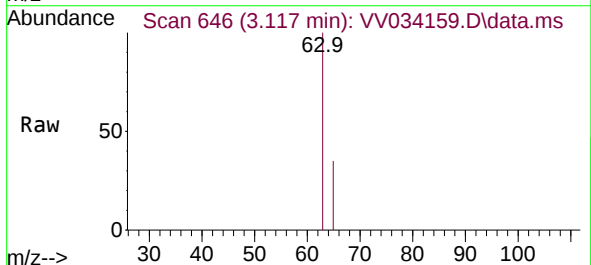


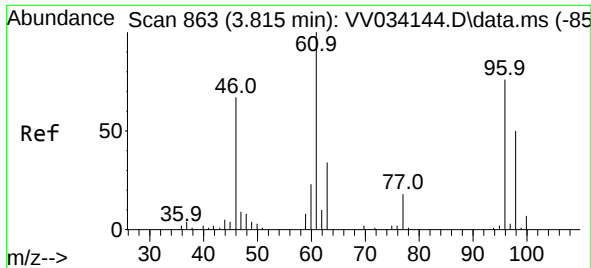
Tgt Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#



#19
1,1-Dichloroethane
Concen: 0.165 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.006 min
Lab File: VV034159.D
Acq: 13 Feb 2024 17:56

Tgt Ion: 63 Resp: 1532
Ion Ratio Lower Upper
63 100
65 35.1 20.8 38.6
83 0.0 9.4 17.4#

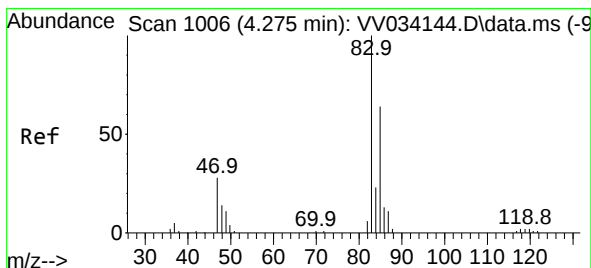
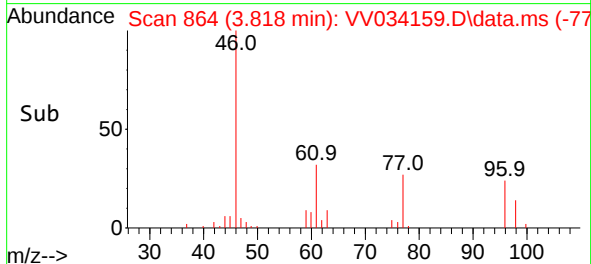
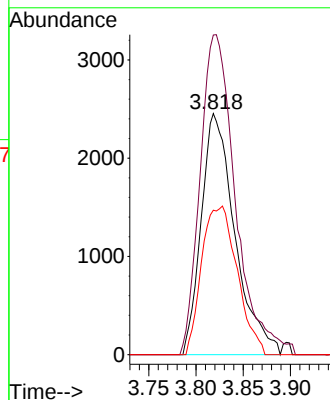
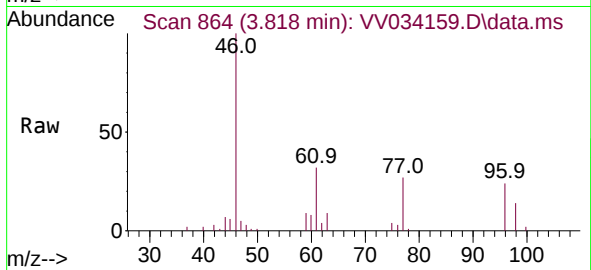




#22
 cis-1,2-Dichloroethene
 Concen: 1.060 ug/L
 RT: 3.818 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV034159.D
 Acq: 13 Feb 2024 17:56

