

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121724\
 Data File : VU062411.D
 Acq On : 18 Dec 2024 01:53
 Operator : MD/SY
 Sample : P5309-05
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CF5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 06:39:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR120924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 18 01:12:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.258	114	108411m	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.418	117	112649	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	62450	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	28758	3.933	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	78.600%		
7) Chloroethane-d5	1.908	69	22637	4.352	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	87.000%		
11) 1,1-Dichloroethene-d2	2.567	65	14626	4.204	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	84.000%		
20) 2-Butanone-d5	4.647	46	77012m	54.953	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery =	109.900%		
24) Chloroform-d	5.062	84	72731	4.596	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	92.000%		
26) 1,2-Dichloroethane-d4	5.708	65	35605	4.575	ug/L	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery =	91.600%		
32) Benzene-d6	5.750	84	136582	4.210	ug/L	0.03
Spiked Amount 5.000	Range 70 - 125		Recovery =	84.200%		
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	7.914	98	144081	4.701	ug/L	0.02
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.000%		
43) trans-1,3-Dichloroprop...	8.190	79	21091	5.162	ug/L	0.02
Spiked Amount 5.000	Range 55 - 130		Recovery =	103.200%		
46) 2-Hexanone-d5	8.640	63	65415	53.064	ug/L	0.02
Spiked Amount 50.000	Range 45 - 130		Recovery =	106.120%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	37028	5.126	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	102.600%		
66) 1,2-Dichlorobenzene-d4	12.187	152	59169	5.142	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	102.800%		
Target Compounds					Qvalue	
5) Vinyl chloride	1.599	62	113873	13.740	ug/L	98
9) Trichlorofluoromethane	2.136	101	160861	11.183	ug/L	97
12) 1,1-Dichloroethene	2.576	96	165500	22.610	ug/L	86
13) Acetone	2.657	43	13394	14.037	ug/L	94
14) Carbon disulfide	2.792	76	10414	0.450	ug/L	98
16) Methylene chloride	3.039	84	2791171	363.249	ug/L	89
18) trans-1,2-Dichloroethene	3.351	96	357051	47.476	ug/L	91
19) 1,1-Dichloroethane	3.872	63	66654	4.835	ug/L	97
22) cis-1,2-Dichloroethene	4.666	96	8221087	975.235	ug/L	94
25) Chloroform	5.081	83	9994	0.644	ug/L	94
27) 1,2-Dichloroethane	5.795	62	269224	27.284	ug/L	99
33) Benzene	5.811	78	116342m	3.333	ug/L	
34) Trichloroethene	6.544	95	140385731m	14196.575	ug/L	
40) 4-Methyl-2-pentanone	7.804	43	113206	28.413	ug/L #	90
42) Toluene	7.984	91	4550829	120.893	ug/L	97
47) Tetrachloroethene	8.563	164	1631147	213.638	ug/L	96
51) Chlorobenzene	9.451	112	47258	1.959	ug/L	97
52) Ethylbenzene	9.573	91	66715	1.581	ug/L	99
53) m,p-Xylene	9.692	106	86420	5.546	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.100	106	31279	2.064	ug/L	97
60) Isopropylbenzene	10.483	105	8490	0.188	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	19189	0.503	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	57642	1.541	ug/L	97

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

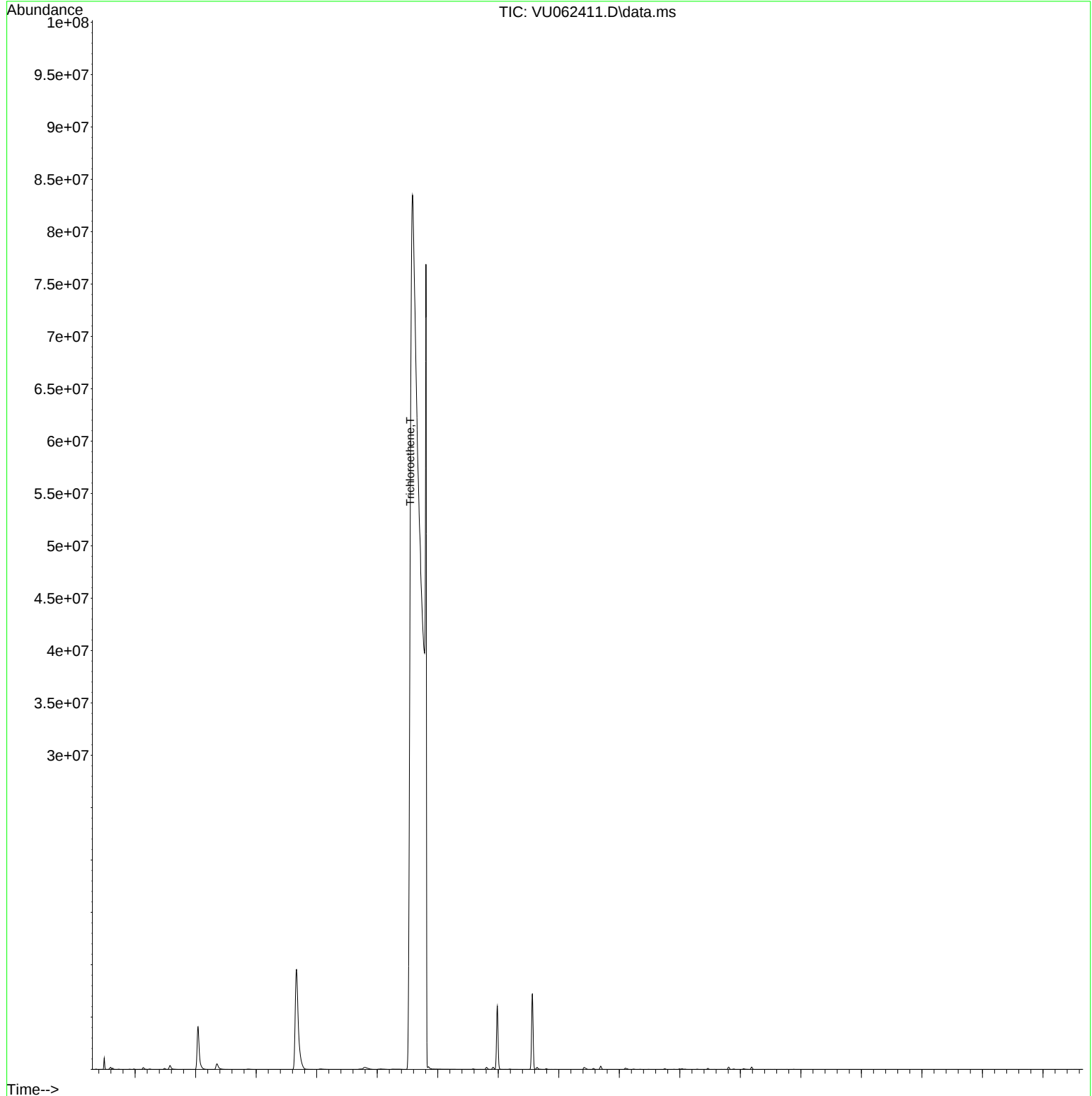
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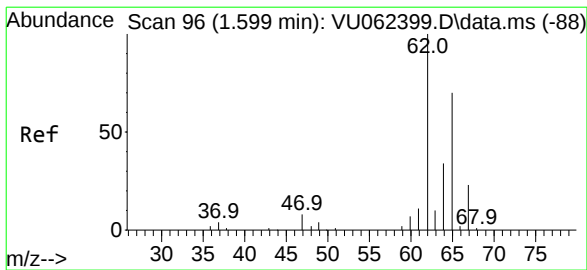
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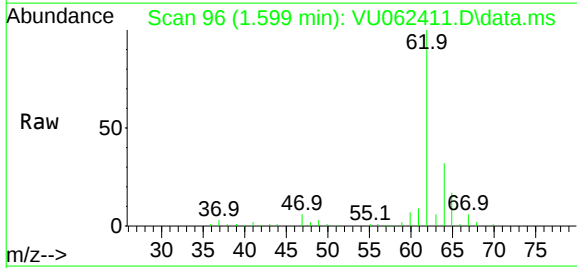
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#5
Vinyl chloride
Concen: 13.740 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

