

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011924\
 Data File : VV033768.D
 Acq On : 19 Jan 2024 21:35
 Operator : SY/MD
 Sample : P1189-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 20 00:31:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 23:43:59 2024
 Response via : Initial Calibration

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

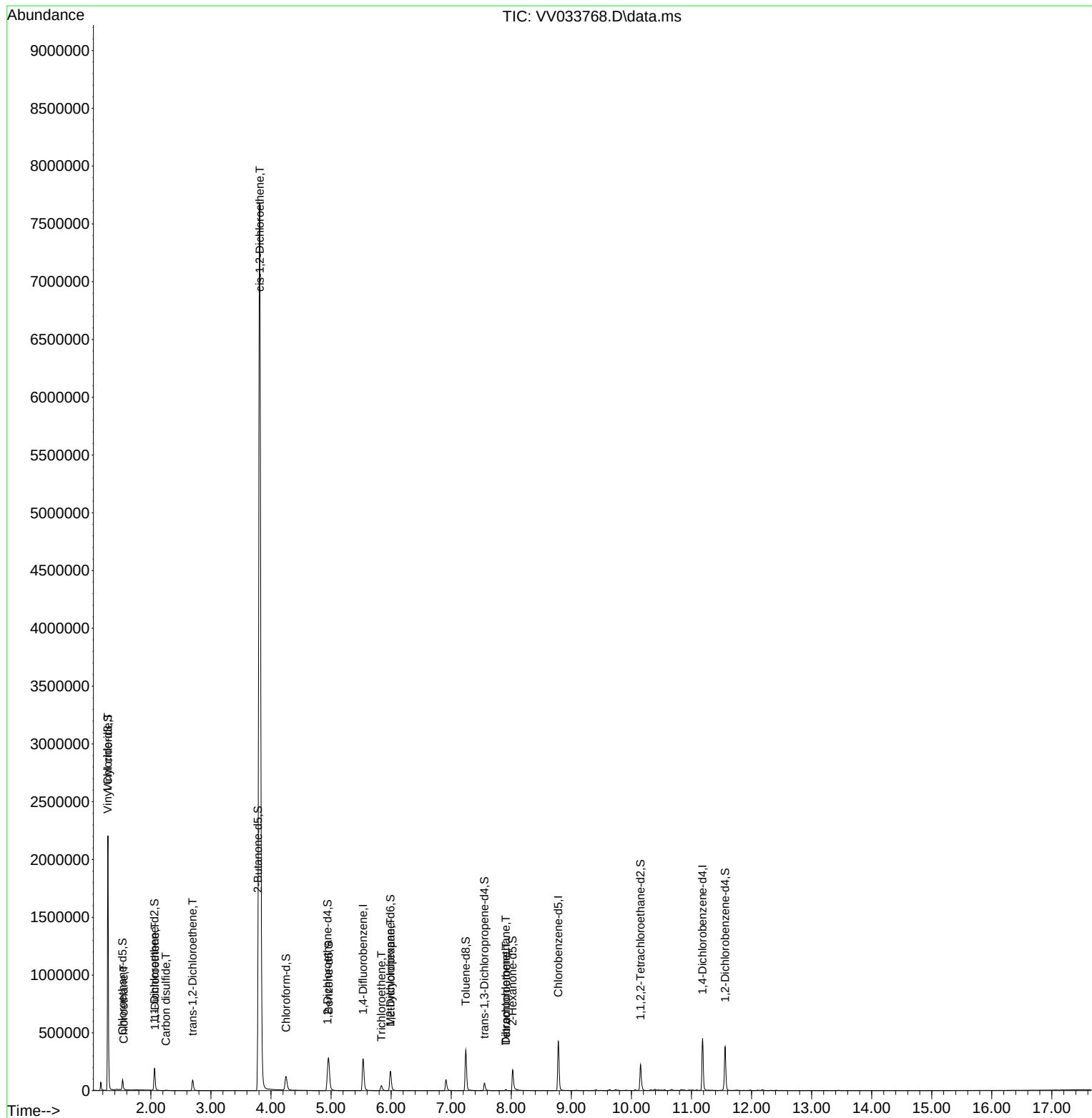
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	235952	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	225689	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	111344	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	74671	41.177	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.360%
7) Chloroethane-d5	1.529	69	56180	39.120	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.240%
11) 1,1-Dichloroethene-d2	2.060	65	31409	40.246	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.500%
21) 2-Butanone-d5	3.783	46	93893	75.487	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.490%
24) Chloroform-d	4.249	84	125751	38.781	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.560%
26) 1,2-Dichloroethane-d4	4.940	65	85414	40.768	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.540%
32) Benzene-d6	4.960	84	245210	38.217	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.440%
36) 1,2-Dichloropropane-d6	5.989	67	79427	37.608	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	75.220%
41) Toluene-d8	7.243	98	230176	39.816	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.640%#
43) trans-1,3-Dichloroprop...	7.555	79	38728	37.103	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.200%
47) 2-Hexanone-d5	8.021	63	63218	72.162	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.160%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	104517	38.764	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.520%
66) 1,2-Dichlorobenzene-d4	11.561	152	92058	43.578	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.160%
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	1291864	604.988	ug/L	99
8) Chloroethane	1.548	64	3743	2.940	ug/L #	70
12) 1,1-Dichloroethene	2.069	96	5342	3.772	ug/L #	1
14) Carbon disulfide	2.249	76	7682	1.596	ug/L #	94
17) trans-1,2-Dichloroethene	2.696	96	33095	20.922	ug/L	96
20) cis-1,2-Dichloroethene	3.812	96	4018735	2282.732	ug/L	96
34) Trichloroethene	5.838	95	15251	8.577	ug/L	96
35) Methylcyclohexane	5.989	83	19381	6.369	ug/L #	16
46) Tetrachloroethene	7.911	164	2176	1.668	ug/L	95
49) Dibromochloromethane	7.908	129	1944	1.128	ug/L #	10

