

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021224\
 Data File : VW034128.D
 Acq On : 12 Feb 2024 10:36
 Operator : SY/MD
 Sample : P1402-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 13 00:44:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 13 00:43:48 2024
 Response via : Initial Calibration

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

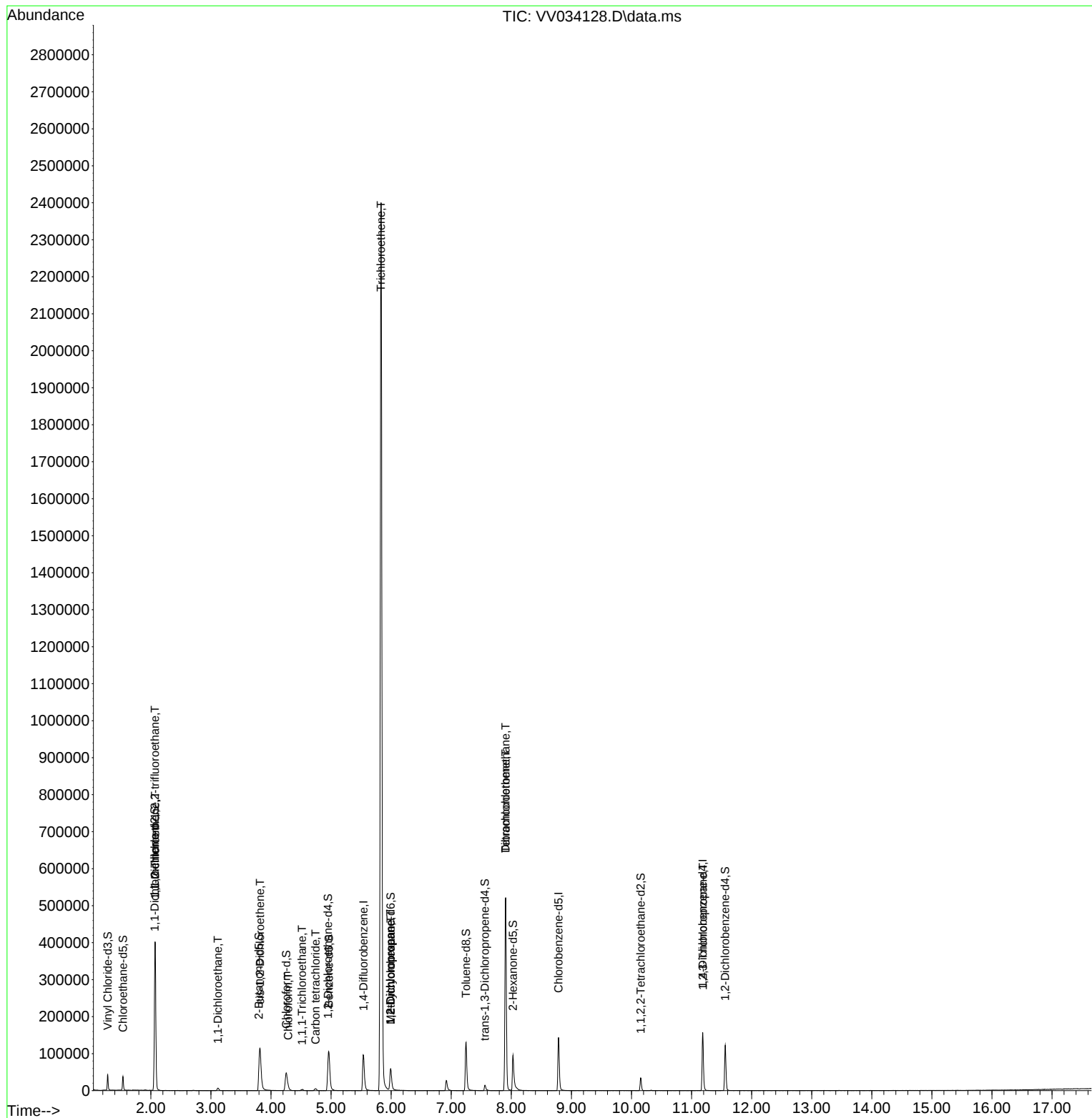
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	84465	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	78212	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	40163	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	26984	4.125	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.400%
7) Chloroethane-d5	1.535	69	23560	4.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.063	65	12912	4.093	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	3.799	46	41974	38.205	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.420%
24) Chloroform-d	4.256	84	50208	4.224	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	4.947	65	24884	4.480	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	4.963	84	95823	4.084	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.600%
36) 1,2-Dichloropropane-d6	5.992	67	26291	4.008	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.200%
41) Toluene-d8	7.246	98	88532	4.105	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	7.561	79	9692	3.913	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.200%
46) 2-Hexanone-d5	8.027	63	33420	37.798	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.600%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	15742	3.959	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	31698	4.340	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	27492	4.524	ug/L	98
12) 1,1-Dichloroethene	2.072	96	79047	13.396	ug/L #	78
19) 1,1-Dichloroethane	3.117	63	7364	0.667	ug/L	96
22) cis-1,2-Dichloroethene	3.818	96	55826	8.187	ug/L	96
25) Chloroform	4.284	83	6514	0.584	ug/L	83
29) 1,1,1-Trichloroethane	4.516	97	3256	0.310	ug/L	91
31) Carbon tetrachloride	4.741	117	3992	0.434	ug/L	92
34) Trichloroethene	5.831	95	784286	115.521	ug/L	98
35) Methylcyclohexane	5.992	83	6807	0.639	ug/L #	17
37) 1,2-Dichloropropane	5.989	63	3452	0.607	ug/L #	87
47) Tetrachloroethene	7.905	164	111390	20.192	ug/L	95
49) Dibromochloromethane	7.905	129	98857	23.709	ug/L #	11
61) 1,2,3-Trichloropropane	11.188	75	4749	1.720	ug/L #	63

