

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012925\
 Data File : VW031637.D
 Acq On : 29 Jan 2025 13:30
 Operator : SY/MD
 Sample : Q1190-18DL 4X
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A44X1DL

Quant Time: Jan 30 07:31:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM011025SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jan 30 07:28:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	563218	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	492295	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	246051	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	142623	16.138	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	64.560%		
7) Chloroethane-d5	2.893	69	115362	18.278	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	73.120%		
11) 1,1-Dichloroethene-d2	4.021	65	72243	18.372	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	73.480%		
21) 2-Butanone-d5	7.081	46	94022	66.180	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	132.360%		
24) Chloroform-d	7.648	84	352652	24.194	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	96.760%		
26) 1,2-Dichloroethane-d4	8.301	65	189325	26.389	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	105.560%		
32) Benzene-d6	8.270	84	698251	22.580	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	90.320%		
36) 1,2-Dichloropropane-d6	9.270	67	217967	23.873	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.480%		
41) Toluene-d8	10.318	98	651867	23.352	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	93.400%		
43) trans-1,3-Dichloroprop...	10.575	79	88808	23.686	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	94.760%		
47) 2-Hexanone-d5	10.922	63	64130	68.828	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	137.660%#		
56) 1,1,2,2-Tetrachloroeth...	12.684	84	171254	30.672	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	122.680%#		
66) 1,2-Dichlorobenzene-d4	13.848	152	203985	23.637	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	94.560%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.039	96	71479m	9.537	ug/L	
13) Acetone	4.149	43	29233m	26.736	ug/L	
16) Methylene chloride	4.923	84	145093	18.916	ug/L	100
17) trans-1,2-Dichloroethene	5.429	96	55887	6.943	ug/L	91
18) Methyl tert-butyl Ether	5.429	73	130341	10.098	ug/L	99
19) 1,1-Dichloroethane	6.216	63	305362	20.163	ug/L	99
22) 2-Butanone	7.173	43	121641	65.139	ug/L	98
25) Chloroform	7.673	83	304548	21.142	ug/L	96
31) Carbon tetrachloride	8.063	117	39760	3.509	ug/L	96
33) Benzene	8.319	78	495614	14.710	ug/L	100
34) Trichloroethene	9.087	95	187690	20.720	ug/L	96
37) 1,2-Dichloropropane	9.367	63	73136	8.636	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	186511	14.001	ug/L	98
40) 4-Methyl-2-pentanone	10.203	43	162590	38.465	ug/L	99
44) trans-1,3-Dichloropropene	10.599	75	174339	16.373	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	67042	12.351	ug/L	97
50) 1,2-Dibromoethane	11.233	107	59504	11.828	ug/L	98
53) m,p-Xylene	11.830	106	164771	10.694	ug/L	100
54) o-Xylene	12.160	106	205330	14.339	ug/L	95

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 Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	12.708	83	79897	13.396	ug/L	100
59) Bromoform	12.349	173	13460	4.105	ug/L #	97
61) 1,2,3-Trichloropropane	12.763	75	93856	20.313	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	149480	8.768	ug/L	95
65) 1,4-Dichlorobenzene	13.568	146	146808	8.707	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.476	75	5990	5.799	ug/L	95
70) 1,2,4-trichlorobenzene	15.122	180	47583	5.171	ug/L	95

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

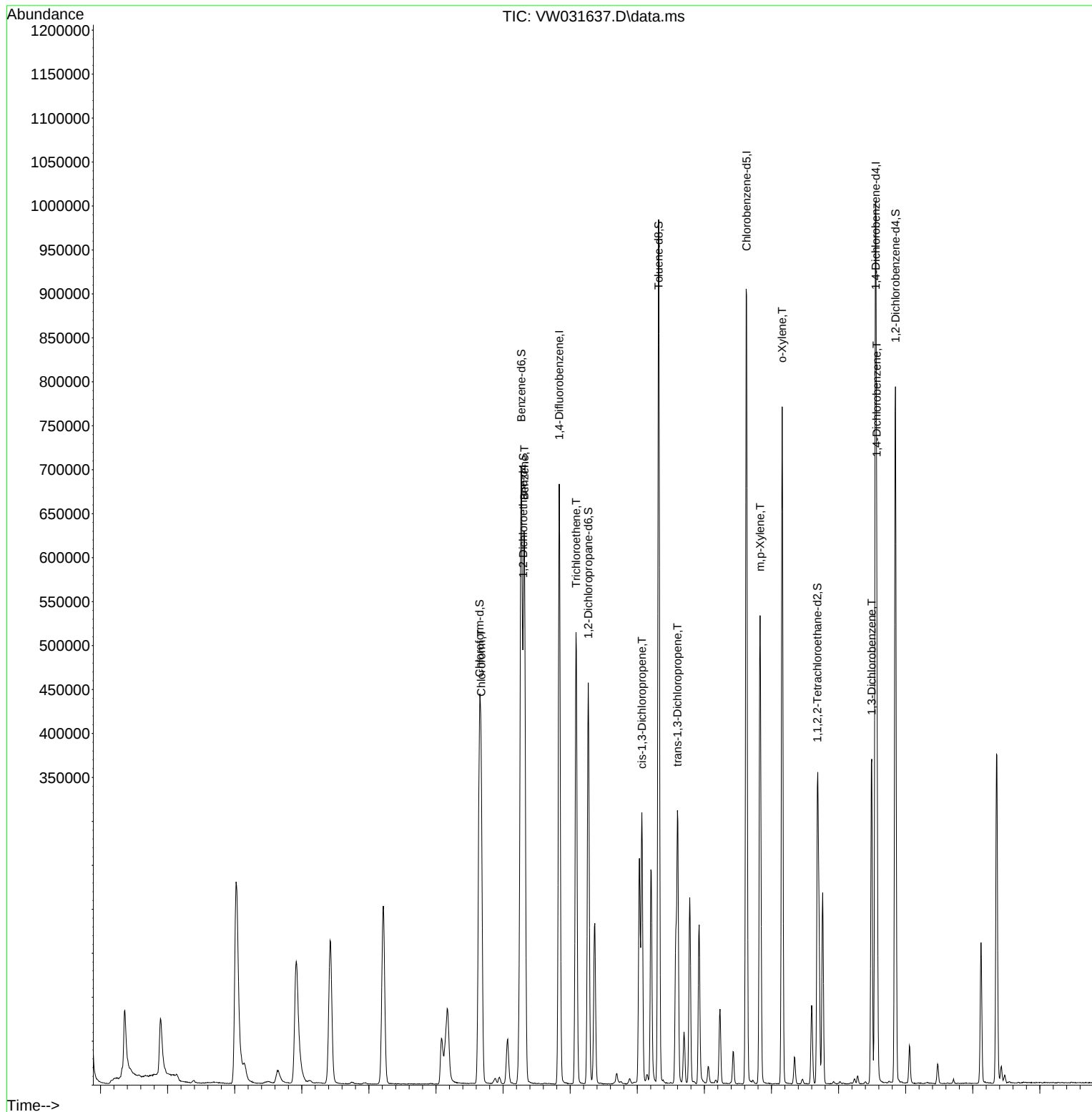
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012925\
Data File : VW031637.D
Acq On : 29 Jan 2025 13:30
Operator : SY/MD
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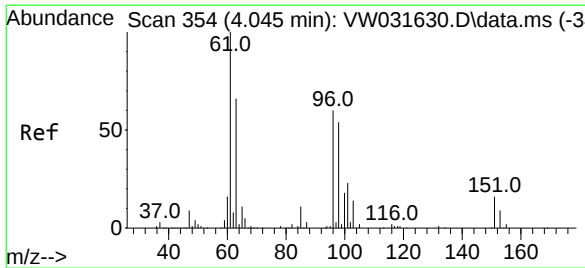
Instrument :
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Quant Title : SFAM01.0
QLast Update : Thu Jan 30 07:28:52 2025
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#12

1,1-Dichloroethene

Concen: 9.537 ug/L m

RT: 4.039 min Scan# 35

Delta R.T. -0.006 min

Lab File: VW031637.D

Acq: 29 Jan 2025 13:30

Instrument :

MSVOA_W

ClientSampleId :