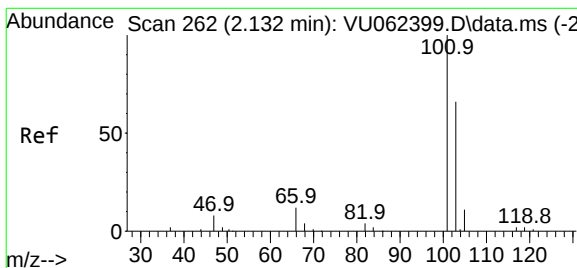
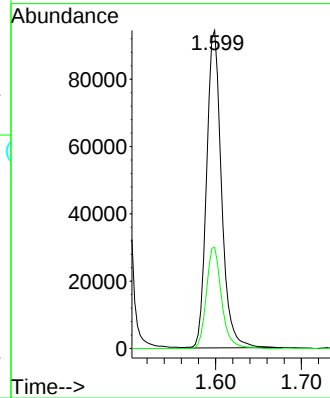
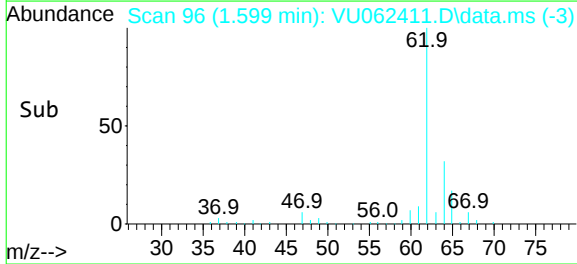
Instrument :
MSVOA_U
ClientSampleId :
C0CF5



Tgt Ion: 62 Resp: 113873
Ion Ratio Lower Upper
62 100
64 31.8 23.1 42.9

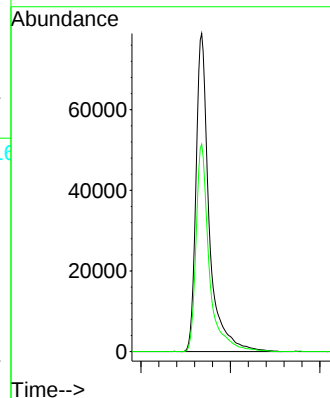
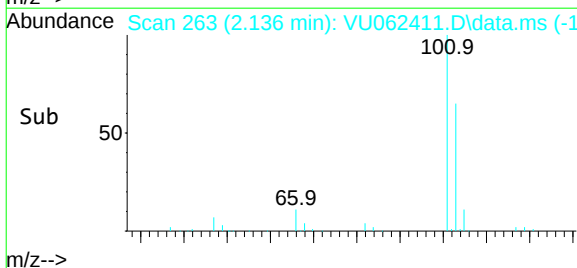
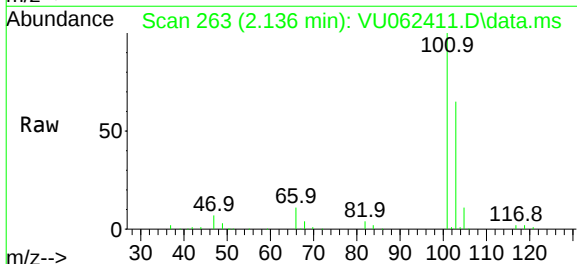
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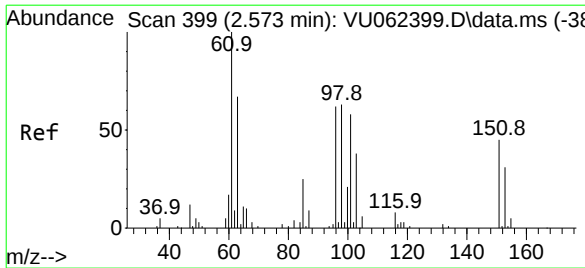
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#9
Trichlorofluoromethane
Concen: 11.183 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

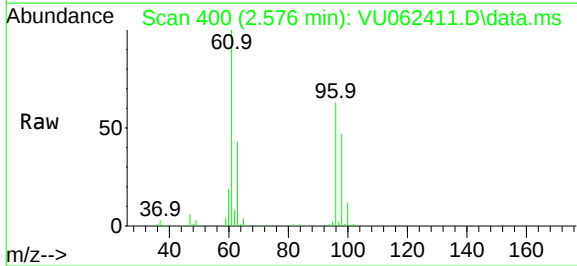
Tgt Ion:101 Resp: 160861
Ion Ratio Lower Upper
101 100
103 65.4 50.6 75.8





#12
1,1-Dichloroethene
Concen: 22.610 ug/L
RT: 2.576 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

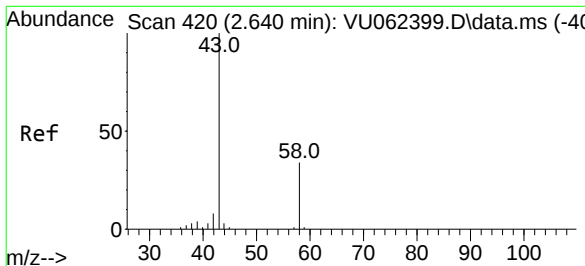
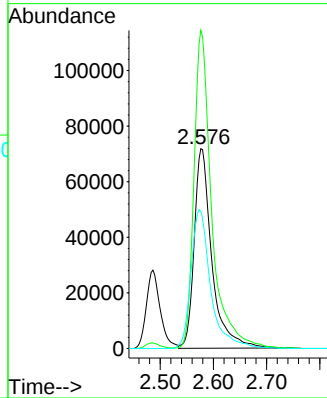
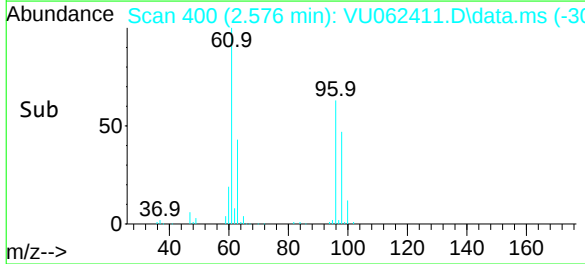
Instrument :
MSVOA_U
ClientSampleId :
C0CF5



Tgt Ion: 96 Resp: 165500
Ion Ratio Lower Upper
96 100
61 159.2 119.6 222.2
63 68.7 65.0 120.6