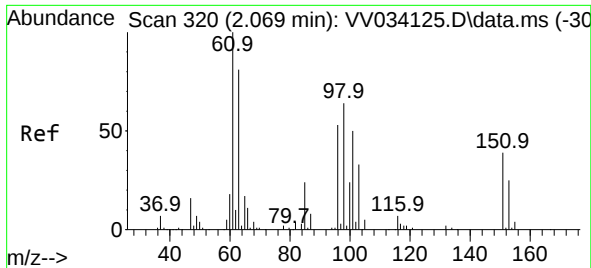
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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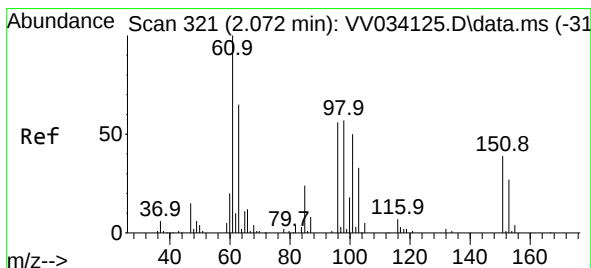
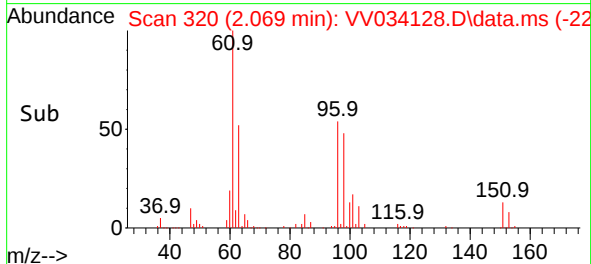
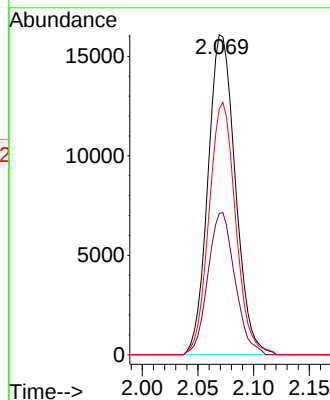
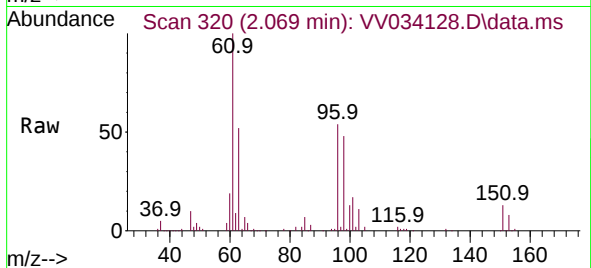




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.524 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV034128.D
 Acq: 12 Feb 2024 10:36