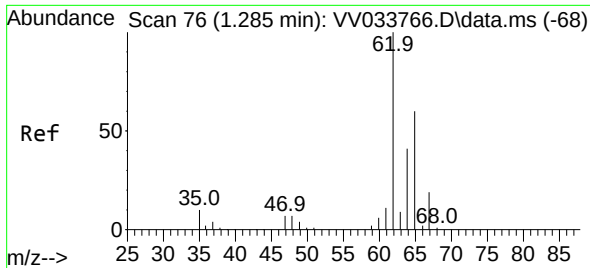
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jan 19 23:43:59 2024
Response via : Initial Calibration

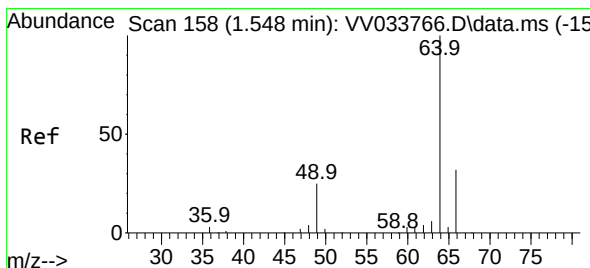
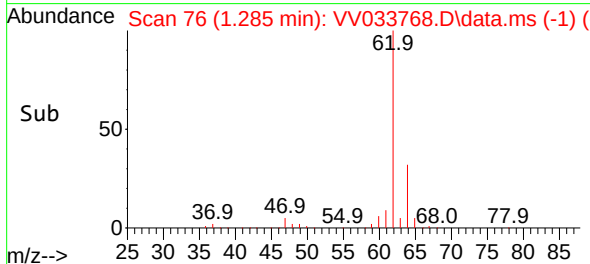
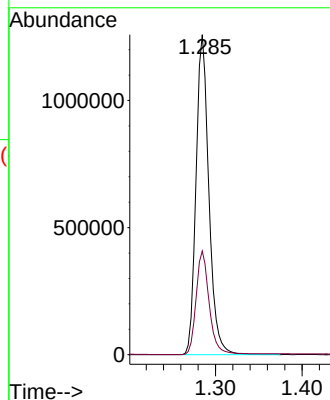
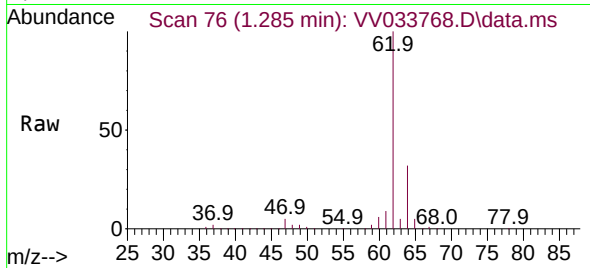




