

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039774.D
 Acq On : 25 Oct 2022 2:11
 Operator : SY/AP
 Sample : N5227-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 25 15:02:01 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	898879	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2385642	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2114214	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.770	95	1548481	10.296	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	31228	0.332	ppbv	92
9) Propene	2.722	41	67532	1.456	ppbv #	77
11) Trichlorofluoromethane	3.584	101	31870	0.242	ppbv	85
13) Ethanol	3.256	45	509062	152.783	ppbv	93
15) Acetone	3.481	43	3295269	30.692	ppbv	99
17) tert-Butyl alcohol	3.902	59	64343	0.735	ppbv #	89
19) Isopropyl Alcohol	3.594	45	652992	12.981	ppbv #	90
20) Methylene Chloride	3.947	84	247271	6.054	ppbv	99
26) Hexane	5.221	57	226244	2.592	ppbv #	38
34) 2-Butanone	4.803	43	94558	0.843	ppbv	95
52) Tetrachloroethene	10.610	164	3712m	0.054	ppbv	
53) Toluene	9.214	91	145835	0.758	ppbv	98
59) m/p-Xylene	12.339	91	87925m	0.404	ppbv	
73) 1,3,5-Trimethylbenzene	15.349	105	112592	0.536	ppbv	86
74) 1,2,4-Trimethylbenzene	16.104	105	453035	1.904	ppbv #	67
79) Naphthalene	21.381	128	167693	1.152	ppbv #	96
80) Naphthalene,2-methyl-	24.365	142	16890	0.342	ppbv #	74

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

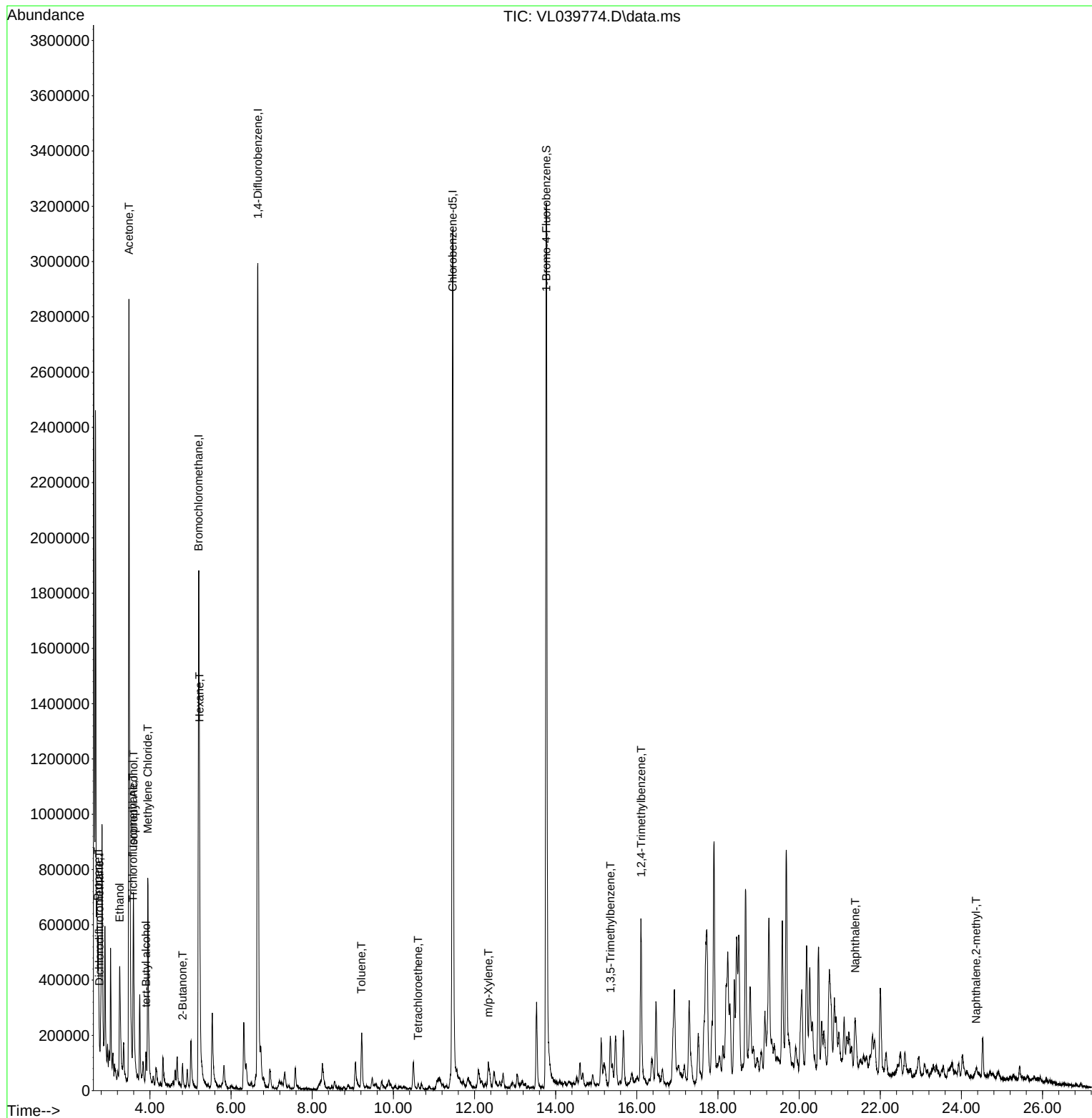
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
Data File : VL039774.D
Acq On : 25 Oct 2022 2:11
Operator : SY/AP
Sample : N5227-03
Misc : 400mL/MSVOA_L
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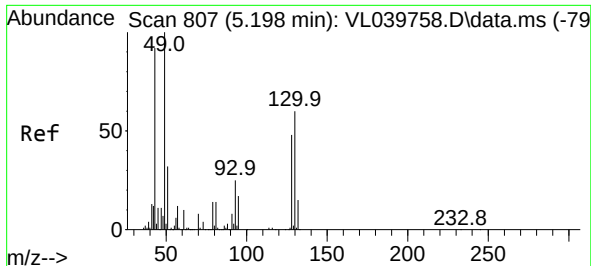
Instrument :
MSVOA_L
ClientSampleId :
C

Quant Time: Oct 25 15:02:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration

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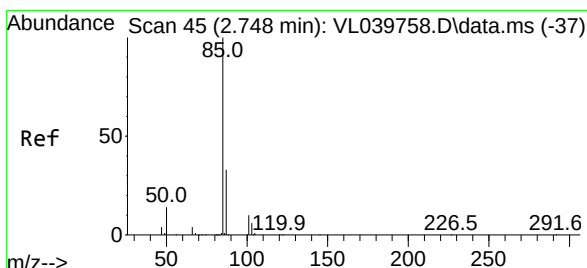
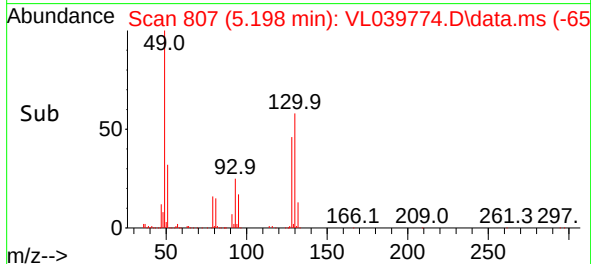
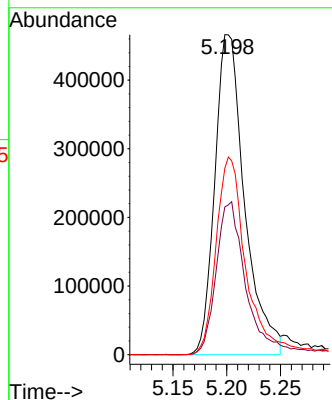
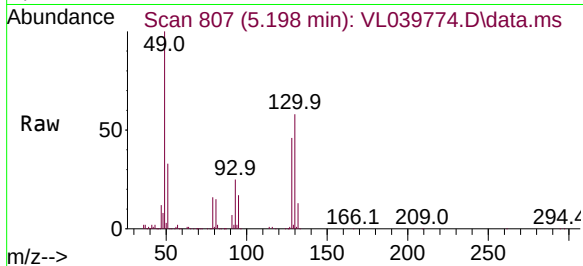
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

Instrument :
MSVOA_L
ClientSampleId :
C

Tgt Ion: 49 Resp: 898879
Ion Ratio Lower Upper
49 100
128 50.0 24.6 74.0
130 65.4 31.8 95.3

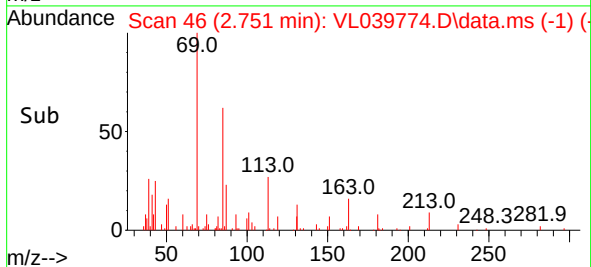
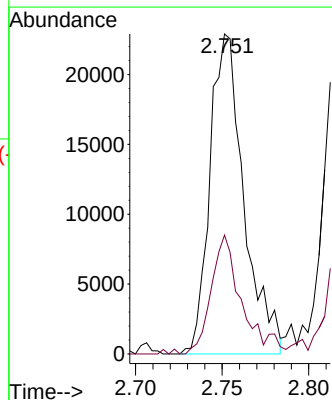
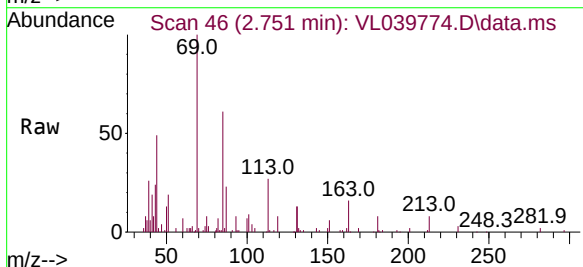
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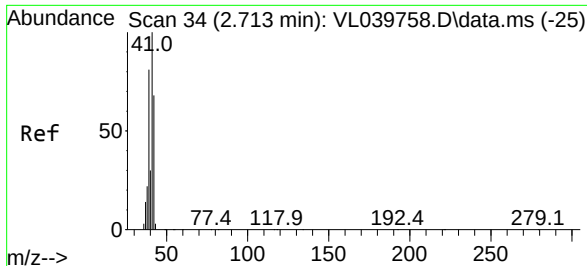
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#2
Dichlorodifluoromethane
Concen: 0.332 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

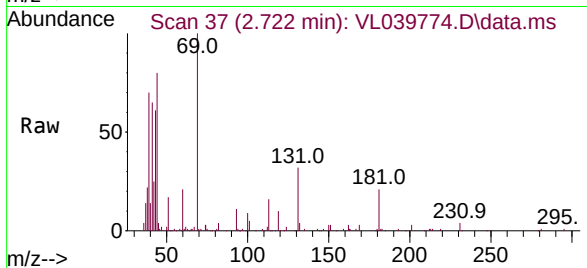
Tgt Ion: 85 Resp: 31228
Ion Ratio Lower Upper
85 100
87 37.2 26.1 39.1





#9
Propene
Concen: 1.456 ppbv
RT: 2.722 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

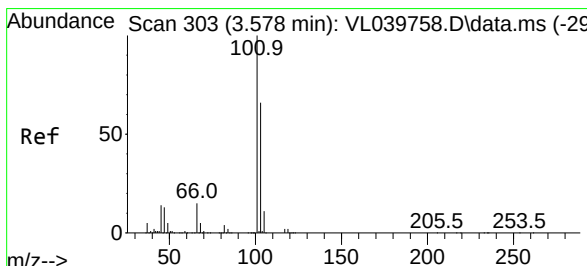
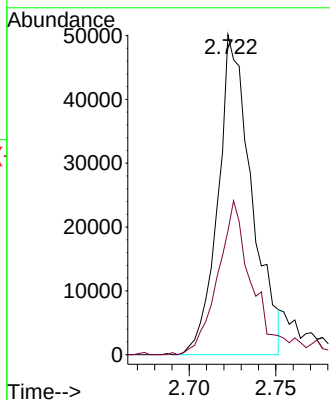
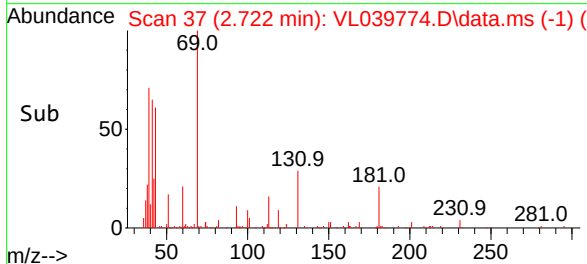
Instrument :
MSVOA_L
ClientSampleId :
C



