

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041427.D
 Acq On : 29 Jul 2024 13:35
 Operator : SY/MD
 Sample : P3342-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ACVI-SS-02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 02:49:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1103862	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	3010832	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2860903	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2216566	10.068	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.726	85	20881	0.110	ppbv	97
9) Propene	2.700	41	36231	0.600	ppbv	84
10) Heptane	7.584	43	94464m	0.696	ppbv	
13) Ethanol	3.237	45	164385	30.467	ppbv	89
15) Acetone	3.465	43	684625	5.459	ppbv	92
19) Isopropyl Alcohol	3.578	45	37981m	0.518	ppbv	
20) Methylene Chloride	3.931	84	1212467	25.924	ppbv	98
26) Hexane	5.211	57	1192499	11.537	ppbv #	37
27) Carbon Disulfide	4.124	76	26730	0.221	ppbv #	60
30) Cyclohexane	6.603	84	44532	0.529	ppbv	89
34) 2-Butanone	4.787	43	65209	0.448	ppbv	97
36) Benzene	6.372	78	289004	1.314	ppbv	96
44) 2,2,4-Trimethylpentane	7.327	57	154409	0.420	ppbv #	51
52) Tetrachloroethene	10.616	164	3268m	0.038	ppbv	
53) Toluene	9.221	91	1726359	7.045	ppbv	99
58) Ethyl Benzene	12.089	91	155943	0.473	ppbv #	88
59) m/p-Xylene	12.346	91	425126	1.493	ppbv	97
60) o-Xylene	13.060	91	191134	0.710	ppbv	98
61) Styrene	12.902	104	282224	2.323	ppbv	99
72) 4-Ethyltoluene	15.191	105	42497m	0.134	ppbv	
73) 1,3,5-Trimethylbenzene	15.352	105	33513	0.123	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.111	105	144930	0.456	ppbv #	65

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

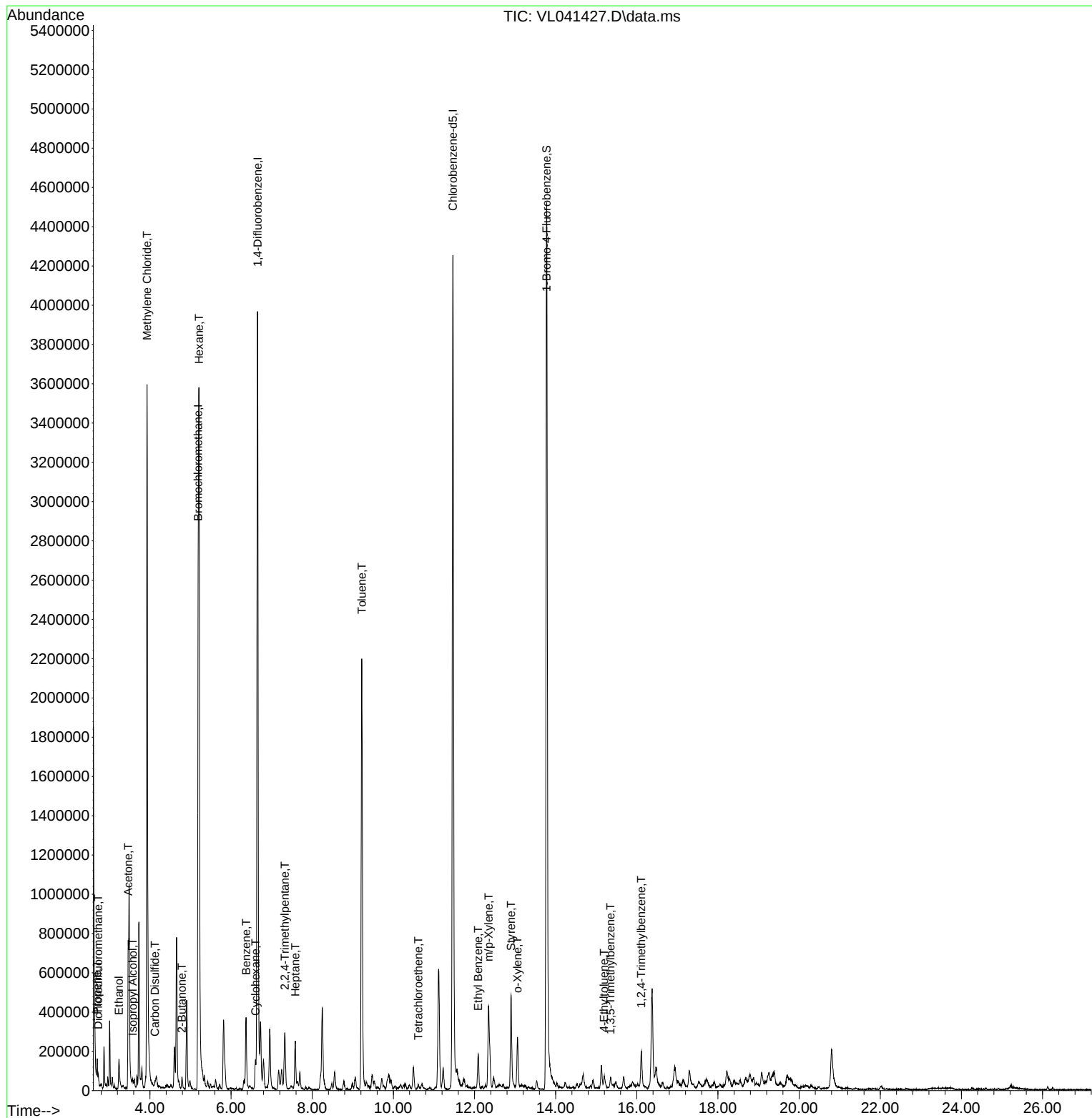
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
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ALS Vial : 1 Sample Multiplier: 1

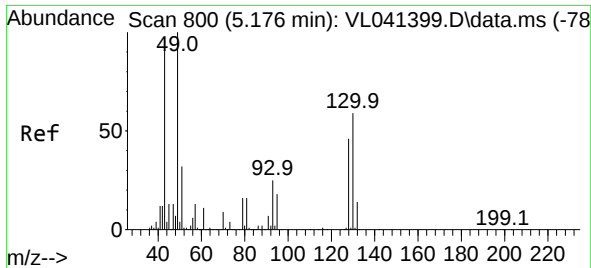
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02

Quant Time: Jul 30 02:49:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

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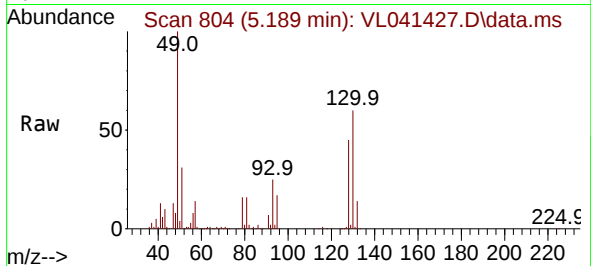
Reviewed By : Mahesh Dadoda 07/30/2024
Supervised By : Semsettin Yesilyurt 07/30/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

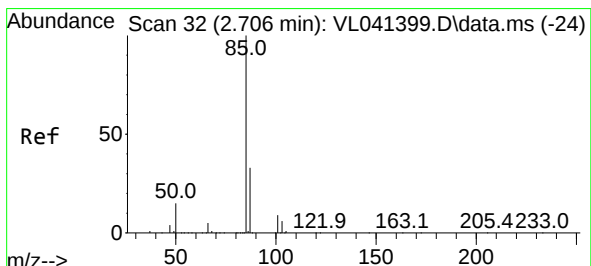
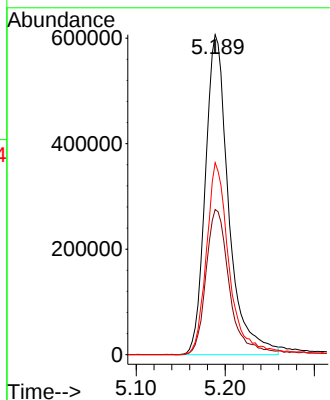
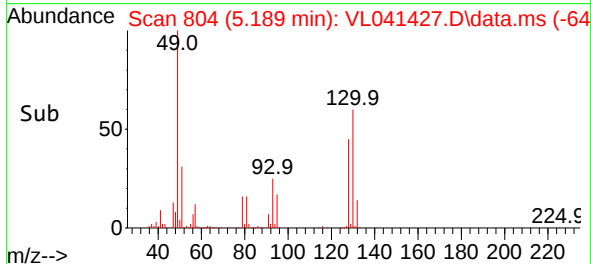
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02



