

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040615.D
 Acq On : 9 Aug 2023 21:21
 Operator : SY/MD
 Sample : 03950-05DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:32:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	921666	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2209527	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	1939392	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1614689	10.520	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%
Target Compounds						
2) Dichlorodifluoromethane	2.716	85	62748m	0.340	ppbv	Qvalue
3) Chlorodifluoromethane	2.661	51	84384m	0.578	ppbv	
4) Chloromethane	2.803	50	32195	0.556	ppbv	96
9) Propene	2.690	41	28926	0.578	ppbv	92
11) Trichlorofluoromethane	3.555	101	45329	0.305	ppbv	93
13) Ethanol	3.234	45	109300m	10.045	ppbv	
15) Acetone	3.459	43	707705	6.671	ppbv	99
19) Isopropyl Alcohol	3.578	45	59725	0.981	ppbv #	96
20) Methylene Chloride	3.928	84	732965	16.242	ppbv	98
26) Hexane	5.208	57	322937	3.442	ppbv #	39
34) 2-Butanone	4.796	43	25306m	0.232	ppbv	
35) Carbon Tetrachloride	6.491	117	11403m	0.086	ppbv	
36) Benzene	6.365	78	24095m	0.136	ppbv	
53) Toluene	9.227	91	25801m	0.134	ppbv	

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

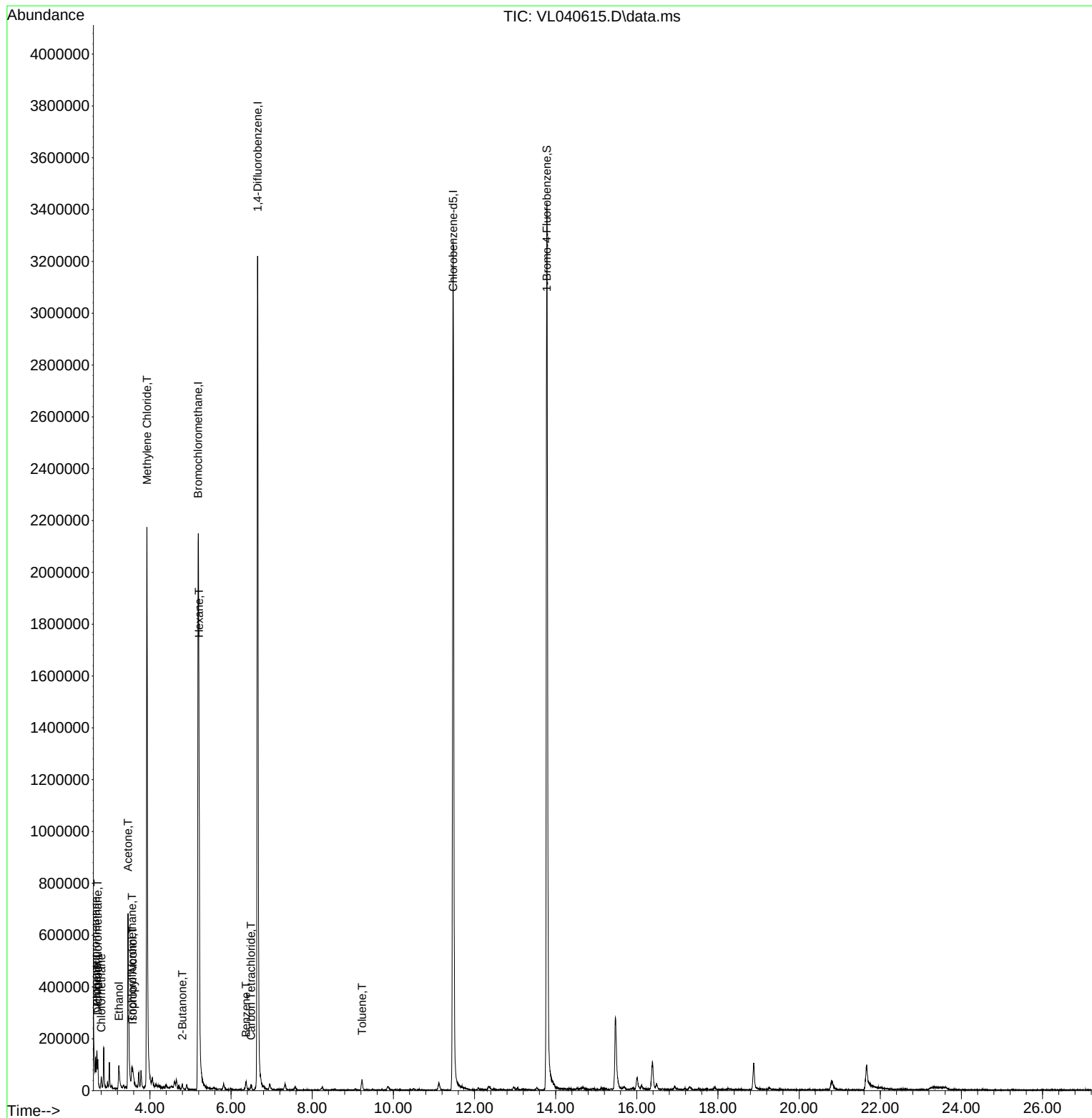
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
Data File : VL040615.D
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Operator : SY/MD
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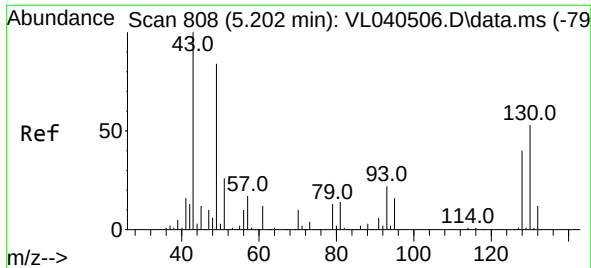
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Quant Time: Aug 10 01:32:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

