

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061124\
 Data File : VV036034.D
 Acq On : 11 Jun 2024 15:10
 Operator : SY/MD
 Sample : P2798-04
 Misc : 5.18g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 12 02:07:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 12 02:05:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	243517	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	254611	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	116198	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	293974	65.662	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 262.640%#			
7) Chloroethane-d5	1.529	69	258235	72.338	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 289.360%#			
11) 1,1-Dichloroethene-d2	2.053	65	139258	69.871	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 279.480%#			
21) 2-Butanone-d5	3.812	46	173312	168.722	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 337.440%#			
24) Chloroform-d	4.243	84	582014	75.177	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 300.720%#			
26) 1,2-Dichloroethane-d4	4.937	65	314057	77.370	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 309.480%#			
32) Benzene-d6	4.953	84	1159979	76.644	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 306.560%#			
36) 1,2-Dichloropropane-d6	5.982	67	379058	79.532	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 318.120%#			
41) Toluene-d8	7.239	98	1006023	75.336	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 301.360%#			
43) trans-1,3-Dichloroprop...	7.548	79	145848	74.633	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 298.520%#			
47) 2-Hexanone-d5	8.027	63	120816	187.098	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 374.200%#			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	303767	85.291	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 341.160%#			
66) 1,2-Dichlorobenzene-d4	11.558	152	381925	89.630	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 358.520%#			
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.053	101	3945	0.944	ug/L #	23
12) 1,1-Dichloroethene	2.056	96	5012	1.285	ug/L #	1
13) Acetone	2.150	43	3978	2.486	ug/L	93
16) Methylene chloride	2.442	84	41360	7.506	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	8003	1.932	ug/L	93
19) 1,1-Dichloroethane	3.111	63	19233	2.438	ug/L	96
20) cis-1,2-Dichloroethene	3.806	96	3646619	876.094	ug/L	98
25) Chloroform	4.269	83	12987	1.600	ug/L	81
34) Trichloroethene	5.831	95	78912	15.462	ug/L	98
39) cis-1,3-Dichloropropene	6.908	75	8438	1.290	ug/L #	62
42) Toluene	7.326	91	21077	1.239	ug/L	100
44) trans-1,3-Dichloropropene	7.551	75	5927	1.049	ug/L	87
46) Tetrachloroethene	7.902	164	253082	67.802	ug/L	98
48) 2-Hexanone	8.027	43	12910	6.951	ug/L #	73
57) 1,1,2,2-Tetrachloroethane	10.162	83	1771	0.547	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	12.191	75	1125	1.831	ug/L #	4

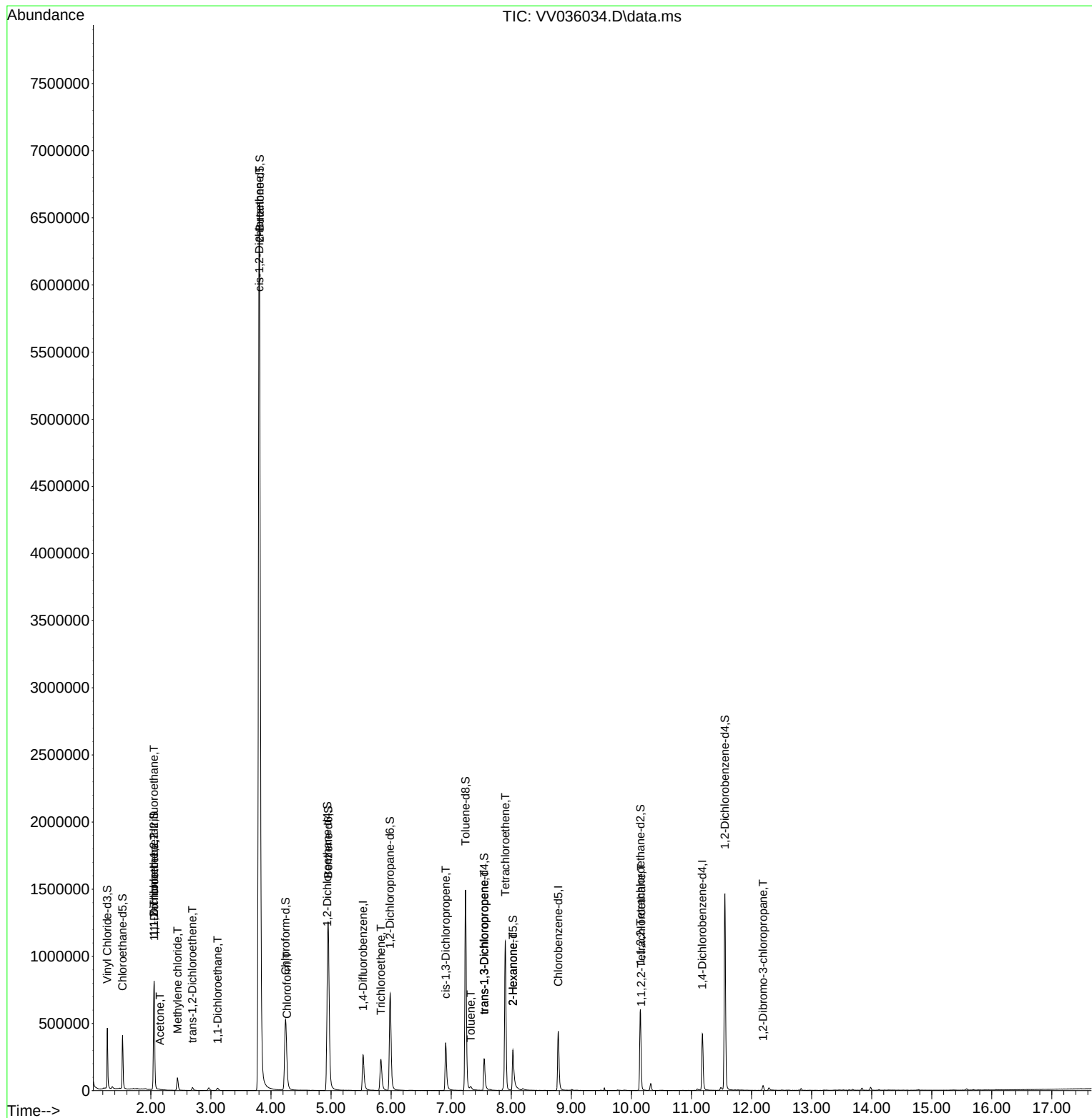
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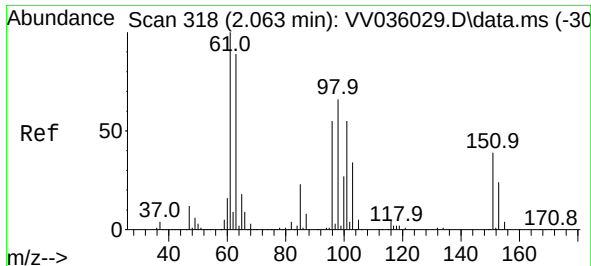
Instrument :
MSVOA_V
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061124\
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Quant Time: Jun 12 02:07:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 02:05:45 2024
Response via : Initial Calibration