Tgt Ion: 49 Resp: 110386
Ion Ratio Lower Upper
49 100
128 47.4 23.8 71.4
130 60.6 30.8 92.4

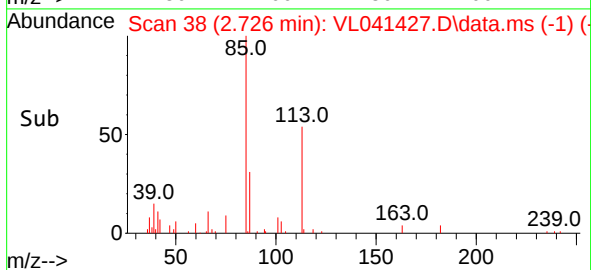
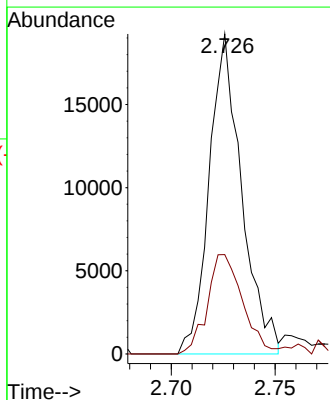
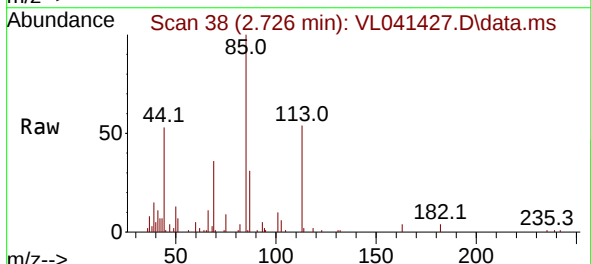
Manual Integrations
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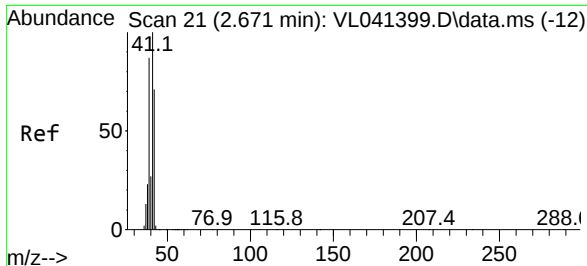
Reviewed By :Mahesh Dadoda 07/30/2024
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#2
Dichlorodifluoromethane
Concen: 0.110 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.016 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

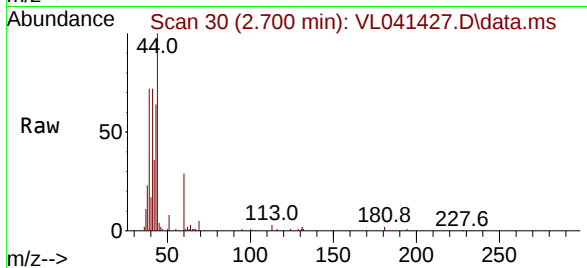
Tgt Ion: 85 Resp: 20881
Ion Ratio Lower Upper
85 100
87 31.0 26.0 39.0





#9
Propene
Concen: 0.600 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.029 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

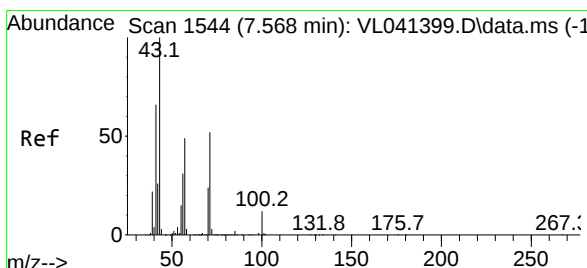
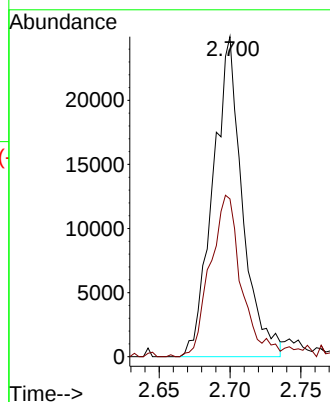
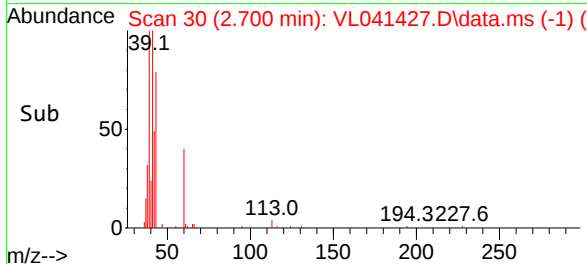
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02



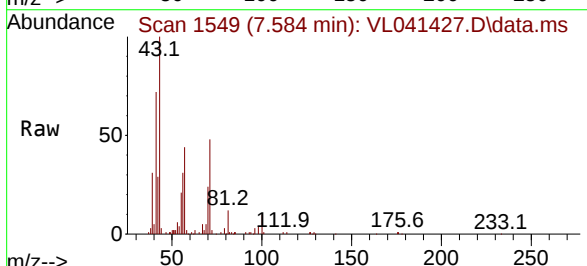
Tgt Ion: 41 Resp: 3623
Ion Ratio Lower Upper
41 100
42 56.4 55.9 83.9

Manual Integrations
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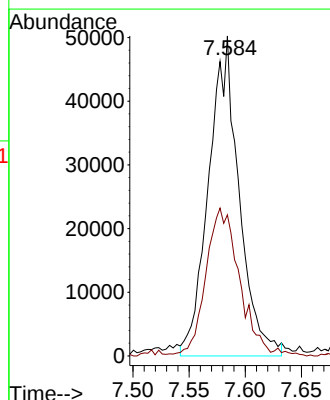
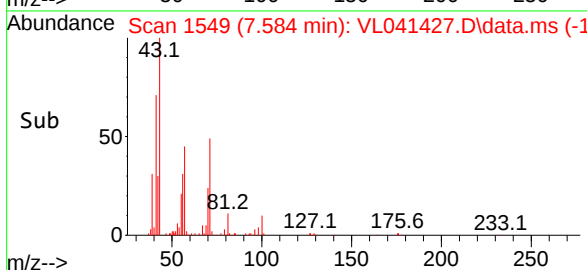
Reviewed By :Mahesh Dadoda 07/30/2024
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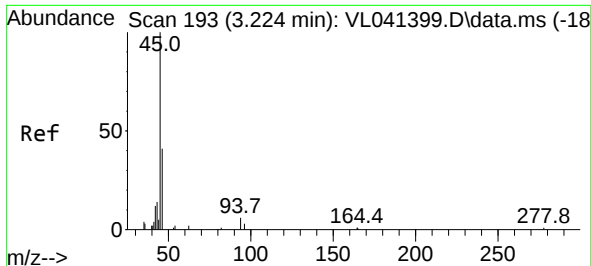


#10
Heptane
Concen: 0.696 ppbv m
RT: 7.584 min Scan# 1549
Delta R.T. 0.013 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35



