

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082924\
 Data File : VV037146.D
 Acq On : 29 Aug 2024 11:07
 Operator : SY/MD
 Sample : P3733-22
 Misc : 10.00G/10mL/100uL/5.00mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A44B8

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/30/2024
 Supervised By : Semsettin Yesilyurt 08/30/2024

Quant Time: Aug 29 23:40:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 29 23:38:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	699829	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	680652	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	353362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	296996	46.393	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.780%
7) Chloroethane-d5	1.506	69	176383m	35.650	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.300%
11) 1,1-Dichloroethene-d2	2.040	65	136179	50.611	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.220%
21) 2-Butanone-d5	3.796	46	236716m	95.486	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.490%
24) Chloroform-d	4.239	84	543199	54.215	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.440%
26) 1,2-Dichloroethane-d4	4.934	65	335042	53.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.200%
32) Benzene-d6	4.947	84	1075826	52.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.660%
36) 1,2-Dichloropropane-d6	5.982	67	341811	53.083	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.160%
41) Toluene-d8	7.236	98	961750	51.835	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.680%
43) trans-1,3-Dichloroprop...	7.551	79	154254	51.780	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.560%
47) 2-Hexanone-d5	8.030	63	198391	112.891	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.890%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	430291	55.099	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.200%
66) 1,2-Dichlorobenzene-d4	11.554	152	371110	52.438	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.880%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.053	96	665875m	145.841	ug/L	
13) Acetone	2.117	43	541341m	203.607	ug/L	
15) Methyl Acetate	2.371	43	55666	12.488	ug/L	92
16) Methylene chloride	2.436	84	615594	119.501	ug/L	99
17) trans-1,2-Dichloroethene	2.677	96	600661	126.727	ug/L	98
20) cis-1,2-Dichloroethene	3.799	96	661645	126.328	ug/L	98
22) 2-Butanone	3.876	43	925881m	316.288	ug/L	
25) Chloroform	4.265	83	654596	68.667	ug/L	99
31) Carbon tetrachloride	4.719	117	427638	64.710	ug/L	98
33) Benzene	4.995	78	2796918	142.387	ug/L	100
34) Trichloroethene	5.821	95	739722	142.675	ug/L	99
42) Toluene	7.310	91	1445917	70.698	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	377223	50.783	ug/L	100
46) Tetrachloroethene	7.898	164	479028	128.771	ug/L	96
49) Dibromochloromethane	8.172	129	813093	165.645	ug/L	100
50) 1,2-Dibromoethane	8.278	107	758068	152.818	ug/L	99
52) Ethylbenzene	8.940	91	2495443	108.021	ug/L	99
53) m,p-Xylene	9.069	106	929732	108.622	ug/L	99
54) o-Xylene	9.474	106	418822	49.975	ug/L	98

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Quant Title : VOC Analysis
QLast Update : Thu Aug 29 23:38:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	10.175	83	880539	121.280	ug/L	100
59) Bromoform	9.660	173	115839	35.205	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	870051	82.250	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	721670	66.657	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	1597228	153.563	ug/L	99

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

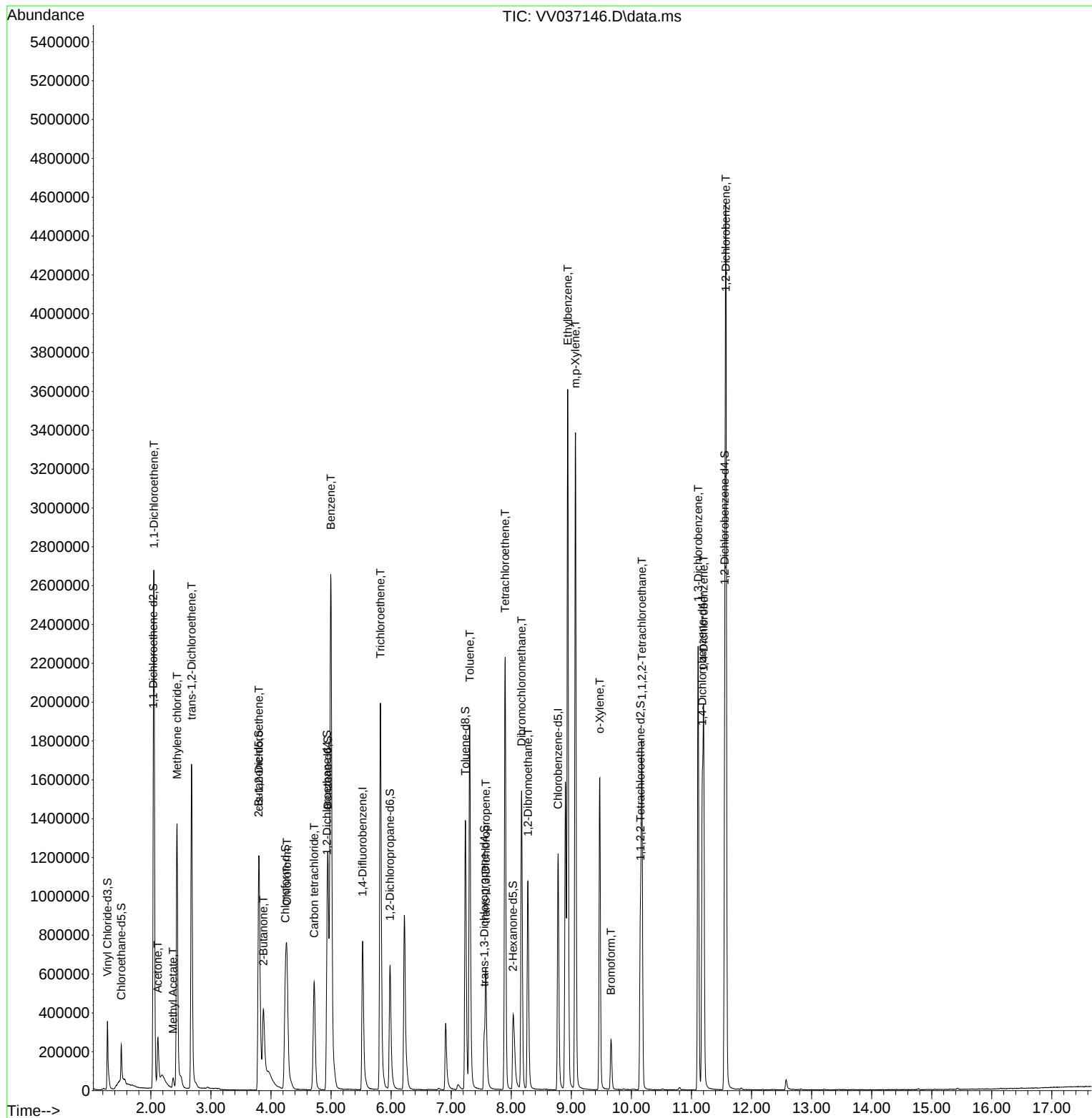
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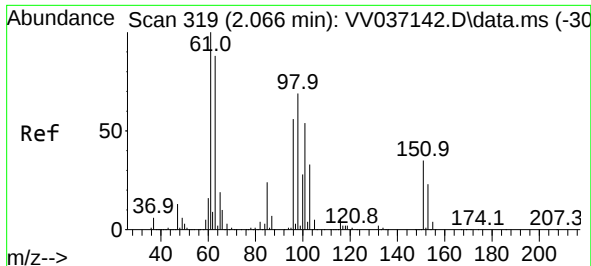
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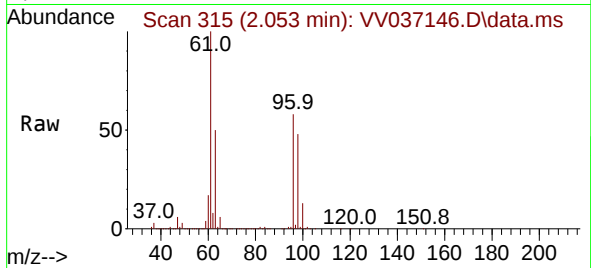
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
Quant Title : VOC Analysis
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#12
1,1-Dichloroethene
Concen: 145.841 ug/L m
RT: 2.053 min Scan# 319
Delta R.T. -0.013 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

