

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
 Data File : VV036054.D
 Acq On : 13 Jun 2024 11:51
 Operator : SY/MD
 Sample : P2850-11
 Misc : 6.08g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 01:17:08 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)

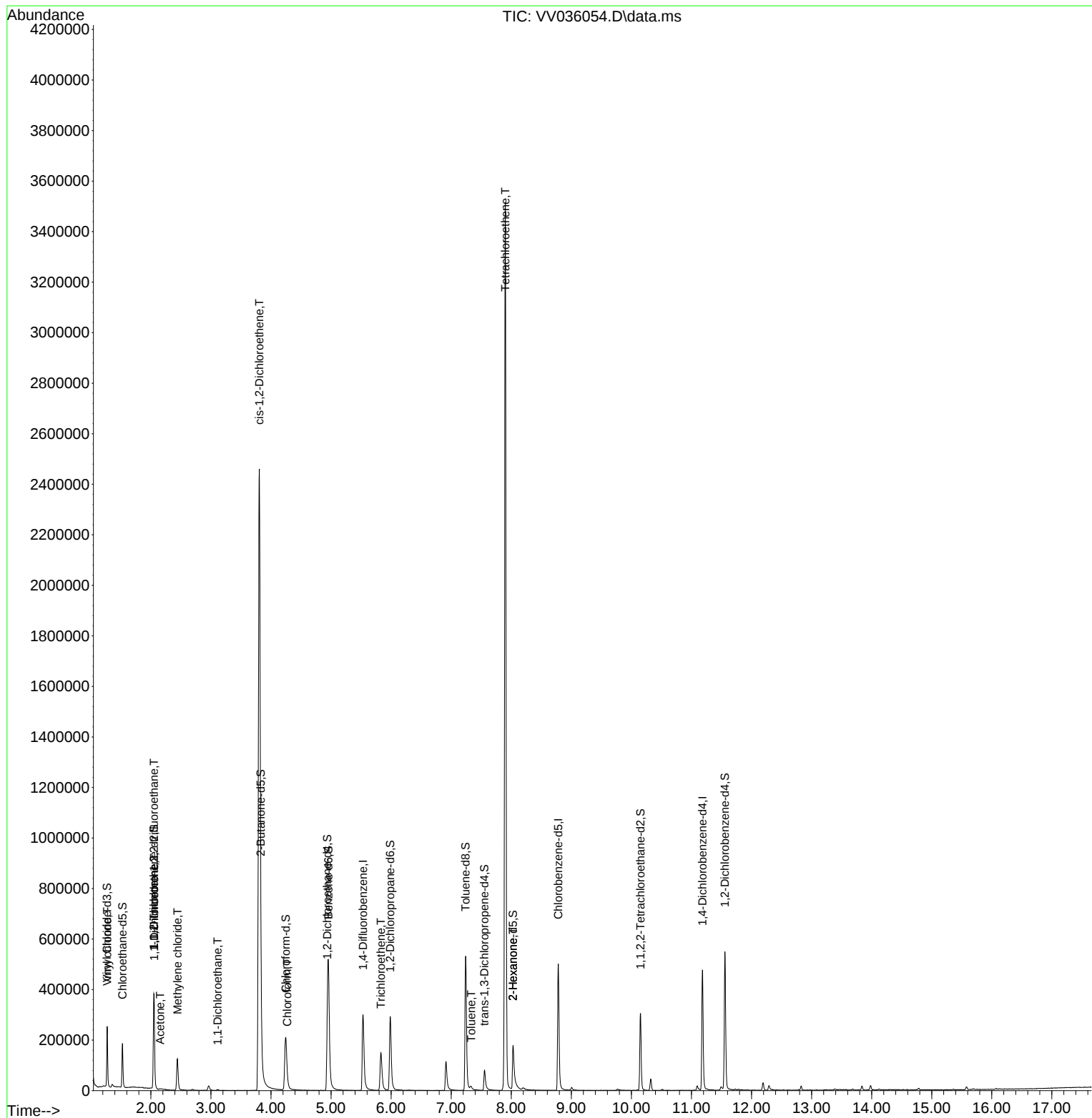
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	270575	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	286863	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	128360	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	151315	30.418	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	121.680%	
7) Chloroethane-d5	1.526	69	117853	29.712	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	118.840%	
11) 1,1-Dichloroethene-d2	2.050	65	66043	29.822	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	=	119.280%#	
21) 2-Butanone-d5	3.831	46	34674	30.380	ug/L	-0.01
Spiked Amount	50.000	Range 20 - 135	Recovery	=	60.760%	
24) Chloroform-d	4.246	84	234570	27.269	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	=	109.080%	
26) 1,2-Dichloroethane-d4	4.937	65	142157	31.519	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	=	126.080%	
32) Benzene-d6	4.957	84	468027	27.447	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	=	109.800%	
36) 1,2-Dichloropropane-d6	5.986	67	151287	28.174	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	=	112.680%	
41) Toluene-d8	7.239	98	372759	24.776	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	=	99.120%	
43) trans-1,3-Dichloroprop...	7.555	79	53495	24.297	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	=	97.200%	
47) 2-Hexanone-d5	8.030	63	73450	100.958	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	201.920%#	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	155518	38.757	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	=	155.040%#	
66) 1,2-Dichlorobenzene-d4	11.558	152	144070	30.607	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	=	122.440%#	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.275	62	6446	1.094	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-...	2.053	101	1766	0.380	ug/L #	24
12) 1,1-Dichloroethene	2.056	96	2976	0.687	ug/L #	1
13) Acetone	2.156	43	3706	2.085	ug/L	74
16) Methylene chloride	2.442	84	54707	8.935	ug/L	99
19) 1,1-Dichloroethane	3.111	63	3723	0.425	ug/L #	95
20) cis-1,2-Dichloroethene	3.806	96	1365479	295.248	ug/L	98
25) Chloroform	4.272	83	6362	0.706	ug/L #	67
34) Trichloroethene	5.831	95	51196	8.903	ug/L	98
42) Toluene	7.333	91	11743	0.613	ug/L	98
46) Tetrachloroethene	7.902	164	777452	184.866	ug/L	99
48) 2-Hexanone	8.030	43	8379	4.004	ug/L #	70

