

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
 Data File : VU061111.D
 Acq On : 11 Oct 2024 12:11
 Operator : MD/SY
 Sample : P4380-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E27H6

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 04:18:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	157820	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	147393	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	73830	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	41599	3.687	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	73.800%		
7) Chloroethane-d5	1.911	69	37899	4.487	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	89.800%		
11) 1,1-Dichloroethene-d2	2.557	65	19679	3.954	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	79.000%		
20) 2-Butanone-d5	4.660	46	123995	45.877	ug/L	0.04
Spiked Amount 50.000	Range 40 - 130		Recovery =	91.760%		
24) Chloroform-d	5.052	84	92684	4.661	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	93.200%		
26) 1,2-Dichloroethane-d4	5.695	65	48463	4.598	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	92.000%		
32) Benzene-d6	5.717	84	184164	4.739	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.800%		
36) 1,2-Dichloropropane-d6	6.682	67	63150	4.948	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	99.000%		
41) Toluene-d8	7.891	98	165066	4.544	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	90.800%		
43) trans-1,3-Dichloroprop...	8.174	79	23614	4.327	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	86.600%		
46) 2-Hexanone-d5	8.630	63	111541	49.381	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	98.760%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	45848	4.898	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	98.000%		
66) 1,2-Dichlorobenzene-d4	12.183	152	60536	5.128	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	102.600%		
Target Compounds						Qvalue
13) Acetone	2.682	43	13322	7.664	ug/L	100
14) Carbon disulfide	2.779	76	4817	0.156	ug/L #	72
18) trans-1,2-Dichloroethene	3.341	96	1385	0.139	ug/L	78
19) 1,1-Dichloroethane	3.862	63	8044	0.414	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	14596	1.312	ug/L	97
30) Cyclohexane	5.373	56	2308	0.121	ug/L #	86
33) Benzene	5.762	78	542103	12.477	ug/L	100
34) Trichloroethene	6.534	95	37029	3.144	ug/L	97
35) Methylcyclohexane	6.753	83	3348	0.176	ug/L	88
42) Toluene	7.962	91	179974	3.888	ug/L	100
47) Tetrachloroethene	8.544	164	108110	14.103	ug/L	95
52) Ethylbenzene	9.563	91	36646	0.699	ug/L	97
53) m,p-Xylene	9.685	106	59419	3.105	ug/L	91
54) o-Xylene	10.093	106	38010	2.019	ug/L	91
55) Styrene	10.113	104	14288	0.470	ug/L	86
60) Isopropylbenzene	10.479	105	7401m	0.150	ug/L	
62) 1,3,5-Trimethylbenzene	11.081	105	89695	2.061	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	154207	3.511	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 11 06:46:55 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

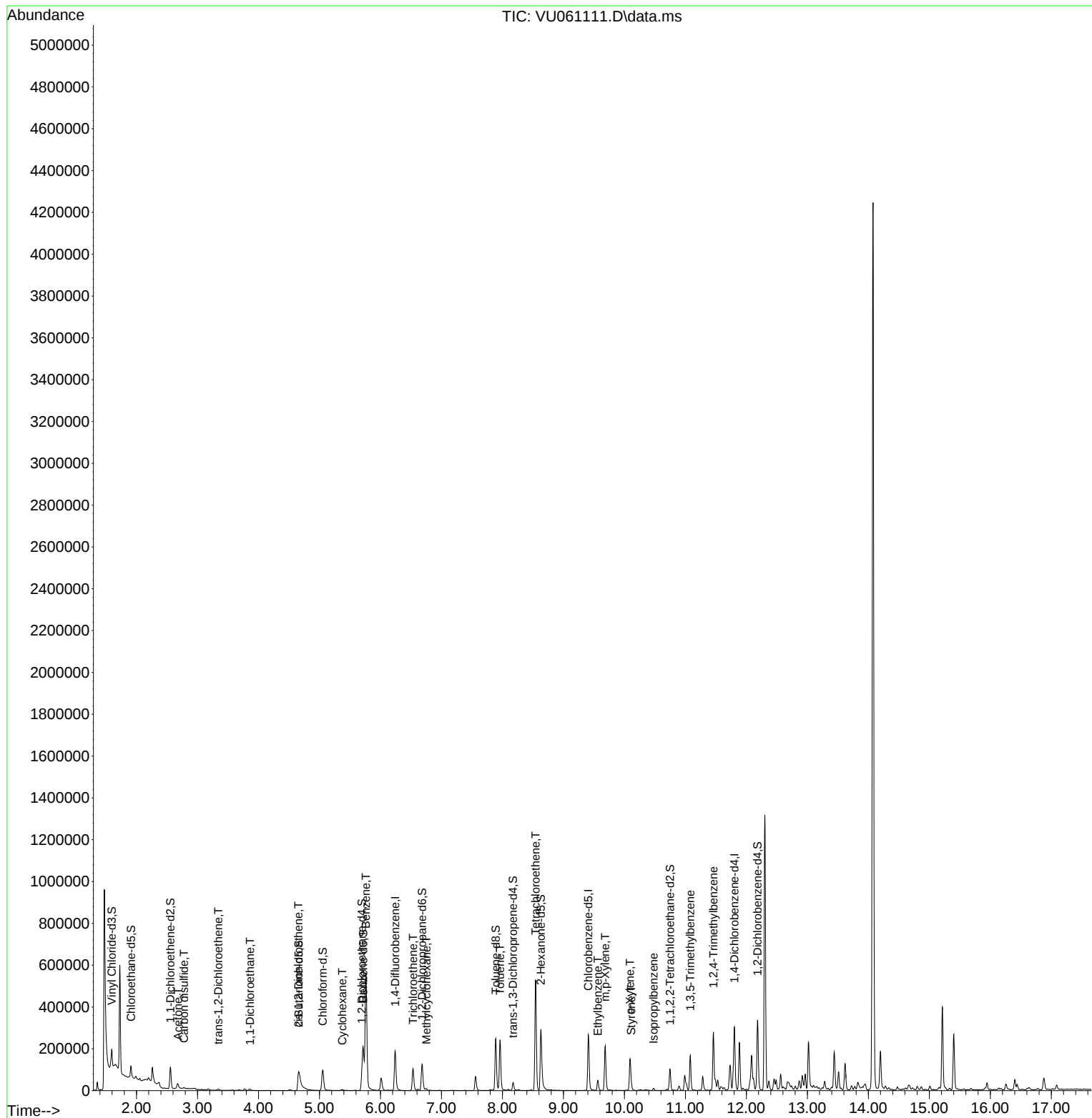
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Acq On : 11 Oct 2024 12:11
Operator : MD/SY
Sample : P4380-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

