

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122024\
 Data File : VU062552.D
 Acq On : 21 Dec 2024 04:09
 Operator : MD/SY
 Sample : P5344-09
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CG6

Manual Integrations APPROVED

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

Quant Time: Dec 21 04:26:44 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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.258	114	121216m	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.415	117	128382	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	65749	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	25909	3.169	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	63.400%		
7) Chloroethane-d5	1.907	69	22093	3.799	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	76.000%		
11) 1,1-Dichloroethene-d2	2.557	65	13545	3.482	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	69.600%		
20) 2-Butanone-d5	4.644	46	61701m	39.377	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery =	78.760%		
24) Chloroform-d	5.055	84	68754	3.885	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	77.800%		
26) 1,2-Dichloroethane-d4	5.705	65	38495	4.424	ug/L	0.01
Spiked Amount 5.000	Range 70 - 130		Recovery =	88.400%		
32) Benzene-d6	5.737	84	121900	3.297	ug/L	0.02
Spiked Amount 5.000	Range 70 - 125		Recovery =	66.000%#		
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	7.904	98	134901	3.862	ug/L	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery =	77.200%		
43) trans-1,3-Dichloroprop...	8.184	79	18981	4.076	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	81.600%		
46) 2-Hexanone-d5	8.634	63	49722	35.391	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	70.780%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	31570	3.835	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	76.600%		
66) 1,2-Dichlorobenzene-d4	12.187	152	49770	4.108	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	82.200%		
Target Compounds					Qvalue	
5) Vinyl chloride	1.599	62	5405	0.583	ug/L	99
9) Trichlorofluoromethane	2.132	101	11140609	692.671	ug/L	98
12) 1,1-Dichloroethene	2.570	96	47005	5.743	ug/L	94
13) Acetone	2.653	43	5001	4.687	ug/L	87
16) Methylene chloride	3.036	84	57054	6.641	ug/L	88
18) trans-1,2-Dichloroethene	3.345	96	36990	4.399	ug/L	91
22) cis-1,2-Dichloroethene	4.653	96	482630	51.204	ug/L	94
25) Chloroform	5.078	83	76939	4.431	ug/L	100
27) 1,2-Dichloroethane	5.795	62	22668	2.055	ug/L	97
29) 1,1,1-Trichloroethane	5.319	97	13209	0.731	ug/L	99
31) Carbon tetrachloride	5.534	117	69719	4.210	ug/L	99
34) Trichloroethene	6.541	95	116293684m	10319.055	ug/L	
42) Toluene	7.975	91	344408	8.028	ug/L	97
45) 1,1,2-Trichloroethane	8.406	97	7560	1.034	ug/L #	66
47) Tetrachloroethene	8.576	164	17238533	1981.109	ug/L	86
51) Chlorobenzene	9.444	112	150172	5.463	ug/L	99
52) Ethylbenzene	9.569	91	40462	0.841	ug/L	99
53) m,p-Xylene	9.688	106	58904	3.317	ug/L	92
54) o-Xylene	10.094	106	174936	10.129	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122024\
Data File : VU062552.D
Acq On : 21 Dec 2024 04:09
Operator : MD/SY
Sample : P5344-09
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CG6

Manual Integrations
APPROVED

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

Quant Time: Dec 21 04:26:44 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.479	105	28067	0.591	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	37506	0.933	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	125798	3.194	ug/L	98

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

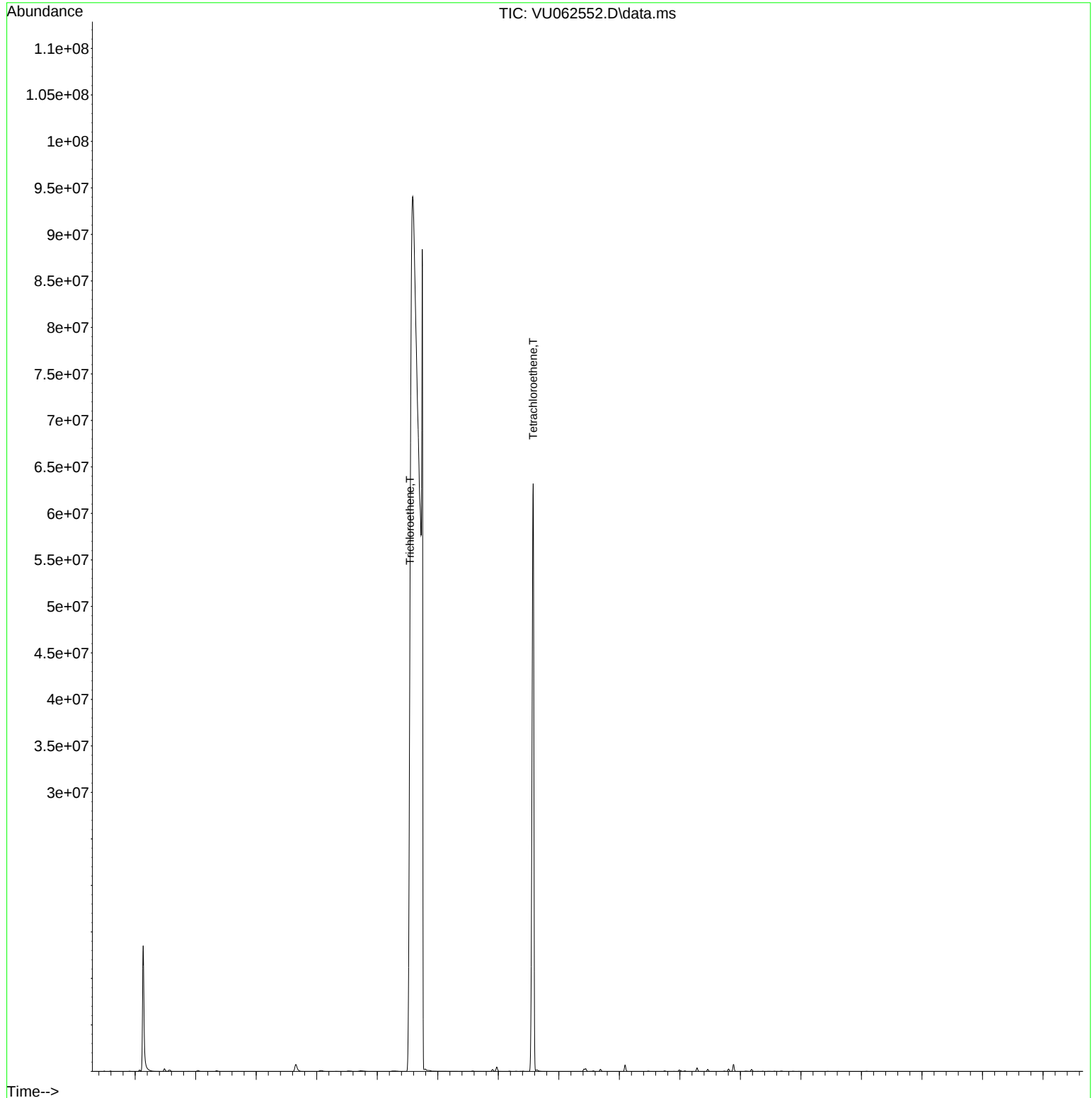
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122024\
Data File : VU062552.D
Acq On : 21 Dec 2024 04:09
Operator : MD/SY
Sample : P5344-09
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CG6