#5
 Vinyl chloride
 Concen: 604.988 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV033768.D
 Acq: 19 Jan 2024 21:35

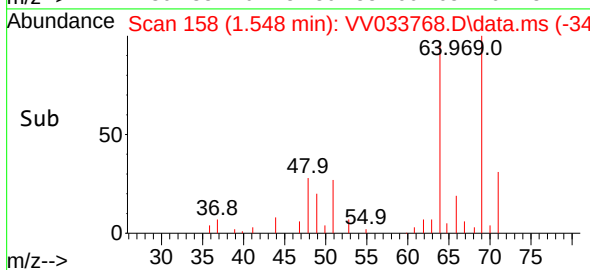
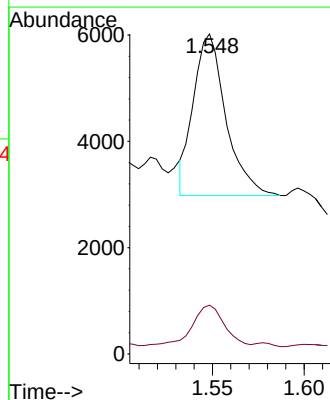
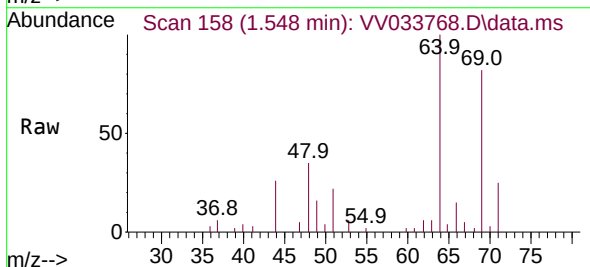
Instrument :
 MSVOA_V
 ClientSampleId :

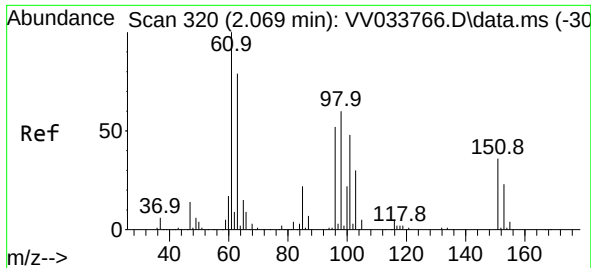
Tgt Ion: 62 Resp: 1291864
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.2 43.0



#8
 Chloroethane
 Concen: 2.940 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. 0.000 min
 Lab File: VV033768.D
 Acq: 19 Jan 2024 21:35

Tgt Ion: 64 Resp: 3743
 Ion Ratio Lower Upper
 64 100
 66 15.3 22.5 41.9#





#12

1,1-Dichloroethene

Concen: 3.772 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV033768.D

Acq: 19 Jan 2024 21:35

Instrument :

MSVOA_V

ClientSampleId :