Tgt Ion: 43 Resp: 94464
Ion Ratio Lower Upper
43 100
57 0.0 40.5 60.7#





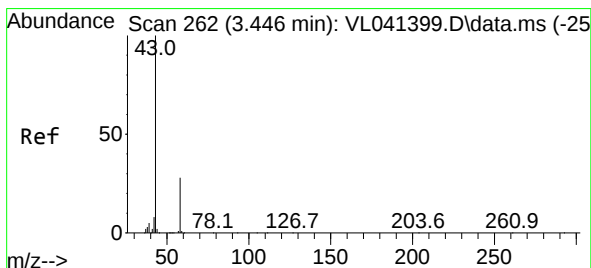
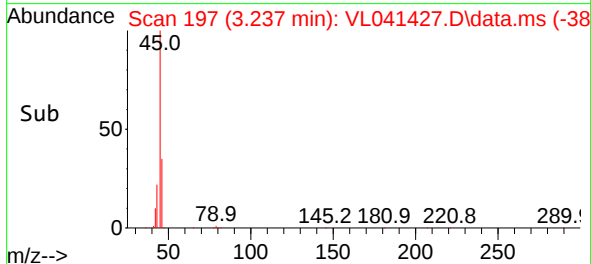
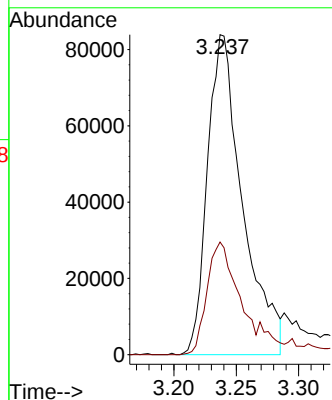
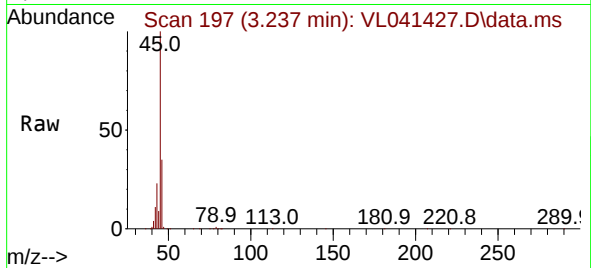
#13
Ethanol
Concen: 30.467 ppbv
RT: 3.237 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02

Tgt Ion: 45 Resp: 16438
Ion Ratio Lower Upper
45 100
46 39.7 13.4 53.4

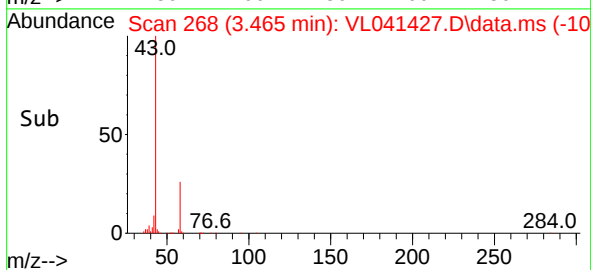
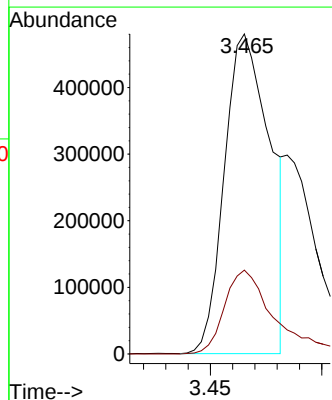
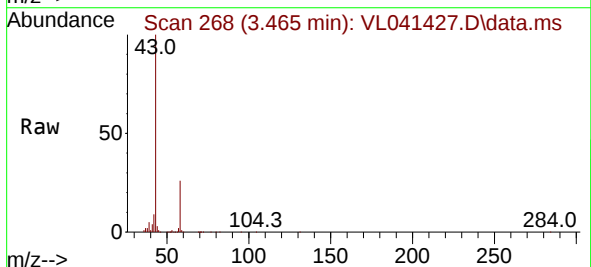
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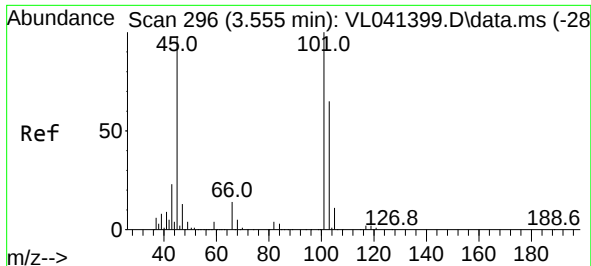
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#15
Acetone
Concen: 5.459 ppbv
RT: 3.465 min Scan# 268
Delta R.T. 0.013 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

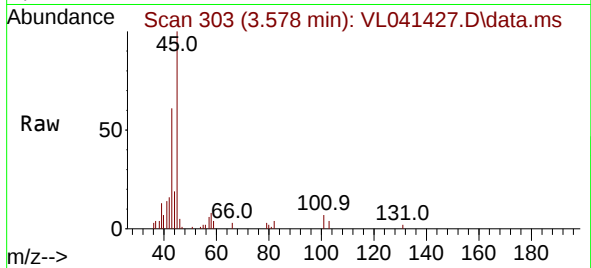
Tgt Ion: 43 Resp: 684625
Ion Ratio Lower Upper
43 100
58 31.1 21.4 32.2





#19
Isopropyl Alcohol
Concen: 0.518 ppbv m
RT: 3.578 min Scan# 303
Delta R.T. 0.016 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

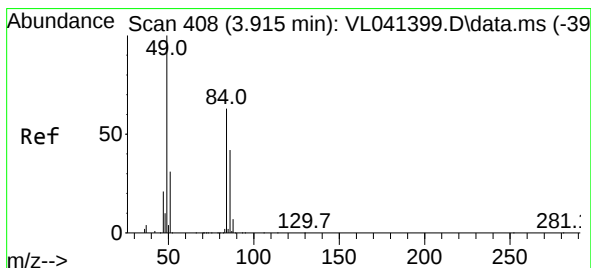
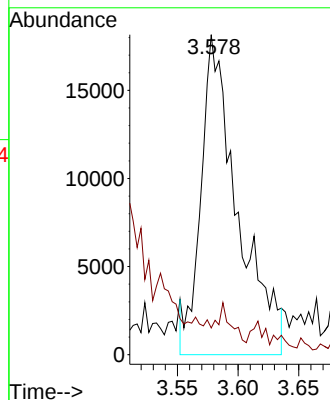
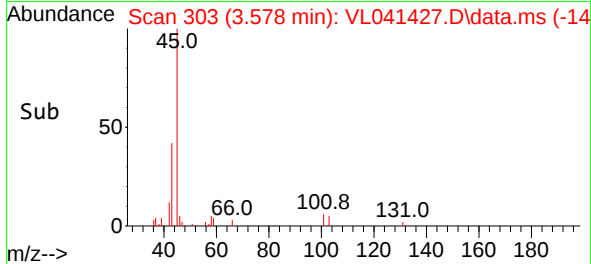
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02



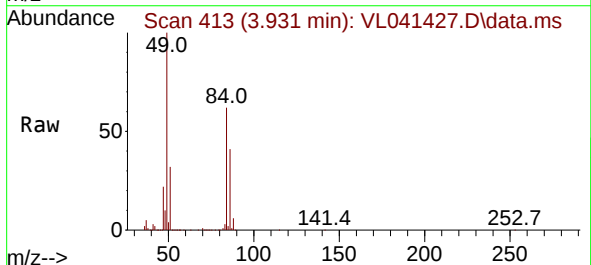
Tgt Ion: 45 Resp: 3798
Ion Ratio Lower Upper
45 100
58 0.0 1.9 2.9

Manual Integrations
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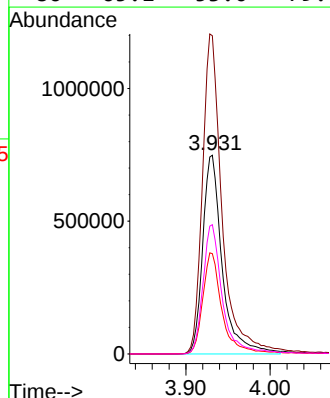
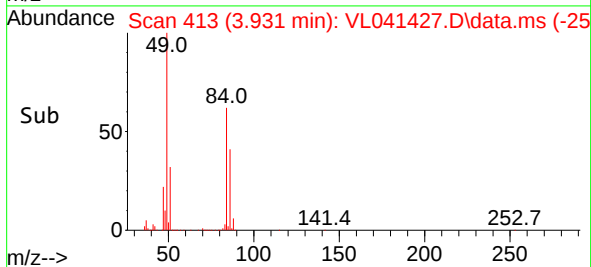
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

