

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040614.D
 Acq On : 9 Aug 2023 20:40
 Operator : SY/MD
 Sample : 03950-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 01:32:31 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	863533	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2049925	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	1777346	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1523914	10.834	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	56073	0.325	ppbv #	87
3) Chlorodifluoromethane	2.658	51	86020m	0.628	ppbv	
4) Chloromethane	2.803	50	29793	0.549	ppbv	97
9) Propene	2.690	41	25558	0.545	ppbv	94
11) Trichlorofluoromethane	3.555	101	38378	0.275	ppbv	91
13) Ethanol	3.231	45	92860m	9.108	ppbv	
15) Acetone	3.459	43	651398	6.553	ppbv	99
19) Isopropyl Alcohol	3.581	45	59132	1.036	ppbv #	69
20) Methylene Chloride	3.925	84	686756	16.243	ppbv	99
26) Hexane	5.211	57	307700	3.500	ppbv #	40
34) 2-Butanone	4.800	43	22733m	0.224	ppbv	
35) Carbon Tetrachloride	6.488	117	10354m	0.084	ppbv	
36) Benzene	6.369	78	21561m	0.131	ppbv	
53) Toluene	9.224	91	24715m	0.138	ppbv	

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

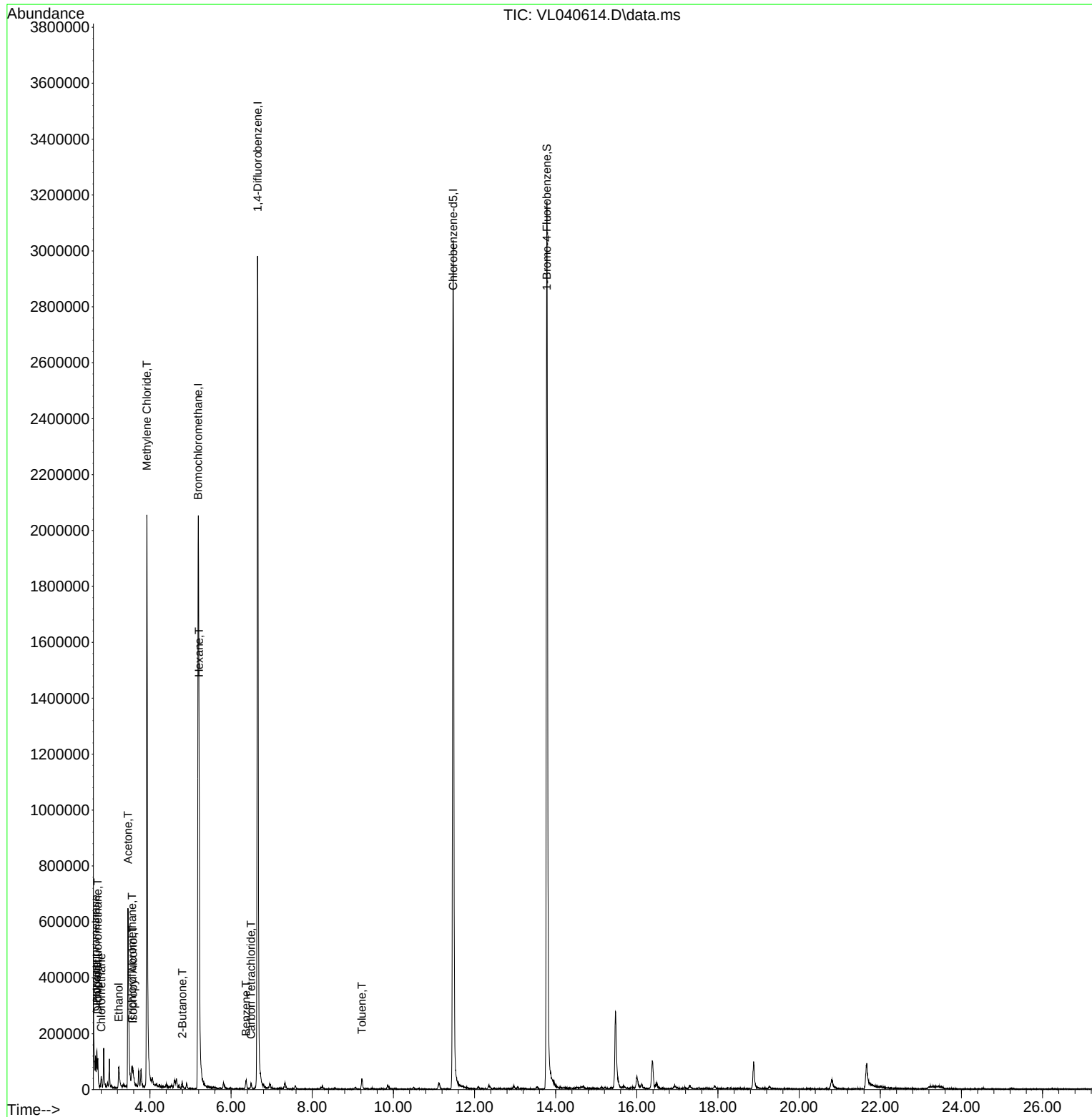
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
Data File : VL040614.D
Acq On : 9 Aug 2023 20:40
Operator : SY/MD
Sample : 03950-05
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

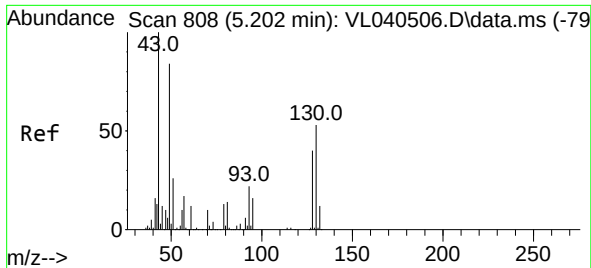
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Aug 10 01:32:31 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