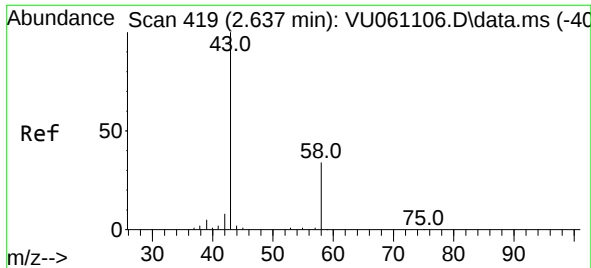
Instrument :
MSVOA_U
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#13

Acetone

Concen: 7.664 ug/L

RT: 2.682 min Scan# 419

Delta R.T. 0.048 min

Lab File: VU061111.D

Acq: 11 Oct 2024 12:11

Instrument :

MSVOA_U

ClientSampleId :

E27H6

Tgt Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

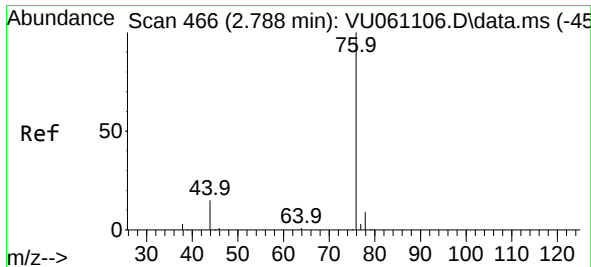
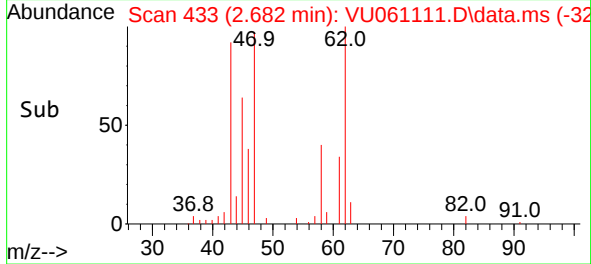
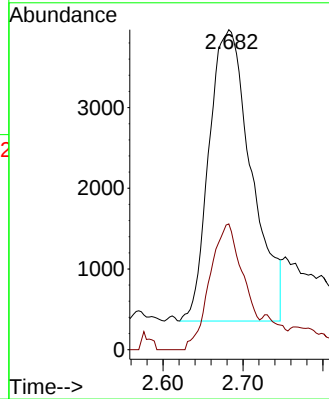
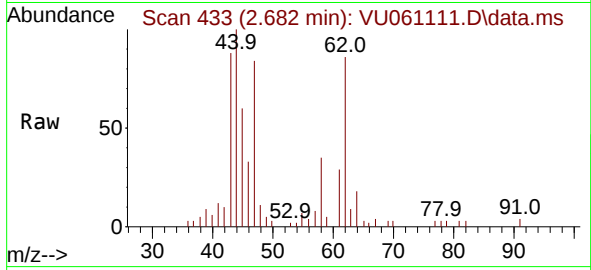
58 34.5 0.0 69.6

Manual Integrations

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#14

Carbon disulfide

Concen: 0.156 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.010 min

Lab File: VU061111.D

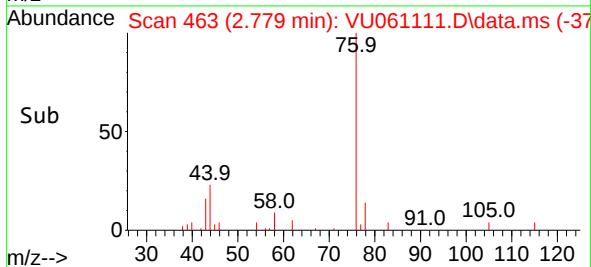
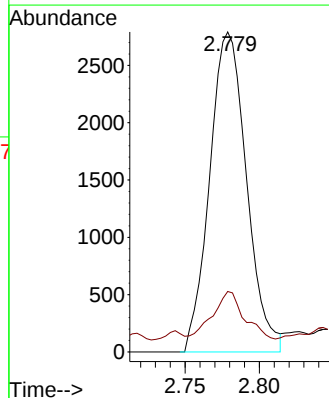
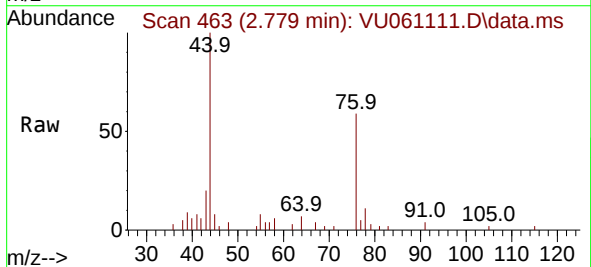
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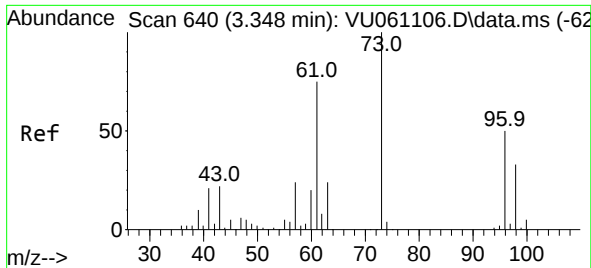
Tgt Ion: 76 Resp: 4817

