

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041316.D
 Acq On : 4 Jun 2024 23:17
 Operator : SY/MD
 Sample : P2682-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 05 05:31:46 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	816280	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2195150	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2018588	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1567002	10.054	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.758	85	35857	0.275	ppbv	97
3) Chlorodifluoromethane	2.706	51	75791m	0.588	ppbv	
4) Chloromethane	2.845	50	33091	0.682	ppbv	96
9) Propene	2.735	41	81410	1.772	ppbv #	71
10) Heptane	7.584	43	13510m	0.124	ppbv	
11) Trichlorofluoromethane	3.587	101	27124	0.226	ppbv	94
13) Ethanol	2.829	45	91918m	7.689	ppbv	
15) Acetone	3.507	43	367346m	3.942	ppbv	
20) Methylene Chloride	3.951	84	1548362	45.709	ppbv	96
26) Hexane	5.224	57	2121545	25.587	ppbv #	41
30) Cyclohexane	6.613	84	10092m	0.150	ppbv	
35) Carbon Tetrachloride	6.500	117	9038m	0.072	ppbv	
36) Benzene	6.378	78	25046m	0.147	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	138213	0.472	ppbv	91
53) Toluene	9.217	91	566398	2.894	ppbv	99
58) Ethyl Benzene	12.092	91	85905m	0.332	ppbv	
59) m/p-Xylene	12.339	91	368982	1.664	ppbv	97
60) o-Xylene	13.050	91	126320	0.598	ppbv	96
61) Styrene	12.889	104	91546	0.884	ppbv	99
72) 4-Ethyltoluene	15.185	105	30327m	0.123	ppbv	
73) 1,3,5-Trimethylbenzene	15.343	105	30175	0.141	ppbv	95
74) 1,2,4-Trimethylbenzene	16.105	105	79286m	0.328	ppbv	

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

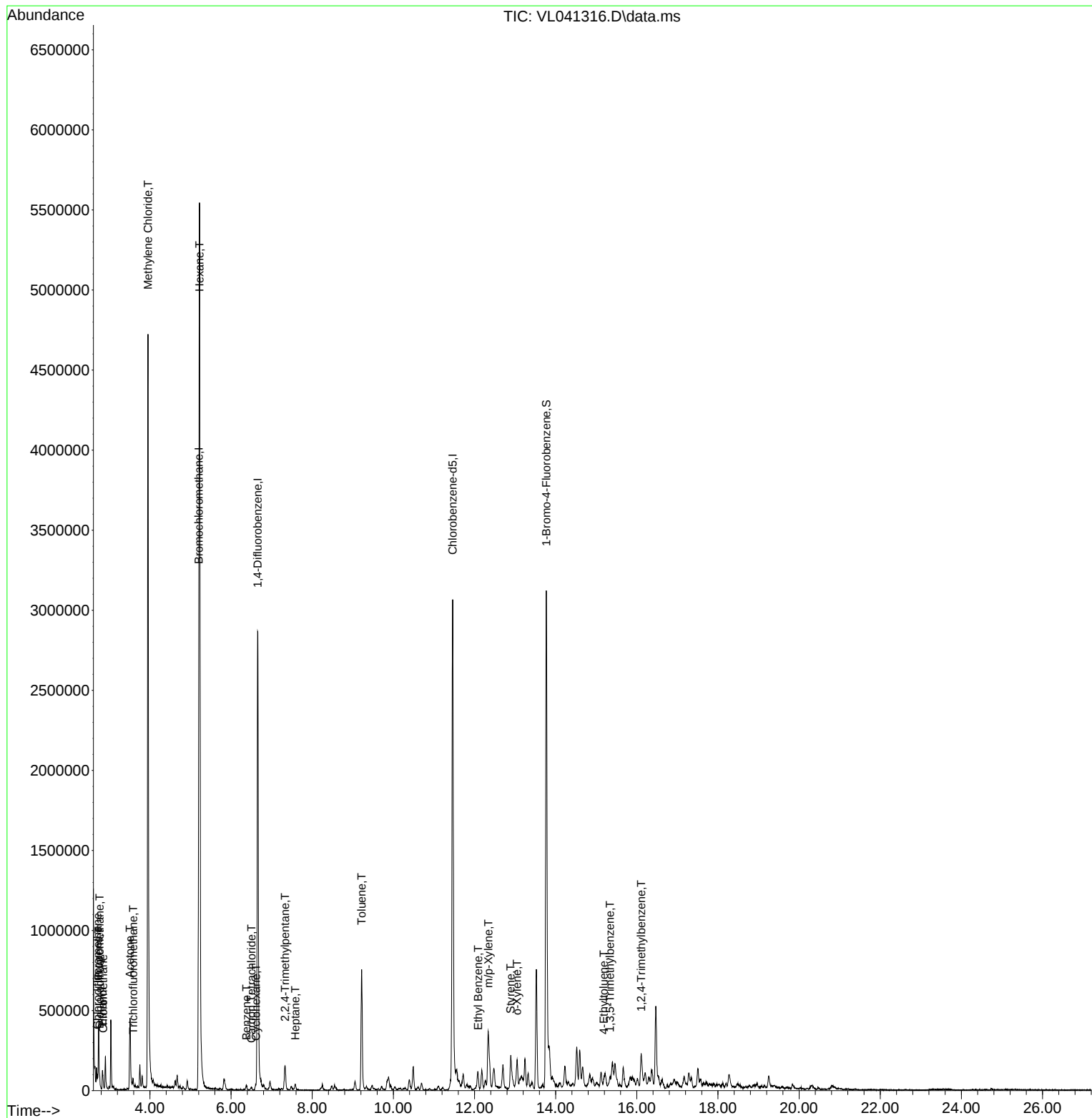
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
Data File : VL041316.D
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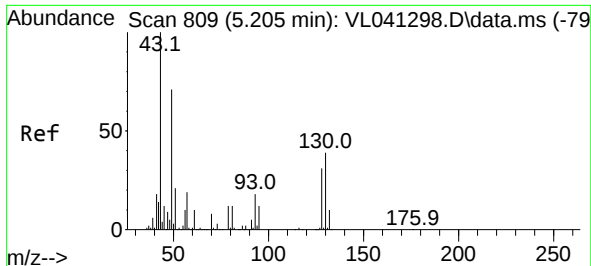
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jun 05 05:31:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jun 05 04:42:10 2024
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Manual Integrations
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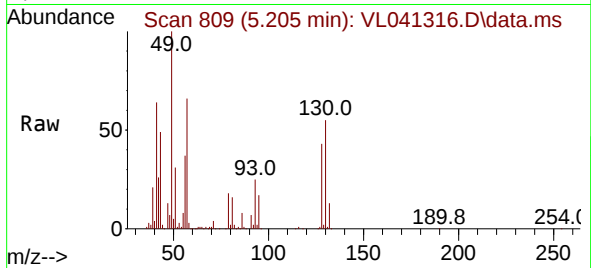
Reviewed By : Semsettin Yesilyurt 06/05/2024
Supervised By : Mahesh Dadoda 06/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 809
Delta R.T. -0.000 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

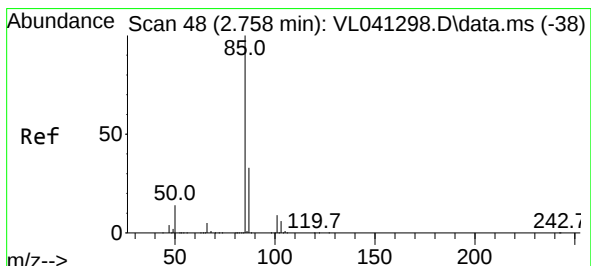
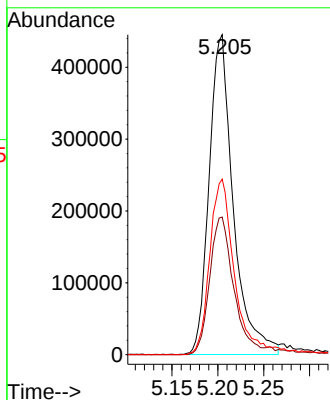
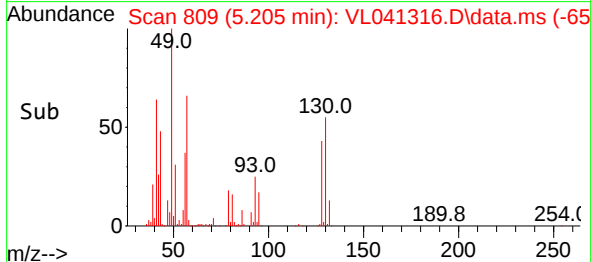
Instrument :
MSVOA_L
ClientSampleId :
IA1