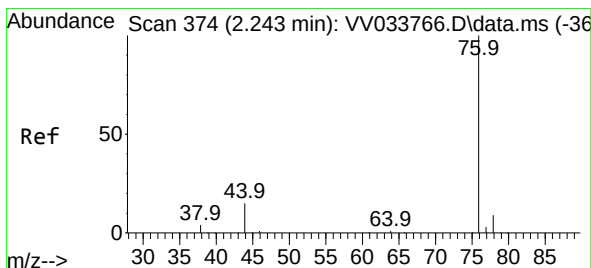
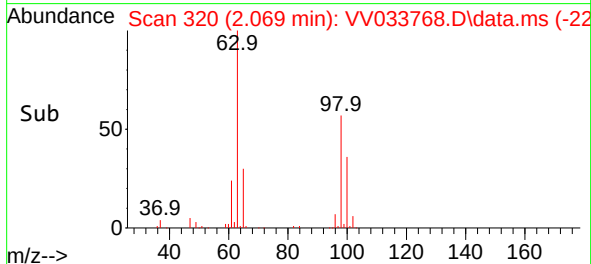
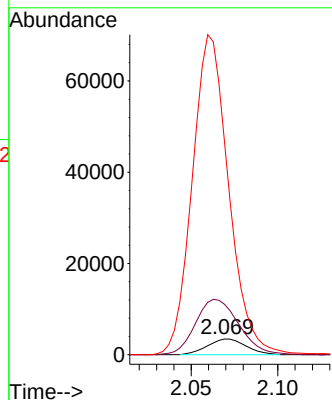
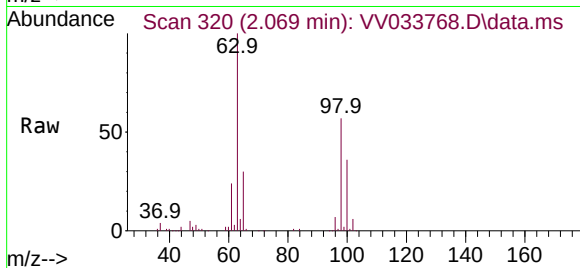
Tgt Ion: 96 Resp: 5342

Ion Ratio Lower Upper

96 100

61 321.9 134.0 248.8#

63 1355.8 103.4 192.0#



#14

Carbon disulfide

Concen: 1.596 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.006 min

Lab File: VV033768.D

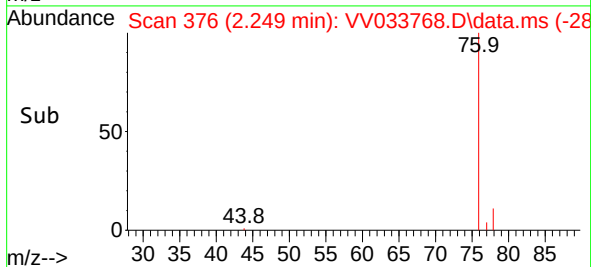
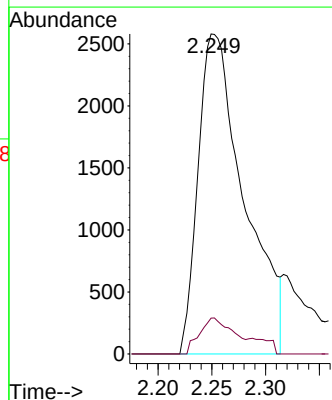
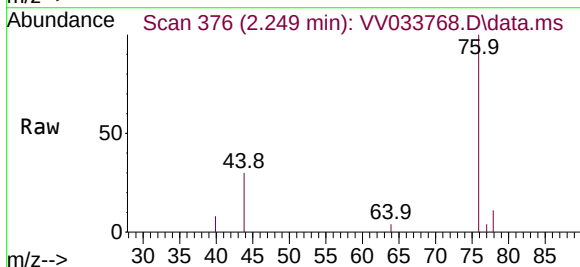
Acq: 19 Jan 2024 21:35