Ion Ratio Lower Upper

76 100

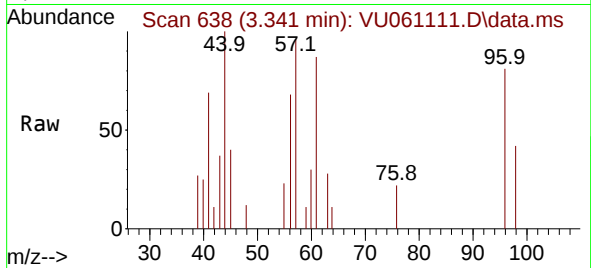
78 18.9 7.1 10.7#





#18
trans-1,2-Dichloroethene
Concen: 0.139 ug/L
RT: 3.341 min Scan# 611
Delta R.T. -0.006 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

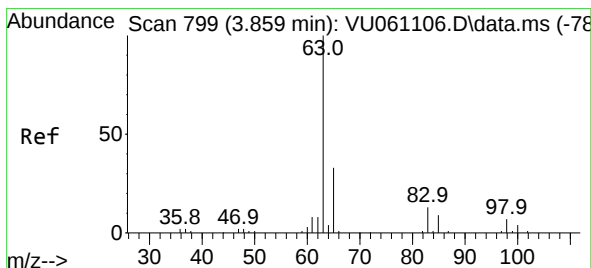
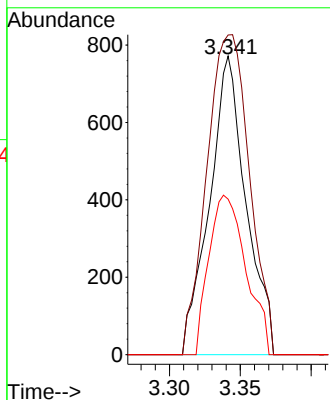
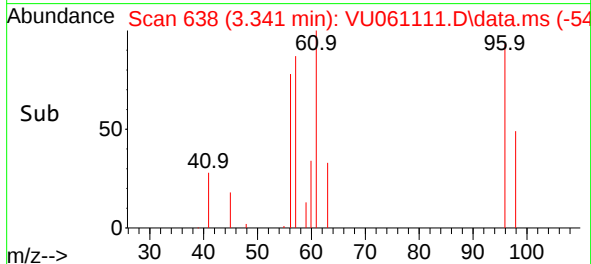
Instrument :
MSVOA_U
ClientSampleId :
E27H6



Tgt Ion: 96 Resp: 1385
Ion Ratio Lower Upper
96 100
61 107.0 97.2 180.6
98 52.1 43.3 80.5

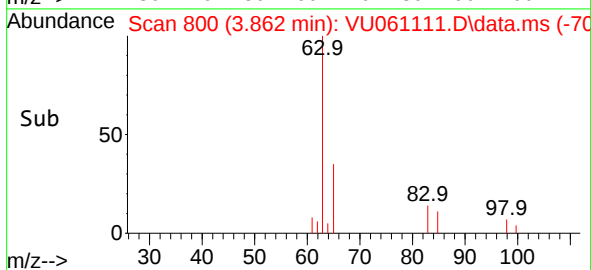
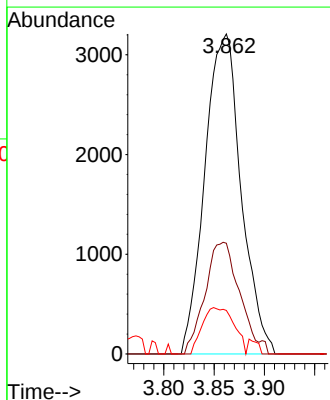
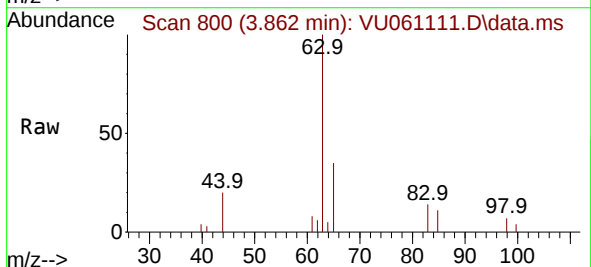
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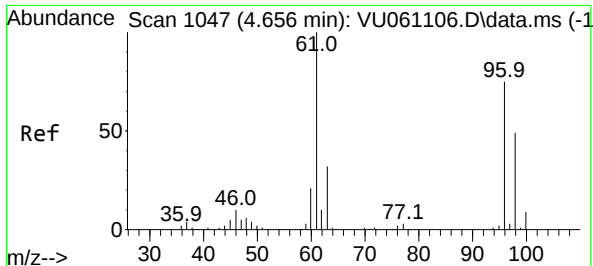
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#19
1,1-Dichloroethane
Concen: 0.414 ug/L
RT: 3.862 min Scan# 800
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

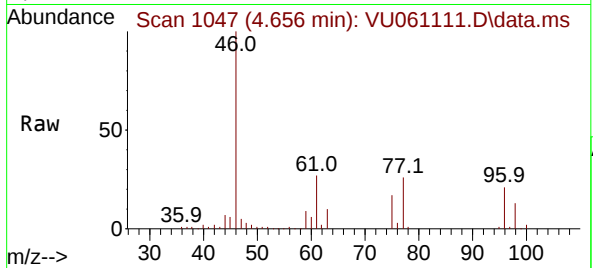
Tgt Ion: 63 Resp: 8044
Ion Ratio Lower Upper
63 100
65 34.6 23.0 42.8
83 13.6 9.0 16.6





#22
 cis-1,2-Dichloroethene
 Concen: 1.312 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU061111.D
 Acq: 11 Oct 2024 12:11

