

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122024\
 Data File : VU062549.D
 Acq On : 21 Dec 2024 02:56
 Operator : MD/SY
 Sample : P5344-06
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COCE8

Quant Time: Dec 21 03:43:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 20 23:41:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/23/2024
 Supervised By : Mahesh Dadoda 12/24/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.261	114	108886m	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.434	117	114459	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.807	152	63736	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	23000	3.132	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	62.600%		
7) Chloroethane-d5	1.911	69	19404m	3.714	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	74.200%		
11) 1,1-Dichloroethene-d2	2.567	65	11199	3.205	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	64.200%		
20) 2-Butanone-d5	4.647	46	53499m	38.009	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery =	76.020%		
24) Chloroform-d	5.078	84	72353	4.552	ug/L	0.03
Spiked Amount 5.000	Range 70 - 125		Recovery =	91.000%		
26) 1,2-Dichloroethane-d4	5.737	65	43578m	5.575	ug/L	0.05
Spiked Amount 5.000	Range 70 - 130		Recovery =	111.600%		
32) Benzene-d6	5.779	84	120192m	3.646	ug/L	0.06
Spiked Amount 5.000	Range 70 - 125		Recovery =	73.000%		
36) 1,2-Dichloropropane-d6	0.000	67	0d	0.000	ug/L	
Spiked Amount 5.000	Range 60 - 140		Recovery =	0.000%#		
41) Toluene-d8	7.943	98	126058	4.048	ug/L	0.05
Spiked Amount 5.000	Range 70 - 130		Recovery =	81.000%		
43) trans-1,3-Dichloroprop...	8.222	79	18046	4.347	ug/L	0.05
Spiked Amount 5.000	Range 55 - 130		Recovery =	87.000%		
46) 2-Hexanone-d5	8.660	63	47382	37.828	ug/L	0.04
Spiked Amount 50.000	Range 45 - 130		Recovery =	75.660%		
56) 1,1,2,2-Tetrachloroeth...	10.756	84	29960	4.082	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	81.600%		
66) 1,2-Dichlorobenzene-d4	12.190	152	50354	4.287	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	85.800%		
Target Compounds					Qvalue	
5) Vinyl chloride	1.599	62	44438	5.339	ug/L	100
9) Trichlorofluoromethane	2.129	101	34171657m	2365.221	ug/L	
12) 1,1-Dichloroethene	2.579	96	101140	13.757	ug/L	91
14) Carbon disulfide	2.795	76	32689	1.406	ug/L	97
16) Methylene chloride	3.042	84	750437	97.237	ug/L	87
18) trans-1,2-Dichloroethene	3.354	96	237347	31.422	ug/L	91
19) 1,1-Dichloroethane	3.885	63	24799	1.791	ug/L	96
22) cis-1,2-Dichloroethene	4.673	96	2300747	271.738	ug/L	94
25) Chloroform	5.097	83	415150	26.619	ug/L	99
27) 1,2-Dichloroethane	5.811	62	188887m	19.059	ug/L	
29) 1,1,1-Trichloroethane	5.351	97	28205m	1.752	ug/L	
31) Carbon tetrachloride	5.570	117	148341	10.047	ug/L	83
34) Trichloroethene	6.541	95	190504836m	18960.247	ug/L	
38) Bromodichloromethane	7.193	83	10158	0.834	ug/L #	97
40) 4-Methyl-2-pentanone	7.843	43	6471	1.598	ug/L #	84
42) Toluene	8.017	91	6294847	164.579	ug/L	98
45) 1,1,2-Trichloroethane	8.428	97	206318	31.639	ug/L	94
47) Tetrachloroethene	8.592	164	14259539	1838.094	ug/L	95
51) Chlorobenzene	9.463	112	233689	9.535	ug/L	98

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C0CE8

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Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.582	91	370812	8.647	ug/L	98
53) m,p-Xylene	9.701	106	341850	21.592	ug/L	93
54) o-Xylene	10.106	106	339036	22.018	ug/L	97
60) Isopropylbenzene	10.489	105	69987	1.520	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	74875	1.922	ug/L	96
63) 1,2,4-Trimethylbenzene	11.467	105	28568	0.748	ug/L	99

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

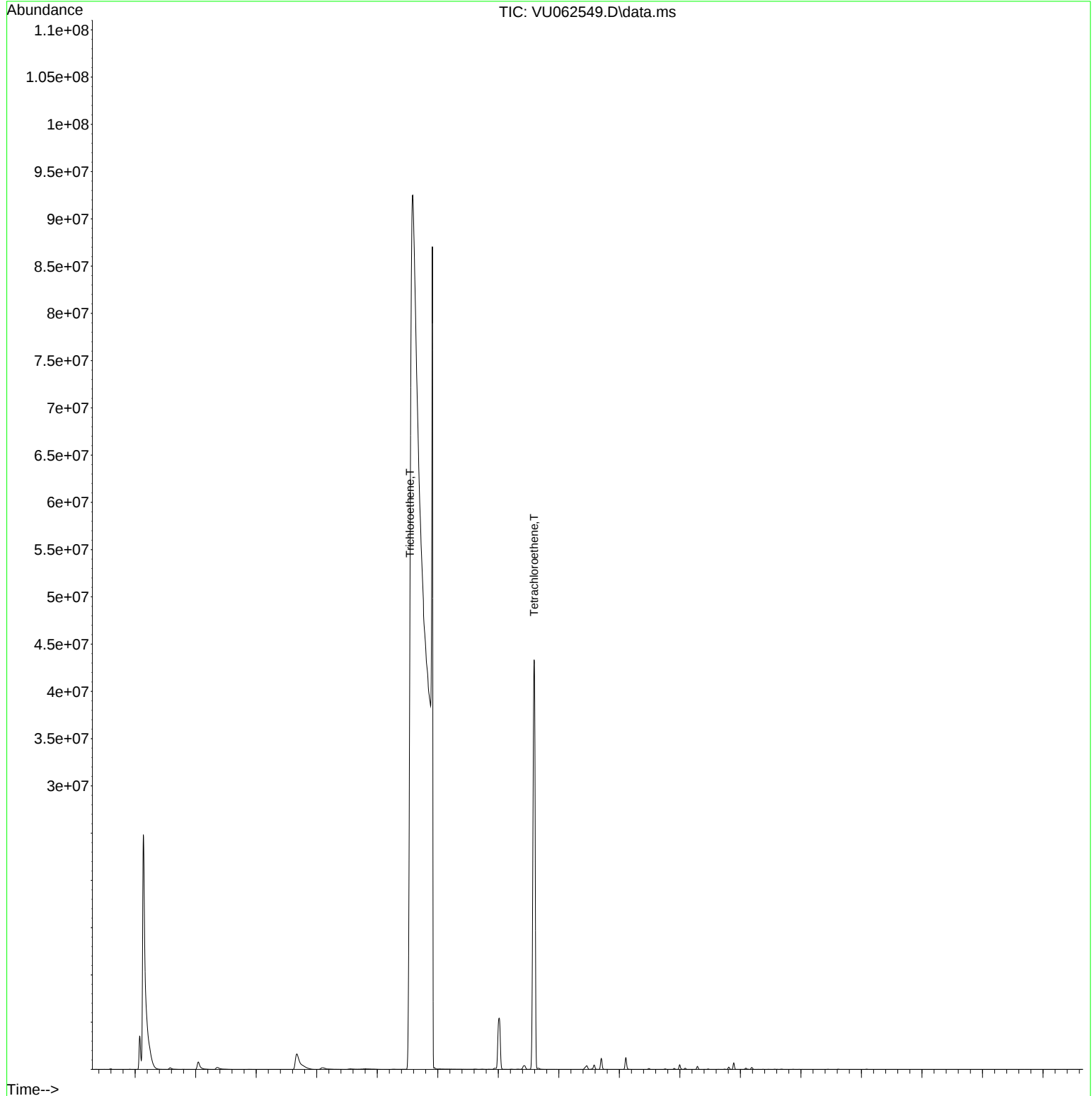
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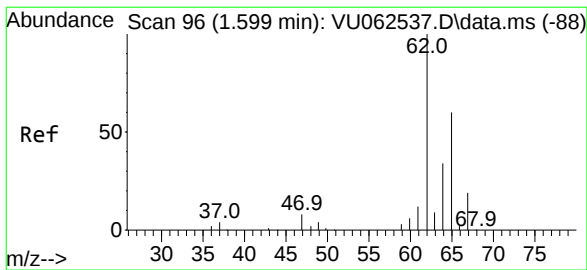
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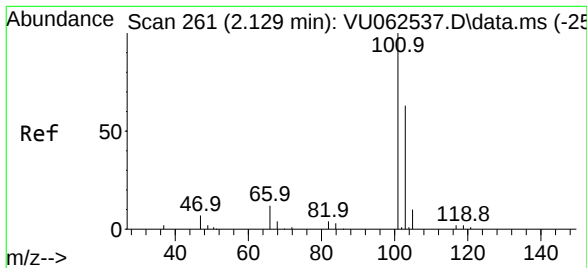
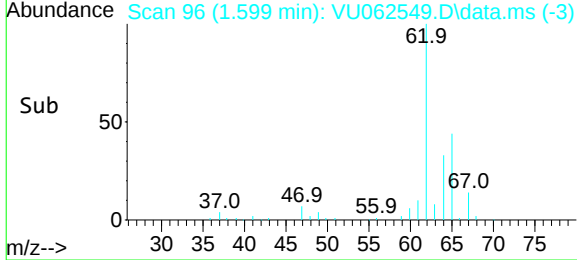
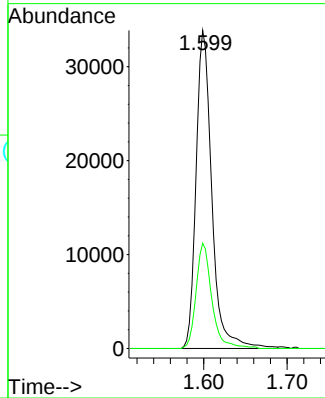
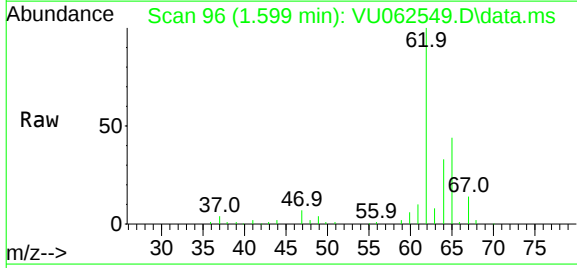
Vinyl chloride
Concen: 5.339 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Instrument :
MSVOA_U
ClientSampleId :
C0CE8