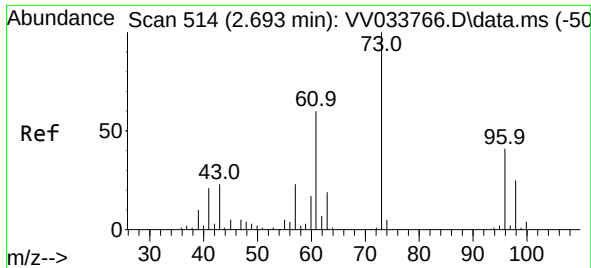
Tgt Ion: 76 Resp: 7682

Ion Ratio Lower Upper

76 100

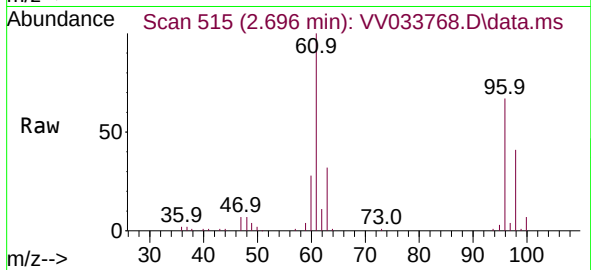
78 11.2 7.1 10.7#



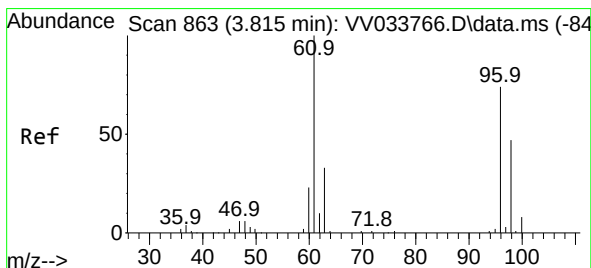
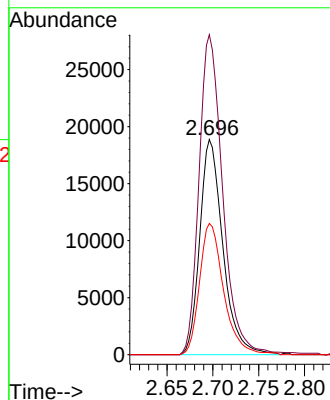
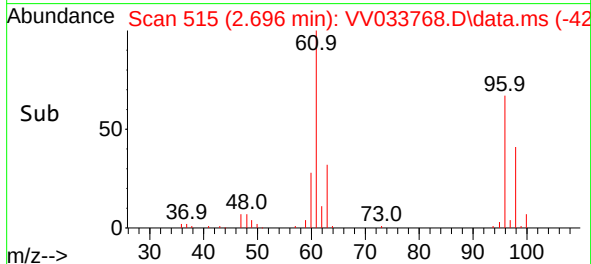


#17
trans-1,2-Dichloroethene
Concen: 20.922 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV033768.D
Acq: 19 Jan 2024 21:35

Instrument :
MSVOA_V
ClientSampleId :

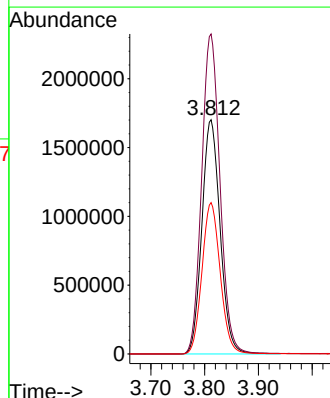
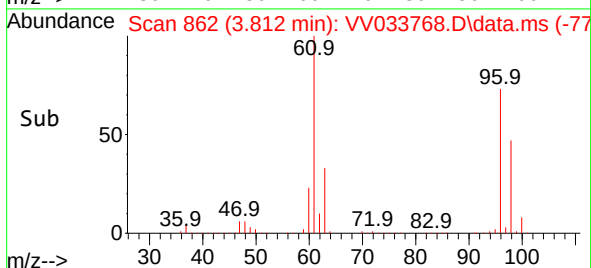
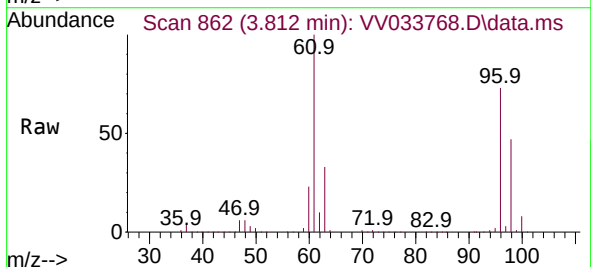


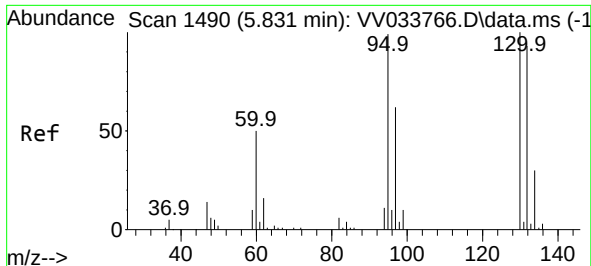
Tgt Ion: 96 Resp: 33095
Ion Ratio Lower Upper
96 100
61 148.6 108.4 201.4
98 60.9 43.8 81.4



