

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
 Data File : VL040535.D
 Acq On : 14 Jul 2023 20:28
 Operator : SY/MD
 Sample : 03636-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023

Quant Time: Jul 16 23:33:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 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	991140	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.651	114	2721502	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.468	117	2405551	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1912723	10.047	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						Qvalue
9) Propene	2.703	41	17887	0.333	ppbv	86
13) Ethanol	3.259	45	4825m	0.412	ppbv	
15) Acetone	3.475	43	212887	1.866	ppbv	98
20) Methylene Chloride	3.931	84	115386	2.378	ppbv	94
26) Hexane	5.208	57	104546	1.036	ppbv #	41
34) 2-Butanone	4.803	43	50719	0.377	ppbv	96
38) Trichloroethene	7.288	130	2978m	0.036	ppbv	
52) Tetrachloroethene	10.619	164	1224031	17.261	ppbv	97
59) m/p-Xylene	12.346	91	33914m	0.126	ppbv	
60) o-Xylene	13.060	91	50335m	0.196	ppbv	
72) 4-Ethyltoluene	15.201	105	32590m	0.108	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	26512m	0.100	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	65524	0.212	ppbv #	60

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

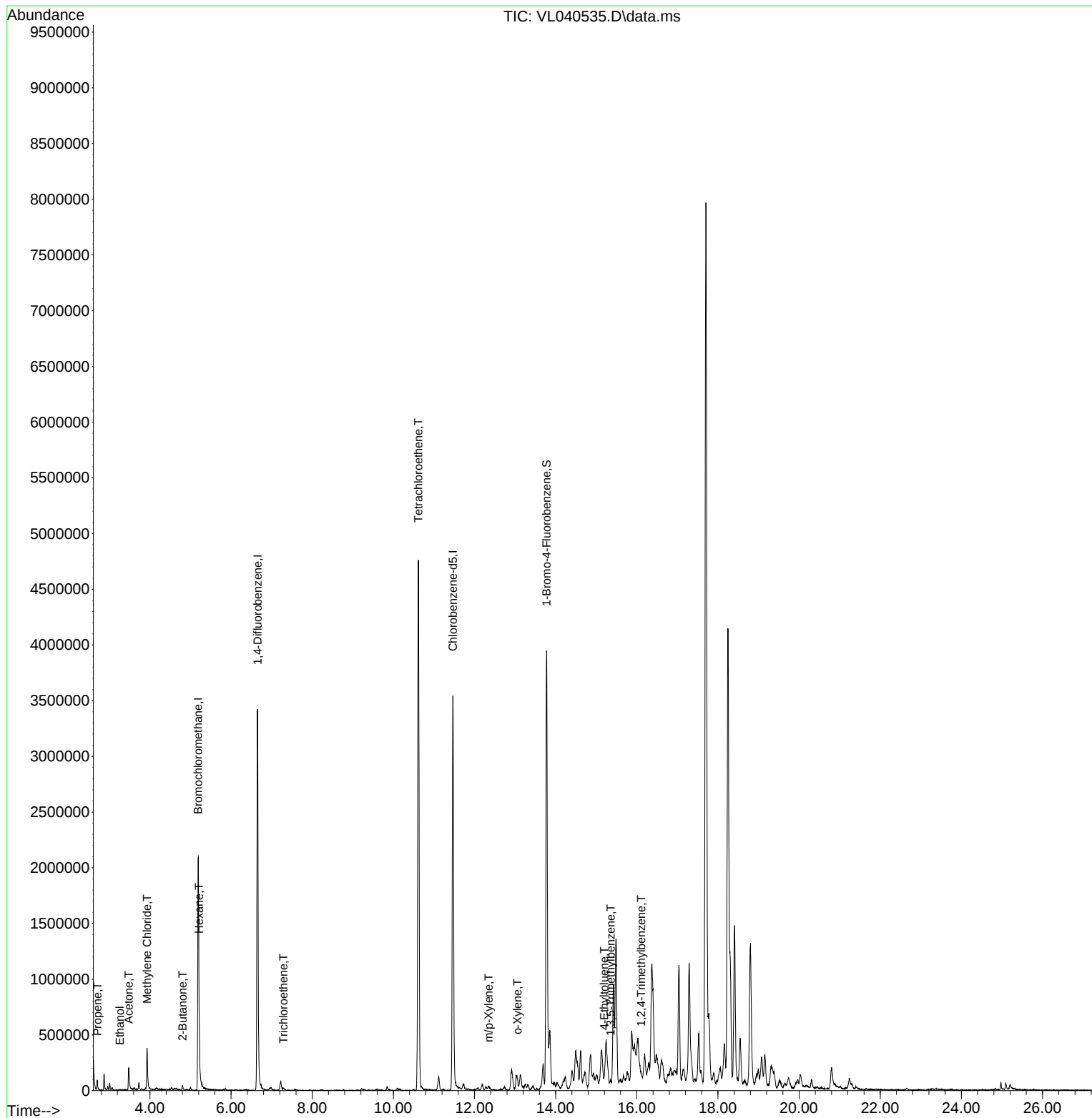
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
Data File : VL040535.D
Acq On : 14 Jul 2023 20:28
Operator : SY/MD
Sample : 03636-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