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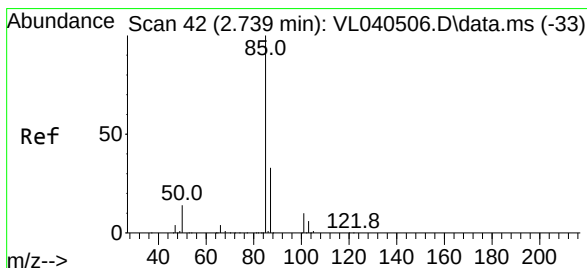
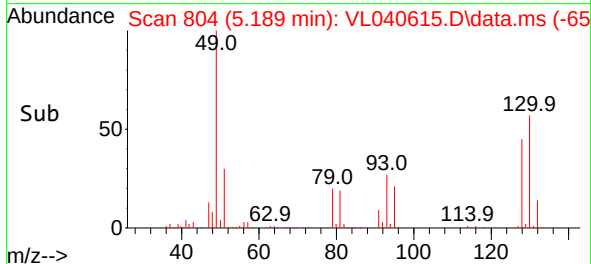
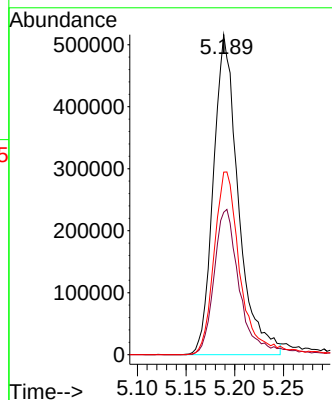
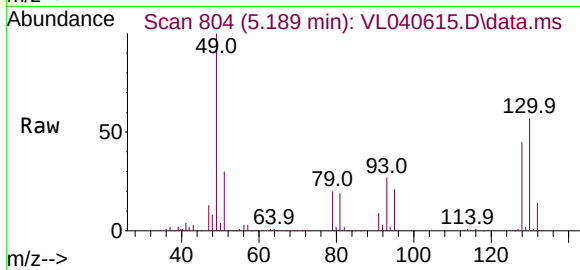
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 49 Resp: 92166
Ion Ratio Lower Upper
49 100
128 47.8 25.1 75.4
130 61.3 31.6 94.7

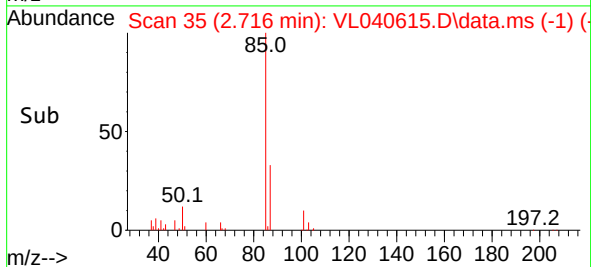
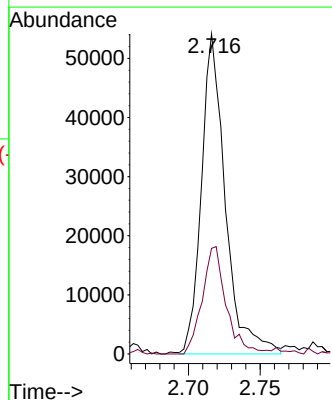
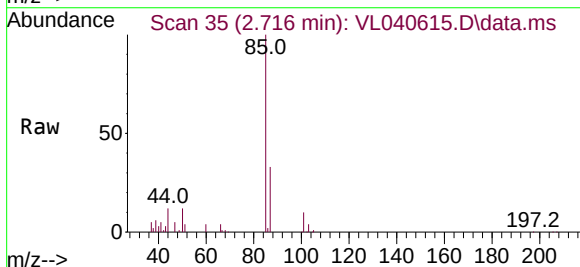
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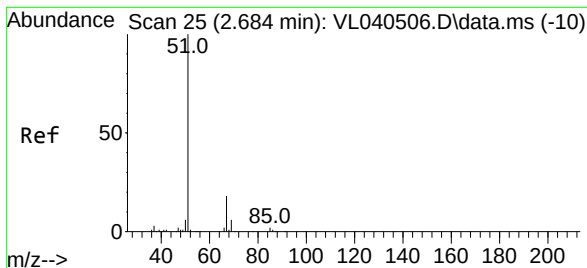
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#2
Dichlorodifluoromethane
Concen: 0.340 ppbv m
RT: 2.716 min Scan# 35
Delta R.T. -0.022 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

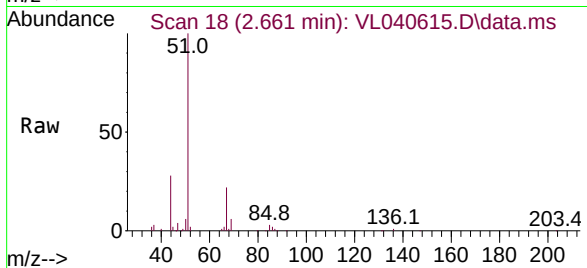
Tgt Ion: 85 Resp: 62748
Ion Ratio Lower Upper
85 100
87 33.0 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.578 ppbv m
RT: 2.661 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

