

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
 Data File : VV036060.D
 Acq On : 13 Jun 2024 14:08
 Operator : SY/MD
 Sample : P2850-05
 Misc : 5.41g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 01:18:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 14 01:10:24 2024
 Response via : Initial Calibration

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

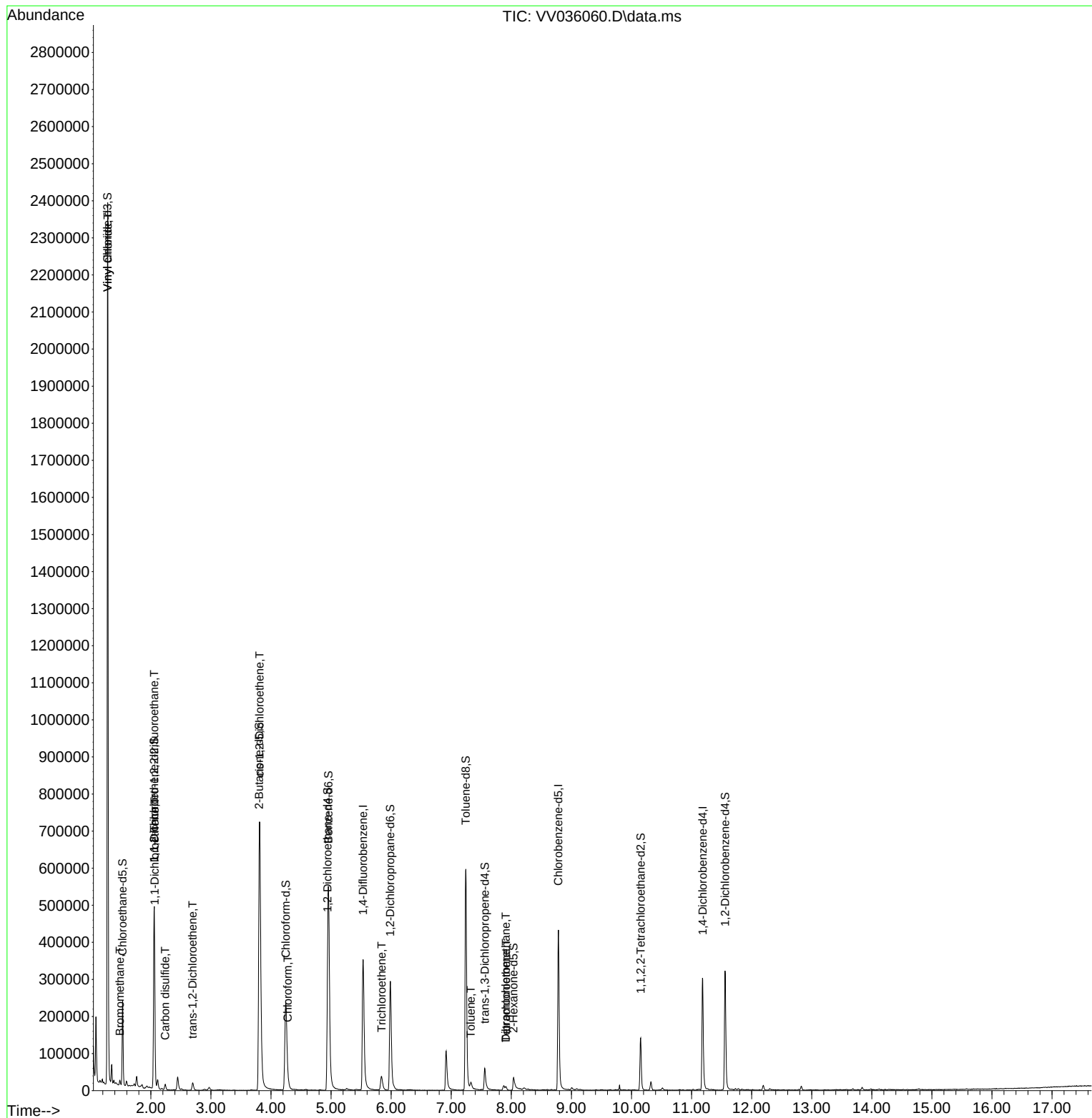
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	317359	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	253282	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	82944	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	210873	36.142	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	144.560%
7) Chloroethane-d5	1.529	69	153004	32.888	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	131.560%
11) 1,1-Dichloroethene-d2	2.056	65	85194	32.799	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	131.200%#
21) 2-Butanone-d5	3.802	46	18308	13.676	ug/L	-0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.360%
24) Chloroform-d	4.246	84	263651	26.131	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.520%
26) 1,2-Dichloroethane-d4	4.941	65	106583	20.148	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.600%
32) Benzene-d6	4.957	84	535435	35.564	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	142.240%#
36) 1,2-Dichloropropane-d6	5.986	67	153624	32.402	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.600%#
41) Toluene-d8	7.243	98	417658	31.440	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	125.760%
43) trans-1,3-Dichloroprop...	7.558	79	40140	20.648	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.600%
47) 2-Hexanone-d5	8.037	63	11693	18.203	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	36.400%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	71941	20.306	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	85751	28.192	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.760%
Target Compounds						Qvalue
5) Vinyl chloride	1.282	62	1295714	187.417	ug/L	99
6) Bromomethane	1.484	94	5508	1.284	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	3149	0.578	ug/L #	39
12) 1,1-Dichloroethene	2.063	96	4257	0.838	ug/L #	1
14) Carbon disulfide	2.240	76	15723	0.891	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	7298	1.352	ug/L	95
20) cis-1,2-Dichloroethene	3.809	96	410066	75.595	ug/L	99
25) Chloroform	4.278	83	8432	0.797	ug/L	95
34) Trichloroethene	5.841	95	13263	2.612	ug/L	98
42) Toluene	7.326	91	15073	0.890	ug/L	95
46) Tetrachloroethene	7.912	164	2225	0.599	ug/L	94
49) Dibromochloromethane	7.908	129	2187	0.555	ug/L #	11