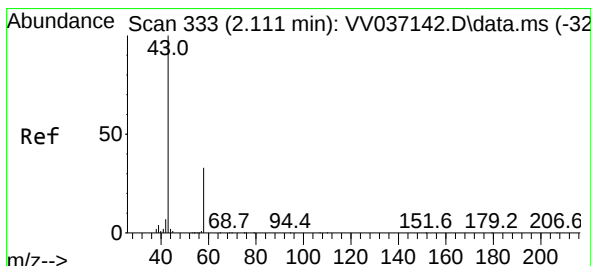
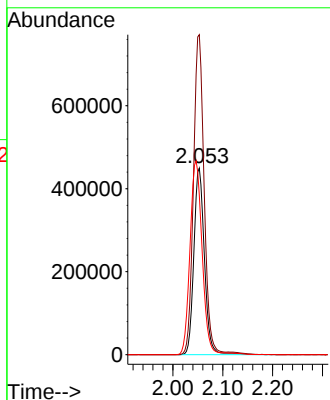
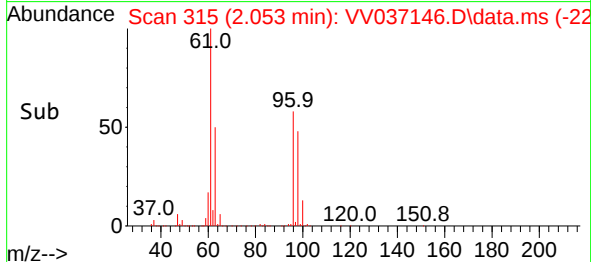
Instrument :
MSVOA_V
ClientSampleId :
A44B8



Tgt Ion: 96 Resp: 665879
Ion Ratio Lower Upper
96 100
61 171.5 123.8 229.8
63 85.4 96.5 179.1

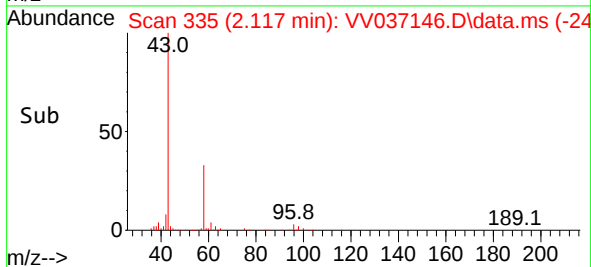
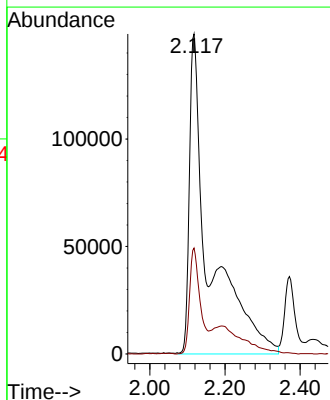
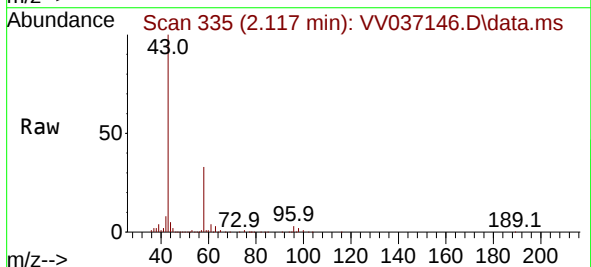
Manual Integrations
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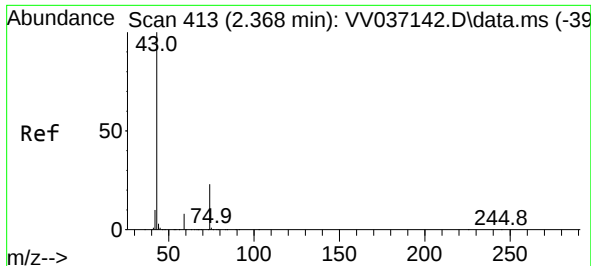
Reviewed By :John Carlone 08/30/2024
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#13
Acetone
Concen: 203.607 ug/L m
RT: 2.117 min Scan# 335
Delta R.T. 0.006 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

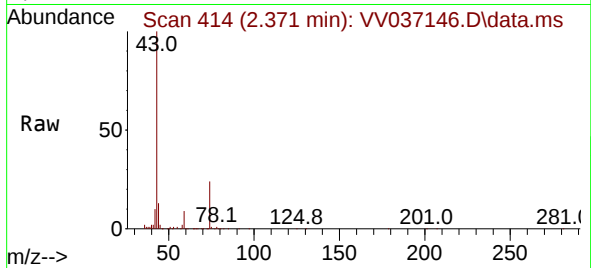
Tgt Ion: 43 Resp: 541341
Ion Ratio Lower Upper
43 100
58 17.9 0.0 64.8





#15
Methyl Acetate
Concen: 12.488 ug/L
RT: 2.371 min Scan# 413
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

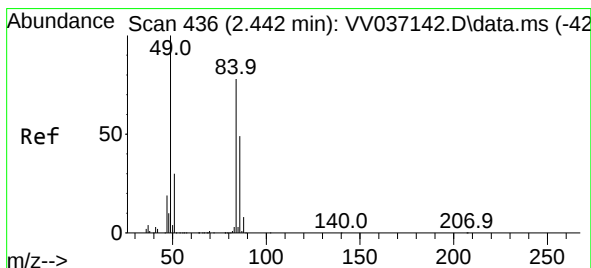
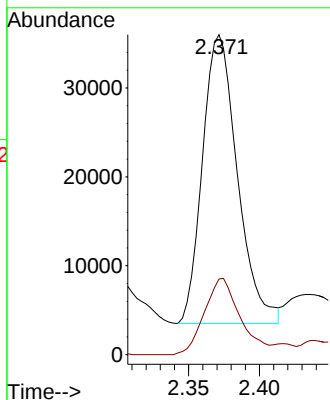
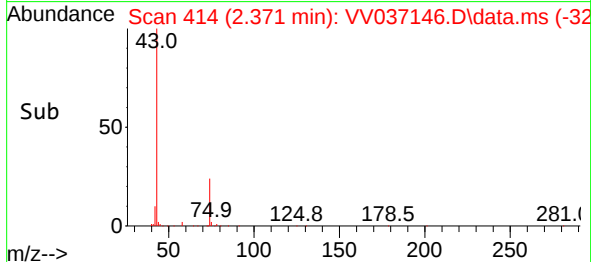
Instrument :
MSVOA_V
ClientSampleId :
A44B8