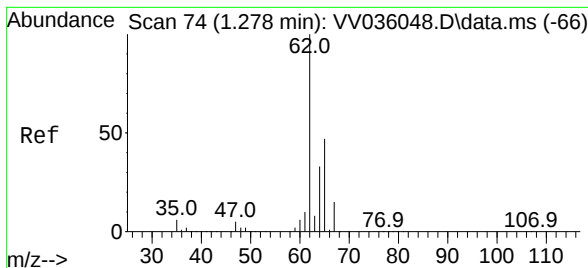
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 1.094 ug/L

RT: 1.275 min Scan# 74

Delta R.T. -0.003 min MSVOA_V

Lab File: VV036054.D

Acq: 13 Jun 2024 11:51

Instrument :

MSVOA_V

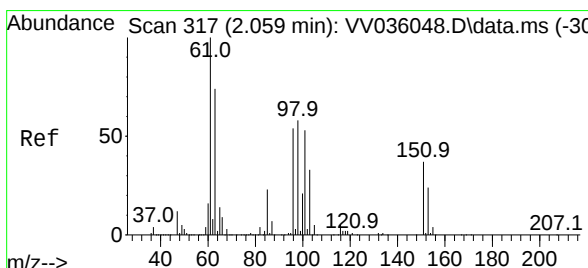
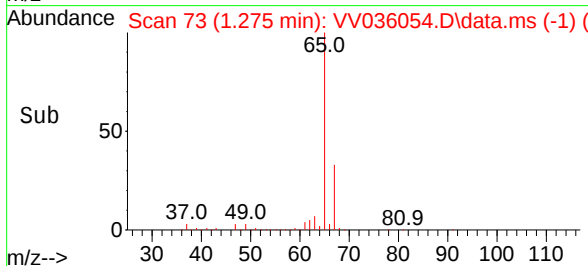
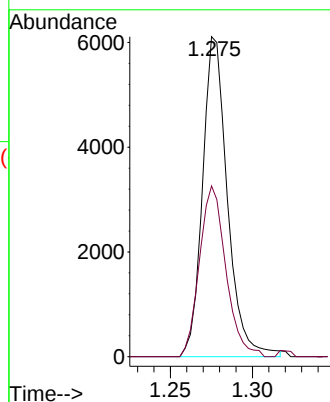
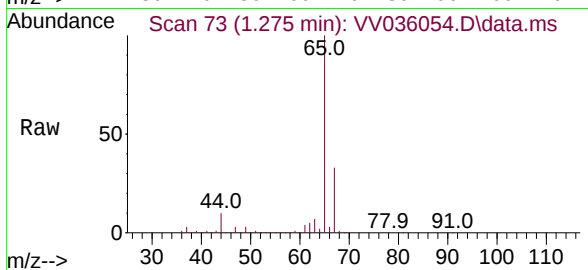
ClientSampleId :