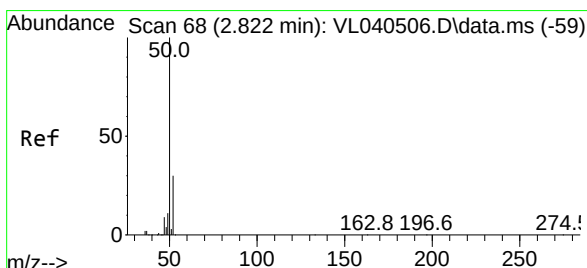
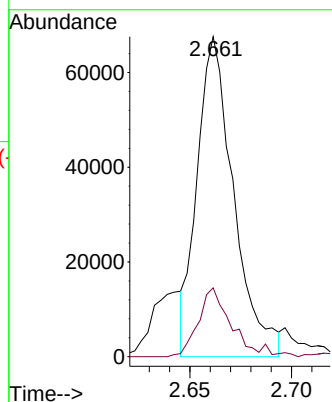
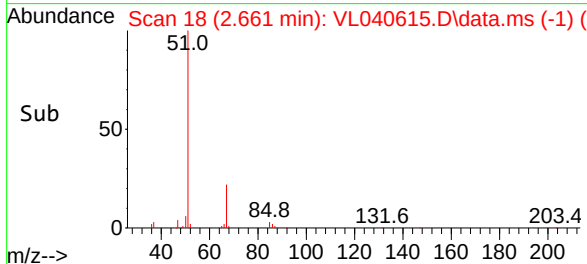
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



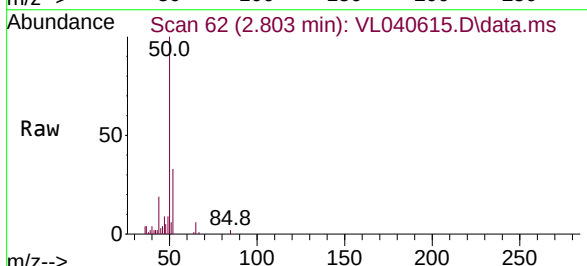
Tgt Ion: 51 Resp: 84384
Ion Ratio Lower Upper
51 100
67 20.6 14.6 21.8

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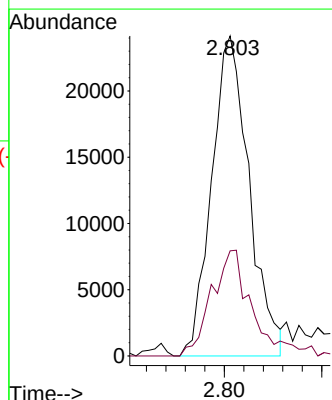
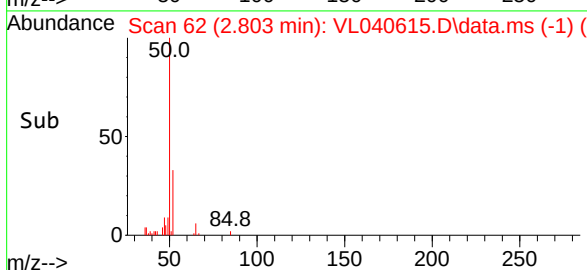
Reviewed By :Semsettin Yesilyurt 08/10/2023
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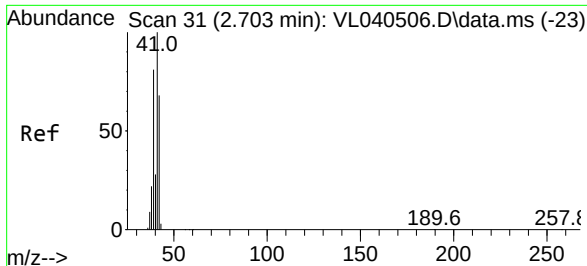


#4
Chloromethane
Concen: 0.556 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.019 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21



Tgt Ion: 50 Resp: 32195
Ion Ratio Lower Upper
50 100
52 32.8 24.4 36.6





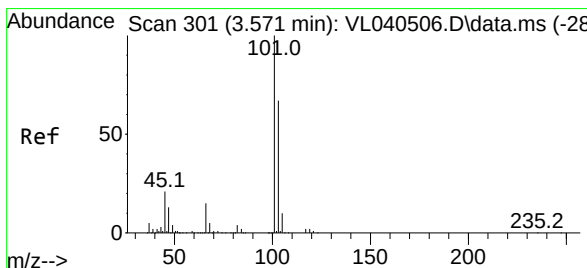
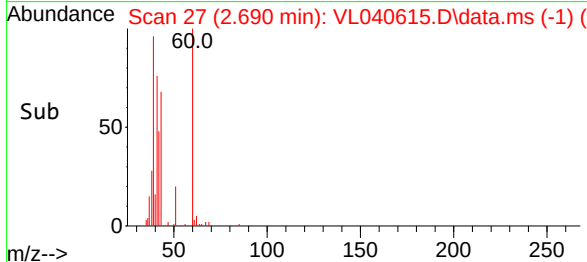
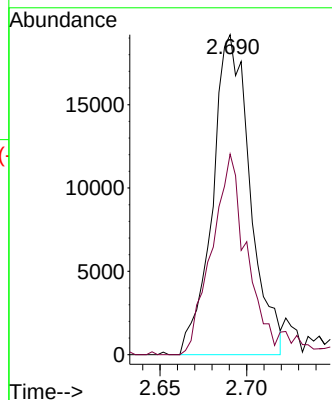
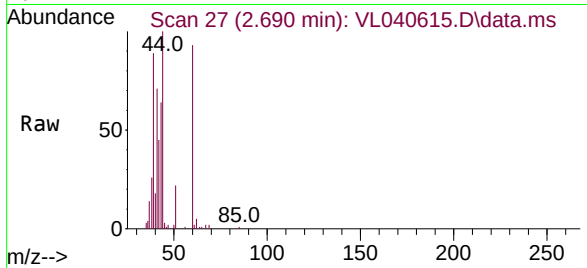
#9
Propene
Concen: 0.578 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 41 Resp: 28920
Ion Ratio Lower Upper
41 100
42 62.2 55.0 82.6