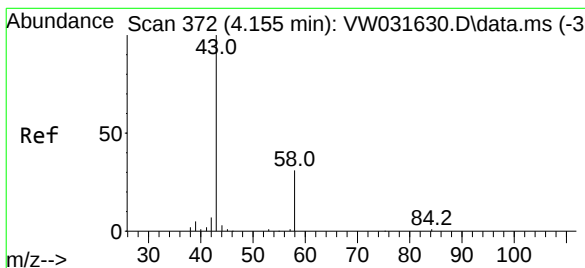
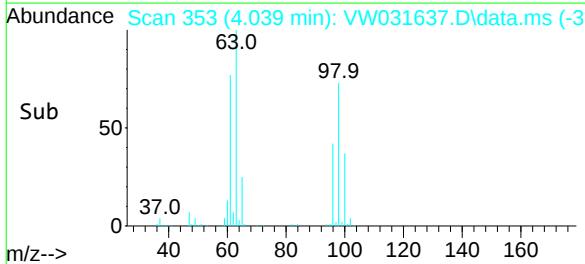
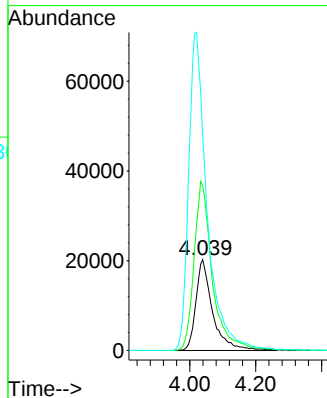
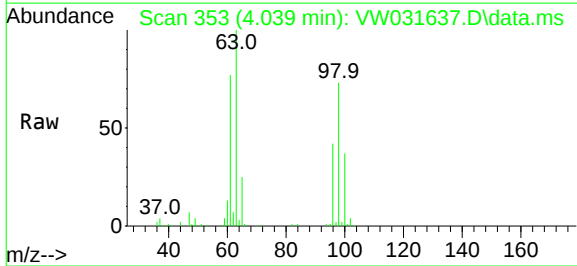
A44X1DL

Tgt Ion:	96	Resp:	71479
Ion	Ratio	Lower	Upper
96	100		
61	181.3	123.8	230.0
63	235.9	94.1	174.8

Manual Integrations

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#13

Acetone

Concen: 26.736 ug/L m

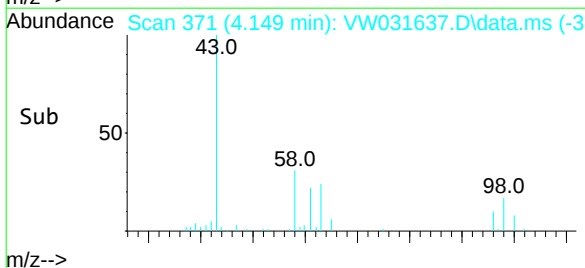
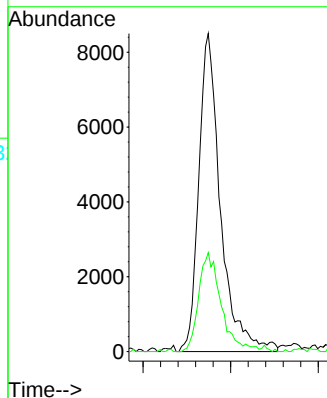
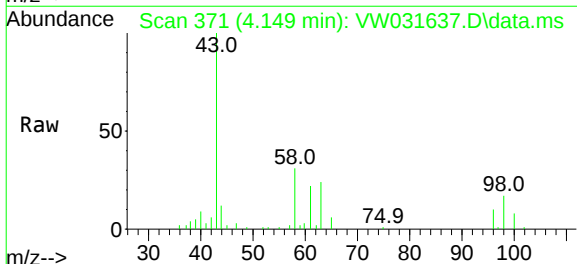
RT: 4.149 min Scan# 371

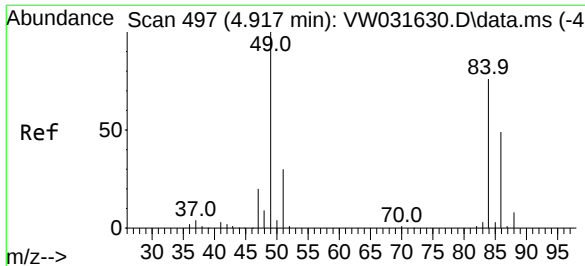
Delta R.T. -0.006 min

Lab File: VW031637.D

Acq: 29 Jan 2025 13:30

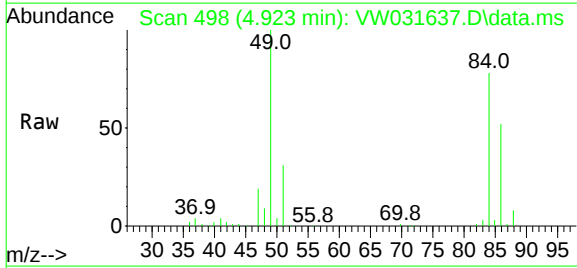
Tgt Ion:	43	Resp:	29233
Ion	Ratio	Lower	Upper
43	100		
58	0.1	0.0	28.2





#16
Methylene chloride
Concen: 18.916 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

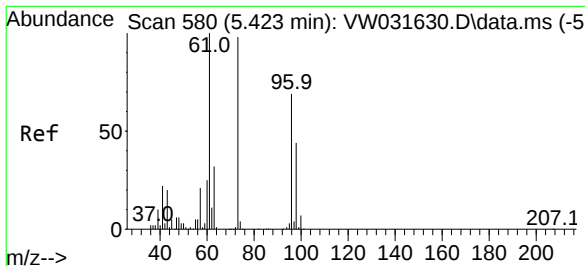
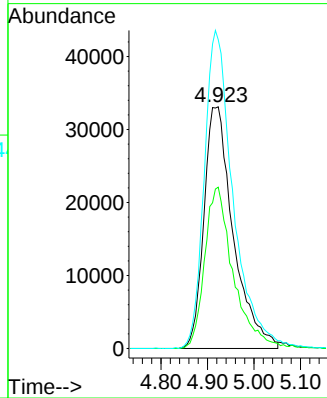
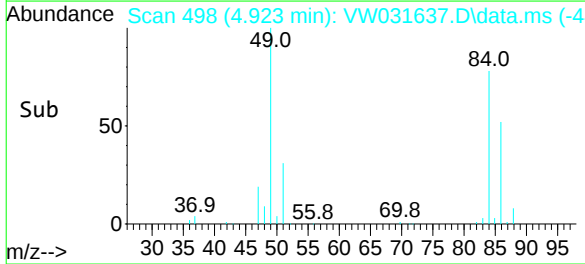
Instrument :
MSVOA_W
ClientSampleId :
A44X1DL



Tgt Ion: 84 Resp: 145093
Ion Ratio Lower Upper
84 100
86 66.7 47.0 87.2
49 127.8 89.8 166.8

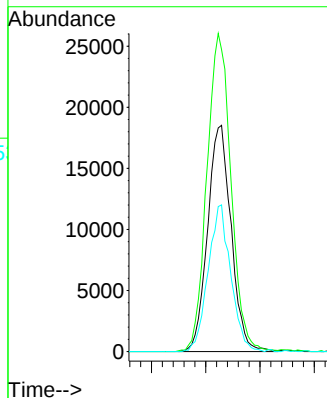
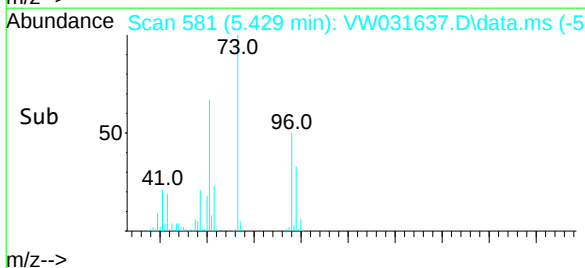
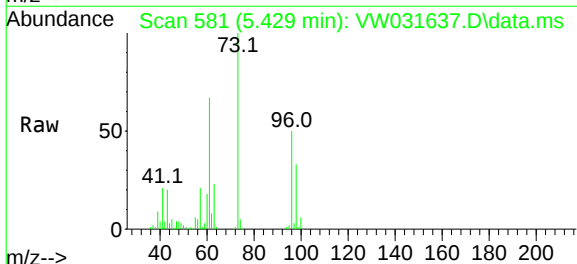
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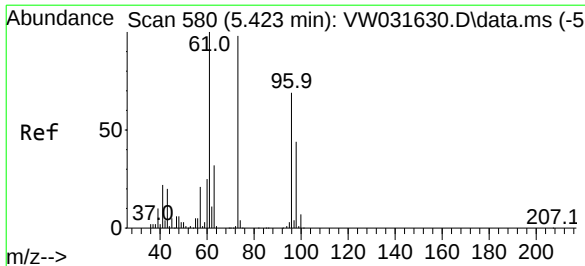
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#17
trans-1,2-Dichloroethene
Concen: 6.943 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