Tgt Ion: 62 Resp: 6446

Ion Ratio Lower Upper

62 100

64 53.4 22.9 42.5#



#10

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

Concen: 0.380 ug/L

RT: 2.053 min Scan# 315

Delta R.T. -0.006 min

Lab File: VV036054.D

Acq: 13 Jun 2024 11:51

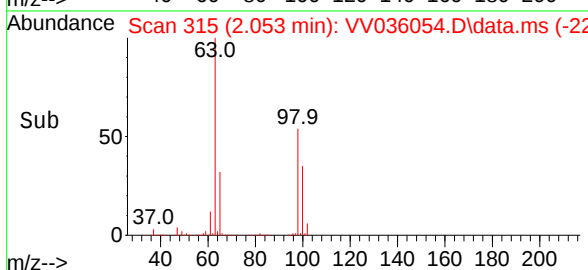
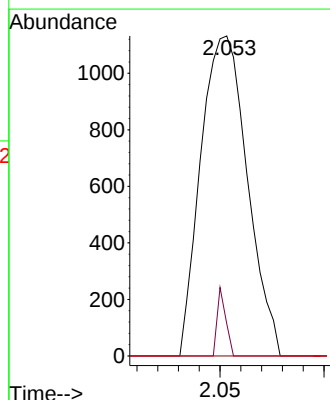
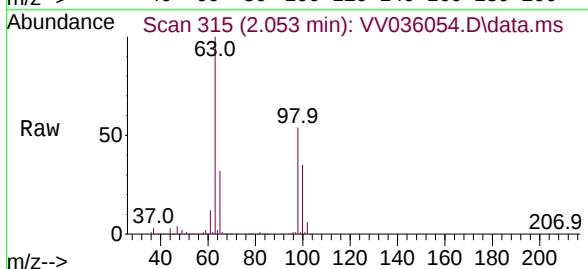
Tgt Ion: 101 Resp: 1766

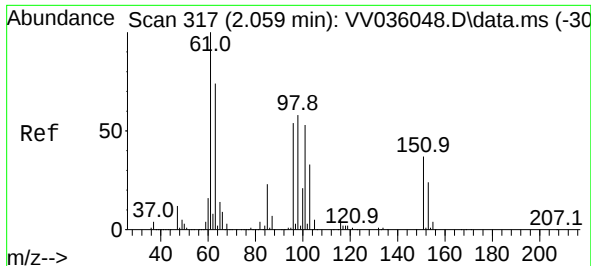
Ion Ratio Lower Upper

101 100

85 3.9 34.5 51.7#

151 0.0 56.3 84.5#





#12

1,1-Dichloroethene

Concen: 0.687 ug/L

RT: 2.056 min Scan# 317

Delta R.T. -0.003 min

Lab File: VV036054.D

Acq: 13 Jun 2024 11:51

Instrument :

MSVOA_V

ClientSampleId :