#10

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

Concen: 0.944 ug/L

RT: 2.053 min Scan# 318

Delta R.T. -0.010 min

Lab File: VV036034.D

Acq: 11 Jun 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

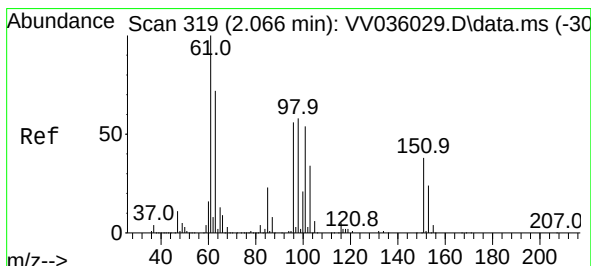
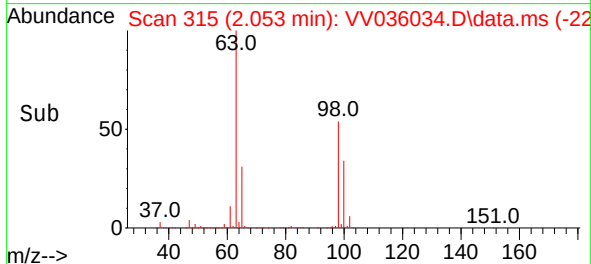
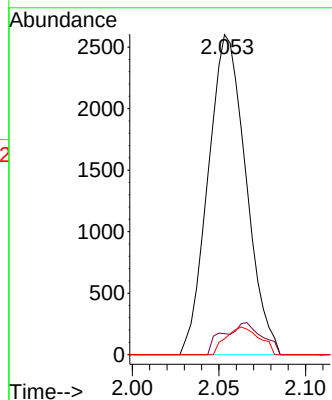
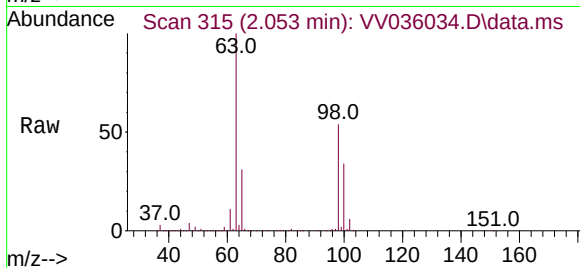
Tgt Ion:101 Resp: 3945

Ion Ratio Lower Upper

101 100

85 3.2 34.5 51.7#

151 0.0 56.3 84.5#



#12

1,1-Dichloroethene

Concen: 1.285 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.010 min

Lab File: VV036034.D

Acq: 11 Jun 2024 15:10

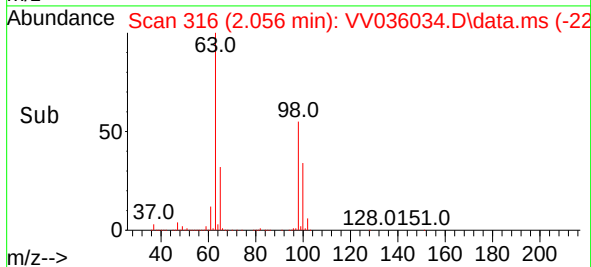
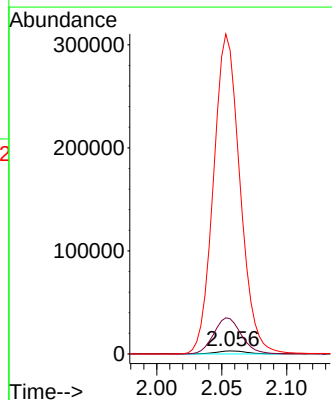
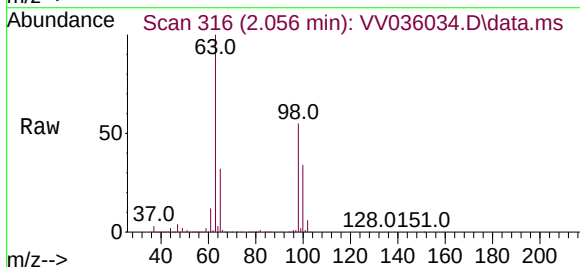
Tgt Ion: 96 Resp: 5012