#20
cis-1,2-Dichloroethene
Concen: 2282.732 ug/L
RT: 3.812 min Scan# 862
Delta R.T. -0.003 min
Lab File: VV033768.D
Acq: 19 Jan 2024 21:35

Tgt Ion: 96 Resp: 4018735
Ion Ratio Lower Upper
96 100
61 136.6 100.6 186.8
98 64.6 44.6 82.8

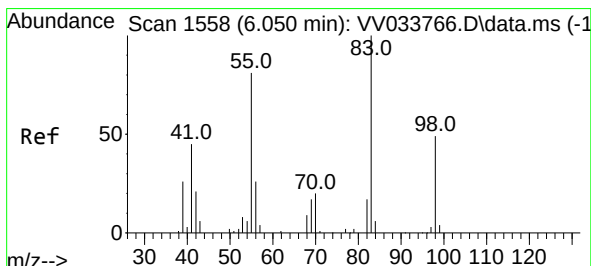
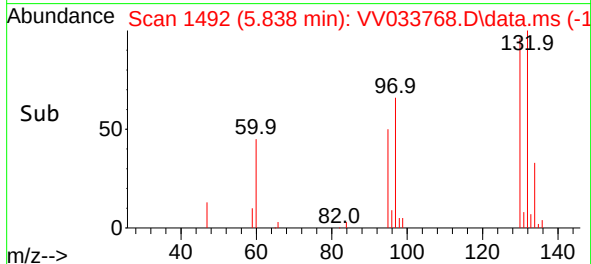
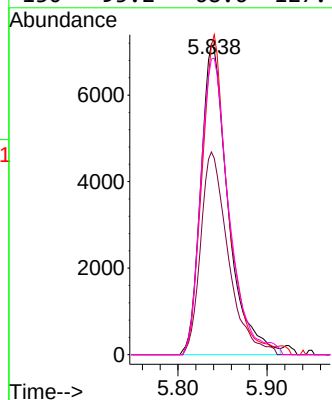
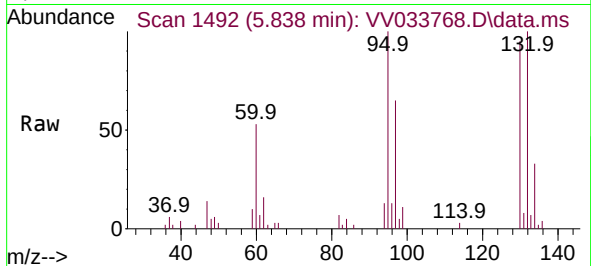




#34
Trichloroethene
Concen: 8.577 ug/L
RT: 5.838 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VV033768.D
Acq: 19 Jan 2024 21:35

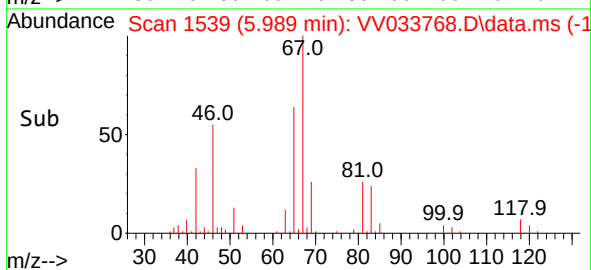
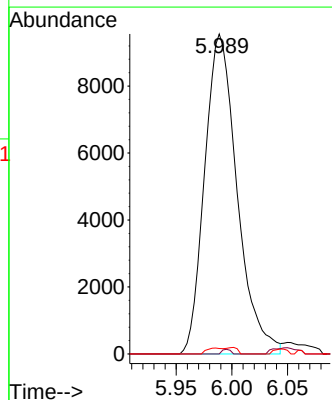
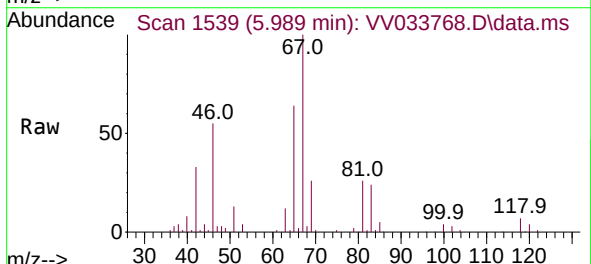
Instrument :
MSVOA_V
ClientSampleId :