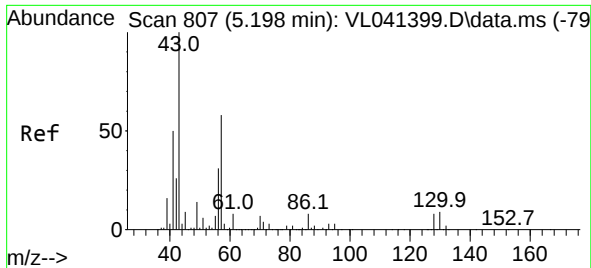


#20
Methylene Chloride
Concen: 25.924 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.013 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35



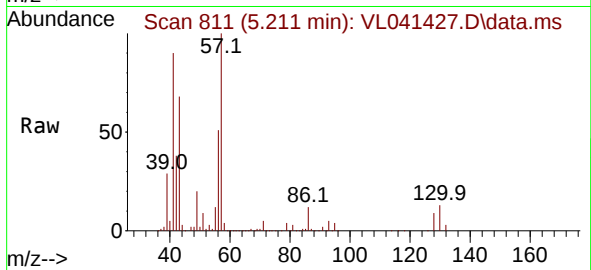
Tgt Ion: 84 Resp: 1212467
Ion Ratio Lower Upper
84 100
49 160.1 126.6 190.0
51 50.4 38.6 58.0
86 65.1 53.0 79.4





#26
Hexane
Concen: 11.537 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

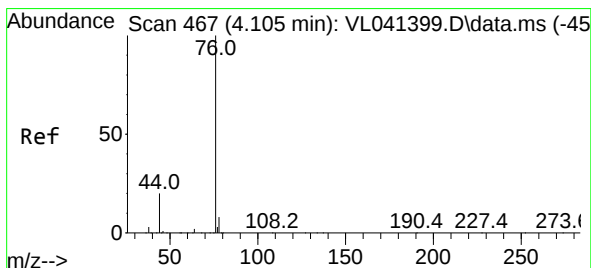
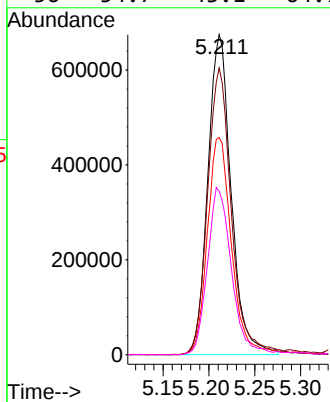
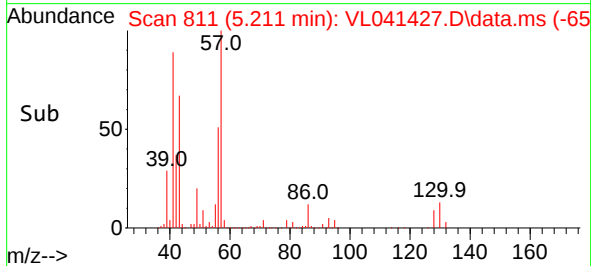
Instrument :
MSVOA_L
Client Sample Id :
ACVI-SS-02



Tgt Ion: 57 Resp: 1192499
Ion Ratio Lower Upper
57 100
41 93.4 74.0 111.0
43 71.2 193.6 290.4
56 54.7 43.1 64.7

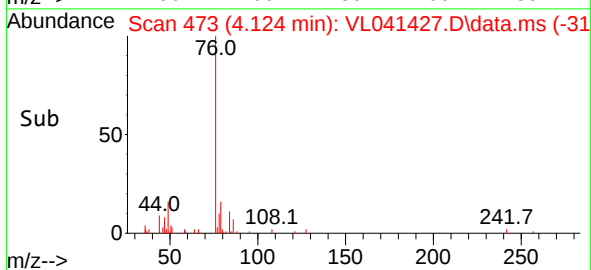
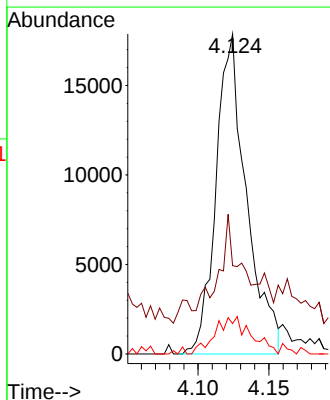
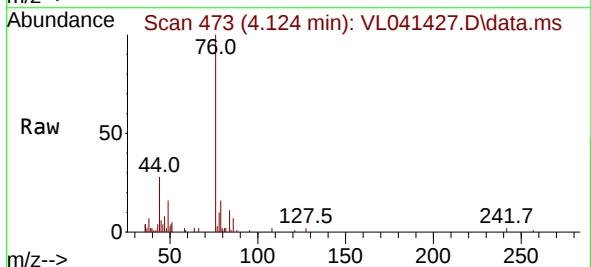
Manual Integrations
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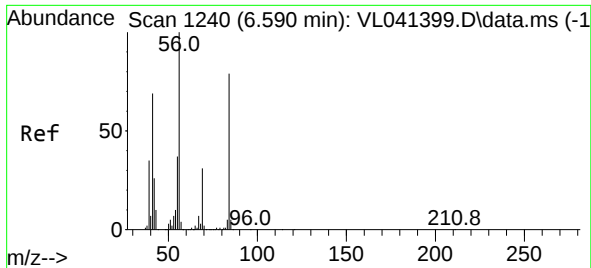
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#27
Carbon Disulfide
Concen: 0.221 ppbv
RT: 4.124 min Scan# 473
Delta R.T. 0.016 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

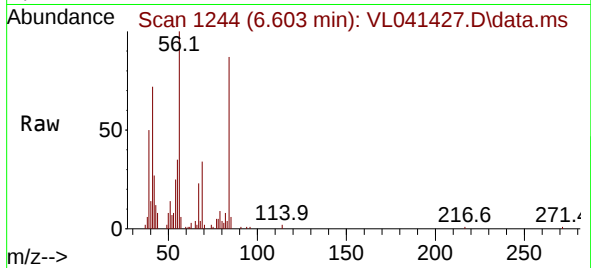
Tgt Ion: 76 Resp: 26730
Ion Ratio Lower Upper
76 100
44 42.9 15.6 23.4#
78 15.2 7.7 11.5#





#30
Cyclohexane
Concen: 0.529 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.010 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

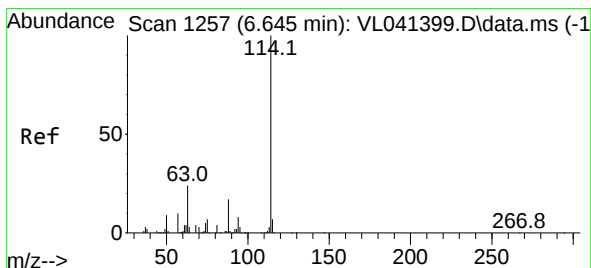
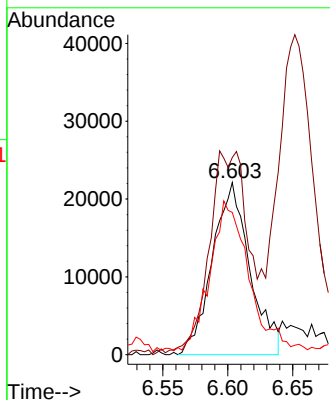
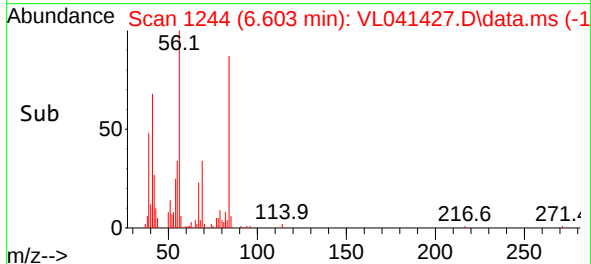
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02



Tgt Ion: 84 Resp: 44532
Ion Ratio Lower Upper
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56 118.8 111.2 166.8
41 90.1 70.3 105.5