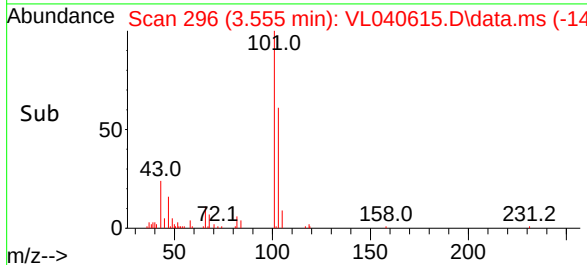
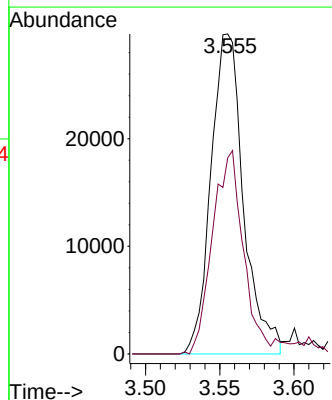
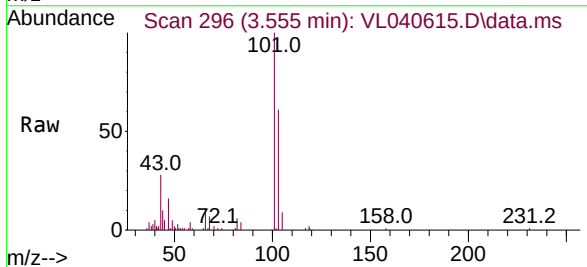
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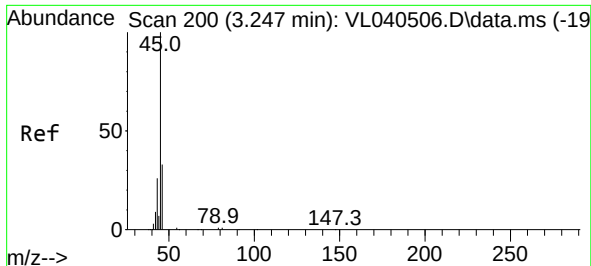
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#11
Trichlorofluoromethane
Concen: 0.305 ppbv
RT: 3.555 min Scan# 296
Delta R.T. -0.016 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

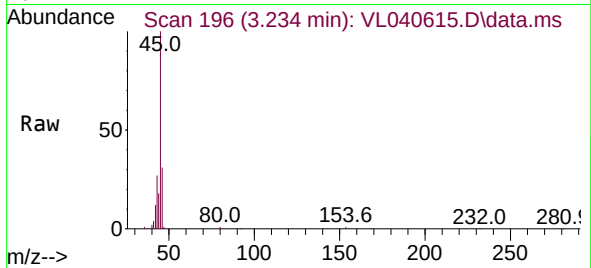
Tgt Ion:101 Resp: 45329
Ion Ratio Lower Upper
101 100
103 61.3 53.4 80.0





#13
Ethanol
Concen: 10.045 ppbv m
RT: 3.234 min Scan# 196
Delta R.T. -0.013 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

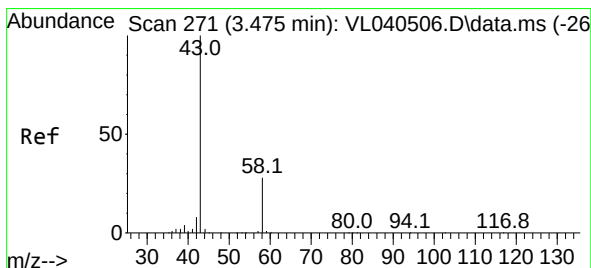
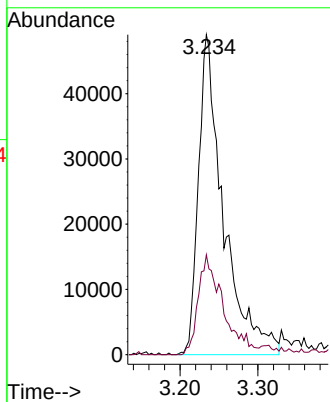
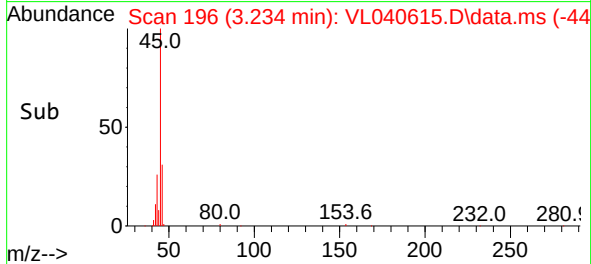
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 45 Resp: 109300
Ion Ratio Lower Upper
45 100
46 33.4 15.3 61.1