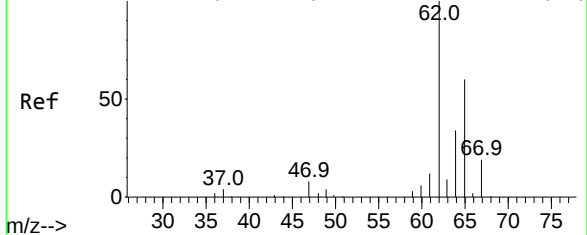
Manual Integrations
APPROVED

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

Quant Time: Dec 21 04:26:44 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



Abundance Scan 96 (1.599 min): VU062537.D\data.ms (-88)



#5

Vinyl chloride

Concen: 0.583 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU062552.D

Acq: 21 Dec 2024 04:09

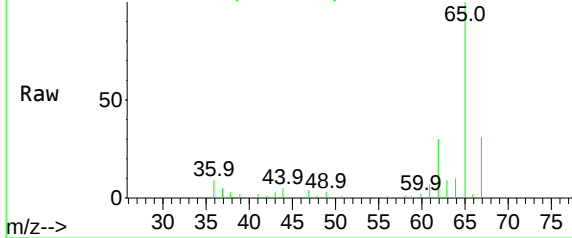
Instrument :

MSVOA_U

ClientSampleId :

C0CG6

Abundance Scan 96 (1.599 min): VU062552.D\data.ms



Tgt Ion: 62 Resp: 5405

Ion Ratio Lower Upper

62 100

64 33.6 23.1 42.9

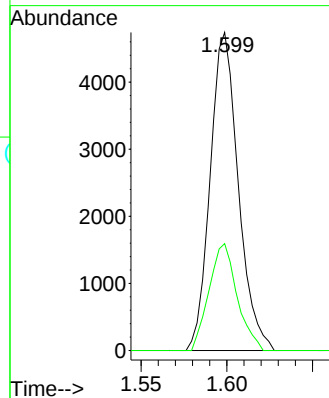
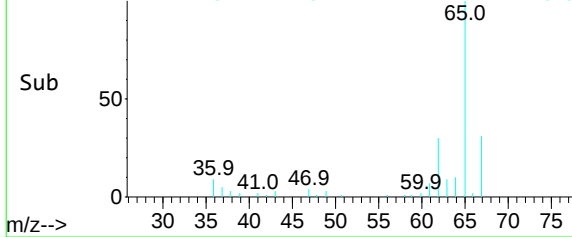
Manual Integrations

APPROVED

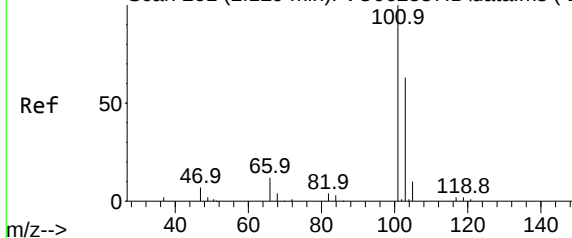
Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/24/2024

Abundance Scan 96 (1.599 min): VU062552.D\data.ms (-3)



Abundance Scan 261 (2.129 min): VU062537.D\data.ms (-25)



#9

Trichlorofluoromethane

Concen: 692.671 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.003 min

Lab File: VU062552.D

Acq: 21 Dec 2024 04:09

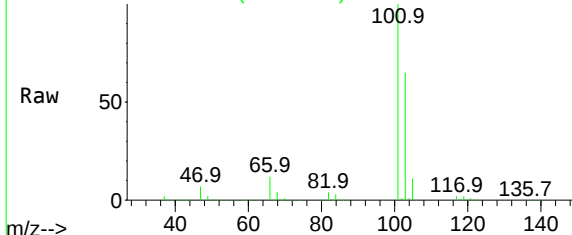
Tgt Ion:101 Resp:11140609

Ion Ratio Lower Upper

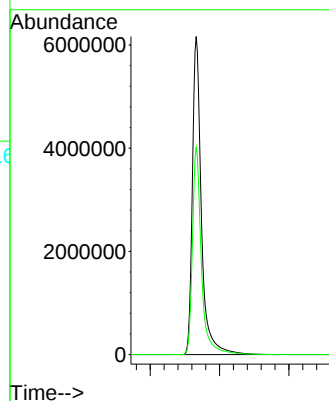
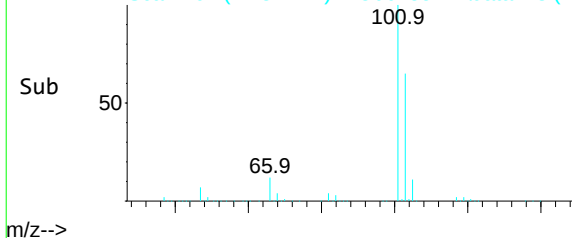
101 100

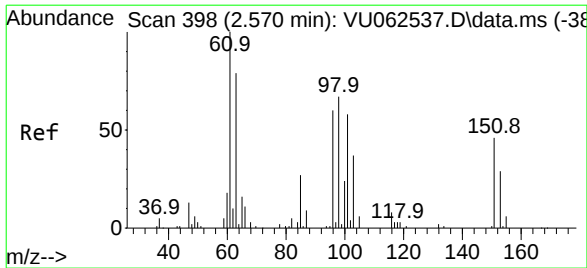
103 64.9 50.6 75.8

Abundance Scan 262 (2.132 min): VU062552.D\data.ms



Abundance Scan 262 (2.132 min): VU062552.D\data.ms (-16)





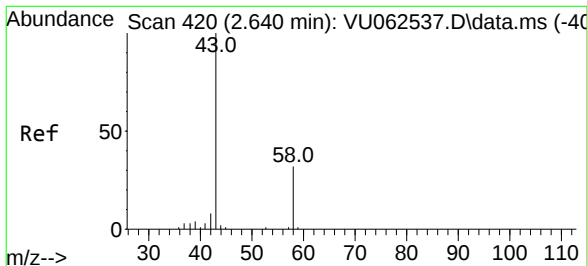
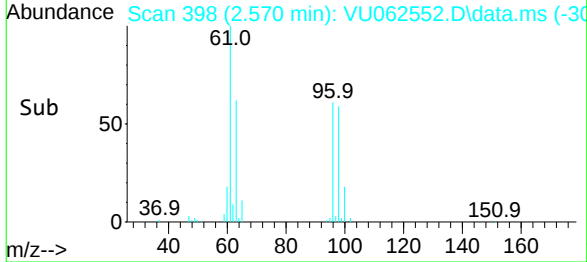
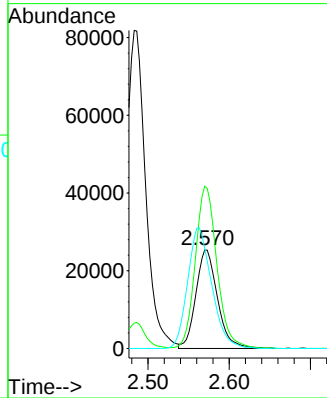
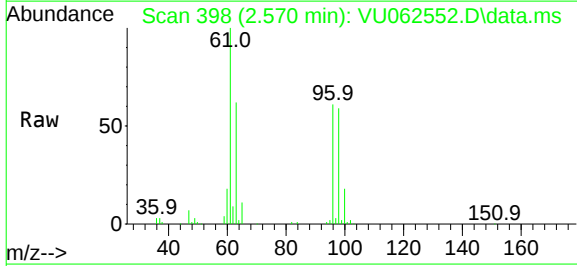
#12
1,1-Dichloroethene
Concen: 5.743 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.000 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