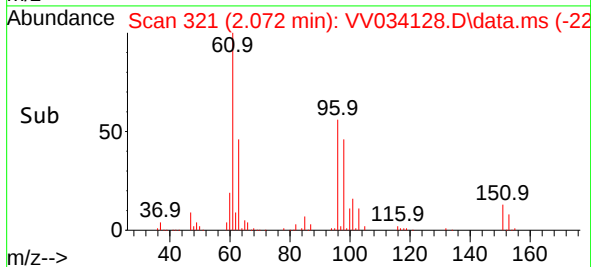
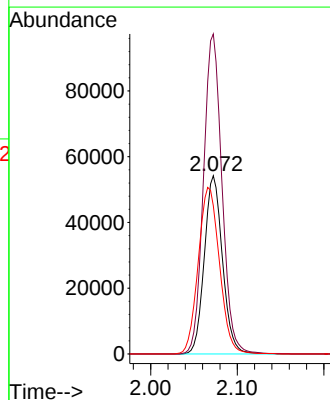
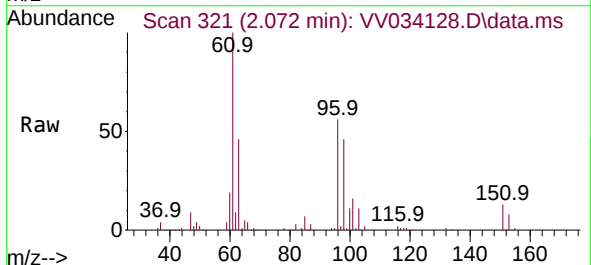
Instrument :
 MSVOA_V
 ClientSampleId :

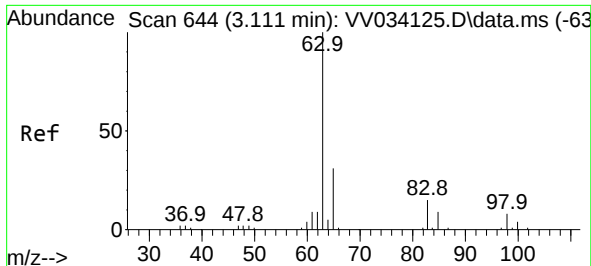
Tgt Ion:101 Resp: 27492
 Ion Ratio Lower Upper
 101 100
 85 43.7 37.1 55.7
 151 76.8 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 13.396 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV034128.D
 Acq: 12 Feb 2024 10:36

Tgt Ion: 96 Resp: 79047
 Ion Ratio Lower Upper
 96 100
 61 179.6 128.8 239.2
 63 83.1 97.9 181.9#





#19

1,1-Dichloroethane

Concen: 0.667 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV034128.D

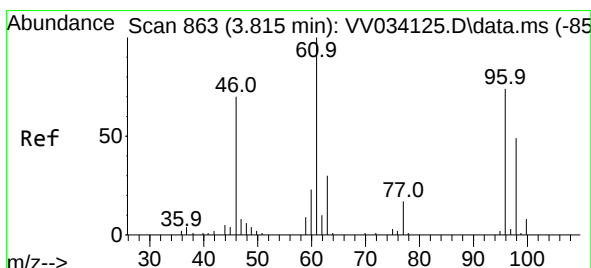
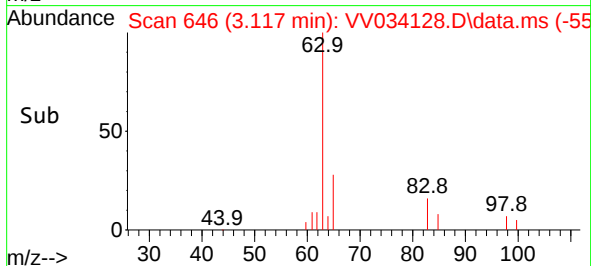
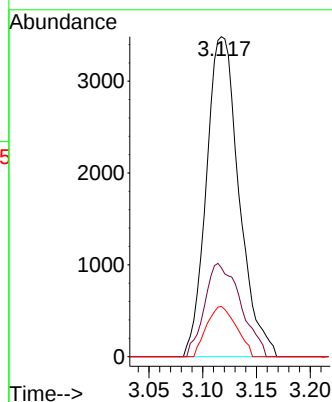
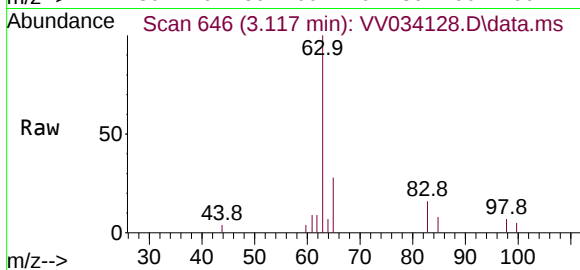
Acq: 12 Feb 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	7364
Ion	Ratio	Lower	Upper
63	100		
65	27.8	20.8	38.6
83	15.7	9.4	17.4