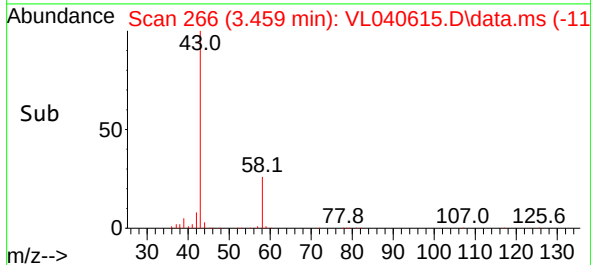
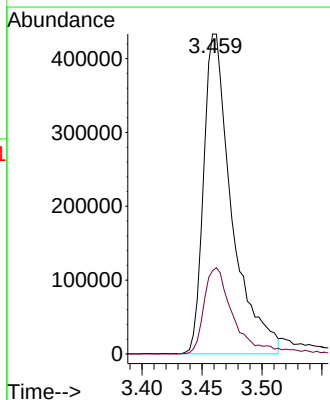
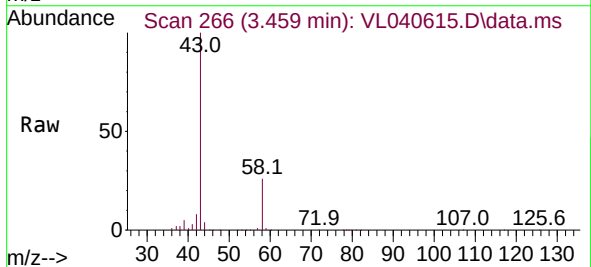
Manual Integrations
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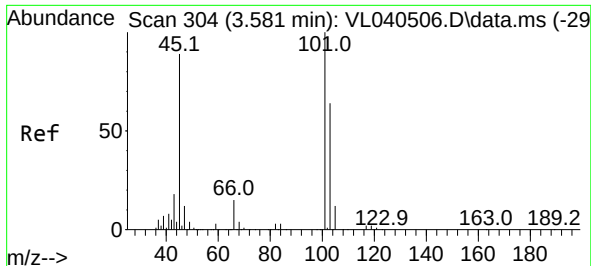
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#15
Acetone
Concen: 6.671 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.016 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

Tgt Ion: 43 Resp: 707705
Ion Ratio Lower Upper
43 100
58 29.3 22.9 34.3





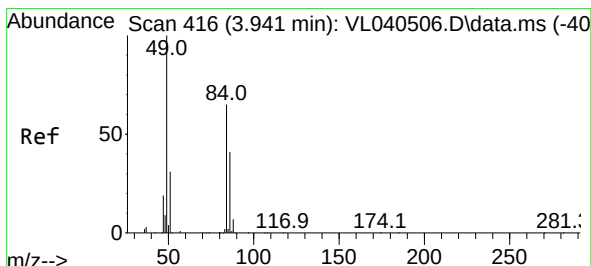
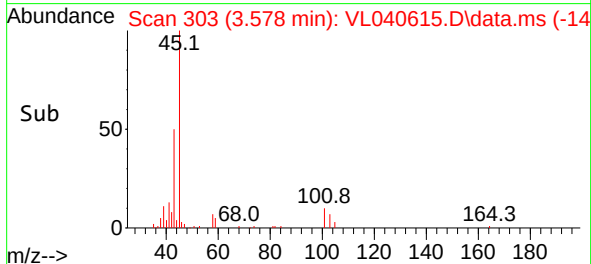
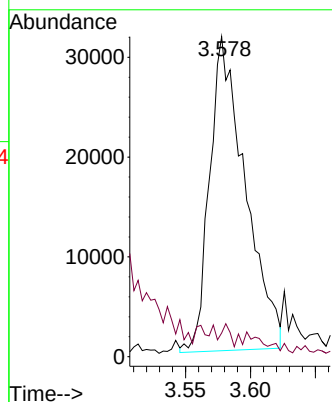
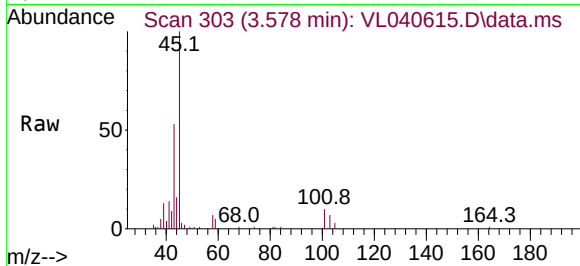
#19
Isopropyl Alcohol
Concen: 0.981 ppbv
RT: 3.578 min Scan# 304
Delta R.T. -0.003 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 45 Resp: 59725
Ion Ratio Lower Upper
45 100
58 0.0 1.1 1.7

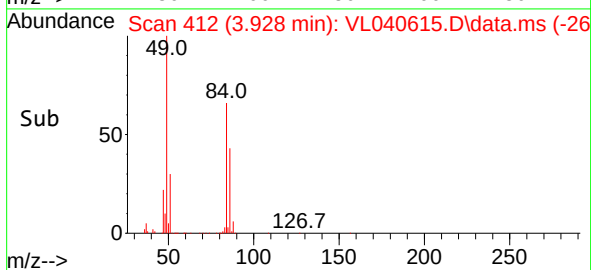
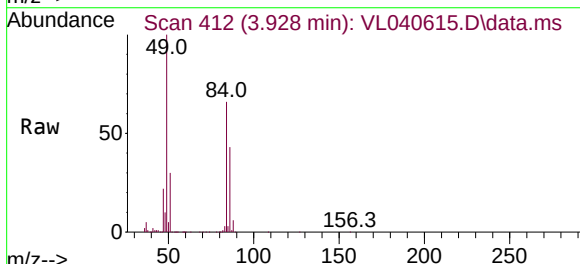
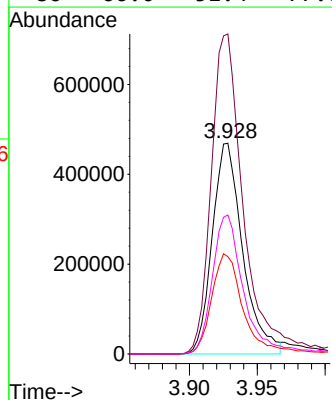
Manual Integrations
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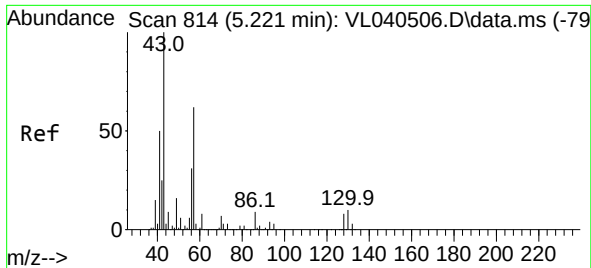
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#20
Methylene Chloride
Concen: 16.242 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.013 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