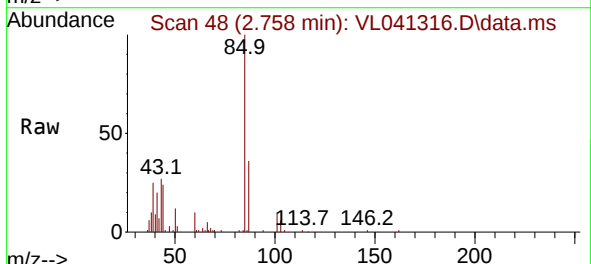
Tgt Ion: 49 Resp: 816280
Ion Ratio Lower Upper
49 100
128 45.4 22.8 68.3
130 58.3 28.4 85.3

Manual Integrations
APPROVED

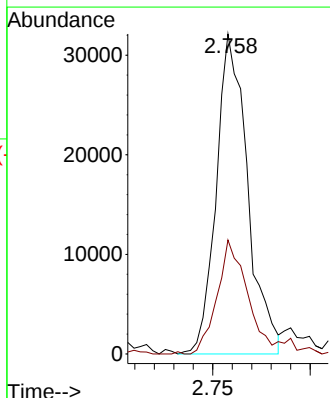
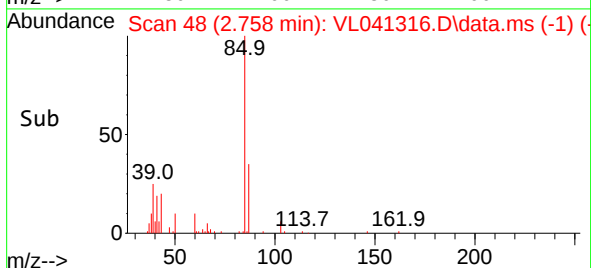
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

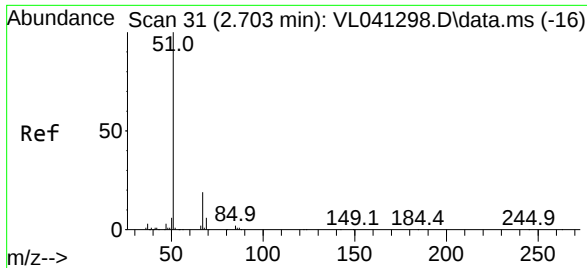


#2
Dichlorodifluoromethane
Concen: 0.275 ppbv
RT: 2.758 min Scan# 48
Delta R.T. 0.000 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17



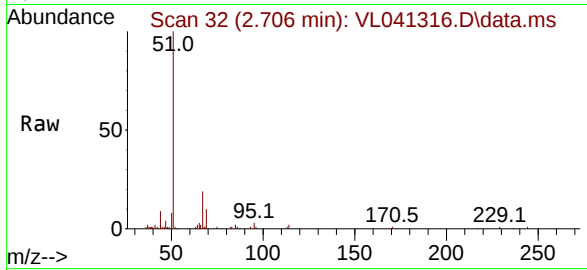
Tgt Ion: 85 Resp: 35857
Ion Ratio Lower Upper
85 100
87 34.9 26.5 39.7





#3
Chlorodifluoromethane
Concen: 0.588 ppbv m
RT: 2.706 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

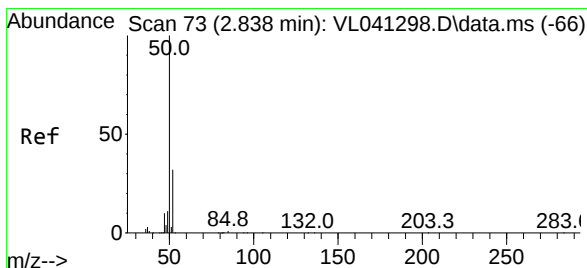
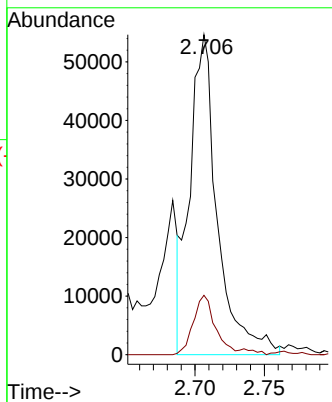
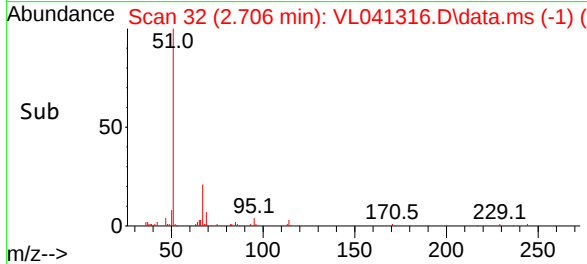
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 7579
Ion Ratio Lower Upper
51 100
67 16.5 14.7 22.1

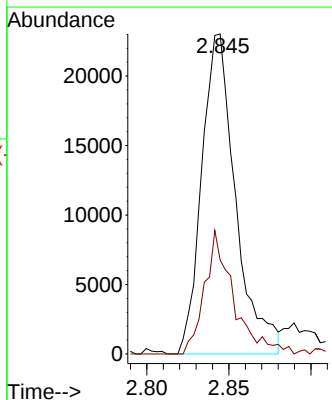
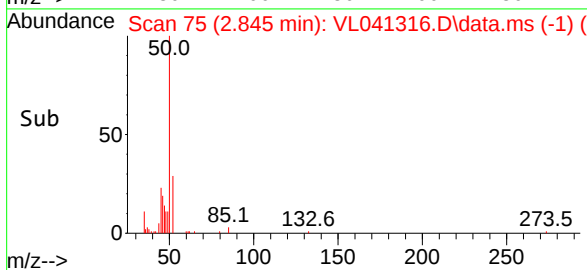
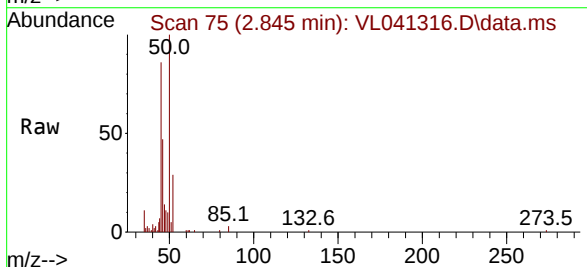
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Supervised By :Mahesh Dadoda 06/05/2024

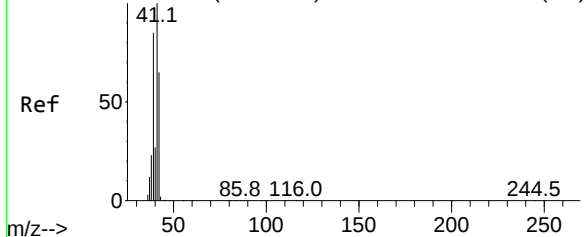


#4
Chloromethane
Concen: 0.682 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.006 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

Tgt Ion: 50 Resp: 33091
Ion Ratio Lower Upper
50 100
52 29.6 25.6 38.4



Abundance Scan 37 (2.722 min): VL041298.D\data.ms (-27)



#9

Propene

Concen: 1.772 ppbv

RT: 2.735 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 81410

Ion Ratio Lower Upper

41 100

42 45.2 55.2 82.8

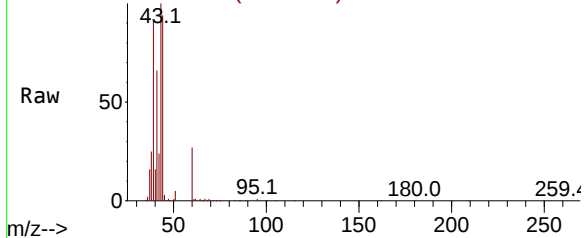
Manual Integrations

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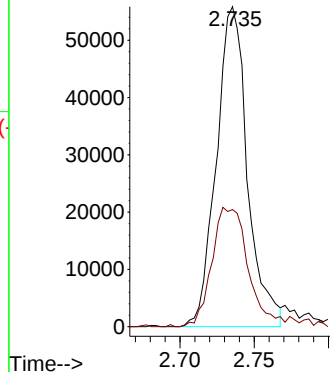
Reviewed By :Semsettin Yesilyurt 06/05/2024