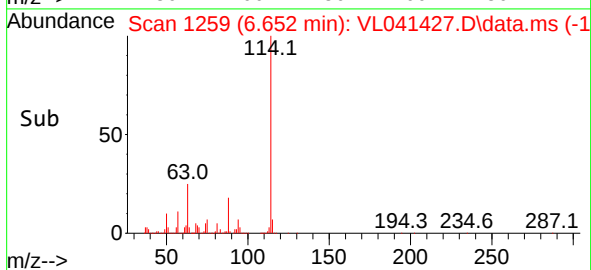
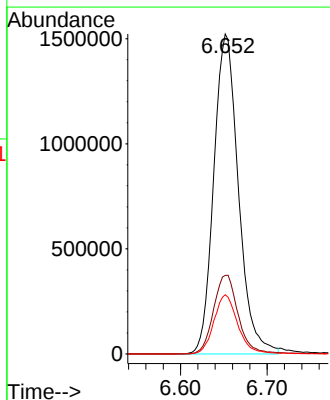
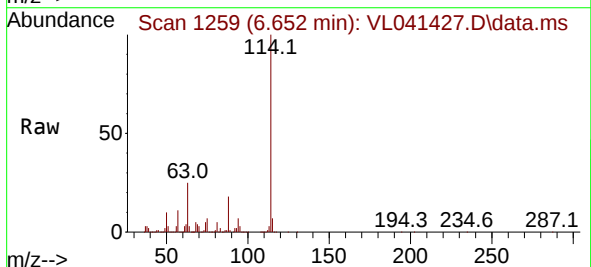
Manual Integrations
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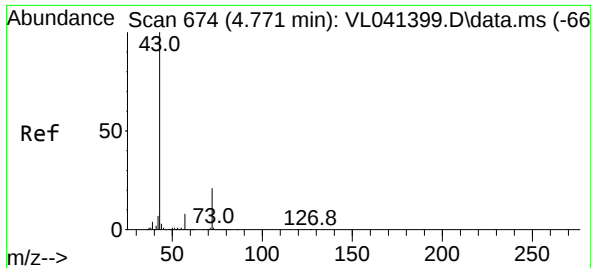
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. 0.007 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

Tgt Ion:114 Resp: 3010832
Ion Ratio Lower Upper
114 100
63 25.0 20.3 30.5
88 18.1 14.3 21.5





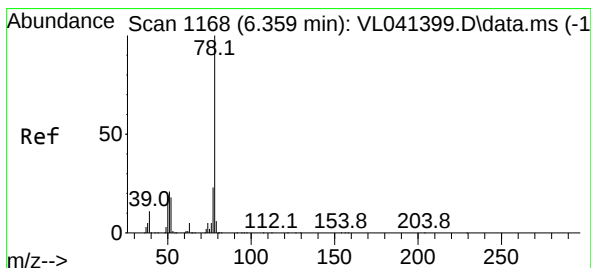
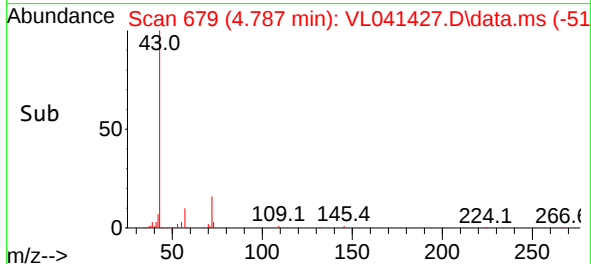
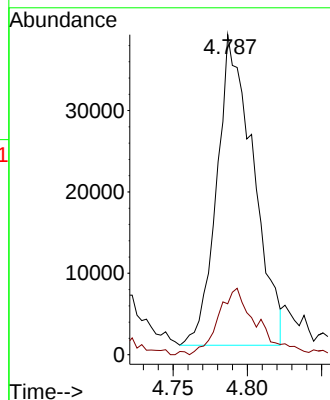
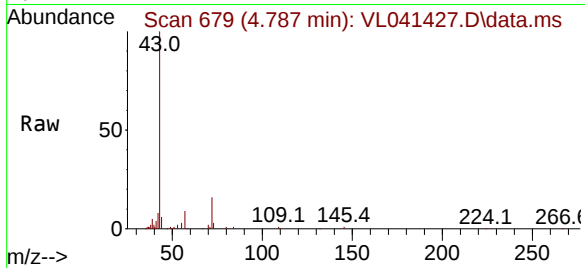
#34
2-Butanone
Concen: 0.448 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

Instrument :
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ClientSampleId :
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Tgt Ion: 43 Resp: 65209
Ion Ratio Lower Upper
43 100
72 23.2 17.3 25.9

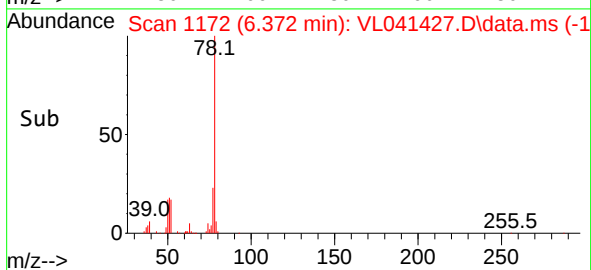
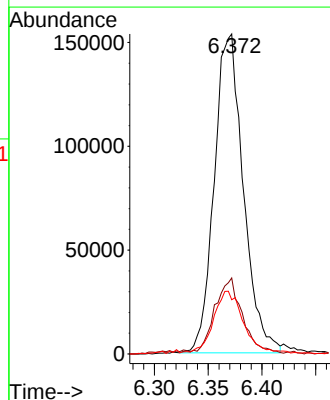
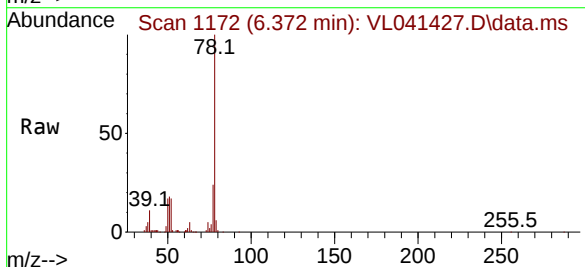
Manual Integrations
APPROVED

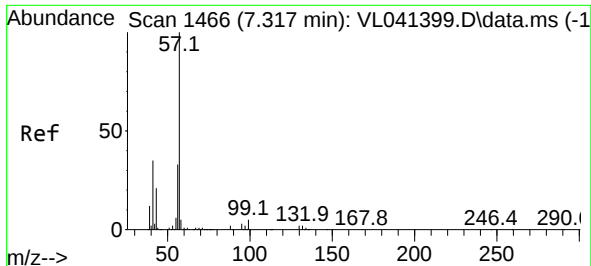
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#36
Benzene
Concen: 1.314 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.013 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

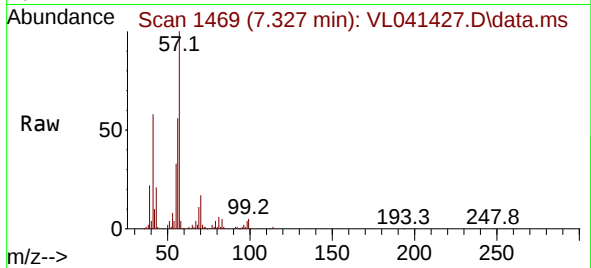
Tgt Ion: 78 Resp: 289004
Ion Ratio Lower Upper
78 100
77 23.4 18.1 27.1
50 16.6 15.5 23.3





#44
2,2,4-Trimethylpentane
Concen: 0.420 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. 0.010 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

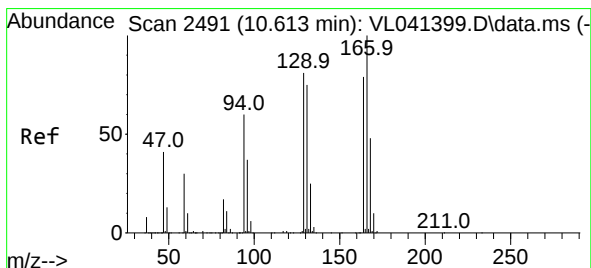
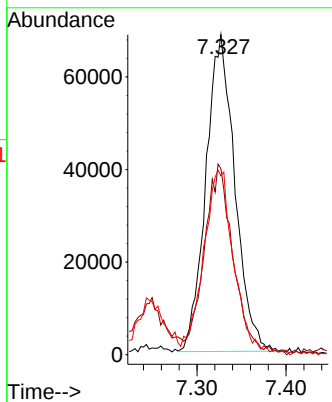
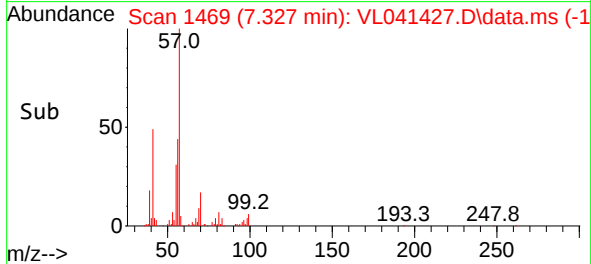
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02