Tgt Ion: 62 Resp: 44438
Ion Ratio Lower Upper
62 100
64 33.1 23.1 42.9

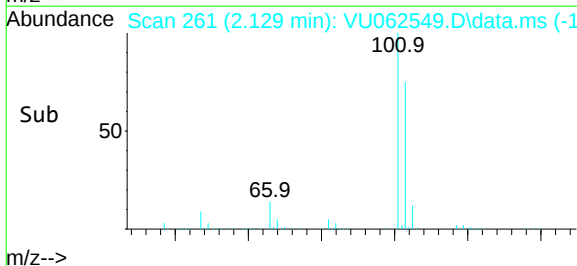
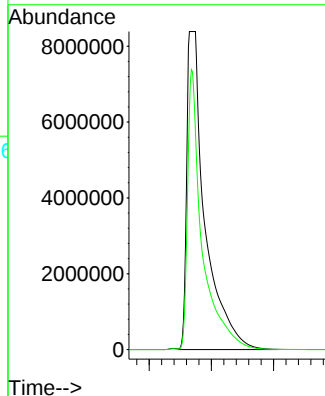
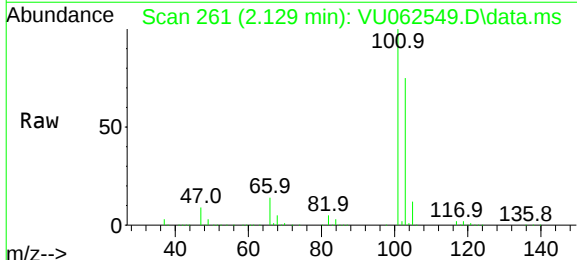
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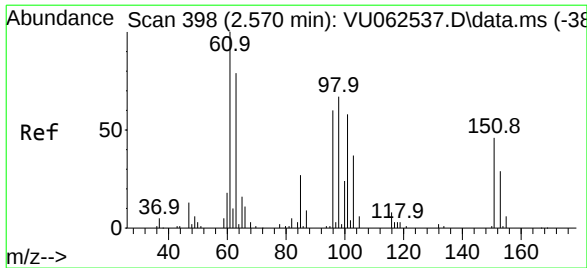
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



Trichlorofluoromethane
Concen: 2365.221 ug/L m
RT: 2.129 min Scan# 261
Delta R.T. 0.000 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Tgt Ion:101 Resp:34171657
Ion Ratio Lower Upper
101 100
103 0.0 50.6 75.8#





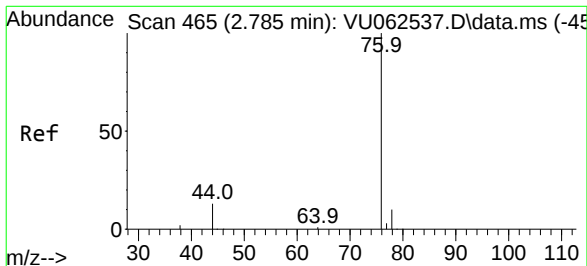
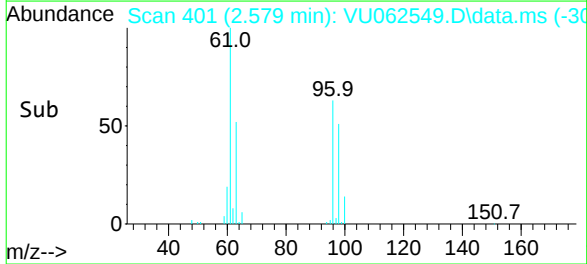
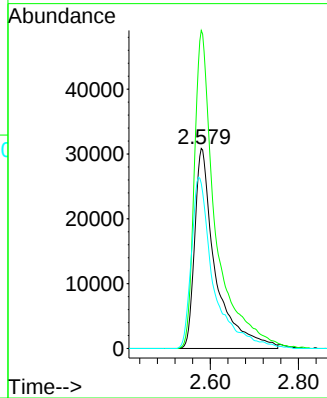
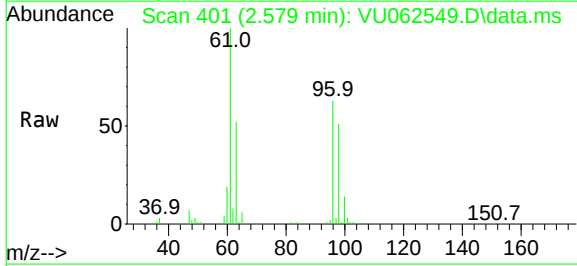
#12
1,1-Dichloroethene
Concen: 13.757 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.010 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Instrument :
MSVOA_U
ClientSampleId :
C0CE8

Tgt Ion:	96	Resp:	101140
Ion	Ratio	Lower	Upper
96	100		
61	159.0	119.6	222.2
63	82.5	65.0	120.6

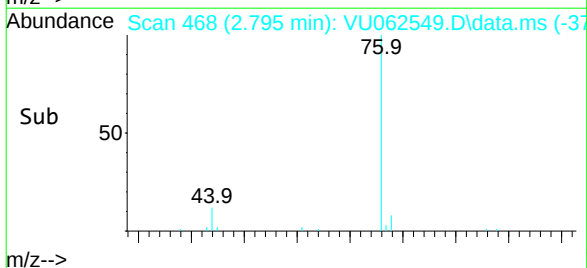
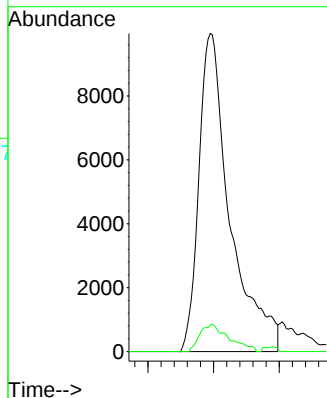
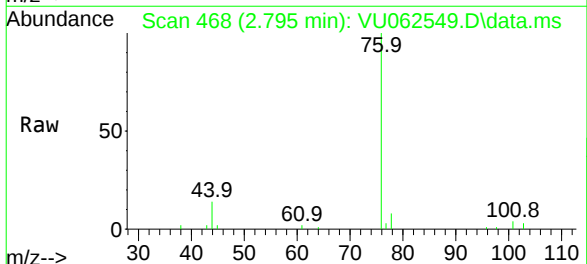
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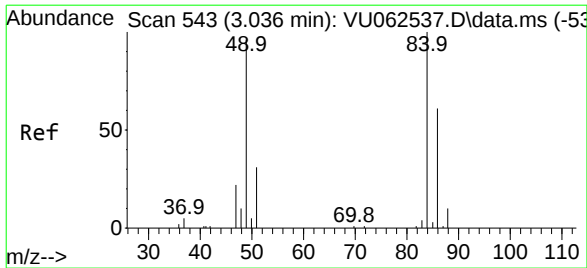
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#14
Carbon disulfide
Concen: 1.406 ug/L
RT: 2.795 min Scan# 468
Delta R.T. 0.010 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Tgt Ion:	76	Resp:	32689
Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.5	11.3