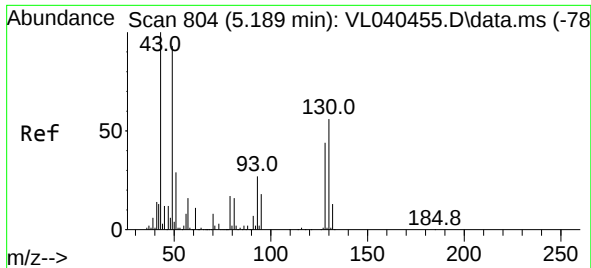
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

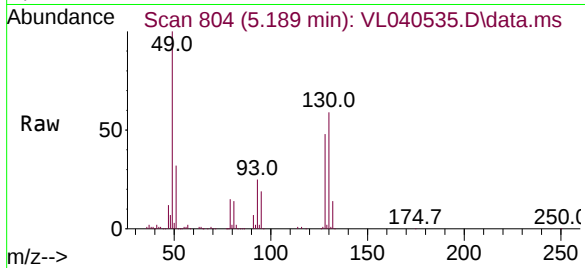
Quant Time: Jul 16 23:33:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.013 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

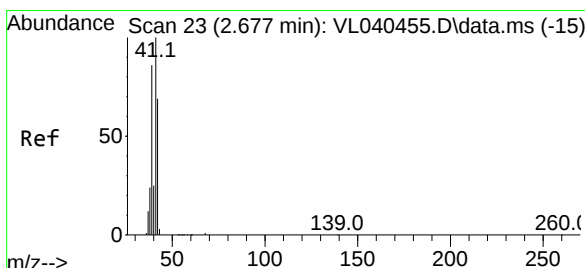
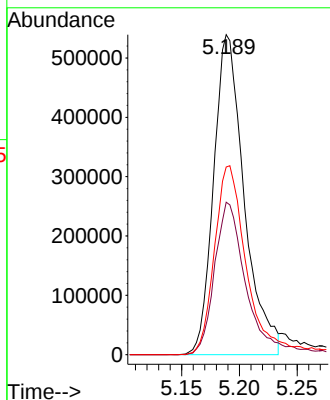
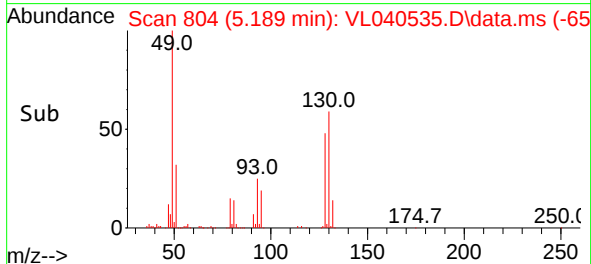
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



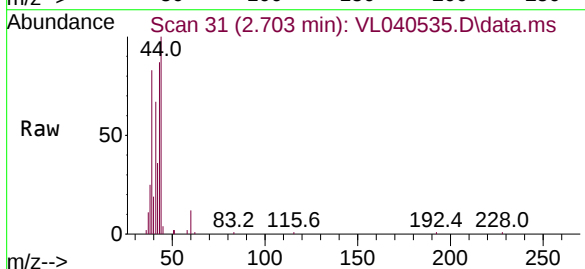
Tgt Ion: 49 Resp: 991140
Ion Ratio Lower Upper
49 100
128 51.1 25.1 75.4
130 64.8 31.6 94.7