Instrument :
MSVOA_U
ClientSampleId :
C0CG6

Tgt Ion: 96 Resp: 47005
Ion Ratio Lower Upper
96 100
61 164.6 119.6 222.2
63 101.8 65.0 120.6

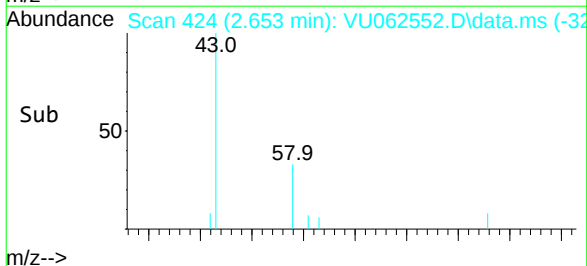
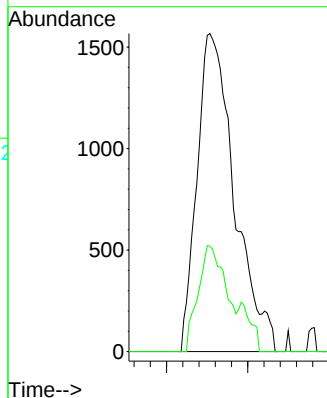
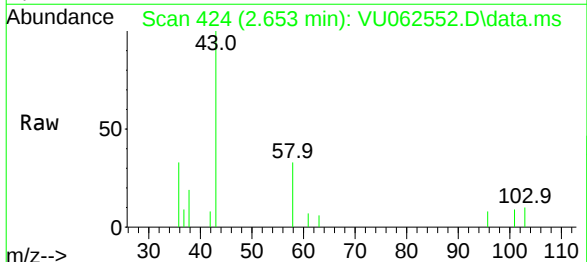
Manual Integrations
APPROVED

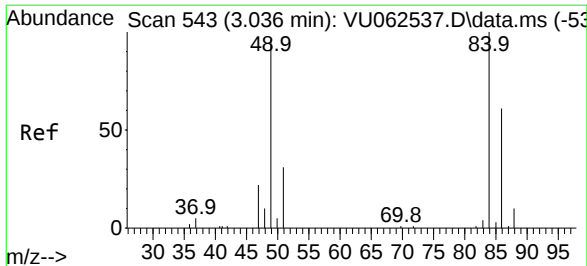
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#13
Acetone
Concen: 4.687 ug/L
RT: 2.653 min Scan# 424
Delta R.T. 0.013 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

Tgt Ion: 43 Resp: 5001
Ion Ratio Lower Upper
43 100
58 24.7 0.0 64.0





#16

Methylene chloride

Concen: 6.641 ug/L

RT: 3.036 min Scan# 54

Delta R.T. 0.000 min

Lab File: VU062552.D

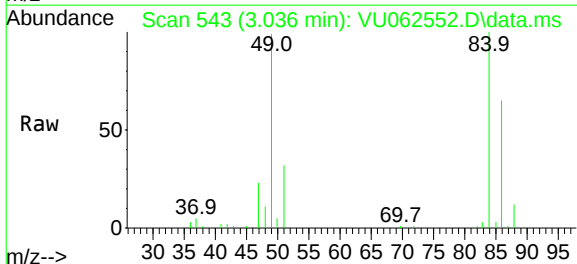
Acq: 21 Dec 2024 04:09

Instrument :

MSVOA_U

ClientSampleId :

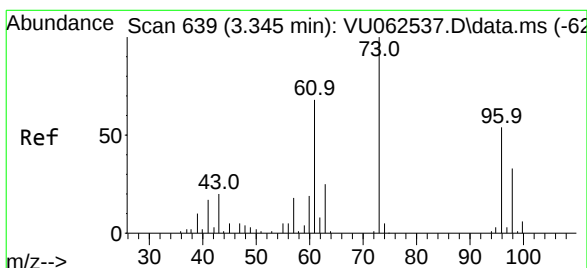
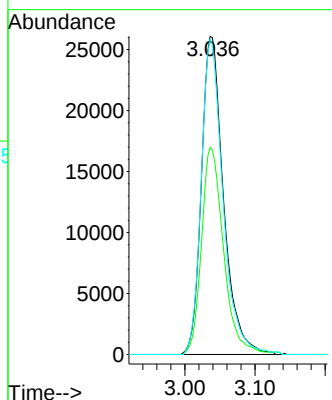
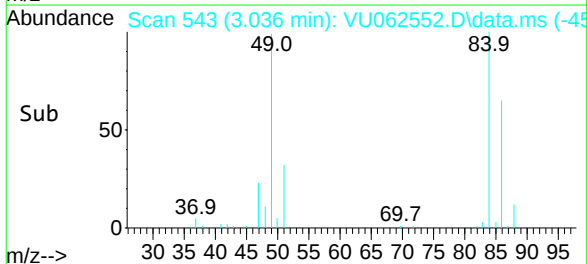
C0CG6



Tgt Ion:	84	Resp:	57054
Ion	Ratio	Lower	Upper
84	100		
86	65.1	43.5	80.7
49	99.1	81.9	152.1

Manual Integrations
APPROVED

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



#18

trans-1,2-Dichloroethene

Concen: 4.399 ug/L

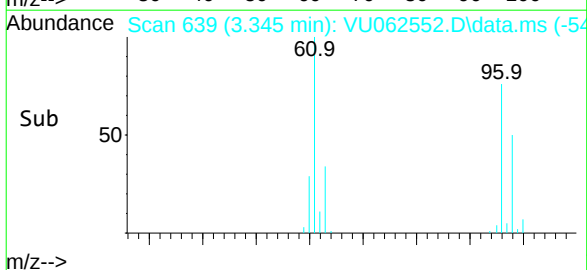
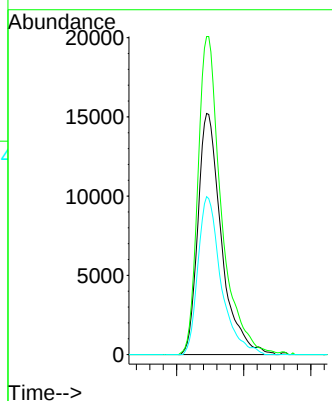
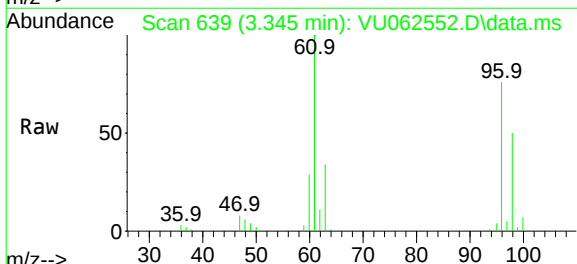
RT: 3.345 min Scan# 639