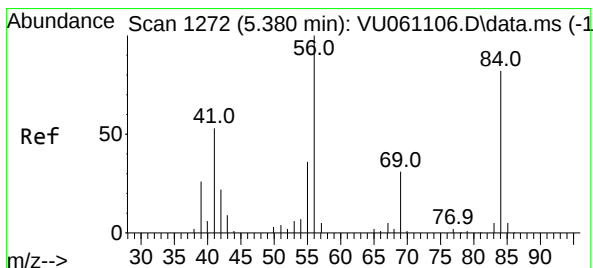
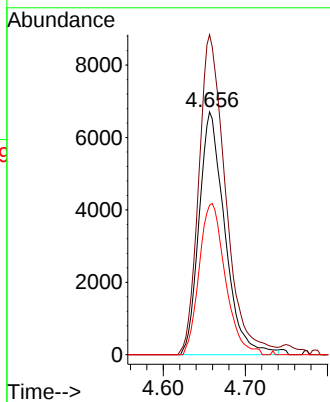
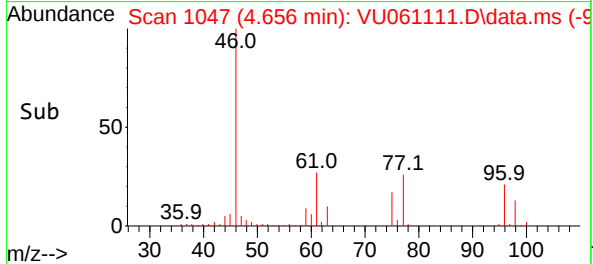
Instrument :
 MSVOA_U
 ClientSampleId :
 E27H6



Tgt Ion: 96 Resp: 14590
 Ion Ratio Lower Upper
 96 100
 61 131.8 89.7 166.5
 98 61.6 45.1 83.9

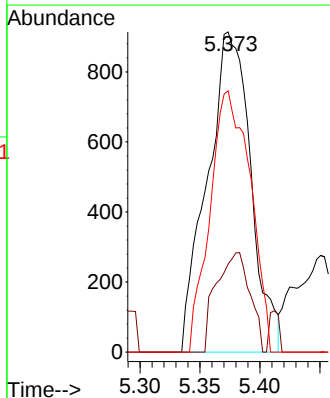
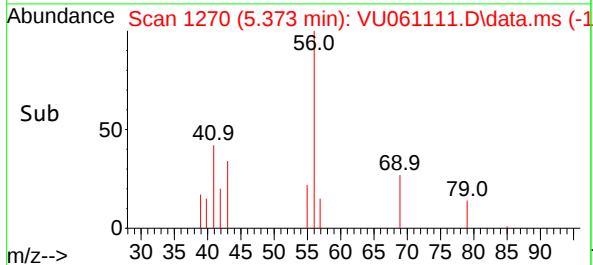
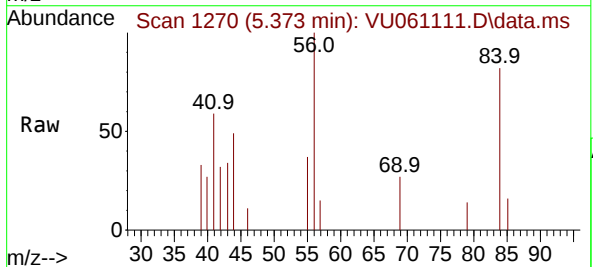
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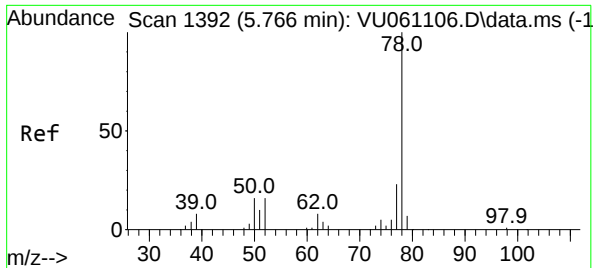
Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024



#30
 Cyclohexane
 Concen: 0.121 ug/L
 RT: 5.373 min Scan# 1270
 Delta R.T. -0.006 min
 Lab File: VU061111.D
 Acq: 11 Oct 2024 12:11

Tgt Ion: 56 Resp: 2308
 Ion Ratio Lower Upper
 56 100
 69 24.0 25.4 38.0#
 84 75.6 71.0 106.6





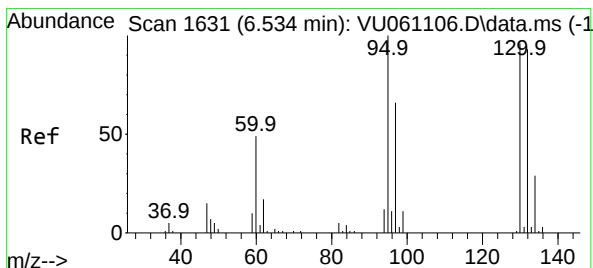
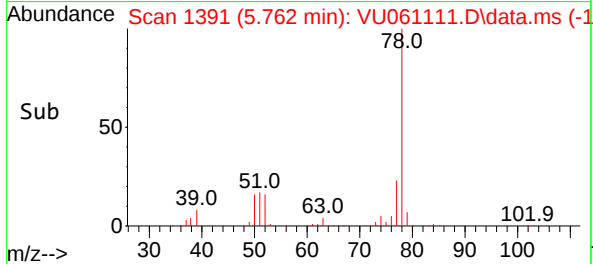
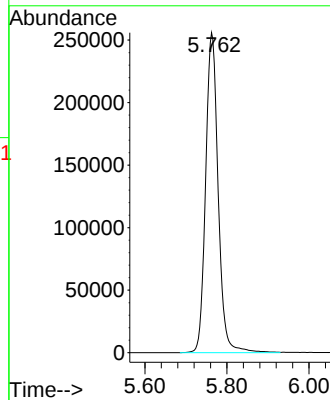
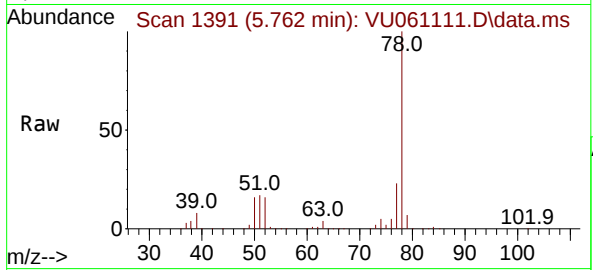
#33
Benzene
Concen: 12.477 ug/L
RT: 5.762 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