#22

cis-1,2-Dichloroethene

Concen: 8.187 ug/L

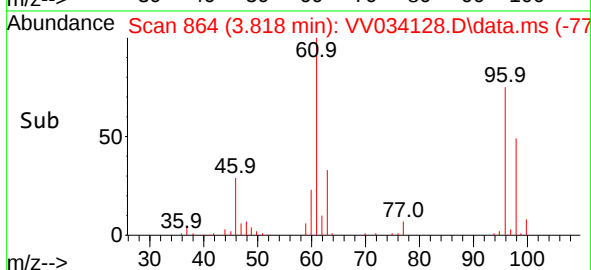
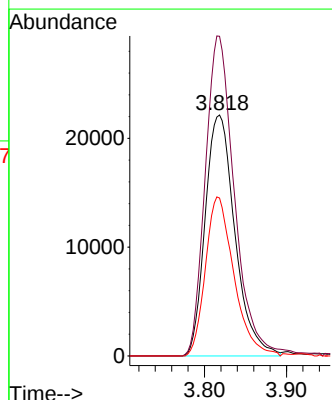
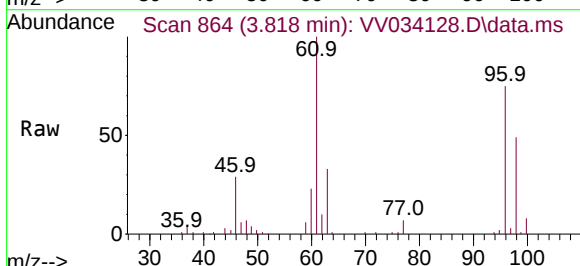
RT: 3.818 min Scan# 864

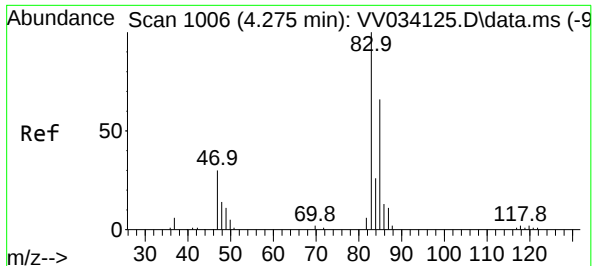
Delta R.T. 0.003 min

Lab File: VV034128.D

Acq: 12 Feb 2024 10:36

Tgt Ion:	96	Resp:	55826
Ion	Ratio	Lower	Upper
96	100		
61	132.7	90.3	167.7
98	65.6	43.2	80.2





#25

Chloroform

Concen: 0.584 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. 0.010 min

Lab File: VV034128.D

Acq: 12 Feb 2024 10:36

Instrument :

MSVOA_V

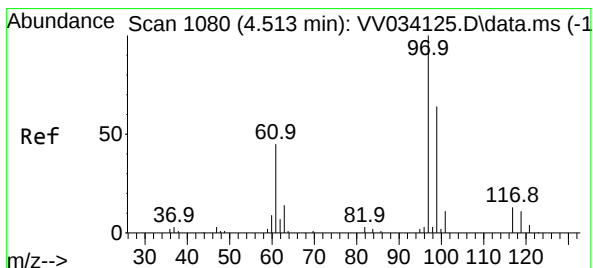
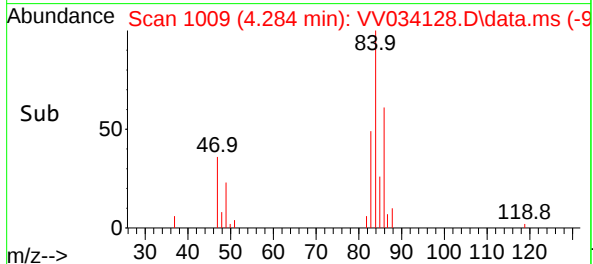
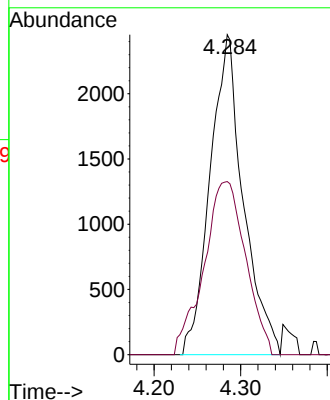
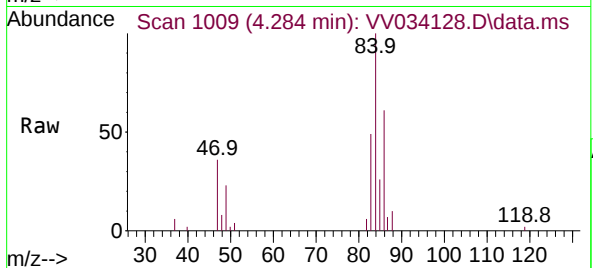
ClientSampleId :