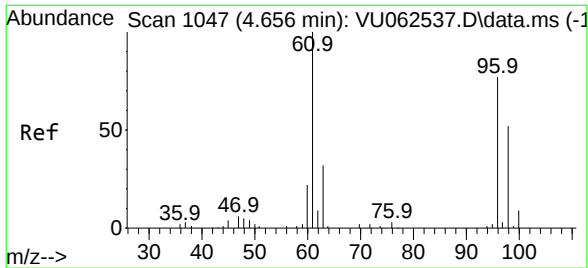
Delta R.T. 0.000 min

Lab File: VU062552.D

Acq: 21 Dec 2024 04:09

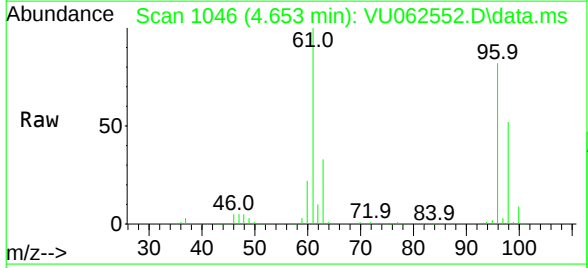
Tgt Ion:	96	Resp:	36990
Ion	Ratio	Lower	Upper
96	100		
61	131.9	104.2	193.4
98	65.5	45.7	84.9





#22
cis-1,2-Dichloroethene
Concen: 51.204 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

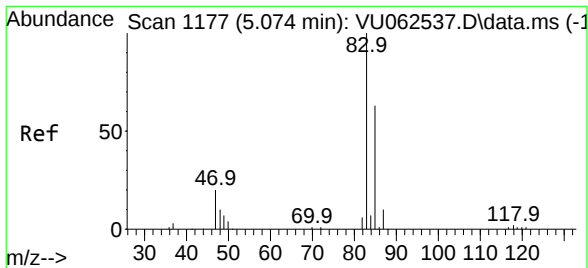
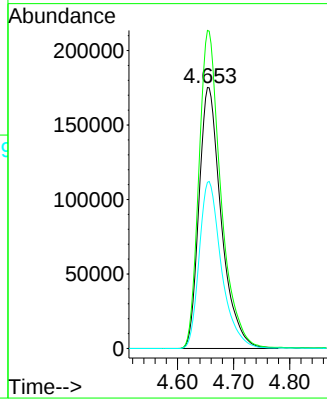
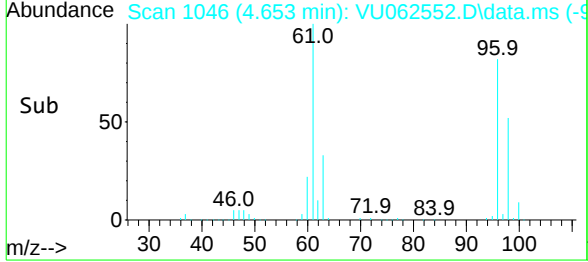
Instrument :
MSVOA_U
ClientSampleId :
C0CG6



Tgt Ion: 96 Resp: 482630
Ion Ratio Lower Upper
96 100
61 121.8 92.0 170.8
98 63.7 44.5 82.7

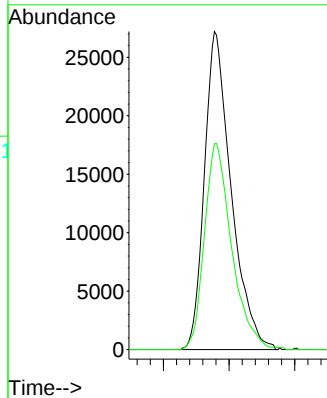
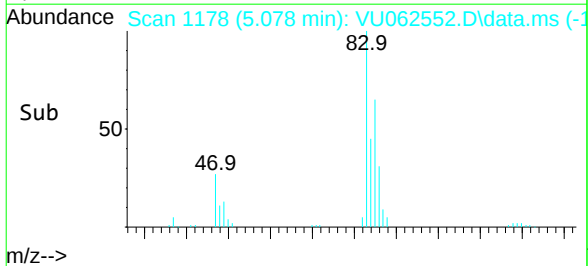
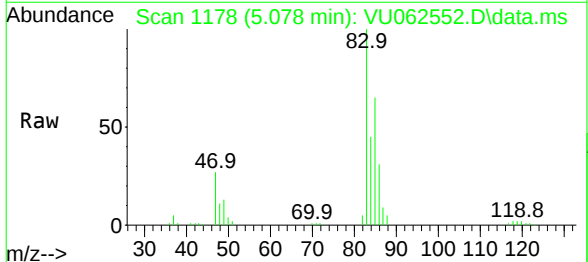
Manual Integrations
APPROVED

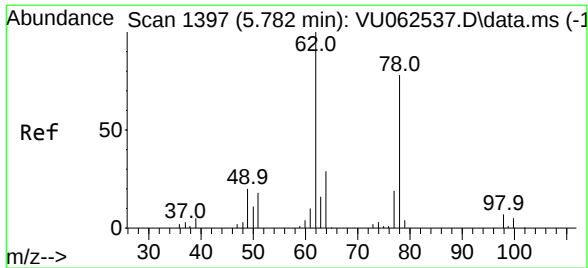
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#25
Chloroform
Concen: 4.431 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

Tgt Ion: 83 Resp: 76939
Ion Ratio Lower Upper
83 100
85 64.7 45.4 84.2





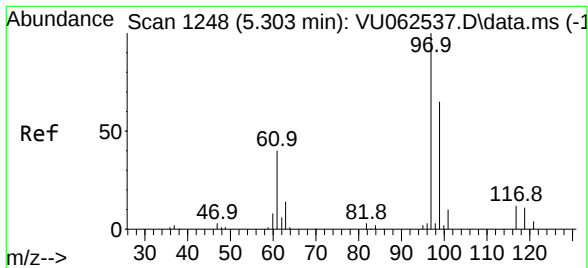
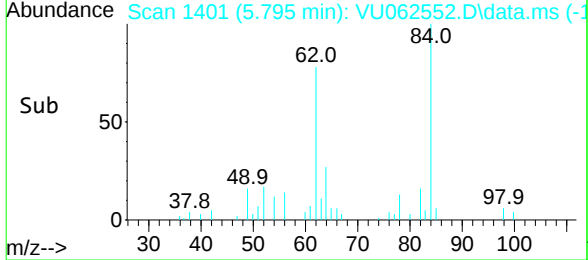
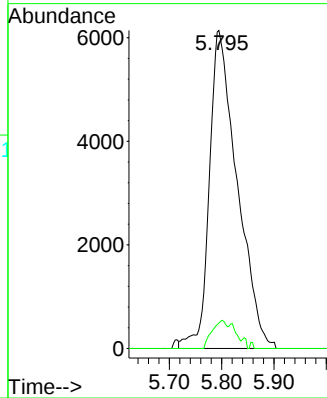
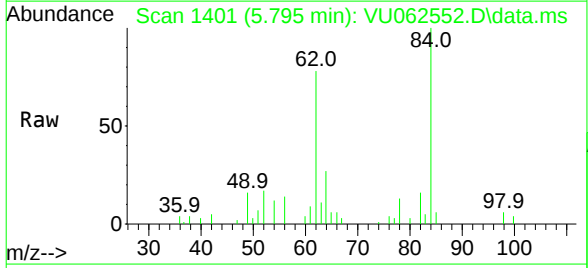
#27
1,2-Dichloroethane
Concen: 2.055 ug/L
RT: 5.795 min Scan# 141
Delta R.T. 0.013 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