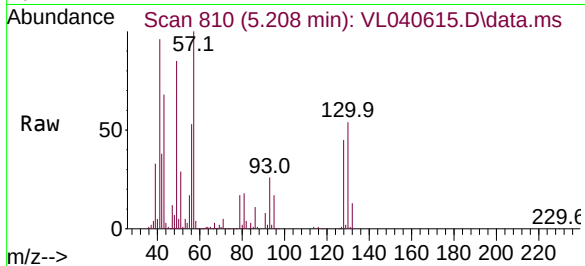
Tgt Ion: 84 Resp: 732965
Ion Ratio Lower Upper
84 100
49 151.8 123.4 185.2
51 46.1 38.3 57.5
86 66.0 51.4 77.0





#26
Hexane
Concen: 3.442 ppbv
RT: 5.208 min Scan# 814
Delta R.T. -0.013 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

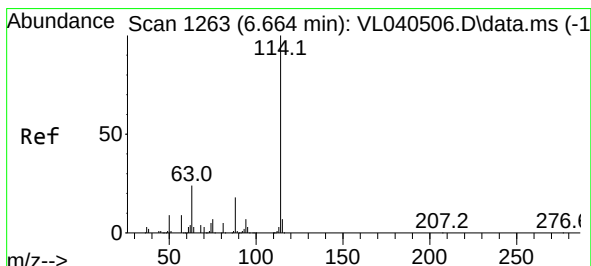
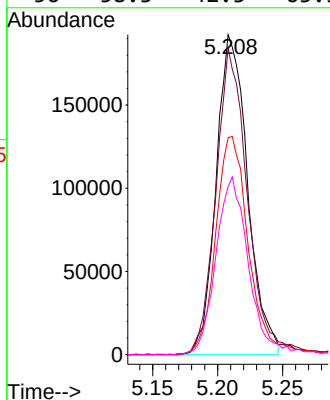
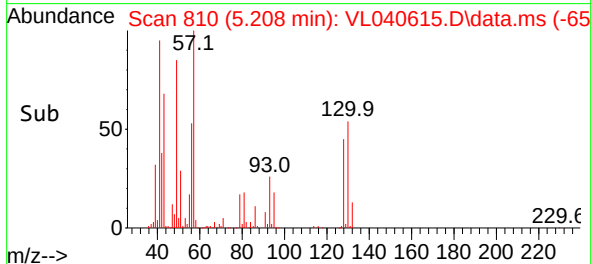
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



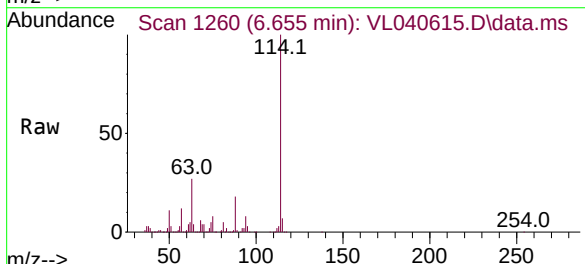
Tgt Ion: 57 Resp: 322937
Ion Ratio Lower Upper
57 100
41 98.1 69.5 104.3
43 71.9 177.1 265.7
56 58.3 42.3 63.5

Manual Integrations
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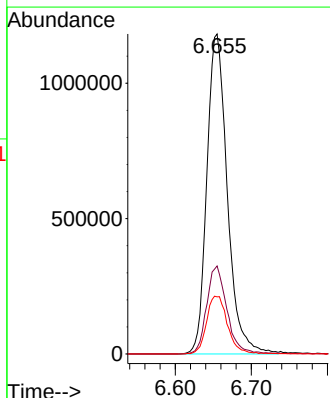
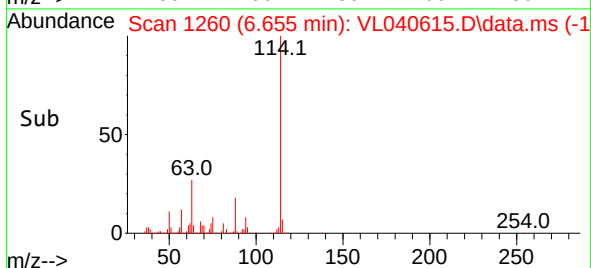
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

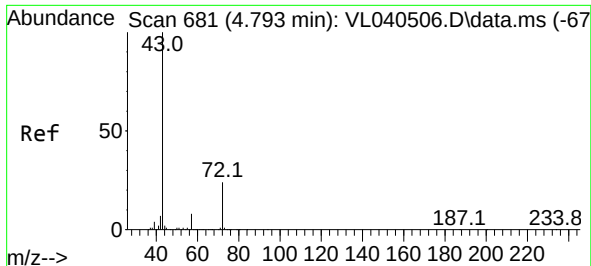


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.010 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21



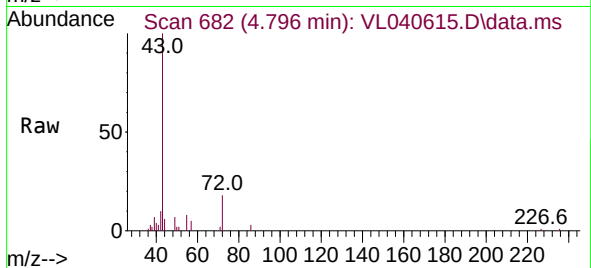
Tgt Ion:114 Resp: 2209527
Ion Ratio Lower Upper
114 100
63 27.4 19.6 29.4
88 18.6 14.2 21.2