Tgt Ion: 41 Resp: 6753
Ion Ratio Lower Upper
41 100
42 52.9 58.0 87.0

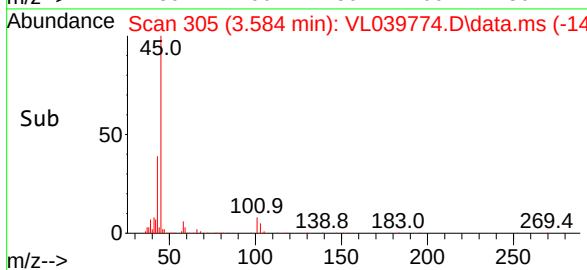
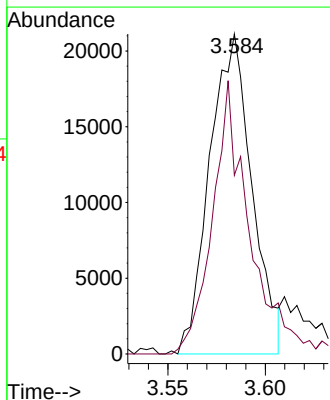
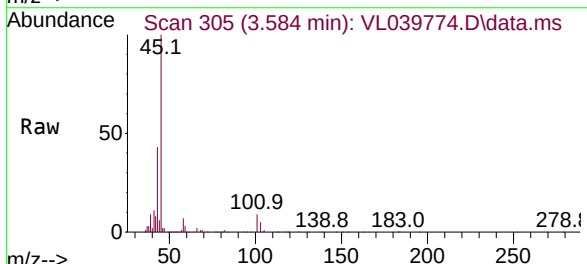
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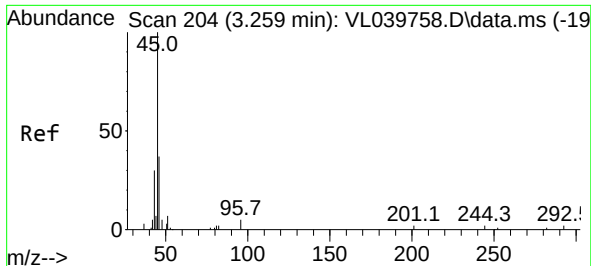
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#11
Trichlorofluoromethane
Concen: 0.242 ppbv
RT: 3.584 min Scan# 305
Delta R.T. 0.006 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

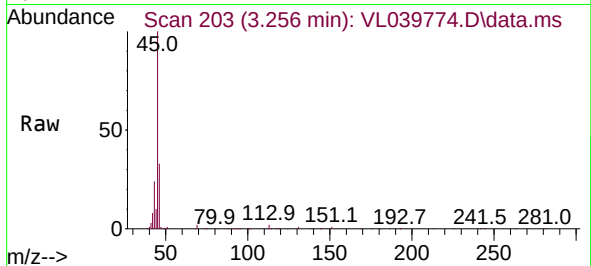
Tgt Ion:101 Resp: 31870
Ion Ratio Lower Upper
101 100
103 54.3 52.7 79.1





#13
Ethanol
Concen: 152.783 ppbv
RT: 3.256 min Scan# 204
Delta R.T. -0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

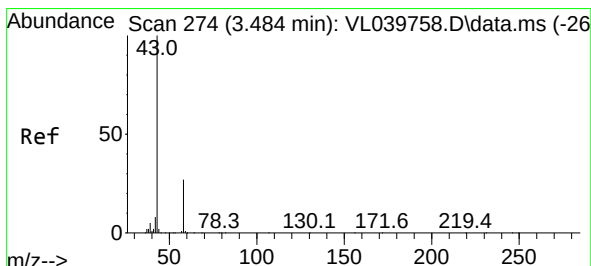
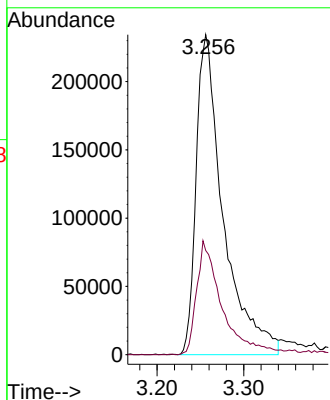
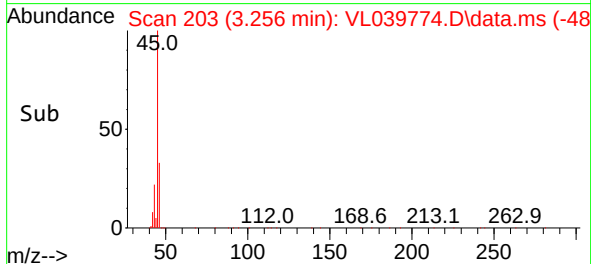
Instrument :
MSVOA_L
ClientSampleId :
C



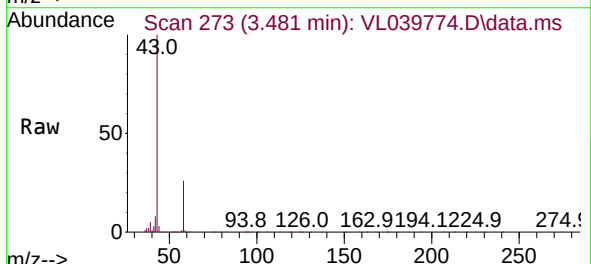
Tgt Ion: 45 Resp: 509062
Ion Ratio Lower Upper
45 100
46 34.3 15.3 61.3

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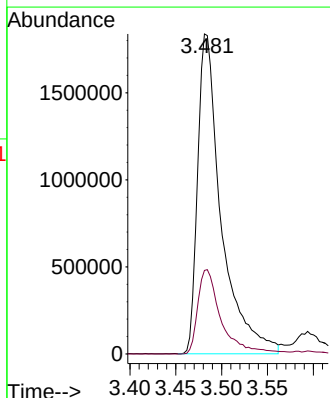
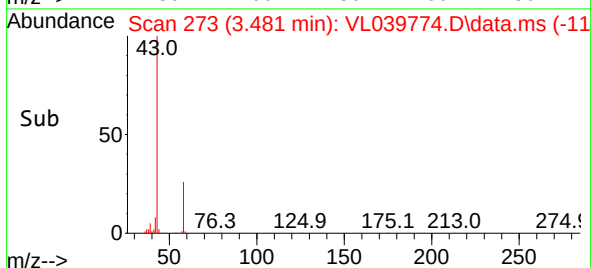
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

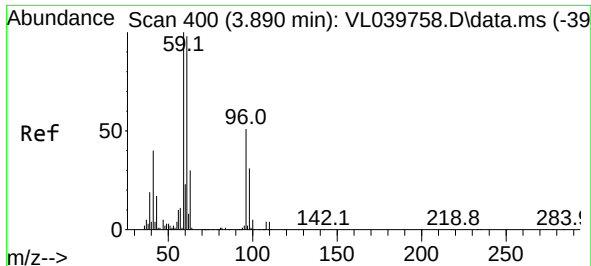


#15
Acetone
Concen: 30.692 ppbv
RT: 3.481 min Scan# 273
Delta R.T. -0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11



Tgt Ion: 43 Resp: 3295269
Ion Ratio Lower Upper
43 100
58 26.2 20.7 31.1





#17

tert-Butyl alcohol

Concen: 0.735 ppbv

RT: 3.902 min Scan# 400

Delta R.T. 0.013 min

Lab File: VL039774.D

Acq: 25 Oct 2022 2:11

Instrument :

MSVOA_L

ClientSampleId :