Supervised By :Mahesh Dadoda 06/05/2024

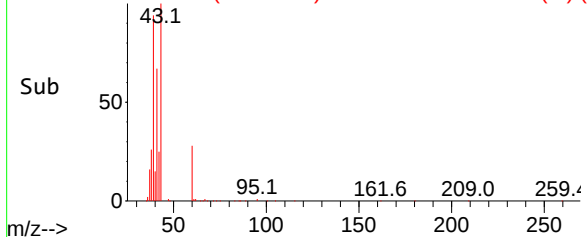
Abundance Scan 41 (2.735 min): VL041316.D\data.ms



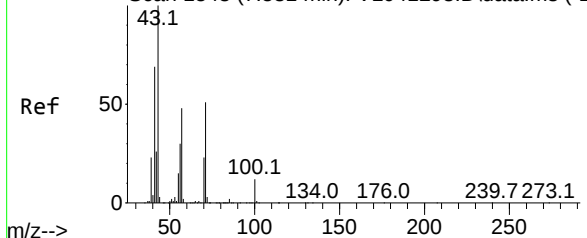
Abundance



Abundance Scan 41 (2.735 min): VL041316.D\data.ms (-1)



Abundance Scan 1548 (7.581 min): VL041298.D\data.ms (-1)



#10

Heptane

Concen: 0.124 ppbv m

RT: 7.584 min Scan# 1549

Delta R.T. 0.003 min

Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

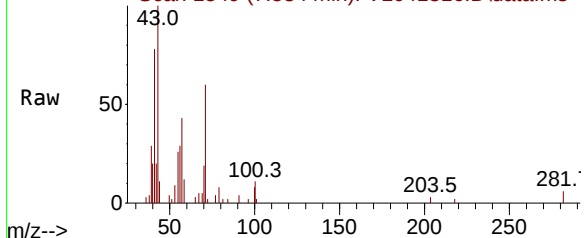
Tgt Ion: 43 Resp: 13510

Ion Ratio Lower Upper

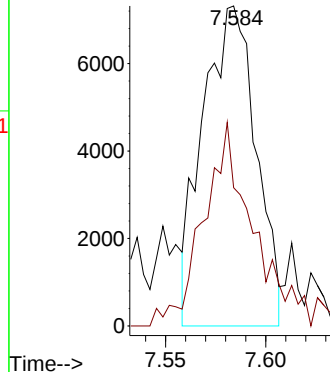
43 100

57 61.1 39.0 58.4

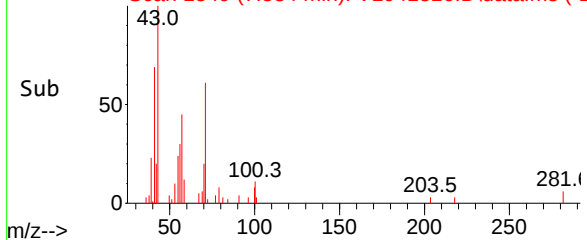
Abundance Scan 1549 (7.584 min): VL041316.D\data.ms

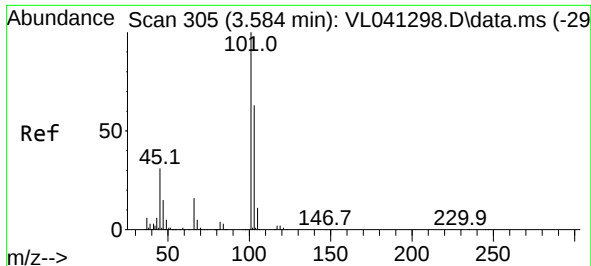


Abundance



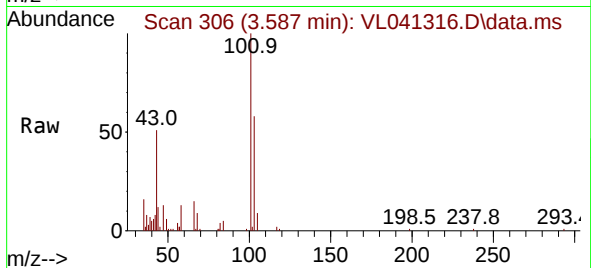
Abundance Scan 1549 (7.584 min): VL041316.D\data.ms (-1)





#11
Trichlorofluoromethane
Concen: 0.226 ppbv
RT: 3.587 min Scan# 305
Delta R.T. 0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

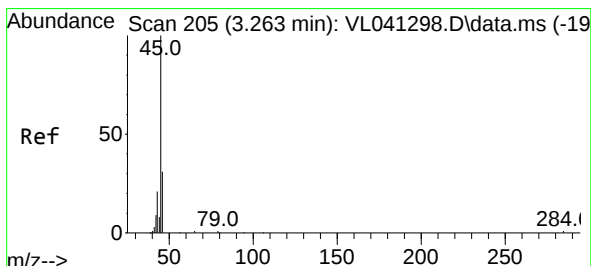
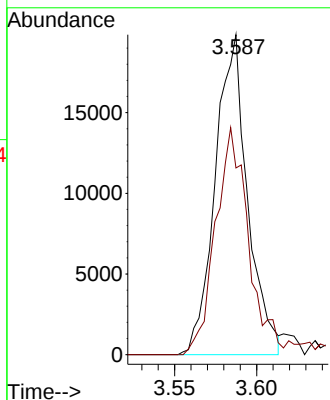
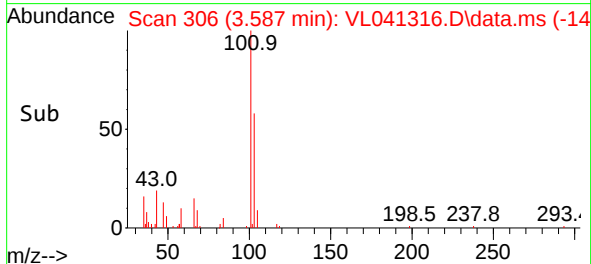
Instrument :
MSVOA_L
ClientSampleId :
IA1



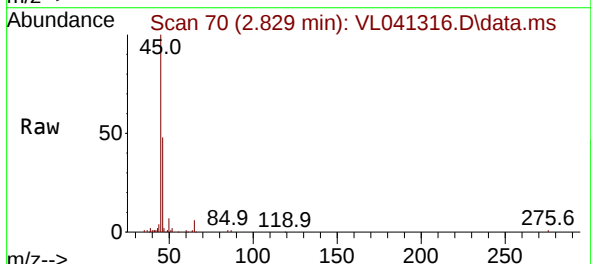
Tgt Ion:101 Resp: 27124
Ion Ratio Lower Upper
101 100
103 58.4 50.6 76.0

Manual Integrations
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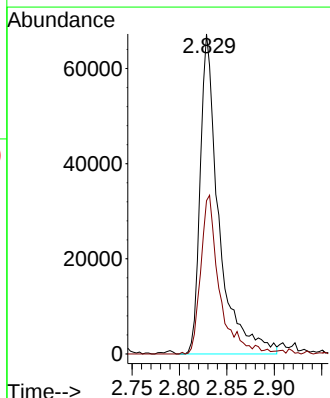
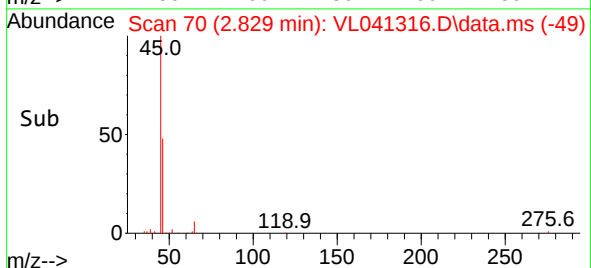
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