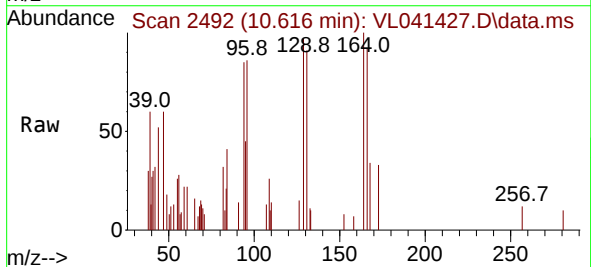
Tgt Ion: 57 Resp: 154409
Ion Ratio Lower Upper
57 100
41 59.1 27.0 40.6
56 61.6 25.2 37.8

Manual Integrations
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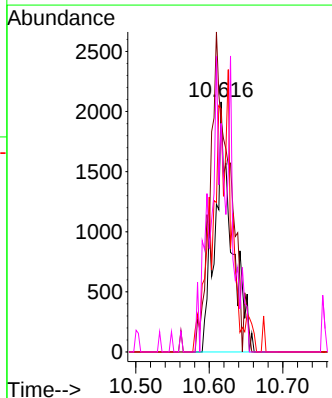
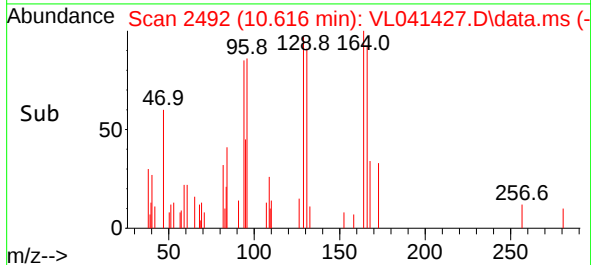
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

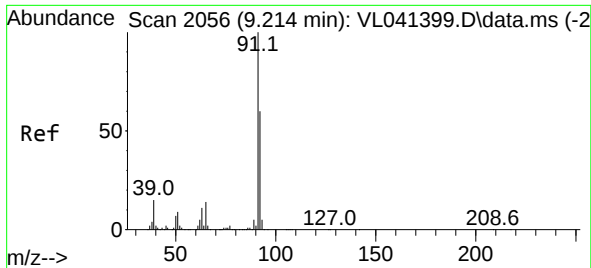


#52
Tetrachloroethene
Concen: 0.038 ppbv m
RT: 10.616 min Scan# 2492
Delta R.T. 0.007 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35



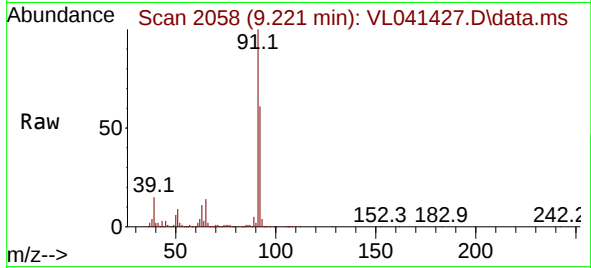
Tgt Ion:164 Resp: 3268
Ion Ratio Lower Upper
164 100
166 92.4 101.1 151.7#
129 97.2 81.7 122.5
131 91.4 76.2 114.4





#53
Toluene
Concen: 7.045 ppbv
RT: 9.221 min Scan# 2056
Delta R.T. 0.003 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

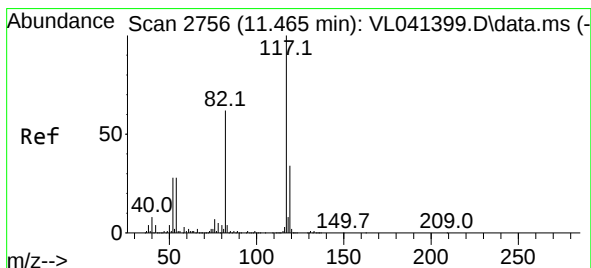
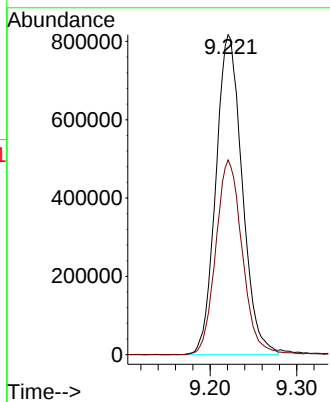
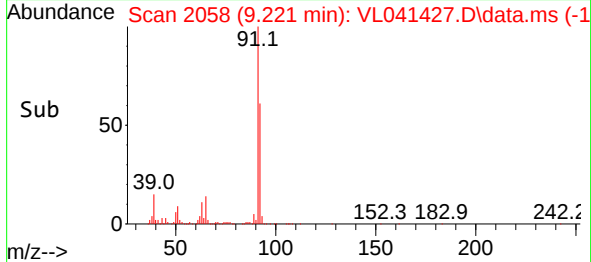
Instrument :
MSVOA_1
ClientSampleId :
ACVI-SS-02



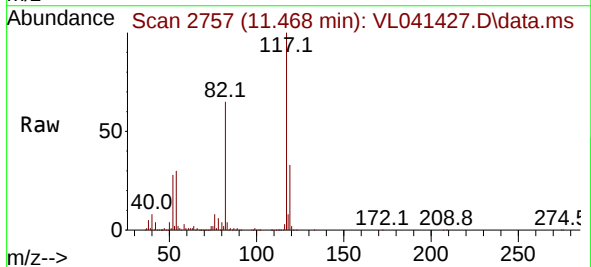
Tgt Ion: 91 Resp: 172635
Ion Ratio Lower Upper
91 100
92 61.5 48.7 73.1

Manual Integrations
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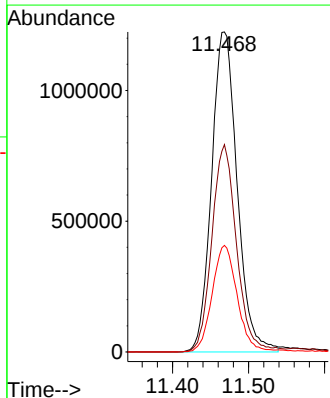
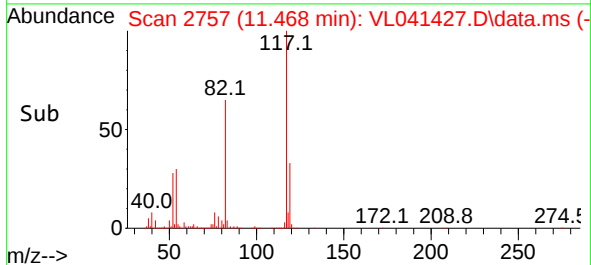
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

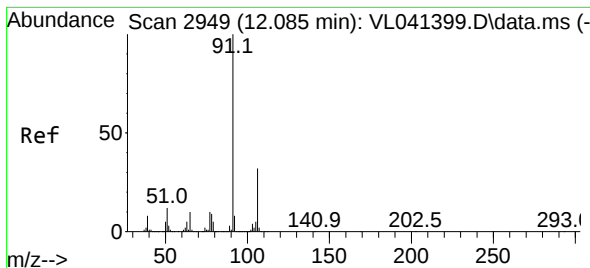


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35



Tgt Ion:117 Resp: 2860903
Ion Ratio Lower Upper
117 100
82 64.5 51.0 76.6
119 33.0 45.2 67.8#