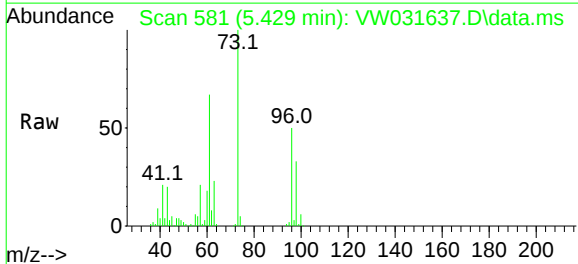
Tgt Ion: 96 Resp: 55887
Ion Ratio Lower Upper
96 100
61 133.5 105.1 195.1
98 64.8 44.9 83.3





#18
Methyl tert-butyl Ether
Concen: 10.098 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

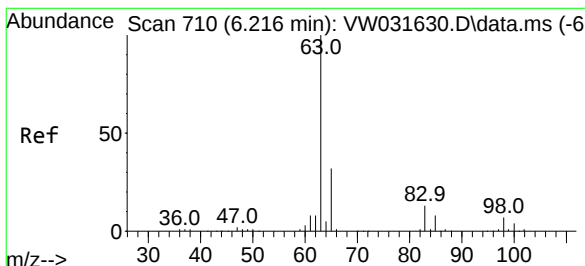
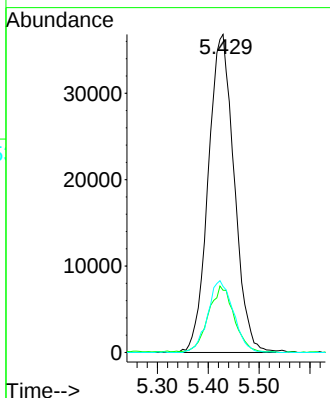
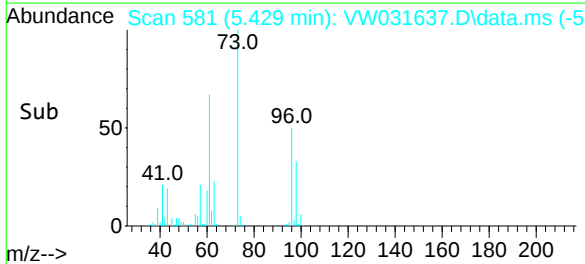
Instrument :
MSVOA_W
ClientSampleId :
A44X1DL



Tgt Ion: 73 Resp: 130341
Ion Ratio Lower Upper
73 100
43 20.6 16.4 24.6
57 22.4 18.2 27.2

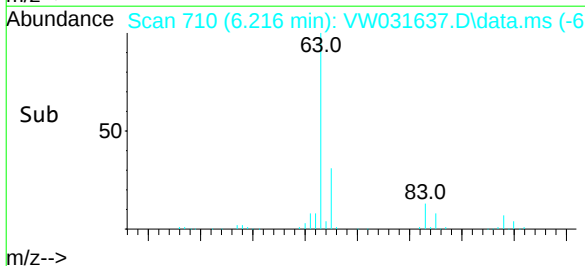
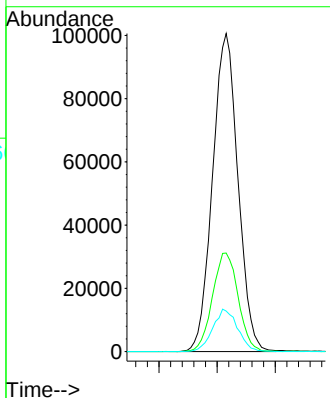
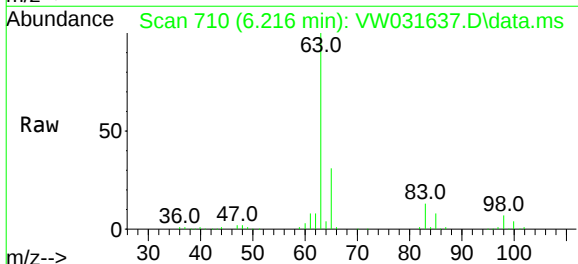
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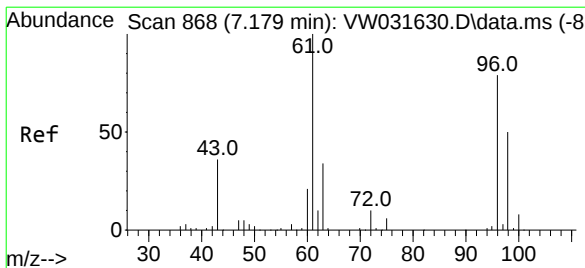
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#19
1,1-Dichloroethane
Concen: 20.163 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

Tgt Ion: 63 Resp: 305362
Ion Ratio Lower Upper
63 100
65 31.0 22.0 41.0
83 12.7 9.0 16.6





#22

2-Butanone

Concen: 65.139 ug/L

RT: 7.173 min Scan# 868

Delta R.T. -0.006 min

Lab File: VW031637.D

Acq: 29 Jan 2025 13:30

Instrument :

MSVOA_W

ClientSampleId :

A44X1DL

Tgt Ion: 43 Resp: 121641

Ion Ratio Lower Upper

43 100

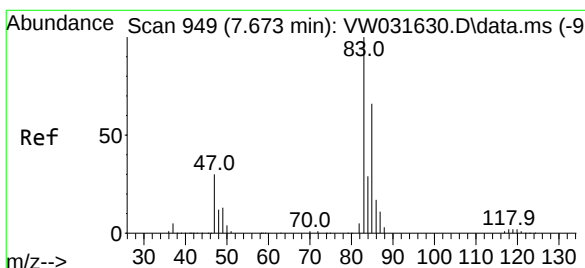
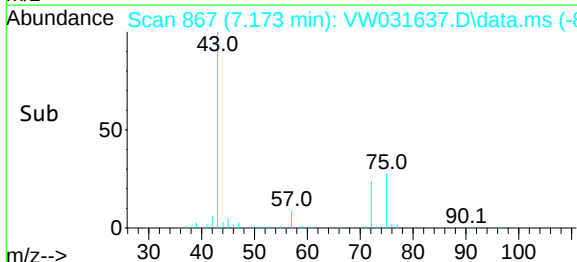
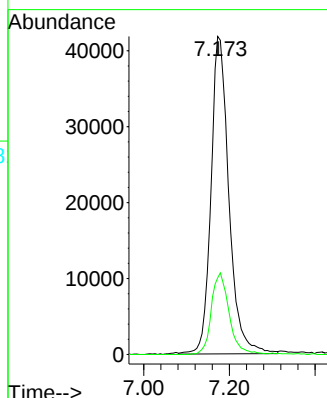
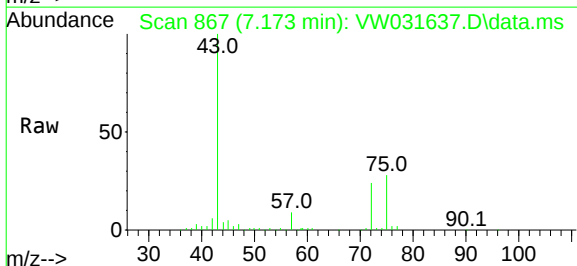
72 25.5 13.2 39.5

Manual Integrations

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Supervised By :Mahesh Dadoda 01/30/2025