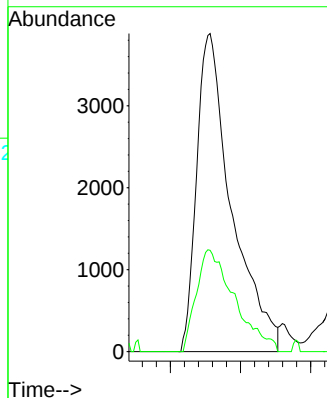
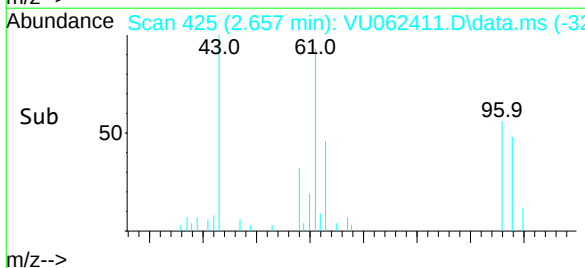
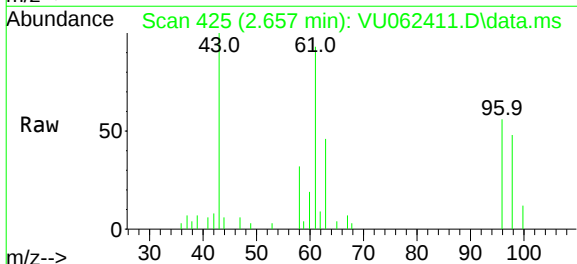
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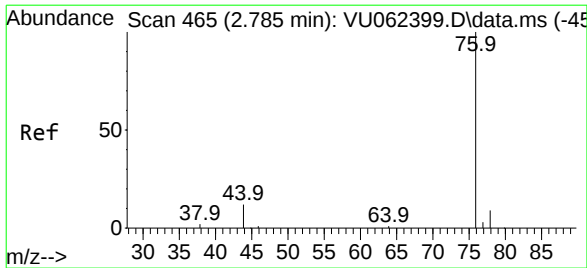
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#13
Acetone
Concen: 14.037 ug/L
RT: 2.657 min Scan# 425
Delta R.T. 0.016 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

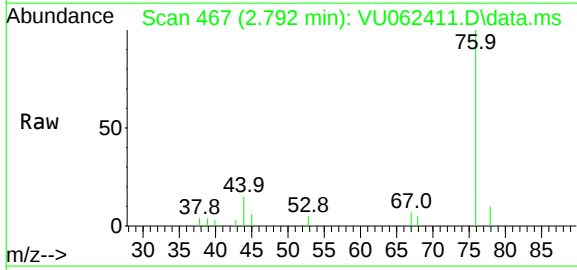
Tgt Ion: 43 Resp: 13394
Ion Ratio Lower Upper
43 100
58 35.1 0.0 64.0





#14
Carbon disulfide
Concen: 0.450 ug/L
RT: 2.792 min Scan# 465
Delta R.T. 0.007 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

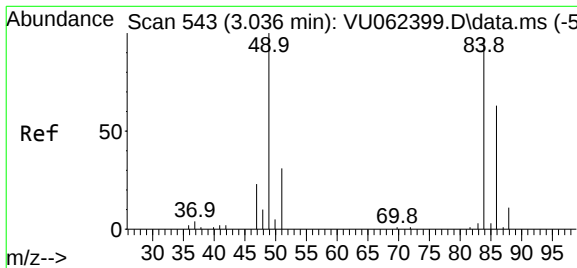
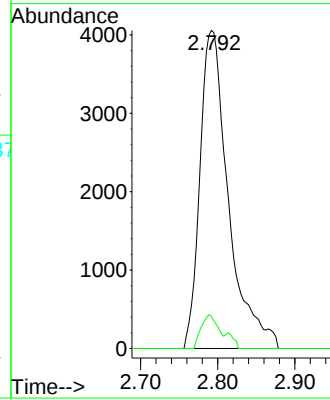
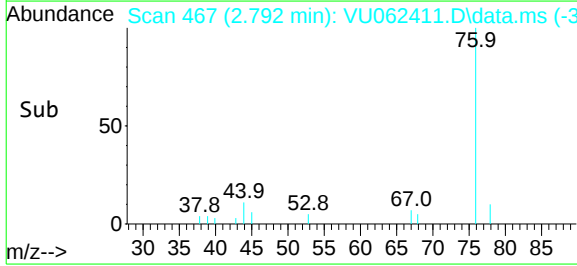
Instrument :
MSVOA_U
ClientSampleId :
C0CF5



Tgt Ion: 76 Resp: 10414
Ion Ratio Lower Upper
76 100
78 10.1 7.5 11.3

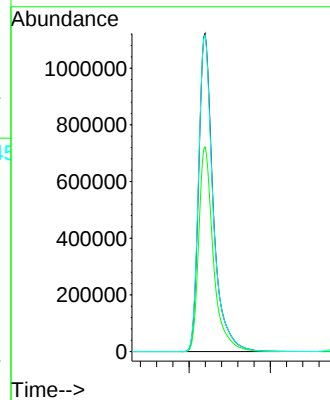
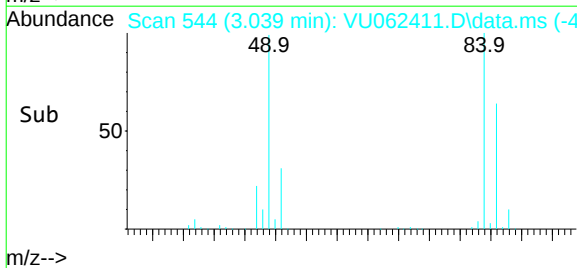
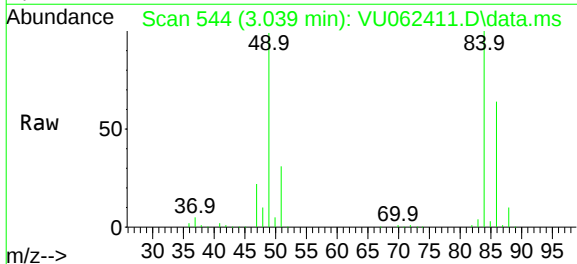
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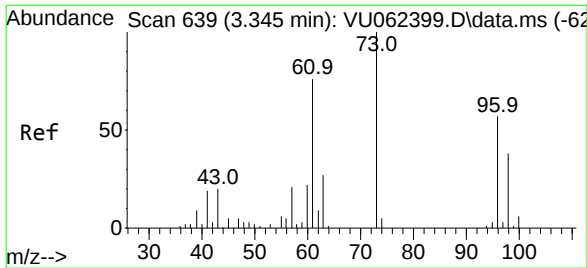
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#16
Methylene chloride
Concen: 363.249 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

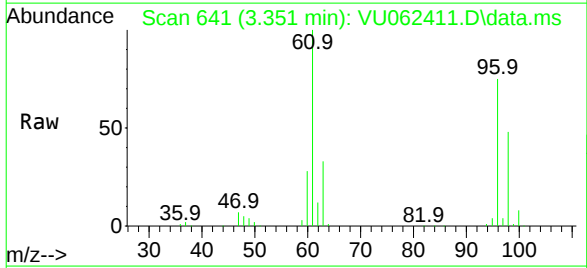
Tgt Ion: 84 Resp: 2791171
Ion Ratio Lower Upper
84 100
86 64.4 43.5 80.7
49 99.5 81.9 152.1





#18
trans-1,2-Dichloroethene
Concen: 47.476 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.007 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

