

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
 Data File : VL041172.D
 Acq On : 25 Apr 2024 15:55
 Operator : SY/MD
 Sample : P2253-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/26/2024
 Supervised By :Mahesh Dadoda 04/26/2024

Quant Time: Apr 26 03:14:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 26 03:09:28 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1157834	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3085209	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2721429	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2116839	9.673	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.732	85	68336m	0.345	ppbv	
3) Chlorodifluoromethane	2.681	51	88834m	0.498	ppbv	
4) Chloromethane	2.812	50	40672	0.603	ppbv #	84
9) Propene	2.709	41	155132m	2.735	ppbv	
10) Heptane	7.561	43	37078	0.275	ppbv	98
11) Trichlorofluoromethane	3.562	101	40007	0.223	ppbv	99
13) Ethanol	3.237	45	386459	28.640	ppbv	98
15) Acetone	3.465	43	532627	4.248	ppbv #	84
19) Isopropyl Alcohol	3.578	45	236637	3.107	ppbv	99
20) Methylene Chloride	3.928	84	3053959	59.063	ppbv	96
26) Hexane	5.201	57	3189289	30.189	ppbv #	39
30) Cyclohexane	6.587	84	26889m	0.312	ppbv	
34) 2-Butanone	4.787	43	40967m	0.314	ppbv	
35) Carbon Tetrachloride	6.478	117	11576m	0.066	ppbv	
36) Benzene	6.352	78	145923	0.644	ppbv	93
44) 2,2,4-Trimethylpentane	7.311	57	192590	0.513	ppbv #	90
52) Tetrachloroethene	10.581	164	6033m	0.083	ppbv	
53) Toluene	9.201	91	288982	1.211	ppbv	99
58) Ethyl Benzene	12.066	91	48707m	0.163	ppbv	
59) m/p-Xylene	12.323	91	154460m	0.574	ppbv	
60) o-Xylene	13.034	91	57511m	0.226	ppbv	
74) 1,2,4-Trimethylbenzene	16.082	105	77561	0.270	ppbv #	69

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

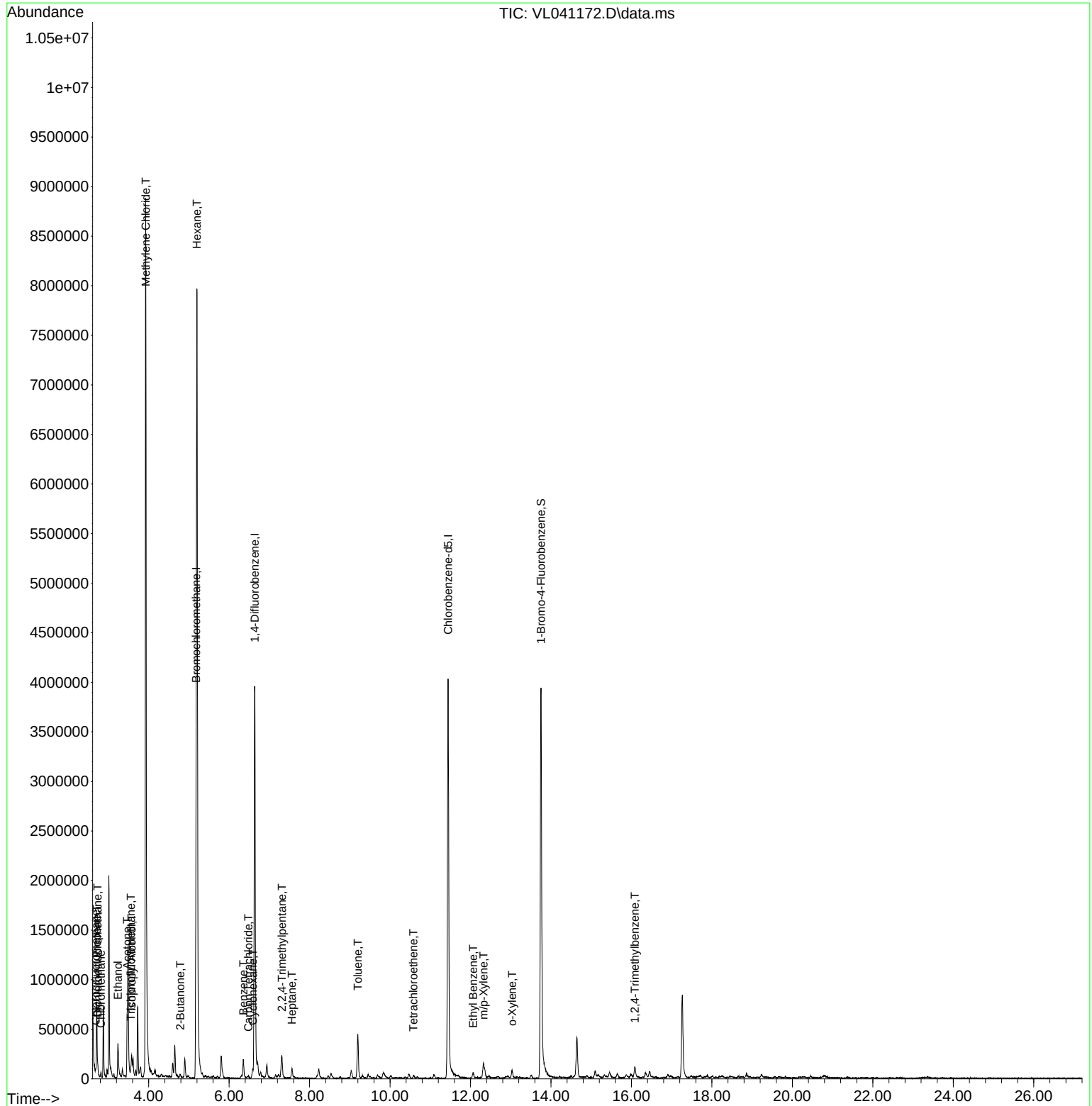
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042524\
Data File : VL041172.D
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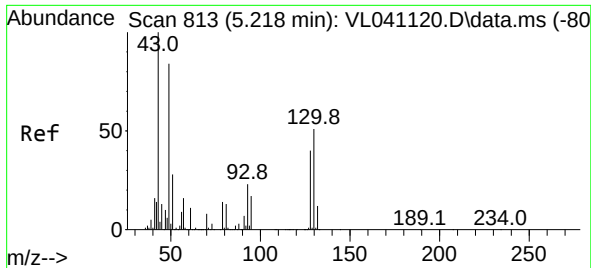
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Quant Time: Apr 26 03:14:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 26 03:09:28 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 04/26/2024
Supervised By : Mahesh Dadoda 04/26/2024





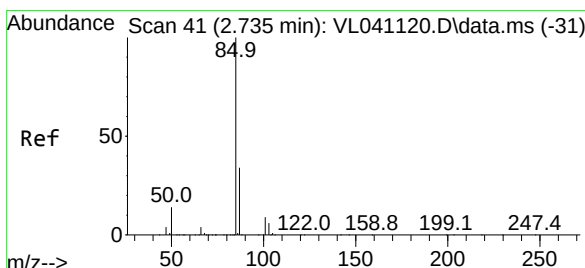
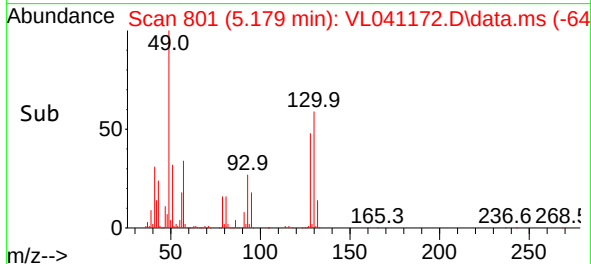
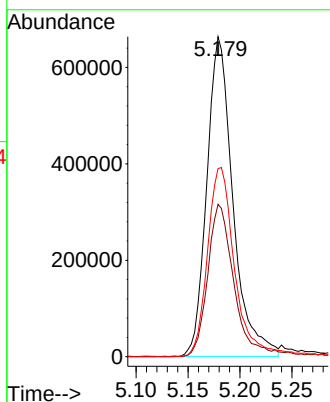
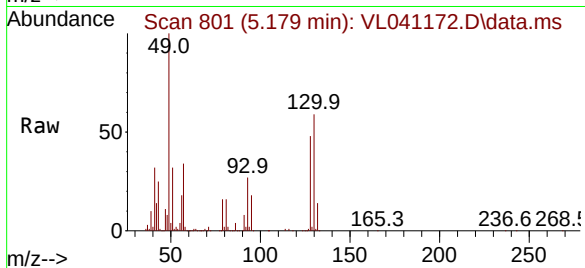
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 49 Resp: 1157834
Ion Ratio Lower Upper
49 100
128 49.3 23.6 71.0
130 63.7 30.1 90.5