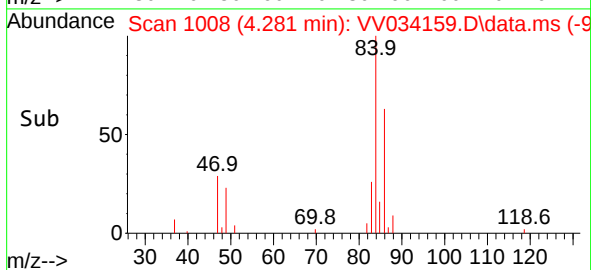
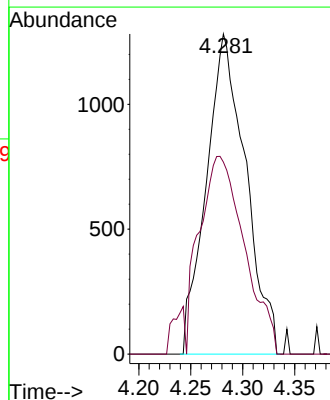
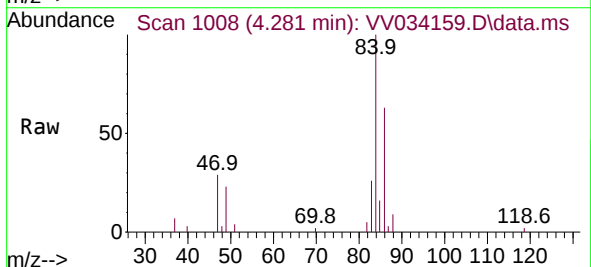
Instrument :
 MSVOA_V
 ClientSampleId :

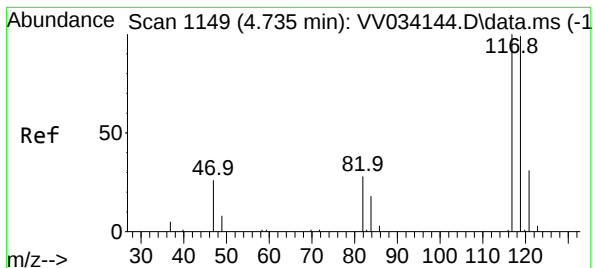
Tgt Ion: 96 Resp: 6083
 Ion Ratio Lower Upper
 96 100
 61 132.6 90.3 167.7
 98 59.9 43.2 80.2



#25
 Chloroform
 Concen: 0.359 ug/L
 RT: 4.281 min Scan# 1008
 Delta R.T. 0.006 min
 Lab File: VV034159.D
 Acq: 13 Feb 2024 17:56

Tgt Ion: 83 Resp: 3374
 Ion Ratio Lower Upper
 83 100
 85 60.0 47.5 88.1





#31

Carbon tetrachloride

Concen: 0.618 ug/L

RT: 4.738 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV034159.D

Acq: 13 Feb 2024 17:56

Instrument :

MSVOA_V

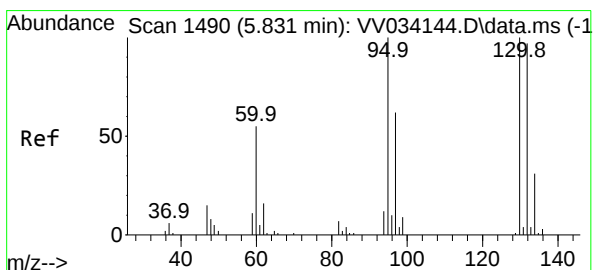
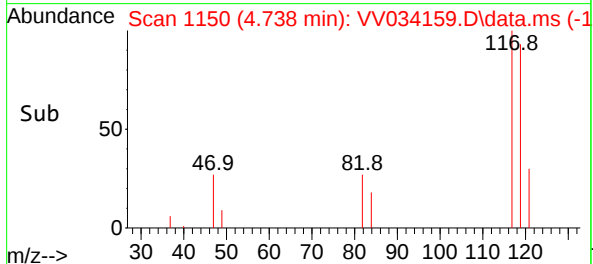
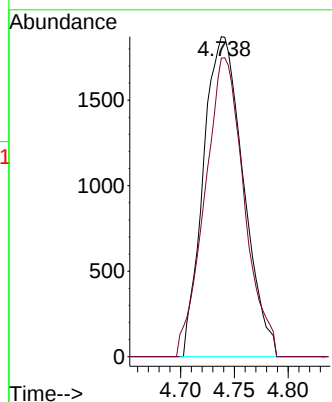
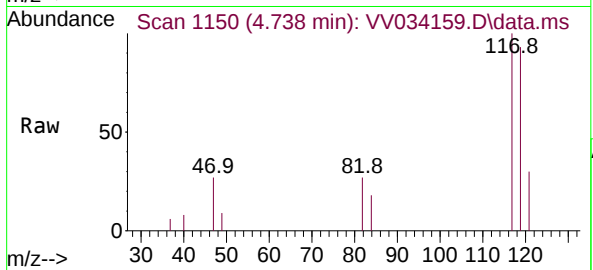
ClientSampleId :