C

Tgt Ion: 59 Resp: 6434

Ion Ratio Lower Upper

59 100

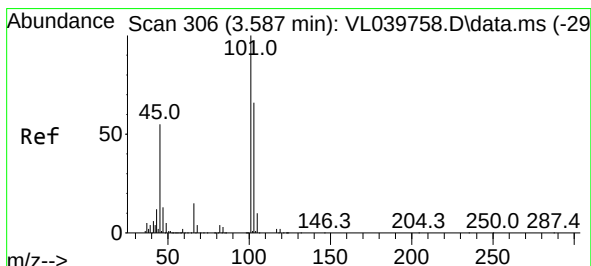
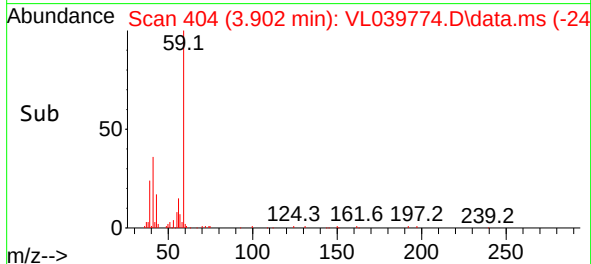
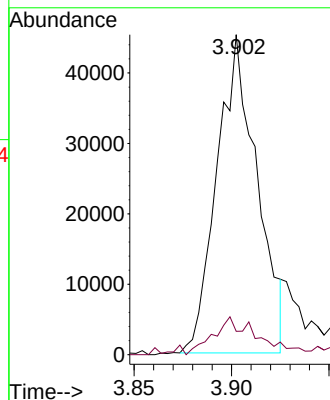
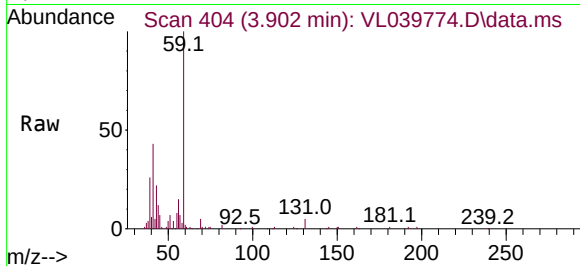
57 14.2 8.2 12.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2022

Supervised By :Mahesh Dadoda 10/31/2022



#19

Isopropyl Alcohol

Concen: 12.981 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.006 min

Lab File: VL039774.D

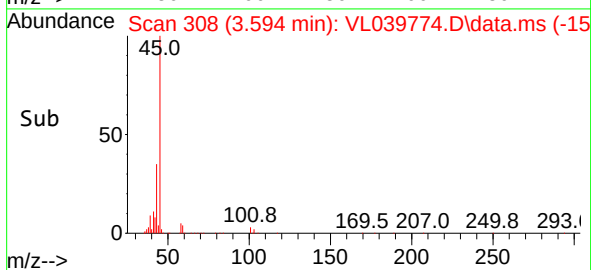
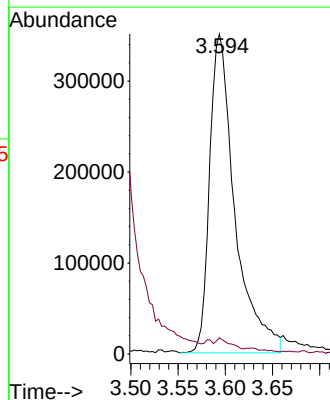
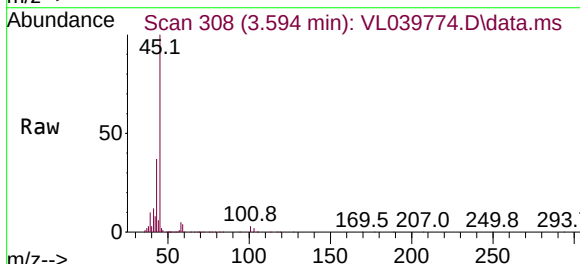
Acq: 25 Oct 2022 2:11

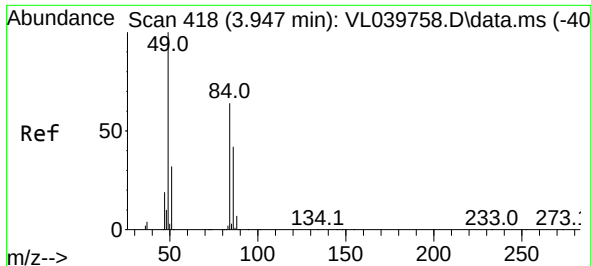
Tgt Ion: 45 Resp: 652992

Ion Ratio Lower Upper

45 100

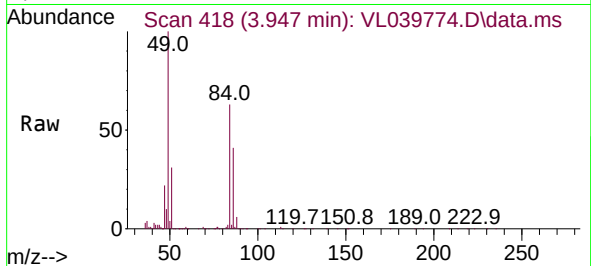
58 6.7 2.8 4.2





#20
Methylene Chloride
Concen: 6.054 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.000 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

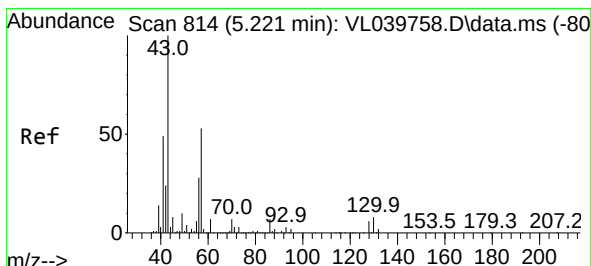
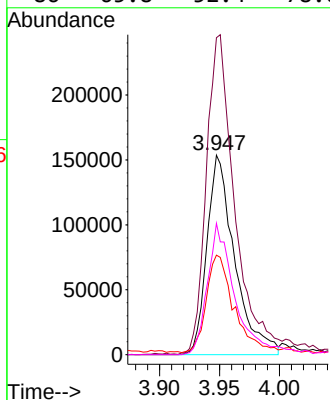
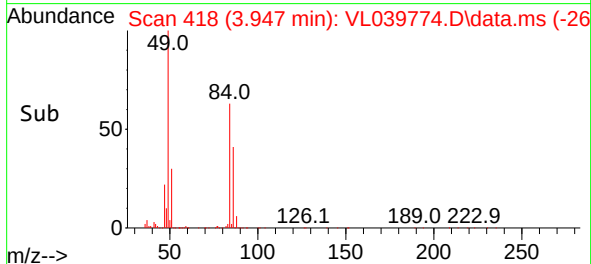
Instrument :
MSVOA_L
Client Sample Id :
C