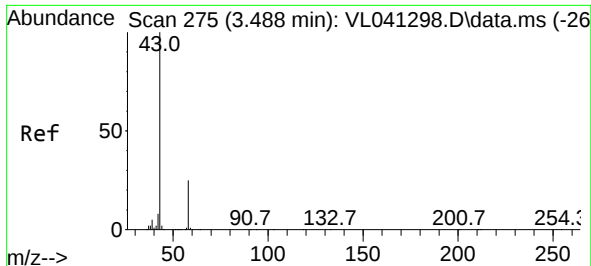


#13
Ethanol
Concen: 7.689 ppbv m
RT: 2.829 min Scan# 70
Delta R.T. -0.434 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17



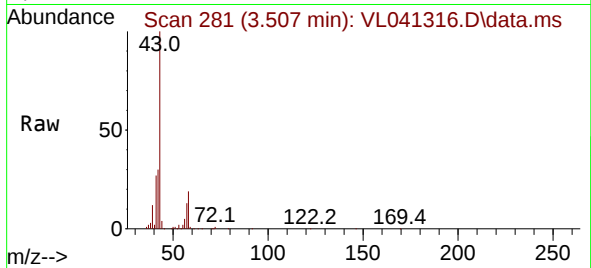
Tgt Ion: 45 Resp: 91918
Ion Ratio Lower Upper
45 100
46 0.0 14.2 56.6#





#15
Acetone
Concen: 3.942 ppbv m
RT: 3.507 min Scan# 2
Delta R.T. 0.019 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

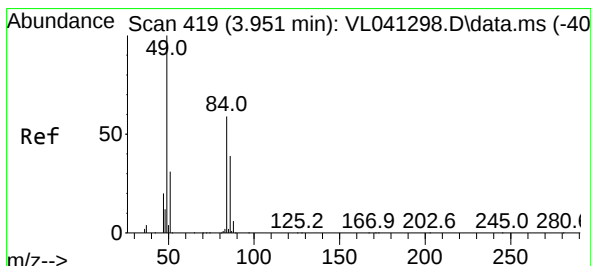
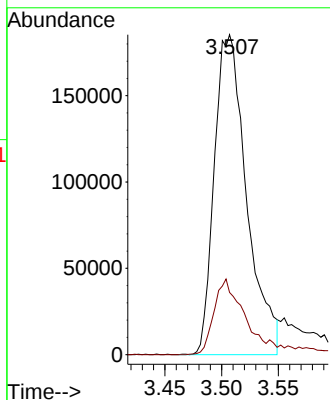
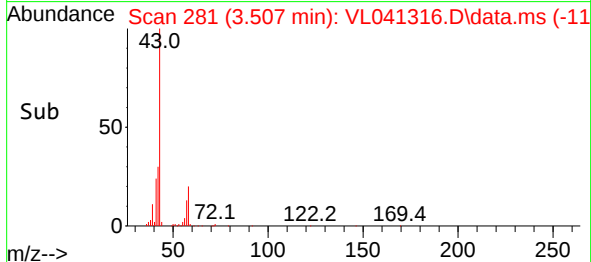
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 367340
Ion Ratio Lower Upper
43 100
58 0.0 20.6 31.0

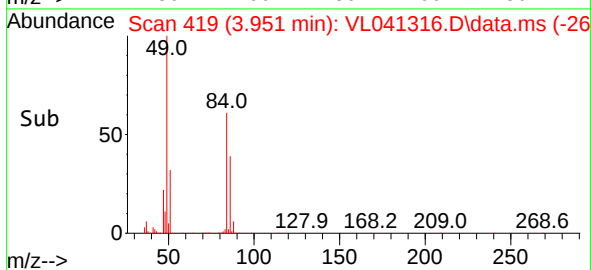
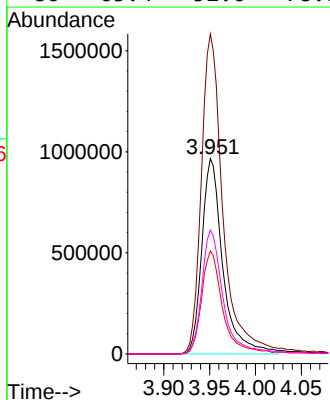
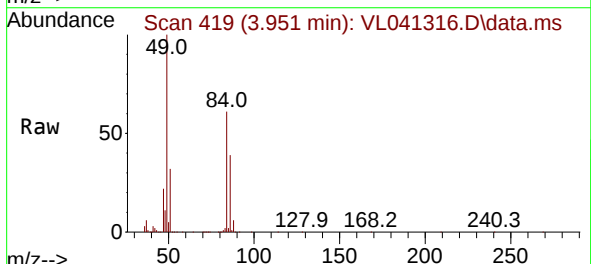
Manual Integrations
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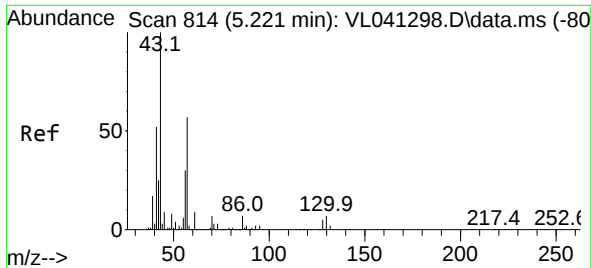
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#20
Methylene Chloride
Concen: 45.709 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.000 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

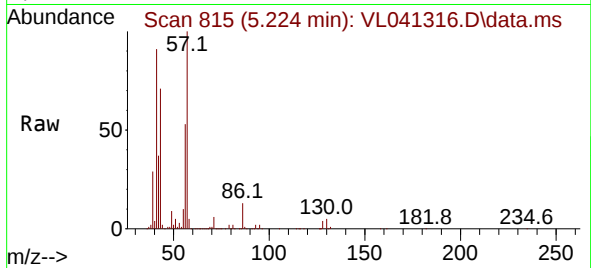
Tgt Ion: 84 Resp: 1548362
Ion Ratio Lower Upper
84 100
49 163.8 136.2 204.2
51 52.8 41.9 62.9
86 63.4 52.6 78.8





#26
Hexane
Concen: 25.587 ppbv
RT: 5.224 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

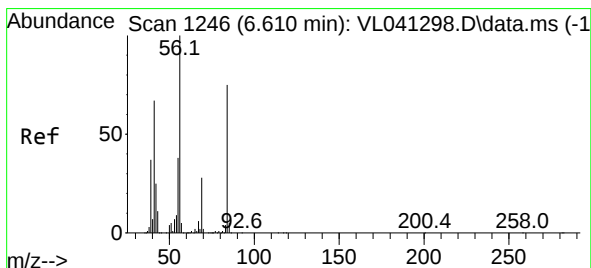
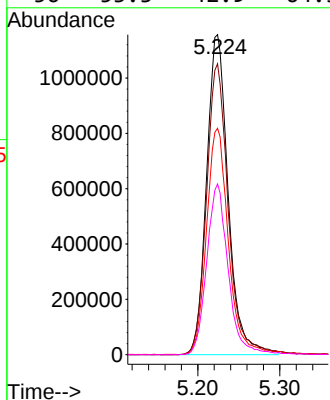
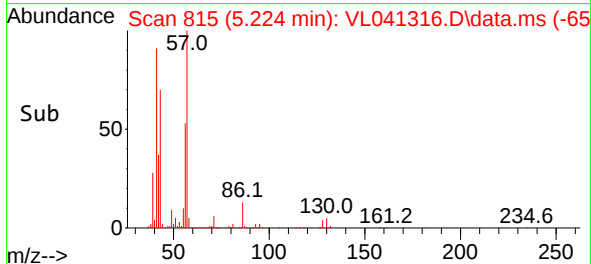
Instrument :
MSVOA_L
ClientSampleId :
IA1



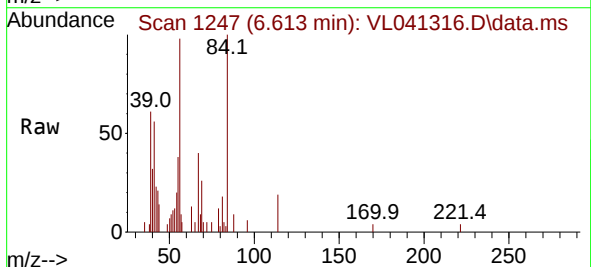
Tgt Ion: 57 Resp: 212154
Ion Ratio Lower Upper
57 100
41 92.5 77.1 115.7
43 72.5 186.1 279.1
56 53.3 42.9 64.3