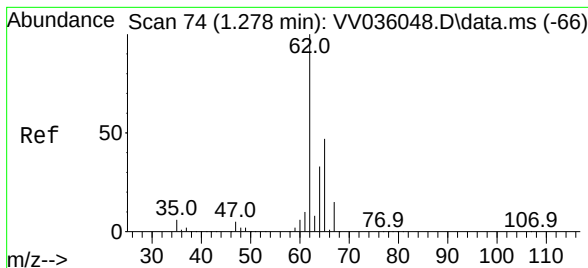
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jun 14 01:10:24 2024
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 187.417 ug/L

RT: 1.282 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV036060.D

Acq: 13 Jun 2024 14:08

Instrument :

MSVOA_V

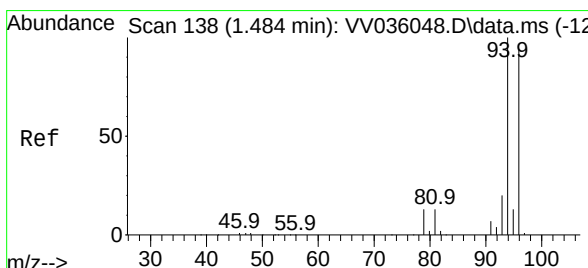
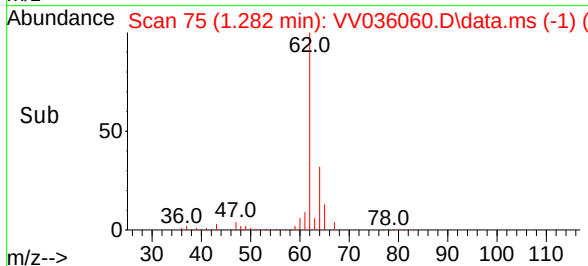
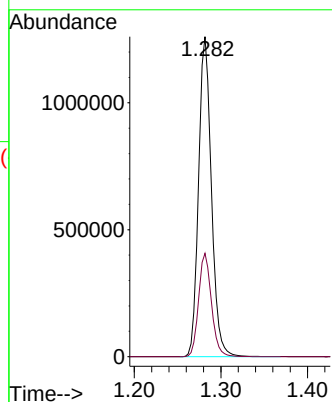
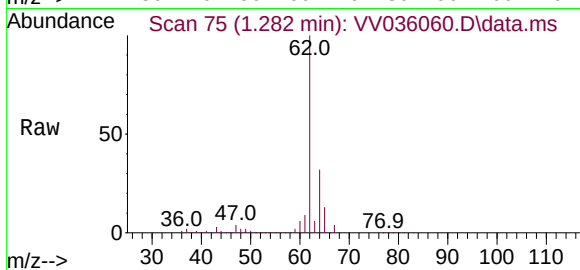
ClientSampleId :