#16

Methylene chloride

Concen: 97.237 ug/L

RT: 3.042 min Scan# 54

Delta R.T. 0.007 min

Lab File: VU062549.D

Acq: 21 Dec 2024 02:56

Instrument :

MSVOA_U

ClientSampleId :

C0CE8

Tgt Ion: 84 Resp: 750437

Ion Ratio Lower Upper

84 100

86 64.0 43.5 80.7

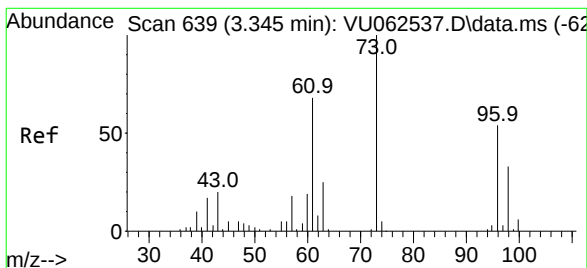
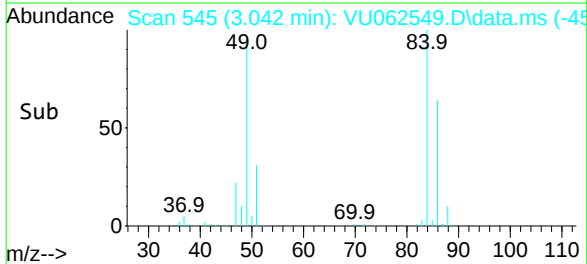
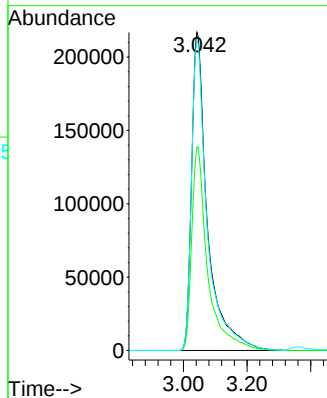
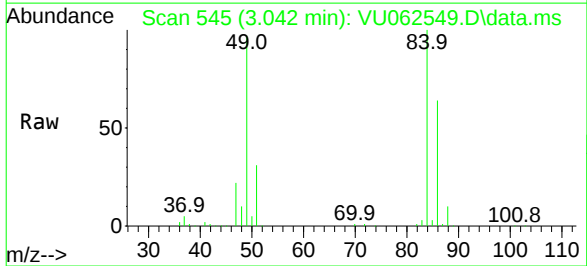
49 97.3 81.9 152.1

Manual Integrations

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Supervised By :Mahesh Dadoda 12/24/2024



#18

trans-1,2-Dichloroethene

Concen: 31.422 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.010 min

Lab File: VU062549.D

Acq: 21 Dec 2024 02:56

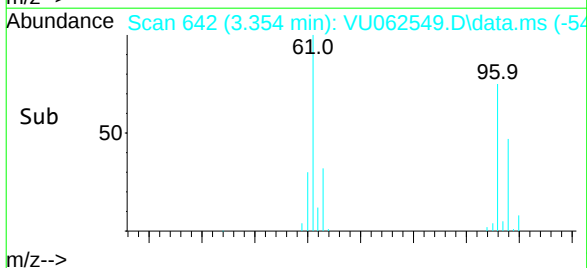
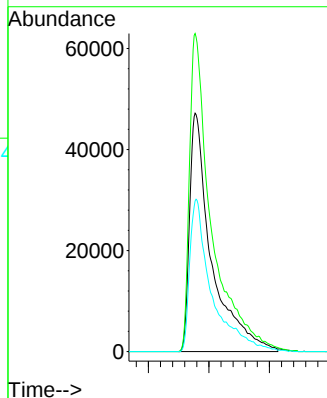
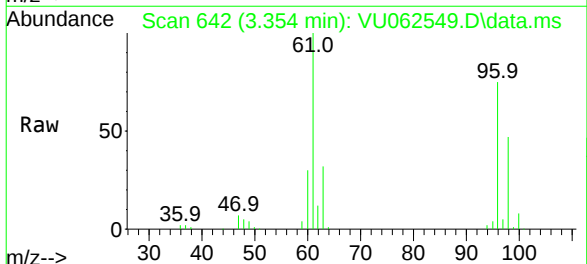
Tgt Ion: 96 Resp: 237347

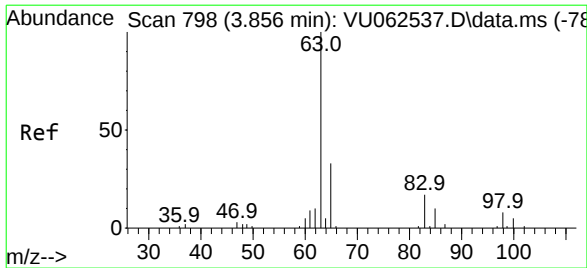
Ion Ratio Lower Upper

96 100

61 133.4 104.2 193.4

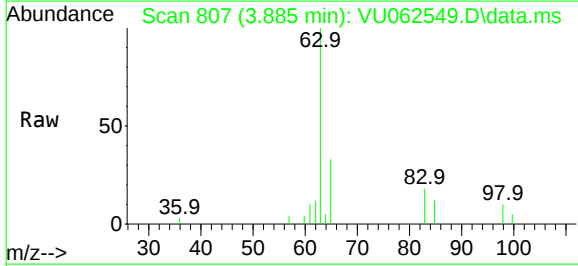
98 63.2 45.7 84.9





#19
1,1-Dichloroethane
Concen: 1.791 ug/L
RT: 3.885 min Scan# 80
Delta R.T. 0.029 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

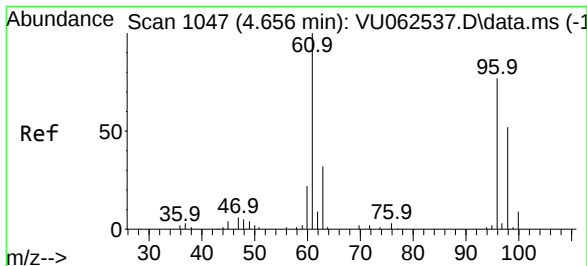
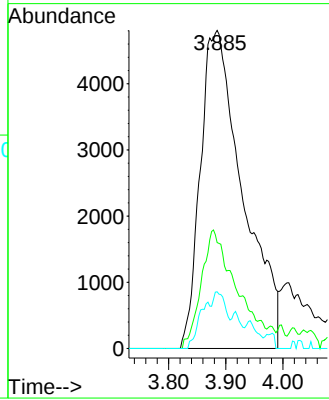
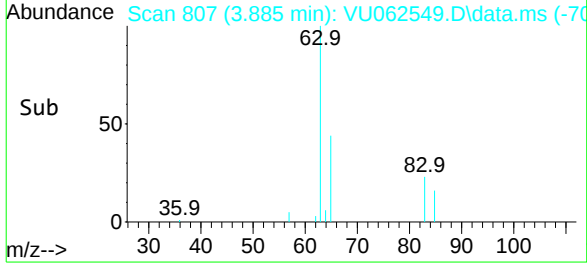
Instrument :
MSVOA_U
ClientSampleId :
C0CE8