#25

Chloroform

Concen: 21.142 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.000 min

Lab File: VW031637.D

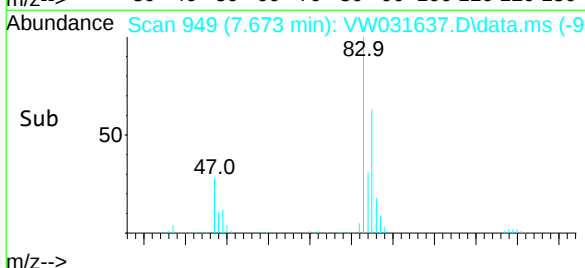
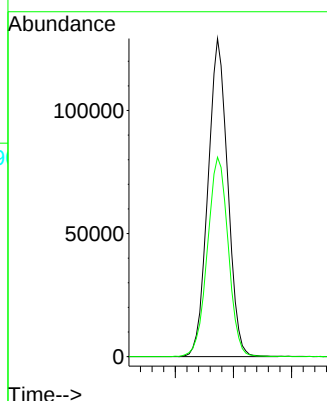
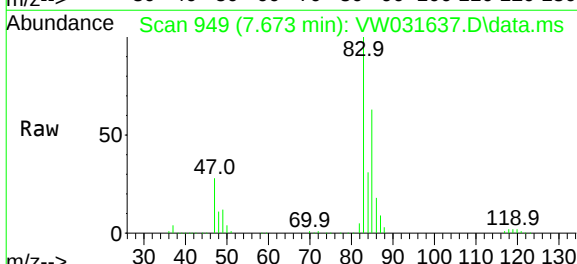
Acq: 29 Jan 2025 13:30

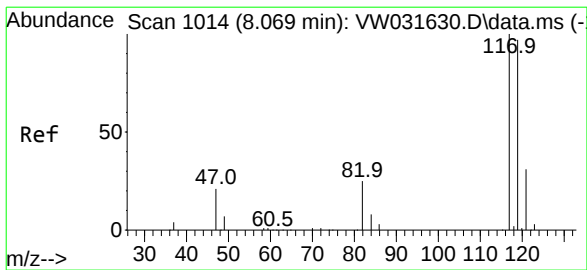
Tgt Ion: 83 Resp: 304548

Ion Ratio Lower Upper

83 100

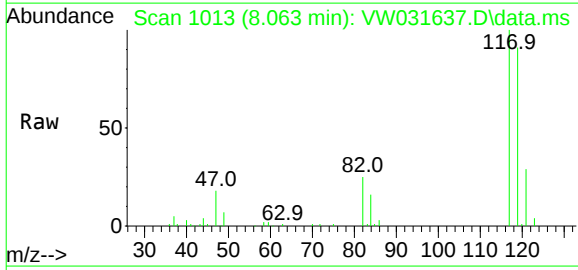
85 62.7 46.2 85.8





#31
Carbon tetrachloride
Concen: 3.509 ug/L
RT: 8.063 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW031637.D
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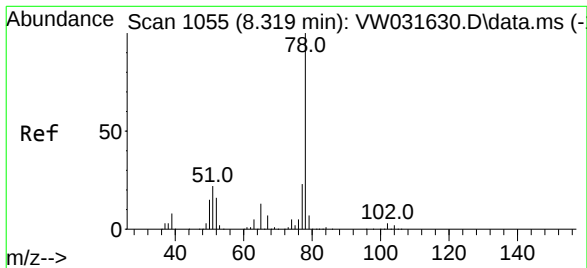
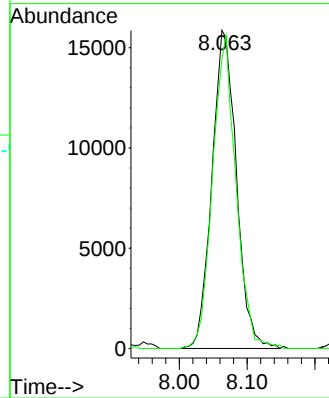
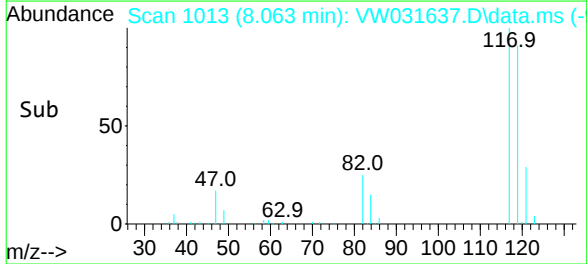
Instrument :
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Tgt Ion:117 Resp: 39760
Ion Ratio Lower Upper
117 100
119 92.8 77.4 116.0

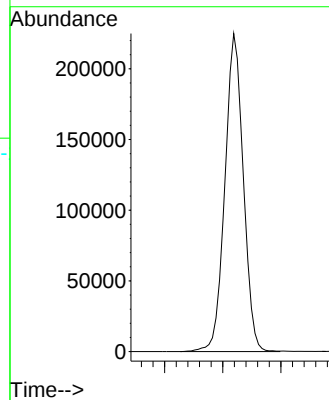
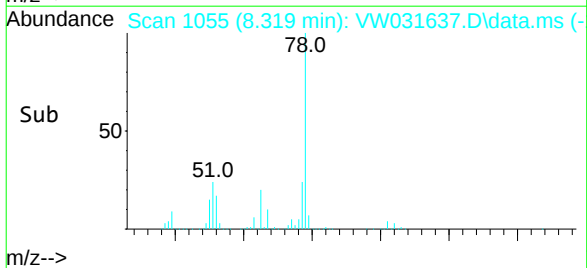
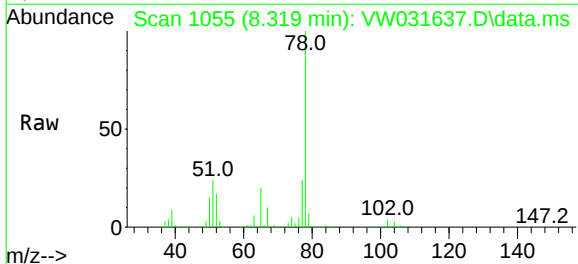
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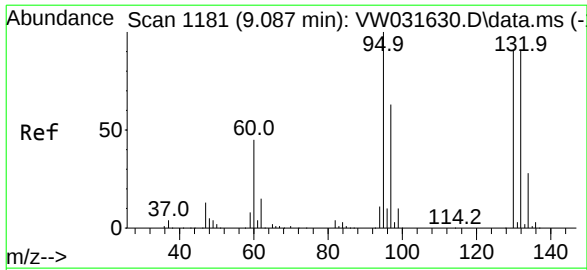
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#33
Benzene
Concen: 14.710 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

Tgt Ion: 78 Resp: 495614





#34

Trichloroethene

Concen: 20.720 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW031637.D

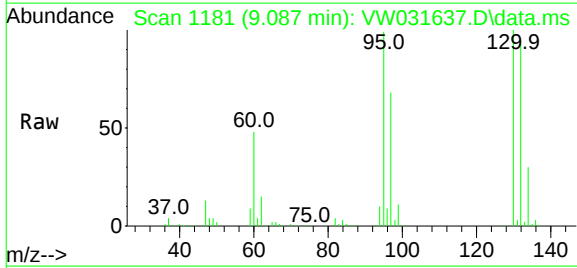
Acq: 29 Jan 2025 13:30

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Tgt Ion: 95 Resp: 187690

Ion Ratio Lower Upper

95 100

97 68.4 44.0 81.6

132 93.9 64.6 120.0

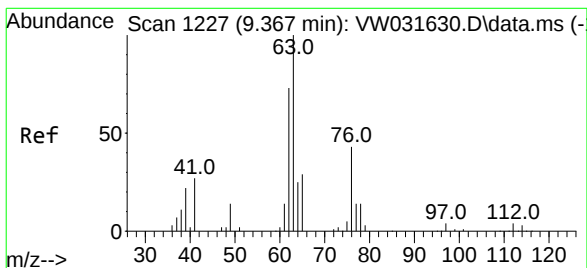
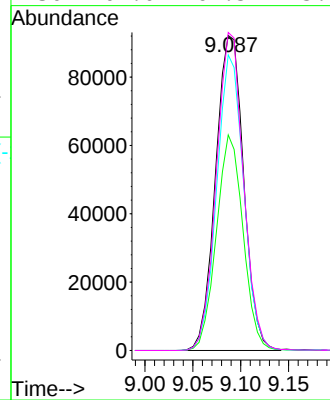
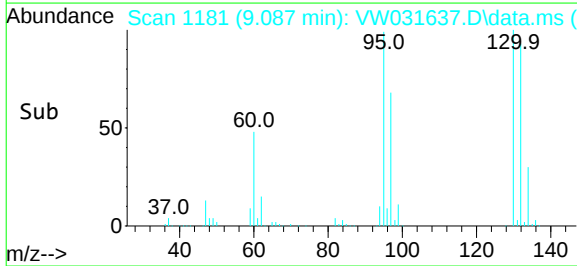
130 101.0 67.5 125.4