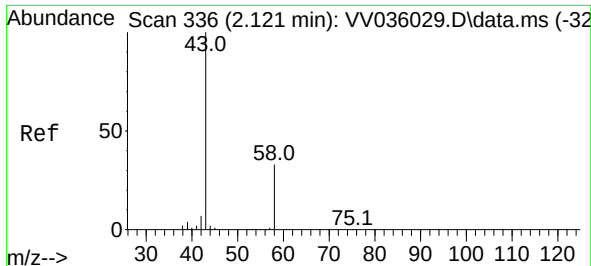
Ion Ratio Lower Upper

96 100

61 1150.9 127.3 236.3#

63 9943.3 93.7 173.9#





#13

Acetone

Concen: 2.486 ug/L

RT: 2.150 min Scan# 345

Delta R.T. 0.029 min

Lab File: VV036034.D

Acq: 11 Jun 2024 15:10

Instrument :

MSVOA_V

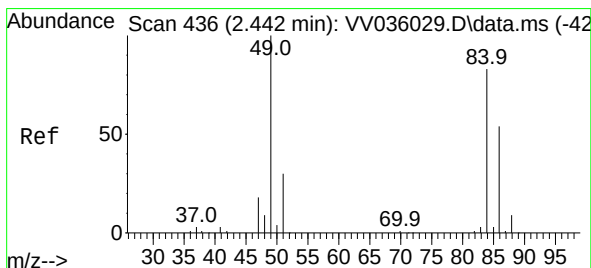
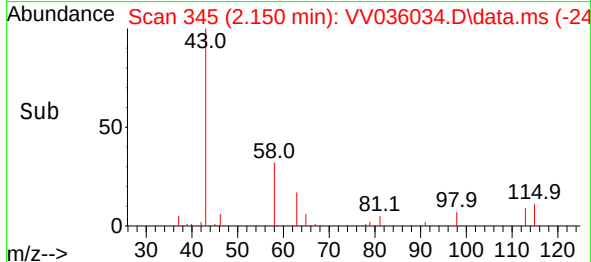
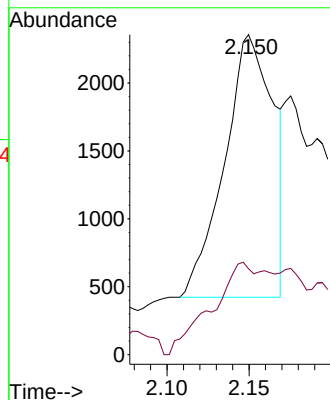
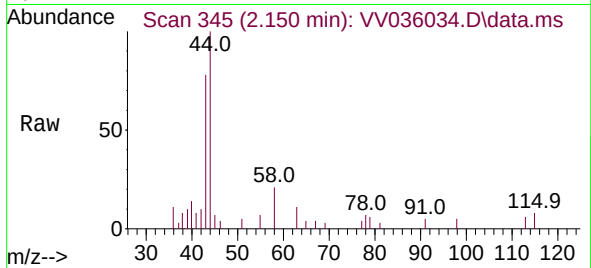
ClientSampleId :

Tgt Ion: 43 Resp: 3978

Ion Ratio Lower Upper

43 100

58 9.3 0.0 24.2



#16

Methylene chloride

Concen: 7.506 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV036034.D

Acq: 11 Jun 2024 15:10

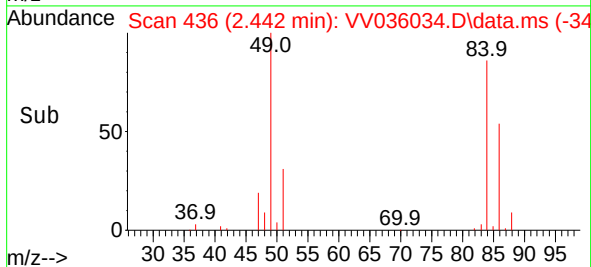
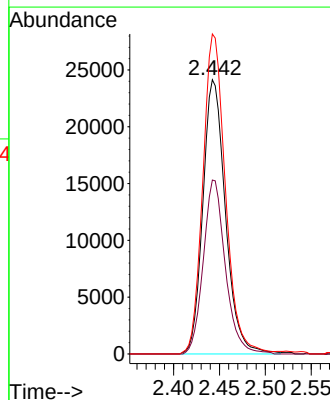
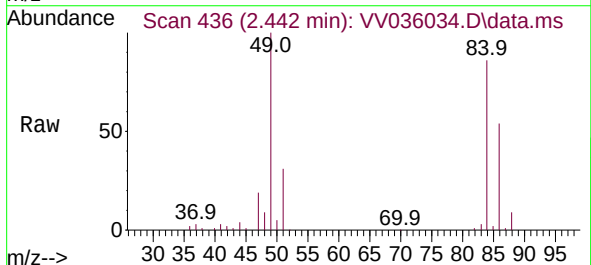
Tgt Ion: 84 Resp: 41360