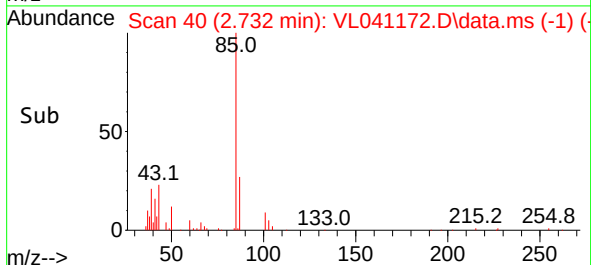
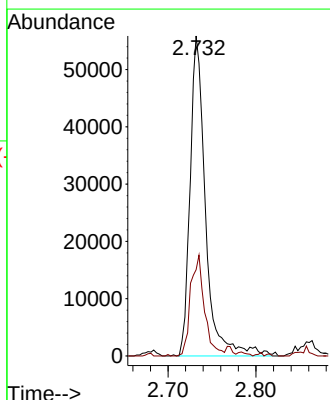
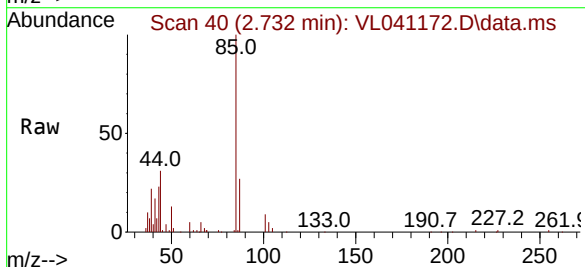
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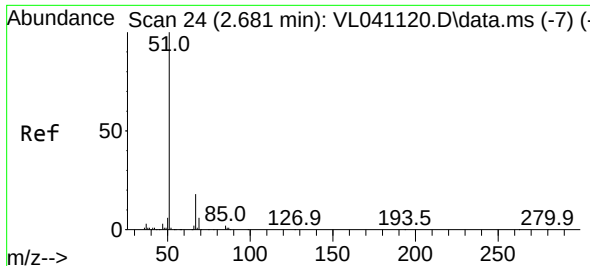
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#2
Dichlorodifluoromethane
Concen: 0.345 ppbv m
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

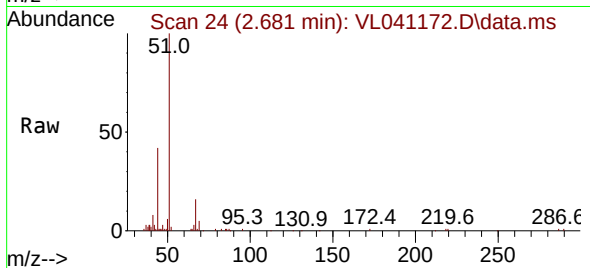
Tgt Ion: 85 Resp: 68336
Ion Ratio Lower Upper
85 100
87 26.9 27.0 40.6#





#3
Chlorodifluoromethane
Concen: 0.498 ppbv m
RT: 2.681 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

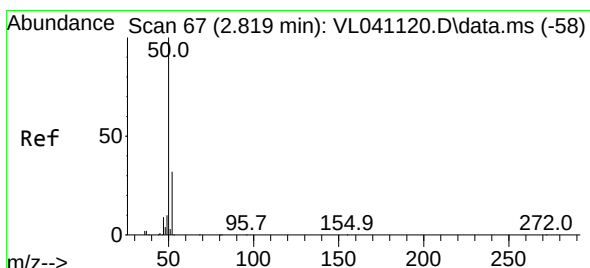
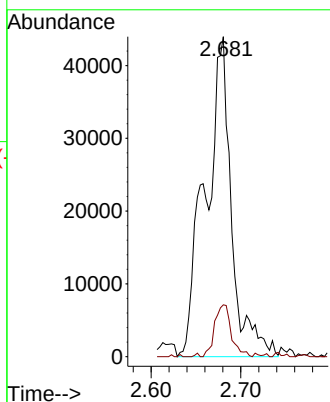
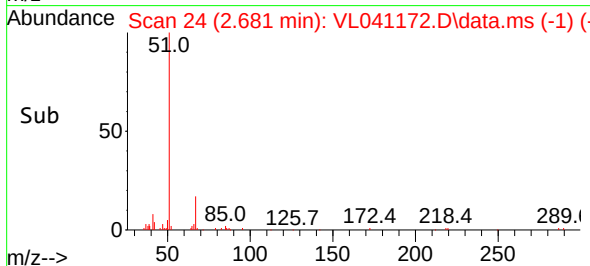
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 51 Resp: 88834
Ion Ratio Lower Upper
51 100
67 0.6 14.9 22.3

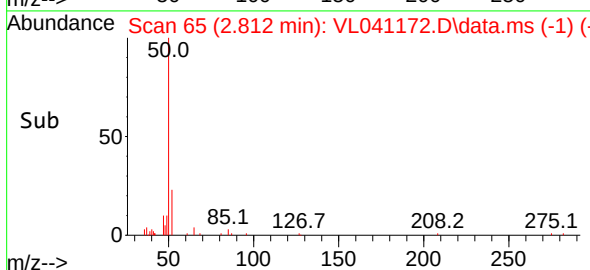
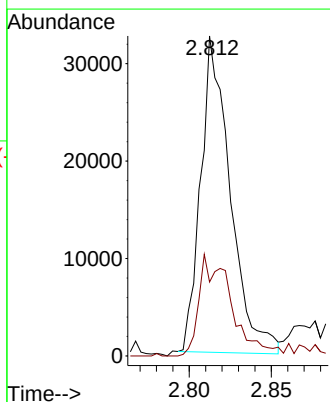
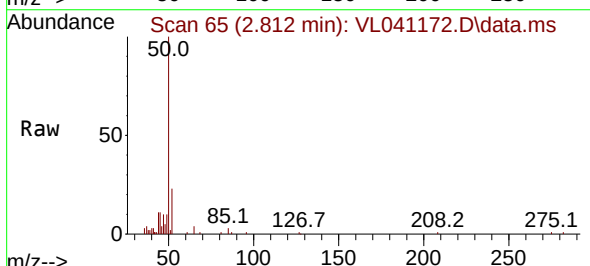
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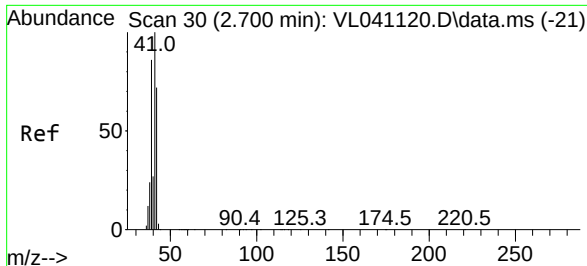
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#4
Chloromethane
Concen: 0.603 ppbv
RT: 2.812 min Scan# 65
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Tgt Ion: 50 Resp: 40672
Ion Ratio Lower Upper
50 100
52 23.5 26.0 39.0