Manual Integrations

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#37

1,2-Dichloropropane

Concen: 8.636 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW031637.D

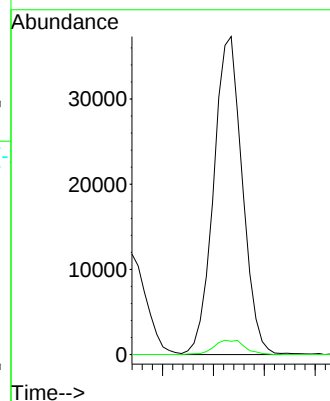
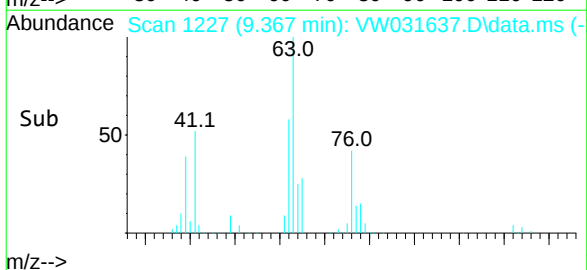
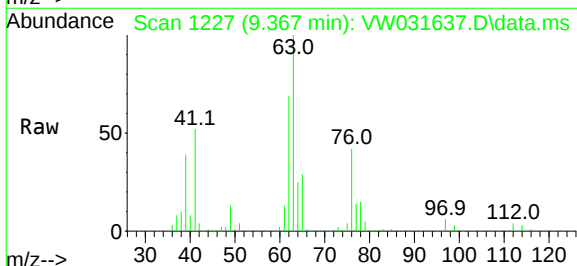
Acq: 29 Jan 2025 13:30

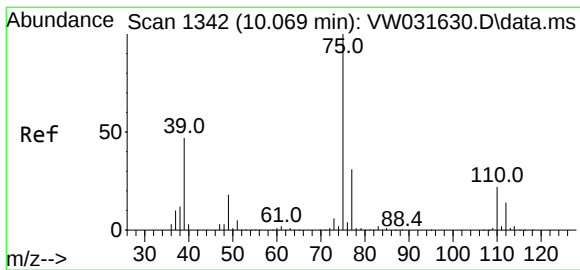
Tgt Ion: 63 Resp: 73136

Ion Ratio Lower Upper

63 100

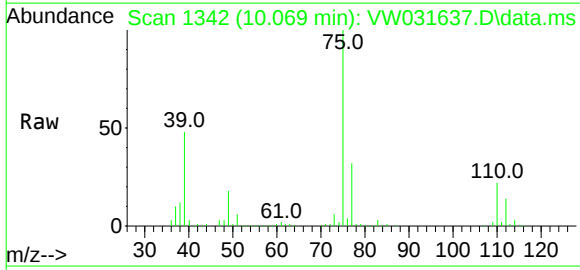
112 4.9 3.6 5.4





#39
 cis-1,3-Dichloropropene
 Concen: 14.001 ug/L
 RT: 10.069 min Scan# 1342
 Delta R.T. -0.000 min
 Lab File: VW031637.D
 Acq: 29 Jan 2025 13:30

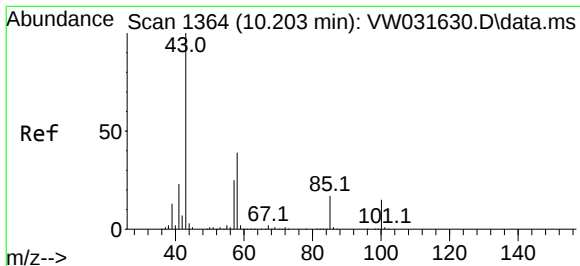
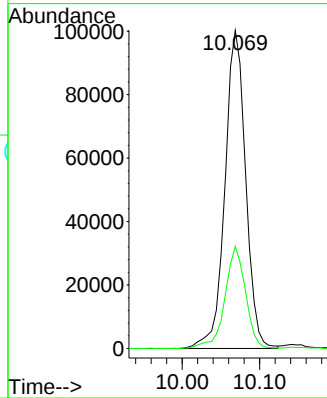
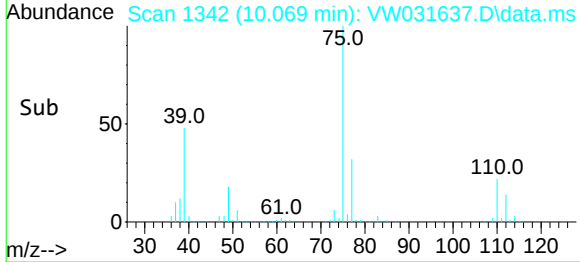
Instrument :
 MSVOA_W
 ClientSampleId :
 A44X1DL



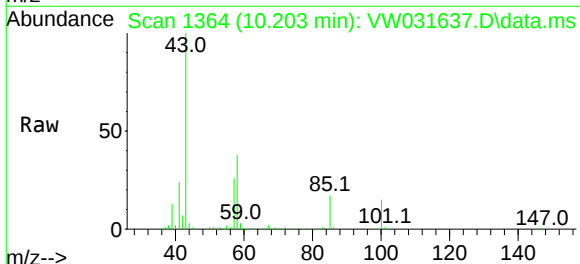
Tgt Ion: 75 Resp: 186511
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.2

Manual Integrations
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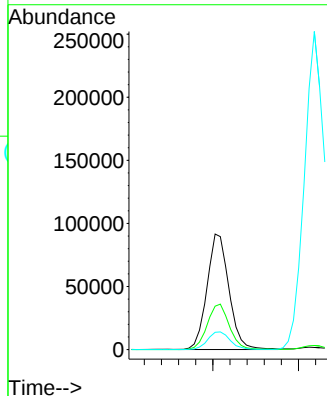
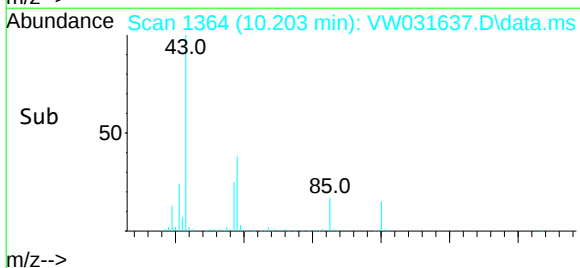
Reviewed By :Semsettin Yesilyurt 01/30/2025
 Supervised By :Mahesh Dadoda 01/30/2025

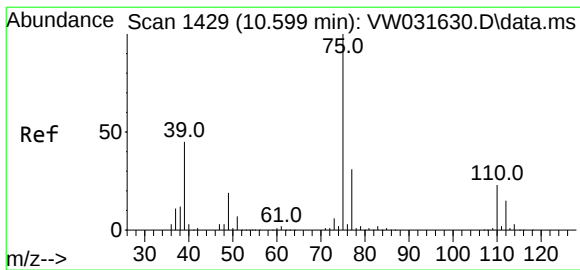


#40
 4-Methyl-2-pentanone
 Concen: 38.465 ug/L
 RT: 10.203 min Scan# 1364
 Delta R.T. -0.000 min
 Lab File: VW031637.D
 Acq: 29 Jan 2025 13:30



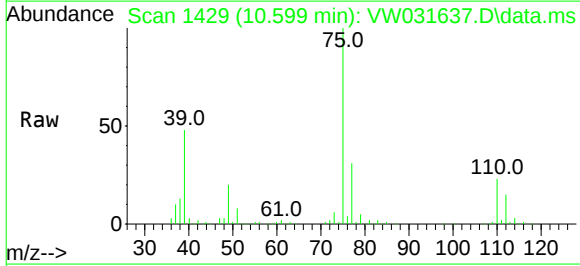
Tgt Ion: 43 Resp: 162590
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.4 47.2
 100 15.9 12.3 18.5





#44
trans-1,3-Dichloropropene
Concen: 16.373 ug/L
RT: 10.599 min Scan# 1429
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