Manual Integrations
APPROVED

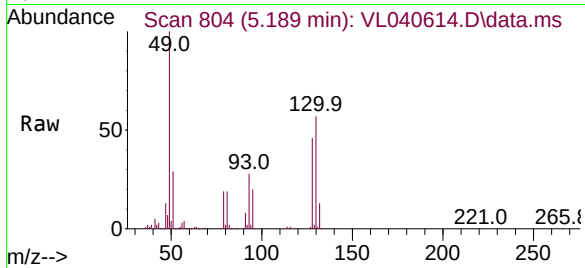
Reviewed By : Semsettin Yesilyurt 08/10/2023
Supervised By : Mahesh Dadoda 08/10/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

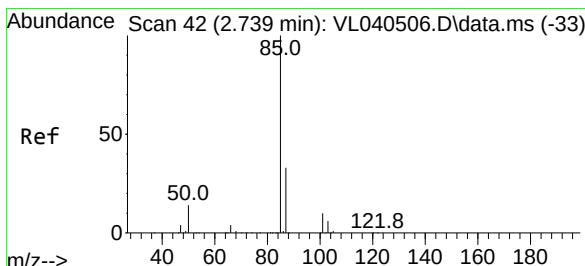
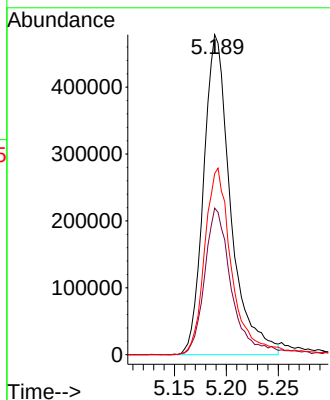
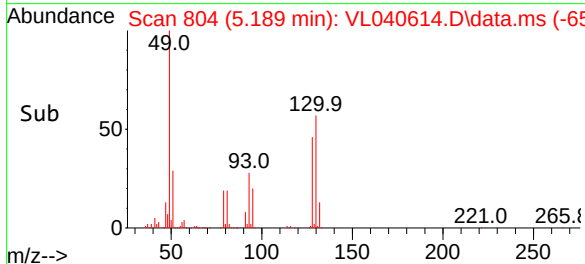
Instrument :
MSVOA_L
ClientSampleId :
OA1



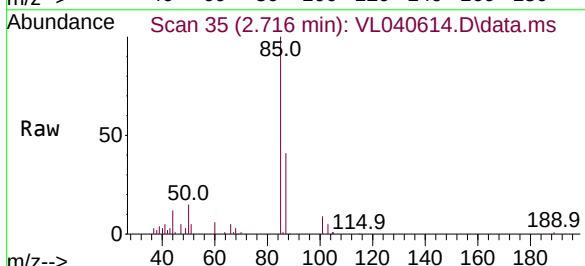
Tgt Ion: 49 Resp: 86353
Ion Ratio Lower Upper
49 100
128 46.5 25.1 75.4
130 60.3 31.6 94.7

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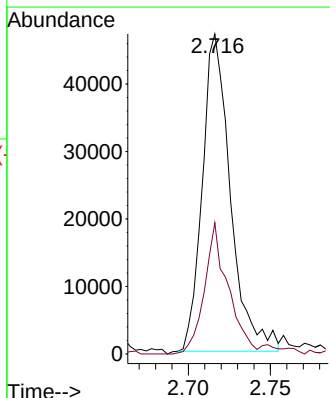
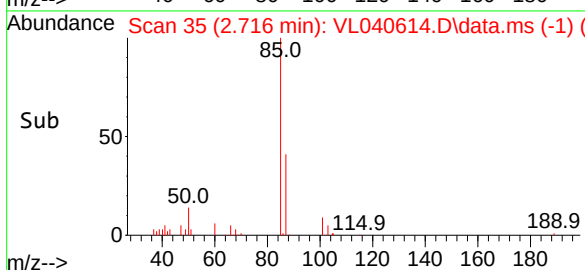
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

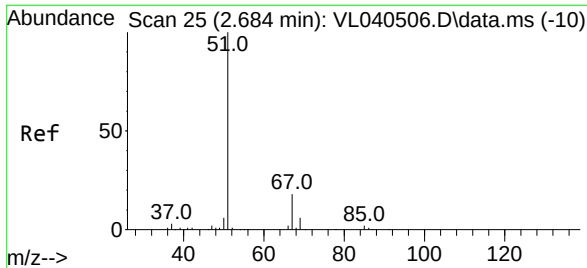


#2
Dichlorodifluoromethane
Concen: 0.325 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.022 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40



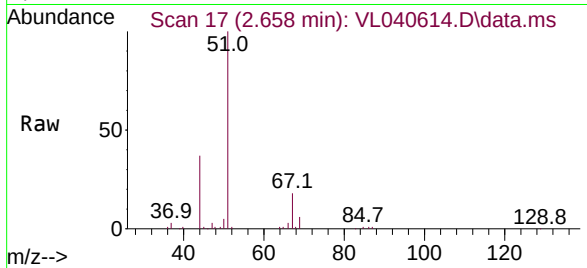
Tgt Ion: 85 Resp: 56073
Ion Ratio Lower Upper
85 100
87 41.0 26.8 40.2





#3
Chlorodifluoromethane
Concen: 0.628 ppbv m
RT: 2.658 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