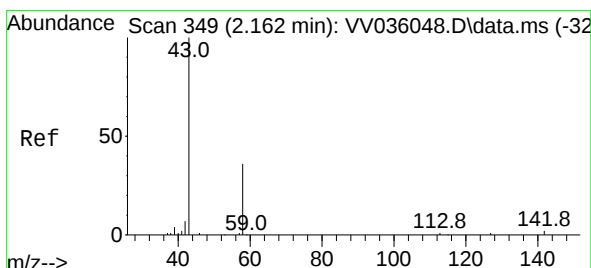
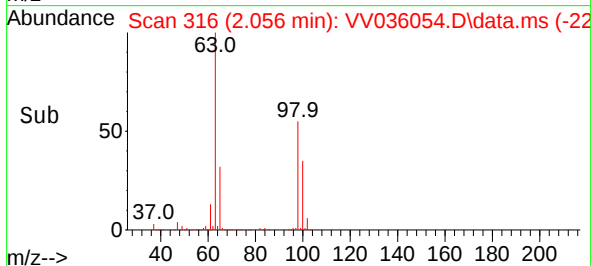
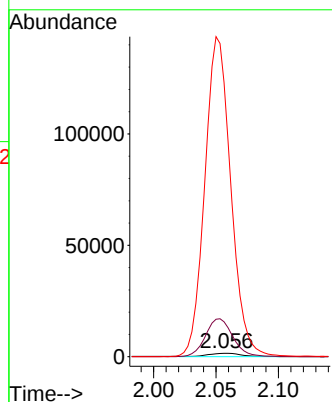
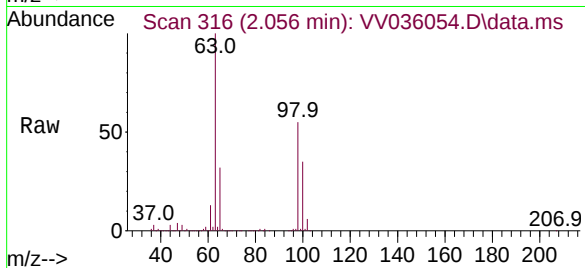
Tgt Ion: 96 Resp: 2976

Ion Ratio Lower Upper

96 100

61 1011.0 127.3 236.3#

63 7943.7 93.7 173.9#



#13

Acetone

Concen: 2.085 ug/L

RT: 2.156 min Scan# 347

Delta R.T. -0.006 min

Lab File: VV036054.D

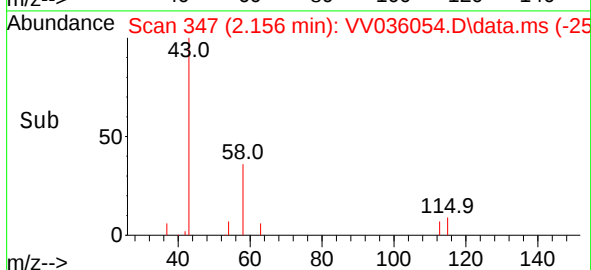
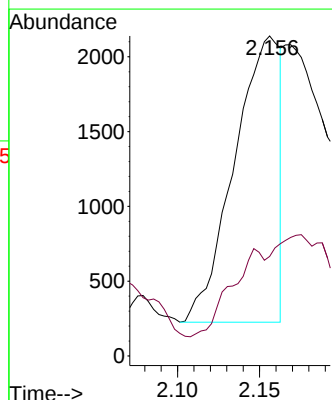
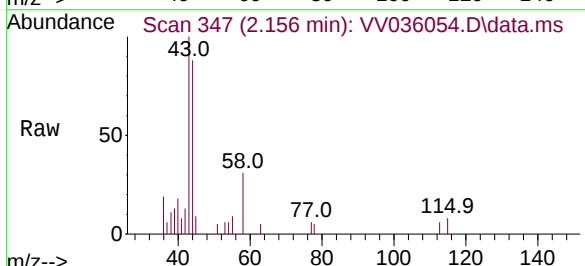
Acq: 13 Jun 2024 11:51