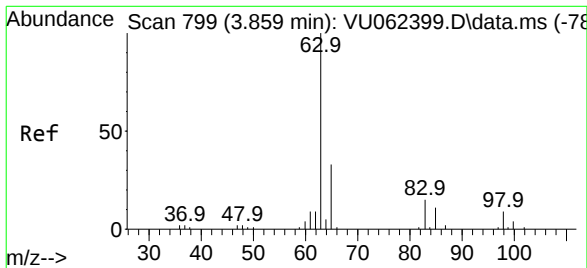
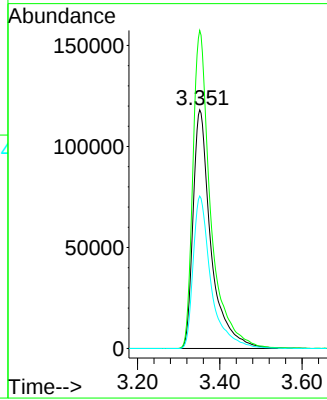
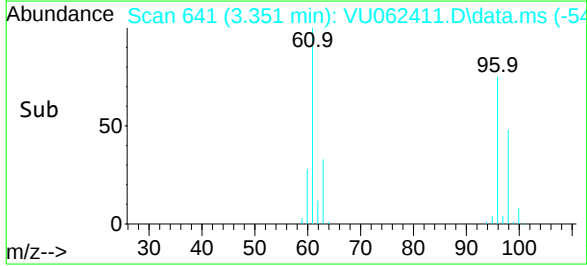
Instrument :
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ClientSampleId :
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Tgt Ion: 96 Resp: 357051
Ion Ratio Lower Upper
96 100
61 133.3 104.2 193.4
98 63.9 45.7 84.9

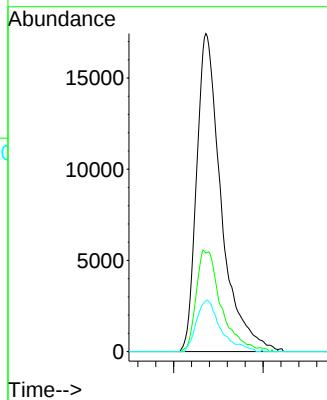
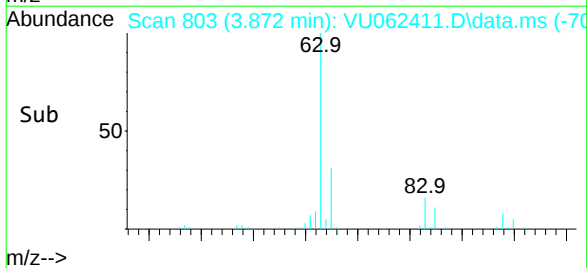
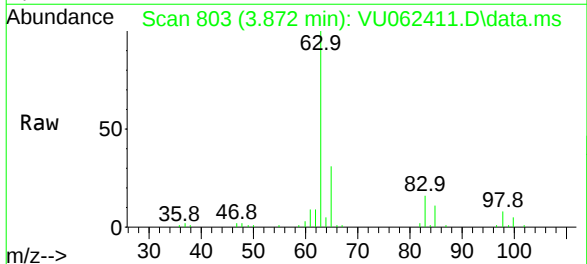
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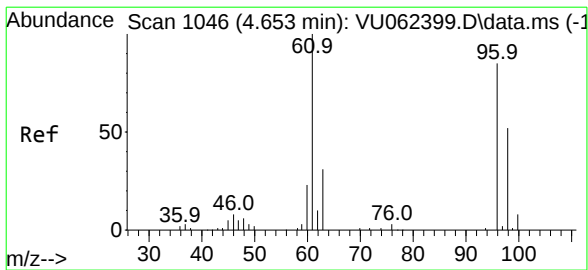
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#19
1,1-Dichloroethane
Concen: 4.835 ug/L
RT: 3.872 min Scan# 803
Delta R.T. 0.013 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

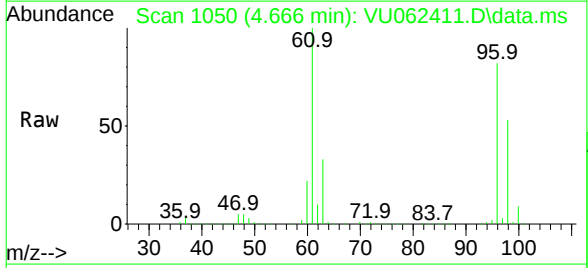
Tgt Ion: 63 Resp: 66654
Ion Ratio Lower Upper
63 100
65 30.9 22.7 42.3
83 16.0 9.9 18.3





#22
 cis-1,2-Dichloroethene
 Concen: 975.235 ug/L
 RT: 4.666 min Scan# 1050
 Delta R.T. 0.013 min
 Lab File: VU062411.D
 Acq: 18 Dec 2024 01:53

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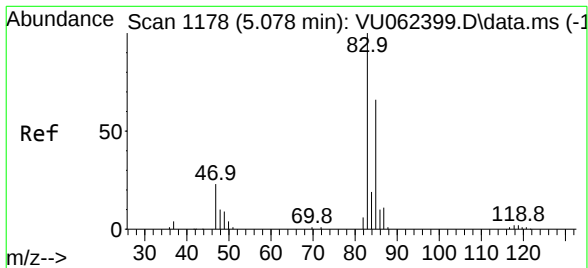
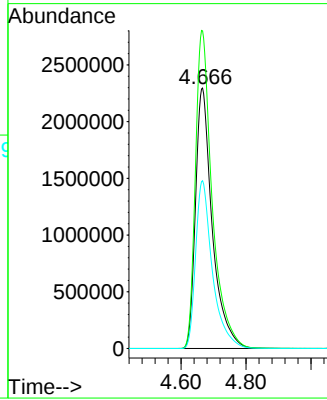
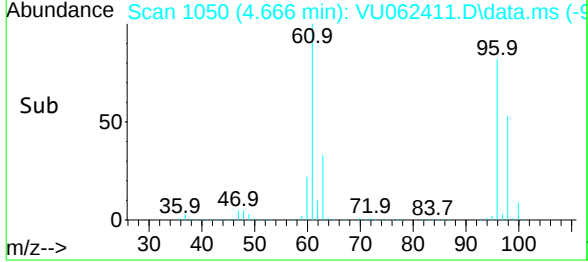


Tgt Ion: 96 Resp: 8221087

Ion	Ratio	Lower	Upper
96	100		
61	122.0	92.0	170.8
98	64.4	44.5	82.7

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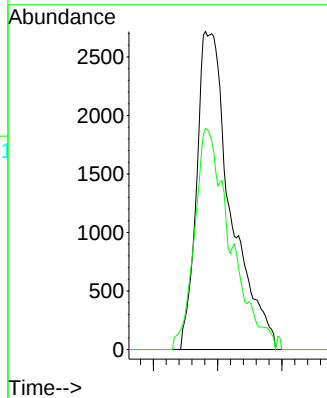
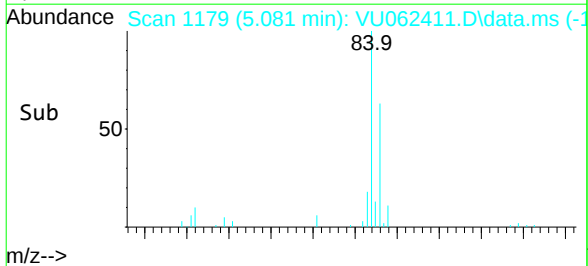
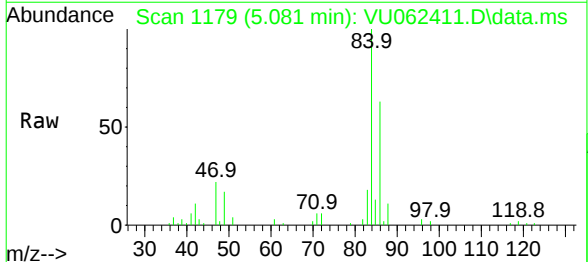
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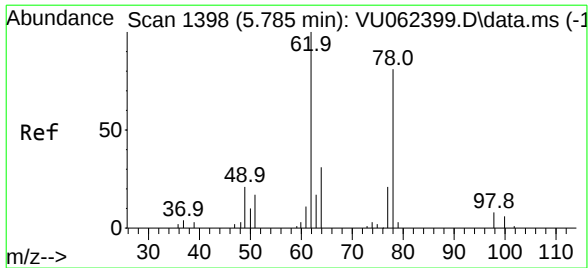