Manual Integrations
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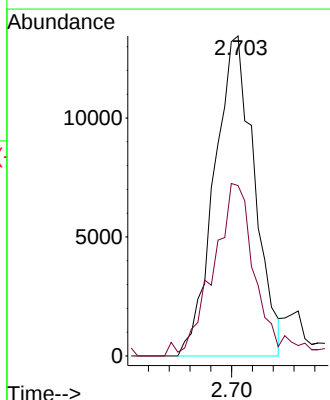
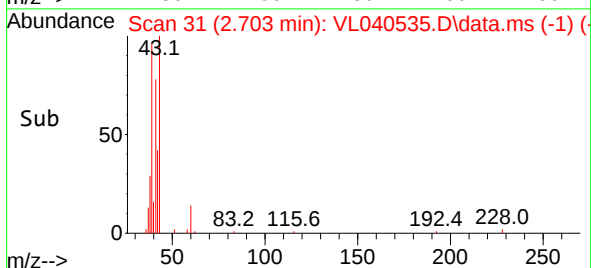
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

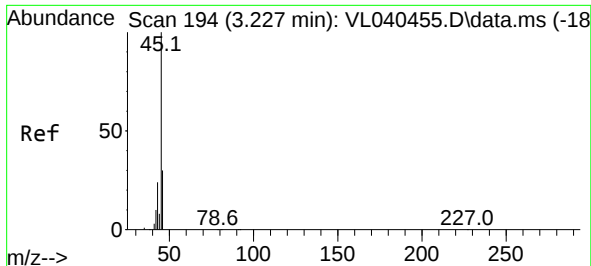


#9
Propene
Concen: 0.333 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28



Tgt Ion: 41 Resp: 17887
Ion Ratio Lower Upper
41 100
42 57.8 55.0 82.6





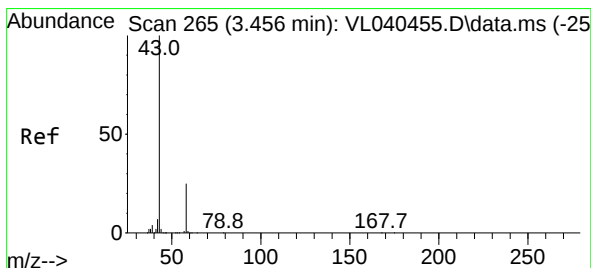
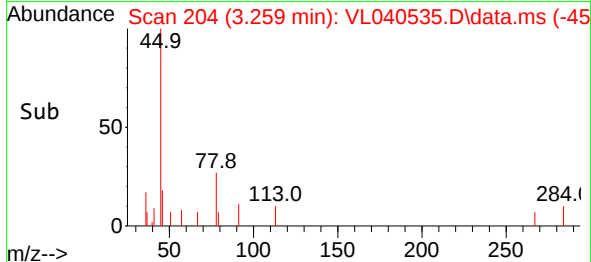
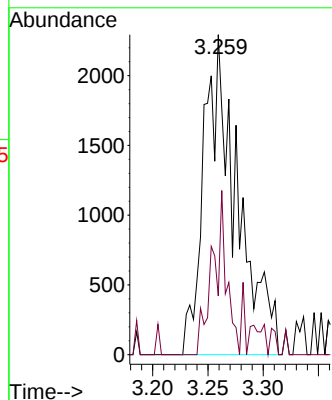
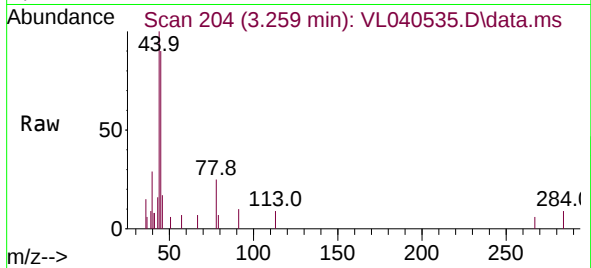
#13
Ethanol
Concen: 0.412 ppbv m
RT: 3.259 min Scan# 204
Delta R.T. 0.013 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 482
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