Tgt Ion: 83 Resp: 6514

Ion Ratio Lower Upper

83 100

85 54.1 47.5 88.1



#29

1,1,1-Trichloroethane

Concen: 0.310 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV034128.D

Acq: 12 Feb 2024 10:36

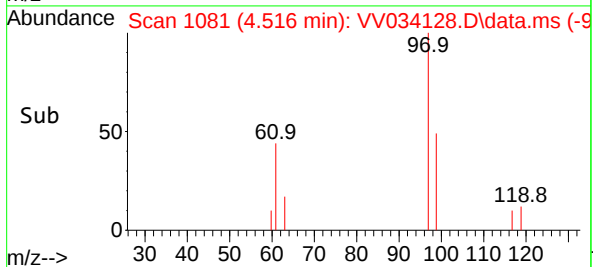
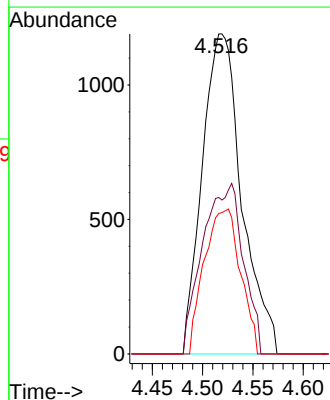
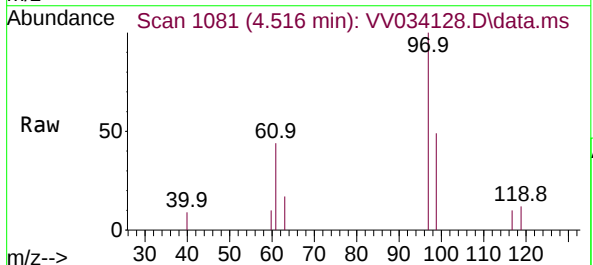
Tgt Ion: 97 Resp: 3256

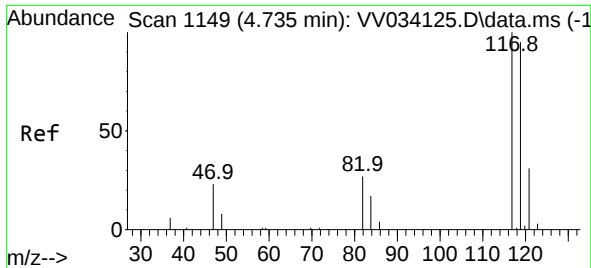
Ion Ratio Lower Upper

97 100

99 54.5 50.6 75.8

61 41.3 36.8 55.2

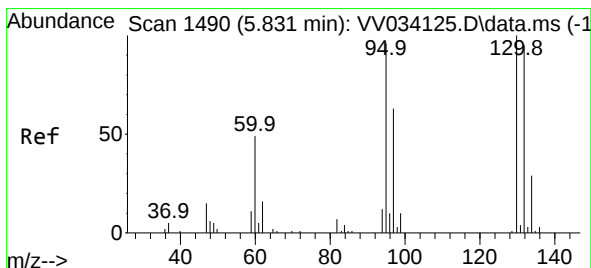
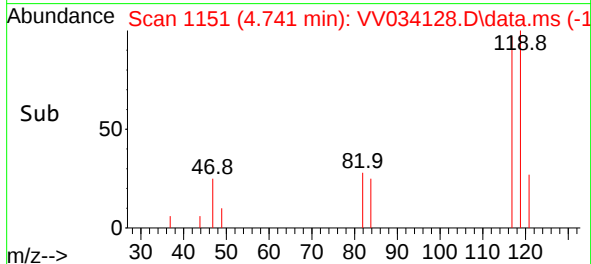
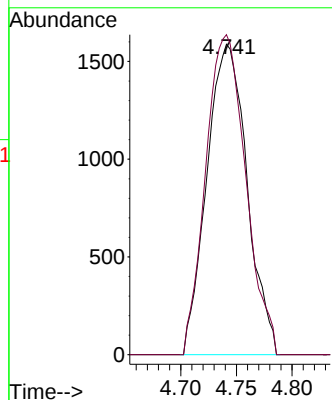
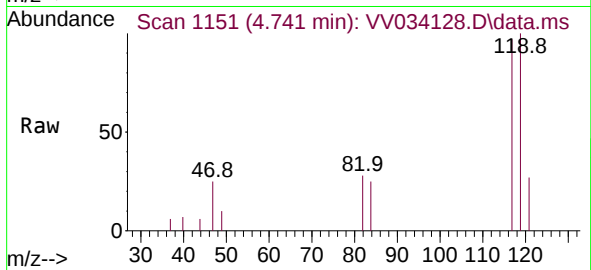