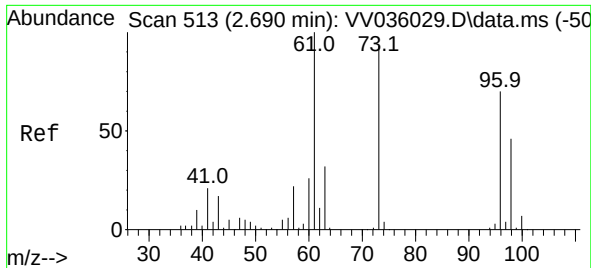
Ion Ratio Lower Upper

84 100

86 63.5 44.6 82.8

49 116.7 81.1 150.5

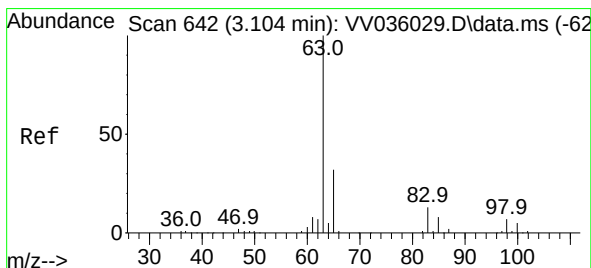
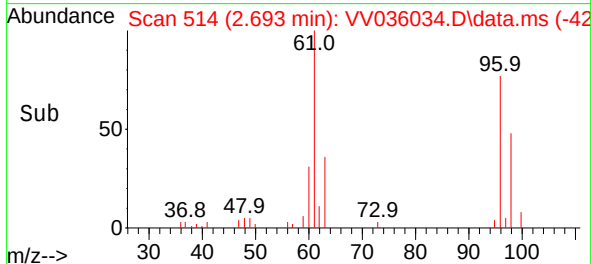
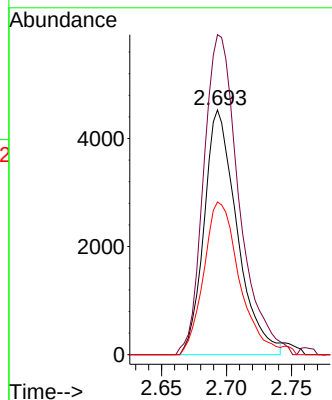
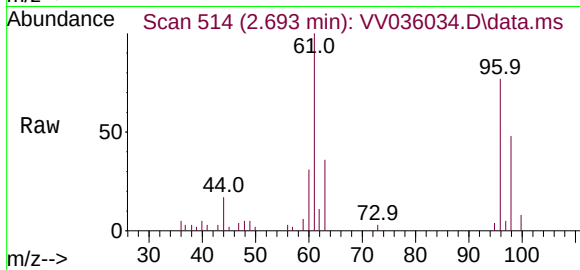




#17
trans-1,2-Dichloroethene
Concen: 1.932 ug/L
RT: 2.693 min Scan# 513
Delta R.T. 0.003 min
Lab File: VV036034.D
Acq: 11 Jun 2024 15:10

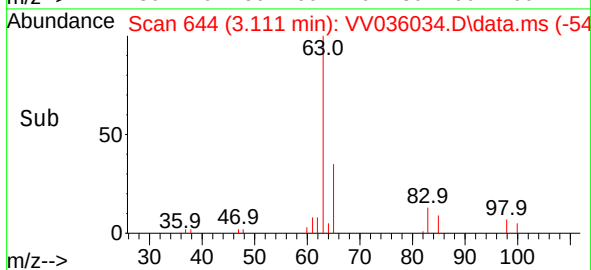
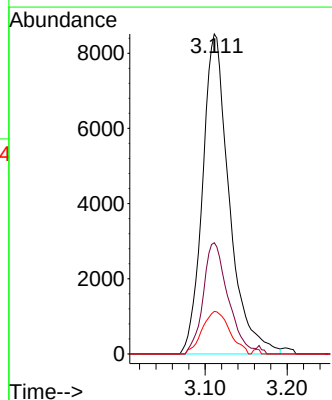
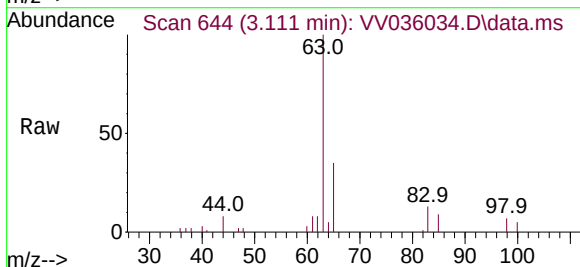
Instrument :
MSVOA_V
ClientSampleId :

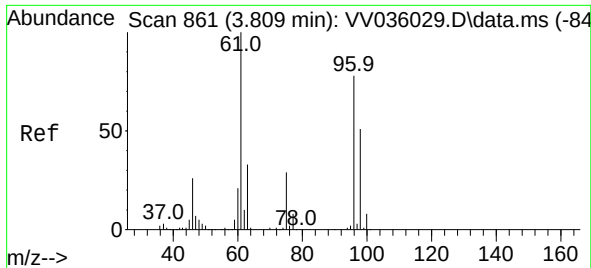
Tgt Ion:	96	Resp:	8003
Ion	Ratio	Lower	Upper
96	100		
61	130.7	99.4	184.6
98	62.3	44.9	83.3



#19
1,1-Dichloroethane
Concen: 2.438 ug/L
RT: 3.111 min Scan# 644
Delta R.T. 0.007 min
Lab File: VV036034.D
Acq: 11 Jun 2024 15:10

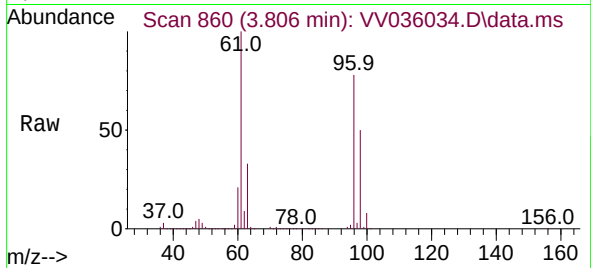
Tgt Ion:	63	Resp:	19233
Ion	Ratio	Lower	Upper
63	100		
65	34.8	22.4	41.6
83	13.3	9.2	17.0