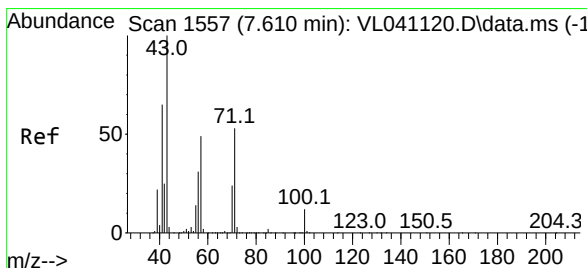
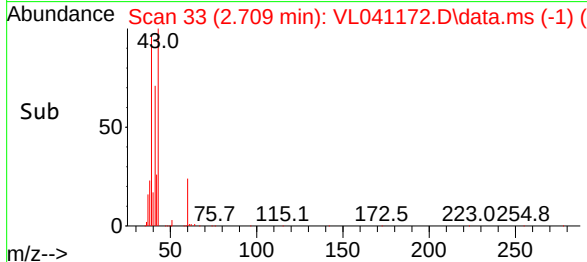
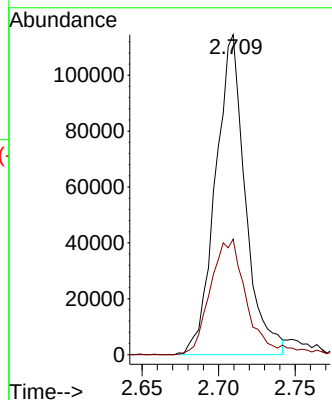
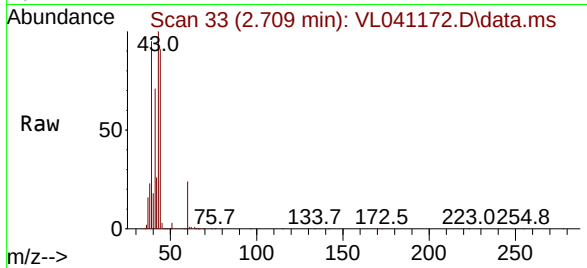
#9
Propene
Concen: 2.735 ppbv m
RT: 2.709 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 41 Resp: 15513
Ion Ratio Lower Upper
41 100
42 78.8 60.1 90.1

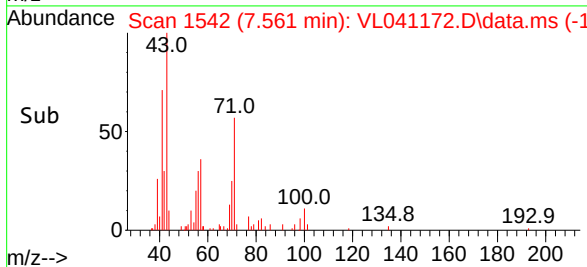
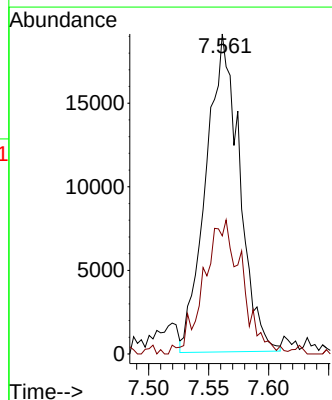
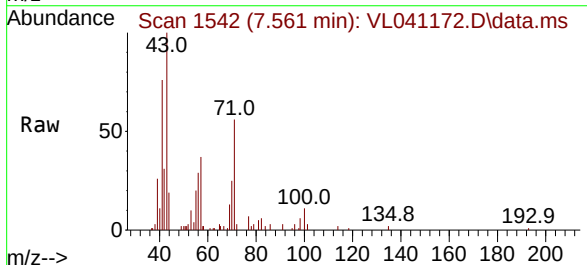
Manual Integrations
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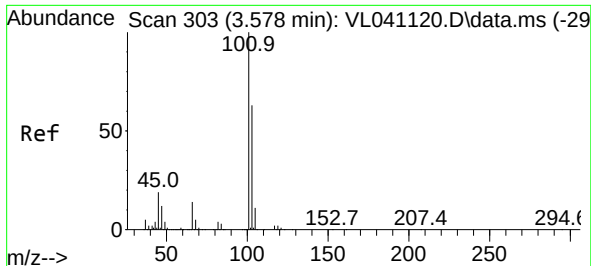
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#10
Heptane
Concen: 0.275 ppbv
RT: 7.561 min Scan# 1542
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

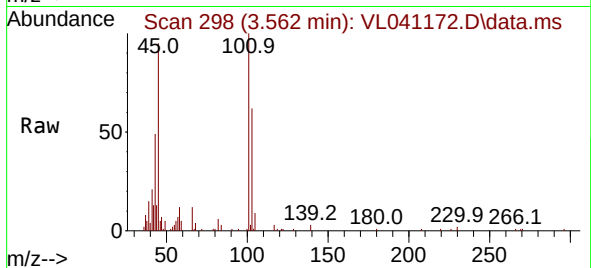
Tgt Ion: 43 Resp: 37078
Ion Ratio Lower Upper
43 100
57 48.7 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.223 ppbv
RT: 3.562 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

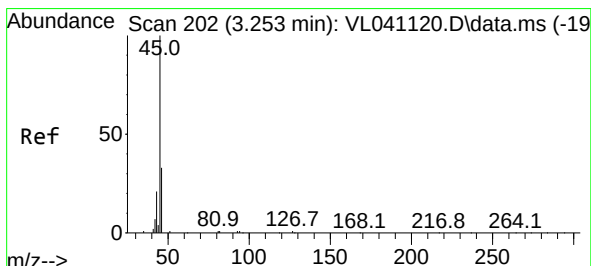
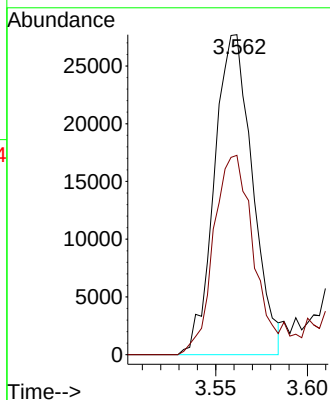
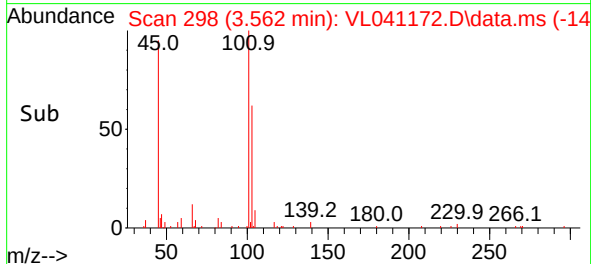
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:101 Resp: 4000
Ion Ratio Lower Upper
101 100
103 62.3 50.6 75.8

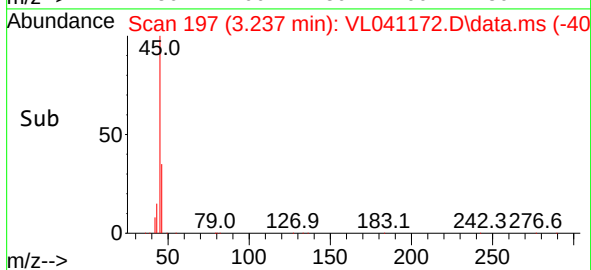
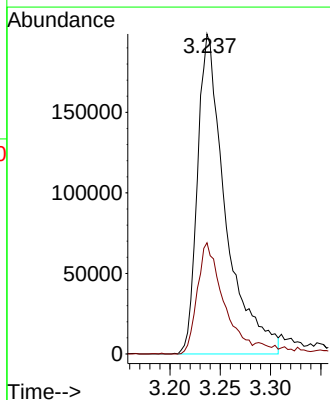
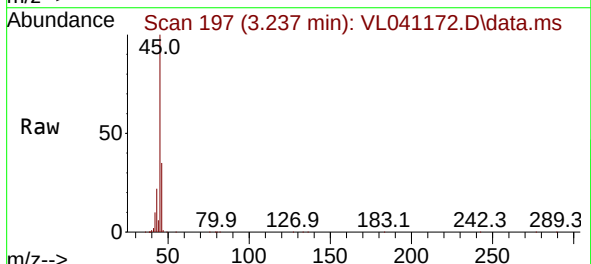
Manual Integrations
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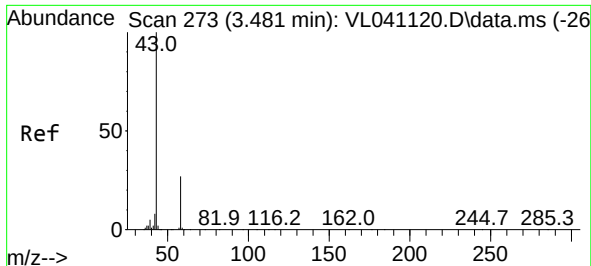
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#13
Ethanol
Concen: 28.640 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