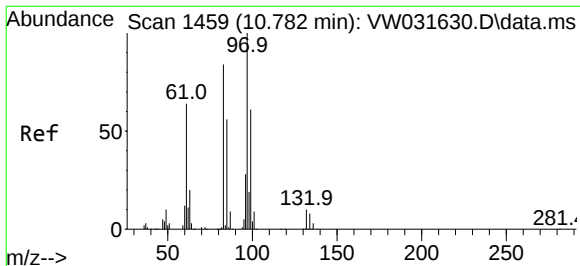
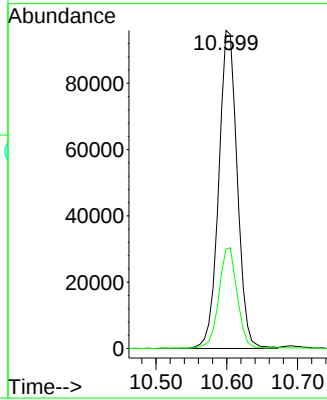
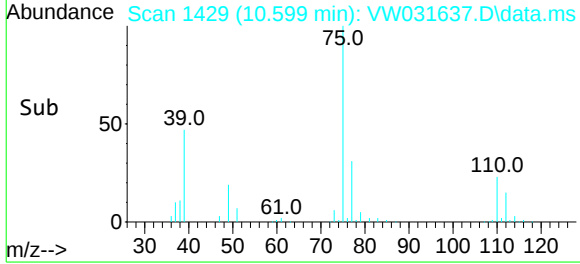
Instrument : MSVOA_W
Client SampleId : A44X1DL



Tgt Ion: 75 Resp: 174339
Ion Ratio Lower Upper
75 100
77 31.2 22.5 41.9

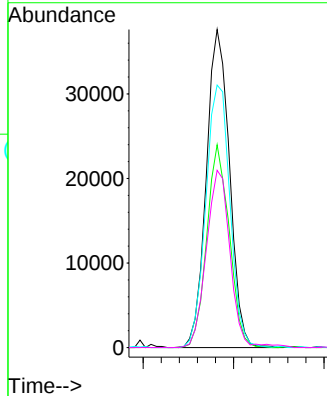
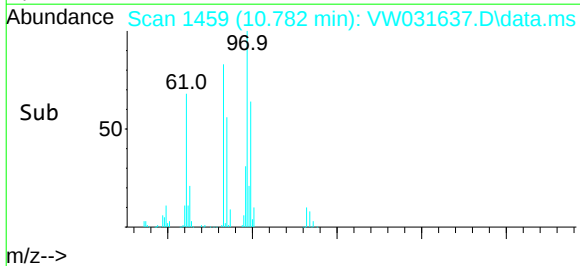
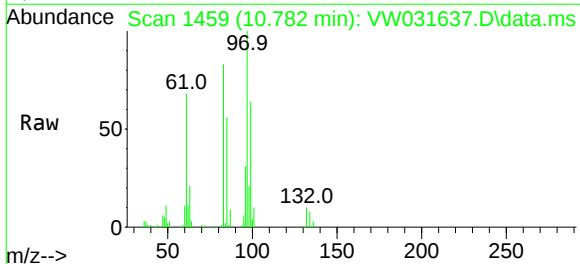
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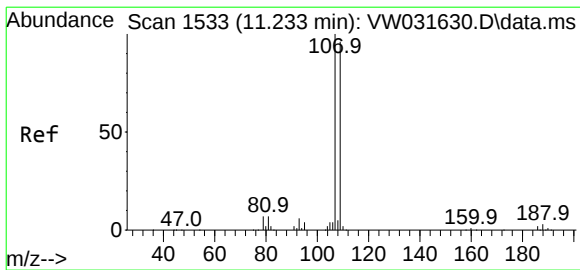
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#45
1,1,2-Trichloroethane
Concen: 12.351 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

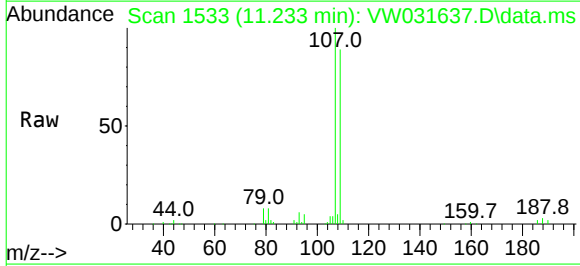
Tgt Ion: 97 Resp: 67042
Ion Ratio Lower Upper
97 100
99 63.8 42.6 79.2
83 82.5 59.6 110.8
85 55.7 37.3 69.3





#50
1,2-Dibromoethane
Concen: 11.828 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

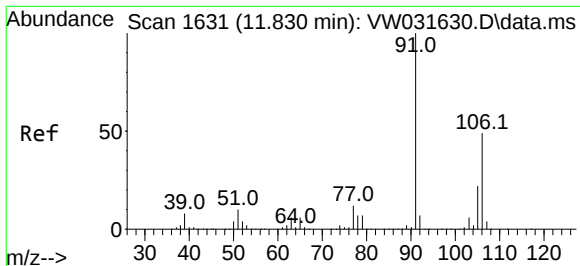
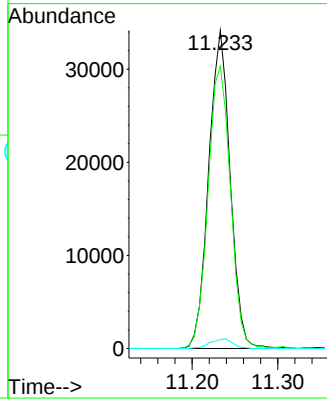
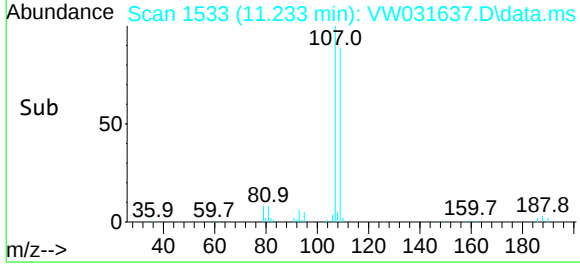
Instrument :
MSVOA_W
ClientSampleId :
A44X1DL



Tgt Ion:107 Resp: 59504
Ion Ratio Lower Upper
107 100
109 88.7 63.8 118.4
188 2.8 2.6 3.8

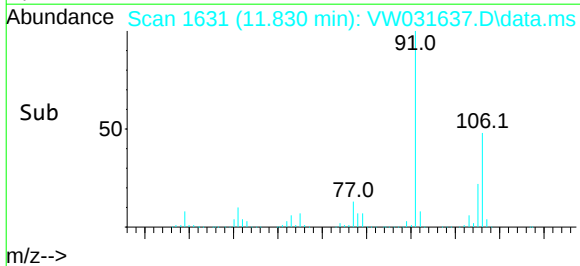
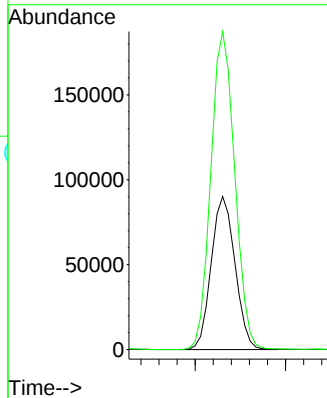
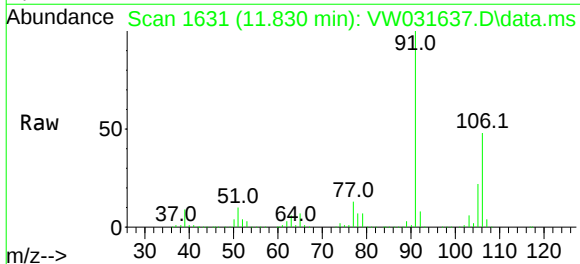
Manual Integrations
APPROVED

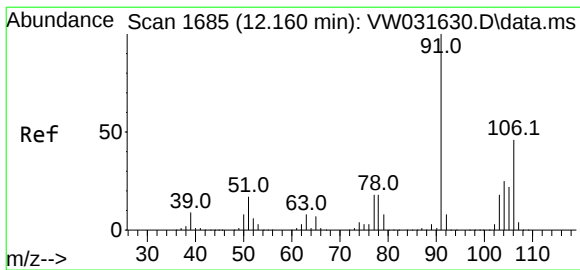
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#53
m,p-Xylene
Concen: 10.694 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