Instrument :
MSVOA_U
ClientSampleId :
C0CG6

Tgt Ion: 62 Resp: 22668
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.0

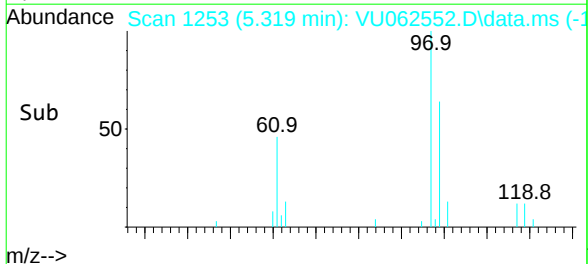
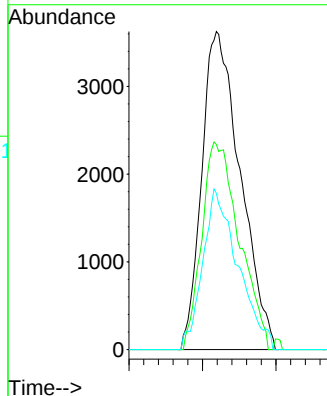
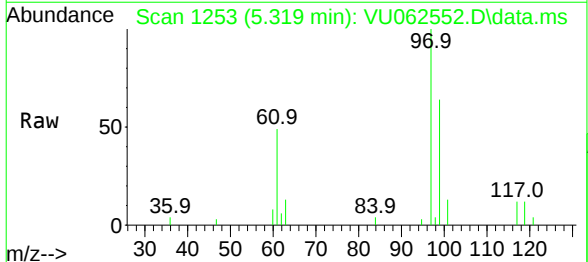
Manual Integrations
APPROVED

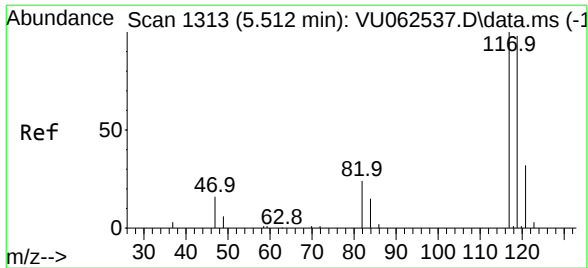
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#29
1,1,1-Trichloroethane
Concen: 0.731 ug/L
RT: 5.319 min Scan# 1253
Delta R.T. 0.016 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

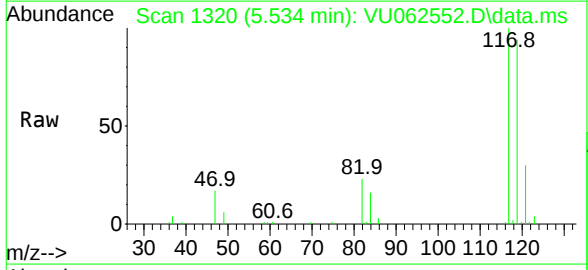
Tgt Ion: 97 Resp: 13209
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.2
61 46.1 37.8 56.6





#31
Carbon tetrachloride
Concen: 4.210 ug/L
RT: 5.534 min Scan# 1313
Delta R.T. 0.023 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

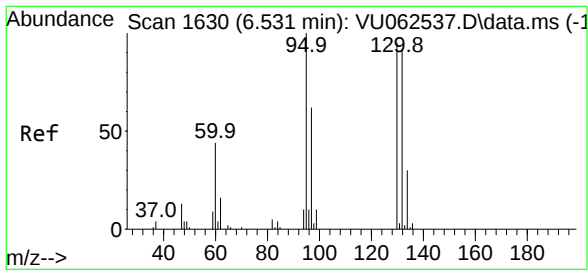
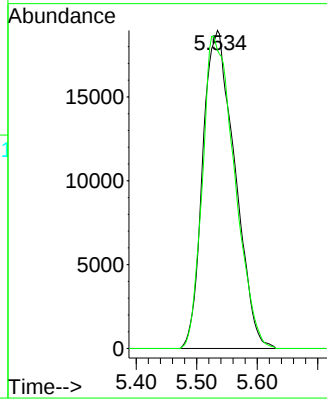
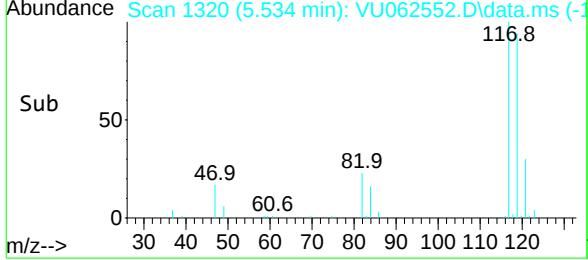
Instrument :
MSVOA_U
ClientSampleId :
C0CG6



Tgt Ion: 117 Resp: 69719
Ion Ratio Lower Upper
117 100
119 98.1 77.5 116.3

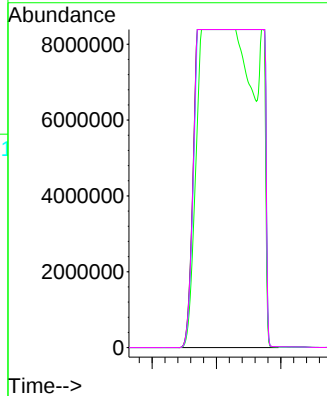
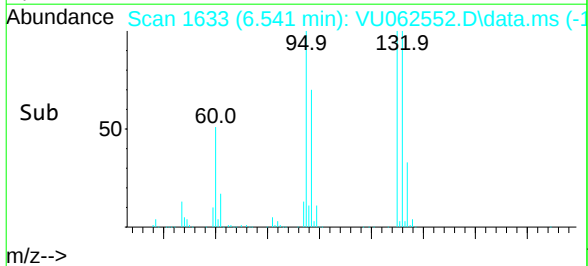
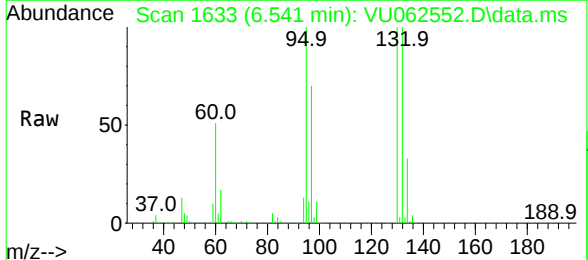
Manual Integrations
APPROVED

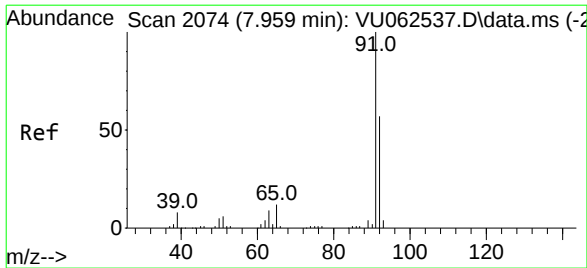
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#34
Trichloroethene
Concen: 10319.055 ug/L m
RT: 6.541 min Scan# 1633
Delta R.T. 0.010 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

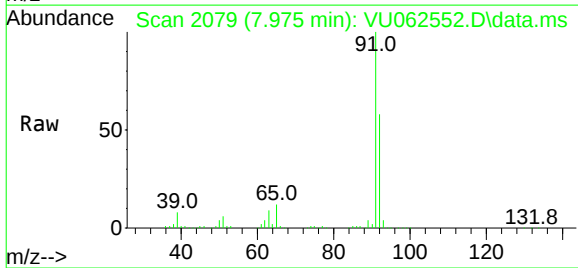
Tgt Ion: 95 Resp: 116293684
Ion Ratio Lower Upper
95 100
97 70.4 45.9 85.3
132 100.0 63.8 118.4
130 100.0 65.5 121.7