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Tgt Ion: 78 Resp: 54210

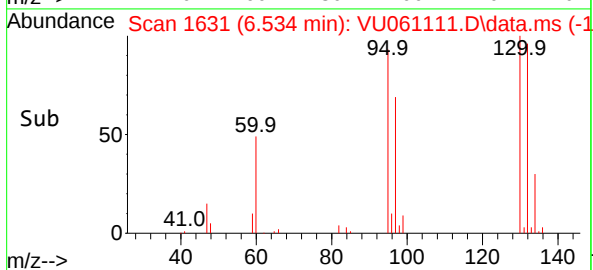
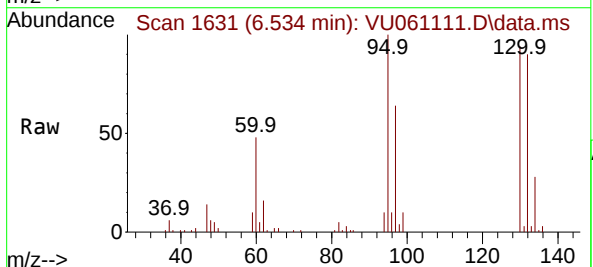
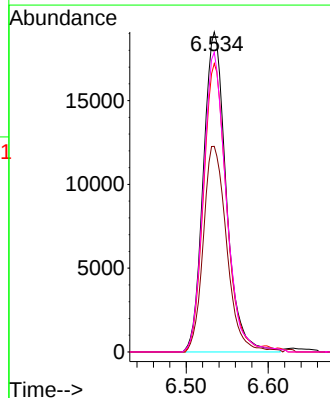
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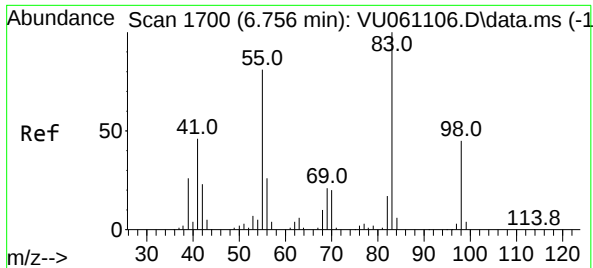
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#34
Trichloroethene
Concen: 3.144 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

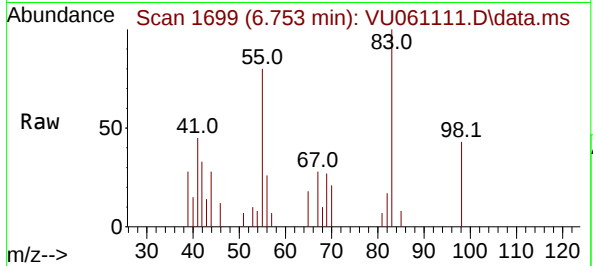
Tgt Ion: 95 Resp: 37029
Ion Ratio Lower Upper
95 100
97 64.3 44.9 83.5
132 90.2 63.5 117.9
130 93.7 70.2 130.4





#35
Methylcyclohexane
Concen: 0.176 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

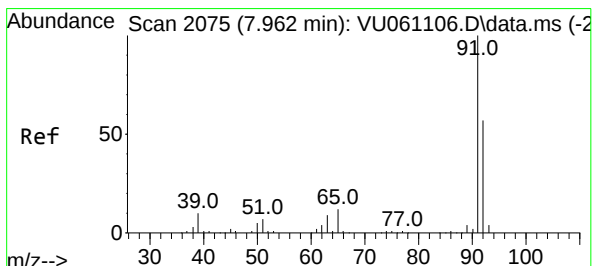
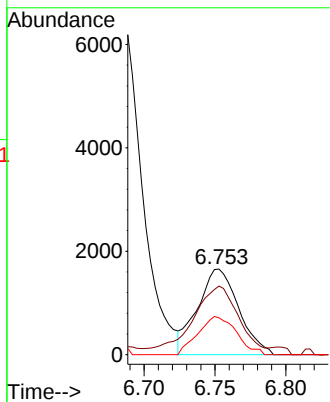
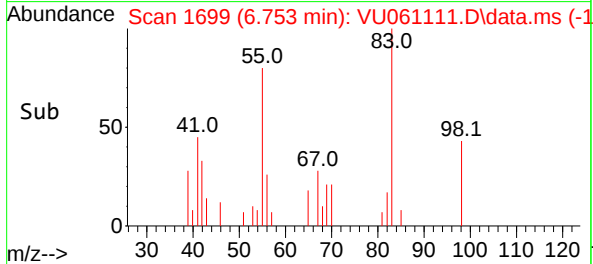
Instrument :
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Tgt Ion: 83 Resp: 3348
Ion Ratio Lower Upper
83 100
55 90.9 62.6 94.0
98 41.4 37.6 56.4