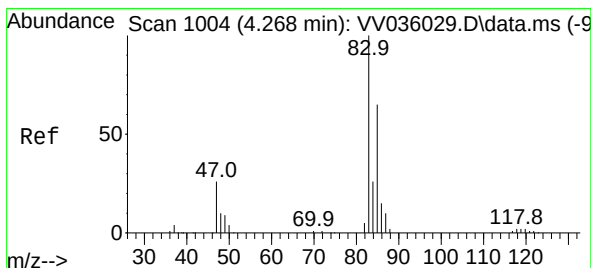
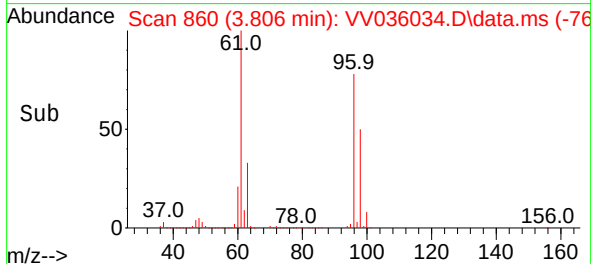
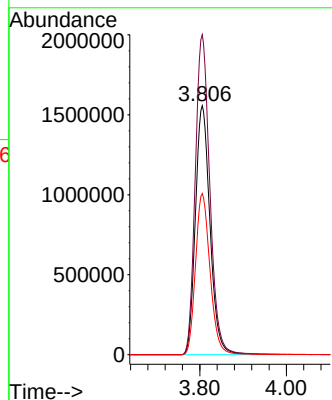
#20
cis-1,2-Dichloroethene
Concen: 876.094 ug/L
RT: 3.806 min Scan# 861
Delta R.T. -0.003 min
Lab File: VV036034.D
Acq: 11 Jun 2024 15:10

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 96 Resp: 3646619

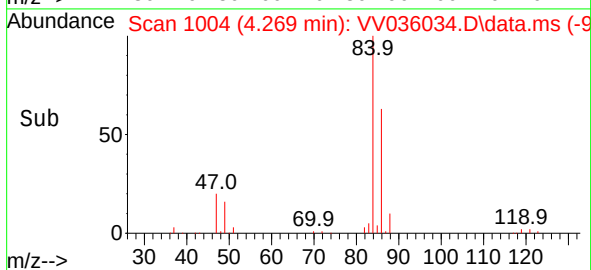
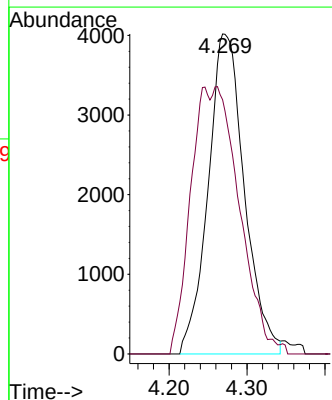
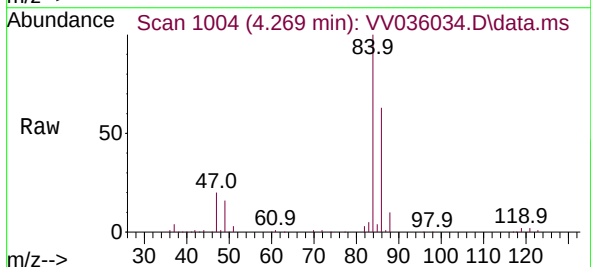
Ion	Ratio	Lower	Upper
96	100		
61	128.5	87.9	163.3
98	64.7	44.4	82.5

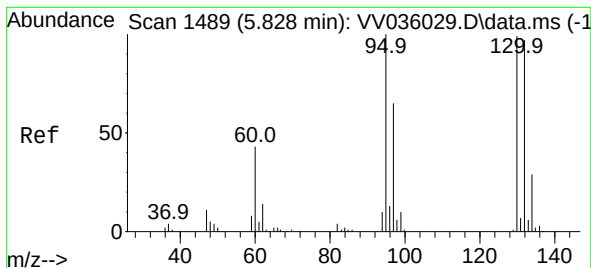


#25
Chloroform
Concen: 1.600 ug/L
RT: 4.269 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VV036034.D
Acq: 11 Jun 2024 15:10