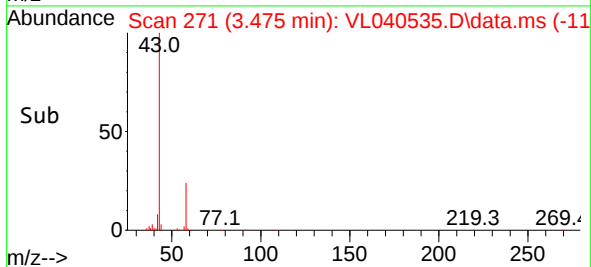
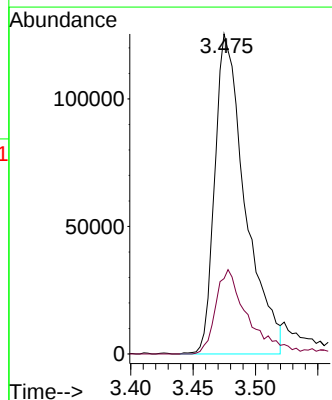
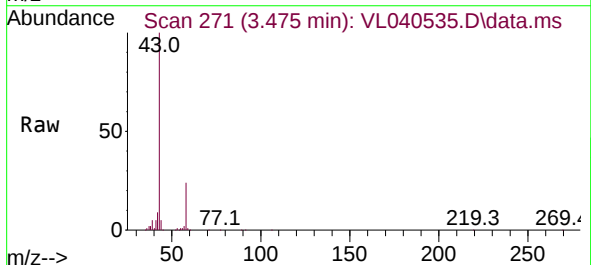
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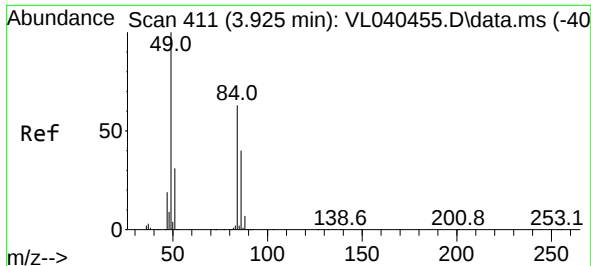
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#15
Acetone
Concen: 1.866 ppbv
RT: 3.475 min Scan# 271
Delta R.T. -0.000 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

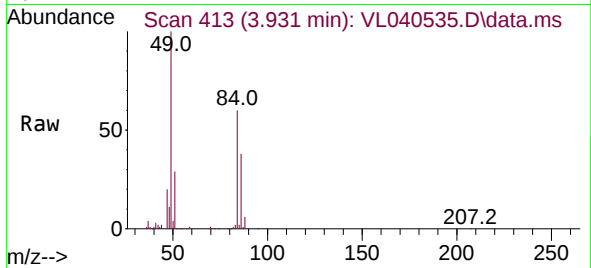
Tgt Ion: 43 Resp: 212887
Ion Ratio Lower Upper
43 100
58 29.6 22.9 34.3





#20
Methylene Chloride
Concen: 2.378 ppbv
RT: 3.931 min Scan# 411
Delta R.T. -0.010 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

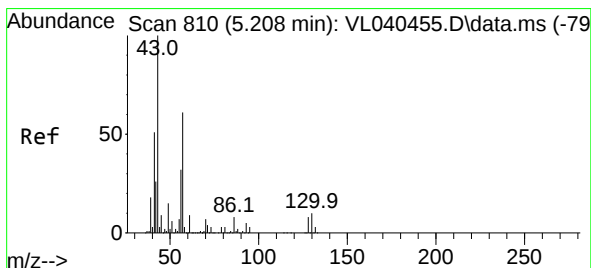
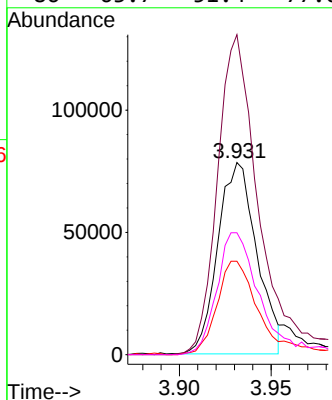
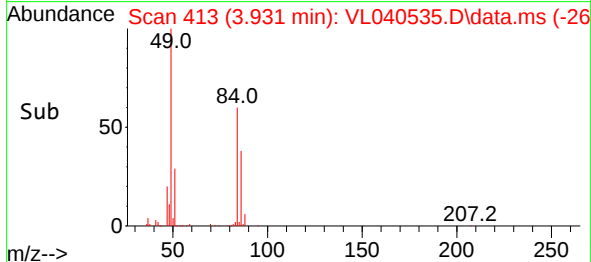