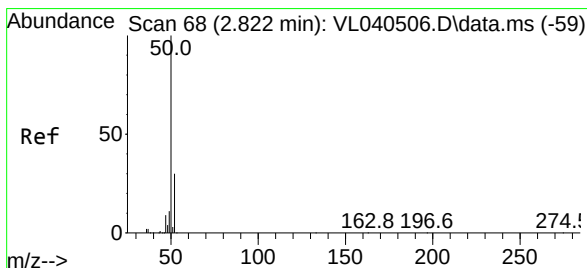
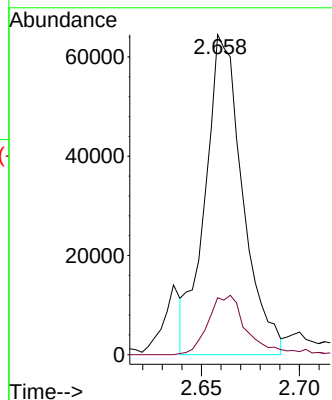
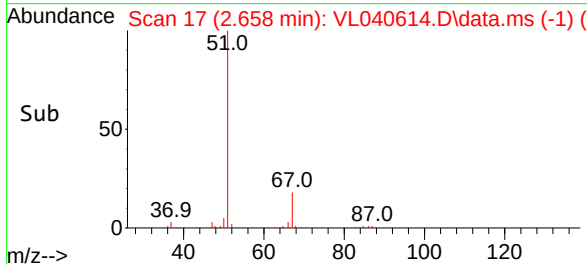
Instrument :
MSVOA_L
ClientSampleId :
OA1



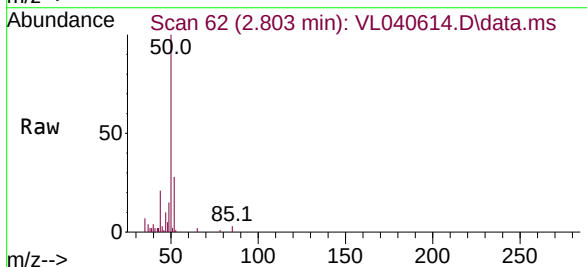
Tgt Ion: 51 Resp: 86020
Ion Ratio Lower Upper
51 100
67 19.7 14.6 21.8

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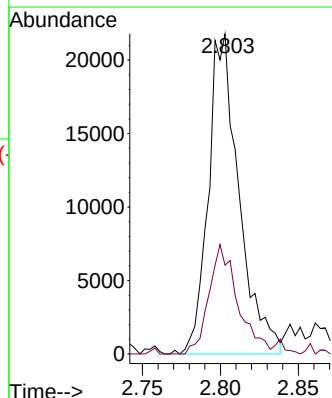
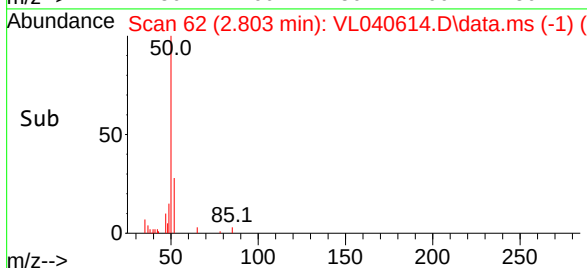
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

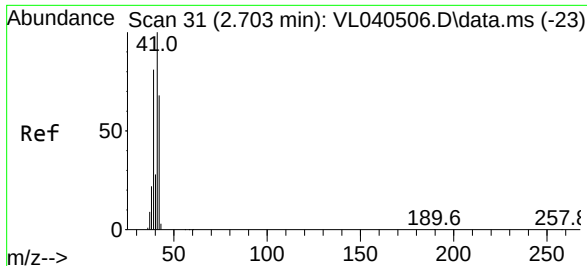


#4
Chloromethane
Concen: 0.549 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.019 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40



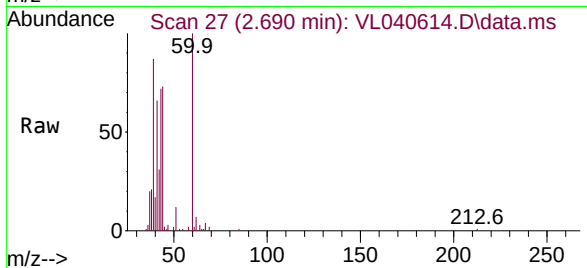
Tgt Ion: 50 Resp: 29793
Ion Ratio Lower Upper
50 100
52 28.8 24.4 36.6





#9
 Propene
 Concen: 0.545 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VL040614.D
 Acq: 9 Aug 2023 20:40

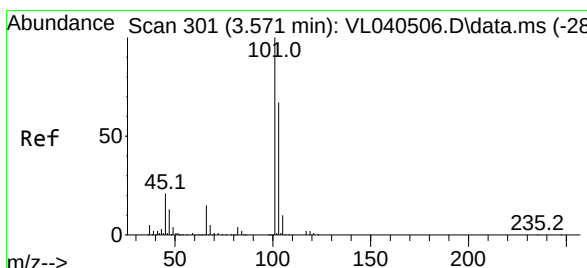
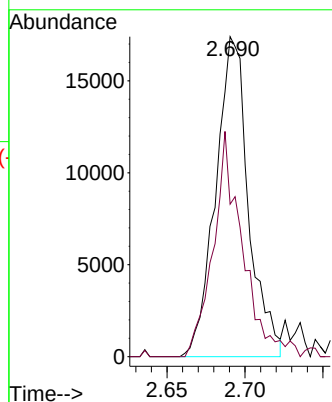
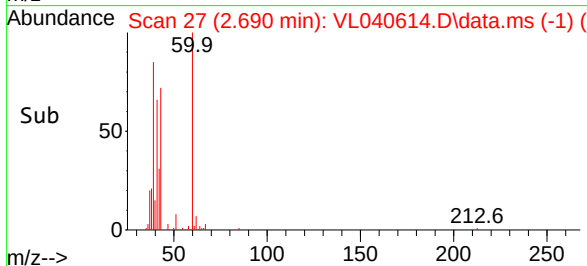
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 25558
 Ion Ratio Lower Upper
 41 100
 42 63.6 55.0 82.6