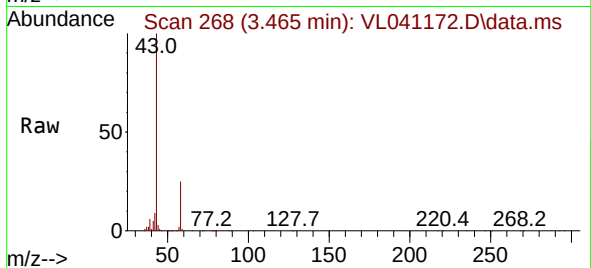
Tgt Ion: 45 Resp: 386459
Ion Ratio Lower Upper
45 100
46 36.5 15.0 59.8





#15
Acetone
Concen: 4.248 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

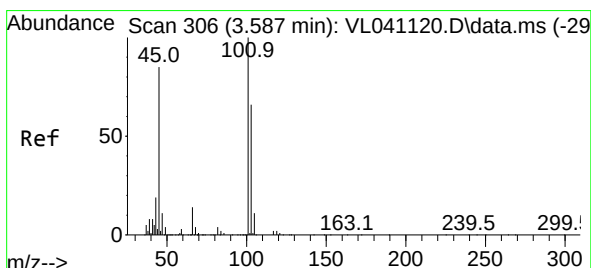
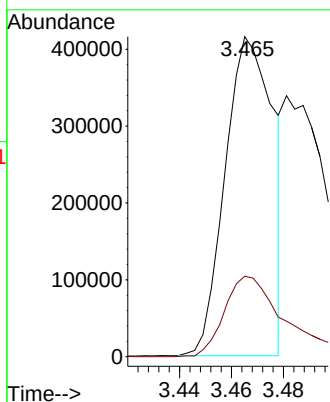
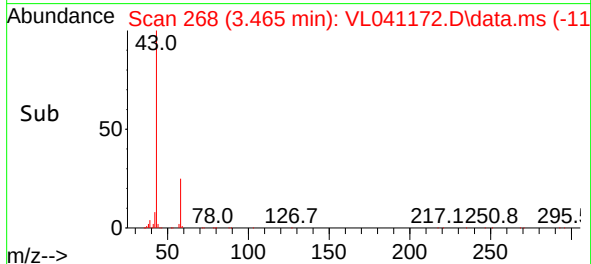
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



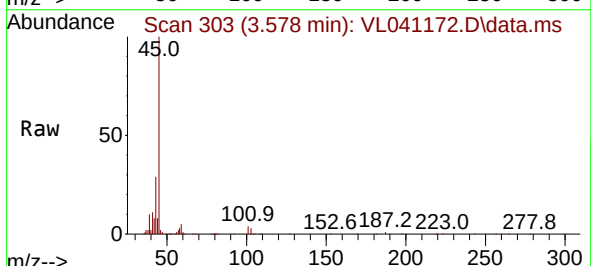
Tgt Ion: 43 Resp: 53262
Ion Ratio Lower Upper
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58 34.5 21.1 31.7

Manual Integrations
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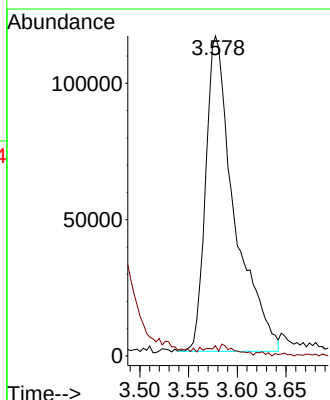
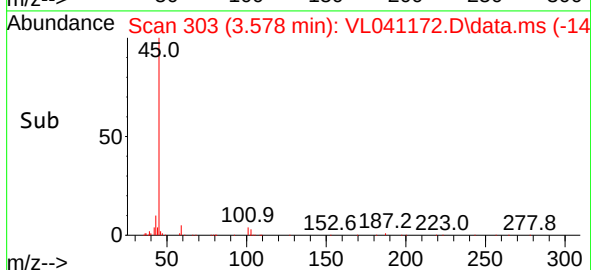
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024

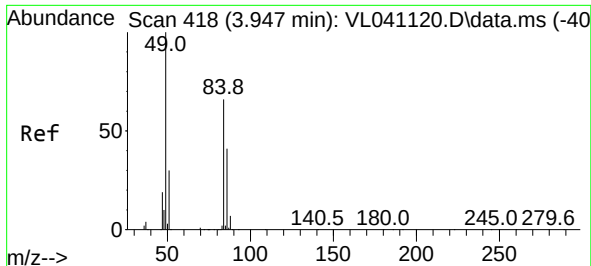


#19
Isopropyl Alcohol
Concen: 3.107 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.010 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55



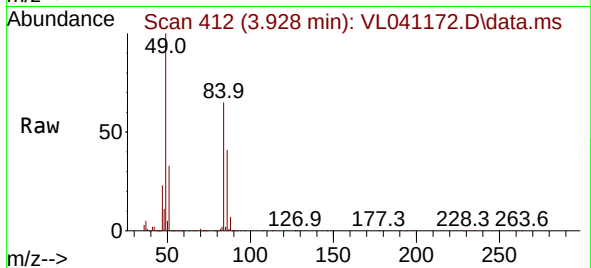
Tgt Ion: 45 Resp: 236637
Ion Ratio Lower Upper
45 100
58 3.1 2.8 4.2





#20
Methylene Chloride
Concen: 59.063 ppbv
RT: 3.928 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

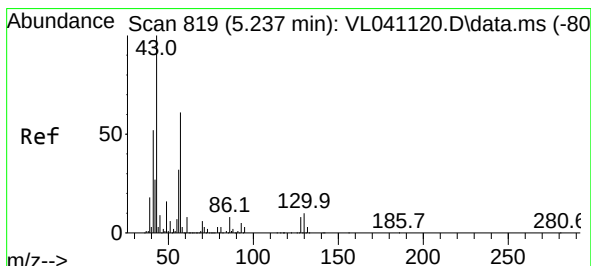
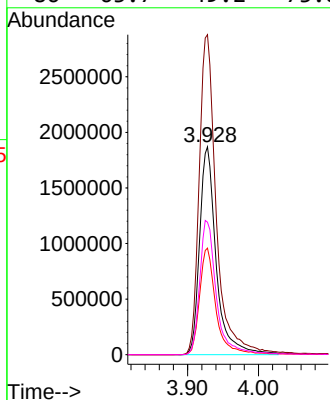
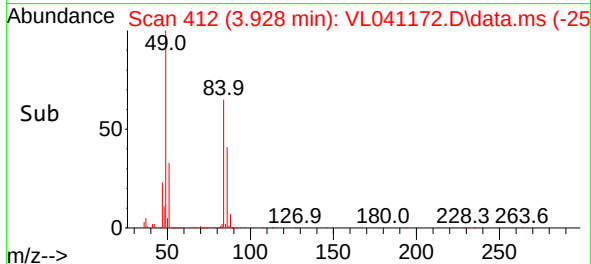
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 84 Resp: 3053959
Ion Ratio Lower Upper
84 100
49 154.0 120.7 181.1
51 51.3 36.6 54.8
86 63.7 49.2 73.8

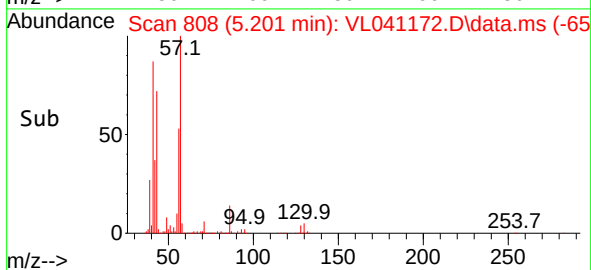
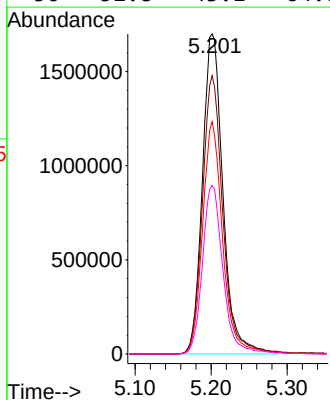
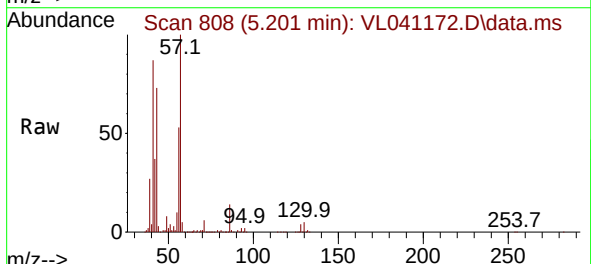
Manual Integrations
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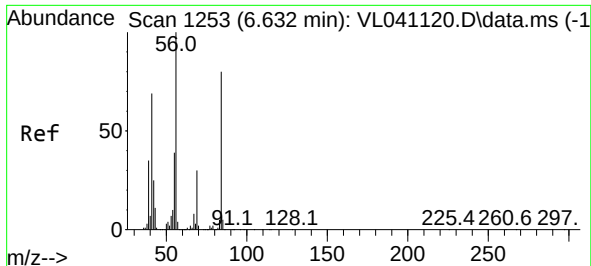
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#26
Hexane
Concen: 30.189 ppbv
RT: 5.201 min Scan# 808
Delta R.T. 0.006 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