Tgt Ion: 43 Resp: 5566
Ion Ratio Lower Upper
43 100
74 27.1 18.4 27.6

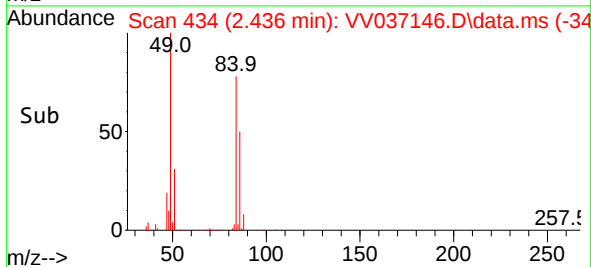
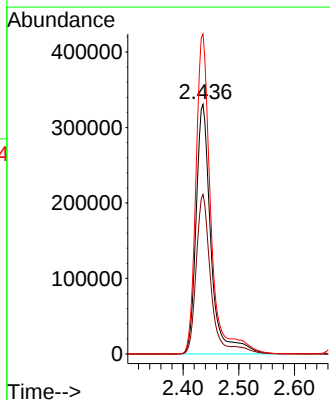
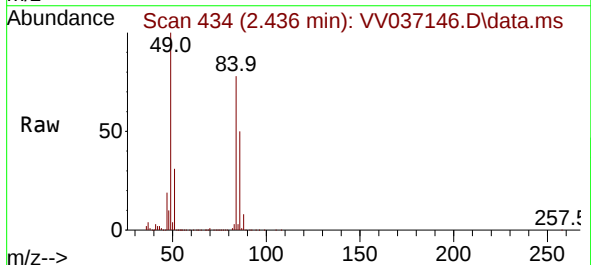
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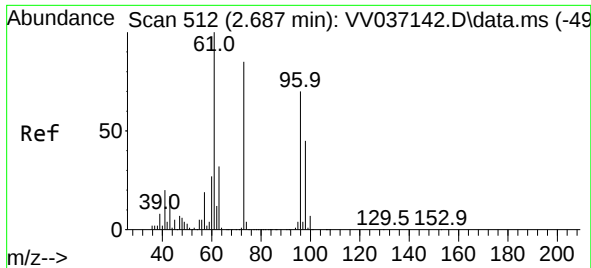
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024



#16
Methylene chloride
Concen: 119.501 ug/L
RT: 2.436 min Scan# 434
Delta R.T. -0.007 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

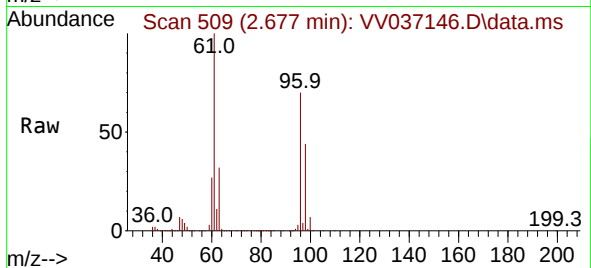
Tgt Ion: 84 Resp: 615594
Ion Ratio Lower Upper
84 100
86 63.9 44.7 82.9
49 128.2 91.4 169.8





#17
trans-1,2-Dichloroethene
Concen: 126.727 ug/L
RT: 2.677 min Scan# 509
Delta R.T. -0.010 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

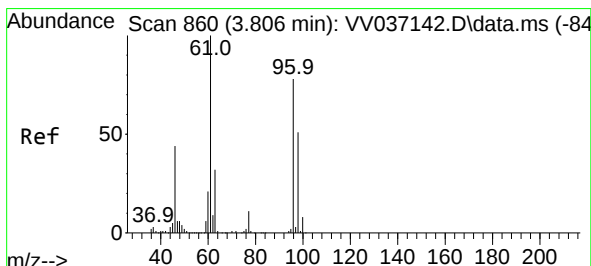
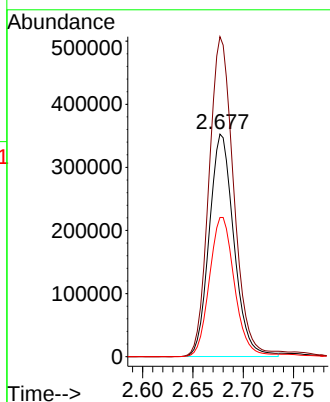
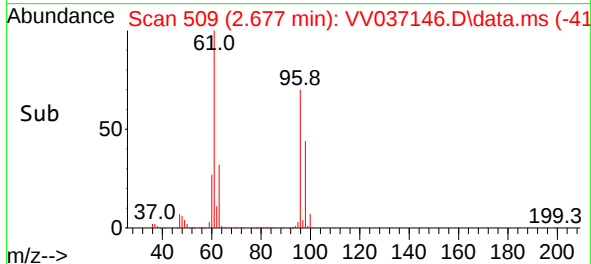
Instrument :
MSVOA_V
ClientSampleId :
A44B8



Tgt Ion: 96 Resp: 60066
Ion Ratio Lower Upper
96 100
61 143.7 102.3 189.9
98 62.5 44.8 83.2

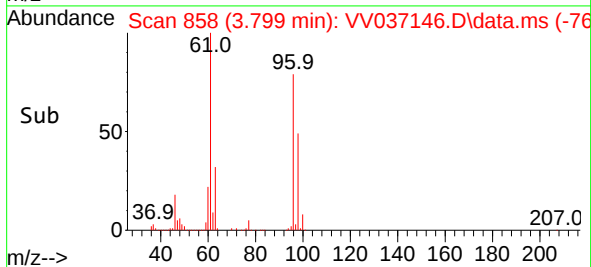
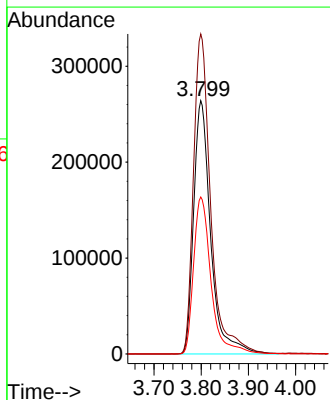
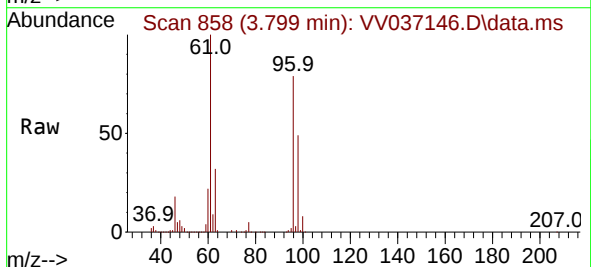
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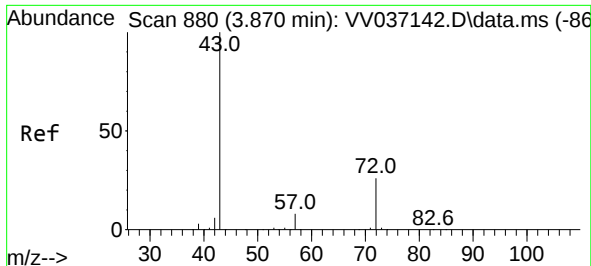
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024



#20
cis-1,2-Dichloroethene
Concen: 126.328 ug/L
RT: 3.799 min Scan# 858
Delta R.T. -0.007 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

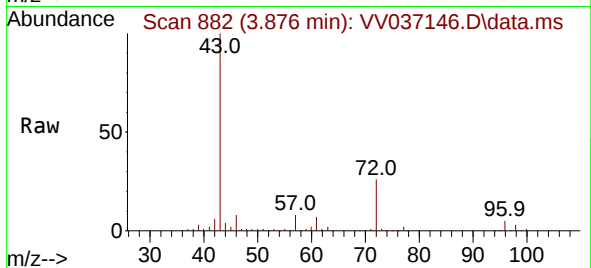
Tgt Ion: 96 Resp: 661645
Ion Ratio Lower Upper
96 100
61 126.3 89.9 166.9
98 62.0 44.8 83.2





#22
2-Butanone
Concen: 316.288 ug/L m
RT: 3.876 min Scan# 880
Delta R.T. 0.006 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

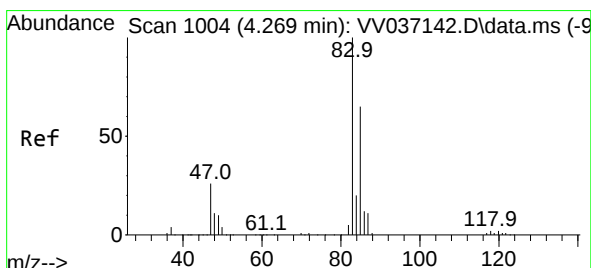
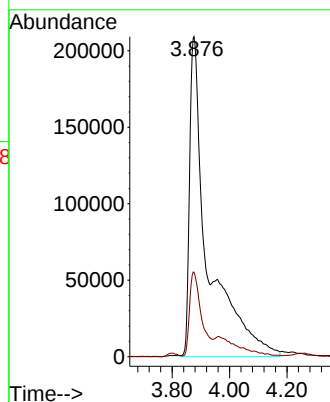
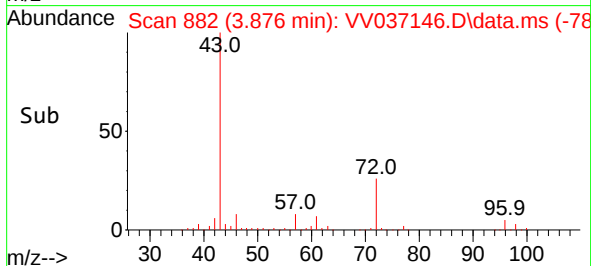
Instrument :
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Tgt Ion: 43 Resp: 92588
Ion Ratio Lower Upper
43 100
72 17.0 12.7 38.0