Tgt Ion: 62 Resp: 1295714

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#6

Bromomethane

Concen: 1.284 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV036060.D

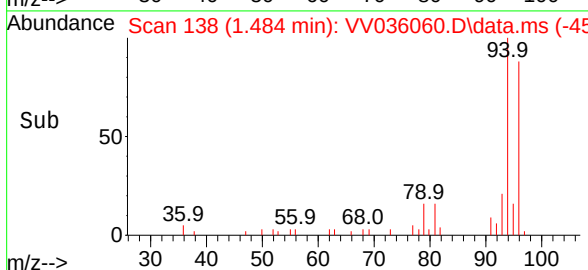
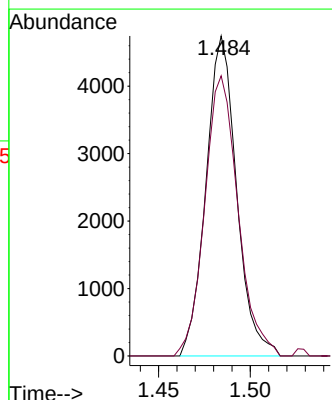
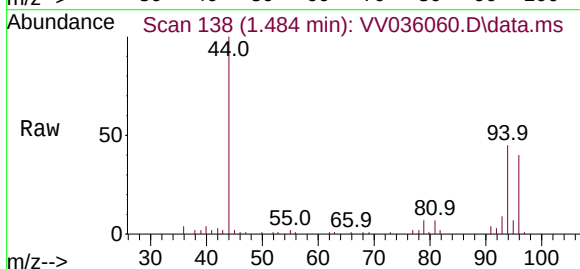
Acq: 13 Jun 2024 14:08

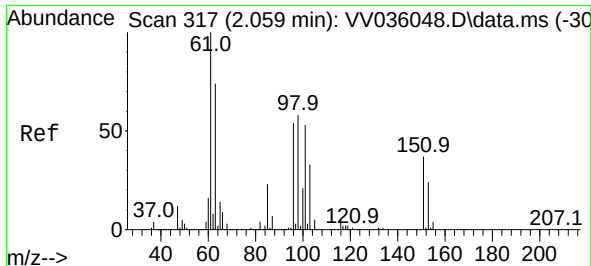
Tgt Ion: 94 Resp: 5508

Ion Ratio Lower Upper

94 100

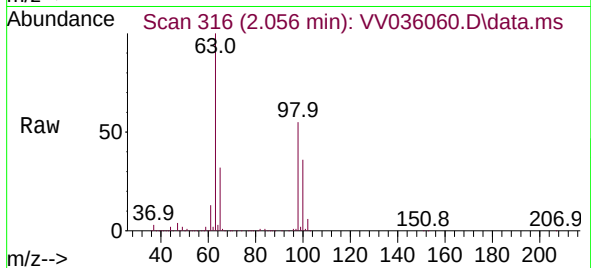
96 87.5 65.7 122.1



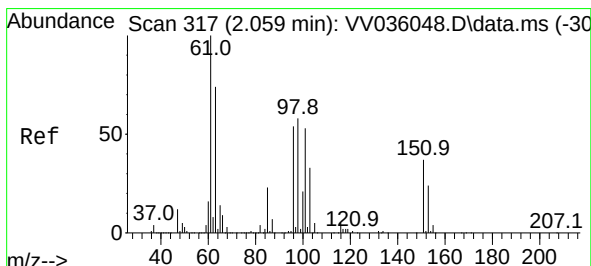
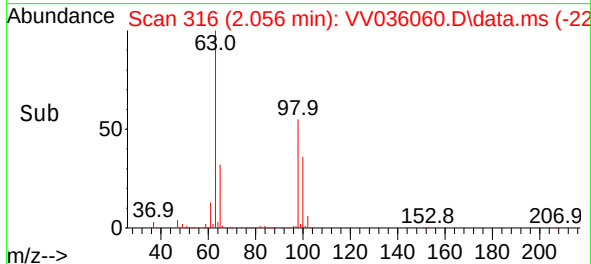
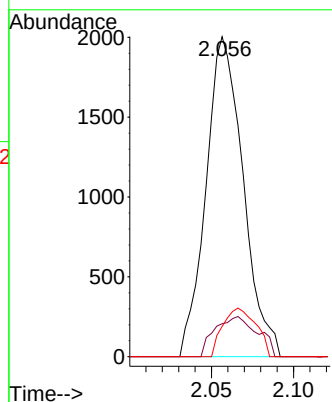