#42
Toluene
Concen: 8.028 ug/L
RT: 7.975 min Scan# 2074
Delta R.T. 0.016 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

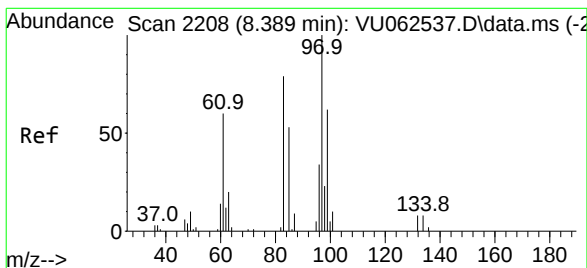
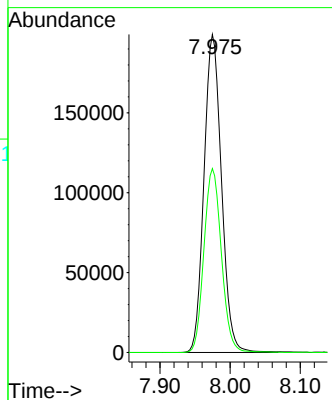
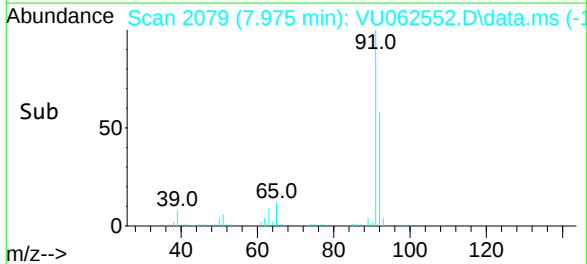
Instrument :
MSVOA_U
ClientSampleId :
C0CG6



Tgt Ion: 91 Resp: 344408
Ion Ratio Lower Upper
91 100
92 57.8 39.0 72.4

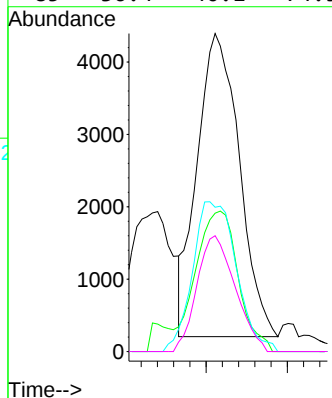
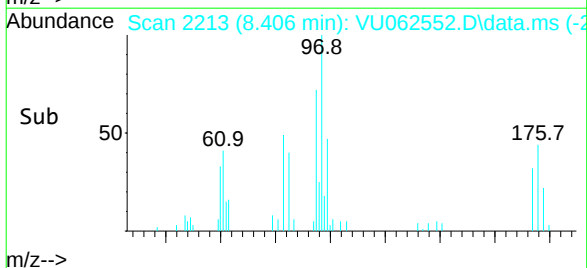
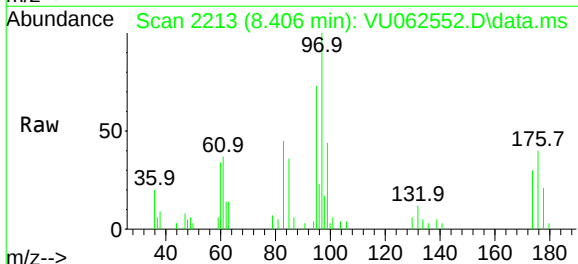
Manual Integrations
APPROVED

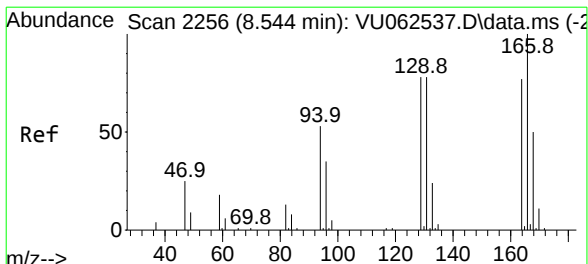
Reviewed By :Semsettin Yesilyurt 12/23/2024
Supervised By :Mahesh Dadoda 12/24/2024



#45
1,1,2-Trichloroethane
Concen: 1.034 ug/L
RT: 8.406 min Scan# 2213
Delta R.T. 0.016 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

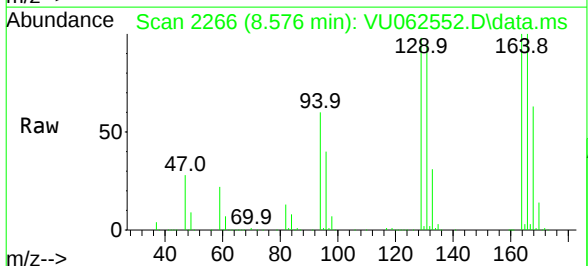
Tgt Ion: 97 Resp: 7560
Ion Ratio Lower Upper
97 100
99 43.5 43.0 79.8
83 45.4 61.7 114.5#
85 36.4 40.1 74.5#





#47
Tetrachloroethene
 Concen: 1981.109 ug/L
 RT: 8.576 min Scan# 2256
 Delta R.T. 0.032 min
 Lab File: VU062552.D
 Acq: 21 Dec 2024 04:09

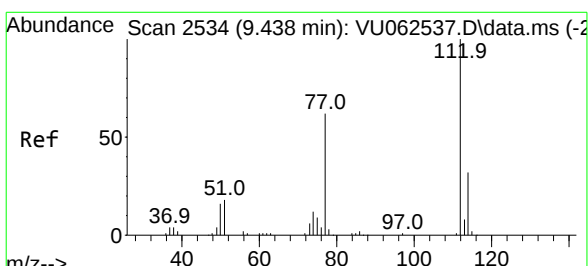
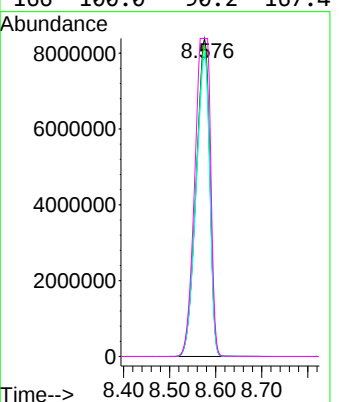
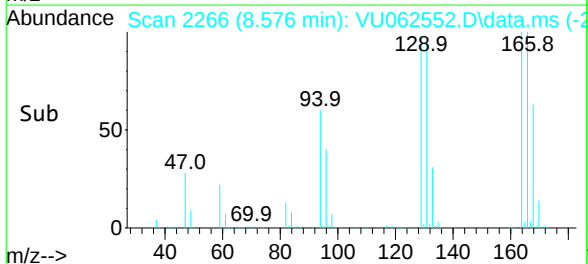
Instrument :
 MSVOA_U
ClientSampleId :
 C0CG6