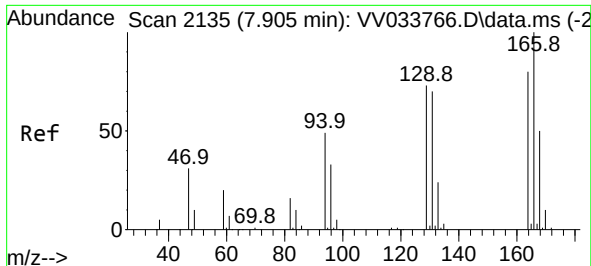
Tgt Ion:	95	Resp:	15251
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.4	82.4
132	99.6	65.5	121.7
130	95.2	68.6	127.4



#35
Methylcyclohexane
Concen: 6.369 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.061 min
Lab File: VV033768.D
Acq: 19 Jan 2024 21:35

Tgt Ion:	83	Resp:	19381
Ion	Ratio	Lower	Upper
83	100		
55	0.0	67.1	100.7#
98	0.9	37.7	56.5#





#46

Tetrachloroethene

Concen: 1.668 ug/L

RT: 7.911 min Scan# 2136

Delta R.T. 0.006 min

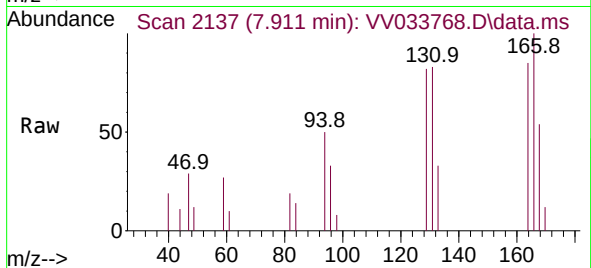
Lab File: VV033768.D

Acq: 19 Jan 2024 21:35

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 2176

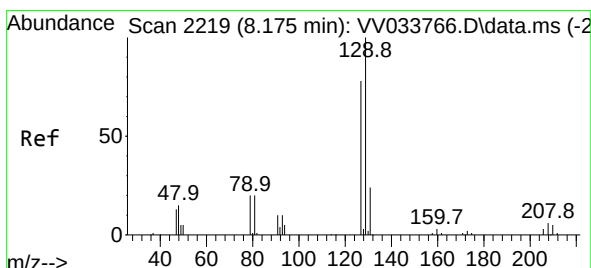
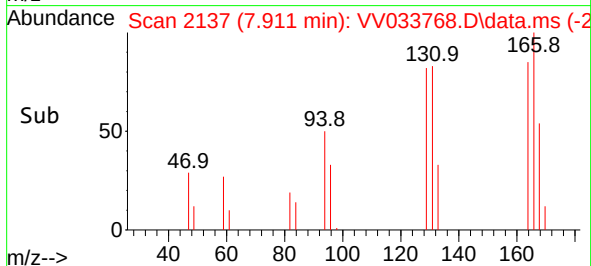
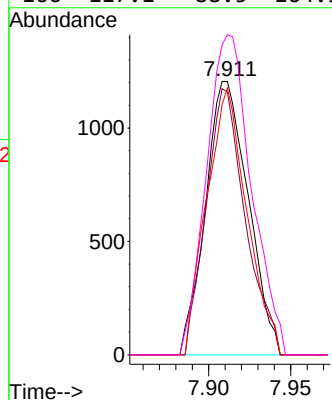
Ion Ratio Lower Upper

164 100

129 96.1 66.1 122.7

131 97.5 65.9 122.5

166 117.1 88.5 164.3



#49

Dibromochloromethane

Concen: 1.128 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.267 min

Lab File: VV033768.D

Acq: 19 Jan 2024 21:35

Tgt Ion:129 Resp: 1944

Ion Ratio Lower Upper

129 100

127 0.0 54.5 101.3#