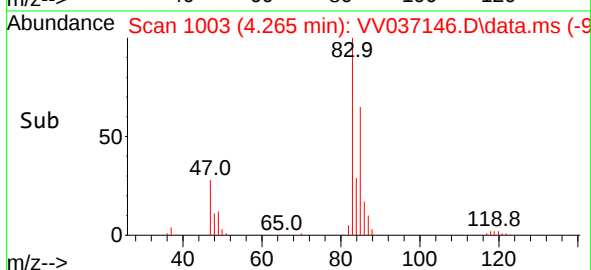
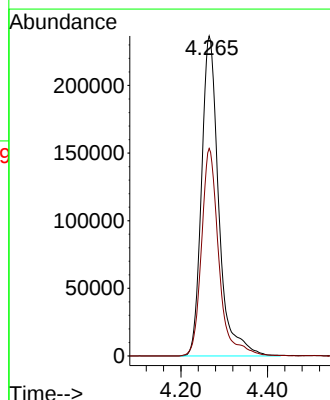
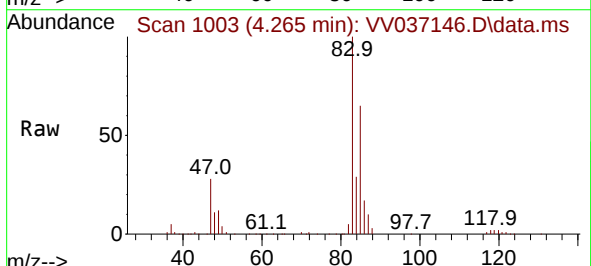
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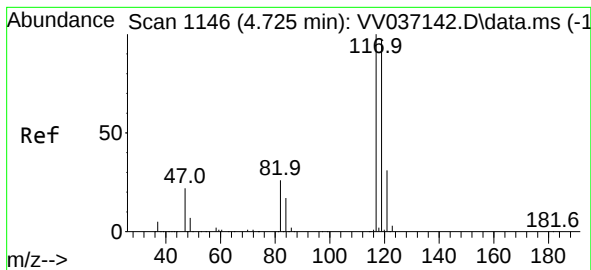
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024



#25
Chloroform
Concen: 68.667 ug/L
RT: 4.265 min Scan# 1003
Delta R.T. -0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

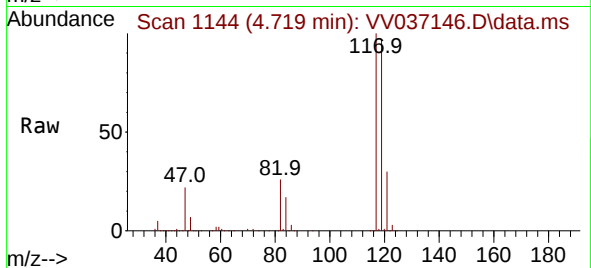
Tgt Ion: 83 Resp: 654596
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.7





#31
Carbon tetrachloride
Concen: 64.710 ug/L
RT: 4.719 min Scan# 1146
Delta R.T. -0.007 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

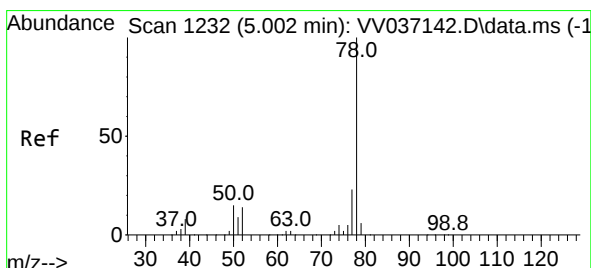
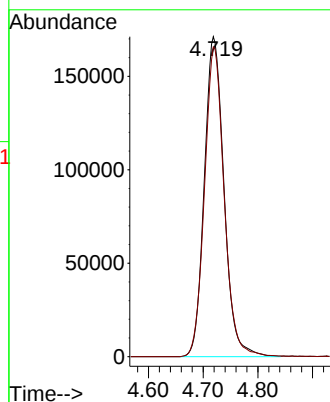
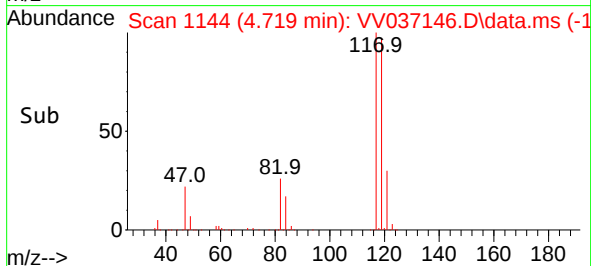
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Tgt Ion:117 Resp: 427638
Ion Ratio Lower Upper
117 100
119 96.8 75.8 113.6

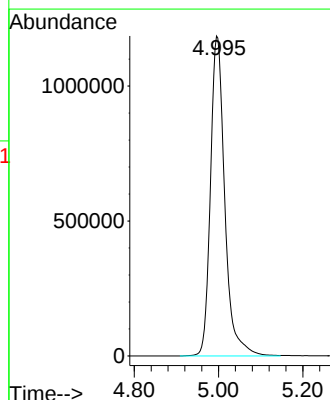
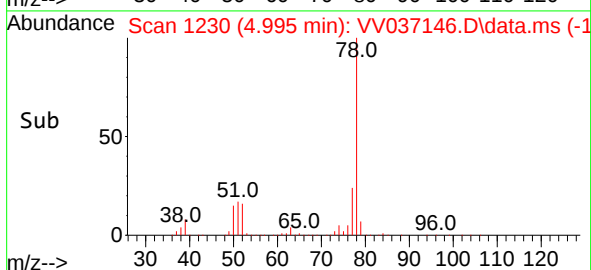
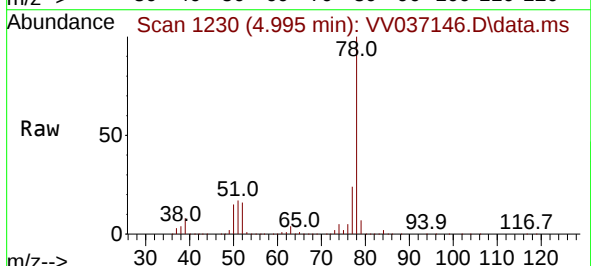
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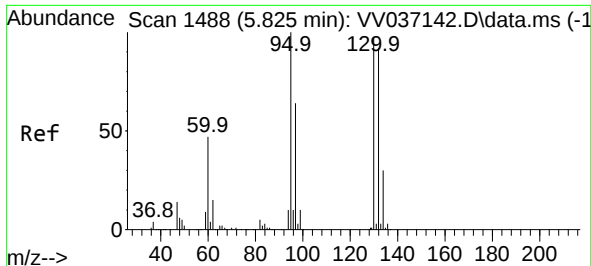
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024



#33
Benzene
Concen: 142.387 ug/L
RT: 4.995 min Scan# 1230
Delta R.T. -0.007 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