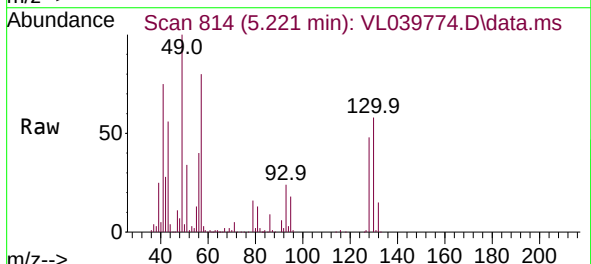
Tgt Ion: 84 Resp: 24727
Ion Ratio Lower Upper
84 100
49 158.7 126.0 189.0
51 48.3 40.9 61.3
86 65.8 52.4 78.6

Manual Integrations
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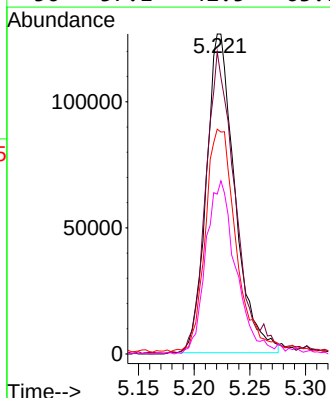
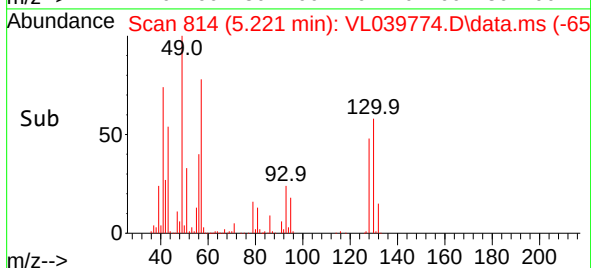
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

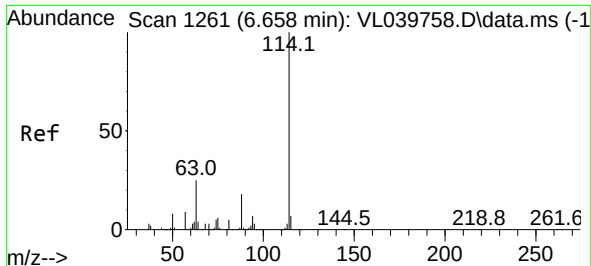


#26
Hexane
Concen: 2.592 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11



Tgt Ion: 57 Resp: 226244
Ion Ratio Lower Upper
57 100
41 99.3 76.1 114.1
43 78.8 197.1 295.7#
56 57.1 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL039774.D

Acq: 25 Oct 2022 2:11

Instrument :

MSVOA_L

ClientSampleId :

C

Tgt Ion:114 Resp: 238564

Ion Ratio Lower Upper

114 100

63 24.7 20.1 30.1

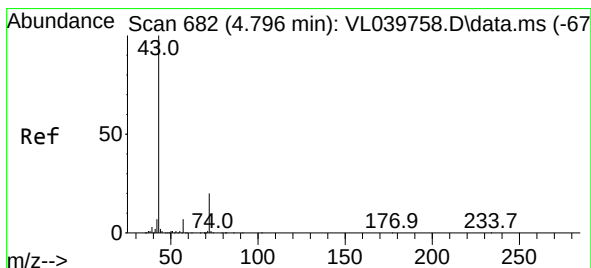
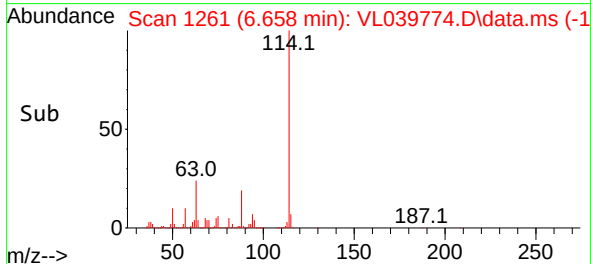
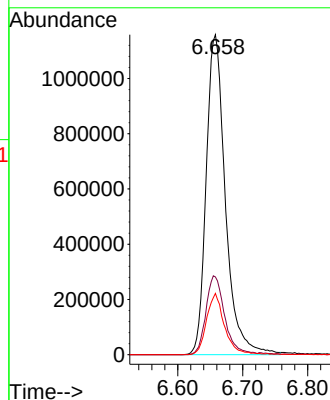
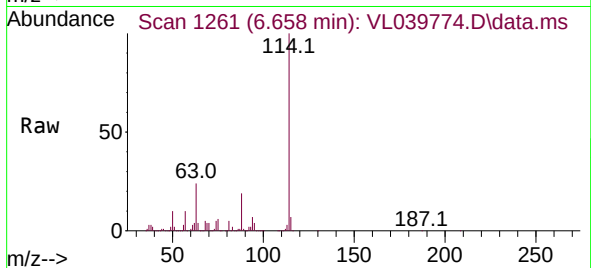
88 18.1 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/28/2022

Supervised By :Mahesh Dadoda 10/31/2022



#34

2-Butanone

Concen: 0.843 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.006 min

Lab File: VL039774.D

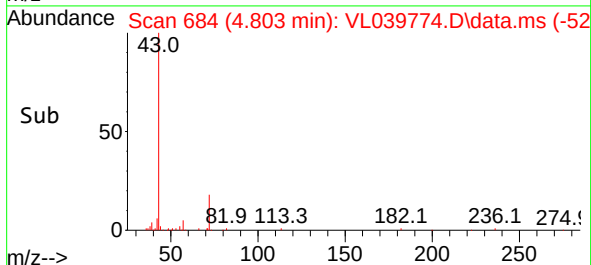
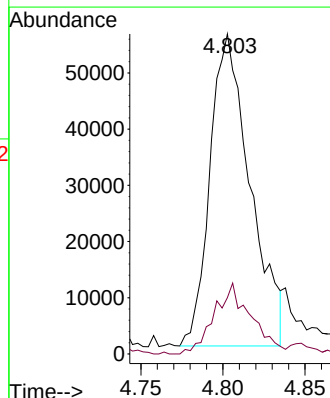
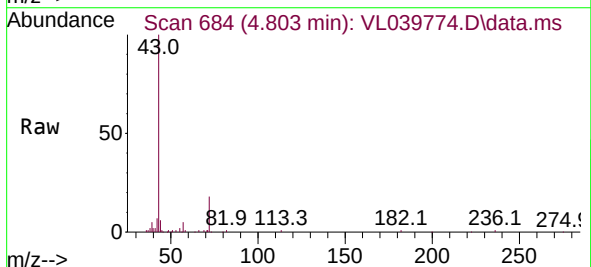
Acq: 25 Oct 2022 2:11