Manual Integrations
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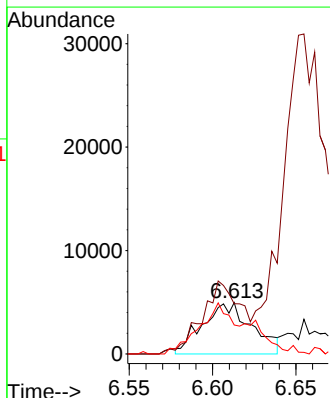
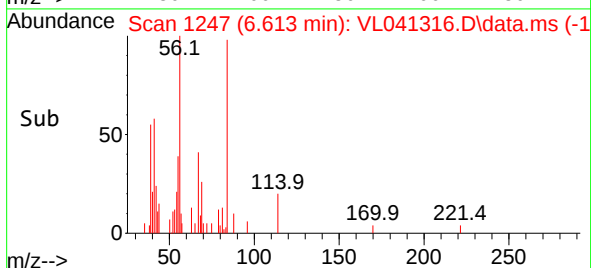
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024

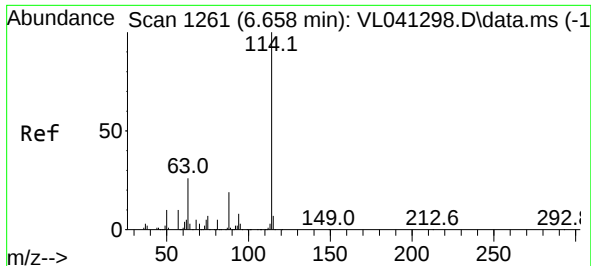


#30
Cyclohexane
Concen: 0.150 ppbv m
RT: 6.613 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17



Tgt Ion: 84 Resp: 10092
Ion Ratio Lower Upper
84 100
56 0.0 114.9 172.3#
41 0.0 74.4 111.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VL041316.D

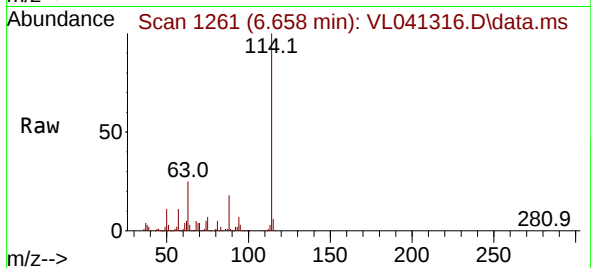
Acq: 4 Jun 2024 23:17

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:114 Resp: 2195150

Ion Ratio Lower Upper

114 100

63 25.7 20.6 30.8

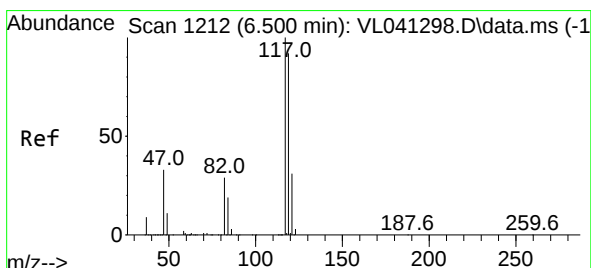
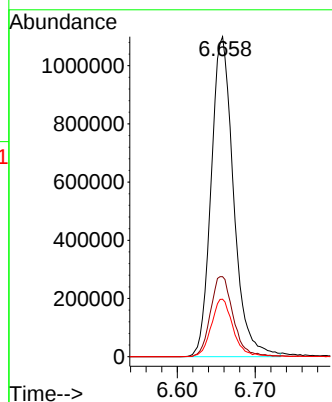
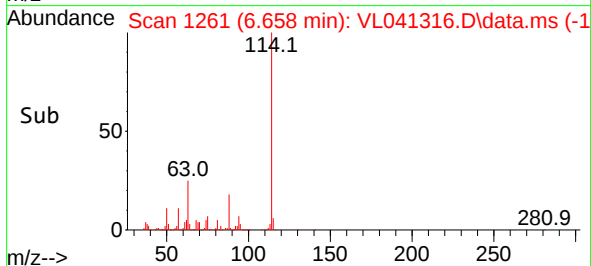
88 17.7 14.5 21.7

Manual Integrations

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#35

Carbon Tetrachloride

Concen: 0.072 ppbv m

RT: 6.500 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

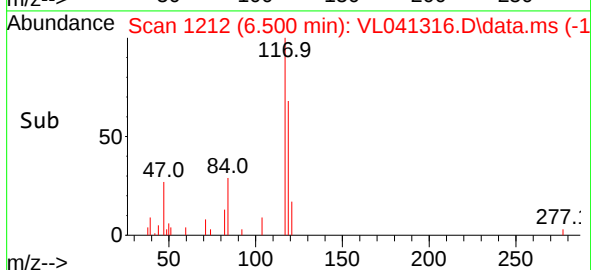
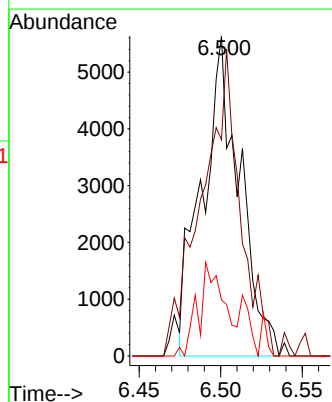
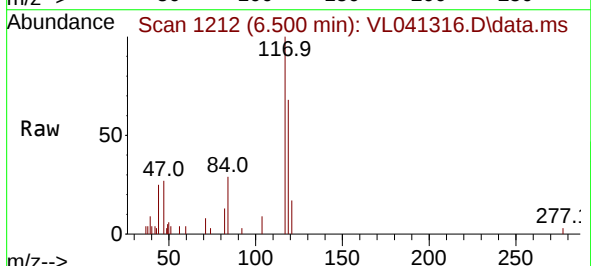
Tgt Ion:117 Resp: 9038

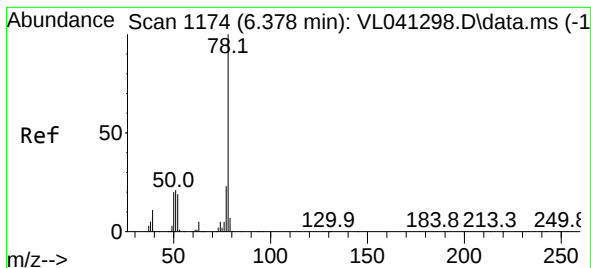
Ion Ratio Lower Upper

117 100

119 67.6 74.0 111.0#

121 17.5 24.8 37.2#





#36

Benzene

Concen: 0.147 ppbv m

RT: 6.378 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

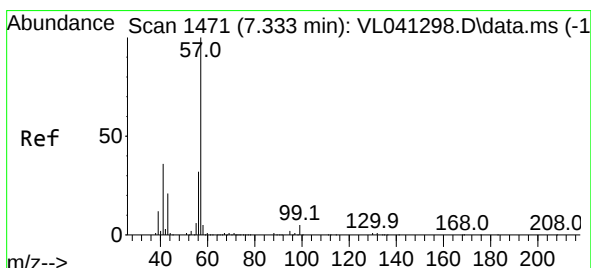
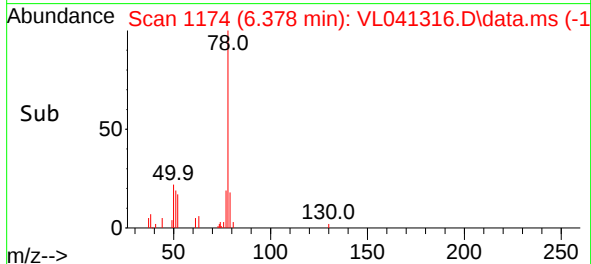
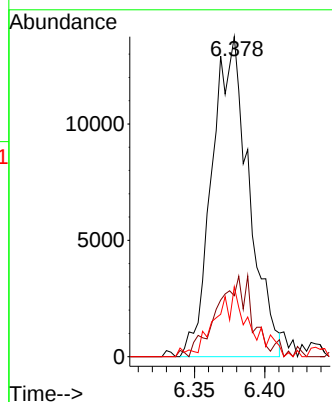
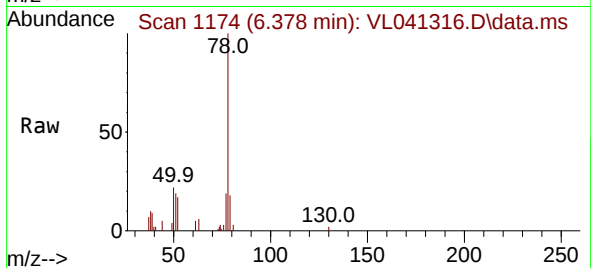
Tgt Ion: 78 Resp: 25040