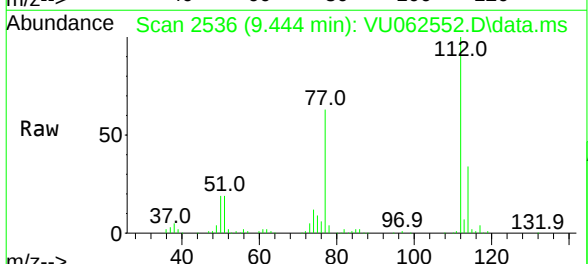
Tgt Ion:164 Resp:17238533

Ion	Ratio	Lower	Upper
164	100		
129	97.7	73.2	136.0
131	95.1	72.3	134.3
166	100.0	90.2	167.4

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

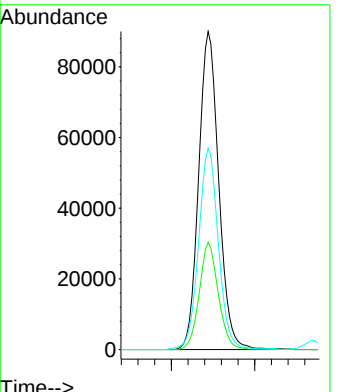
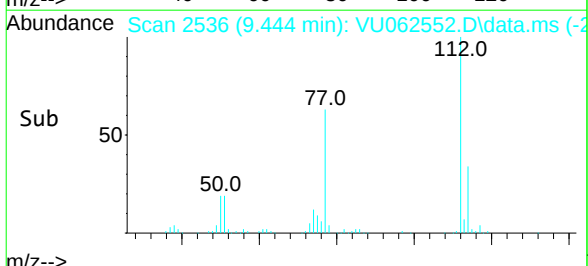


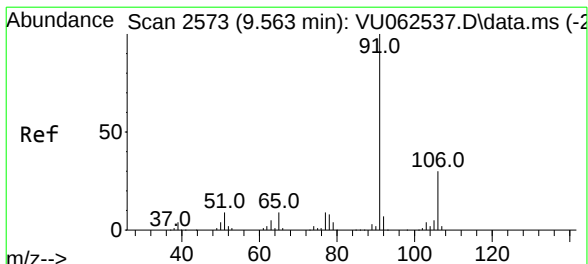
#51
Chlorobenzene
 Concen: 5.463 ug/L
 RT: 9.444 min Scan# 2536
 Delta R.T. 0.006 min
 Lab File: VU062552.D
 Acq: 21 Dec 2024 04:09



Tgt Ion:112 Resp: 150172

Ion	Ratio	Lower	Upper
112	100		
114	33.7	23.0	42.6
77	63.3	50.5	75.7





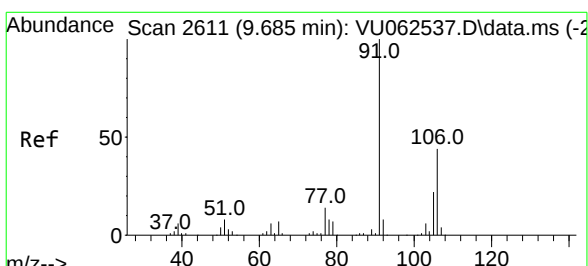
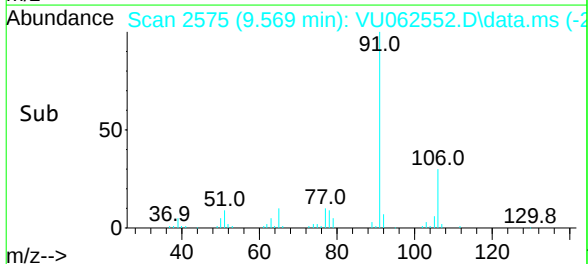
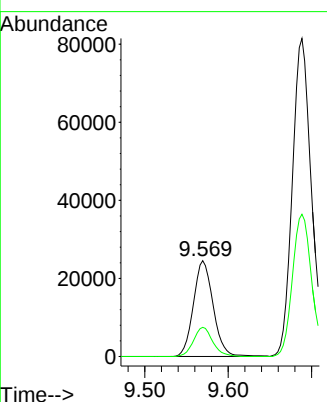
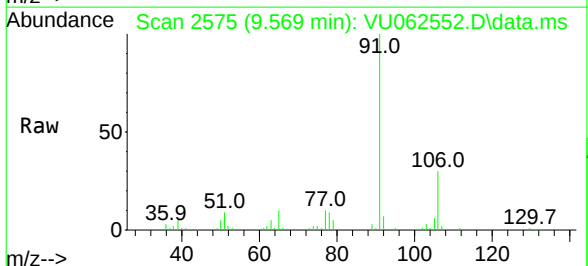
#52
 Ethylbenzene
 Concen: 0.841 ug/L
 RT: 9.569 min Scan# 2573
 Delta R.T. 0.007 min
 Lab File: VU062552.D
 Acq: 21 Dec 2024 04:09

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CG6

Tgt Ion:	91	Resp:	40462
Ion	Ratio	Lower	Upper
91	100		
106	30.4	21.6	40.0

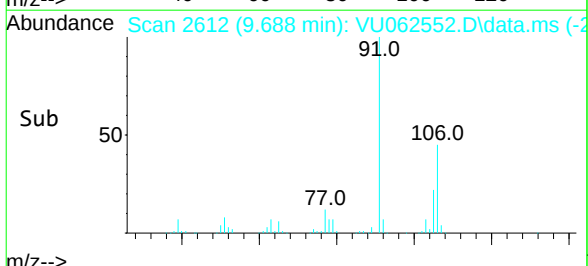
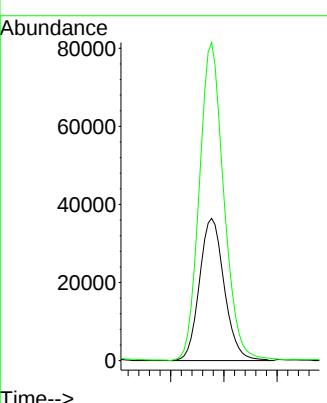
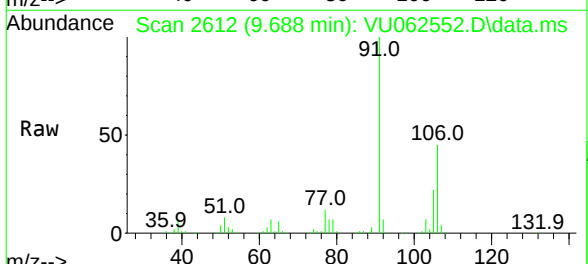
Manual Integrations
 APPROVED

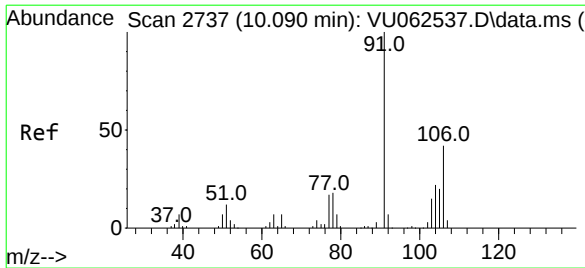
Reviewed By :Semsettin Yesilyurt 12/23/2024
 Supervised By :Mahesh Dadoda 12/24/2024



#53
 m,p-Xylene
 Concen: 3.317 ug/L
 RT: 9.688 min Scan# 2612
 Delta R.T. 0.003 min
 Lab File: VU062552.D
 Acq: 21 Dec 2024 04:09