#31
Carbon tetrachloride
Concen: 0.434 ug/L
RT: 4.741 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VV034128.D
Acq: 12 Feb 2024 10:36

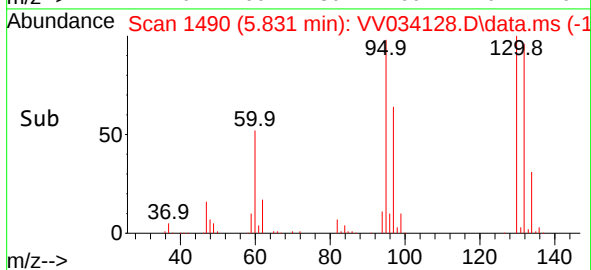
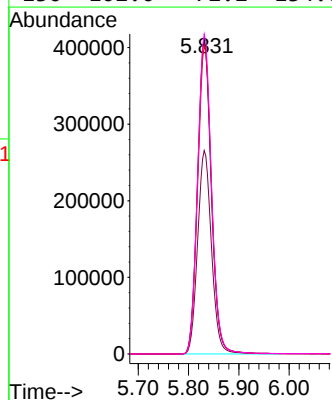
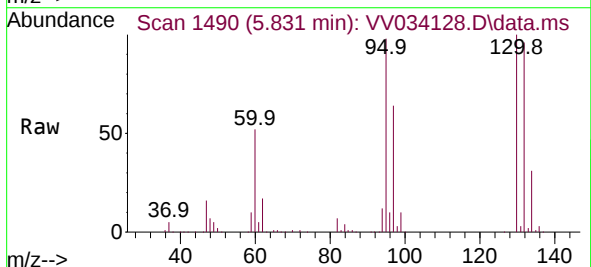
Instrument :
MSVOA_V
ClientSampleId :

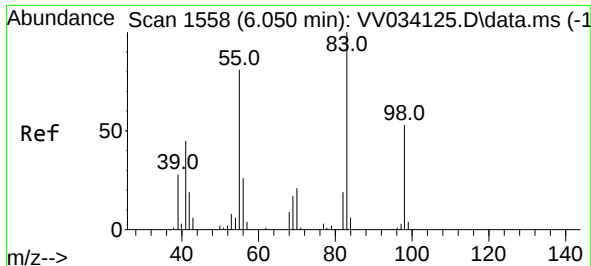
Tgt Ion:117 Resp: 3992
Ion Ratio Lower Upper
117 100
119 102.5 76.1 114.1



#34
Trichloroethene
Concen: 115.521 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV034128.D
Acq: 12 Feb 2024 10:36

Tgt Ion: 95 Resp: 784286
Ion Ratio Lower Upper
95 100
97 64.8 45.1 83.7
132 98.2 66.0 122.6
130 102.0 72.2 134.0

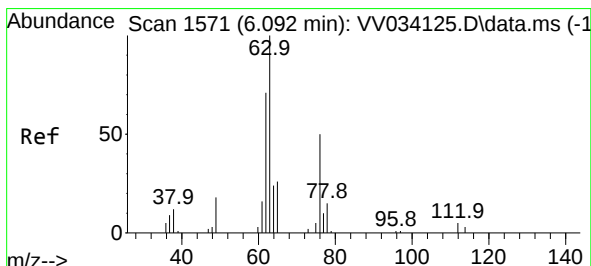
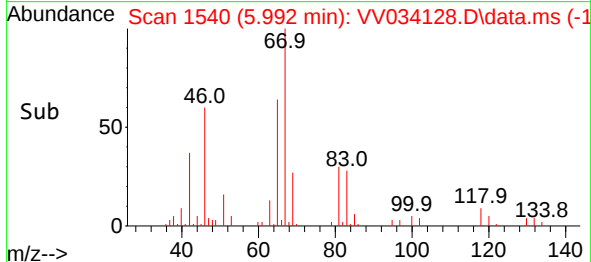
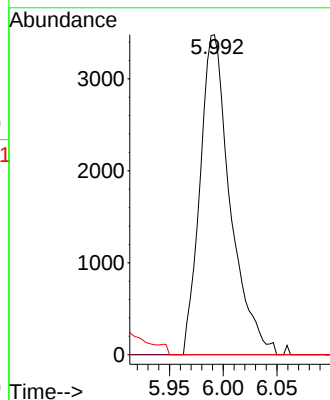
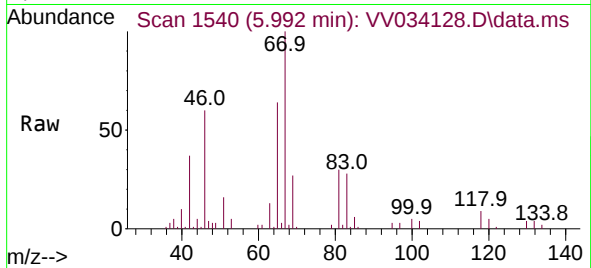