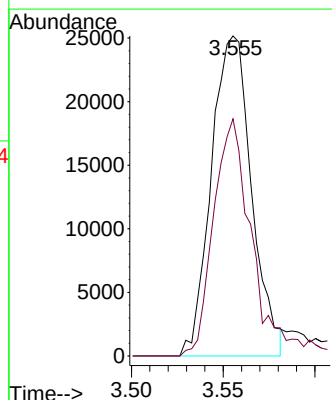
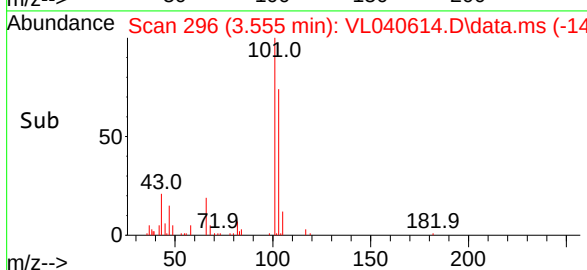
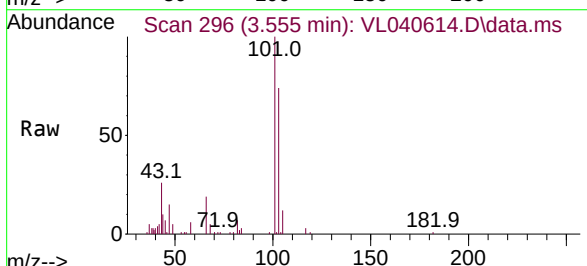
Manual Integrations
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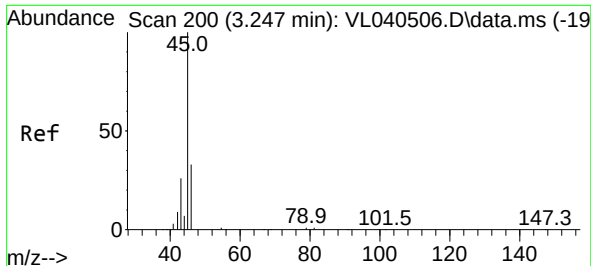
Reviewed By :Semsettin Yesilyurt 08/10/2023
 Supervised By :Mahesh Dadoda 08/10/2023



#11
 Trichlorofluoromethane
 Concen: 0.275 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. -0.016 min
 Lab File: VL040614.D
 Acq: 9 Aug 2023 20:40

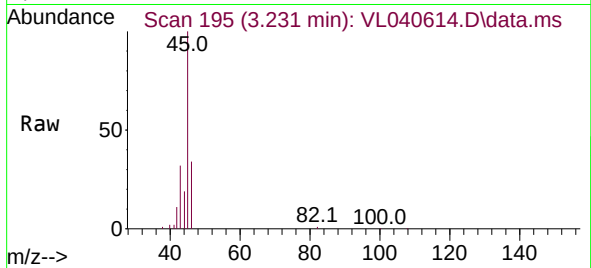
Tgt Ion:101 Resp: 38378
 Ion Ratio Lower Upper
 101 100
 103 74.1 53.4 80.0





#13
Ethanol
Concen: 9.108 ppbv m
RT: 3.231 min Scan# 195
Delta R.T. -0.016 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

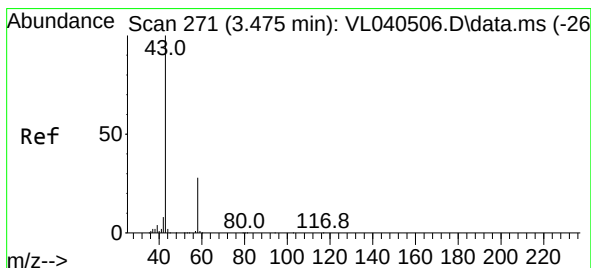
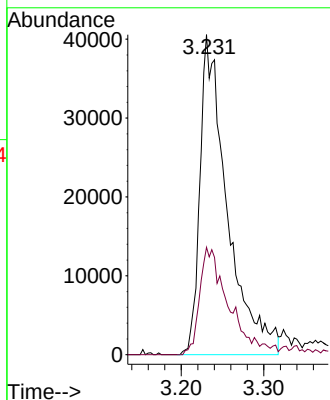
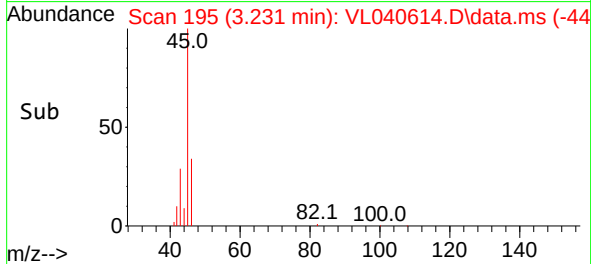
Instrument :
MSVOA_L
ClientSampleId :
OA1



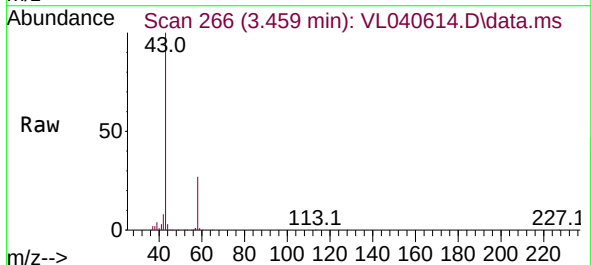
Tgt Ion: 45 Resp: 92860
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