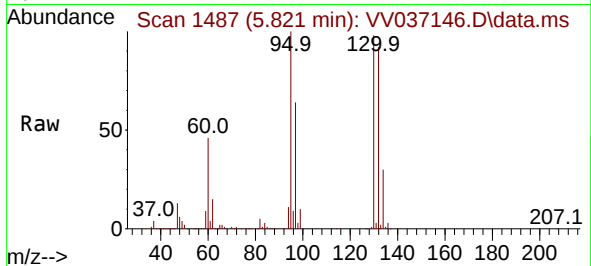
Tgt Ion: 78 Resp: 2796918





#34
Trichloroethene
Concen: 142.675 ug/L
RT: 5.821 min Scan# 1488
Delta R.T. -0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

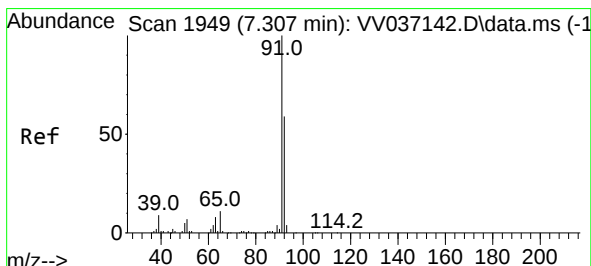
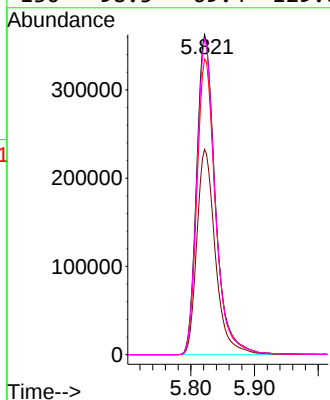
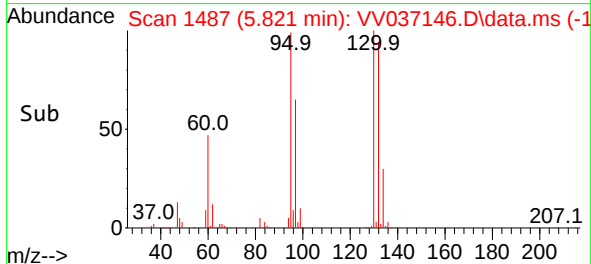
Instrument :
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Tgt Ion: 95 Resp: 73972
Ion Ratio Lower Upper
95 100
97 64.2 44.4 82.5
132 92.4 64.9 120.5
130 98.5 69.4 129.0

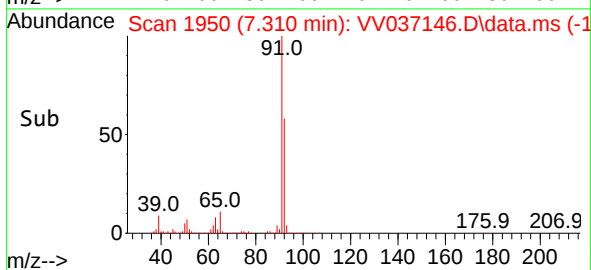
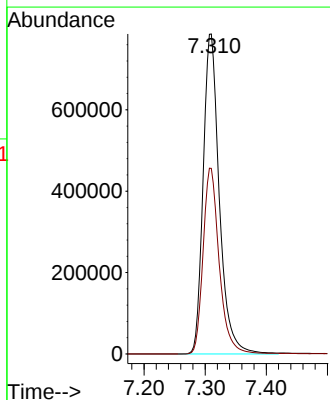
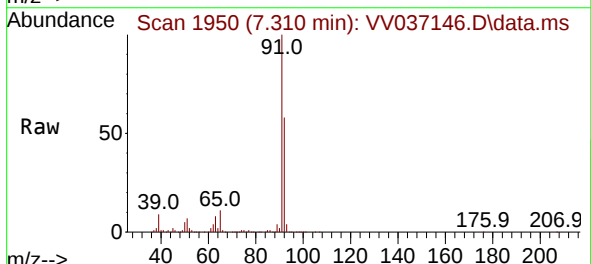
Manual Integrations
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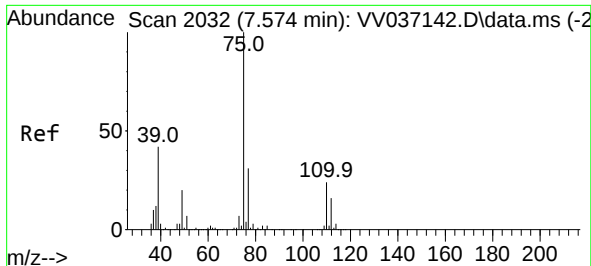
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024



#42
Toluene
Concen: 70.698 ug/L
RT: 7.310 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion: 91 Resp: 1445917
Ion Ratio Lower Upper
91 100
92 58.0 40.8 75.8





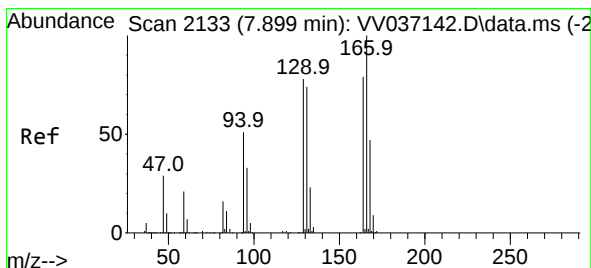
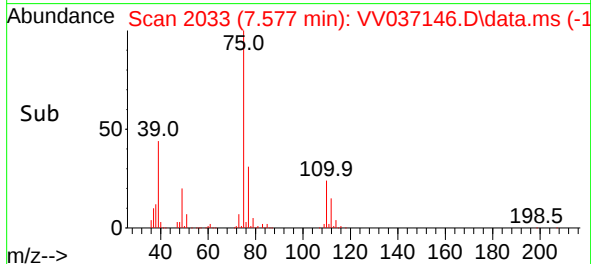
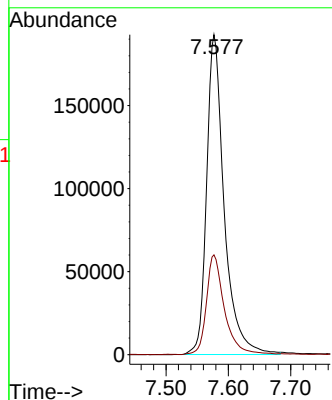
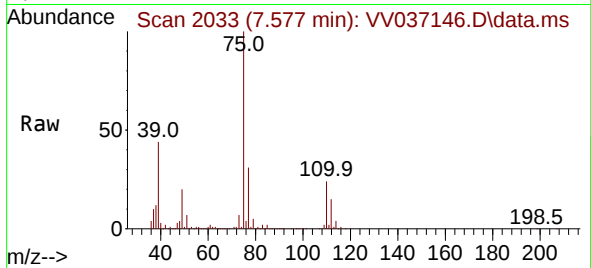
#44
trans-1,3-Dichloropropene
Concen: 50.783 ug/L
RT: 7.577 min Scan# 2032
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Instrument :
MSVOA_V
ClientSampleId :
A44B8

Tgt Ion: 75 Resp: 37722
Ion Ratio Lower Upper
75 100
77 31.2 22.0 40.8

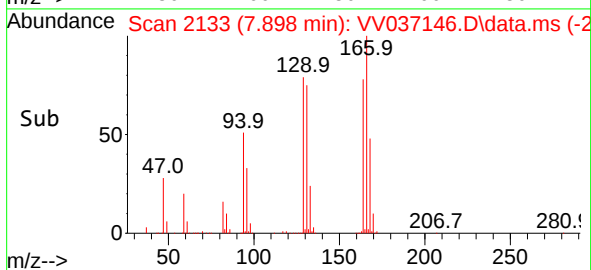
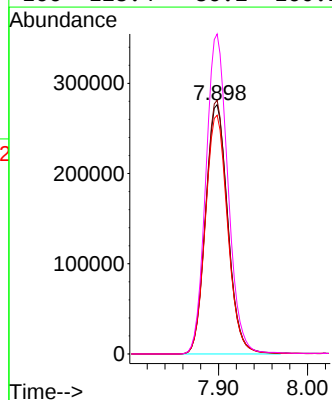
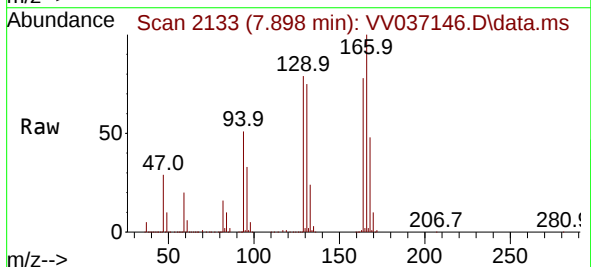
Manual Integrations
APPROVED