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.578 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.003 min
Lab File: VV036060.D
Acq: 13 Jun 2024 14:08

Instrument :
MSVOA_V
ClientSampleId :

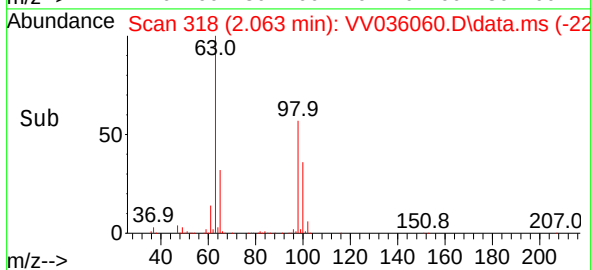
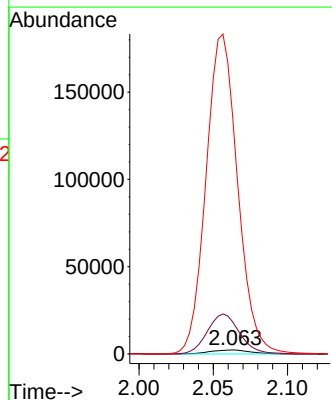
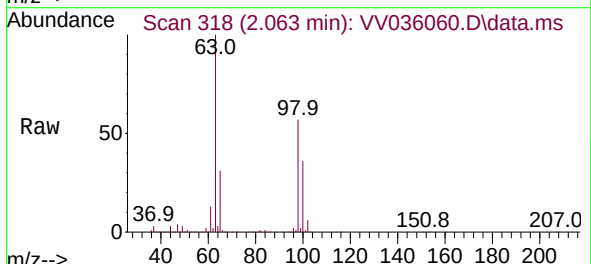


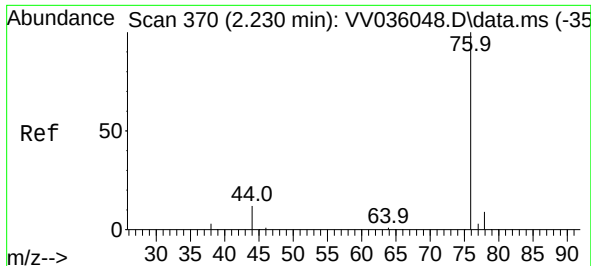
Tgt Ion:101 Resp: 3149
Ion Ratio Lower Upper
101 100
85 12.7 34.5 51.7#
151 13.6 56.3 84.5#



#12
1,1-Dichloroethene
Concen: 0.838 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.003 min
Lab File: VV036060.D
Acq: 13 Jun 2024 14:08

Tgt Ion: 96 Resp: 4257
Ion Ratio Lower Upper
96 100
61 791.4 127.3 236.3#
63 5866.2 93.7 173.9#





#14

Carbon disulfide

Concen: 0.891 ug/L

RT: 2.240 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV036060.D

Acq: 13 Jun 2024 14:08

Instrument :