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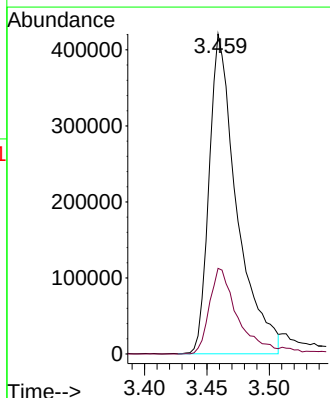
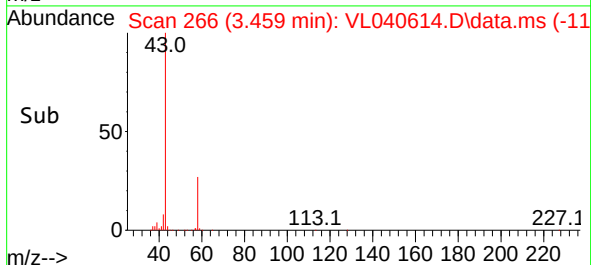
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

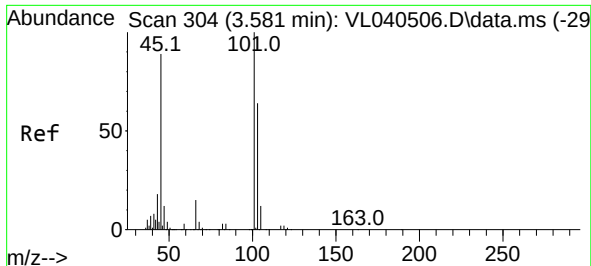


#15
Acetone
Concen: 6.553 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.016 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40



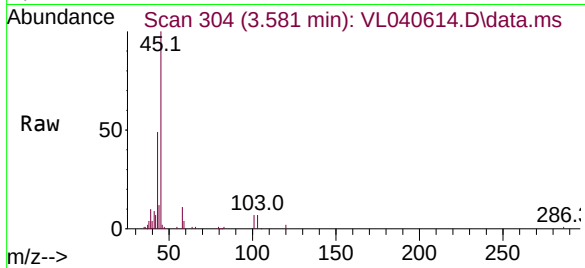
Tgt Ion: 43 Resp: 651398
Ion Ratio Lower Upper
43 100
58 28.9 22.9 34.3





#19
Isopropyl Alcohol
Concen: 1.036 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.000 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

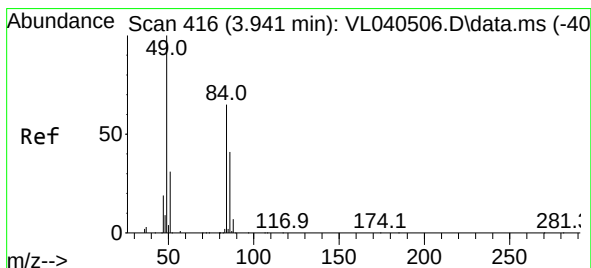
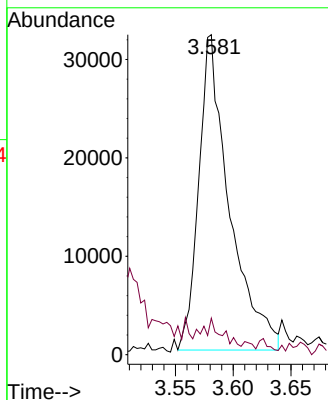
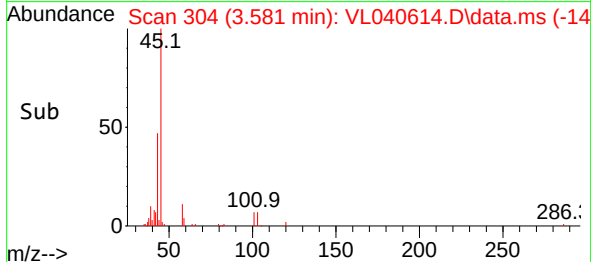
Instrument :
MSVOA_L
ClientSampleId :
OA1



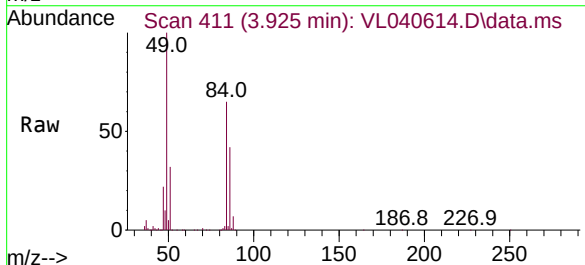
Tgt Ion: 45 Resp: 59132
Ion Ratio Lower Upper
45 100
58 13.4 1.1 1.75

Manual Integrations
APPROVED

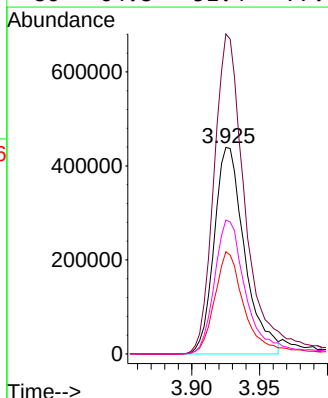
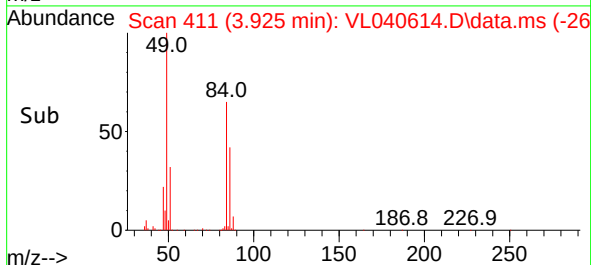
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023

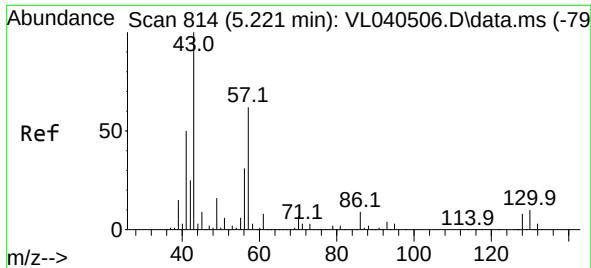


#20
Methylene Chloride
Concen: 16.243 ppbv
RT: 3.925 min Scan# 411
Delta R.T. -0.016 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40