Tgt Ion:117 Resp: 4832

Ion Ratio Lower Upper

117 100

119 92.0 76.1 114.1



#34

Trichloroethene

Concen: 17.086 ug/L

RT: 5.831 min Scan# 1490

Delta R.T. -0.000 min

Lab File: VV034159.D

Acq: 13 Feb 2024 17:56

Tgt Ion: 95 Resp: 98793

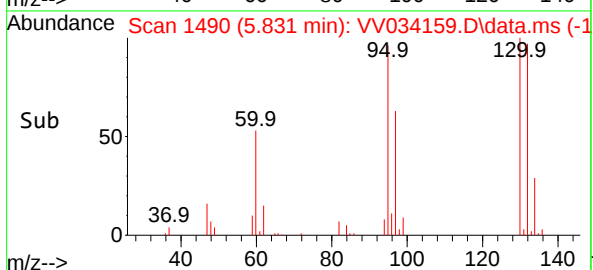
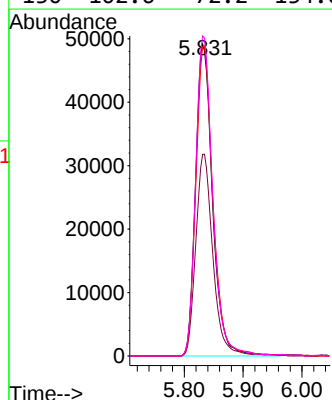
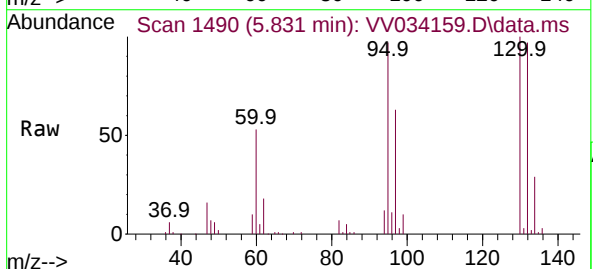
Ion Ratio Lower Upper

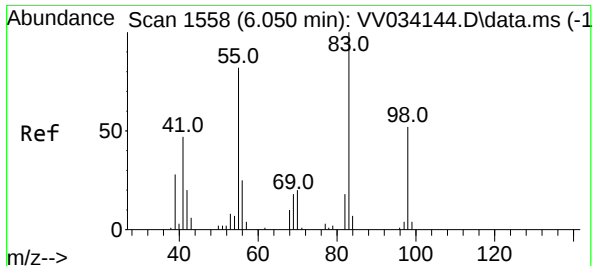
95 100

97 64.6 45.1 83.7

132 99.1 66.0 122.6

130 102.6 72.2 134.0





#35

Methylcyclohexane

Concen: 0.640 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.058 min

Lab File: VV034159.D

Acq: 13 Feb 2024 17:56

Instrument :