Tgt Ion: 83 Resp: 12987

Ion	Ratio	Lower	Upper
83	100		
85	79.4	45.2	84.0





#34

Trichloroethene

Concen: 15.462 ug/L

RT: 5.831 min Scan# 1489

Delta R.T. 0.003 min

Lab File: VV036034.D

Acq: 11 Jun 2024 15:10

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 78912

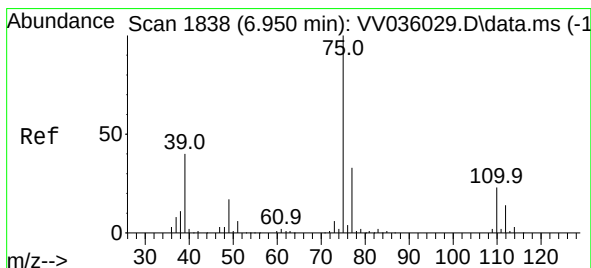
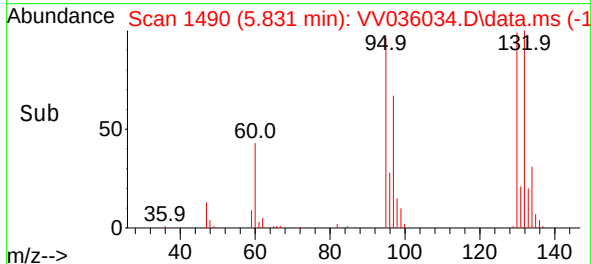
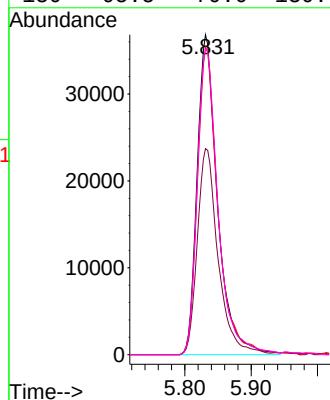
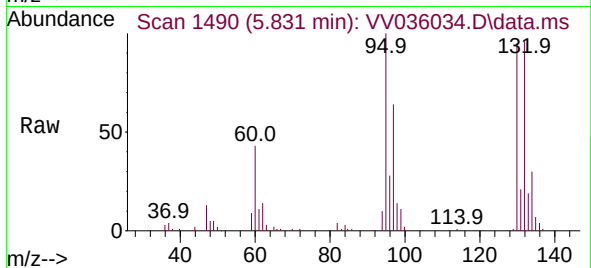
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 96.2 66.8 124.2

130 95.5 70.0 130.0



#39

cis-1,3-Dichloropropene

Concen: 1.290 ug/L

RT: 6.908 min Scan# 1825

Delta R.T. -0.042 min

Lab File: VV036034.D

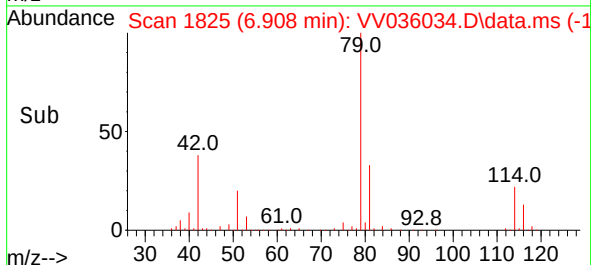
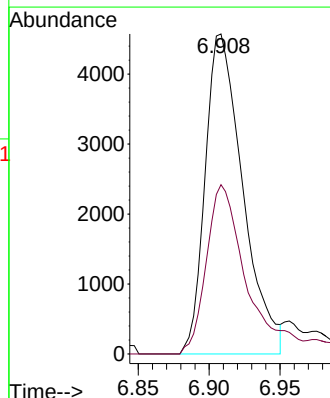
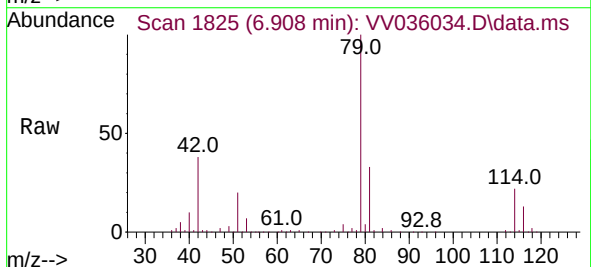
Acq: 11 Jun 2024 15:10

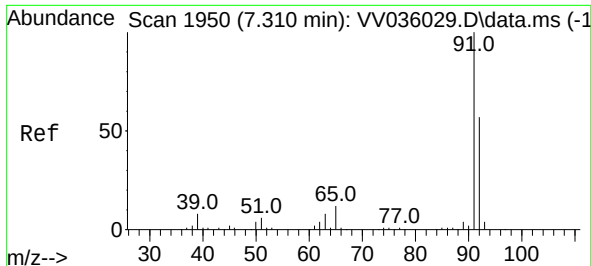
Tgt Ion: 75 Resp: 8438

Ion Ratio Lower Upper

75 100

77 52.9 22.1 41.1#





#42

Toluene

Concen: 1.239 ug/L

RT: 7.326 min Scan# 1955

Delta R.T. 0.016 min

Lab File: VV036034.D

Acq: 11 Jun 2024 15:10

Instrument :

MSVOA_V

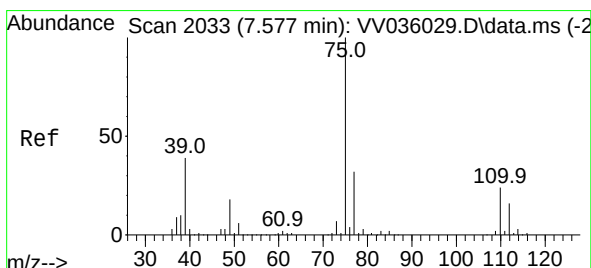
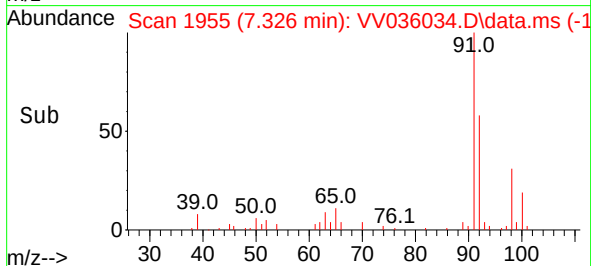
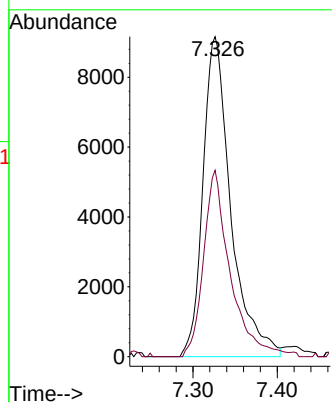
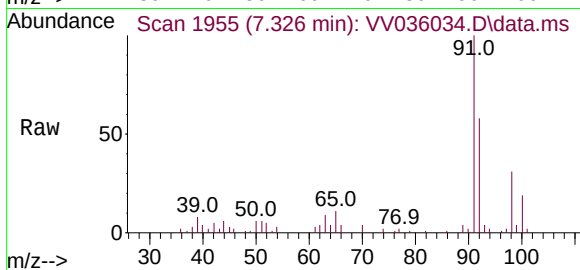
ClientSampleId :