#34
2-Butanone
Concen: 0.232 ppbv m
RT: 4.796 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

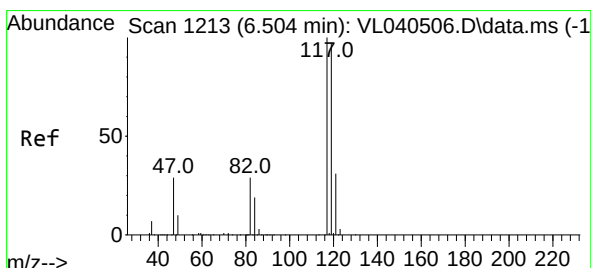
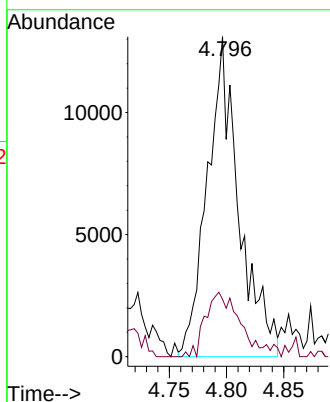
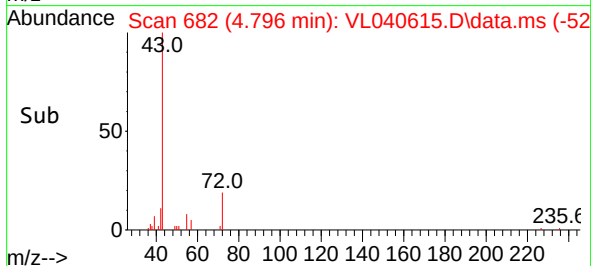
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 43 Resp: 25300
Ion Ratio Lower Upper
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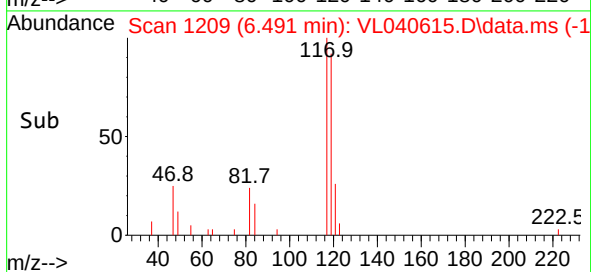
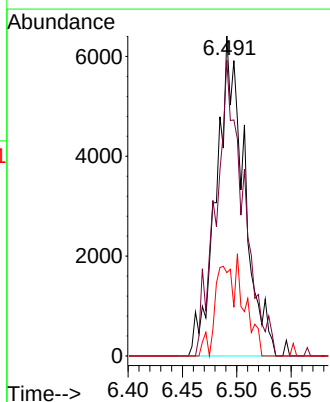
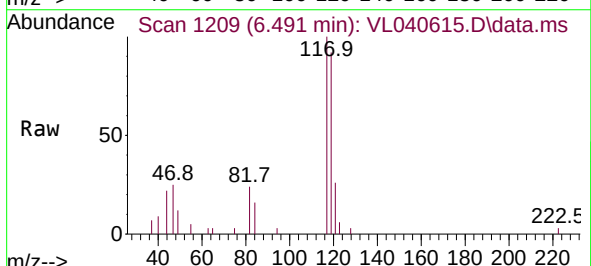
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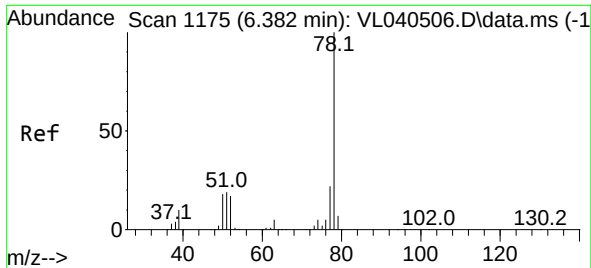
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. -0.013 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

Tgt Ion:117 Resp: 11403
Ion Ratio Lower Upper
117 100
119 92.4 77.8 116.6
121 26.1 24.8 37.2





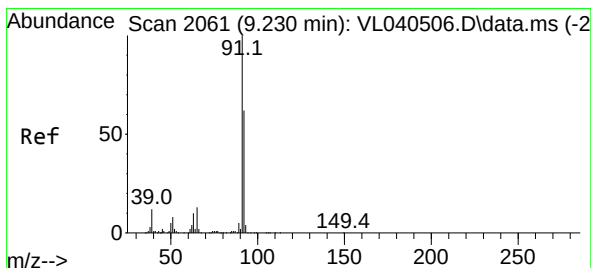
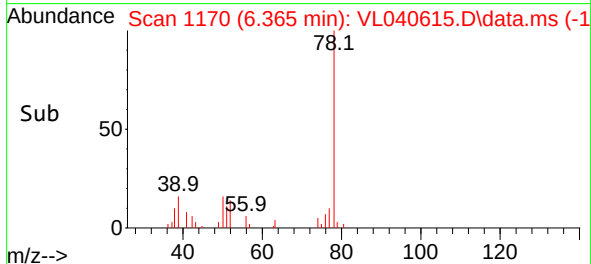
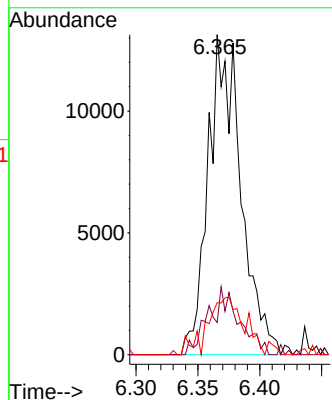
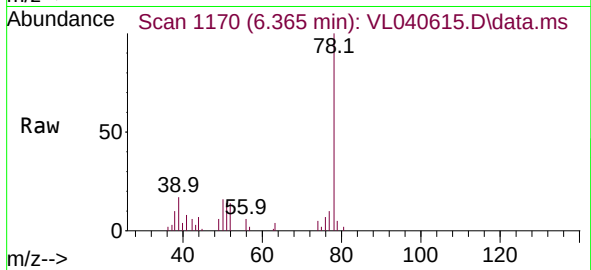
#36
Benzene
Concen: 0.136 ppbv m
RT: 6.365 min Scan# 1175
Delta R.T. -0.016 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 78 Resp: 24095
Ion Ratio Lower Upper
78 100
77 10.1 17.4 26.0
50 16.2 14.4 21.6