Tgt Ion: 63 Resp: 24799
Ion Ratio Lower Upper
63 100
65 33.3 22.7 42.3
83 17.8 9.9 18.3

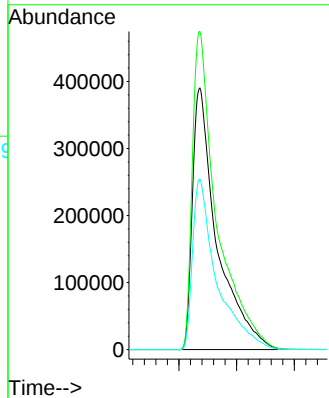
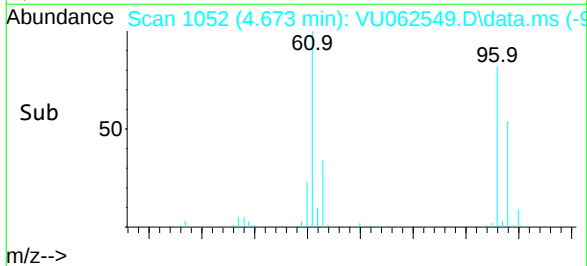
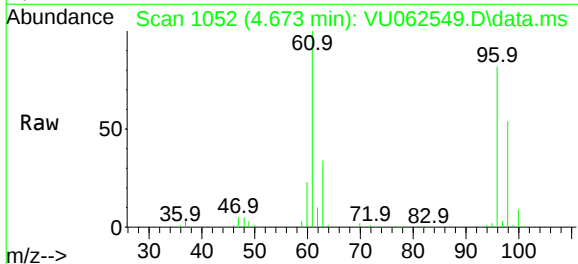
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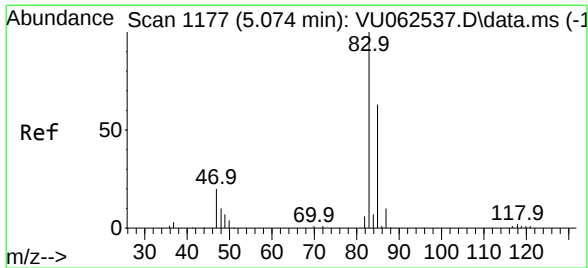
Reviewed By :Semsettin Yesilyurt 12/23/2024
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#22
cis-1,2-Dichloroethene
Concen: 271.738 ug/L
RT: 4.673 min Scan# 1052
Delta R.T. 0.016 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Tgt Ion: 96 Resp: 2300747
Ion Ratio Lower Upper
96 100
61 121.6 92.0 170.8
98 65.2 44.5 82.7





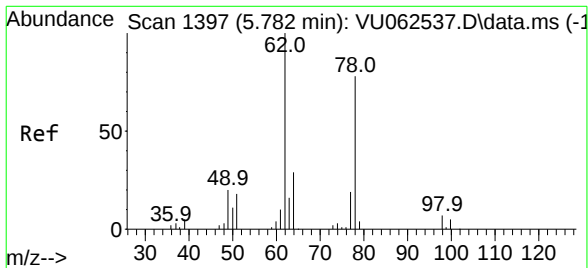
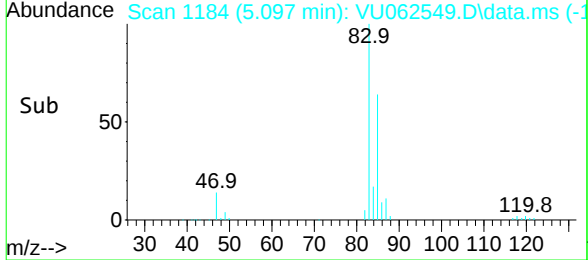
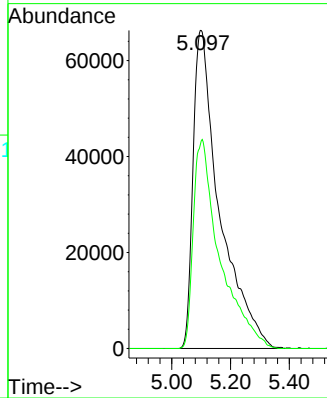
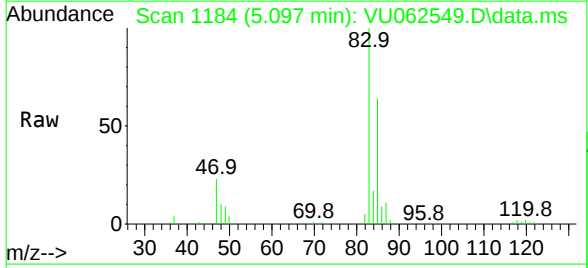
#25
Chloroform
Concen: 26.619 ug/L
RT: 5.097 min Scan# 111
Delta R.T. 0.023 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 83 Resp: 415150
Ion Ratio Lower Upper
83 100
85 64.0 45.4 84.2

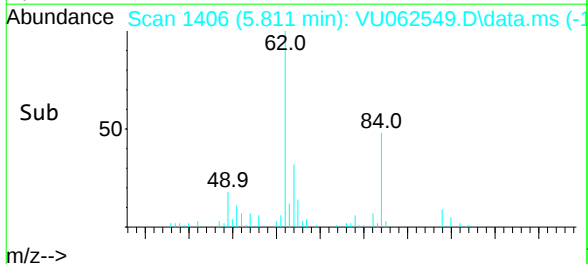
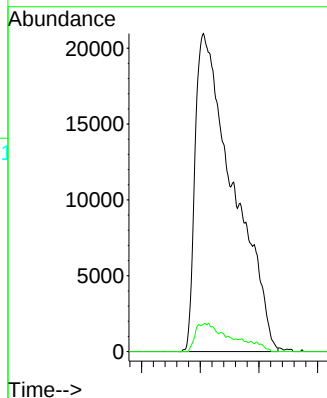
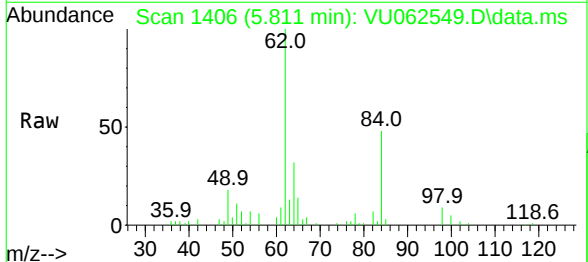
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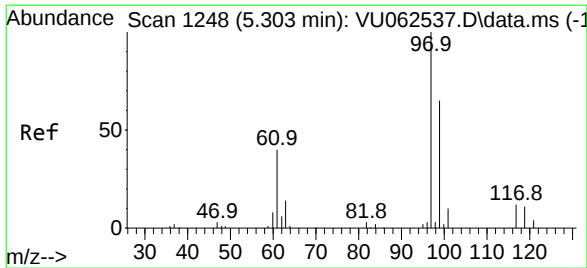
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#27
1,2-Dichloroethane
Concen: 19.059 ug/L m
RT: 5.811 min Scan# 1406
Delta R.T. 0.029 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Tgt Ion: 62 Resp: 188887
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0





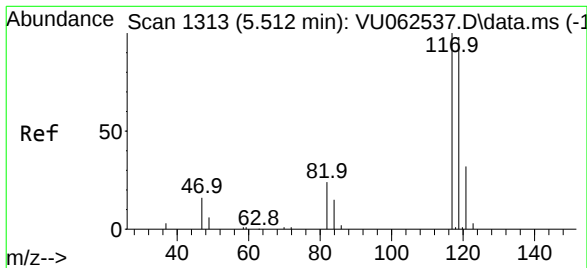
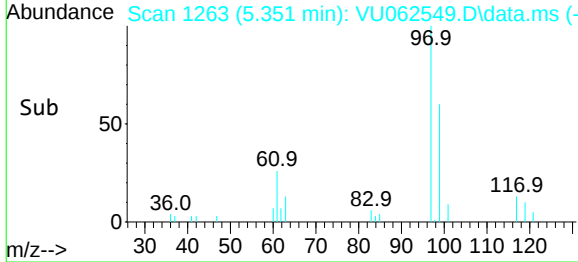
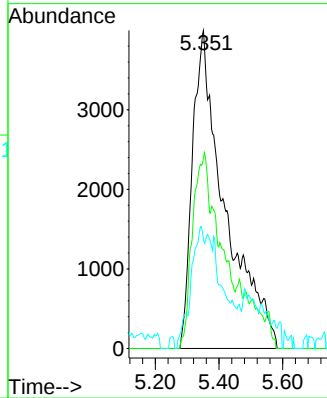
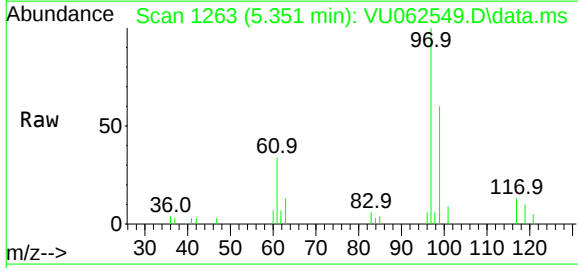
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1,1,1-Trichloroethane
Concen: 1.752 ug/L m
RT: 5.351 min Scan# 1248
Delta R.T. 0.048 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Instrument :
MSVOA_U
ClientSampleId :
C0CE8