Tgt Ion:	106	Resp:	58904
Ion	Ratio	Lower	Upper
106	100		
91	223.6	147.6	274.0





#54

o-Xylene

Concen: 10.129 ug/L

RT: 10.094 min Scan# 2737

Delta R.T. 0.003 min

Lab File: VU062552.D

Acq: 21 Dec 2024 04:09

Instrument :

MSVOA_U

ClientSampleId :

C0CG6

Tgt Ion:106 Resp: 174936

Ion Ratio Lower Upper

106 100

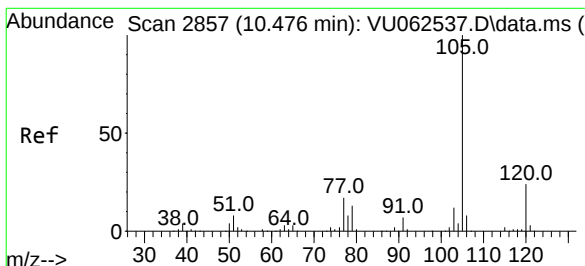
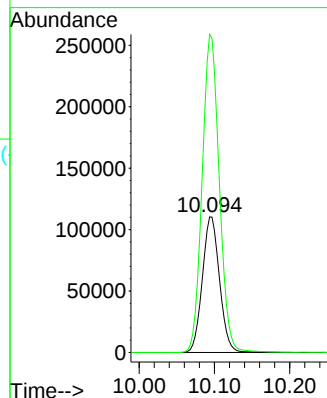
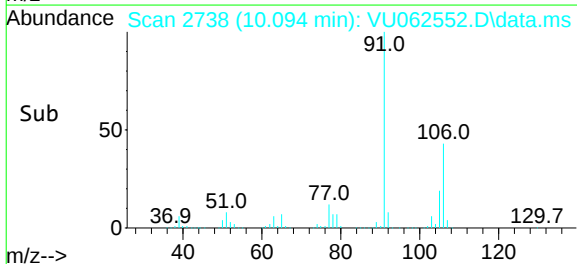
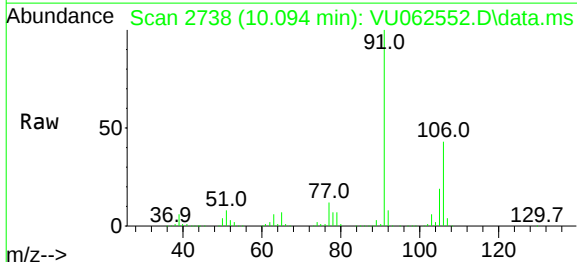
91 234.6 159.8 296.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024

Supervised By :Mahesh Dadoda 12/24/2024



#60

Isopropylbenzene

Concen: 0.591 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU062552.D

Acq: 21 Dec 2024 04:09

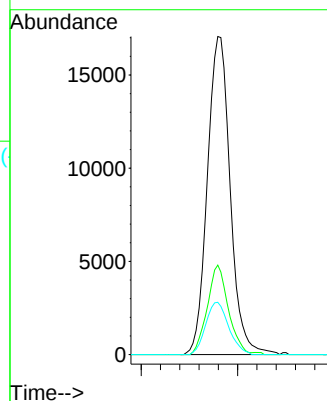
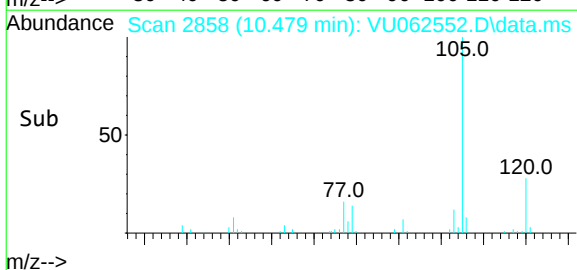
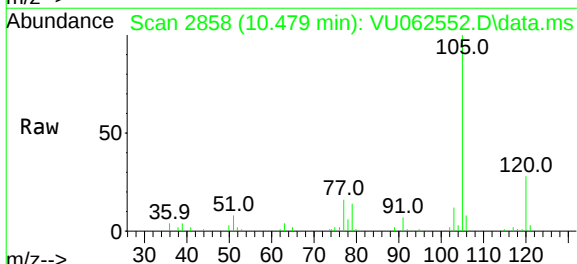
Tgt Ion:105 Resp: 28067

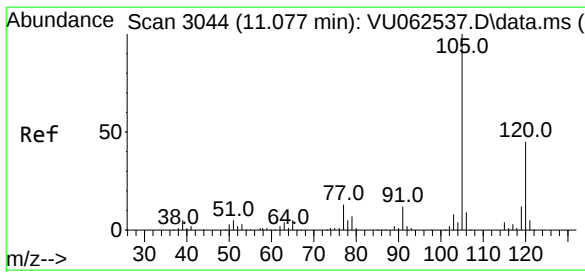
Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 16.6 13.0 19.6





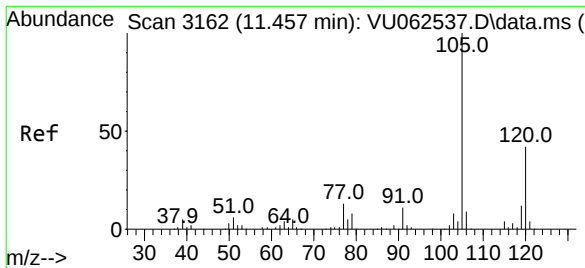
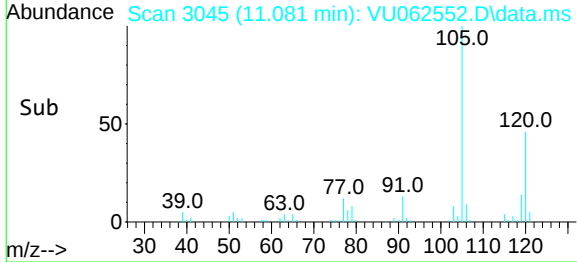
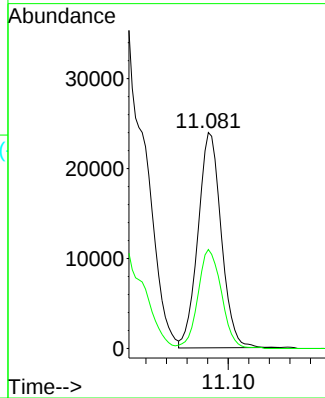
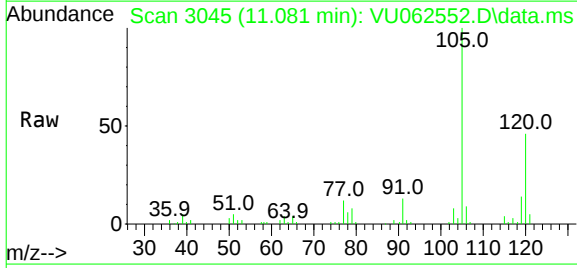
#62
1,3,5-Trimethylbenzene
Concen: 0.933 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

Instrument :
MSVOA_U
ClientSampleId :
C0CG6

Tgt Ion:105 Resp: 37506
Ion Ratio Lower Upper
105 100
120 45.4 36.7 55.1

Manual Integrations
APPROVED

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



#63
1,2,4-Trimethylbenzene
Concen: 3.194 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU062552.D
Acq: 21 Dec 2024 04:09

Tgt Ion:105 Resp: 125798
Ion Ratio Lower Upper
105 100
120 42.0 34.7 52.1