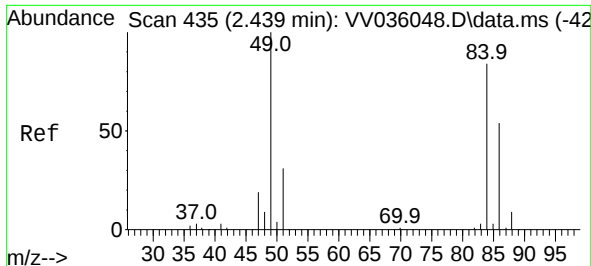
Tgt Ion: 43 Resp: 3706

Ion Ratio Lower Upper

43 100

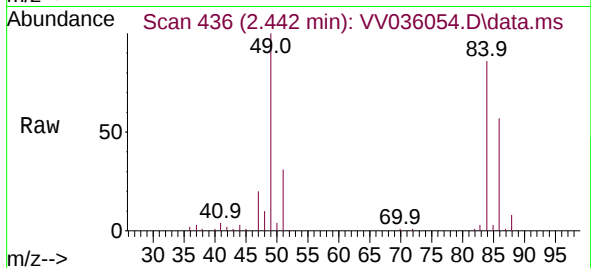
58 22.3 0.0 24.2



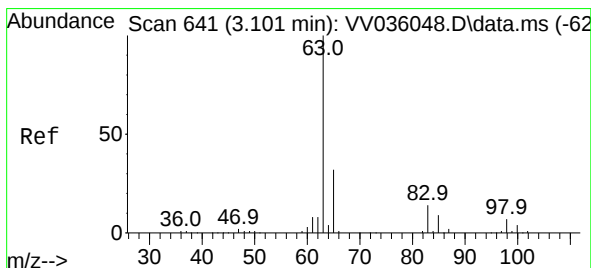
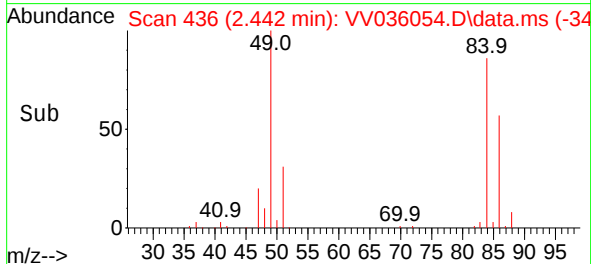
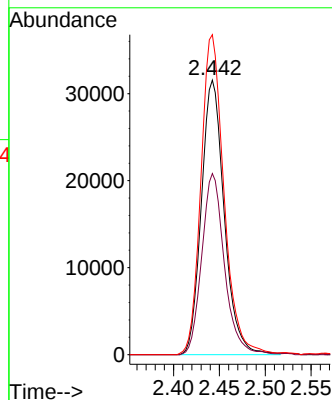


#16
Methylene chloride
Concen: 8.935 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV036054.D
Acq: 13 Jun 2024 11:51

Instrument :
MSVOA_V
ClientSampleId :

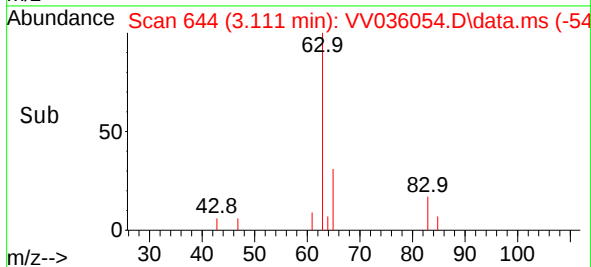
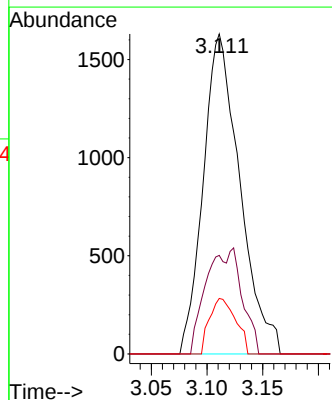
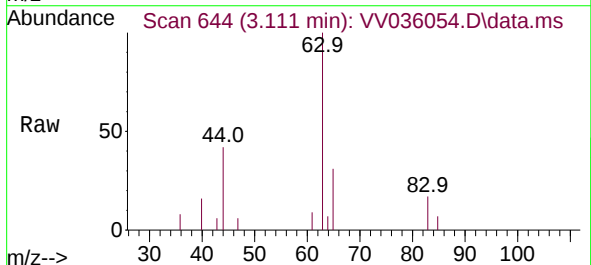


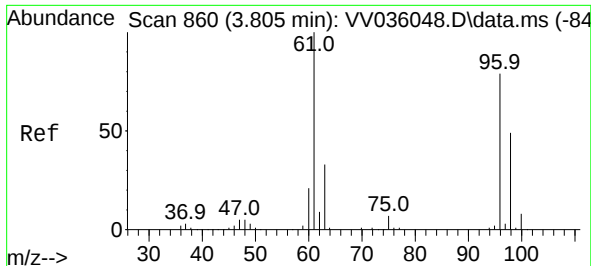
Tgt Ion: 84 Resp: 54707
Ion Ratio Lower Upper
84 100
86 66.0 44.6 82.8
49 116.6 81.1 150.5



#19
1,1-Dichloroethane
Concen: 0.425 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.010 min
Lab File: VV036054.D
Acq: 13 Jun 2024 11:51