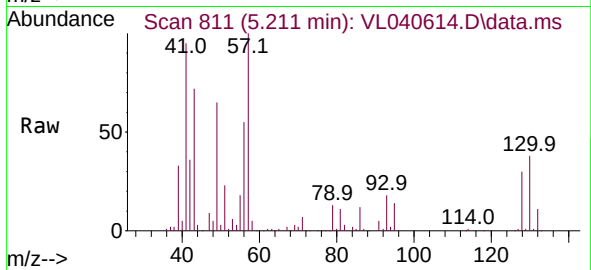
Tgt Ion: 84 Resp: 686756
Ion Ratio Lower Upper
84 100
49 155.0 123.4 185.2
51 49.5 38.3 57.5
86 64.8 51.4 77.0





#26
Hexane
Concen: 3.500 ppbv
RT: 5.211 min Scan# 814
Delta R.T. -0.010 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

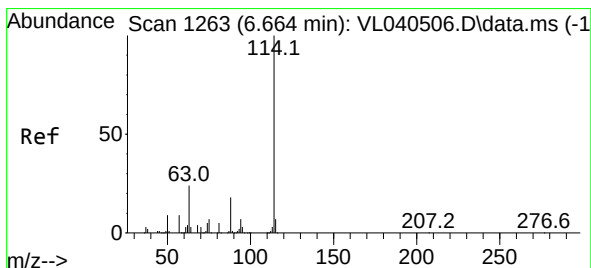
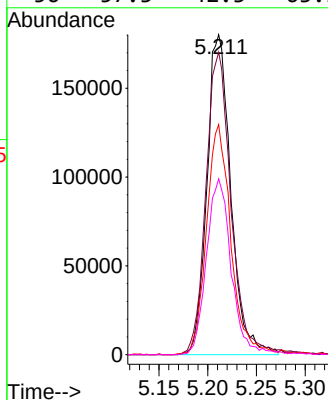
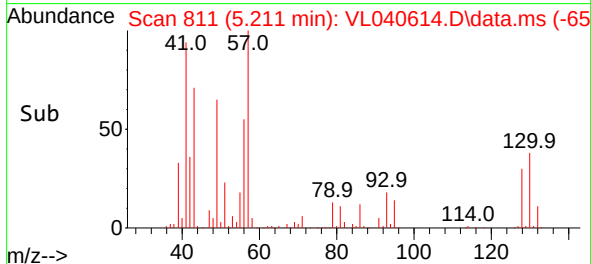
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 307700
Ion Ratio Lower Upper
57 100
41 100.7 69.5 104.3
43 74.0 177.1 265.7
56 57.3 42.3 63.5

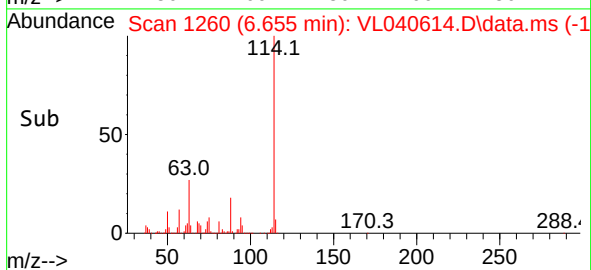
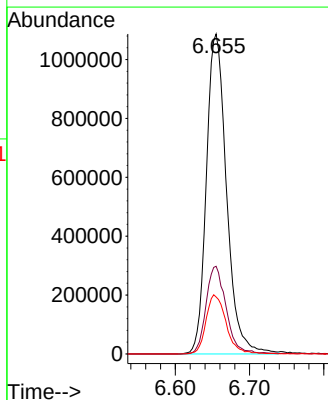
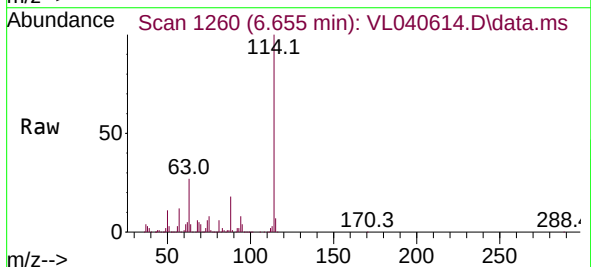
Manual Integrations
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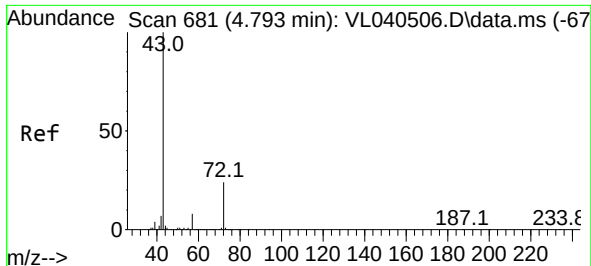
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. -0.010 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

Tgt Ion:114 Resp: 2049925
Ion Ratio Lower Upper
114 100
63 27.7 19.6 29.4
88 18.6 14.2 21.2