Tgt Ion:106 Resp: 164771
Ion Ratio Lower Upper
106 100
91 207.7 145.9 270.9





#54
o-Xylene
Concen: 14.339 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

Instrument :

MSVOA_W

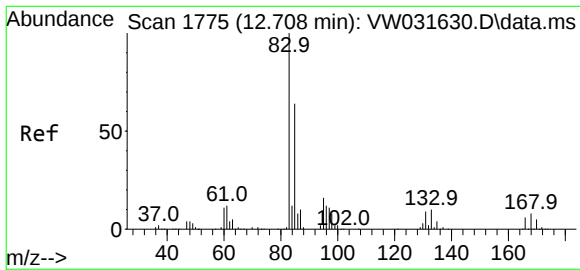
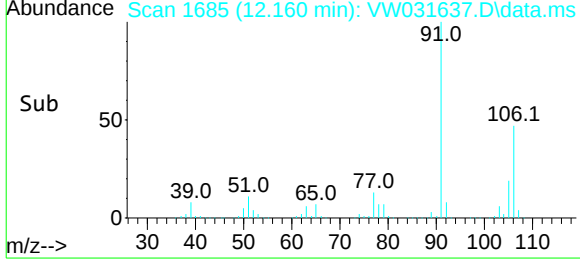
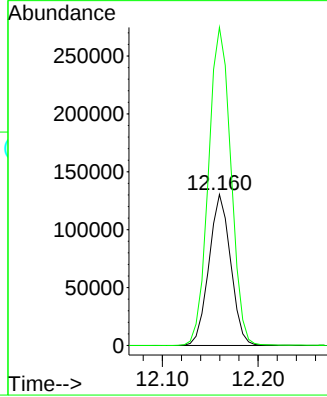
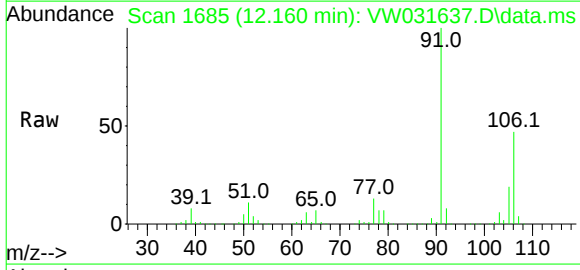
ClientSampleId :

A44X1DL

Tgt Ion:	106	Resp:	205330
Ion Ratio	Lower	Upper	
106	100		
91	210.6	152.9	284.1

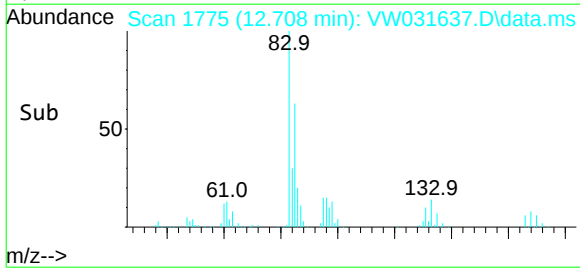
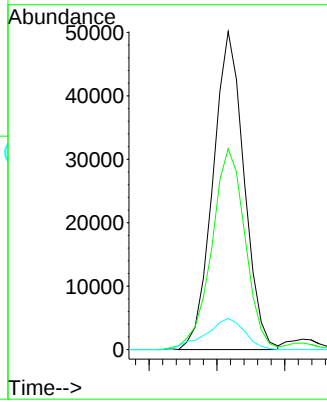
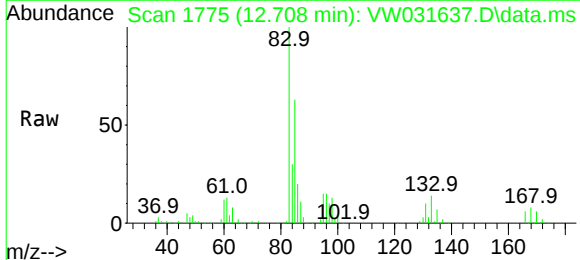
Manual Integrations
APPROVED

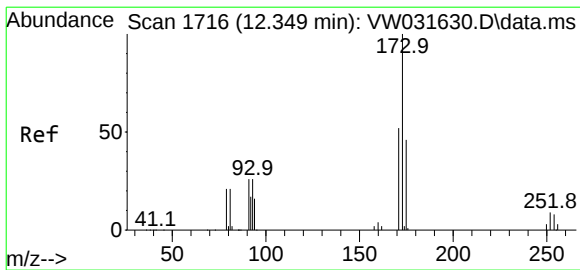
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#57
1,1,2,2-Tetrachloroethane
Concen: 13.396 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

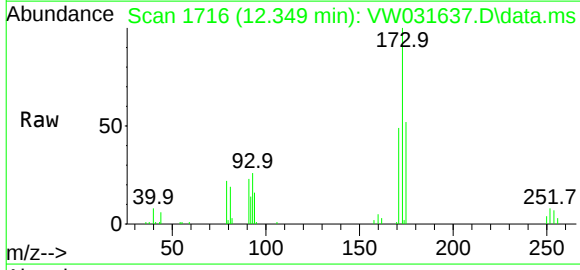
Tgt Ion:	83	Resp:	79897
Ion Ratio	Lower	Upper	
83	100		
85	63.2	44.1	81.9
131	9.8	7.4	11.0





#59
Bromoform
Concen: 4.105 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

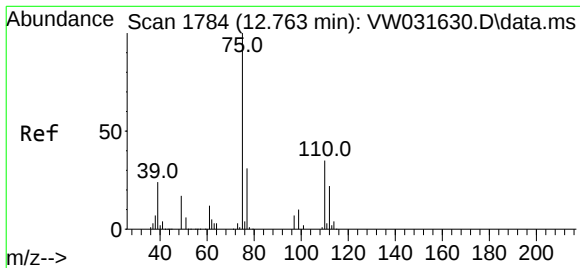
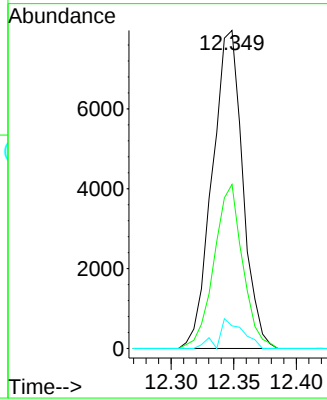
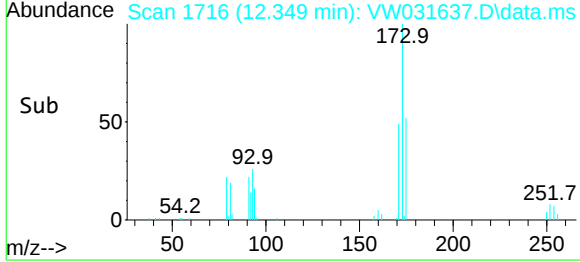
Instrument : MSVOA_W
ClientSampleId : A44X1DL



Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	37.7	56.5
254	6.4	7.1	10.7

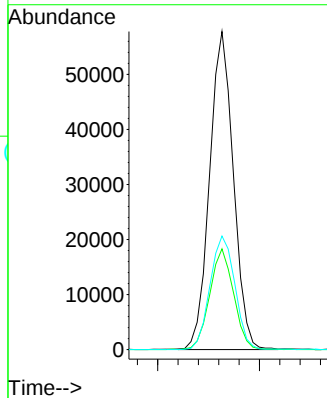
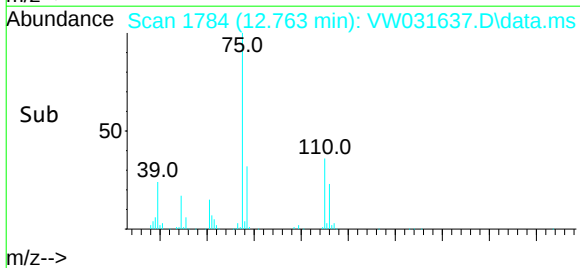
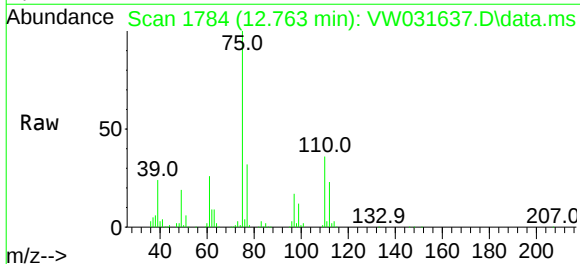
Manual Integrations
APPROVED