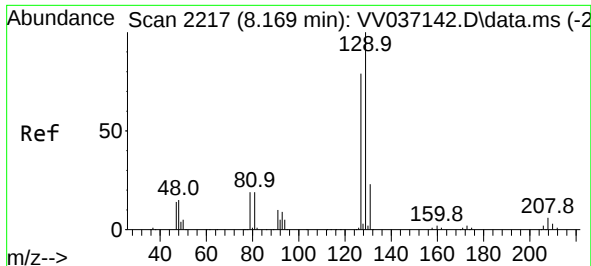
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024



#46
Tetrachloroethene
Concen: 128.771 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

Tgt Ion:164 Resp: 479028
Ion Ratio Lower Upper
164 100
129 101.8 67.1 124.7
131 95.8 67.0 124.4
166 128.4 86.2 160.2





#49

Dibromochloromethane

Concen: 165.645 ug/L

RT: 8.172 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV037146.D

Acq: 29 Aug 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

A44B8

Tgt Ion:129 Resp: 81309

Ion Ratio Lower Upper

129 100

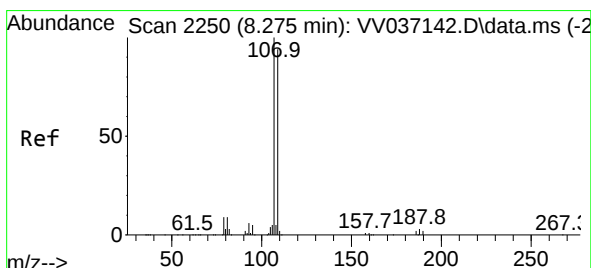
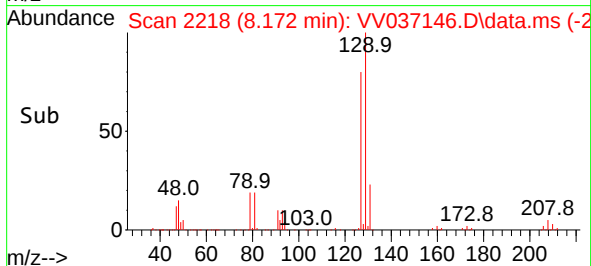
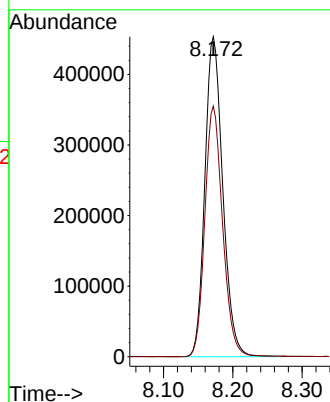
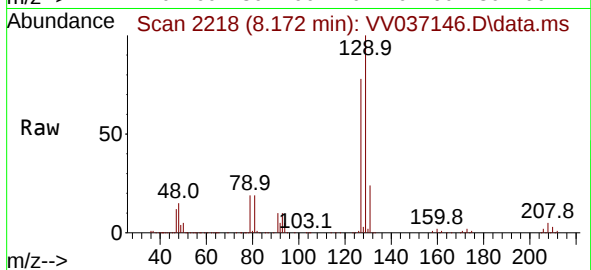
127 78.3 54.7 101.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/30/2024

Supervised By :Semsettin Yesilyurt 08/30/2024



#50

1,2-Dibromoethane

Concen: 152.818 ug/L

RT: 8.278 min Scan# 2251

Delta R.T. 0.003 min

Lab File: VV037146.D

Acq: 29 Aug 2024 11:07

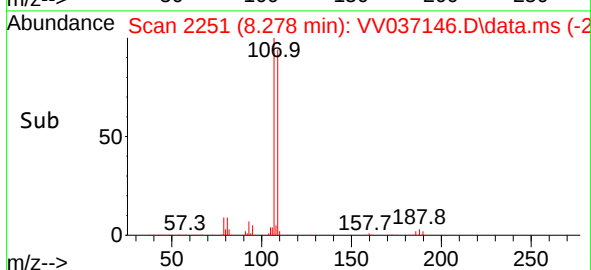
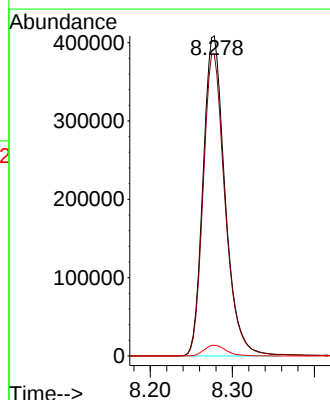
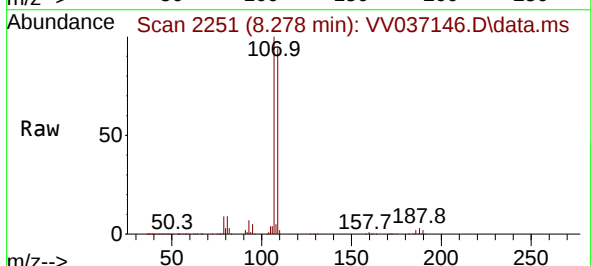
Tgt Ion:107 Resp: 758068

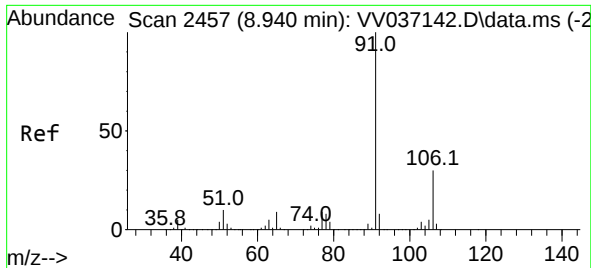
Ion Ratio Lower Upper

107 100

109 94.4 66.6 123.6

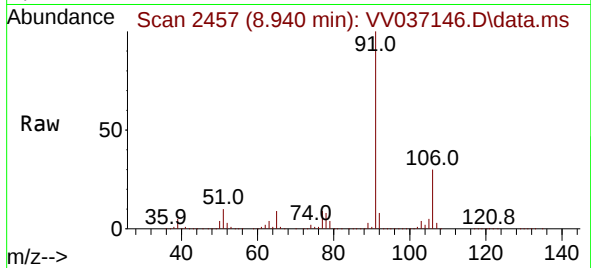
188 3.4 2.6 3.8





#52
Ethylbenzene
Concen: 108.021 ug/L
RT: 8.940 min Scan# 2457
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