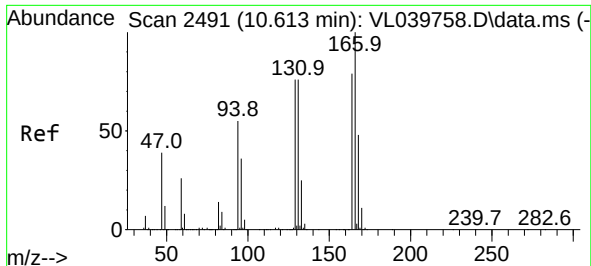
Tgt Ion: 43 Resp: 94558

Ion Ratio Lower Upper

43 100

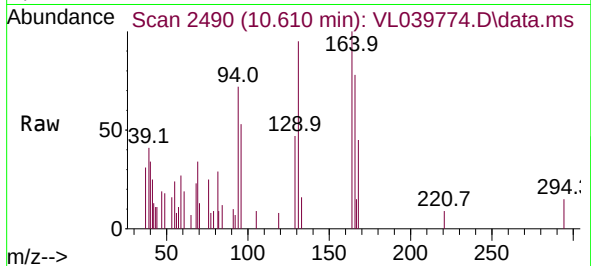
72 23.0 16.5 24.7





#52
Tetrachloroethene
Concen: 0.054 ppbv m
RT: 10.610 min Scan# 2491
Delta R.T. -0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

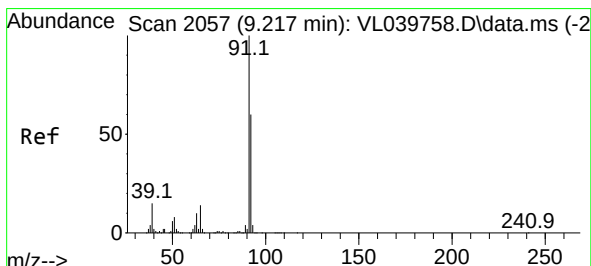
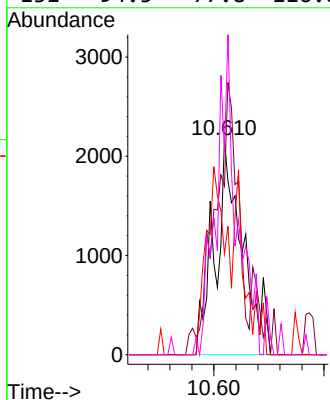
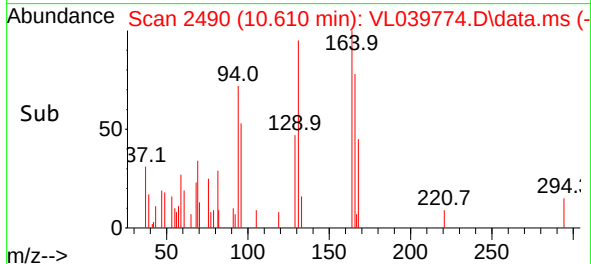
Instrument :
MSVOA_L
ClientSampleId :
C



Tgt Ion:164 Resp: 3712
Ion Ratio Lower Upper
164 100
166 78.4 101.8 152.6
129 47.0 77.5 116.3
131 94.5 77.8 116.8

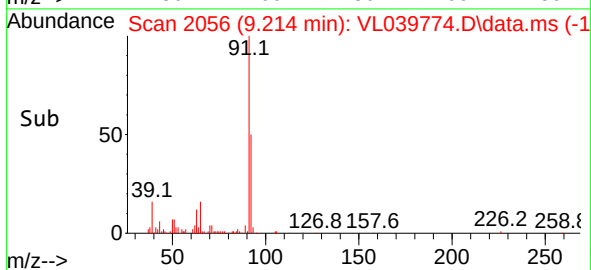
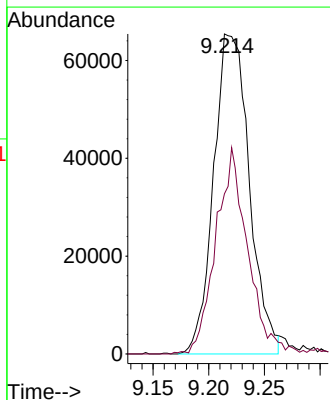
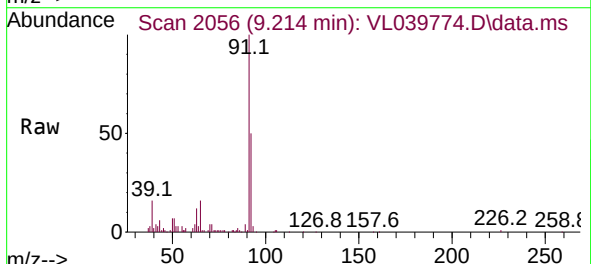
Manual Integrations
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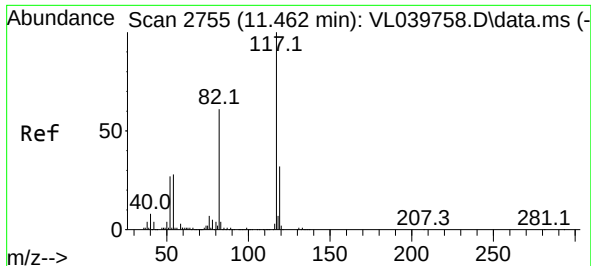
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#53
Toluene
Concen: 0.758 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. -0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

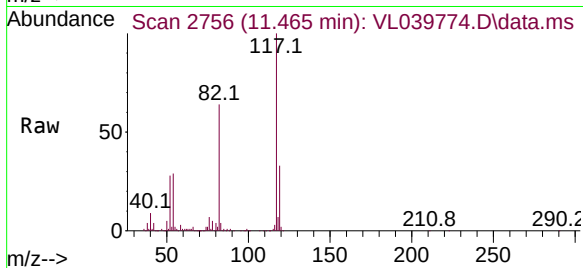
Tgt Ion: 91 Resp: 145835
Ion Ratio Lower Upper
91 100
92 58.5 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2114214
Delta R.T. 0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11 C

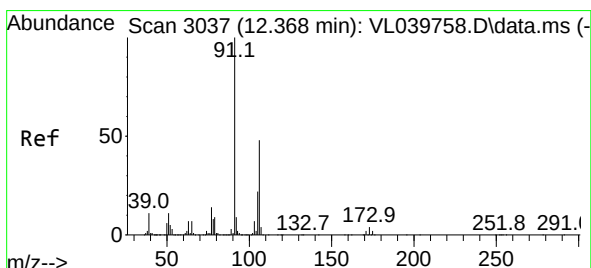
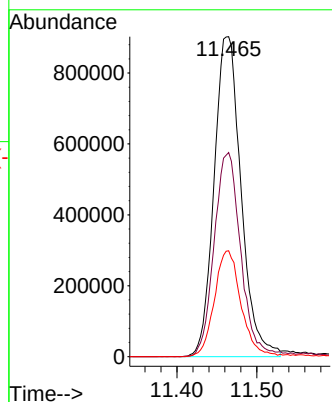
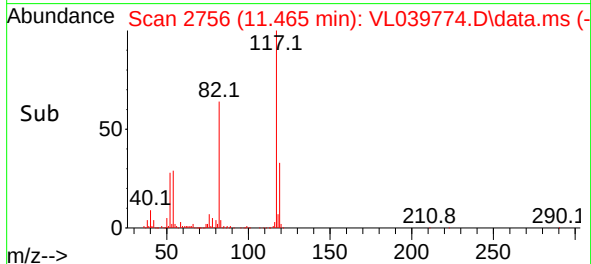
Instrument :
MSVOA_L
ClientSampleId :
C