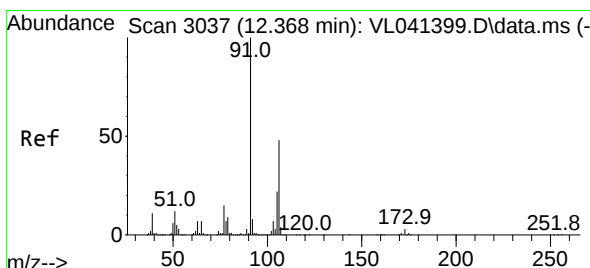
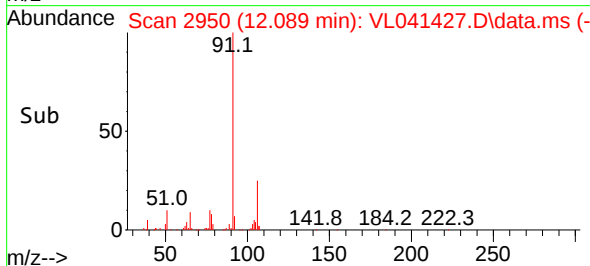
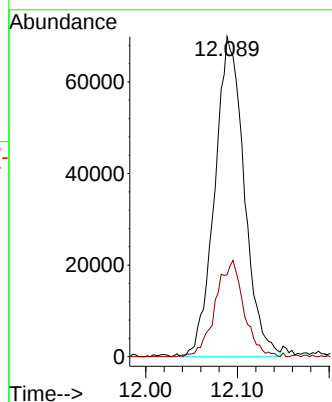
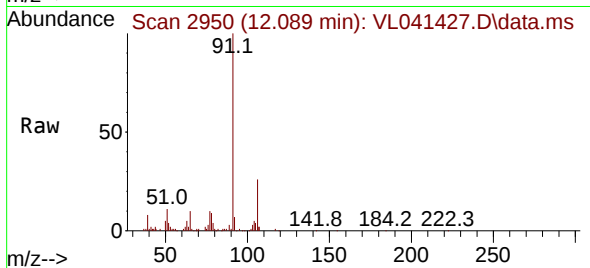
#58
Ethyl Benzene
Concen: 0.473 ppbv
RT: 12.089 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02

Tgt Ion: 91 Resp: 15594
Ion Ratio Lower Upper
91 100
106 25.6 25.8 38.8

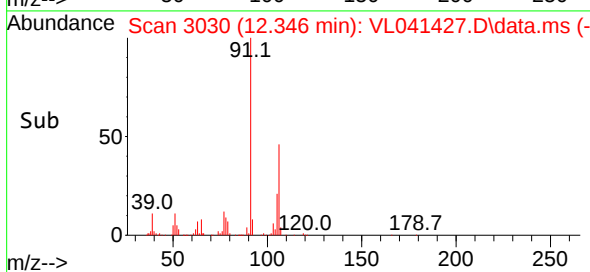
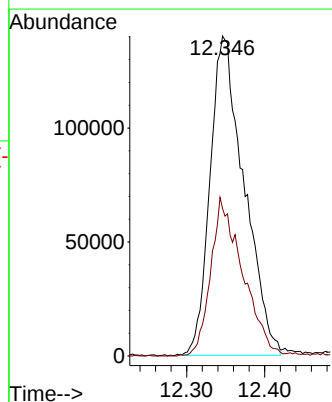
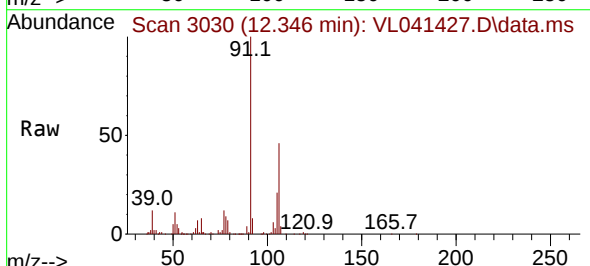
Manual Integrations
APPROVED

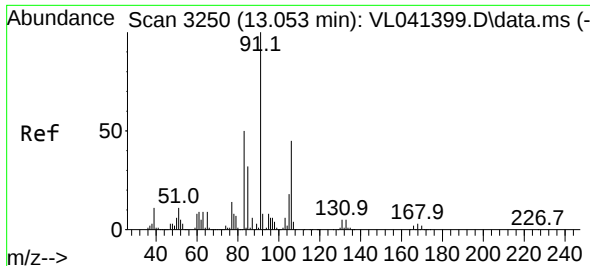
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#59
m/p-Xylene
Concen: 1.493 ppbv
RT: 12.346 min Scan# 3030
Delta R.T. -0.022 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

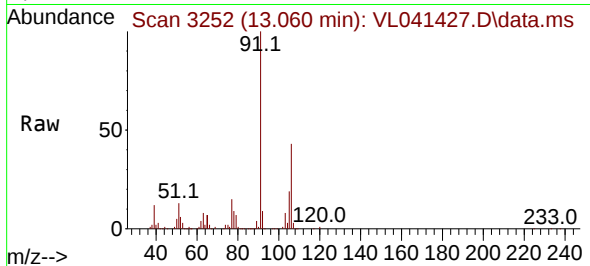
Tgt Ion: 91 Resp: 425126
Ion Ratio Lower Upper
91 100
106 47.2 36.3 54.5





#60
o-Xylene
Concen: 0.710 ppbv
RT: 13.060 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

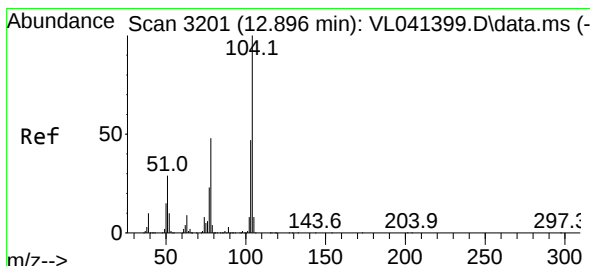
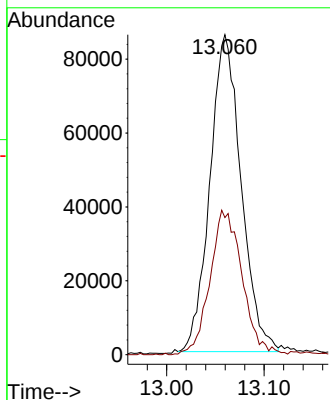
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02



Tgt Ion: 91 Resp: 191134
Ion Ratio Lower Upper
91 100
106 47.6 23.1 69.3

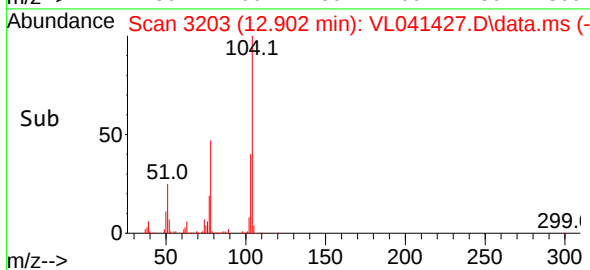
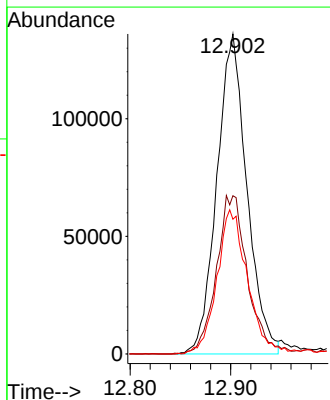
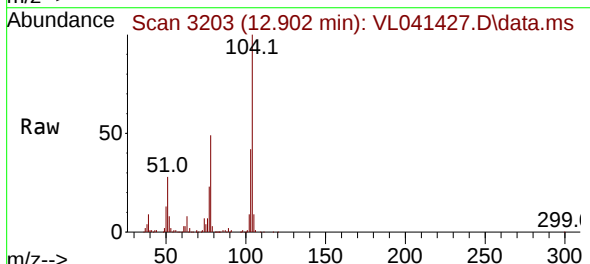
Manual Integrations
APPROVED

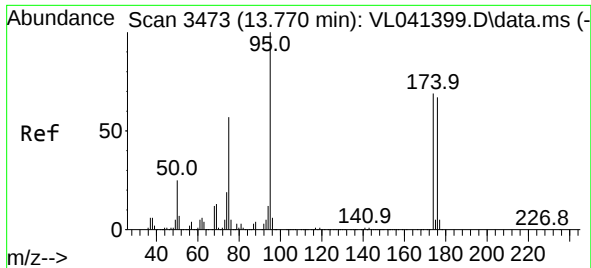
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024