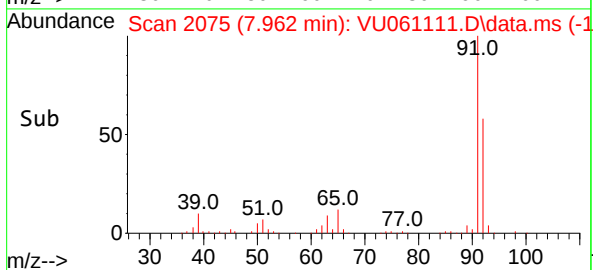
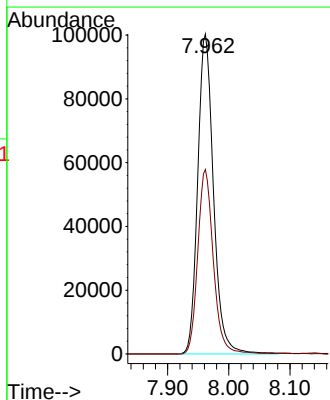
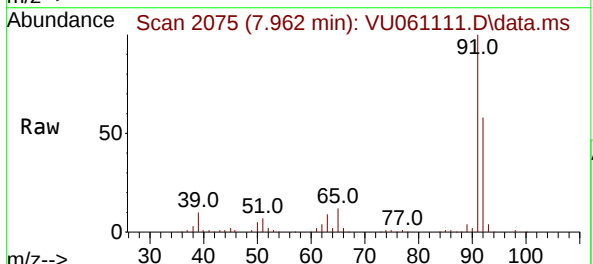
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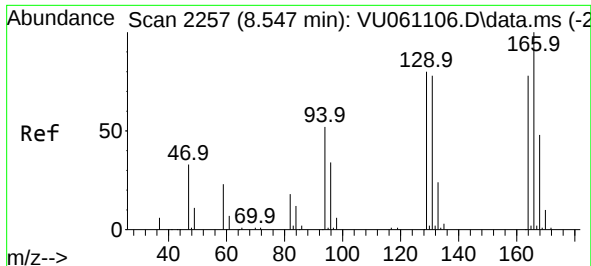
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#42
Toluene
Concen: 3.888 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

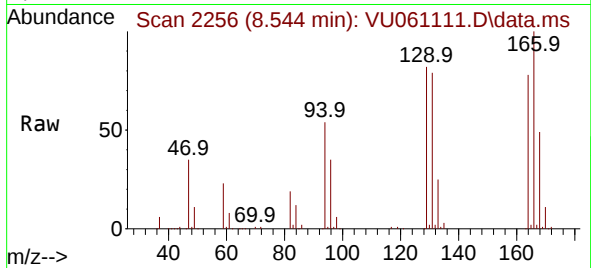
Tgt Ion: 91 Resp: 179974
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3





#47
Tetrachloroethene
Concen: 14.103 ug/L
RT: 8.544 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

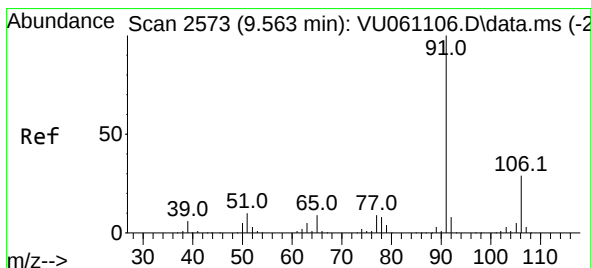
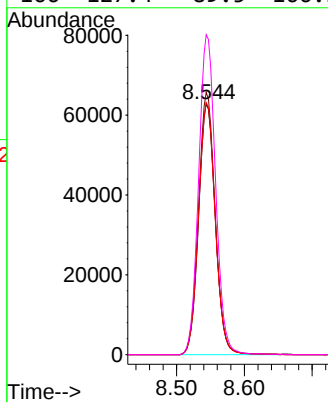
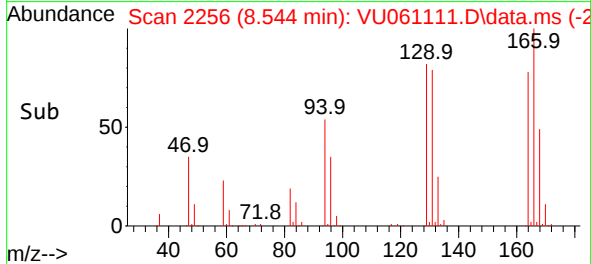
Instrument :
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Tgt Ion:164 Resp: 108110
Ion Ratio Lower Upper
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129 104.5 67.3 124.9
131 100.4 65.4 121.4
166 127.4 89.5 166.1

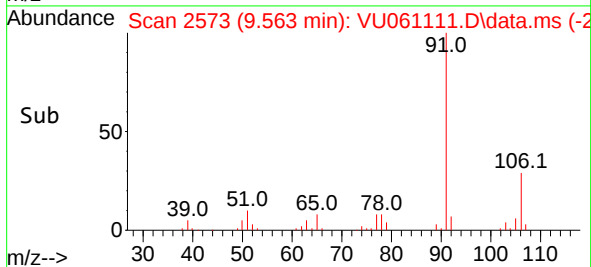
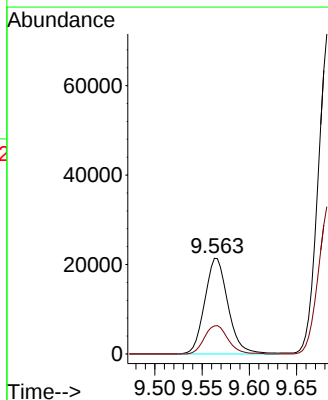
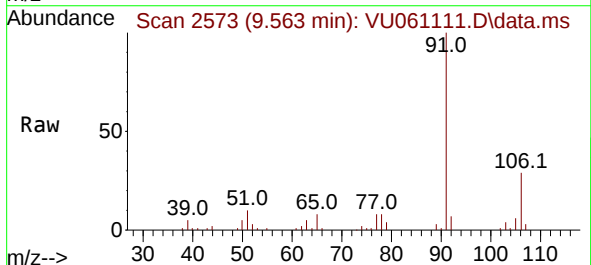
Manual Integrations
APPROVED

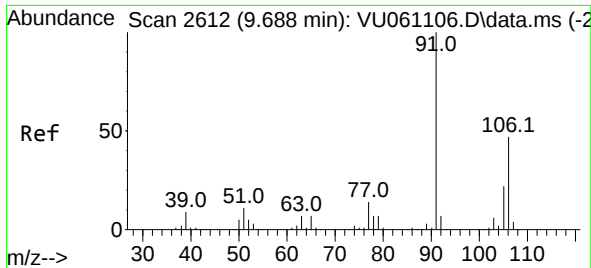
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#52
Ethylbenzene
Concen: 0.699 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion: 91 Resp: 36646
Ion Ratio Lower Upper
91 100
106 29.3 21.8 40.6