Tgt Ion: 97 Resp: 28205
Ion Ratio Lower Upper
97 100
99 31.1 51.4 77.2#
61 15.5 37.8 56.6#

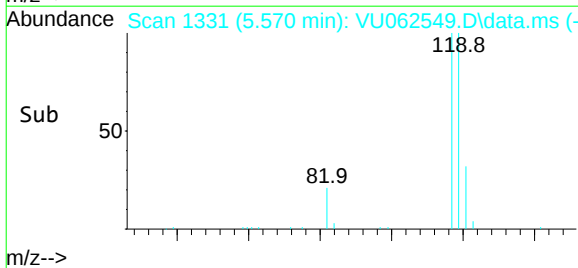
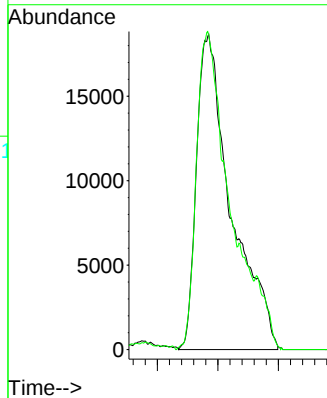
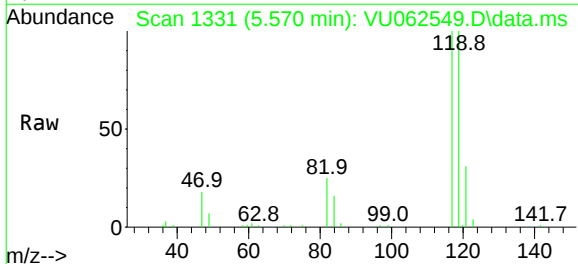
Manual Integrations
APPROVED

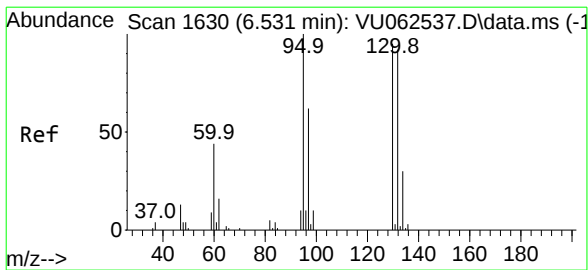
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#31
Carbon tetrachloride
Concen: 10.047 ug/L
RT: 5.570 min Scan# 1331
Delta R.T. 0.058 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

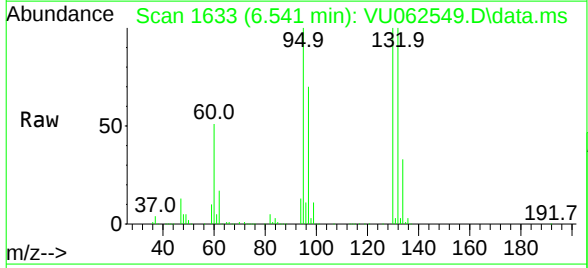
Tgt Ion:117 Resp: 148341
Ion Ratio Lower Upper
117 100
119 80.4 77.5 116.3





#34
Trichloroethene
Concen: 18960.247 ug/L m
RT: 6.541 min Scan# 16
Delta R.T. 0.010 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

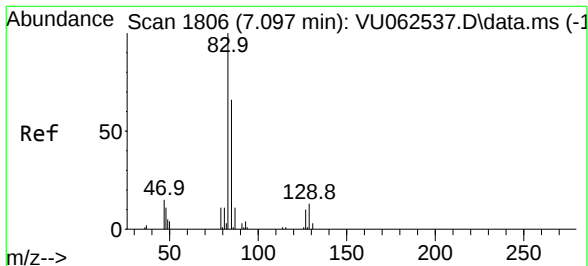
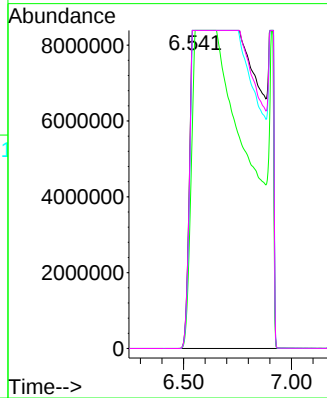
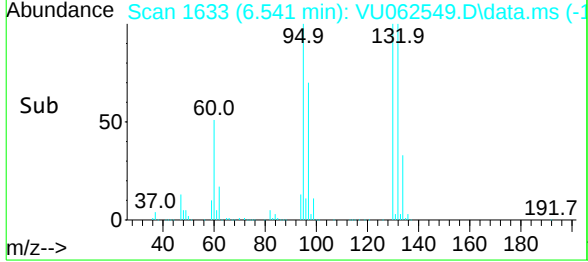
Instrument :
MSVOA_U
ClientSampleId :
C0CE8



Tgt Ion: 95 Resp:19050483
Ion Ratio Lower Upper
95 100
97 69.6 45.9 85.3
132 100.0 63.8 118.4
130 100.0 65.5 121.7

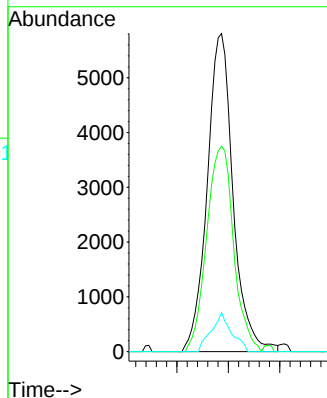
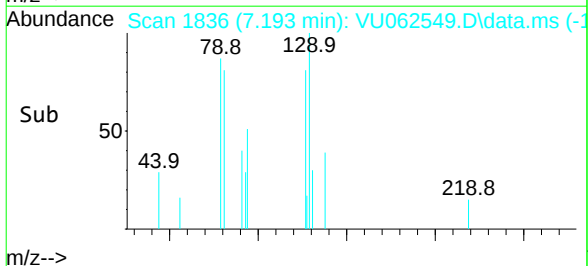
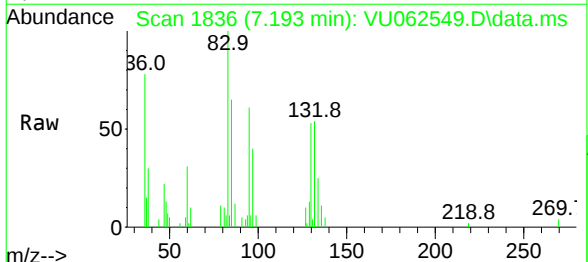
Manual Integrations
APPROVED

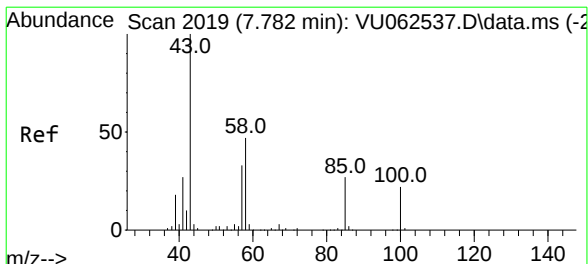
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#38
Bromodichloromethane
Concen: 0.834 ug/L
RT: 7.193 min Scan# 1836
Delta R.T. 0.097 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