Tgt Ion: 91 Resp: 21077

Ion Ratio Lower Upper

91 100

92 58.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 1.049 ug/L

RT: 7.551 min Scan# 2025

Delta R.T. -0.026 min

Lab File: VV036034.D

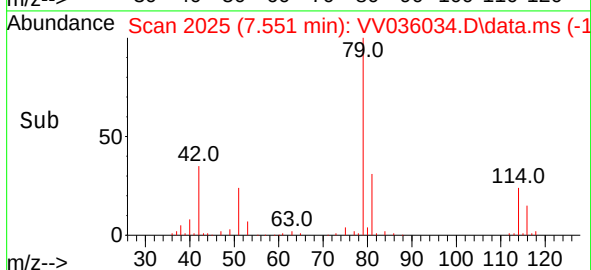
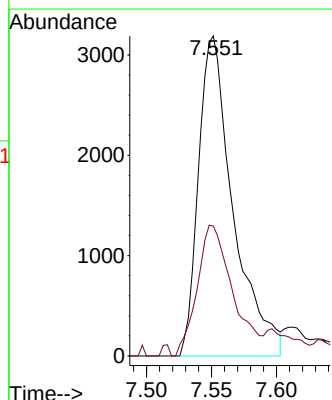
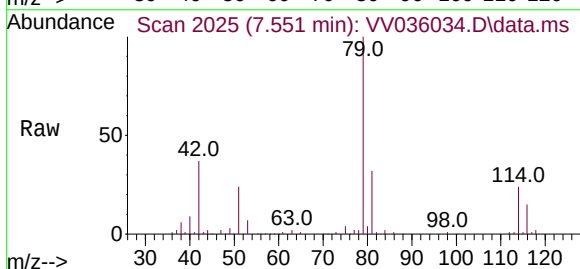
Acq: 11 Jun 2024 15:10

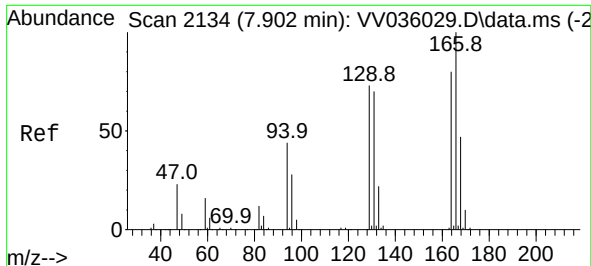
Tgt Ion: 75 Resp: 5927

Ion Ratio Lower Upper

75 100

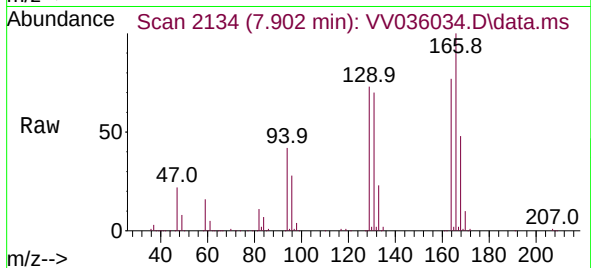
77 40.6 23.1 42.9



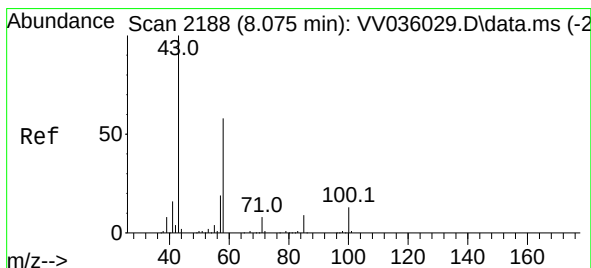
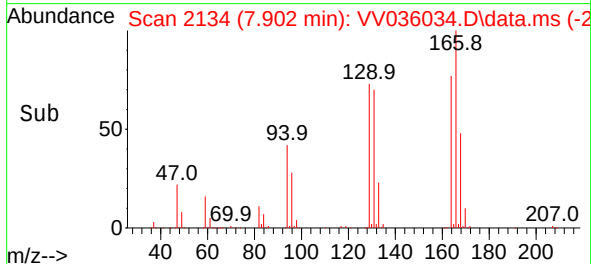
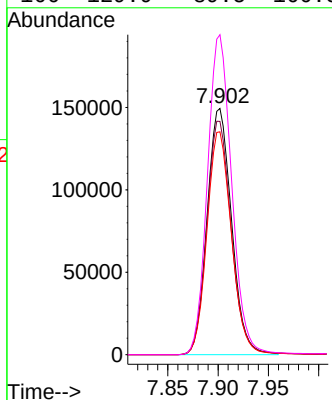


#46
Tetrachloroethene
Concen: 67.802 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036034.D
Acq: 11 Jun 2024 15:10

Instrument :
MSVOA_V
ClientSampleId :