MSVOA_V

ClientSampleId :

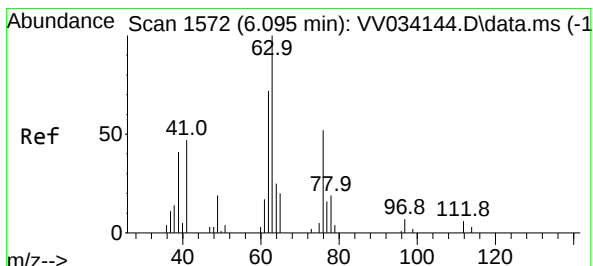
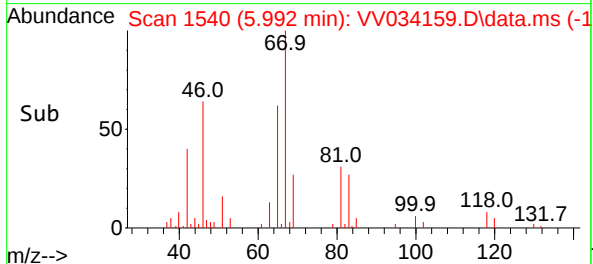
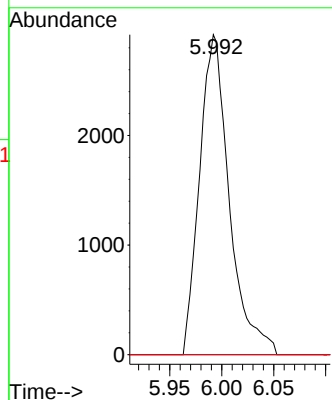
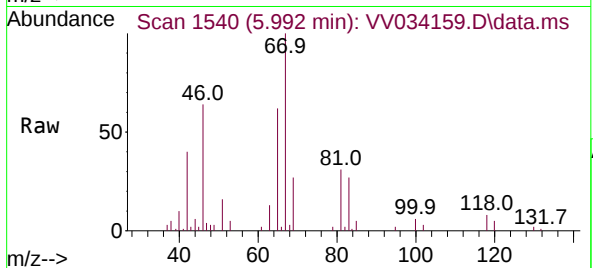
Tgt Ion: 83 Resp: 5813

Ion Ratio Lower Upper

83 100

55 0.0 63.5 95.3#

98 2.4 39.0 58.4#



#37

1,2-Dichloropropane

Concen: 0.623 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.106 min

Lab File: VV034159.D

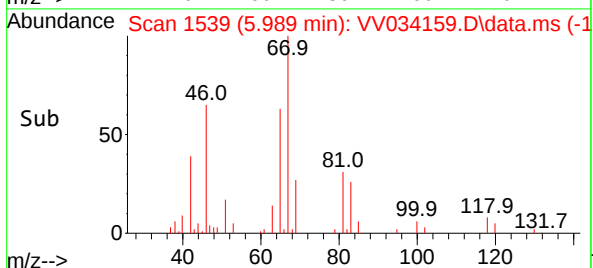
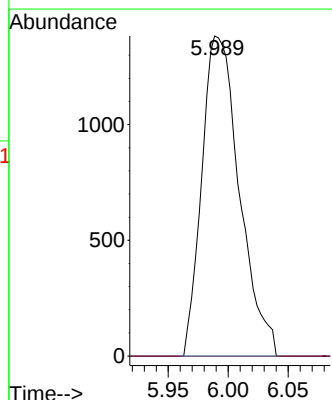
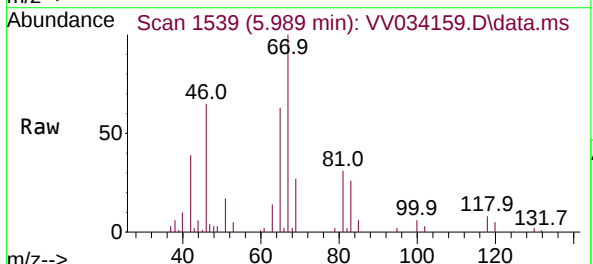
Acq: 13 Feb 2024 17:56