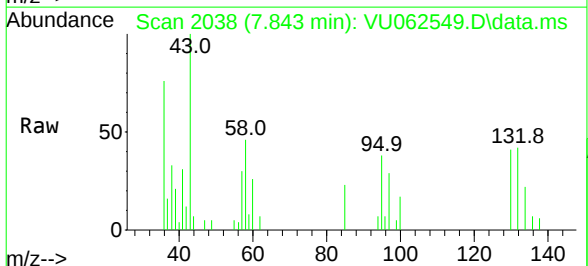
Tgt Ion: 83 Resp: 10158
Ion Ratio Lower Upper
83 100
85 64.6 44.1 81.9
127 12.3 6.9 10.3#





#40
 4-Methyl-2-pentanone
 Concen: 1.598 ug/L
 RT: 7.843 min Scan# 2092
 Delta R.T. 0.061 min
 Lab File: VU062549.D
 Acq: 21 Dec 2024 02:56

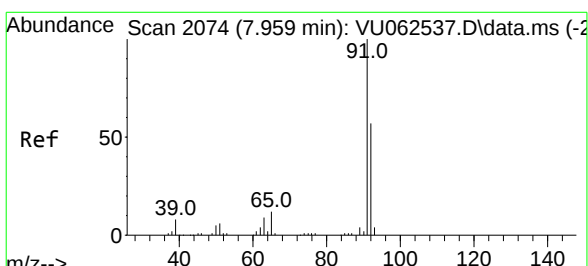
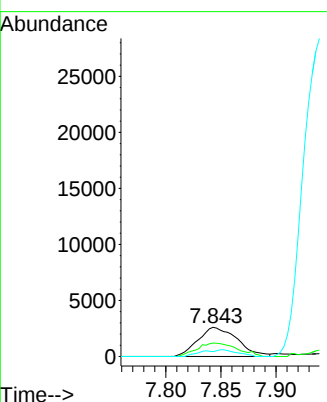
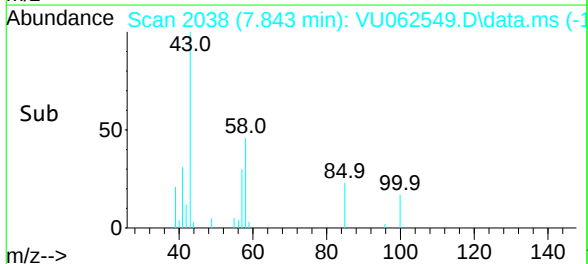
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CE8



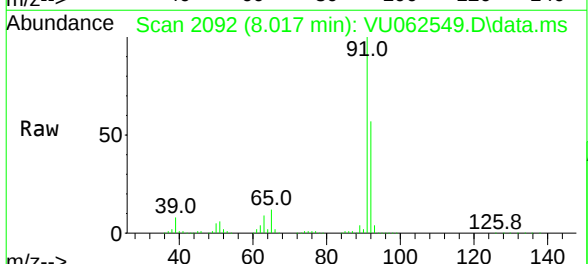
Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.7	33.3	49.9
100	0.0	12.4	18.6

Manual Integrations
 APPROVED

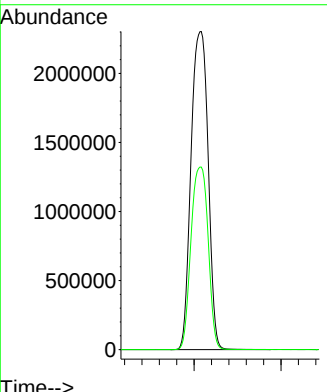
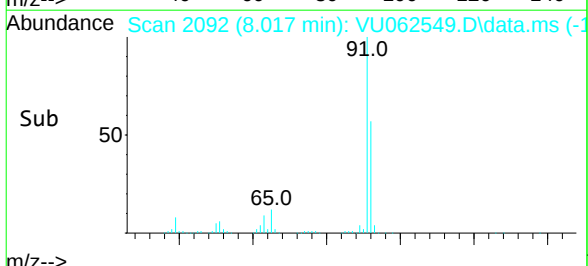
Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/24/2024

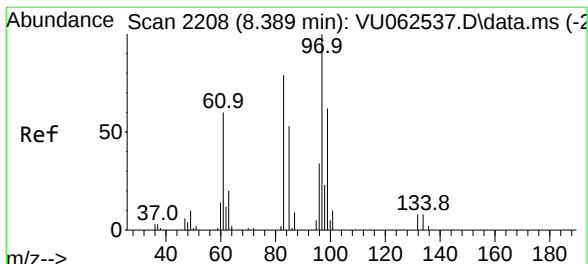


#42
 Toluene
 Concen: 164.579 ug/L
 RT: 8.017 min Scan# 2092
 Delta R.T. 0.058 min
 Lab File: VU062549.D
 Acq: 21 Dec 2024 02:56



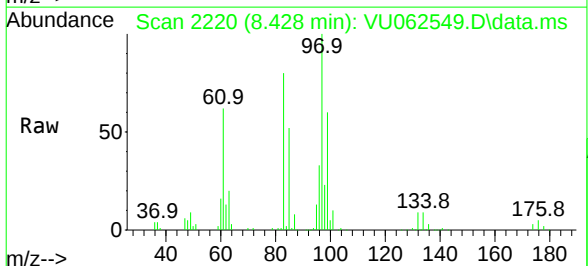
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	39.0	72.4





#45
 1,1,2-Trichloroethane
 Concen: 31.639 ug/L
 RT: 8.428 min Scan# 2208
 Delta R.T. 0.039 min
 Lab File: VU062549.D
 Acq: 21 Dec 2024 02:56

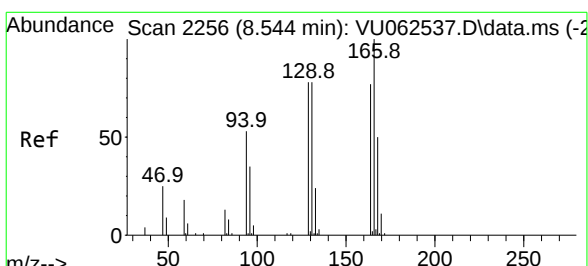
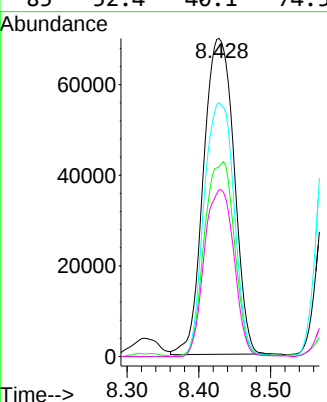
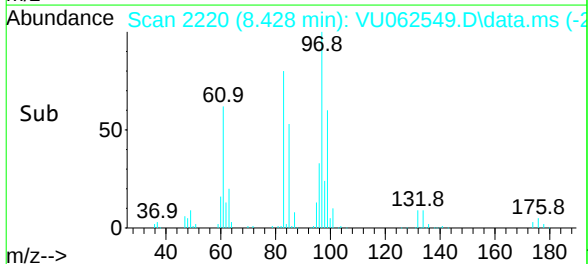
Instrument : MSVOA_U
 ClientSampleId : C0CE8



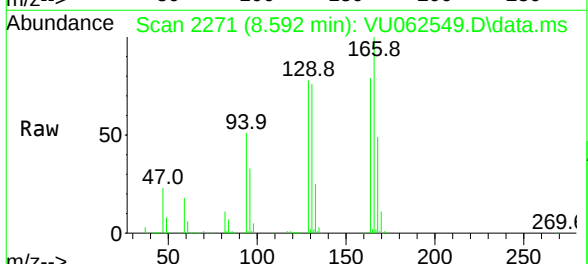
Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.6	43.0	79.8
83	79.8	61.7	114.5
85	52.4	40.1	74.5

Manual Integrations
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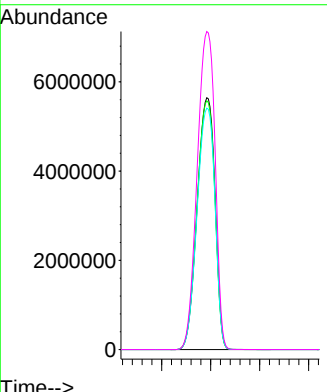
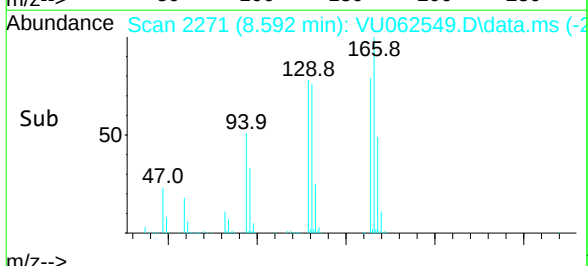
Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/24/2024