#25
 Chloroform
 Concen: 0.644 ug/L
 RT: 5.081 min Scan# 1179
 Delta R.T. 0.003 min
 Lab File: VU062411.D
 Acq: 18 Dec 2024 01:53

Tgt Ion: 83 Resp: 9994

Ion	Ratio	Lower	Upper
83	100		
85	69.5	45.4	84.2





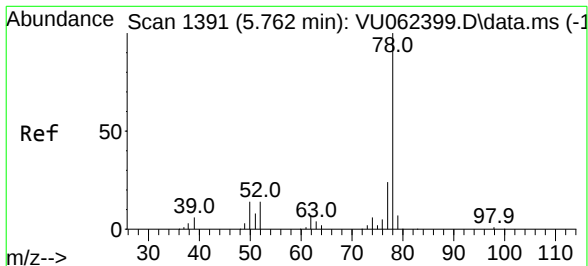
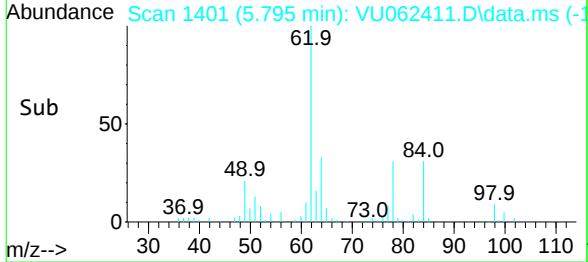
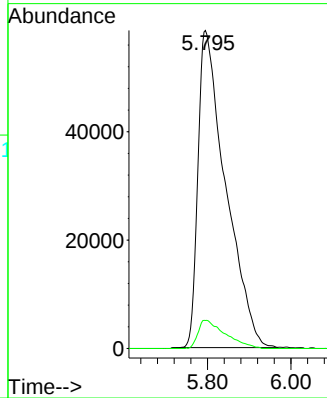
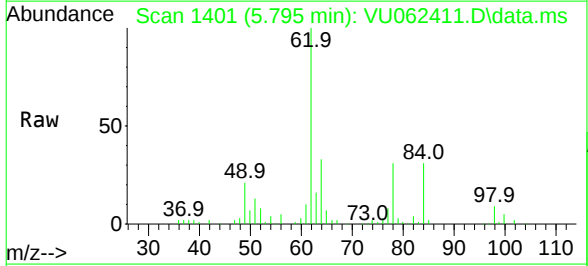
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1,2-Dichloroethane
Concen: 27.284 ug/L
RT: 5.795 min Scan# 1400
Delta R.T. 0.010 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

Instrument :
MSVOA_U
ClientSampleId :
C0CF5

Tgt Ion: 62 Resp: 269224
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0

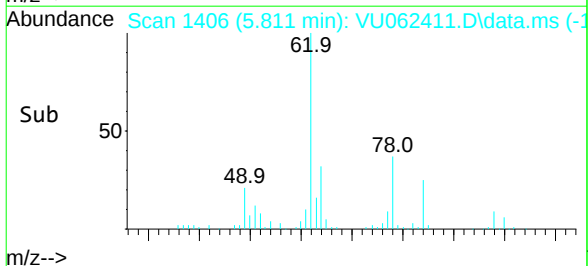
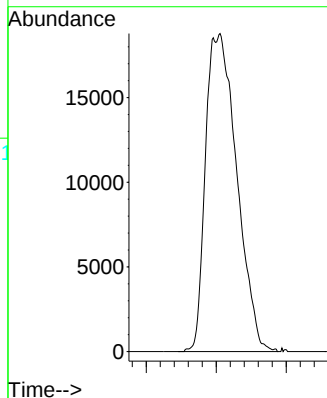
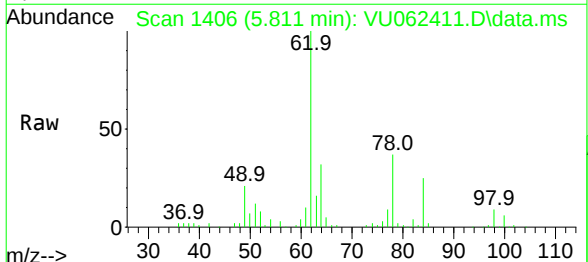
Manual Integrations
APPROVED

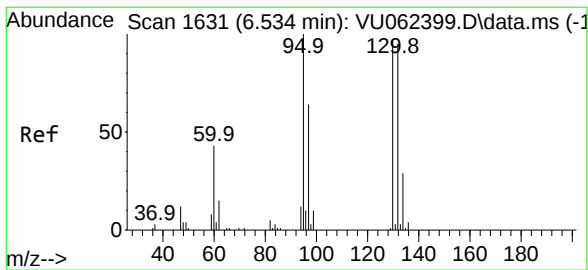
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#33
Benzene
Concen: 3.333 ug/L m
RT: 5.811 min Scan# 1406
Delta R.T. 0.048 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

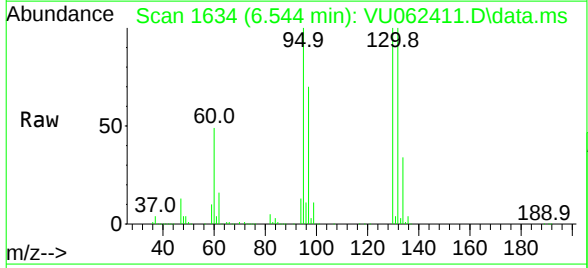
Tgt Ion: 78 Resp: 116342





#34
Trichloroethene
Concen: 14196.575 ug/L m
RT: 6.544 min Scan# 16
Delta R.T. 0.010 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

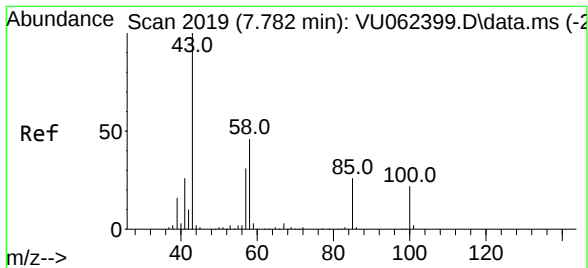
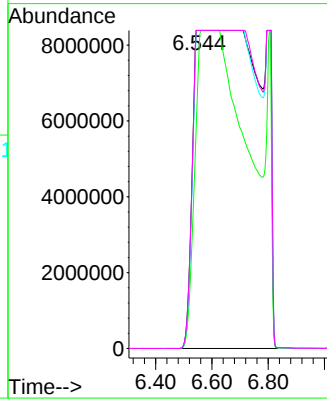
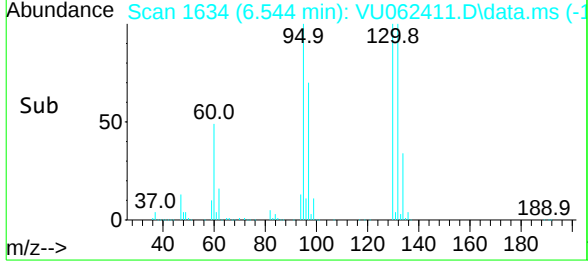
Instrument :
MSVOA_U
ClientSampleId :
C0CF5