#61
Styrene
Concen: 2.323 ppbv
RT: 12.902 min Scan# 3203
Delta R.T. 0.007 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

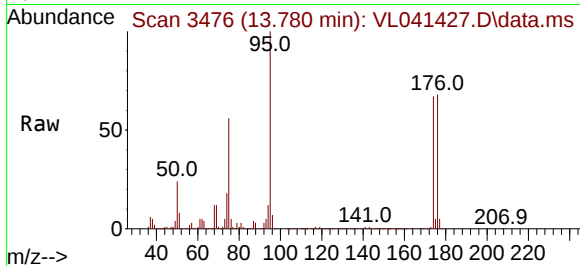
Tgt Ion:104 Resp: 282224
Ion Ratio Lower Upper
104 100
78 51.7 40.8 61.2
103 47.2 38.2 57.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.068 ppbv
RT: 13.780 min Scan# 3473
Delta R.T. 0.007 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35

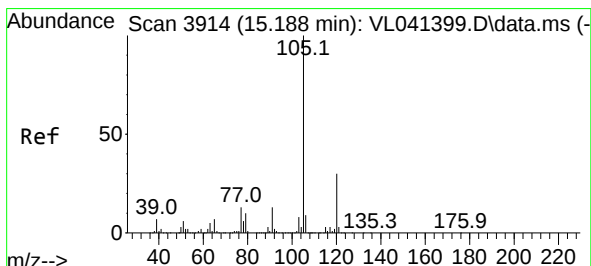
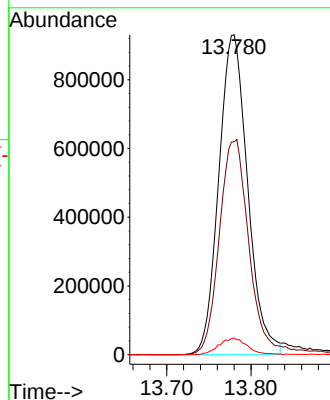
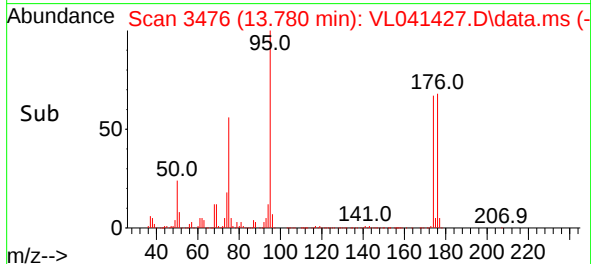
Instrument :
MSVOA_L
ClientSampleId :
ACVI-SS-02



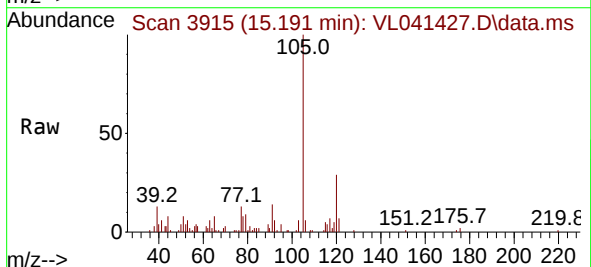
Tgt Ion: 95 Resp: 221656
Ion Ratio Lower Upper
95 100
174 71.6 56.3 84.5
175 5.2 4.0 6.0

Manual Integrations
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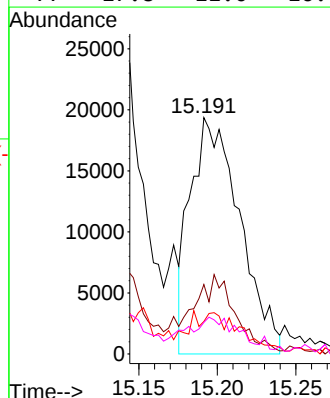
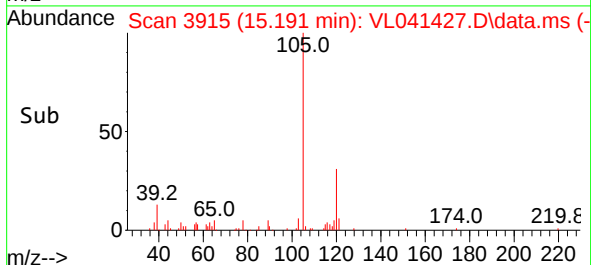
Reviewed By :Mahesh Dadoda 07/30/2024
Supervised By :Semsettin Yesilyurt 07/30/2024

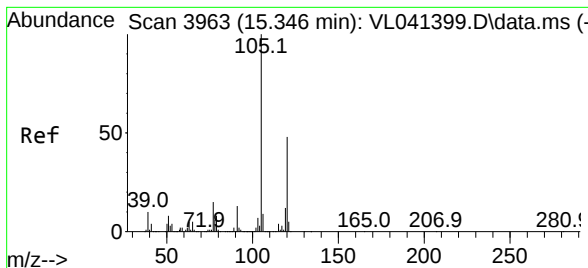


#72
4-Ethyltoluene
Concen: 0.134 ppbv m
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041427.D
Acq: 29 Jul 2024 13:35



Tgt Ion:105 Resp: 42497
Ion Ratio Lower Upper
105 100
120 31.8 24.2 36.2
91 0.0 10.4 15.6#
77 17.8 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.123 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041427.D

Acq: 29 Jul 2024 13:35

Instrument :

MSVOA_L

ClientSampleId :

ACVI-SS-02

Tgt Ion:105 Resp: 3351

Ion Ratio Lower Upper

105 100

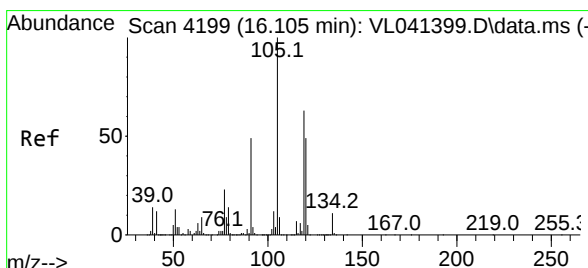
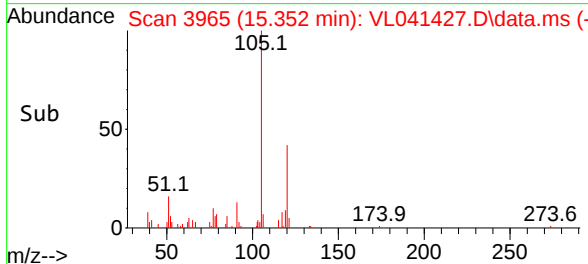
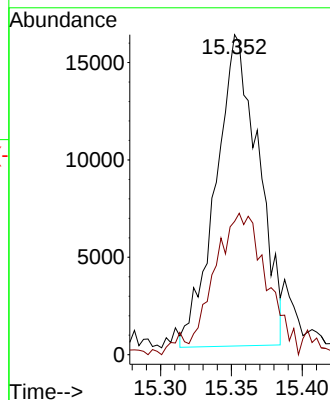
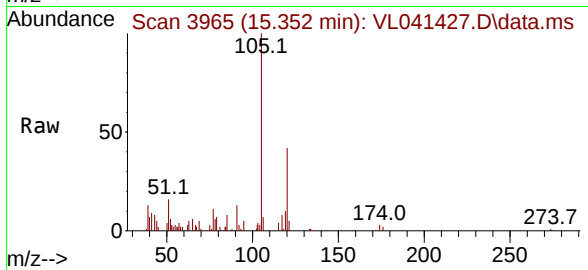
120 36.8 38.6 57.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/30/2024

Supervised By :Semsettin Yesilyurt 07/30/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.456 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.003 min

Lab File: VL041427.D

Acq: 29 Jul 2024 13:35

Tgt Ion:105 Resp: 144930

Ion Ratio Lower Upper

105 100

120 38.5 39.5 59.3#

91 9.3 39.8 59.8#

77 10.6 18.2 27.4#