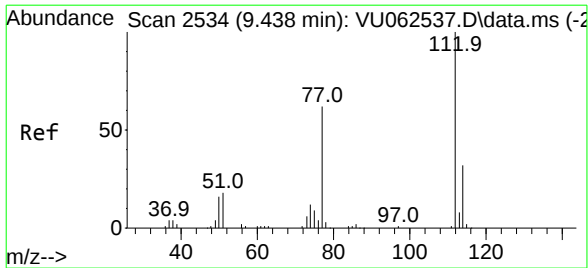


#47
 Tetrachloroethene
 Concen: 1838.094 ug/L
 RT: 8.592 min Scan# 2271
 Delta R.T. 0.048 min
 Lab File: VU062549.D
 Acq: 21 Dec 2024 02:56



Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.8	73.2	136.0
131	95.9	72.3	134.3
166	126.3	90.2	167.4





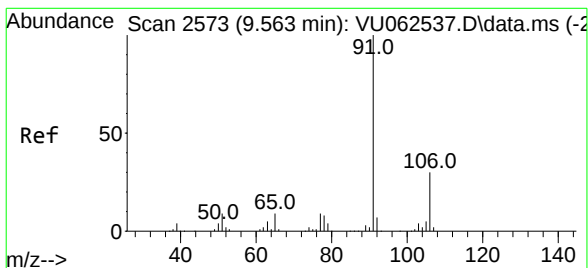
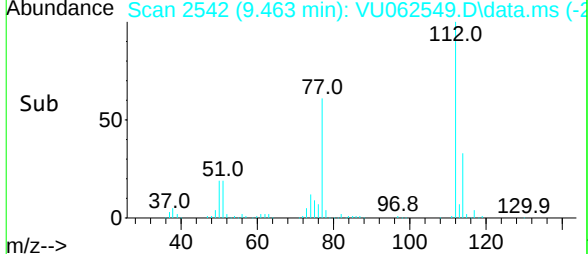
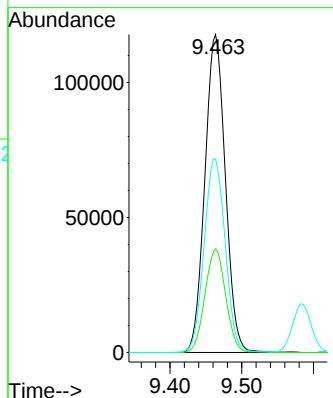
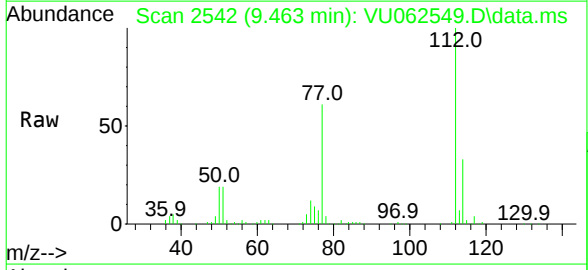
#51
Chlorobenzene
Concen: 9.535 ug/L
RT: 9.463 min Scan# 2534
Delta R.T. 0.026 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Instrument :
MSVOA_U
ClientSampleId :
C0CE8

Tgt Ion:	112	Resp:	233689
Ion	Ratio	Lower	Upper
112	100		
114	32.6	23.0	42.6
77	60.8	50.5	75.7

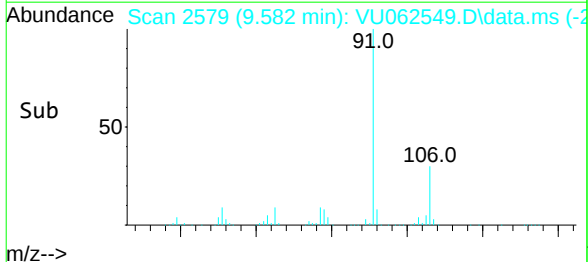
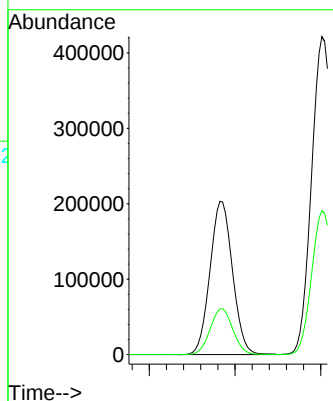
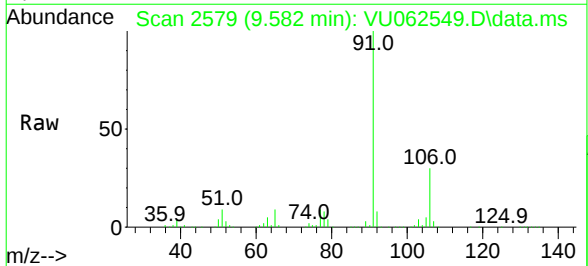
Manual Integrations
APPROVED

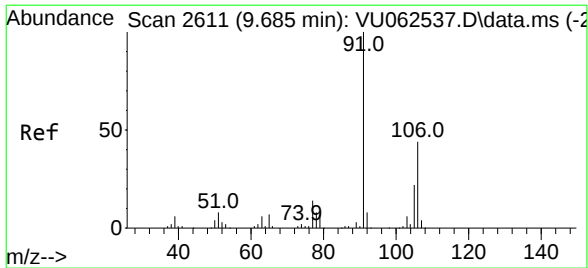
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#52
Ethylbenzene
Concen: 8.647 ug/L
RT: 9.582 min Scan# 2579
Delta R.T. 0.019 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Tgt Ion:	91	Resp:	370812
Ion	Ratio	Lower	Upper
91	100		
106	29.8	21.6	40.0





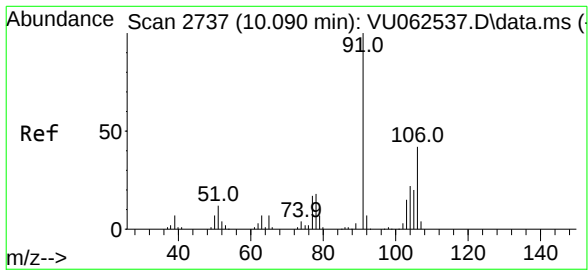
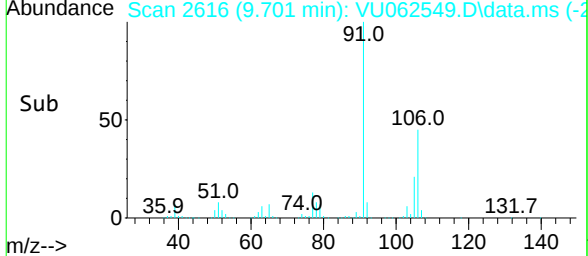
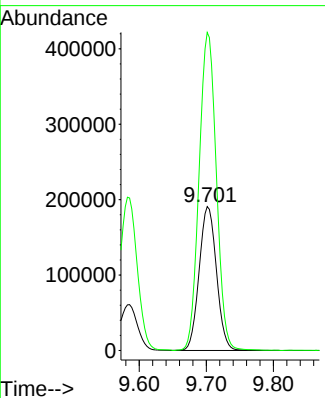
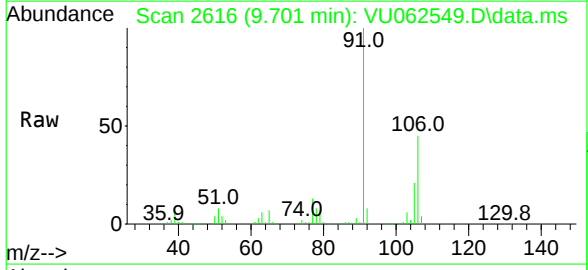
#53
m,p-Xylene
Concen: 21.592 ug/L
RT: 9.701 min Scan# 2611
Delta R.T. 0.016 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Instrument :
MSVOA_U
ClientSampleId :
C0CE8