Tgt Ion: 84 Resp: 115386

Ion	Ratio	Lower	Upper
84	100		
49	166.6	123.4	185.2
51	48.9	38.3	57.5
86	63.7	51.4	77.0

Manual Integrations
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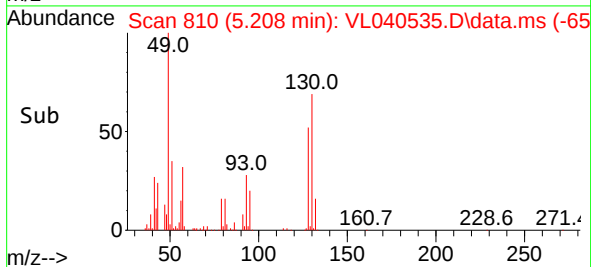
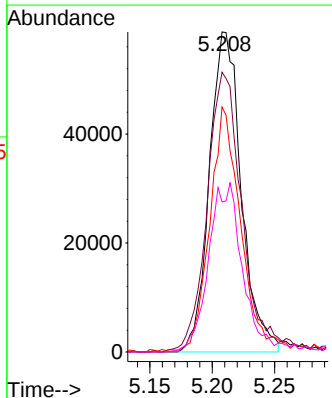
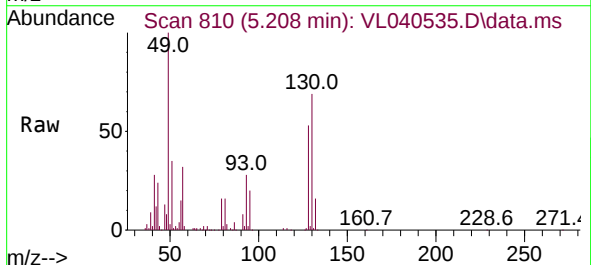
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

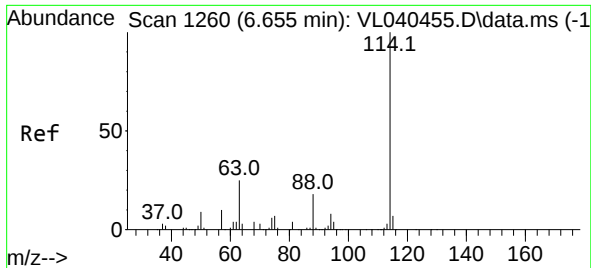


#26
Hexane
Concen: 1.036 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.013 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Tgt Ion: 57 Resp: 104546

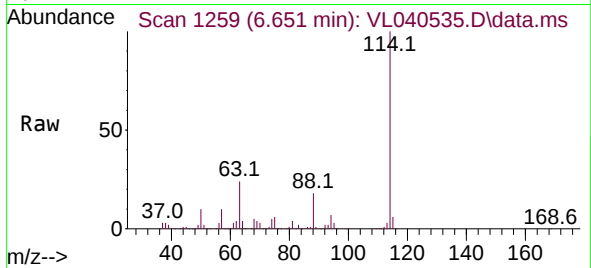
Ion	Ratio	Lower	Upper
57	100		
41	98.7	69.5	104.3
43	76.4	177.1	265.7#
56	58.0	42.3	63.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