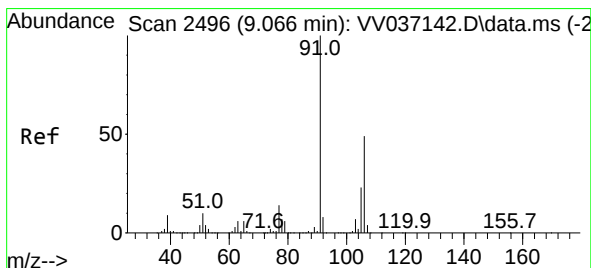
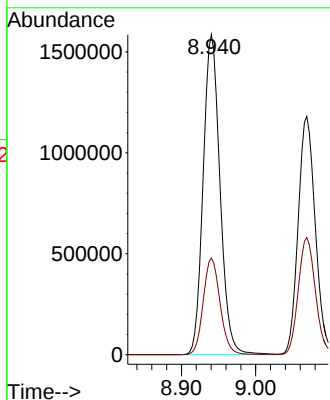
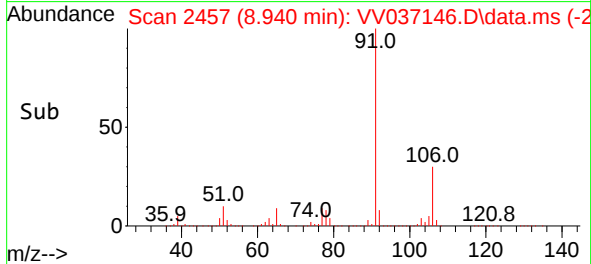
Instrument :
MSVOA_V
ClientSampleId :
A44B8



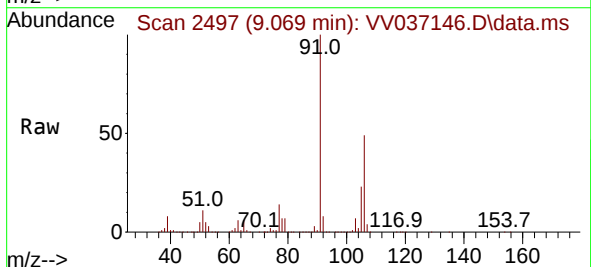
Tgt Ion: 91 Resp: 249544
Ion Ratio Lower Upper
91 100
106 30.2 21.4 39.8

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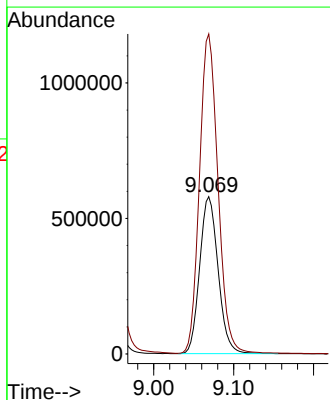
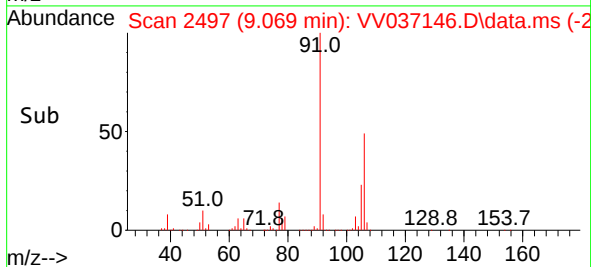
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024

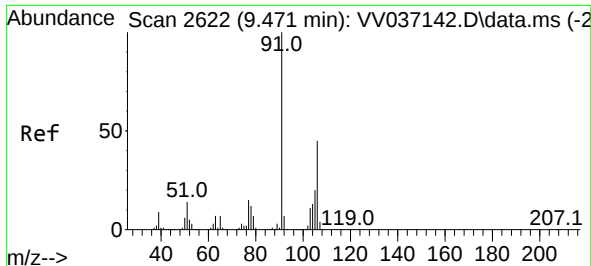


#53
m,p-Xylene
Concen: 108.622 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07



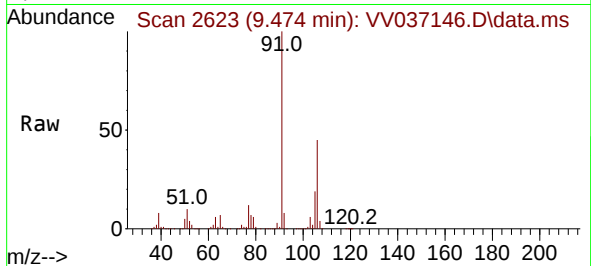
Tgt Ion:106 Resp: 929732
Ion Ratio Lower Upper
106 100
91 203.4 143.0 265.6





#54
o-Xylene
Concen: 49.975 ug/L
RT: 9.474 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

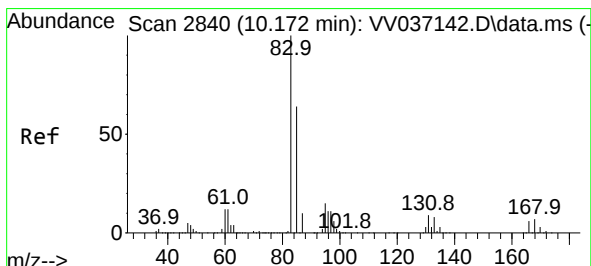
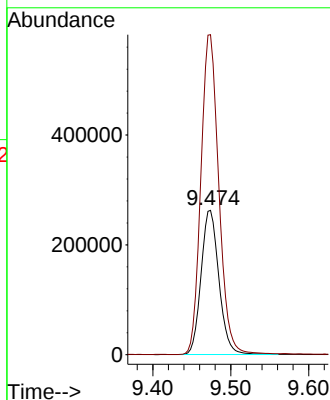
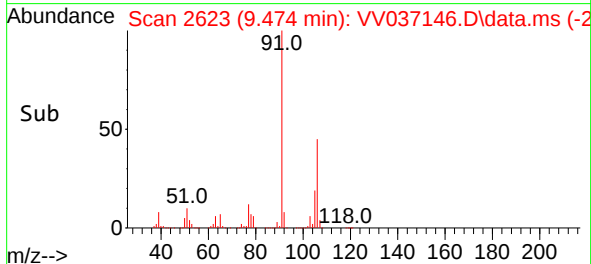
Instrument :
MSVOA_V
ClientSampleId :
A44B8



Tgt Ion:106 Resp: 41882
Ion Ratio Lower Upper
106 100
91 221.7 153.2 284.6

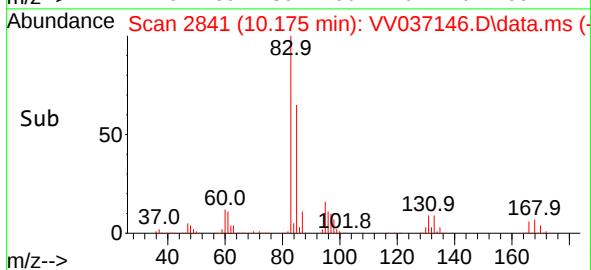
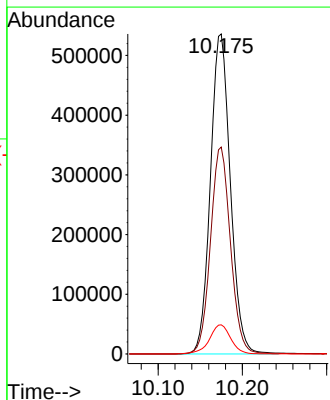
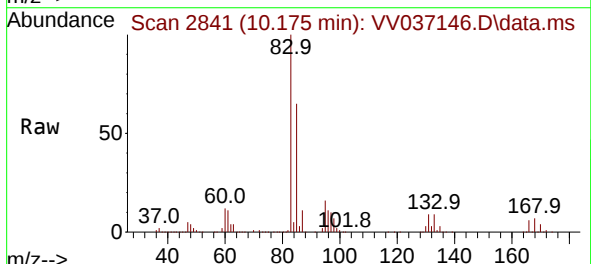
Manual Integrations
APPROVED

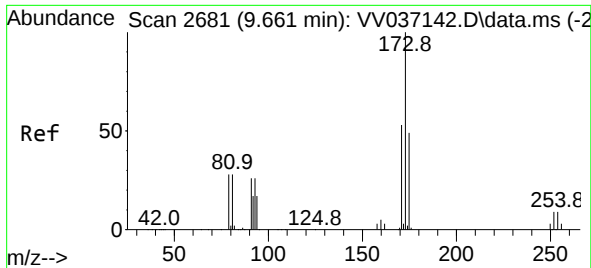
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 121.280 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