#35
Methylcyclohexane
Concen: 0.639 ug/L
RT: 5.992 min Scan# 1539
Delta R.T. -0.058 min
Lab File: VV034128.D
Acq: 12 Feb 2024 10:36

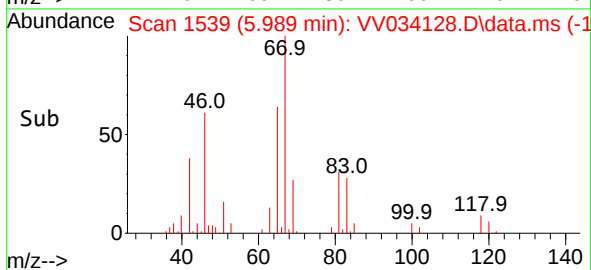
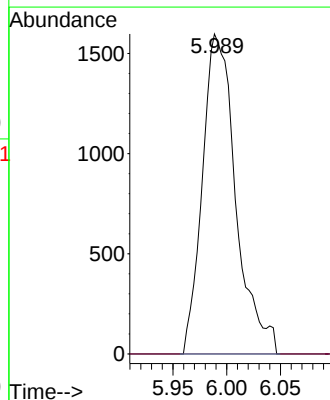
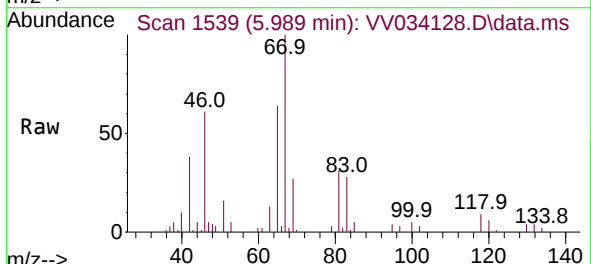
Instrument :
MSVOA_V
ClientSampleId :

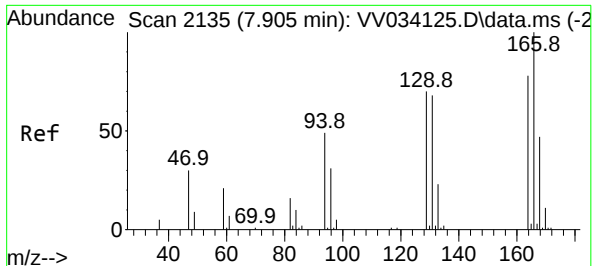
Tgt Ion: 83 Resp: 6807
Ion Ratio Lower Upper
83 100
55 0.0 63.5 95.3#
98 0.0 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.607 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.103 min
Lab File: VV034128.D
Acq: 12 Feb 2024 10:36