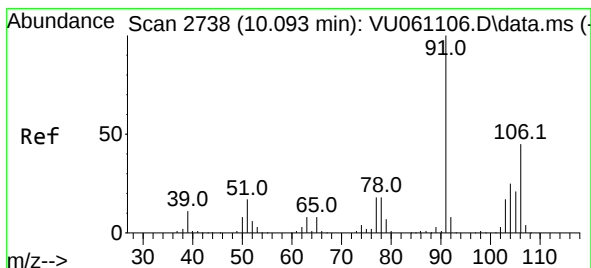
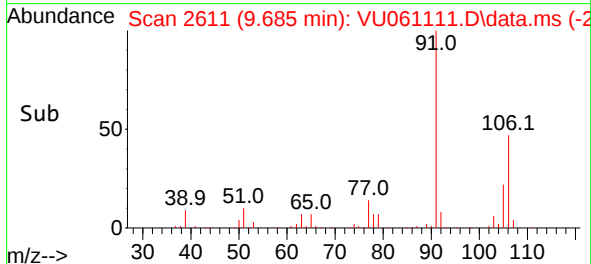
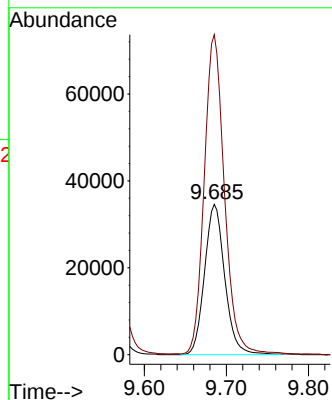
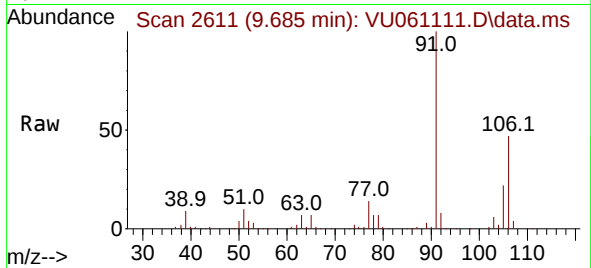
#53
m,p-Xylene
Concen: 3.105 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Tgt Ion:106 Resp: 59419
Ion Ratio Lower Upper
106 100
91 212.7 139.7 259.4

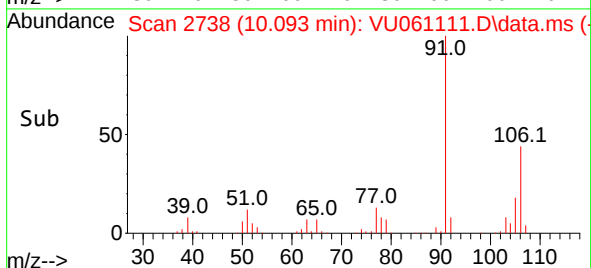
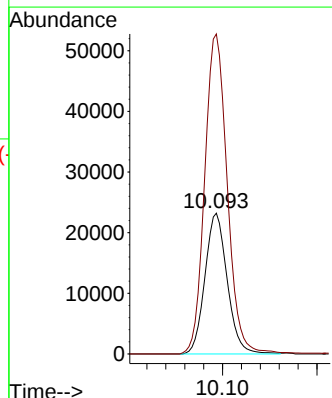
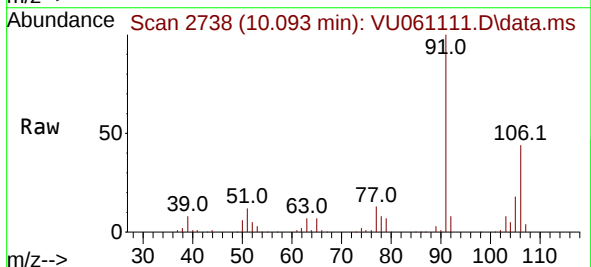
Manual Integrations
APPROVED

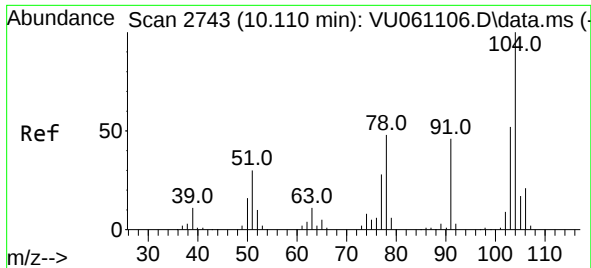
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#54
o-Xylene
Concen: 2.019 ug/L
RT: 10.093 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion:106 Resp: 38010
Ion Ratio Lower Upper
106 100
91 227.2 148.6 276.0





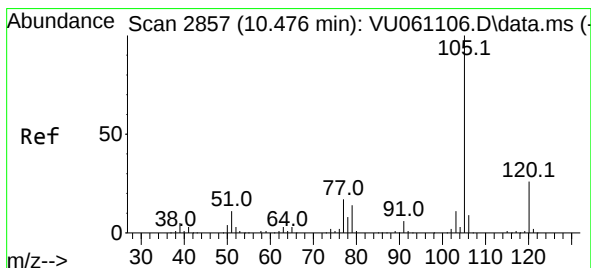
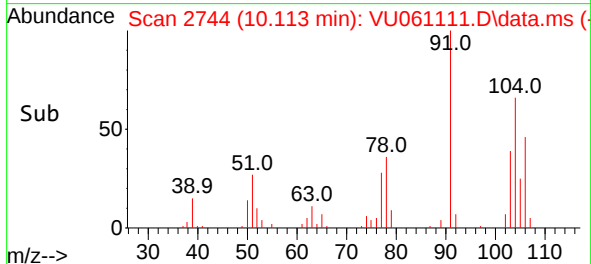
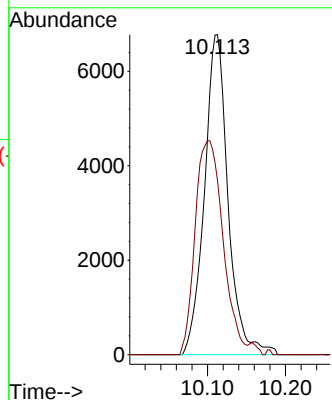
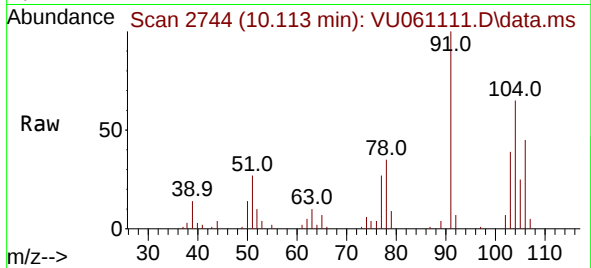
#55
Styrene
Concen: 0.470 ug/L
RT: 10.113 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Tgt Ion:104 Resp: 1428
Ion Ratio Lower Upper
104 100
78 54.4 31.7 58.9