Ion	Ratio	Lower	Upper
78	100		
77	19.0	18.6	28.0
50	21.9	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#44

2,2,4-Trimethylpentane

Concen: 0.472 ppbv

RT: 7.333 min Scan# 1471

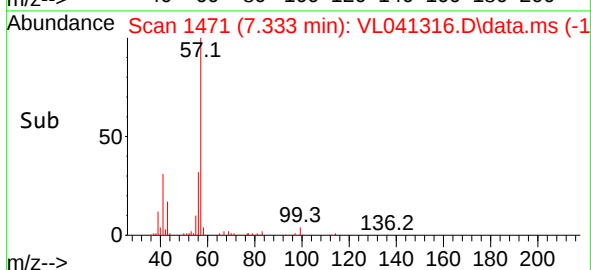
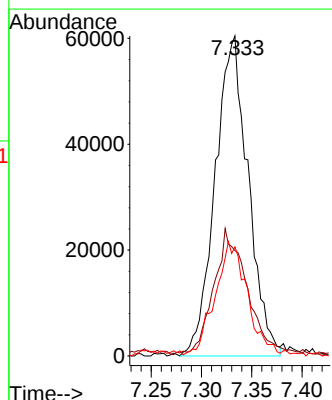
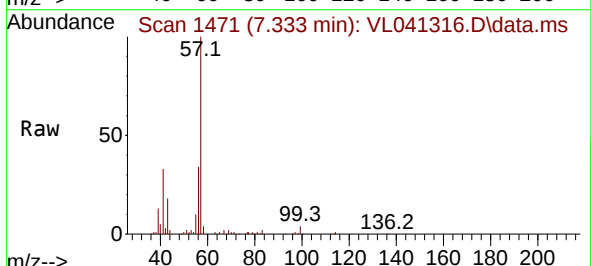
Delta R.T. 0.000 min

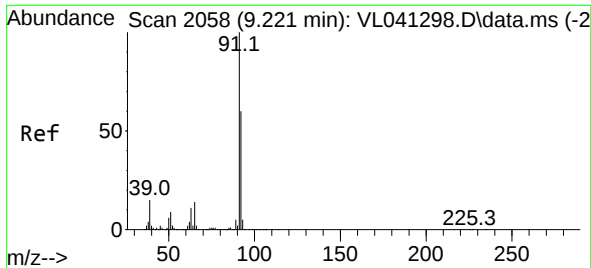
Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

Tgt Ion: 57 Resp: 138213

Ion	Ratio	Lower	Upper
57	100		
41	42.1	29.4	44.2
56	36.3	25.0	37.4





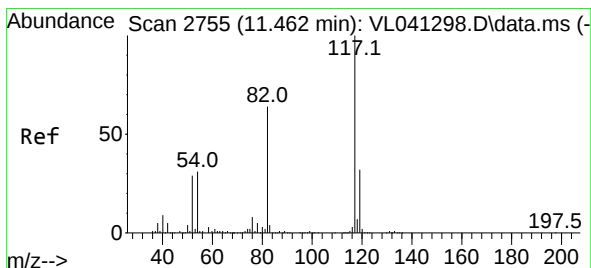
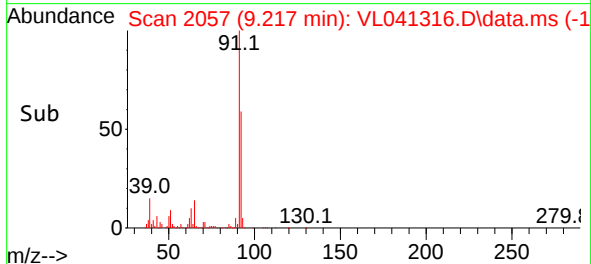
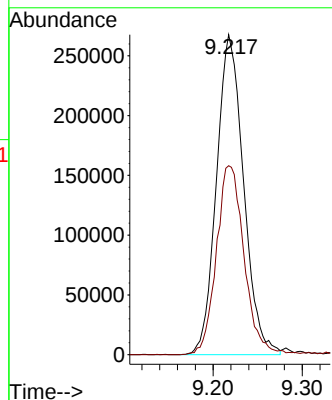
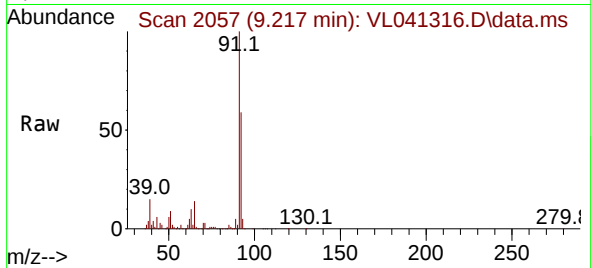
#53
Toluene
Concen: 2.894 ppbv
RT: 9.217 min Scan# 2058
Delta R.T. -0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 91 Resp: 566398
Ion Ratio Lower Upper
91 100
92 60.5 49.2 73.8

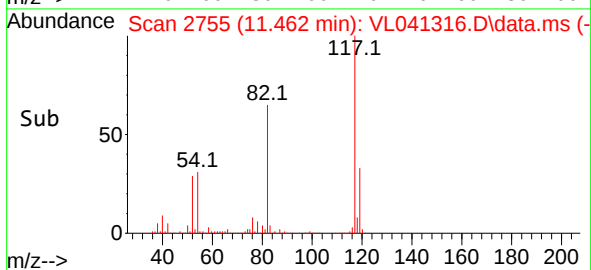
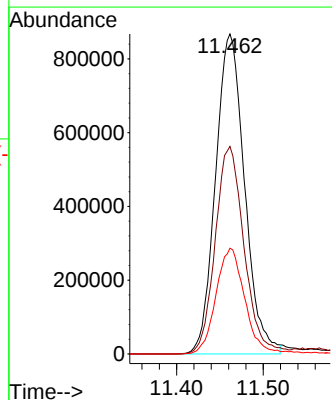
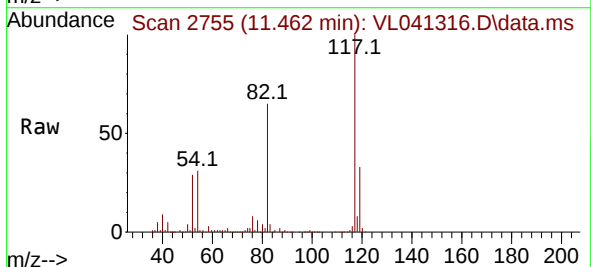
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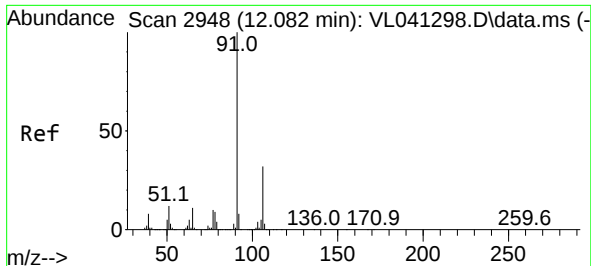
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.000 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

Tgt Ion:117 Resp: 2018588
Ion Ratio Lower Upper
117 100
82 64.6 52.3 78.5
119 33.7 26.2 39.2