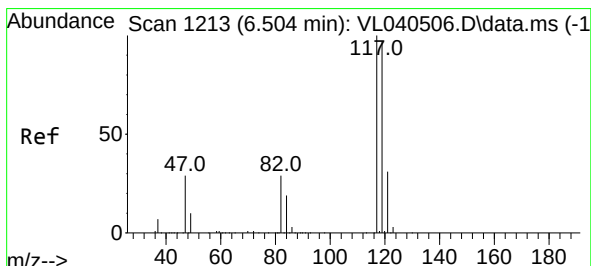
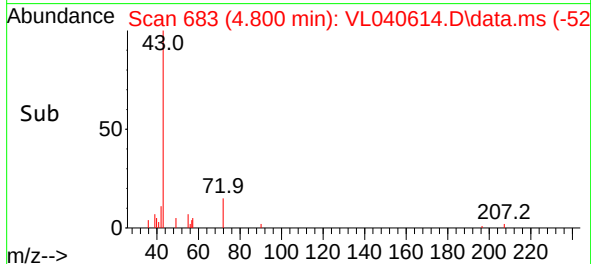
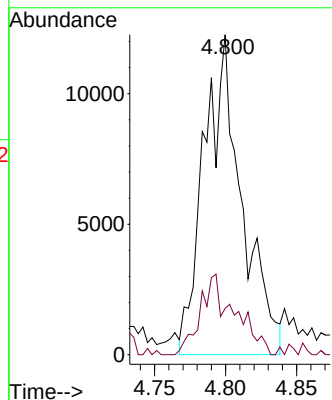
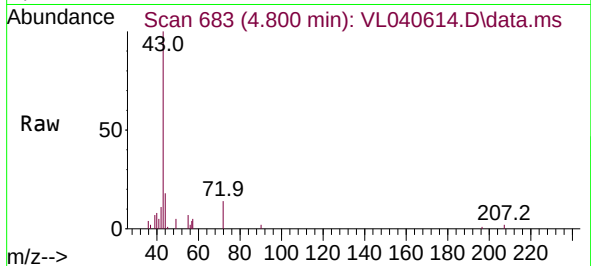
#34
2-Butanone
Concen: 0.224 ppbv m
RT: 4.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 2273
Ion Ratio Lower Upper
43 100
72 24.8 19.1 28.7

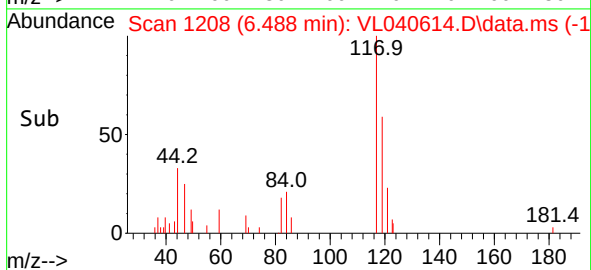
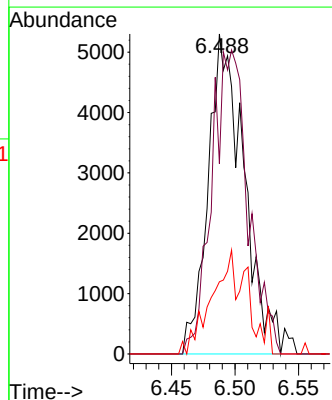
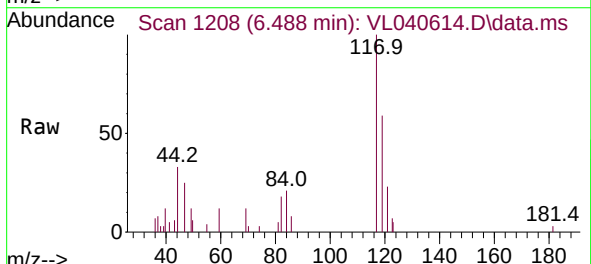
Manual Integrations
APPROVED

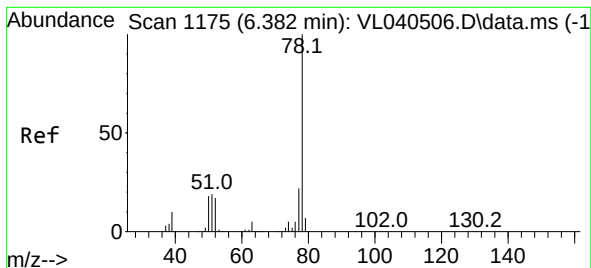
Reviewed By :Semsettin Yesilyurt 08/10/2023
Supervised By :Mahesh Dadoda 08/10/2023



#35
Carbon Tetrachloride
Concen: 0.084 ppbv m
RT: 6.488 min Scan# 1208
Delta R.T. -0.016 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

Tgt Ion:117 Resp: 10354
Ion Ratio Lower Upper
117 100
119 59.4 77.8 116.6#
121 22.6 24.8 37.2#





#36

Benzene

Concen: 0.131 ppbv m

RT: 6.369 min Scan# 1175

Delta R.T. -0.013 min

Lab File: VL040614.D

Acq: 9 Aug 2023 20:40

Instrument :

MSVOA_L

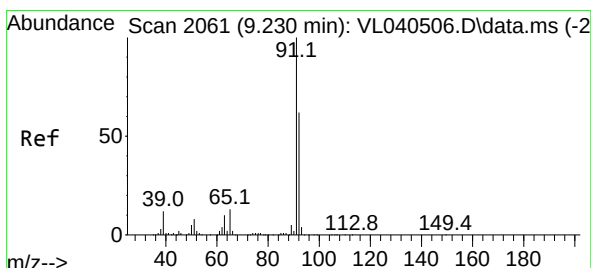
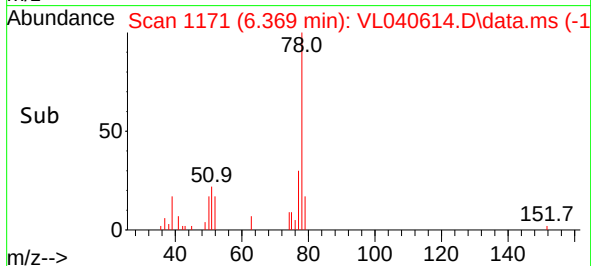
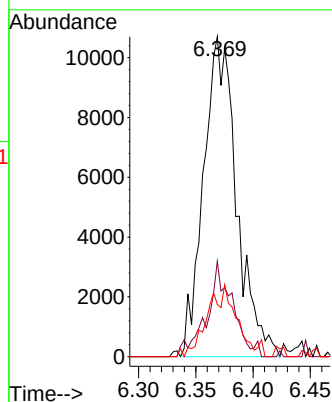
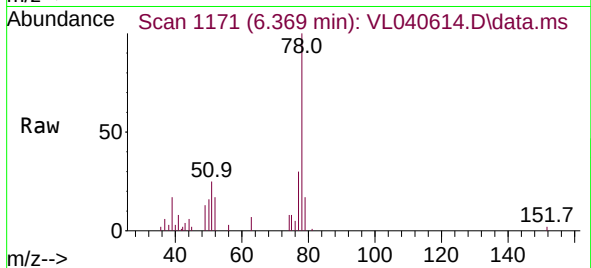
ClientSampleId :