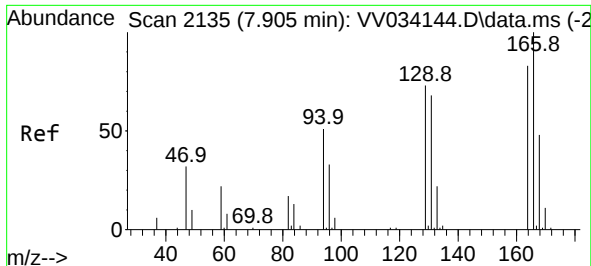
Tgt Ion: 63 Resp: 3013

Ion Ratio Lower Upper

63 100

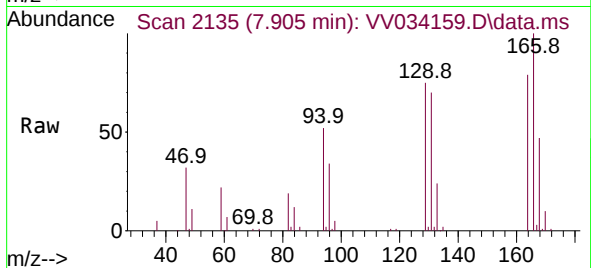
112 0.0 3.4 5.0#



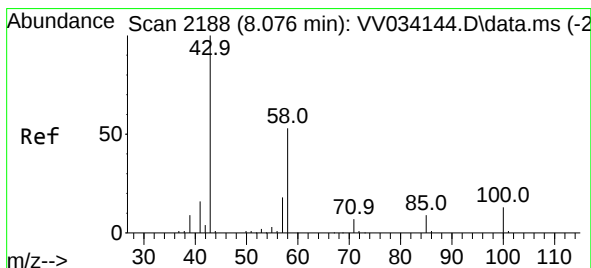
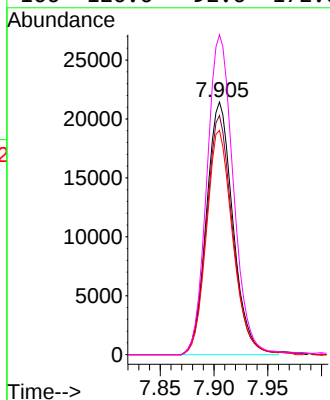
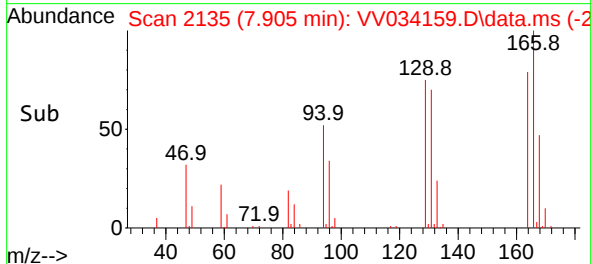


#47
Tetrachloroethene
Concen: 7.782 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.000 min
Lab File: VV034159.D
Acq: 13 Feb 2024 17:56

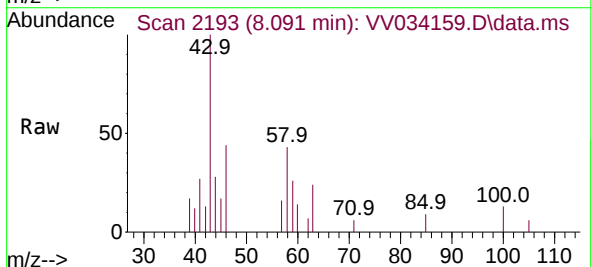
Instrument :
MSVOA_V
ClientSampleId :