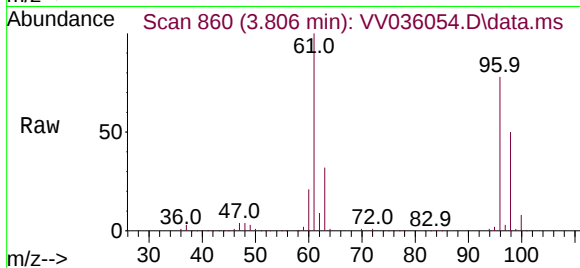
Tgt Ion: 63 Resp: 3723
Ion Ratio Lower Upper
63 100
65 30.8 22.4 41.6
83 17.4 9.2 17.0#





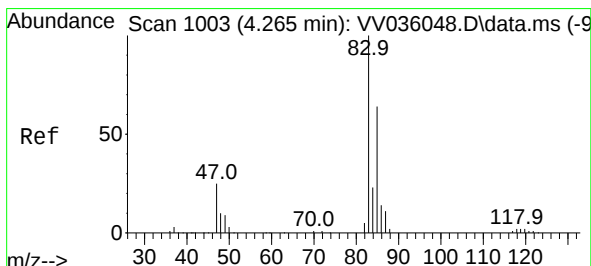
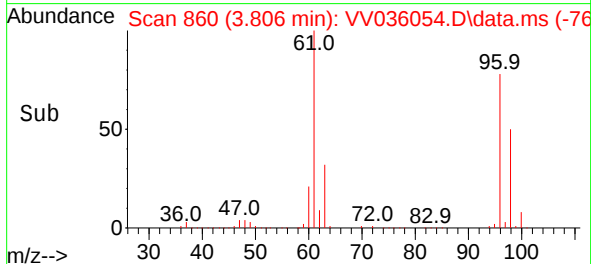
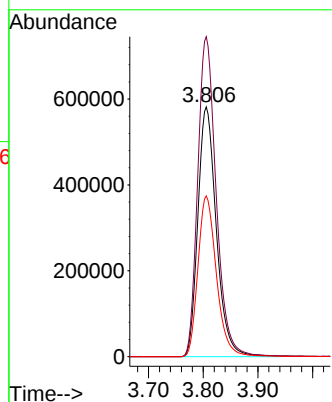
#20
cis-1,2-Dichloroethene
Concen: 295.248 ug/L
RT: 3.806 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV036054.D
Acq: 13 Jun 2024 11:51

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 1365479

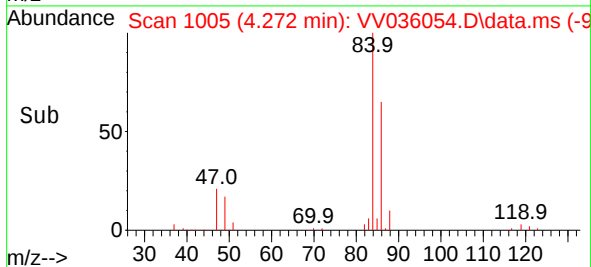
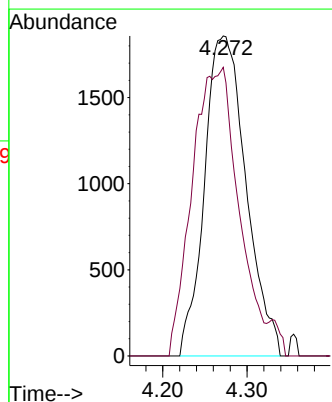
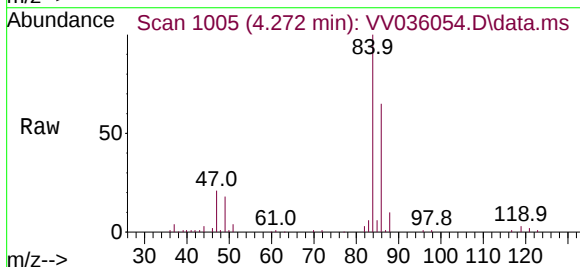
Ion	Ratio	Lower	Upper
96	100		
61	128.2	87.9	163.3
98	64.4	44.4	82.5