MSVOA_V

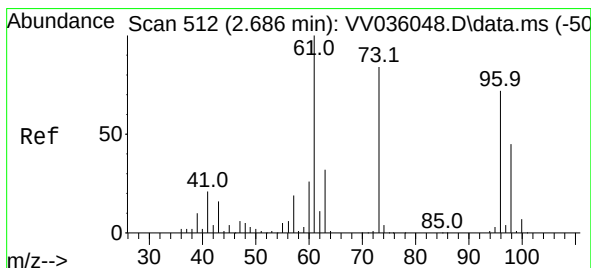
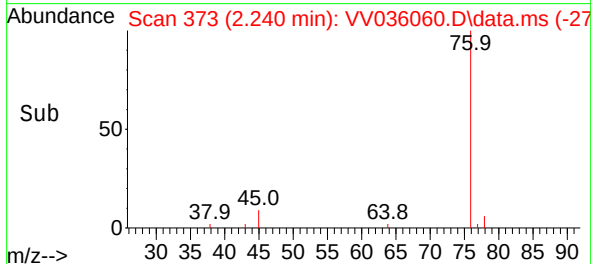
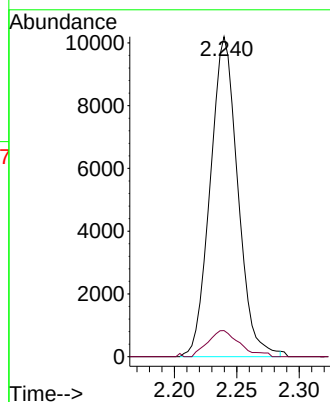
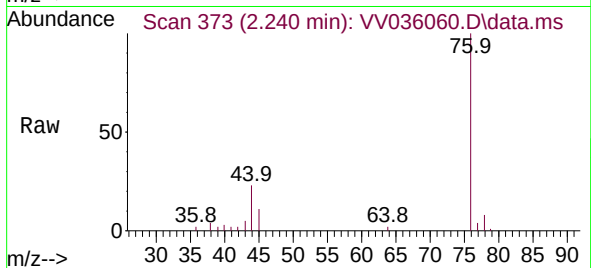
ClientSampleId :

Tgt Ion: 76 Resp: 15723

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.2



#17

trans-1,2-Dichloroethene

Concen: 1.352 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.010 min

Lab File: VV036060.D

Acq: 13 Jun 2024 14:08

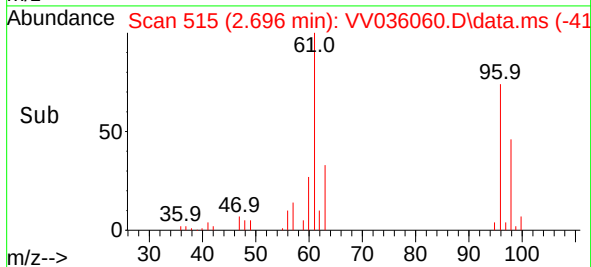
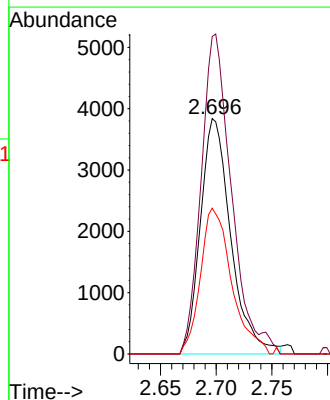
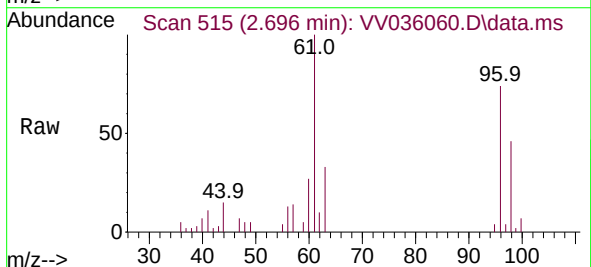
Tgt Ion: 96 Resp: 7298

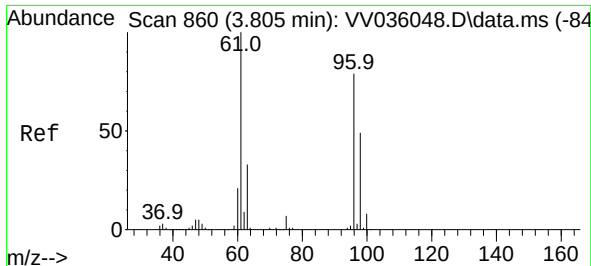
Ion Ratio Lower Upper

96 100

61 134.8 99.4 184.6

98 61.9 44.9 83.3





#20

cis-1,2-Dichloroethene

Concen: 75.595 ug/L

RT: 3.809 min Scan# 81

Delta R.T. 0.003 min

Lab File: VV036060.D

Acq: 13 Jun 2024 14:08

Instrument :