Tgt Ion:117 Resp: 2114214
Ion Ratio Lower Upper
117 100
82 63.2 49.9 74.9
119 33.2 25.2 37.8

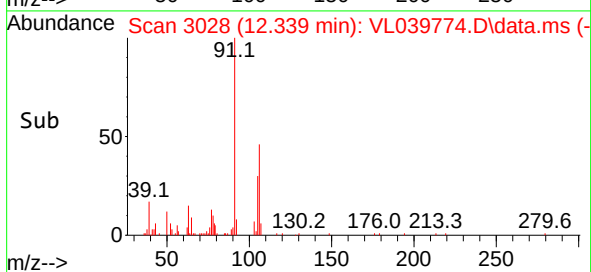
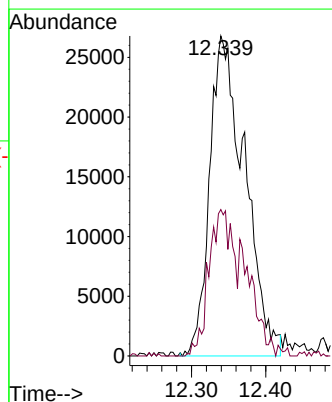
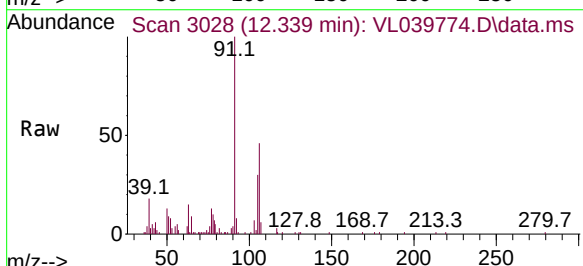
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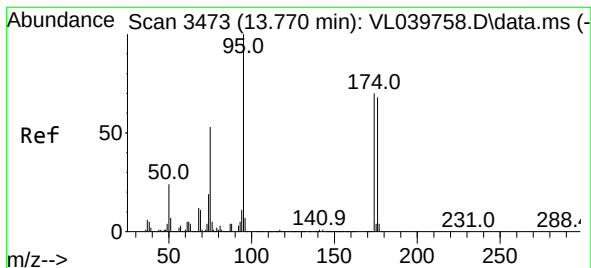
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022



#59
m/p-Xylene
Concen: 0.404 ppbv m
RT: 12.339 min Scan# 3028
Delta R.T. -0.029 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

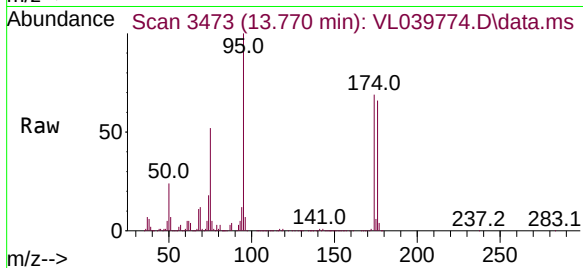
Tgt Ion: 91 Resp: 87925
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.296 ppbv
RT: 13.770 min Scan# 3473
Delta R.T. 0.000 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

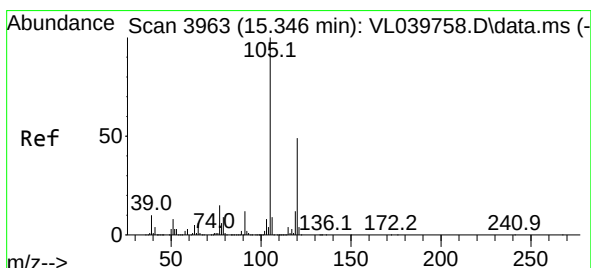
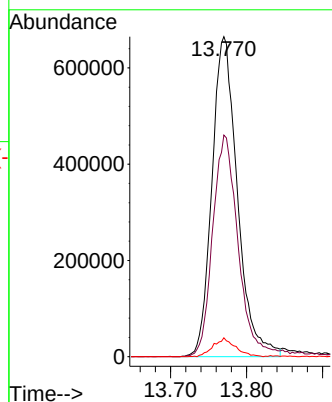
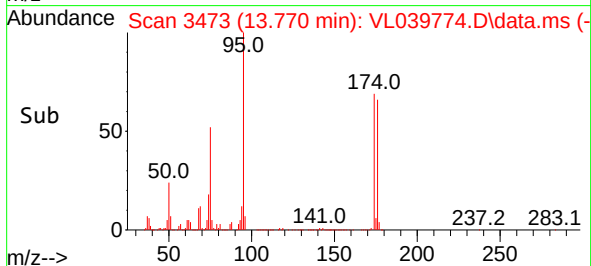
Instrument :
MSVOA_L
ClientSampleId :
C



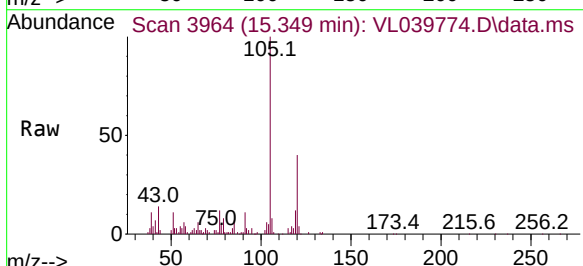
Tgt Ion: 95 Resp: 154848
Ion Ratio Lower Upper
95 100
174 71.6 57.3 85.9
175 5.3 4.2 6.2

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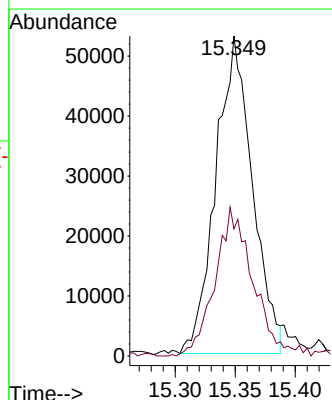
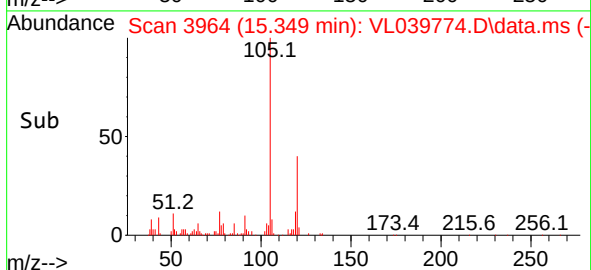
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