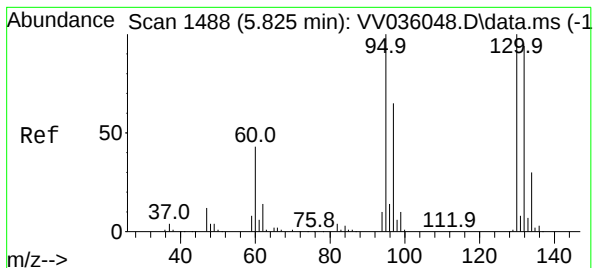


#25
Chloroform
Concen: 0.706 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.007 min
Lab File: VV036054.D
Acq: 13 Jun 2024 11:51

Tgt Ion: 83 Resp: 6362

Ion	Ratio	Lower	Upper
83	100		
85	90.2	45.2	84.0#





#34

Trichloroethene

Concen: 8.903 ug/L

RT: 5.831 min Scan# 1488

Delta R.T. 0.007 min

Lab File: VV036054.D

Acq: 13 Jun 2024 11:51

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 51196

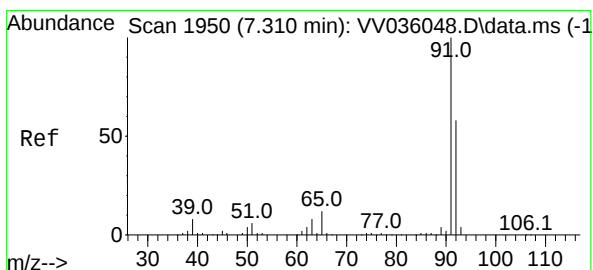
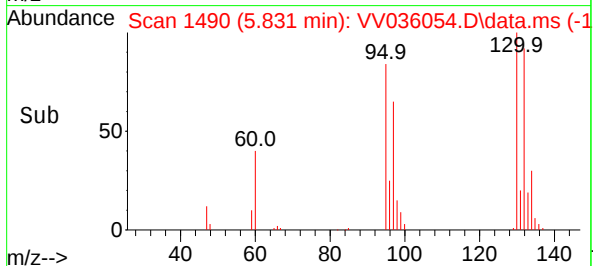
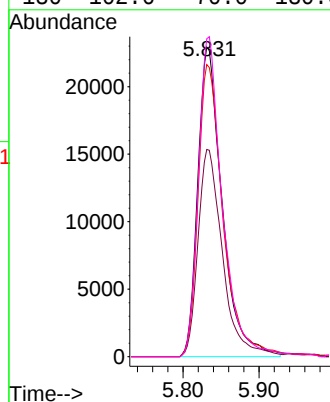
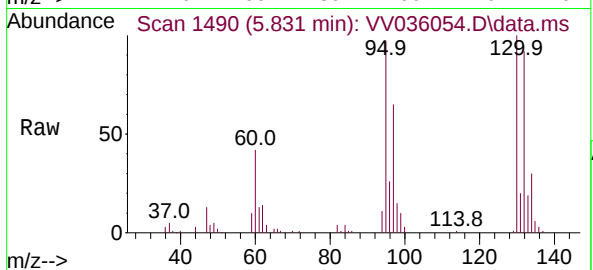
Ion Ratio Lower Upper

95 100

97 66.9 44.8 83.2

132 94.3 66.8 124.2

130 102.6 70.0 130.0



#42

Toluene

Concen: 0.613 ug/L

RT: 7.333 min Scan# 1957

Delta R.T. 0.023 min

Lab File: VV036054.D

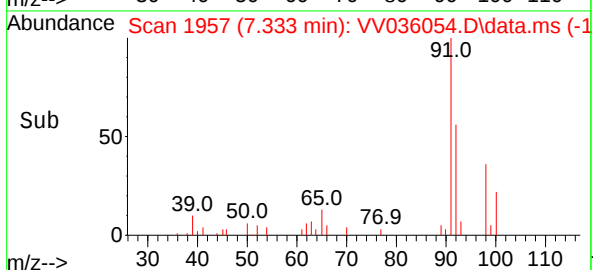
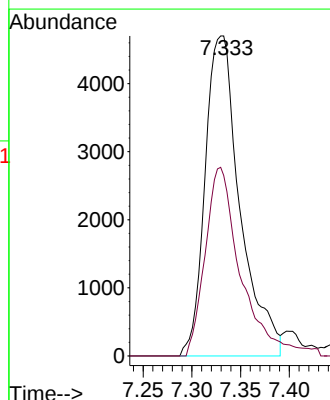
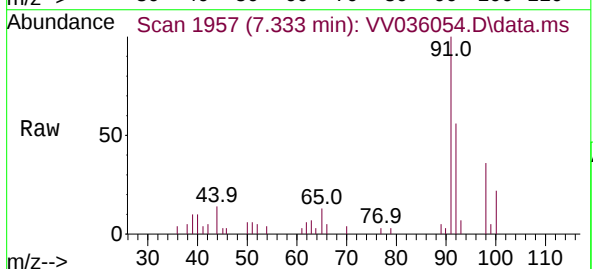
Acq: 13 Jun 2024 11:51