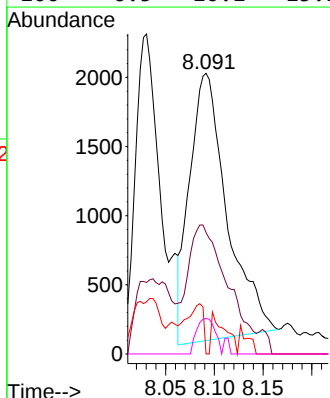
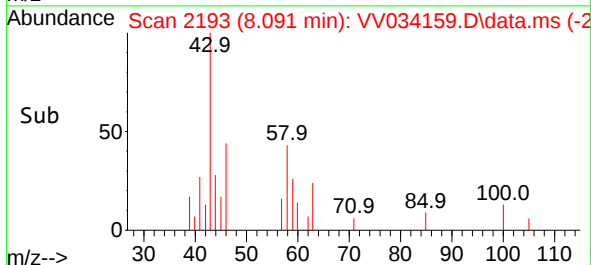
Tgt Ion:164 Resp: 36561
Ion Ratio Lower Upper
164 100
129 94.7 67.8 125.8
131 88.8 63.0 117.0
166 126.6 92.6 172.0

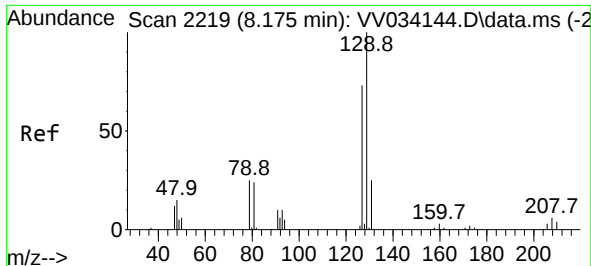


#48
2-Hexanone
Concen: 3.174 ug/L
RT: 8.091 min Scan# 2193
Delta R.T. 0.016 min
Lab File: VV034159.D
Acq: 13 Feb 2024 17:56



Tgt Ion: 43 Resp: 5184
Ion Ratio Lower Upper
43 100
58 0.0 42.6 64.0#
57 5.7 15.5 23.3#
100 6.5 10.1 15.1#

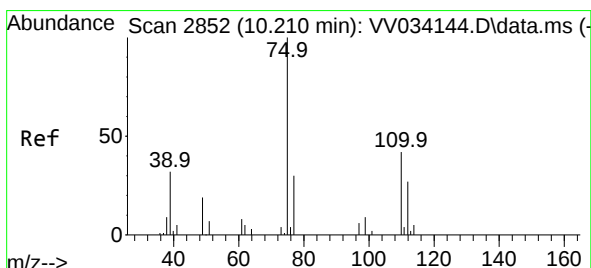
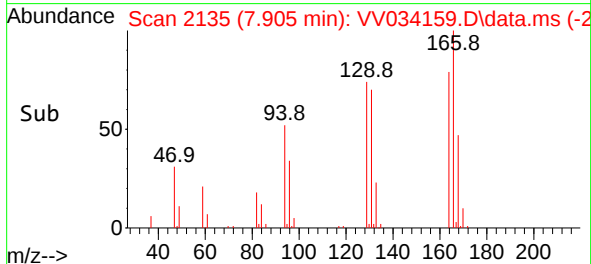
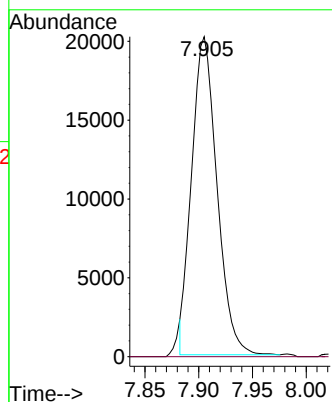
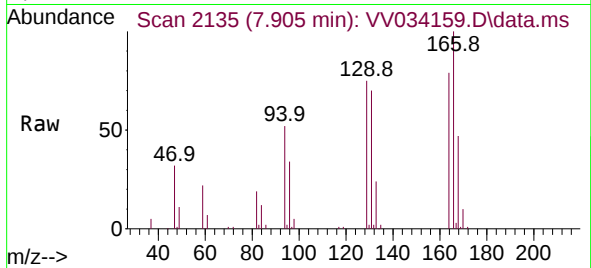