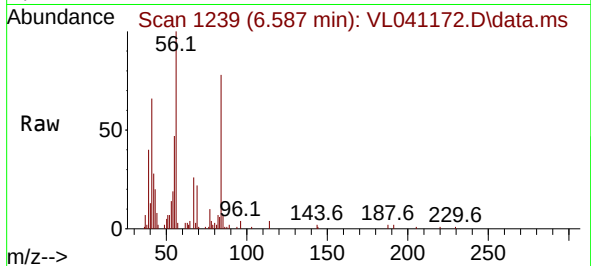
Tgt Ion: 57 Resp: 3189289
Ion Ratio Lower Upper
57 100
41 87.6 73.8 110.8
43 71.3 186.2 279.2#
56 52.8 43.1 64.7





#30
Cyclohexane
Concen: 0.312 ppbv m
RT: 6.587 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

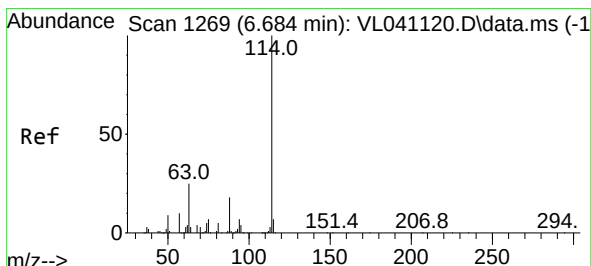
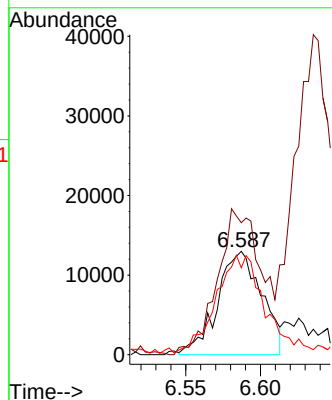
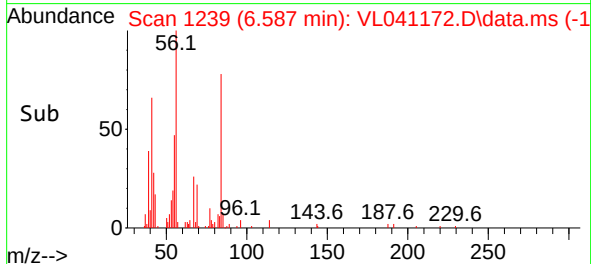
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion: 84 Resp: 26889
Ion Ratio Lower Upper
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41 107.6 71.0 106.6

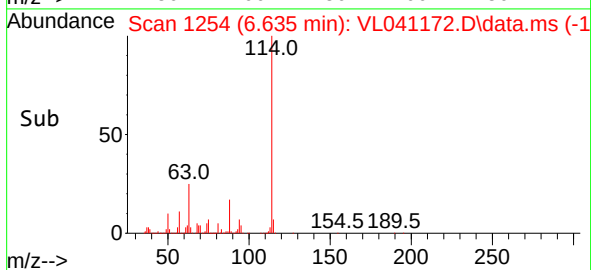
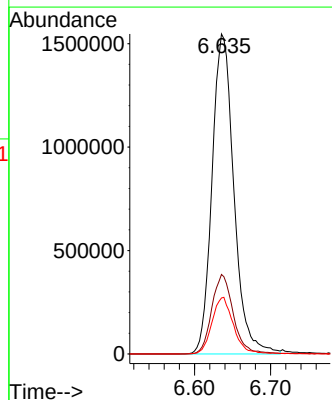
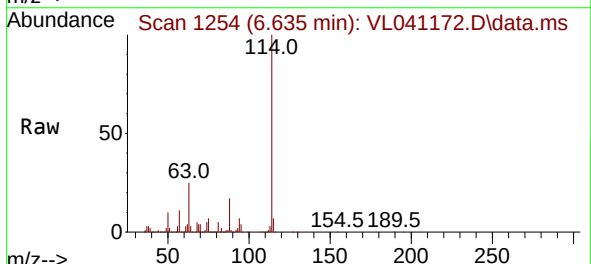
Manual Integrations
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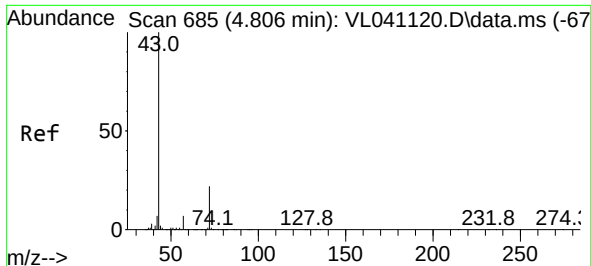
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.000 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Tgt Ion:114 Resp: 3085209
Ion Ratio Lower Upper
114 100
63 24.6 20.9 31.3
88 17.5 14.5 21.7





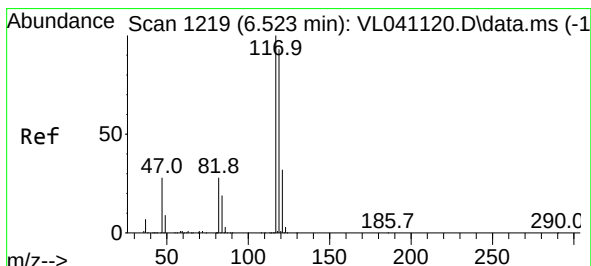
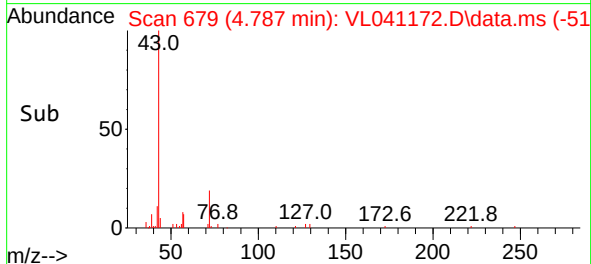
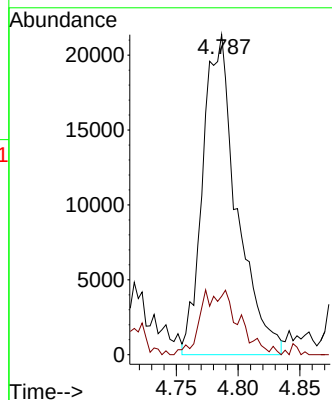
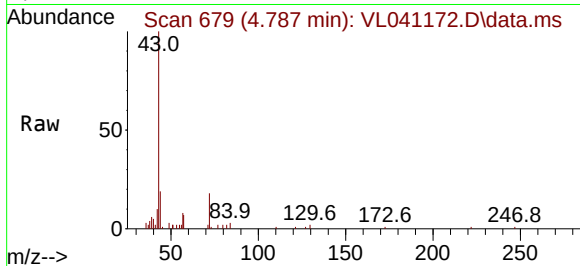
#34
2-Butanone
Concen: 0.314 ppbv m
RT: 4.787 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 43 Resp: 4096
Ion Ratio Lower Upper
43 100
72 23.3 17.6 26.4