#58

Ethyl Benzene

Concen: 0.332 ppbv m

RT: 12.092 min Scan# 2948

Delta R.T. 0.010 min

Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 8590

Ion Ratio Lower Upper

91 100

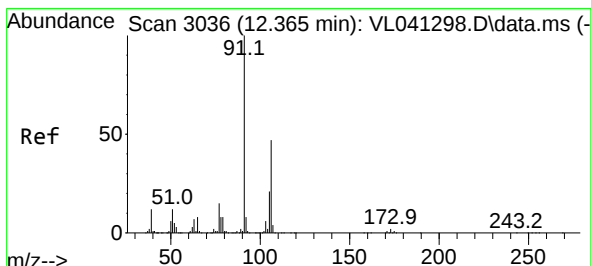
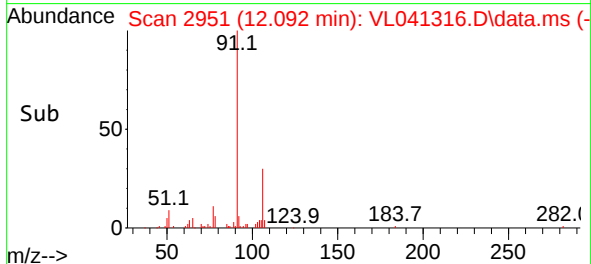
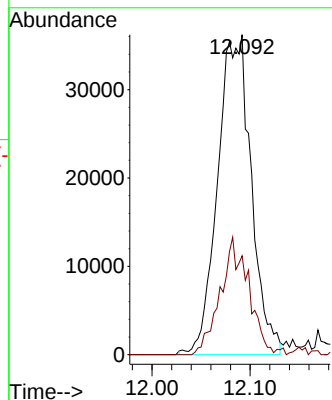
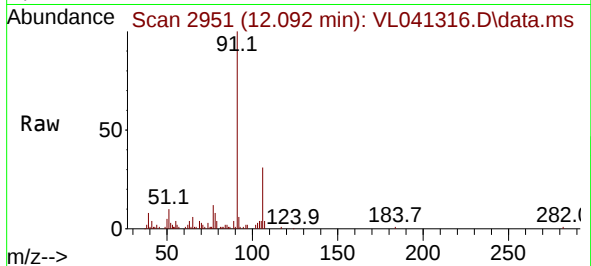
106 30.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024

Supervised By :Mahesh Dadoda 06/05/2024



#59

m/p-Xylene

Concen: 1.664 ppbv

RT: 12.339 min Scan# 3028

Delta R.T. -0.026 min

Lab File: VL041316.D

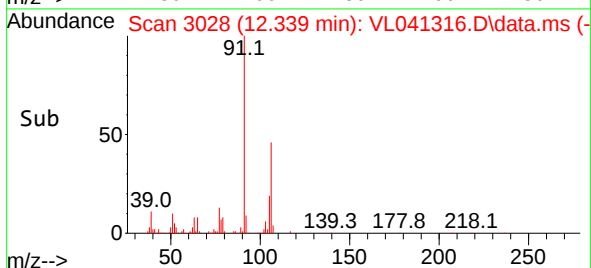
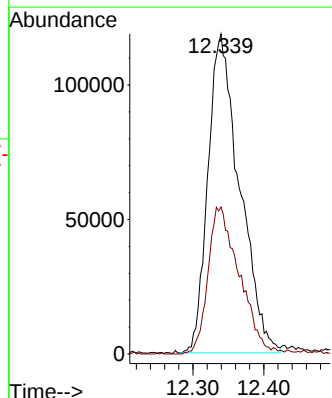
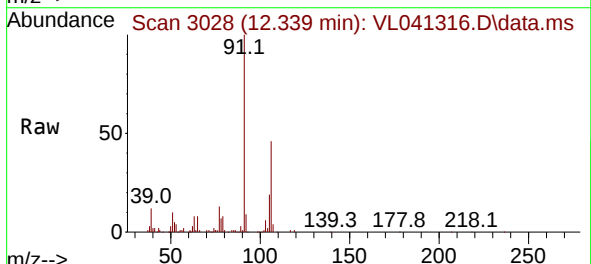
Acq: 4 Jun 2024 23:17

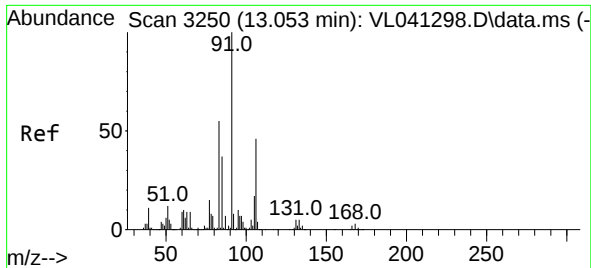
Tgt Ion: 91 Resp: 368982

Ion Ratio Lower Upper

91 100

106 46.4 35.7 53.5





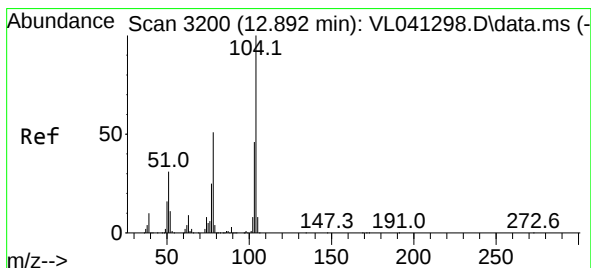
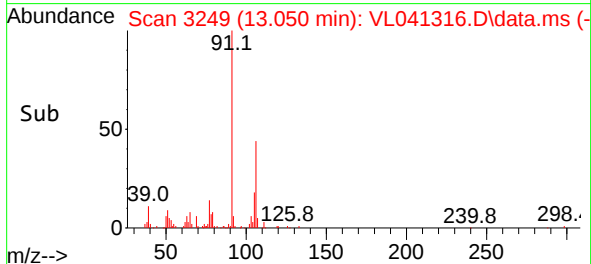
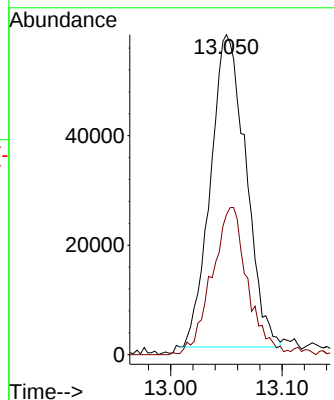
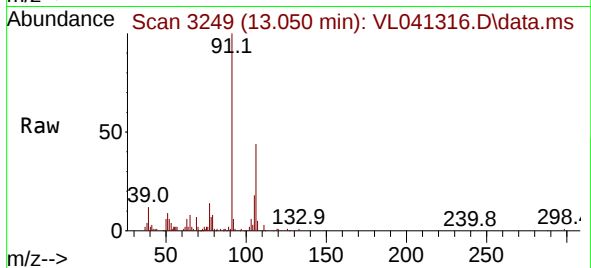
#60
o-Xylene
Concen: 0.598 ppbv
RT: 13.050 min Scan# 3199
Delta R.T. -0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 126320
Ion Ratio Lower Upper
91 100
106 48.1 22.8 68.4

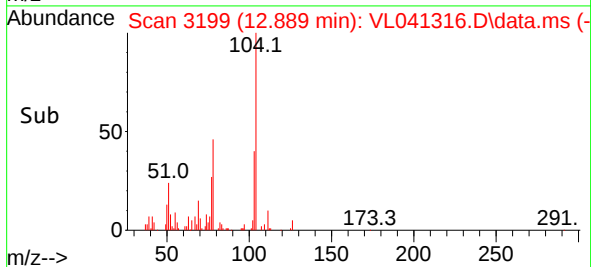
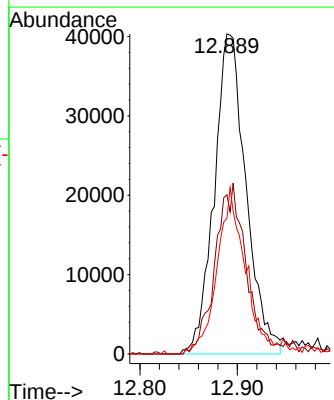
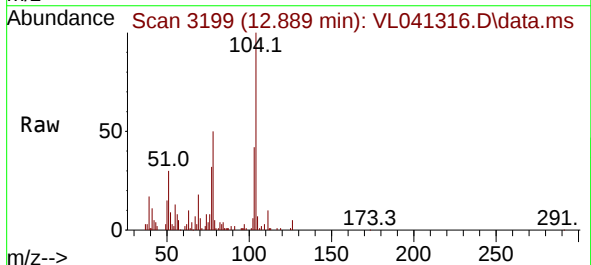
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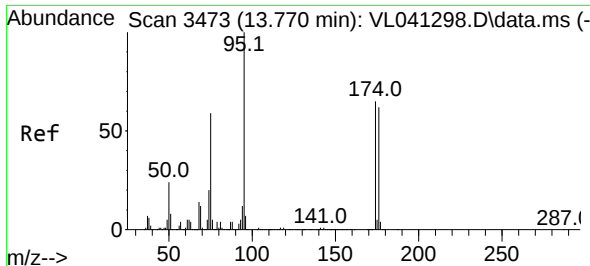
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#61
Styrene
Concen: 0.884 ppbv
RT: 12.889 min Scan# 3199
Delta R.T. -0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