#49
Dibromochloromethane
Concen: 9.301 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. -0.270 min
Lab File: VV034159.D
Acq: 13 Feb 2024 17:56

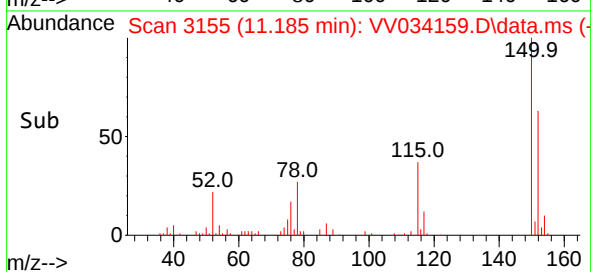
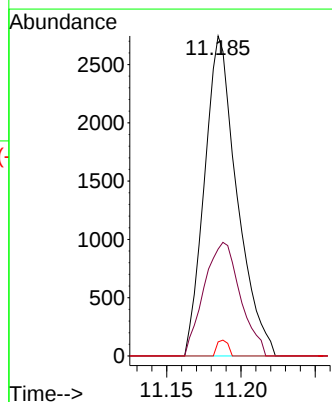
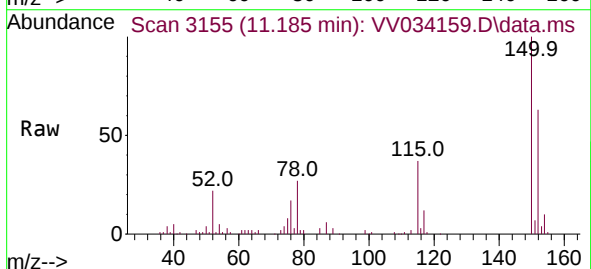
Instrument :
MSVOA_V
ClientSampleId :

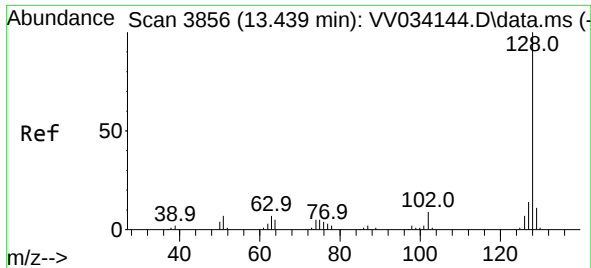
Tgt Ion:129 Resp: 33028
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#



#61
1,2,3-Trichloropropane
Concen: 1.738 ug/L
RT: 11.185 min Scan# 3155
Delta R.T. 0.974 min
Lab File: VV034159.D
Acq: 13 Feb 2024 17:56

Tgt Ion: 75 Resp: 4173
Ion Ratio Lower Upper
75 100
77 39.7 26.9 40.3
110 1.7 33.3 49.9#





#71

Naphthalene

Concen: 0.149 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.013 min

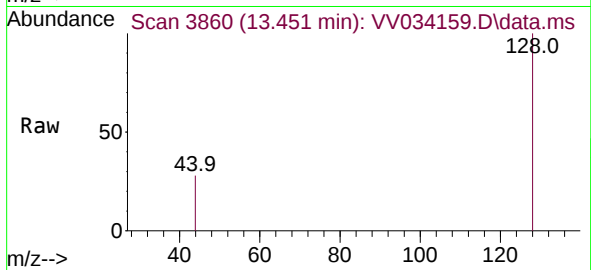
Lab File: VV034159.D

Acq: 13 Feb 2024 17:56

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:128 Resp: 1330

Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

127 1.5 10.4 15.6#