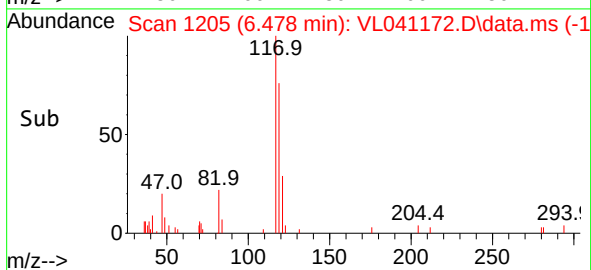
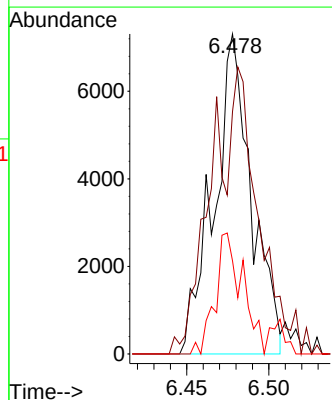
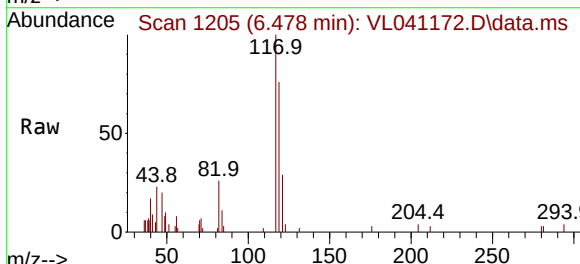
Manual Integrations
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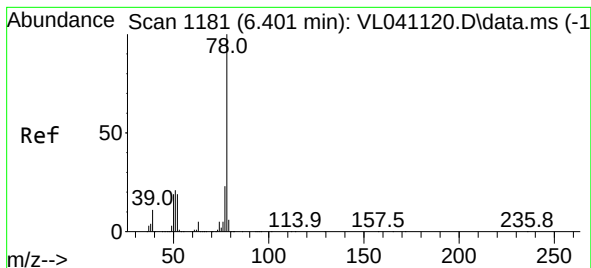
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 6.478 min Scan# 1205
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Tgt Ion:117 Resp: 11576
Ion Ratio Lower Upper
117 100
119 75.8 74.2 111.4
121 29.1 25.4 38.2





#36

Benzene

Concen: 0.644 ppbv

RT: 6.352 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL041172.D

Acq: 25 Apr 2024 15:55

Instrument :

MSVOA_L

ClientSampleId :

IA1DUP

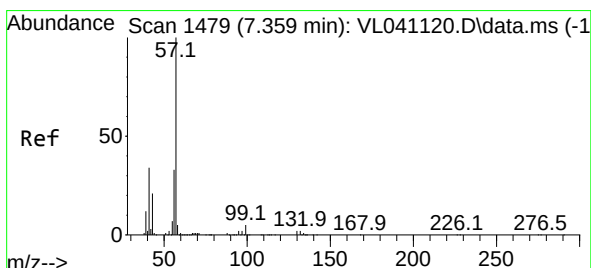
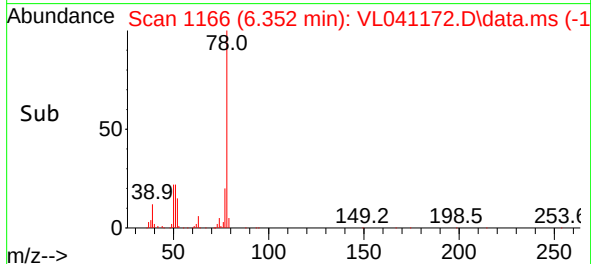
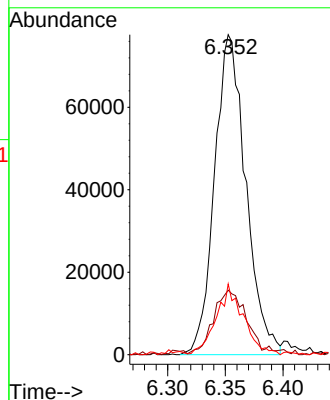
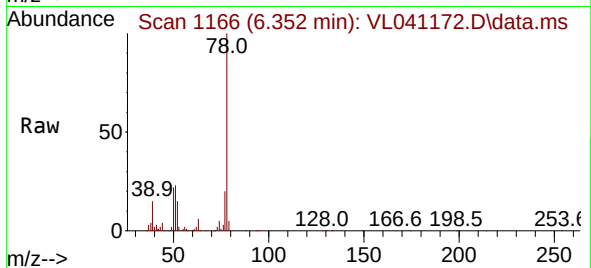
Tgt Ion: 78 Resp: 14592

Ion	Ratio	Lower	Upper
78	100		
77	19.1	18.2	27.4
50	22.1	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#44

2,2,4-Trimethylpentane

Concen: 0.513 ppbv

RT: 7.311 min Scan# 1464

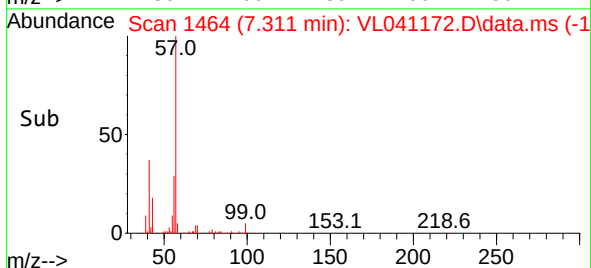
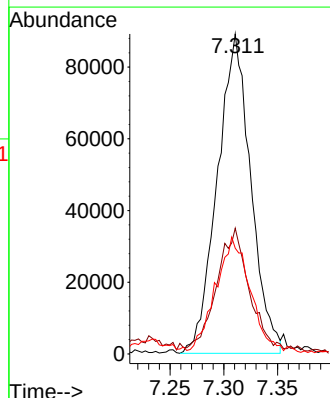
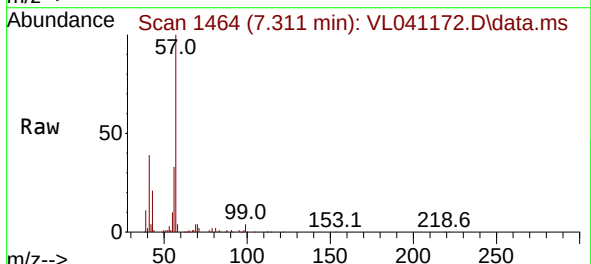
Delta R.T. 0.006 min

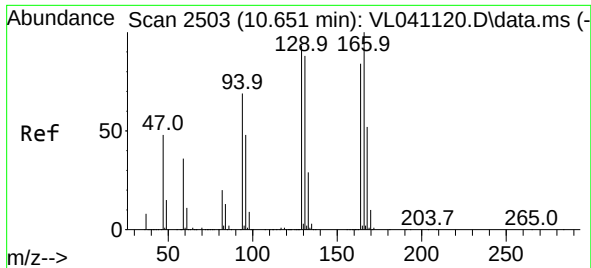
Lab File: VL041172.D

Acq: 25 Apr 2024 15:55

Tgt Ion: 57 Resp: 192590

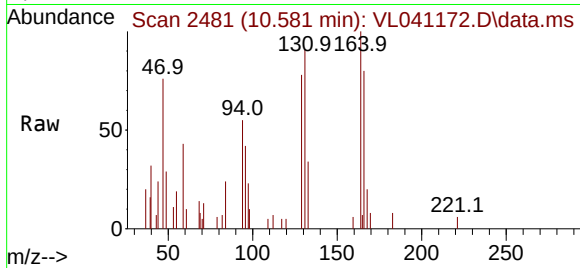
Ion	Ratio	Lower	Upper
57	100		
41	38.9	28.2	42.2
56	39.8	25.2	37.8





#52
Tetrachloroethene
Concen: 0.083 ppbv m
RT: 10.581 min Scan# 2481
Delta R.T. -0.010 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