Tgt Ion: 95 Resp:14038573
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

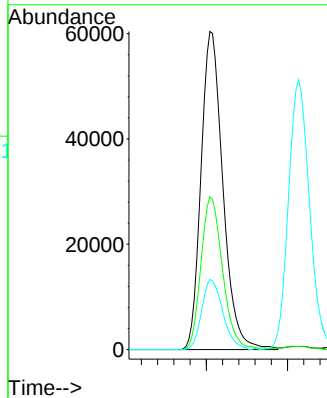
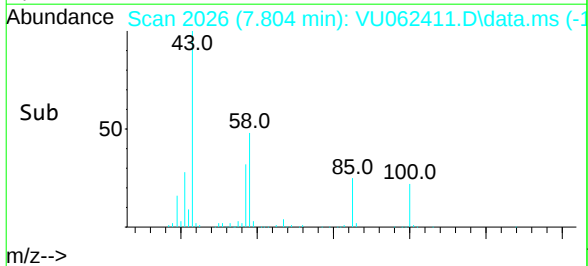
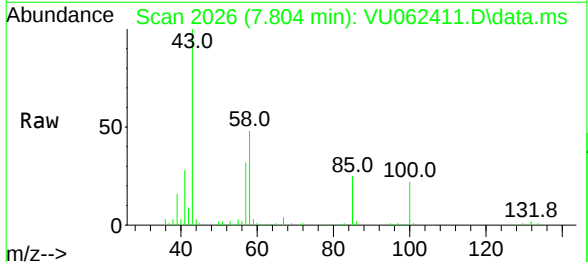
Manual Integrations
APPROVED

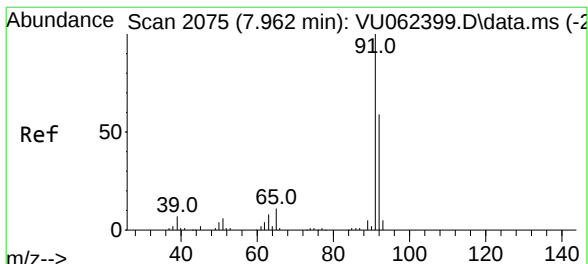
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#40
4-Methyl-2-pentanone
Concen: 28.413 ug/L
RT: 7.804 min Scan# 2026
Delta R.T. 0.023 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

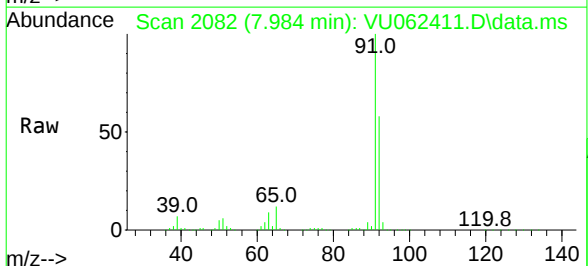
Tgt Ion: 43 Resp: 113206
Ion Ratio Lower Upper
43 100
58 47.1 33.3 49.9
100 21.2 12.4 18.6#





#42
Toluene
Concen: 120.893 ug/L
RT: 7.984 min Scan# 2075
Delta R.T. 0.023 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

Instrument :
MSVOA_U
ClientSampleId :
C0CF5

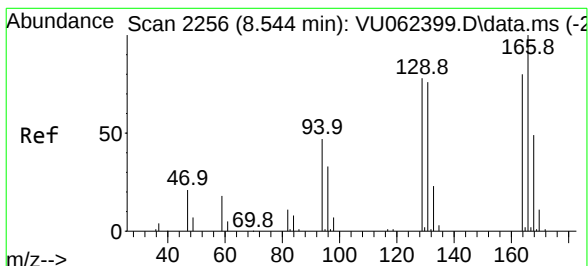
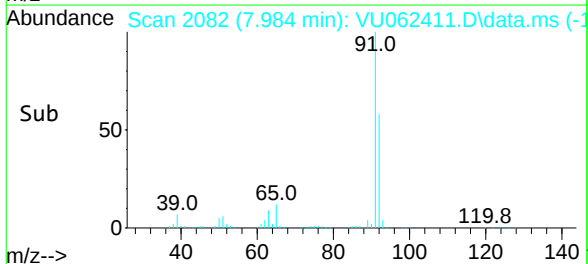
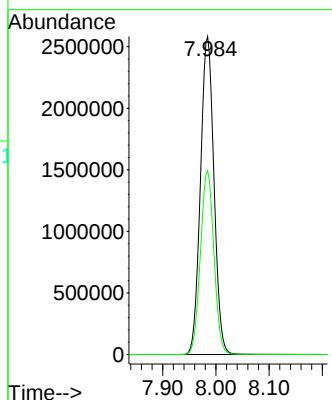


Tgt Ion: 91 Resp: 4550829

Ion	Ratio	Lower	Upper
91	100		
92	57.8	39.0	72.4

Manual Integrations
APPROVED

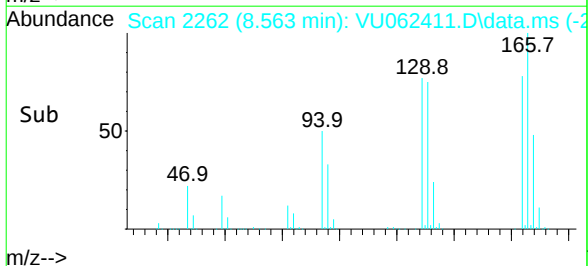
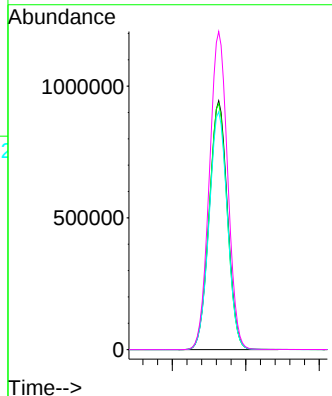
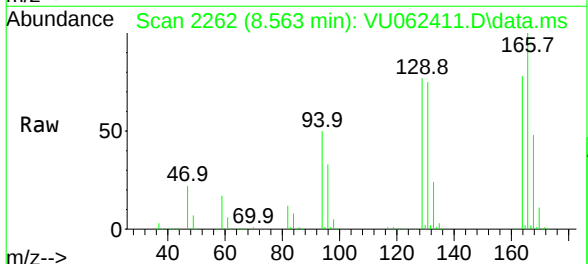
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

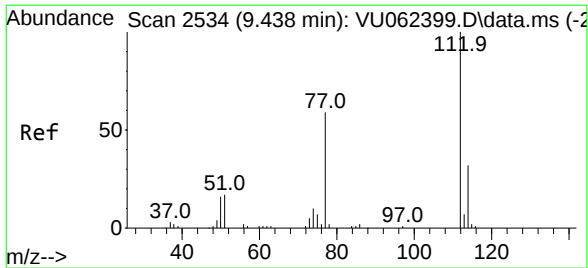


#47
Tetrachloroethene
Concen: 213.638 ug/L
RT: 8.563 min Scan# 2262
Delta R.T. 0.020 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