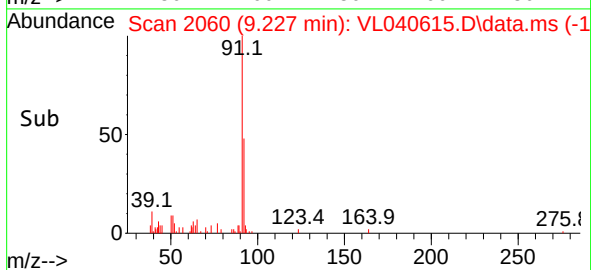
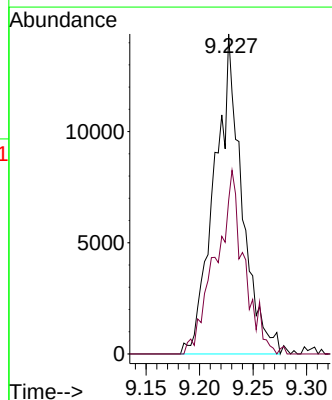
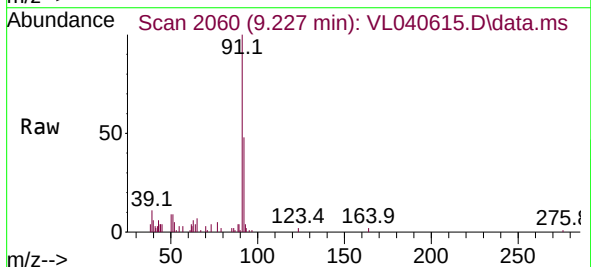
Manual Integrations
APPROVED

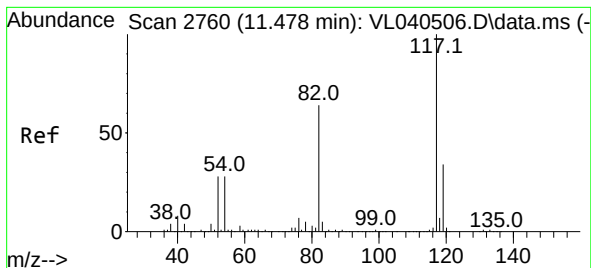
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#53
Toluene
Concen: 0.134 ppbv m
RT: 9.227 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

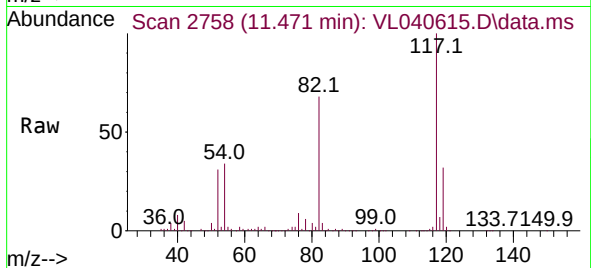
Tgt Ion: 91 Resp: 25801
Ion Ratio Lower Upper
91 100
92 0.0 49.1 73.7#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

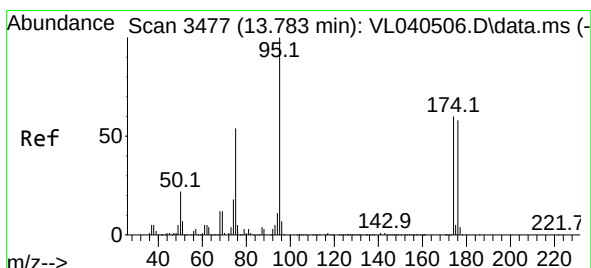
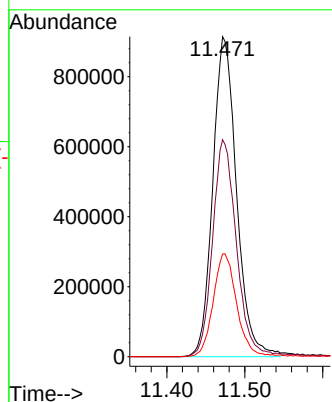
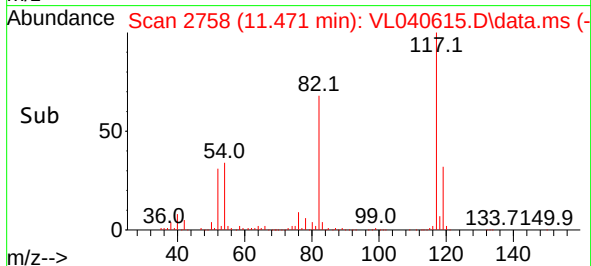
Instrument :
MSVOA_L
ClientSampleId :
OA1DUP



Tgt Ion: 117 Resp: 193939
Ion Ratio Lower Upper
117 100
82 68.7 50.2 75.4
119 32.1 26.9 40.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.520 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040615.D
Acq: 9 Aug 2023 21:21

Tgt Ion: 95 Resp: 1614689
Ion Ratio Lower Upper
95 100
174 58.9 50.6 75.8
175 4.4 3.7 5.5