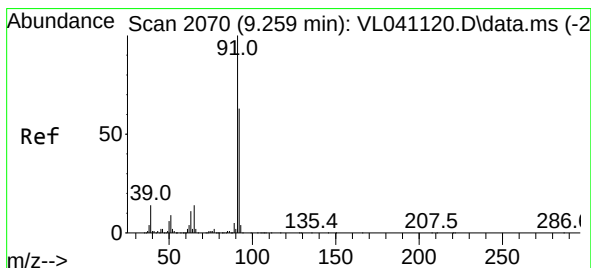
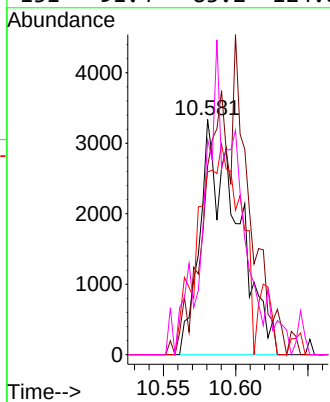
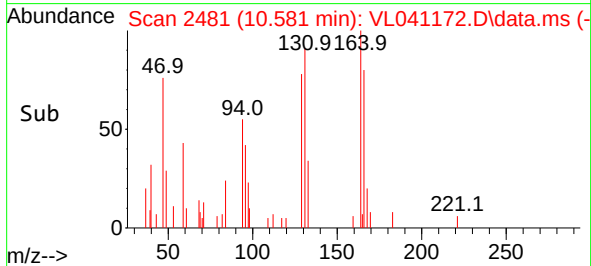
Instrument : MSVOA_L
ClientSampleId : IA1DUP



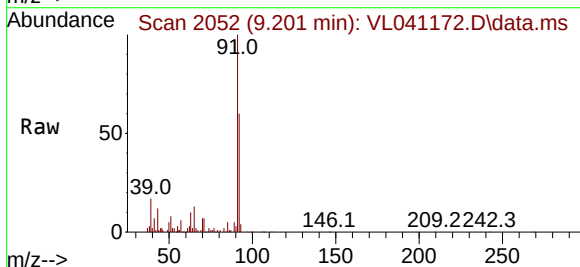
Tgt Ion:164 Resp: 603
Ion Ratio Lower Upper
164 100
166 80.2 95.0 142.6
129 77.7 88.7 133.1
131 91.4 83.2 124.8

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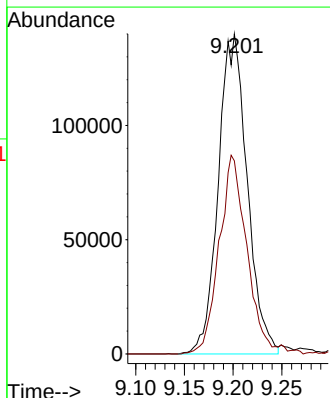
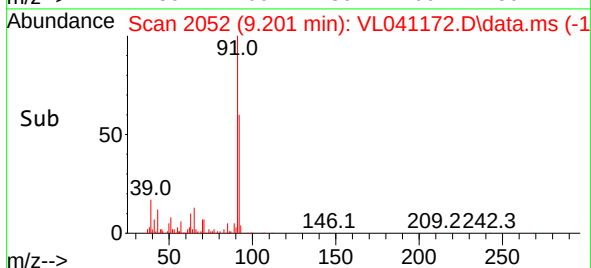
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024

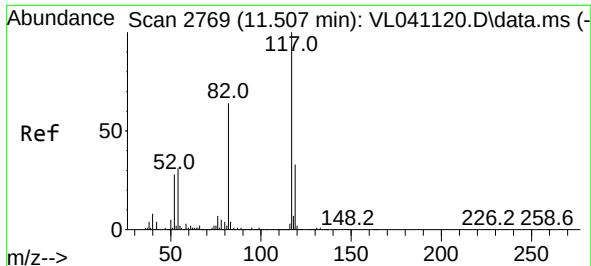


#53
Toluene
Concen: 1.211 ppbv
RT: 9.201 min Scan# 2052
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55



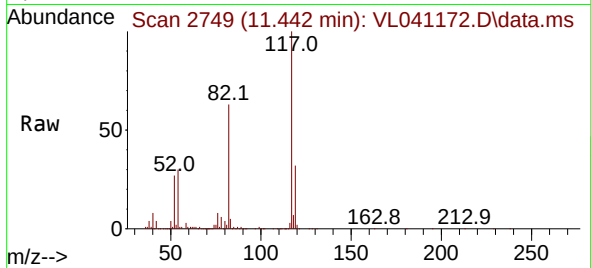
Tgt Ion: 91 Resp: 288982
Ion Ratio Lower Upper
91 100
92 60.4 49.0 73.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

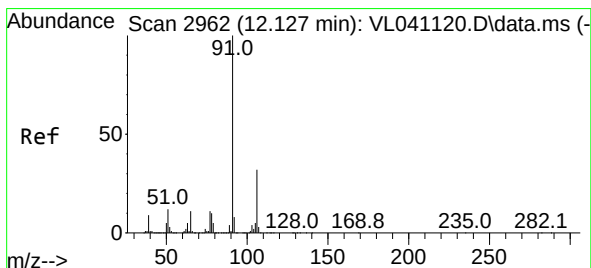
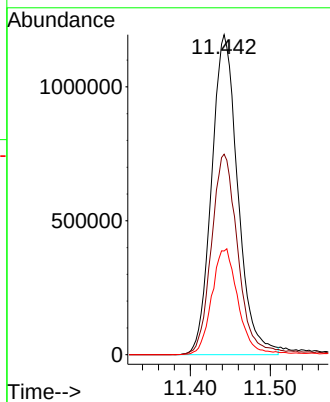
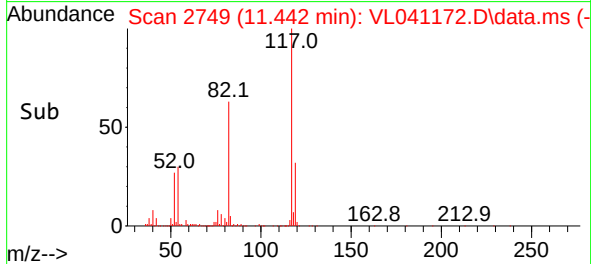
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



Tgt Ion:117 Resp: 2721429
Ion Ratio Lower Upper
117 100
82 65.0 51.0 76.6
119 34.1 25.2 37.8

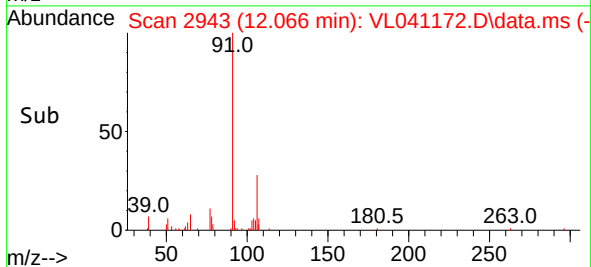
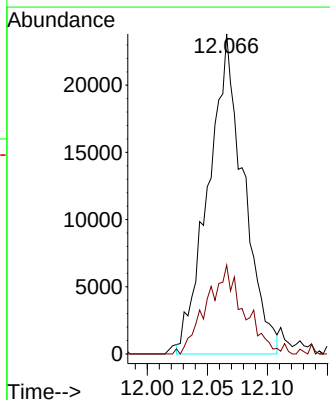
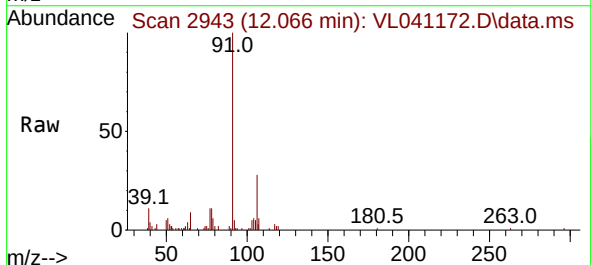
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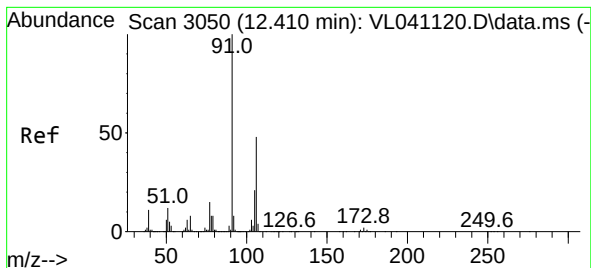
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#58
Ethyl Benzene
Concen: 0.163 ppbv m
RT: 12.066 min Scan# 2943
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Tgt Ion: 91 Resp: 48707
Ion Ratio Lower Upper
91 100
106 27.7 25.6 38.4