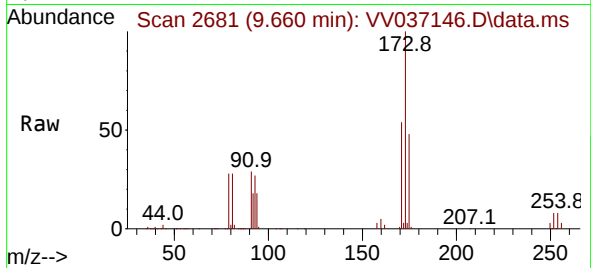
Tgt Ion: 83 Resp: 880539
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.7
131 9.1 7.4 11.0





#59
Bromoform
Concen: 35.205 ug/L
RT: 9.660 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07

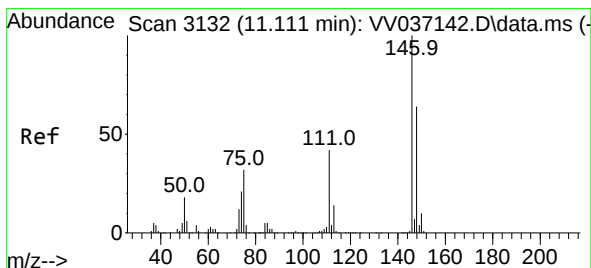
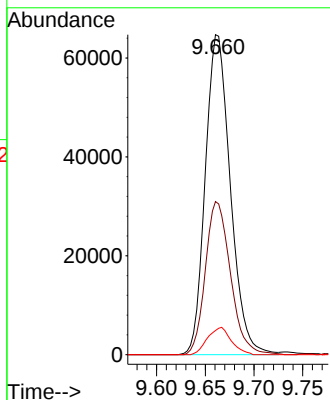
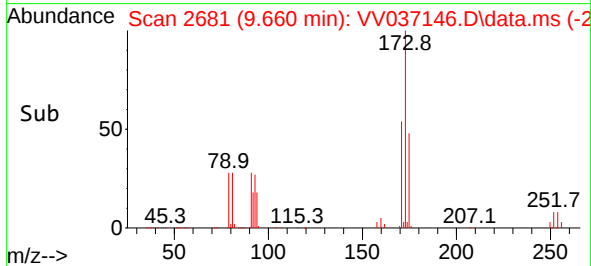
Instrument :
MSVOA_V
ClientSampleId :
A44B8



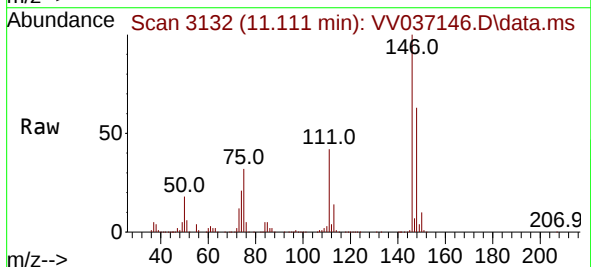
Tgt Ion:173 Resp: 115839
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
254 8.1 6.8 10.2

Manual Integrations
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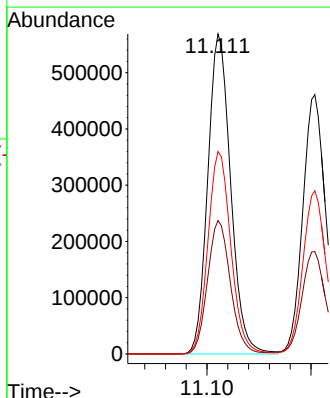
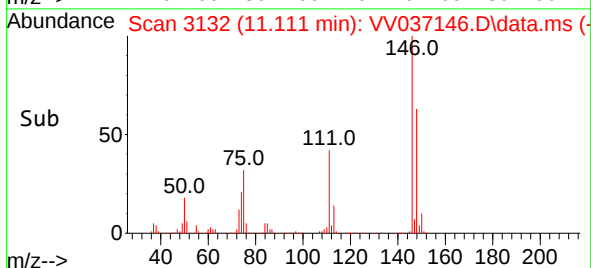
Reviewed By :John Carlone 08/30/2024
Supervised By :Semsettin Yesilyurt 08/30/2024

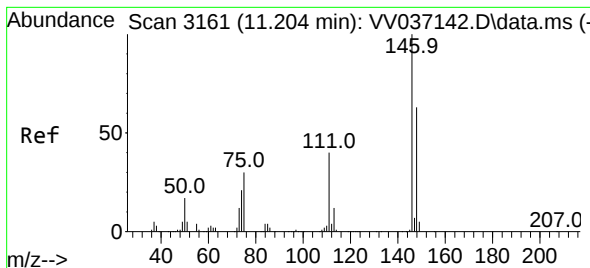


#64
1,3-Dichlorobenzene
Concen: 82.250 ug/L
RT: 11.111 min Scan# 3132
Delta R.T. -0.000 min
Lab File: VV037146.D
Acq: 29 Aug 2024 11:07



Tgt Ion:146 Resp: 870051
Ion Ratio Lower Upper
146 100
111 41.7 29.7 55.1
148 63.2 44.8 83.2





#65

1,4-Dichlorobenzene

Concen: 66.657 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV037146.D

Acq: 29 Aug 2024 11:07

Instrument :

MSVOA_V

ClientSampleId :

A44B8

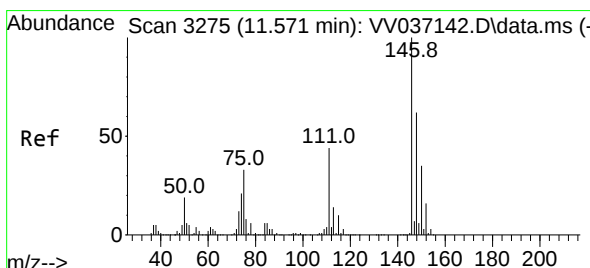
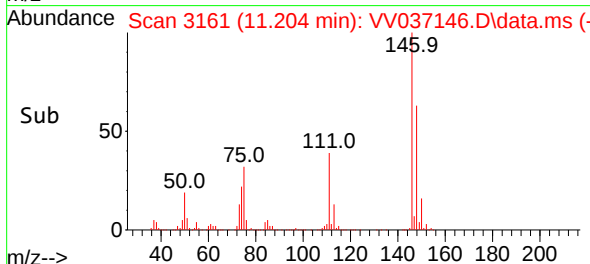
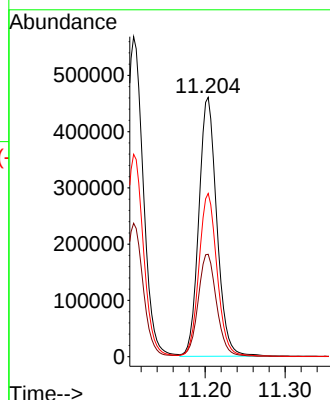
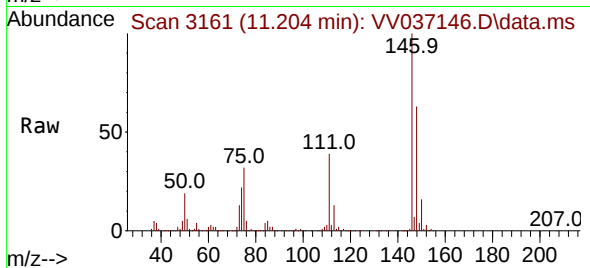
Tgt Ion:146	Resp: 721670
Ion Ratio	Lower Upper
146	100
111	39.5 28.1 52.1
148	62.9 44.2 82.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/30/2024

Supervised By :Semsettin Yesilyurt 08/30/2024



#67

1,2-Dichlorobenzene

Concen: 153.563 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV037146.D

Acq: 29 Aug 2024 11:07

Tgt Ion:146	Resp: 1597228
Ion Ratio	Lower Upper
146	100
111	43.0 34.6 51.8
148	63.3 50.2 75.4