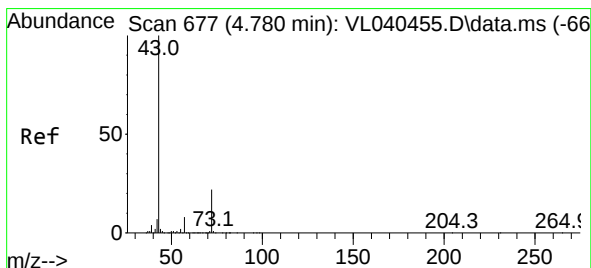
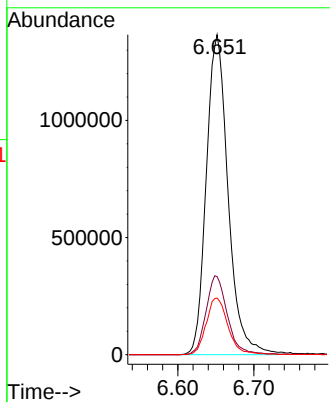
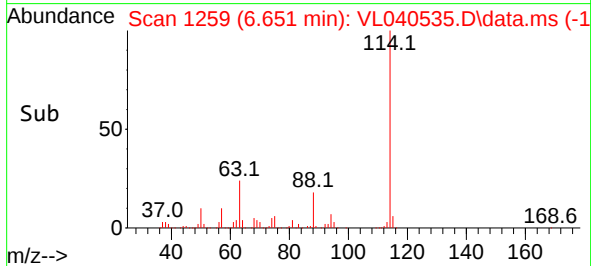
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



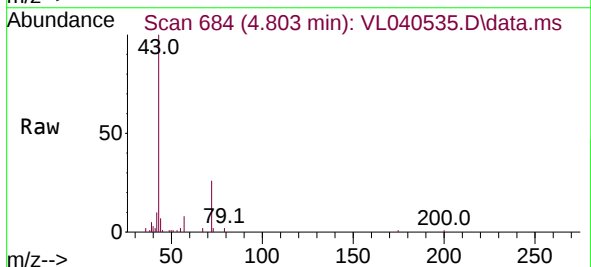
Tgt Ion:114 Resp: 2721502
Ion Ratio Lower Upper
114 100
63 24.4 19.6 29.4
88 17.9 14.2 21.2

Manual Integrations
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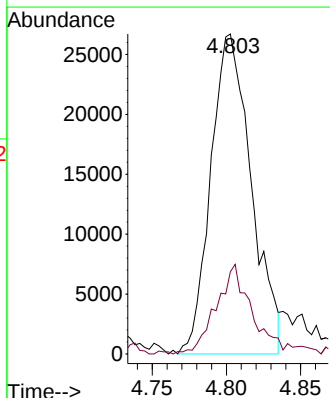
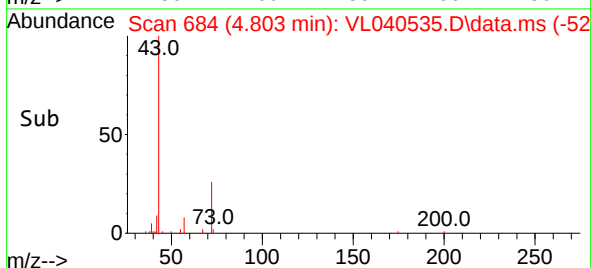
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

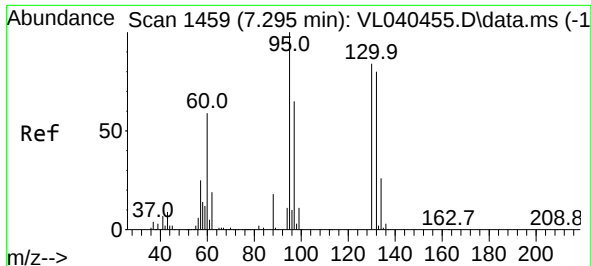


#34
2-Butanone
Concen: 0.377 ppbv
RT: 4.803 min Scan# 684
Delta R.T. 0.010 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28