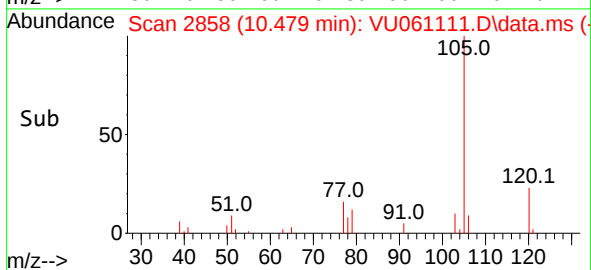
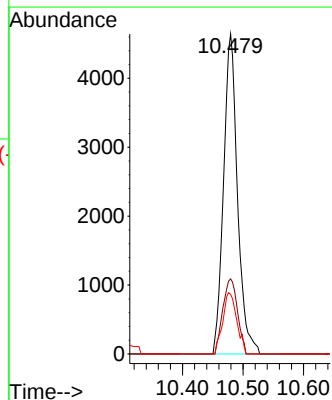
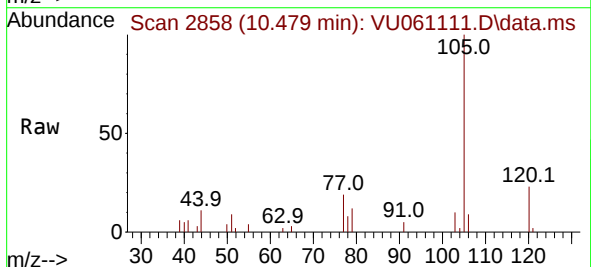
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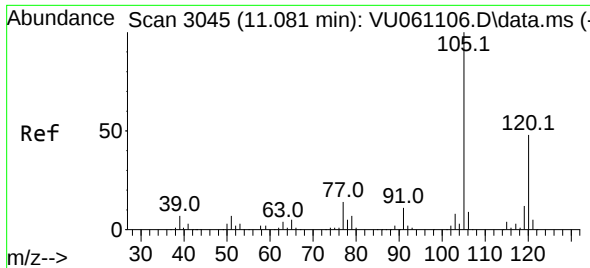
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#60
Isopropylbenzene
Concen: 0.150 ug/L m
RT: 10.479 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion:105 Resp: 7401
Ion Ratio Lower Upper
105 100
120 248.9 21.5 32.3#
77 111.9 12.6 18.8#





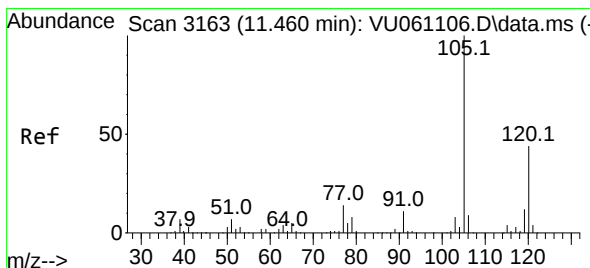
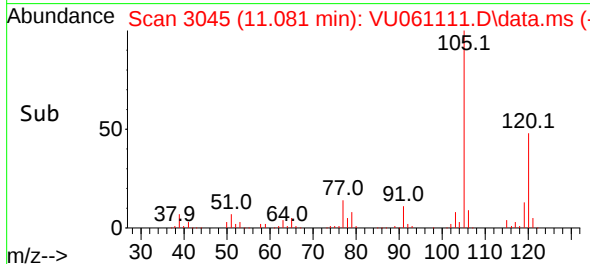
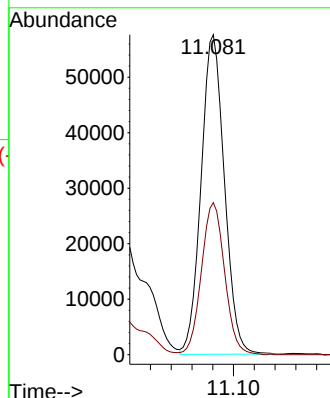
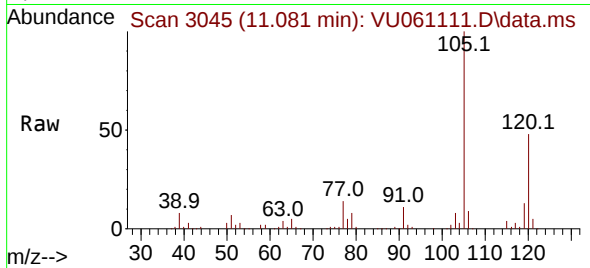
#62
1,3,5-Trimethylbenzene
Concen: 2.061 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Instrument :
MSVOA_U
ClientSampleId :
E27H6

Tgt Ion:105 Resp: 8969
Ion Ratio Lower Upper
105 100
120 47.4 38.5 57.7

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#63
1,2,4-Trimethylbenzene
Concen: 3.511 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU061111.D
Acq: 11 Oct 2024 12:11

Tgt Ion:105 Resp: 154207
Ion Ratio Lower Upper
105 100
120 42.4 36.1 54.1