MSVOA_V

ClientSampleId :

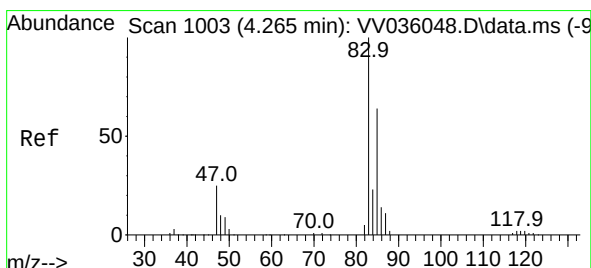
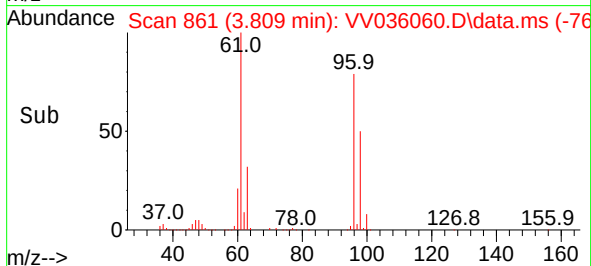
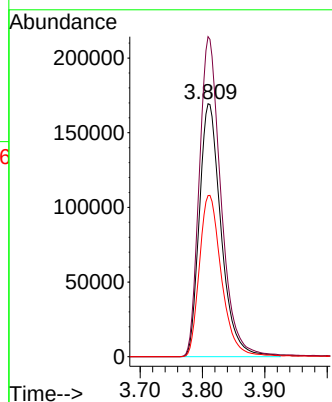
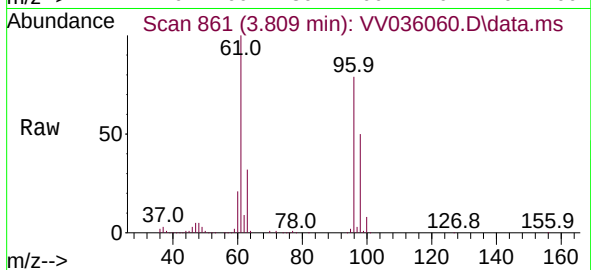
Tgt Ion: 96 Resp: 410066

Ion Ratio Lower Upper

96 100

61 126.5 87.9 163.3

98 63.7 44.4 82.5



#25

Chloroform

Concen: 0.797 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. 0.013 min

Lab File: VV036060.D

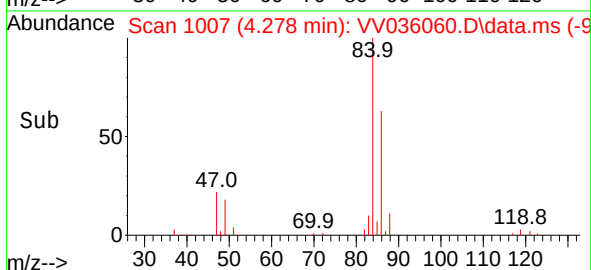
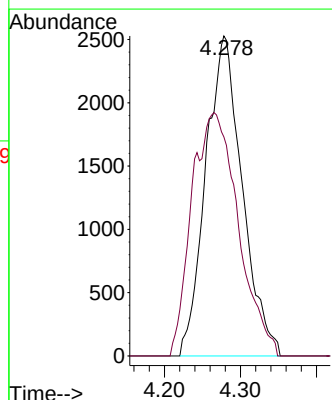
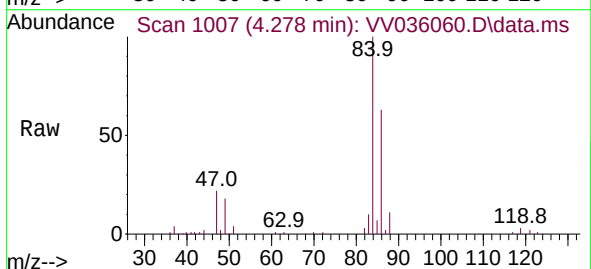
Acq: 13 Jun 2024 14:08