Tgt Ion:164 Resp: 1631147

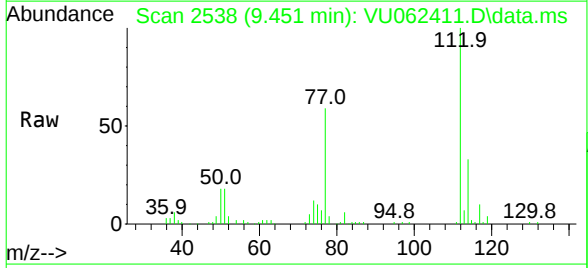
Ion	Ratio	Lower	Upper
164	100		
129	98.9	73.2	136.0
131	95.6	72.3	134.3
166	127.8	90.2	167.4





#51
Chlorobenzene
Concen: 1.959 ug/L
RT: 9.451 min Scan# 2538
Delta R.T. 0.013 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

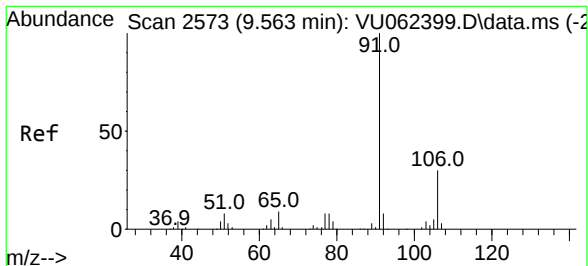
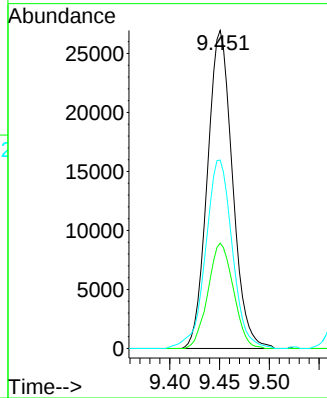
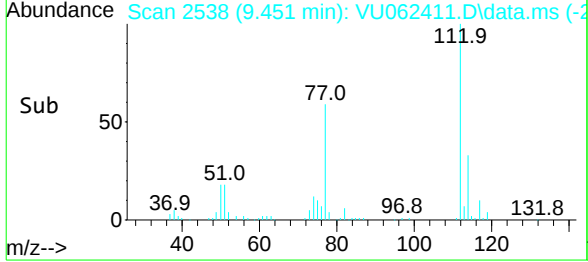
Instrument :
MSVOA_U
ClientSampleId :
C0CF5



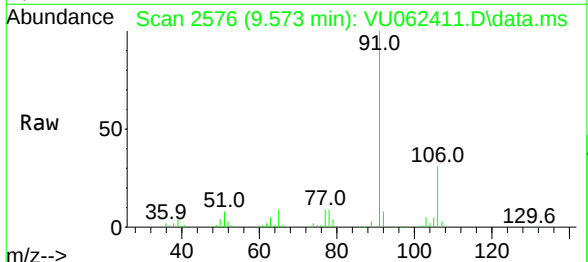
Tgt Ion: 112 Resp: 47258
Ion Ratio Lower Upper
112 100
114 33.1 23.0 42.6
77 59.2 50.5 75.7

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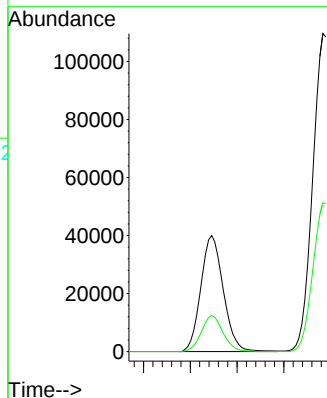
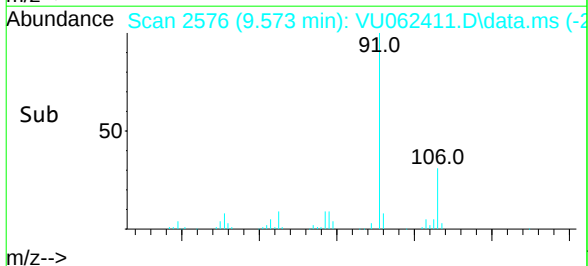
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

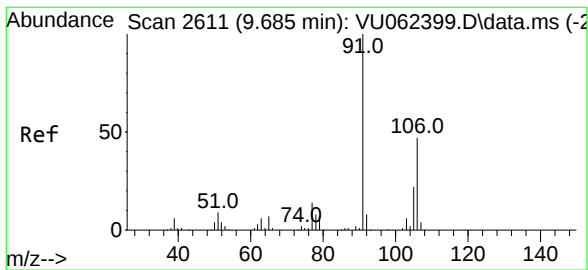


#52
Ethylbenzene
Concen: 1.581 ug/L
RT: 9.573 min Scan# 2576
Delta R.T. 0.010 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53



Tgt Ion: 91 Resp: 66715
Ion Ratio Lower Upper
91 100
106 31.1 21.6 40.0





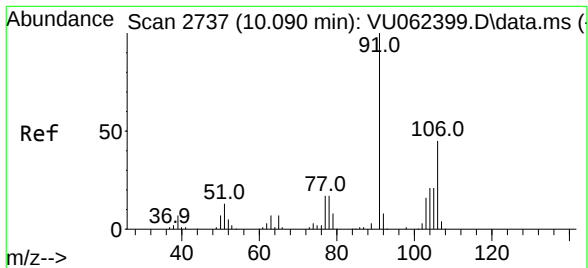
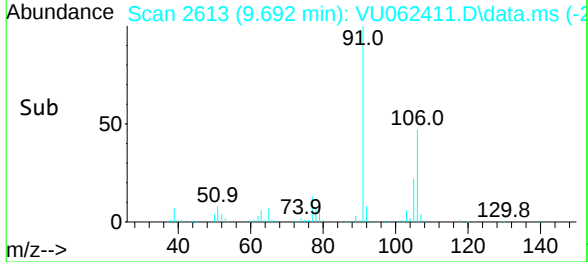
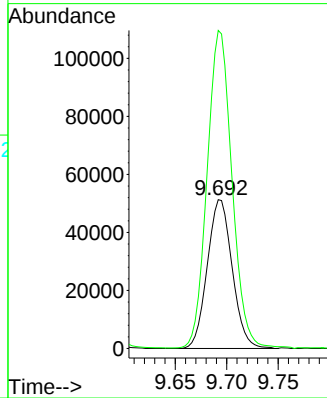
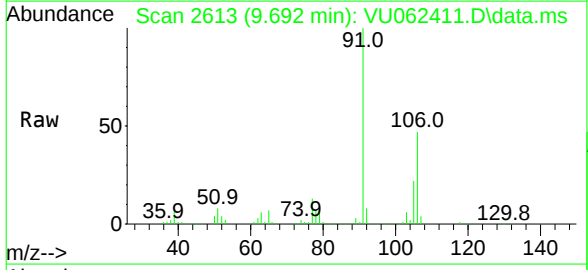
#53
m,p-Xylene
Concen: 5.546 ug/L
RT: 9.692 min Scan# 2611
Delta R.T. 0.007 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