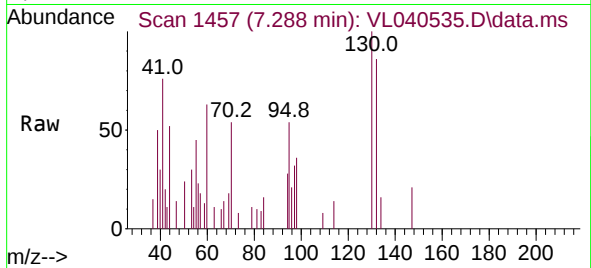
Tgt Ion: 43 Resp: 50719
Ion Ratio Lower Upper
43 100
72 25.7 19.1 28.7





#38
 Trichloroethene
 Concen: 0.036 ppbv m
 RT: 7.288 min Scan# 1459
 Delta R.T. -0.016 min
 Lab File: VL040535.D
 Acq: 14 Jul 2023 20:28

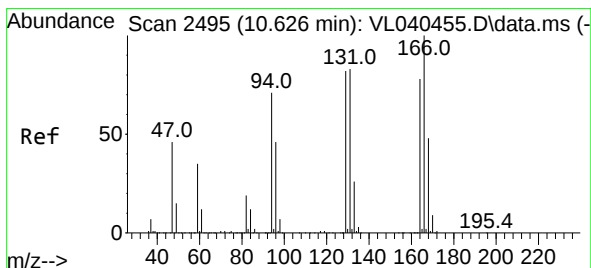
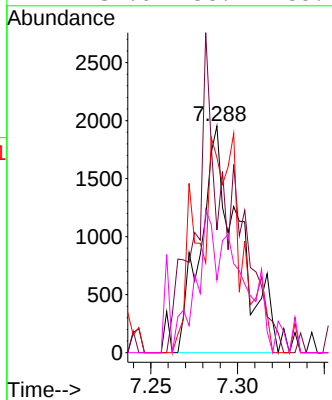
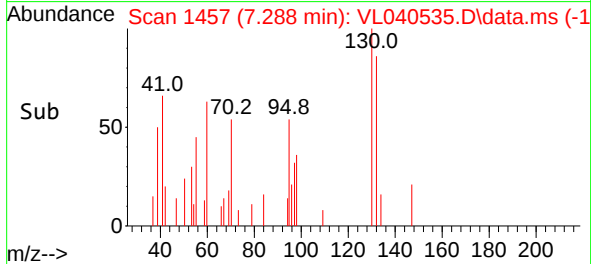
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:130 Resp: 2978
 Ion Ratio Lower Upper
 130 100
 95 54.1 90.2 135.2
 132 86.0 76.3 114.5
 97 32.0 58.7 88.1#

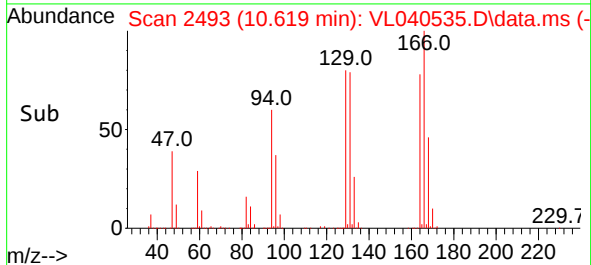
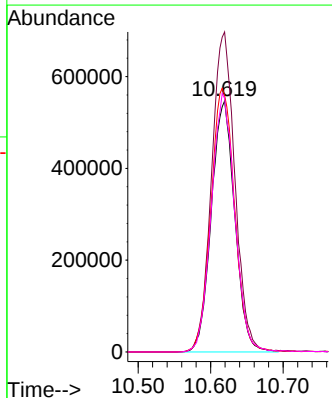
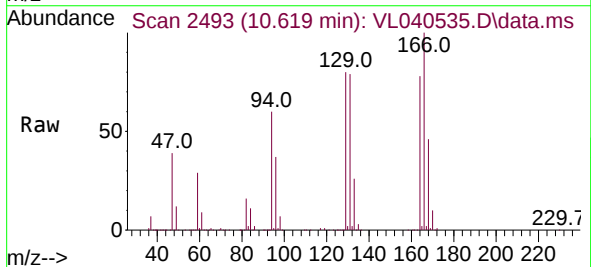
Manual Integrations
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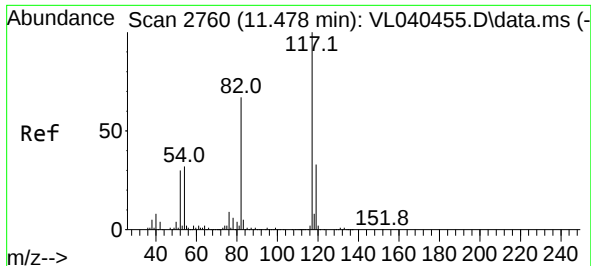
Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#52
 Tetrachloroethene
 Concen: 17.261 ppbv
 RT: 10.619 min Scan# 2493
 Delta R.T. -0.007 min
 Lab File: VL040535.D
 Acq: 14 Jul 2023 20:28