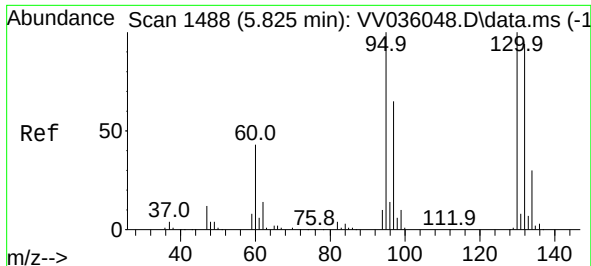
Tgt Ion: 83 Resp: 8432

Ion Ratio Lower Upper

83 100

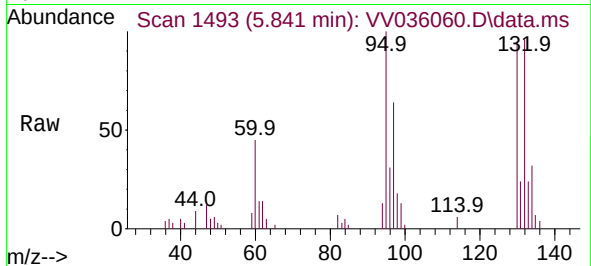
85 68.5 45.2 84.0





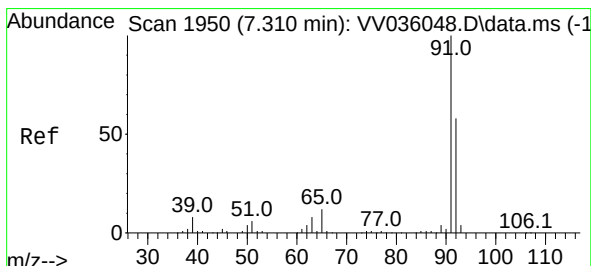
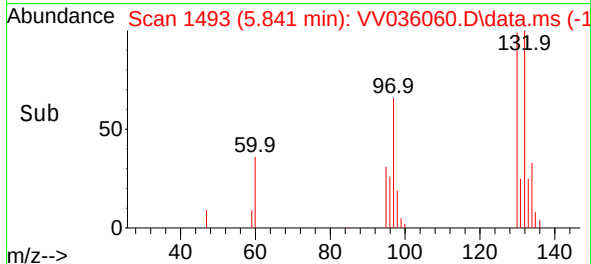
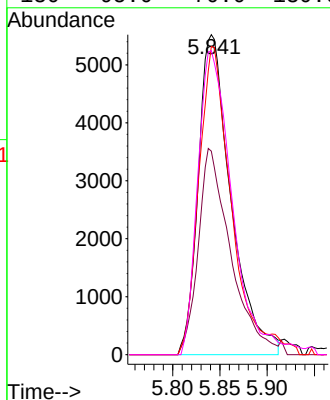
#34
 Trichloroethene
 Concen: 2.612 ug/L
 RT: 5.841 min Scan# 1488
 Delta R.T. 0.016 min
 Lab File: VV036060.D
 Acq: 13 Jun 2024 14:08

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 95 Resp: 13263

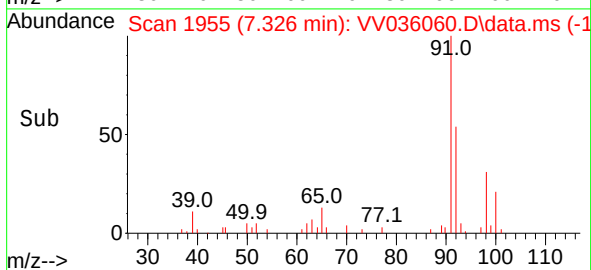
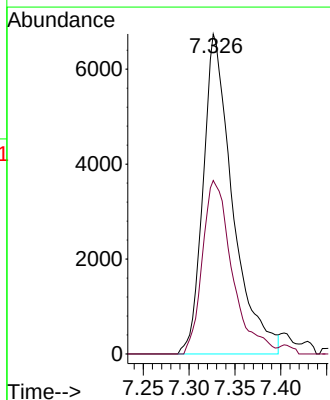
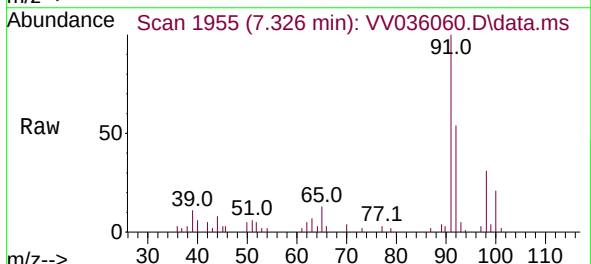
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.8	83.2
132	96.3	66.8	124.2
130	95.0	70.0	130.0