Tgt Ion: 63 Resp: 3452
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#47

Tetrachloroethene

Concen: 20.192 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.000 min

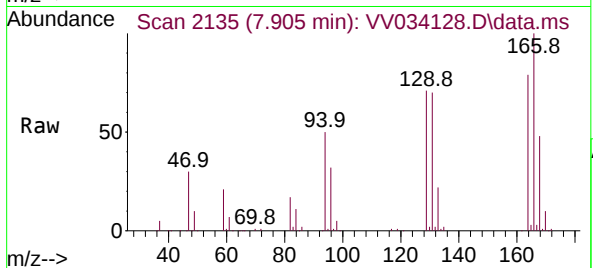
Lab File: VV034128.D

Acq: 12 Feb 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 111390

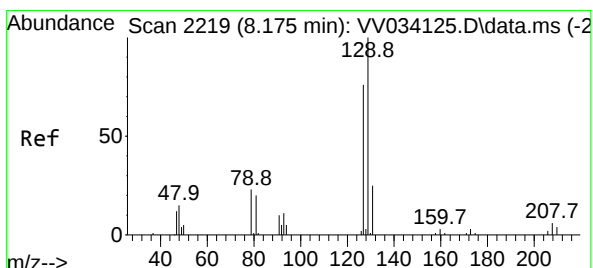
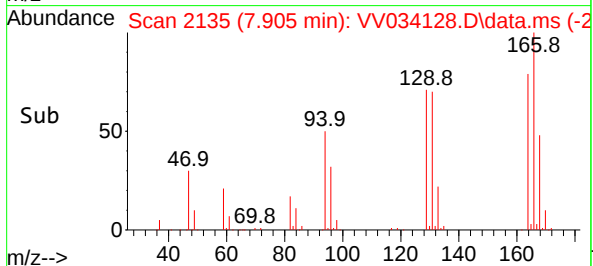
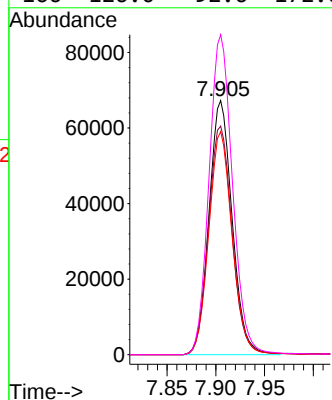
Ion Ratio Lower Upper

164 100

129 90.0 67.8 125.8

131 87.8 63.0 117.0

166 126.0 92.6 172.0



#49

Dibromochloromethane

Concen: 23.709 ug/L

RT: 7.905 min Scan# 2135

Delta R.T. -0.270 min

Lab File: VV034128.D

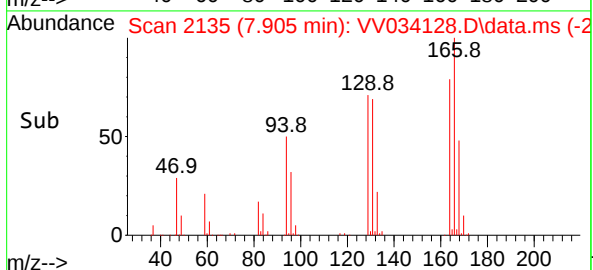
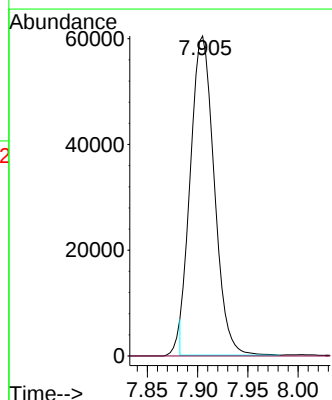
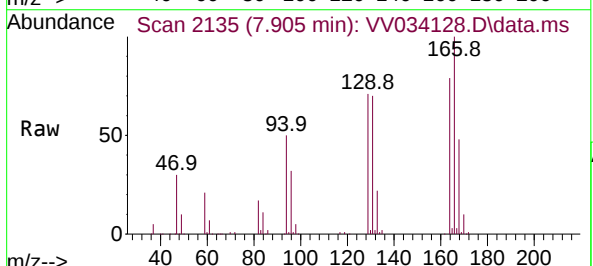
Acq: 12 Feb 2024 10:36

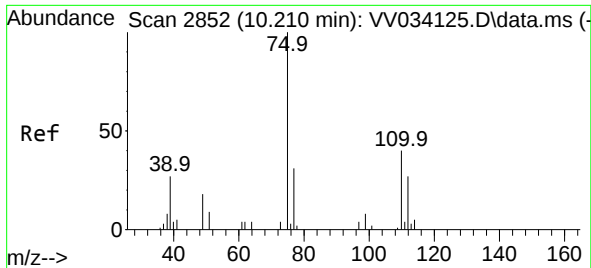
Tgt Ion:129 Resp: 98857

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#





#61

1,2,3-Trichloropropane

Concen: 1.720 ug/L

RT: 11.188 min Scan# 31

Delta R.T. 0.977 min

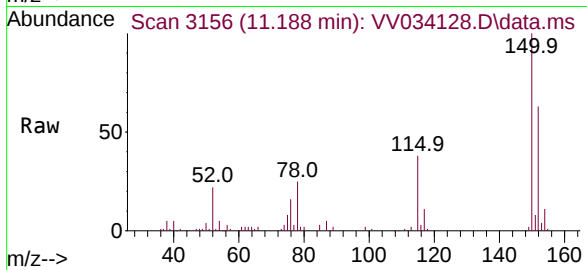
Lab File: VV034128.D

Acq: 12 Feb 2024 10:36

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 4749

Ion Ratio Lower Upper

75 100

77 35.3 26.9 40.3

110 1.1 33.3 49.9#