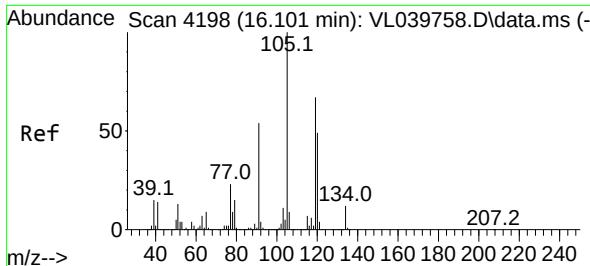


#73
1,3,5-Trimethylbenzene
Concen: 0.536 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11



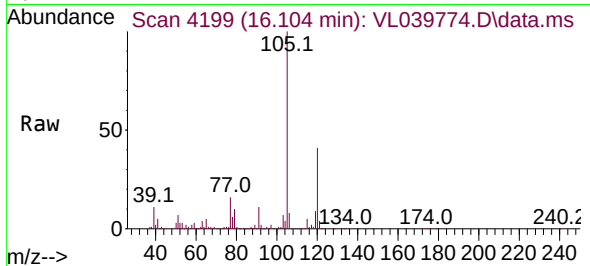
Tgt Ion:105 Resp: 112592
Ion Ratio Lower Upper
105 100
120 39.4 39.0 58.6





#74
1,2,4-Trimethylbenzene
Concen: 1.904 ppbv
RT: 16.104 min Scan# 4198
Delta R.T. 0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11

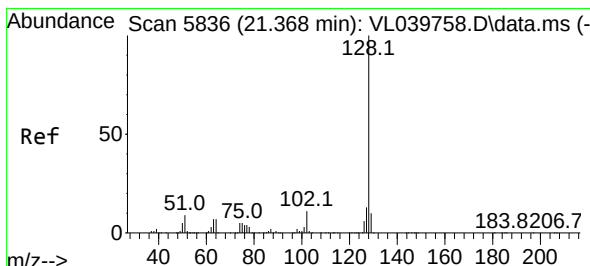
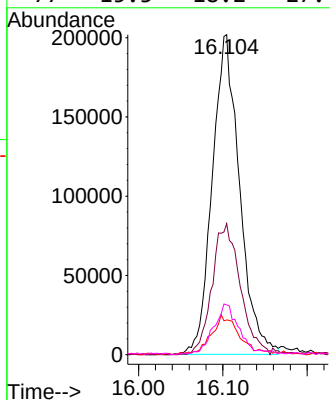
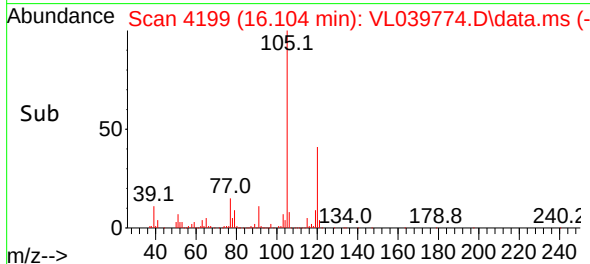
Instrument :
MSVOA_L
ClientSampleId :
C



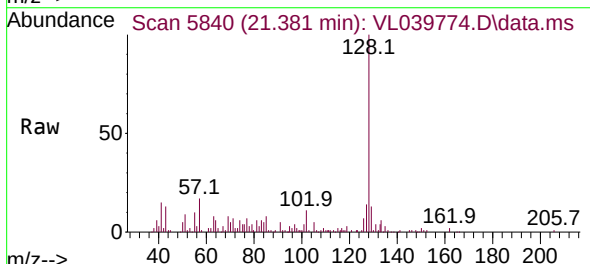
Tgt Ion:105 Resp: 453035
Ion Ratio Lower Upper
105 100
120 41.0 39.6 59.4
91 10.6 42.9 64.3
77 15.3 18.2 27.4#

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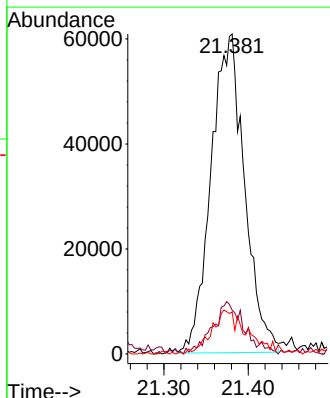
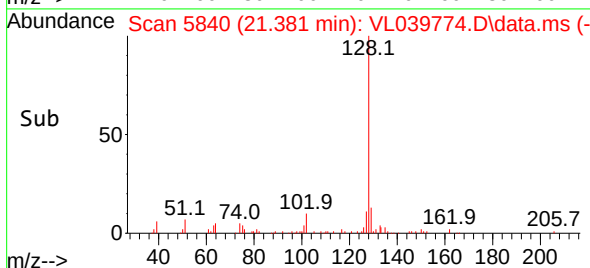
Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

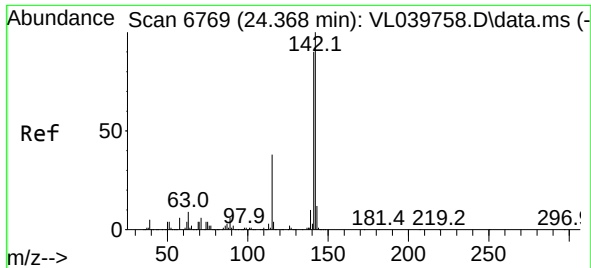


#79
Naphthalene
Concen: 1.152 ppbv
RT: 21.381 min Scan# 5840
Delta R.T. 0.013 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11



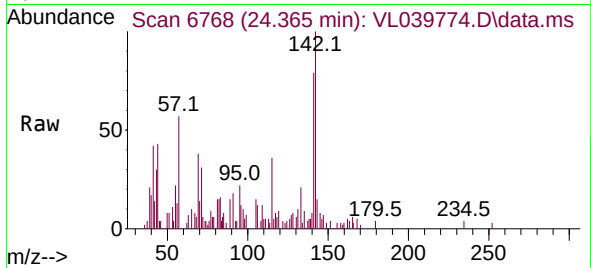
Tgt Ion:128 Resp: 167693
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 13.0 8.4 12.6#





#80
Naphthalene, 2-methyl-
Concen: 0.342 ppbv
RT: 24.365 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039774.D
Acq: 25 Oct 2022 2:11 C

Instrument :
MSVOA_L
ClientSampleId :
C



Tgt Ion:142 Resp: 16890
Ion Ratio Lower Upper
142 100
141 97.0 65.7 98.5
115 63.3 28.3 42.5

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/28/2022
Supervised By :Mahesh Dadoda 10/31/2022