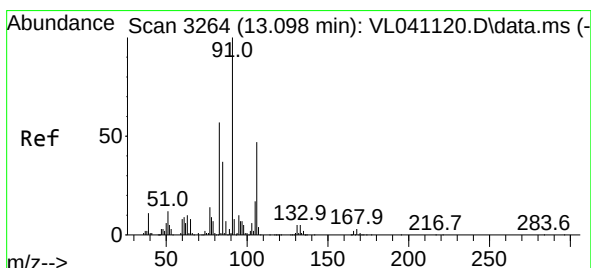
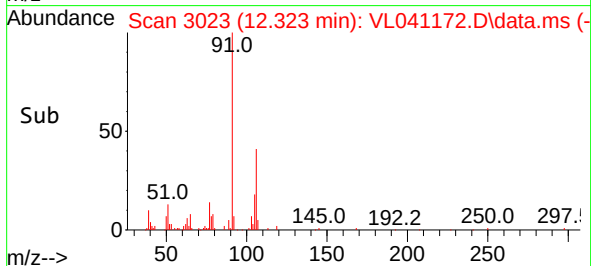
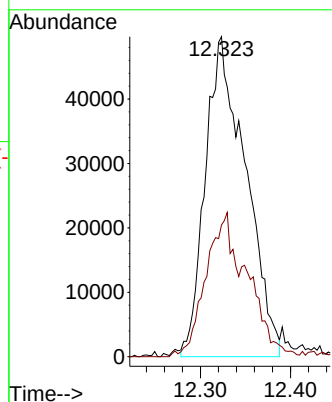
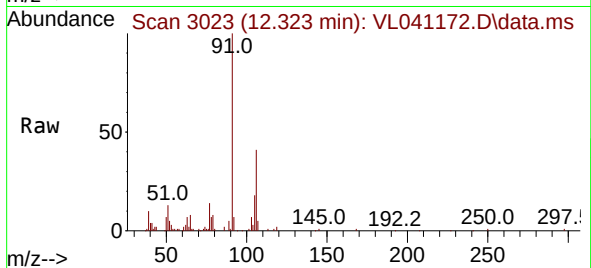
#59
m/p-Xylene
Concen: 0.574 ppbv m
RT: 12.323 min Scan# 3050
Delta R.T. -0.026 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

Instrument :
MSVOA_L
ClientSampleId :
IA1DUP

Tgt Ion: 91 Resp: 154460
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

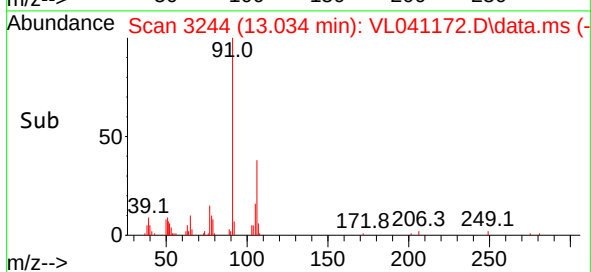
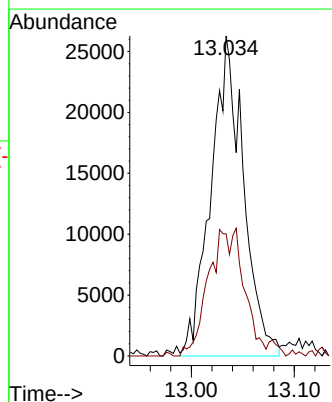
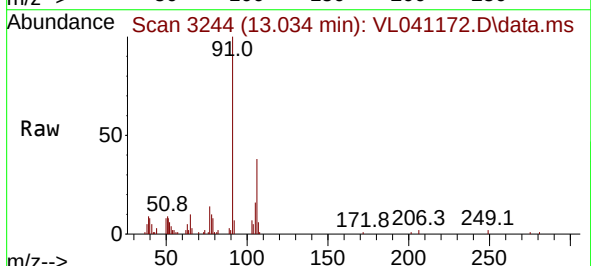
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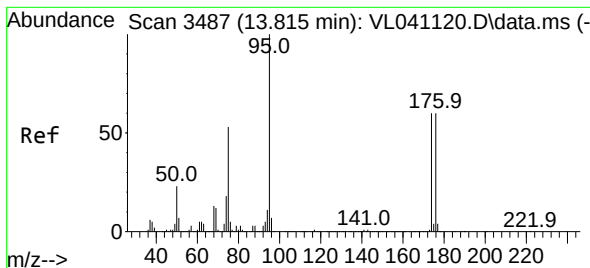
Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#60
o-Xylene
Concen: 0.226 ppbv m
RT: 13.034 min Scan# 3244
Delta R.T. -0.000 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

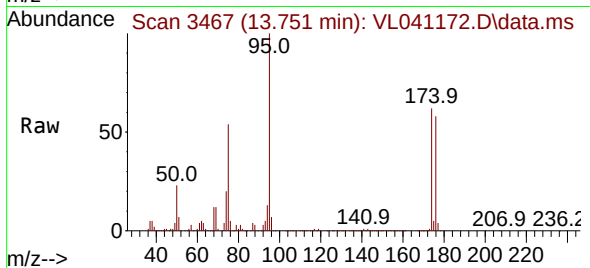
Tgt Ion: 91 Resp: 57511
Ion Ratio Lower Upper
91 100
106 0.0 22.9 68.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.673 ppbv
RT: 13.751 min Scan# 3487
Delta R.T. 0.003 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55

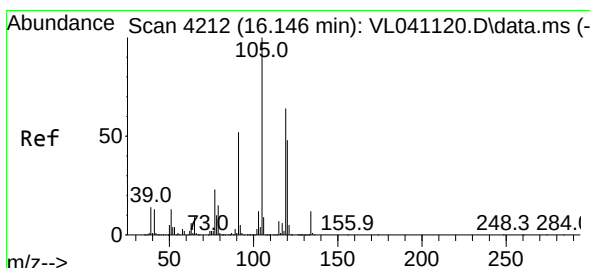
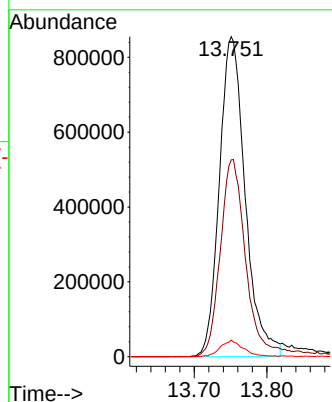
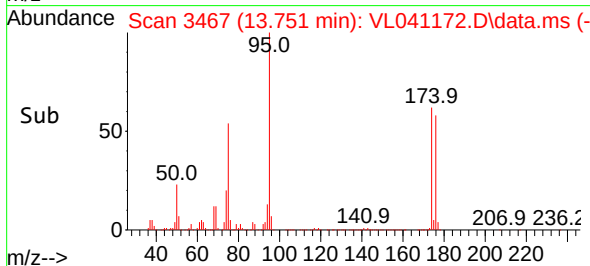
Instrument :
MSVOA_L
ClientSampleId :
IA1DUP



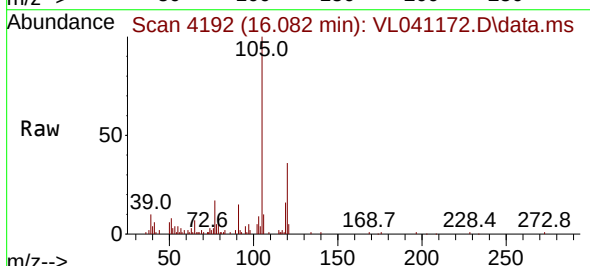
Tgt Ion: 95 Resp: 2116839
Ion Ratio Lower Upper
95 100
174 62.9 49.3 73.9
175 4.6 3.6 5.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/26/2024
Supervised By :Mahesh Dadoda 04/26/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.270 ppbv
RT: 16.082 min Scan# 4192
Delta R.T. 0.000 min
Lab File: VL041172.D
Acq: 25 Apr 2024 15:55



Tgt Ion:105 Resp: 77561
Ion Ratio Lower Upper
105 100
120 41.6 38.9 58.3
91 13.6 43.0 64.6#
77 16.4 18.6 28.0#