Tgt Ion:106 Resp: 341856
Ion Ratio Lower Upper
106 100
91 221.0 147.6 274.0

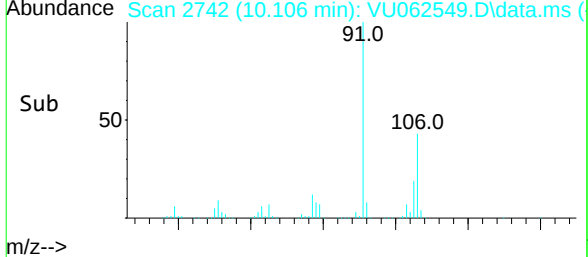
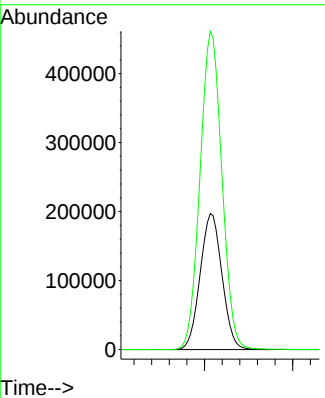
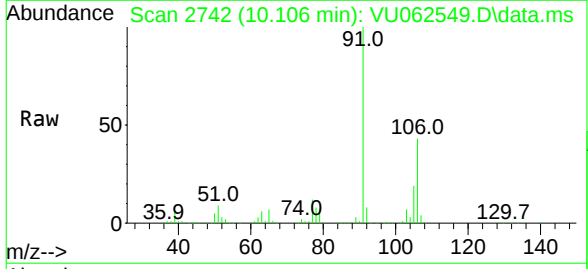
Manual Integrations
APPROVED

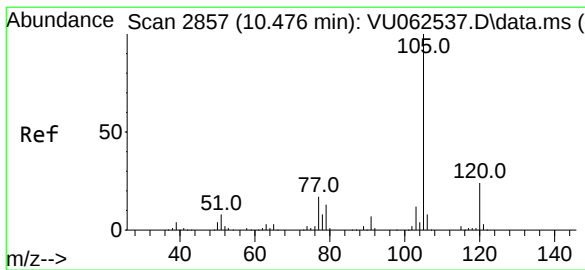
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#54
o-Xylene
Concen: 22.018 ug/L
RT: 10.106 min Scan# 2742
Delta R.T. 0.016 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Tgt Ion:106 Resp: 339036
Ion Ratio Lower Upper
106 100
91 233.9 159.8 296.8





#60

Isopropylbenzene

Concen: 1.520 ug/L

RT: 10.489 min Scan# 28

Delta R.T. 0.013 min

Lab File: VU062549.D

Acq: 21 Dec 2024 02:56

Instrument :

MSVOA_U

ClientSampleId :

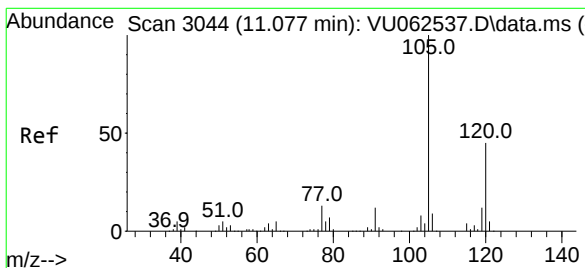
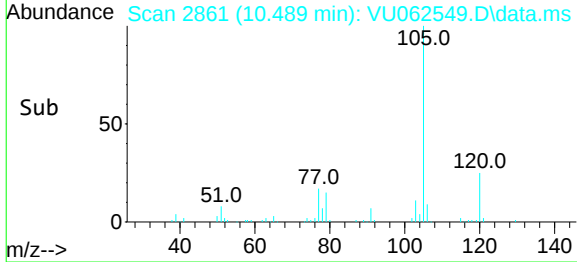
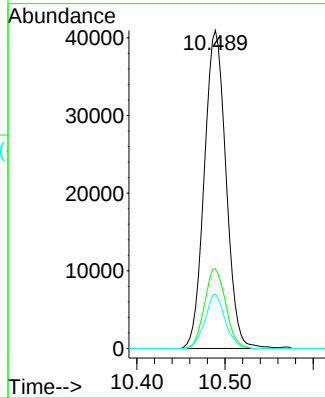
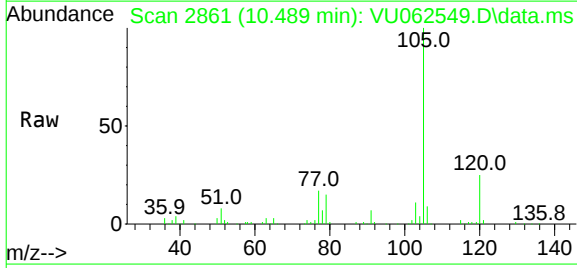
C0CE8

Tgt	Ion:105	Resp:	69987
Ion	Ratio	Lower	Upper
105	100		
120	24.5	20.6	31.0
77	15.9	13.0	19.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#62

1,3,5-Trimethylbenzene

Concen: 1.922 ug/L

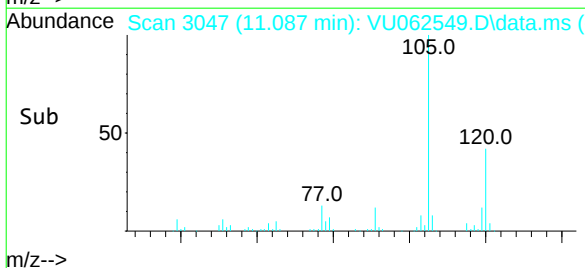
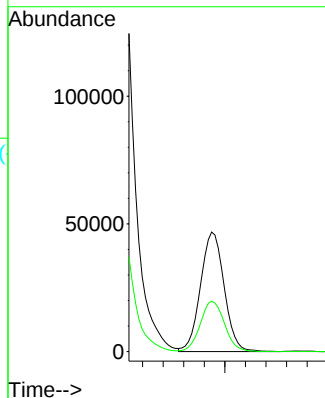
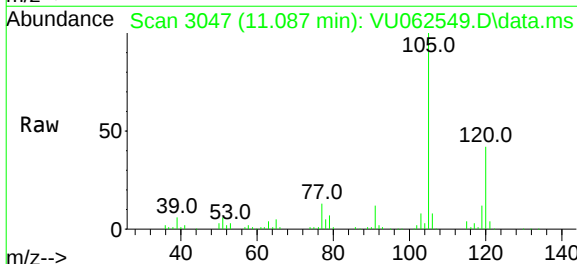
RT: 11.087 min Scan# 3047

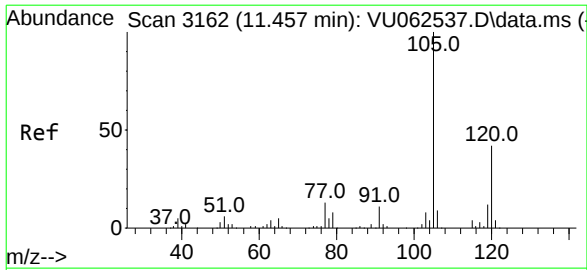
Delta R.T. 0.010 min

Lab File: VU062549.D

Acq: 21 Dec 2024 02:56

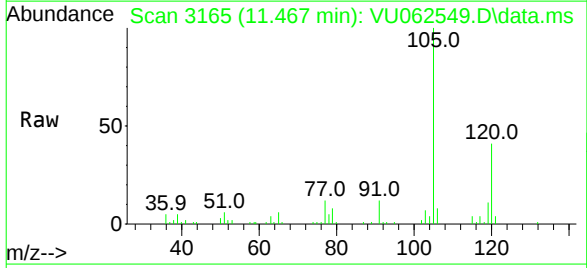
Tgt	Ion:105	Resp:	74875
Ion	Ratio	Lower	Upper
105	100		
120	43.1	36.7	55.1





#63
1,2,4-Trimethylbenzene
Concen: 0.748 ug/L
RT: 11.467 min Scan# 31
Delta R.T. 0.010 min
Lab File: VU062549.D
Acq: 21 Dec 2024 02:56

Instrument :
MSVOA_U
ClientSampleId :
C0CE8



Tgt Ion:105 Resp: 28568
Ion Ratio Lower Upper
105 100
120 42.4 34.7 52.1

Manual Integrations
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Supervised By :Mahesh Dadoda 12/24/2024