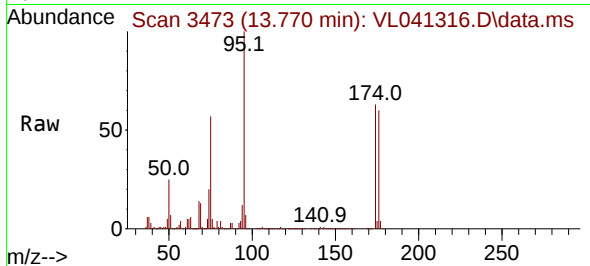
Tgt Ion:104 Resp: 91546
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.4
103 46.8 37.9 56.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.054 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

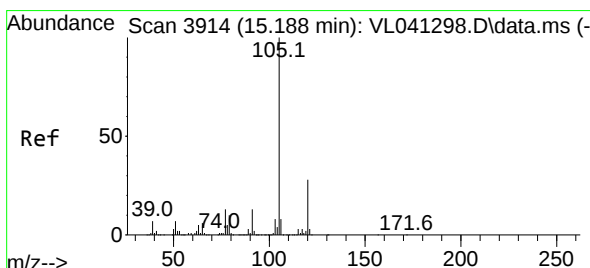
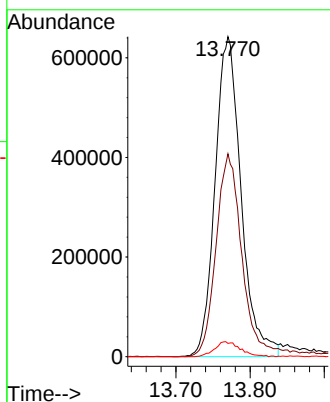
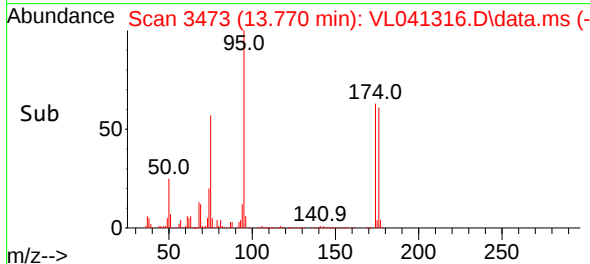
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 95 Resp: 156700
Ion Ratio Lower Upper
95 100
174 66.0 52.2 78.2
175 4.7 4.1 6.1

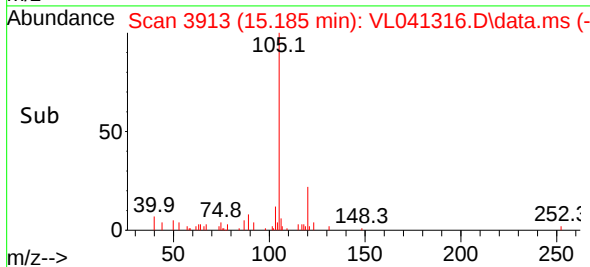
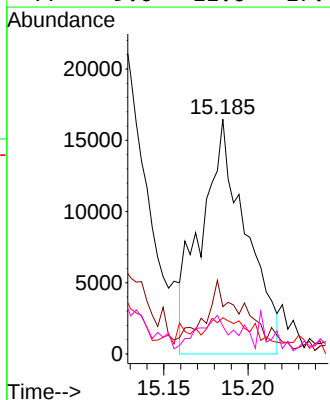
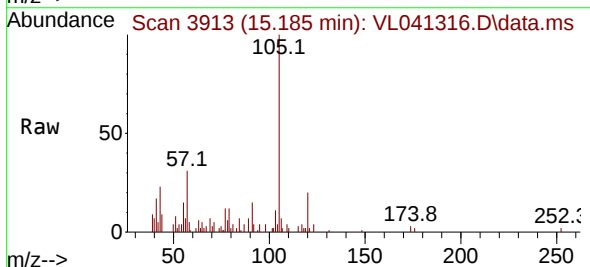
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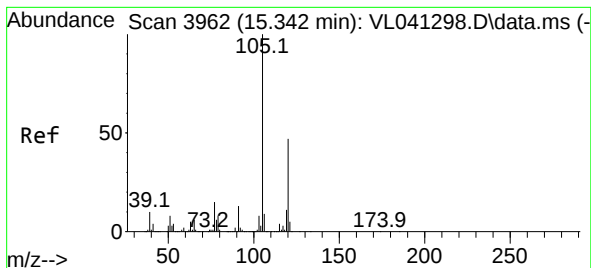
Reviewed By :Semsettin Yesilyurt 06/05/2024
Supervised By :Mahesh Dadoda 06/05/2024



#72
4-Ethyltoluene
Concen: 0.123 ppbv m
RT: 15.185 min Scan# 3913
Delta R.T. -0.003 min
Lab File: VL041316.D
Acq: 4 Jun 2024 23:17

Tgt Ion:105 Resp: 30327
Ion Ratio Lower Upper
105 100
120 33.6 23.7 35.5
91 26.8 10.6 16.0#
77 9.6 11.6 17.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.141 ppbv

RT: 15.343 min Scan# 3962

Delta R.T. 0.000 min

Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:105 Resp: 30179

Ion Ratio Lower Upper

105 100

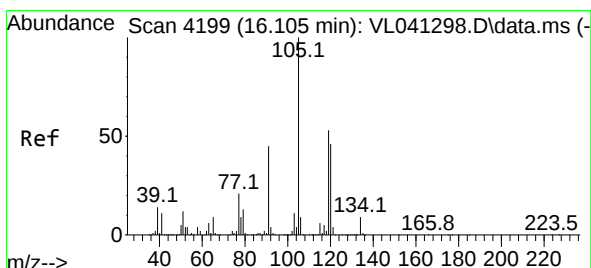
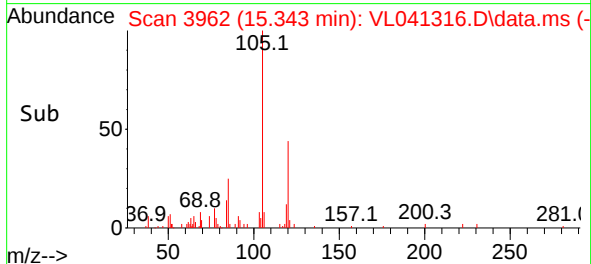
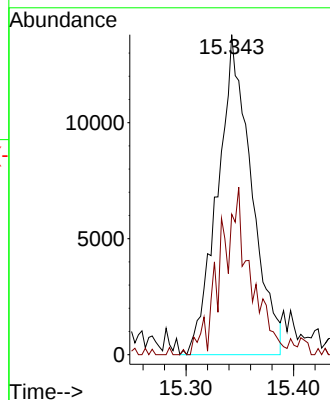
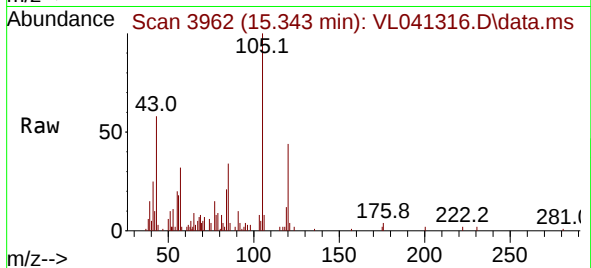
120 43.9 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024

Supervised By :Mahesh Dadoda 06/05/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.328 ppbv m

RT: 16.105 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041316.D

Acq: 4 Jun 2024 23:17

Tgt Ion:105 Resp: 79286

Ion Ratio Lower Upper

105 100

120 37.9 37.0 55.6

91 18.0 36.2 54.4#

77 19.0 16.6 24.8