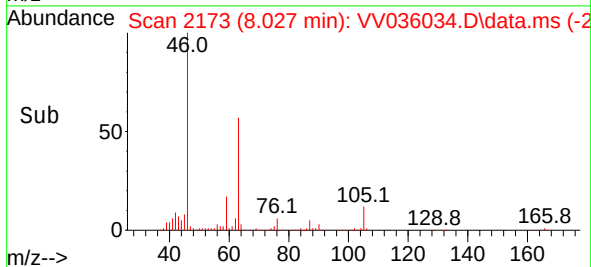
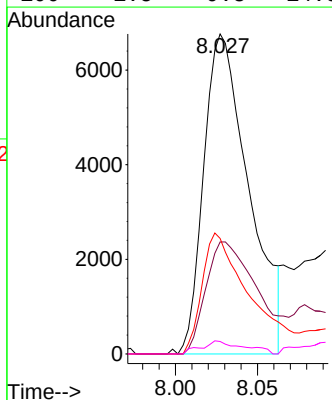
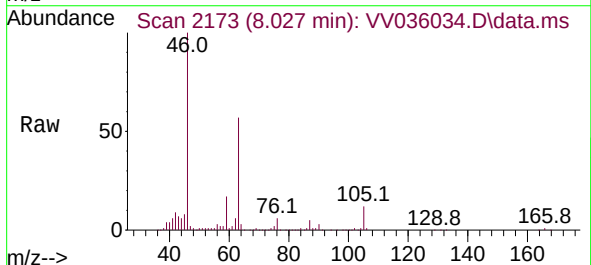


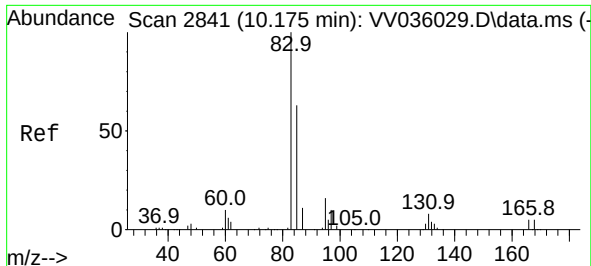
Tgt Ion:164 Resp: 253082
Ion Ratio Lower Upper
164 100
129 94.7 64.6 120.0
131 90.5 63.2 117.4
166 129.9 89.5 166.3



#48
2-Hexanone
Concen: 6.951 ug/L
RT: 8.027 min Scan# 2173
Delta R.T. -0.048 min
Lab File: VV036034.D
Acq: 11 Jun 2024 15:10

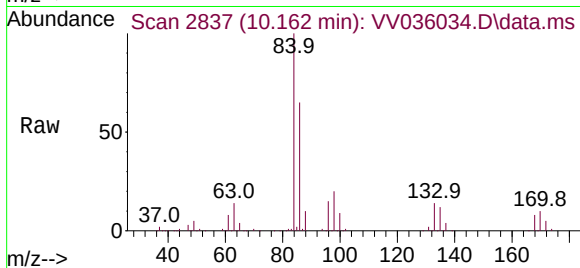
Tgt Ion: 43 Resp: 12910
Ion Ratio Lower Upper
43 100
58 41.2 45.4 68.0#
57 40.1 15.8 23.8#
100 1.5 9.8 14.8#



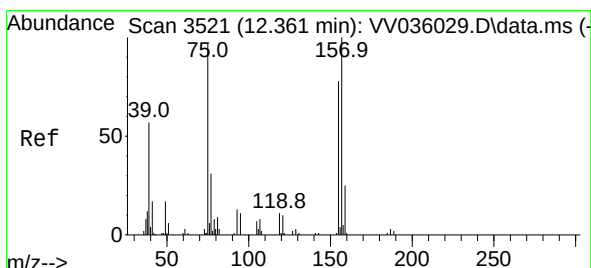
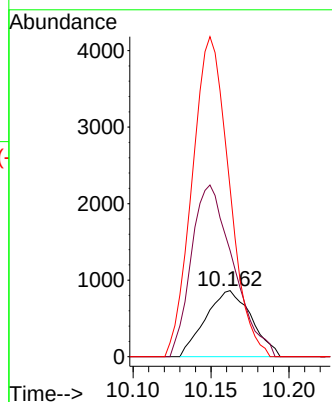
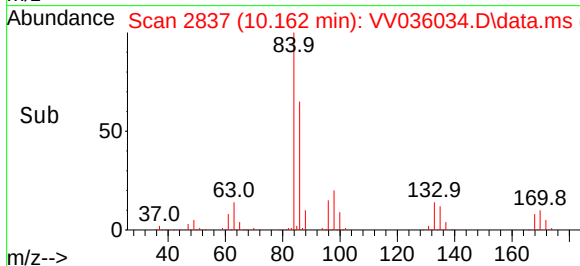


#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.547 ug/L
 RT: 10.162 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VV036034.D
 Acq: 11 Jun 2024 15:10

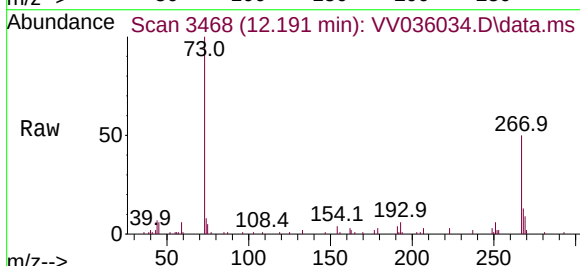
Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 83 Resp: 1771
 Ion Ratio Lower Upper
 83 100
 85 160.3 45.1 83.7#
 131 254.2 7.6 11.4#



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.831 ug/L
 RT: 12.191 min Scan# 3468
 Delta R.T. -0.170 min
 Lab File: VV036034.D
 Acq: 11 Jun 2024 15:10



Tgt Ion: 75 Resp: 1125
 Ion Ratio Lower Upper
 75 100
 155 0.0 63.3 94.9#
 157 0.0 82.4 123.6#