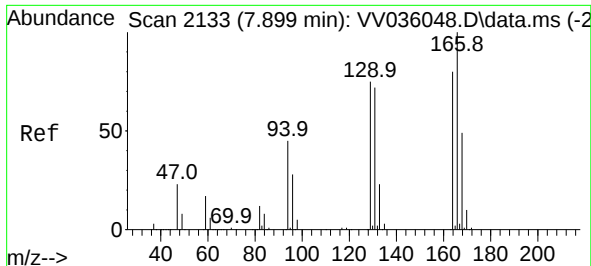
Tgt Ion: 91 Resp: 11743

Ion Ratio Lower Upper

91 100

92 56.4 40.6 75.4





#46

Tetrachloroethene

Concen: 184.866 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.003 min

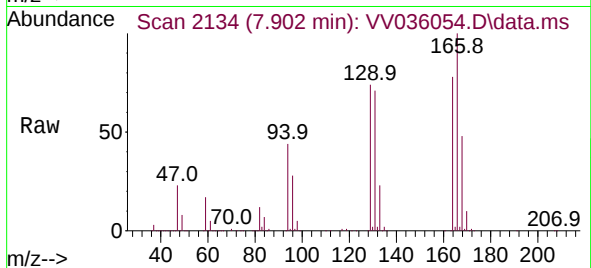
Lab File: VV036054.D

Acq: 13 Jun 2024 11:51

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MSVOA_V

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Tgt Ion:164 Resp: 777452

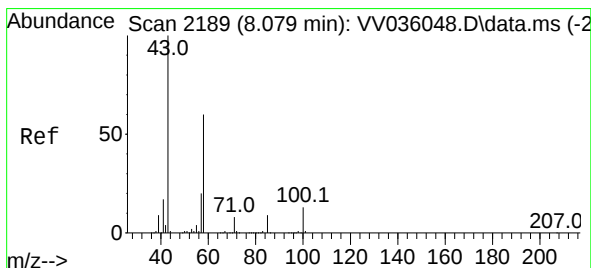
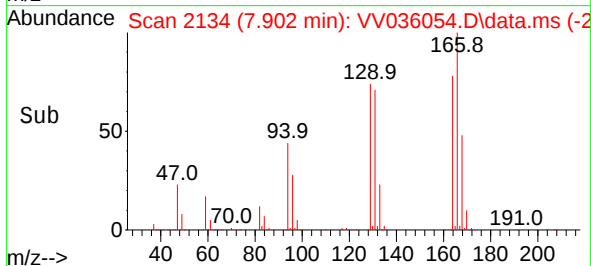
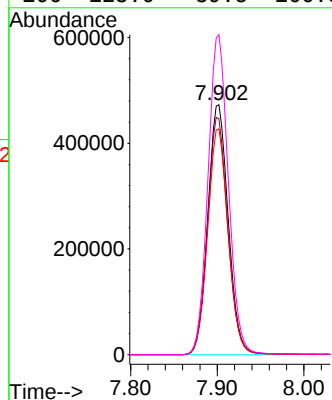
Ion Ratio Lower Upper

164 100

129 94.3 64.6 120.0

131 90.3 63.2 117.4

166 128.0 89.5 166.3



#48

2-Hexanone

Concen: 4.004 ug/L

RT: 8.030 min Scan# 2174

Delta R.T. -0.048 min

Lab File: VV036054.D

Acq: 13 Jun 2024 11:51

Tgt Ion: 43 Resp: 8379

Ion Ratio Lower Upper

43 100

58 39.1 45.4 68.0#

57 42.9 15.8 23.8#

100 1.8 9.8 14.8#