Instrument :
MSVOA_U
ClientSampleId :
C0CF5

Tgt Ion:106 Resp: 86420
Ion Ratio Lower Upper
106 100
91 213.8 147.6 274.0

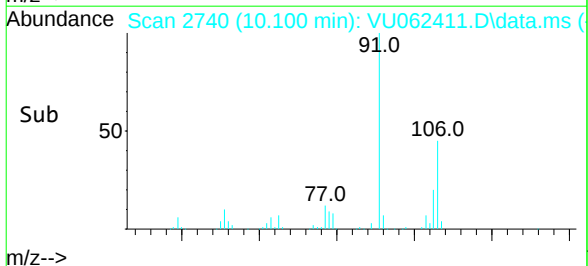
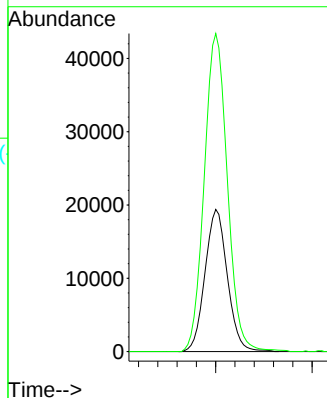
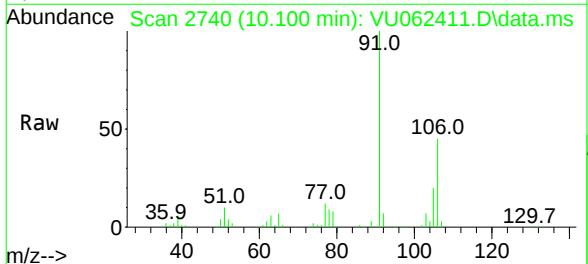
Manual Integrations
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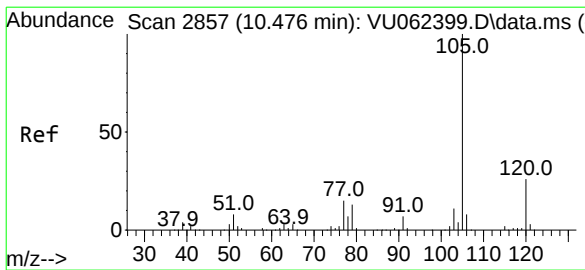
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#54
o-Xylene
Concen: 2.064 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.010 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

Tgt Ion:106 Resp: 31279
Ion Ratio Lower Upper
106 100
91 223.7 159.8 296.8





#60

Isopropylbenzene

Concen: 0.188 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.007 min

Lab File: VU062411.D

Acq: 18 Dec 2024 01:53

Instrument :

MSVOA_U

ClientSampleId :

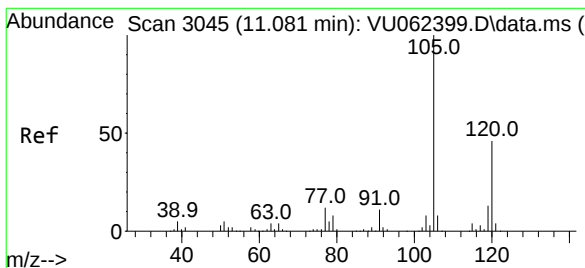
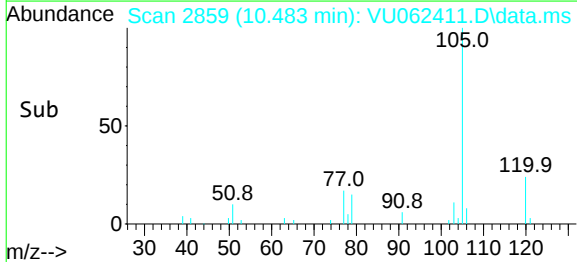
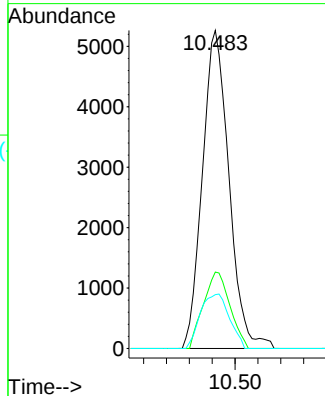
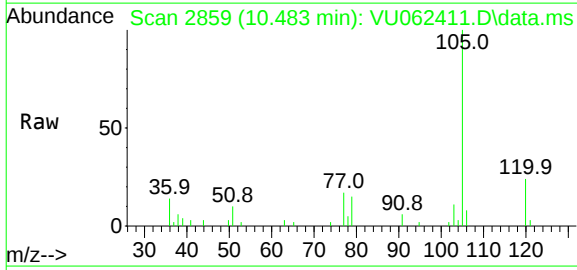
C0CF5

Tgt	Ion:105	Resp:	8490
Ion	Ratio	Lower	Upper
105	100		
120	24.0	20.6	31.0
77	18.7	13.0	19.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#62

1,3,5-Trimethylbenzene

Concen: 0.503 ug/L

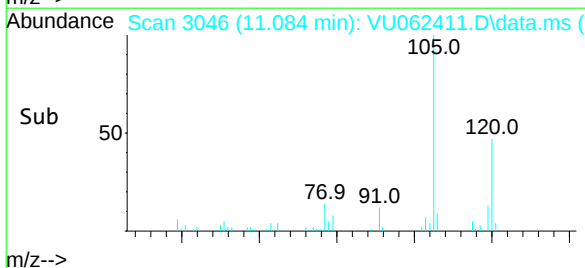
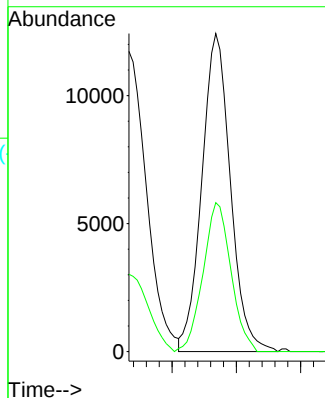
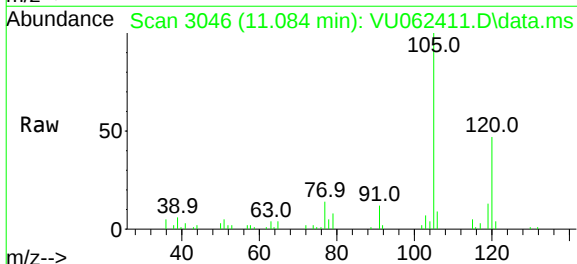
RT: 11.084 min Scan# 3046

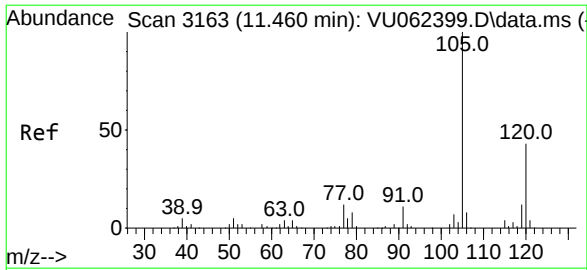
Delta R.T. 0.003 min

Lab File: VU062411.D

Acq: 18 Dec 2024 01:53

Tgt	Ion:105	Resp:	19189
Ion	Ratio	Lower	Upper
105	100		
120	45.6	36.7	55.1





#63
1,2,4-Trimethylbenzene
Concen: 1.541 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU062411.D
Acq: 18 Dec 2024 01:53

Instrument :
MSVOA_U
ClientSampleId :
C0CF5

Tgt Ion:105 Resp: 57642
Ion Ratio Lower Upper
105 100
120 41.8 34.7 52.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