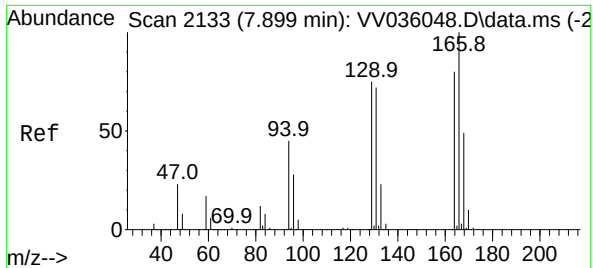


#42
 Toluene
 Concen: 0.890 ug/L
 RT: 7.326 min Scan# 1955
 Delta R.T. 0.016 min
 Lab File: VV036060.D
 Acq: 13 Jun 2024 14:08

Tgt Ion: 91 Resp: 15073

Ion	Ratio	Lower	Upper
91	100		
92	54.2	40.6	75.4





#46

Tetrachloroethene

Concen: 0.599 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.013 min

Lab File: VV036060.D

Acq: 13 Jun 2024 14:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 2225

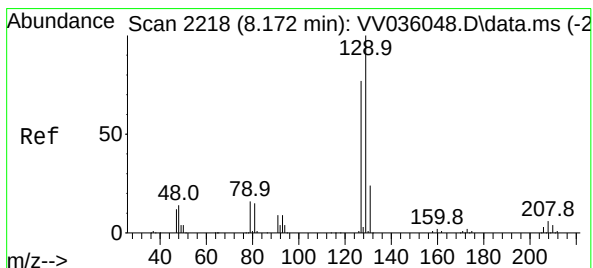
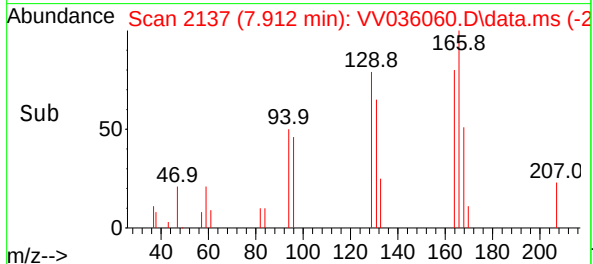
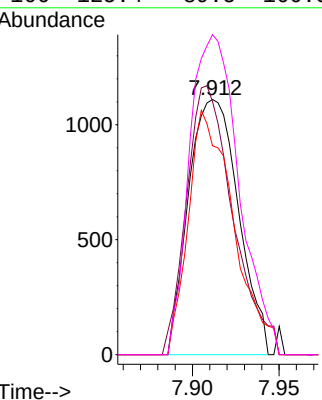
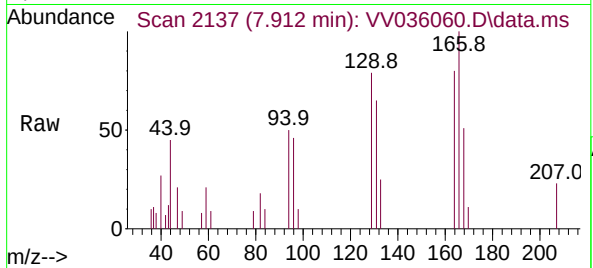
Ion Ratio Lower Upper

164 100

129 99.2 64.6 120.0

131 81.9 63.2 117.4

166 125.4 89.5 166.3



#49

Dibromochloromethane

Concen: 0.555 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.263 min

Lab File: VV036060.D

Acq: 13 Jun 2024 14:08

Tgt Ion:129 Resp: 2187

Ion Ratio Lower Upper

129 100

127 0.0 53.9 100.1#