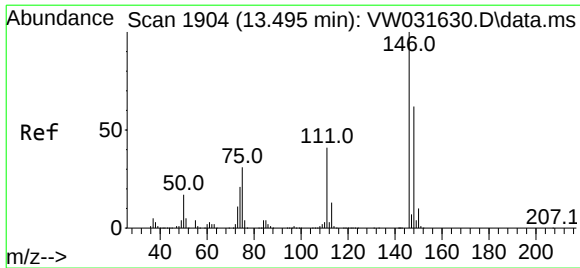
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#61
1,2,3-Trichloropropane
Concen: 20.313 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

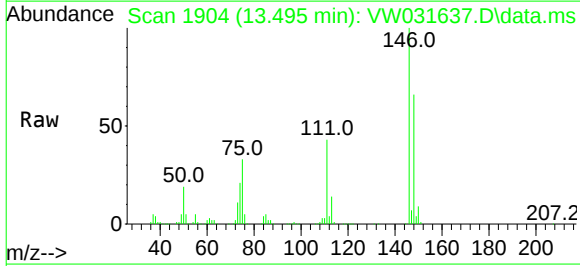
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.2
110	37.2	29.6	44.4





#64
1,3-Dichlorobenzene
Concen: 8.768 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

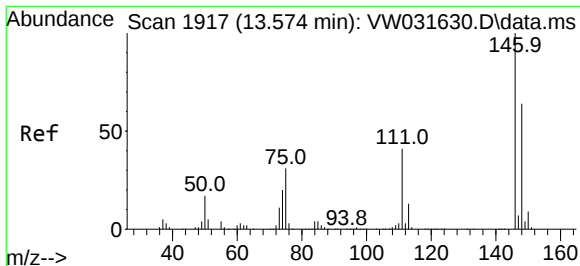
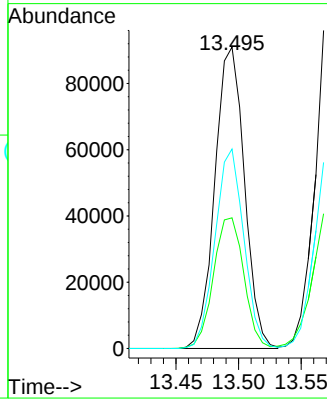
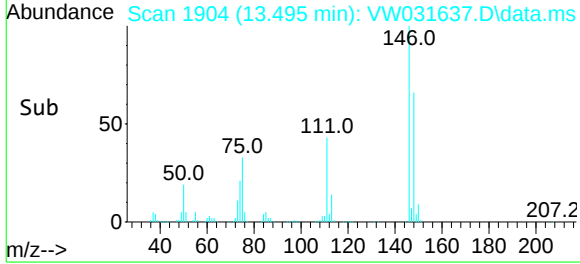
Instrument :
MSVOA_W
ClientSampleId :
A44X1DL



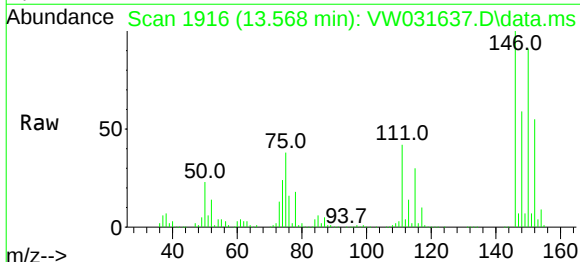
Tgt Ion:146 Resp: 149480
Ion Ratio Lower Upper
146 100
111 43.3 30.4 56.5
148 66.2 42.1 78.1

Manual Integrations
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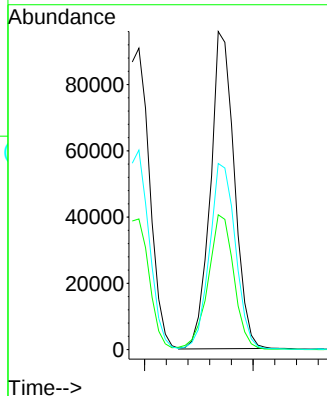
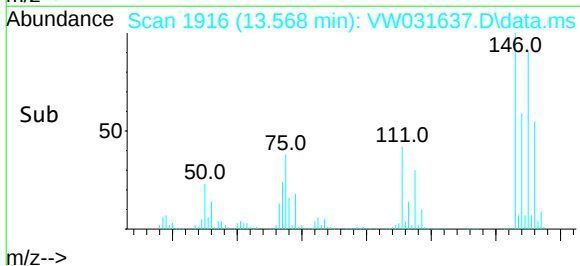
Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025

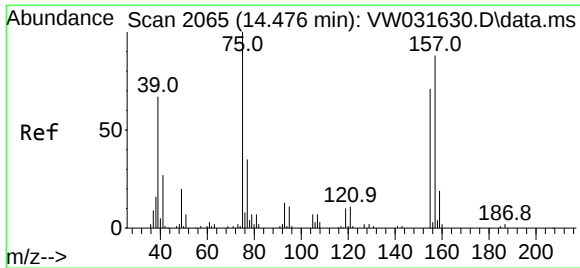


#65
1,4-Dichlorobenzene
Concen: 8.707 ug/L
RT: 13.568 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30



Tgt Ion:146 Resp: 146808
Ion Ratio Lower Upper
146 100
111 42.4 28.5 52.9
148 58.5 45.4 84.4





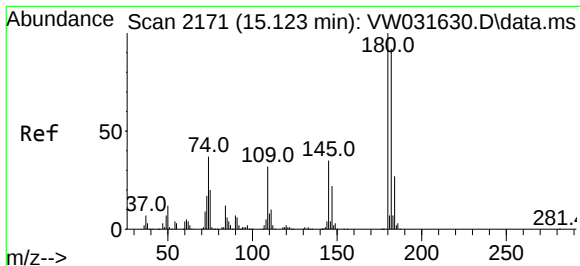
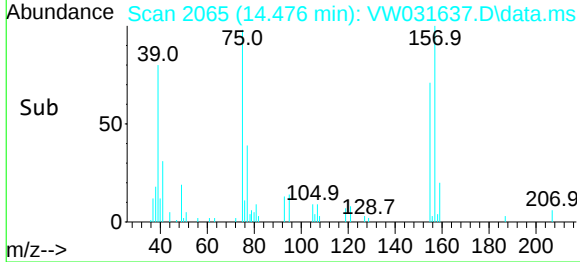
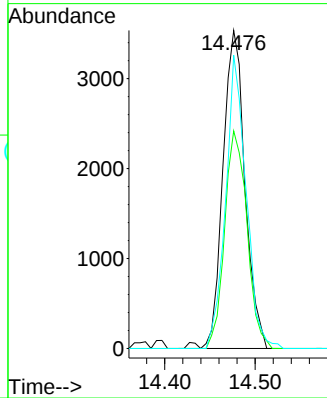
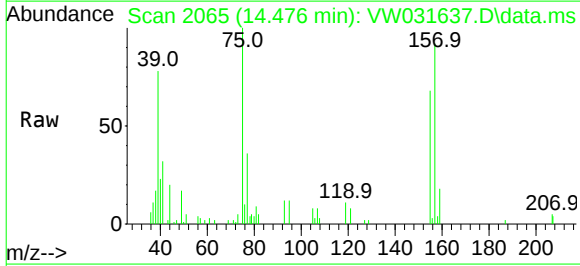
#68
1,2-Dibromo-3-chloropropane
Concen: 5.799 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

Instrument :
MSVOA_W
ClientSampleId :
A44X1DL

Tgt Ion:	75	Resp:	5990
Ion Ratio	Lower	Upper	
75	100		
155	68.4	51.0	76.4
157	92.2	70.2	105.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/30/2025
Supervised By :Mahesh Dadoda 01/30/2025



#70
1,2,4-trichlorobenzene
Concen: 5.171 ug/L
RT: 15.122 min Scan# 2171
Delta R.T. -0.000 min
Lab File: VW031637.D
Acq: 29 Jan 2025 13:30

Tgt Ion:	180	Resp:	47583
Ion Ratio	Lower	Upper	
180	100		
182	91.0	77.7	116.5
145	34.7	26.6	39.8