OA1

Tgt Ion: 78 Resp: 2156
 Ion Ratio Lower Upper
 78 100
 77 29.8 17.4 26.0
 50 16.3 14.4 21.6

Manual Integrations
 APPROVED

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



#53

Toluene

Concen: 0.138 ppbv m

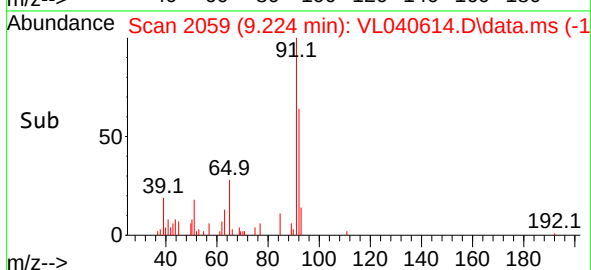
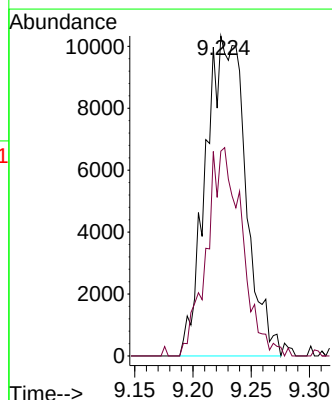
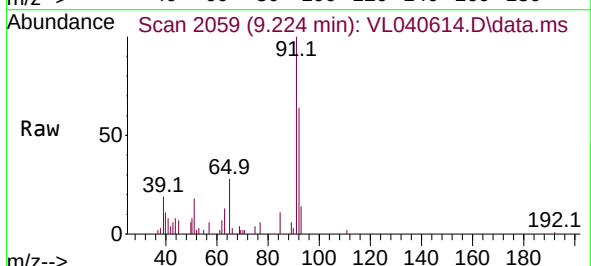
RT: 9.224 min Scan# 2059

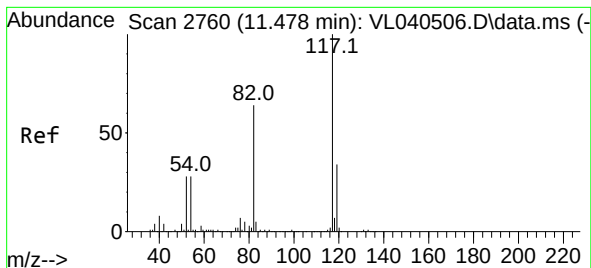
Delta R.T. -0.006 min

Lab File: VL040614.D

Acq: 9 Aug 2023 20:40

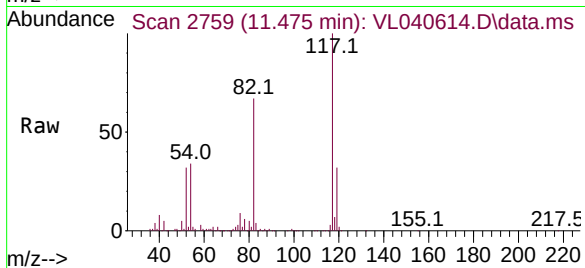
Tgt Ion: 91 Resp: 24715
 Ion Ratio Lower Upper
 91 100
 92 0.0 49.1 73.7#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

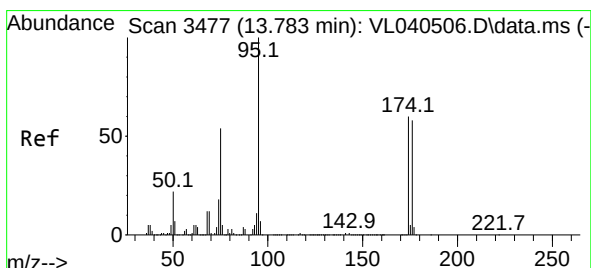
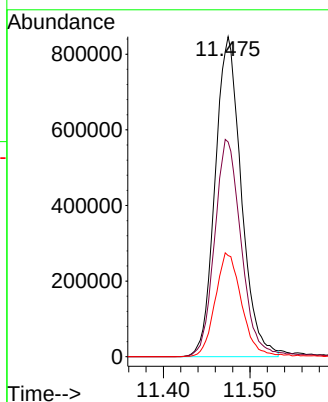
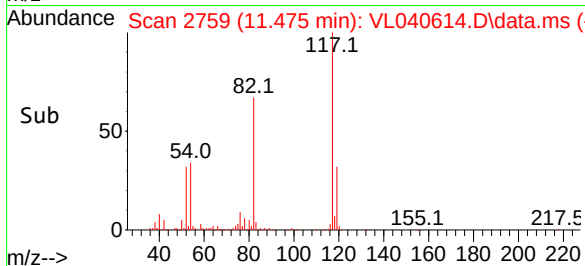
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 1777340
Ion Ratio Lower Upper
117 100
82 70.1 50.2 75.4
119 33.0 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: 10.834 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.000 min
Lab File: VL040614.D
Acq: 9 Aug 2023 20:40

Tgt Ion: 95 Resp: 1523914
Ion Ratio Lower Upper
95 100
174 59.4 50.6 75.8
175 4.0 3.7 5.5