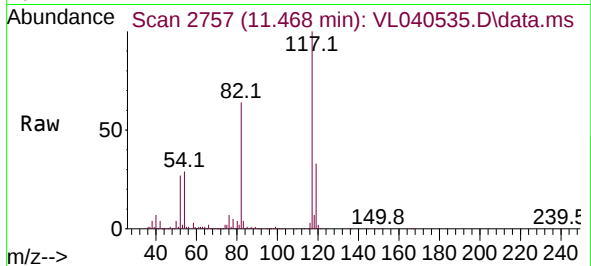
Tgt Ion:164 Resp: 1224031
 Ion Ratio Lower Upper
 164 100
 166 127.5 103.9 155.9
 129 102.2 84.6 126.8
 131 101.0 82.9 124.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

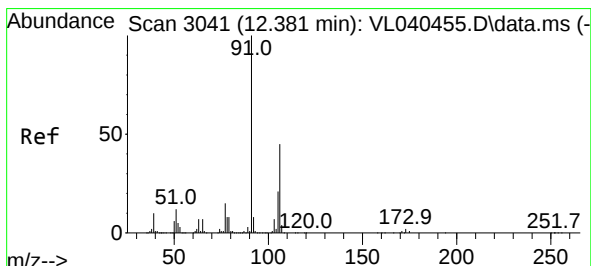
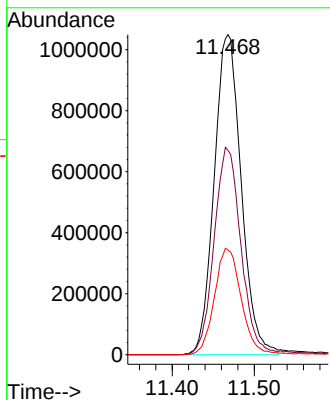
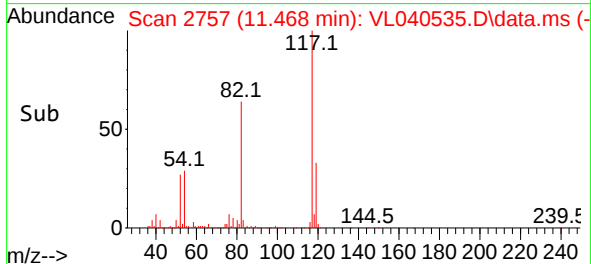
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:117 Resp: 240555
Ion Ratio Lower Upper
117 100
82 65.3 50.2 75.4
119 33.3 26.9 40.3

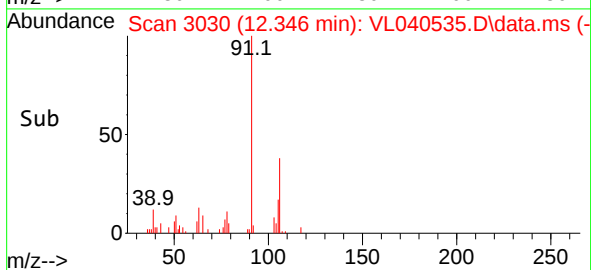
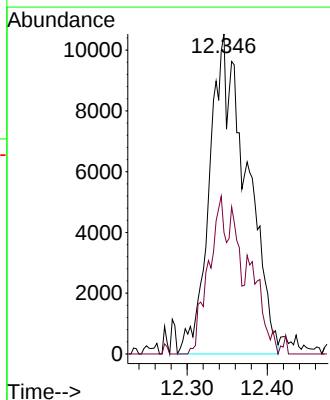
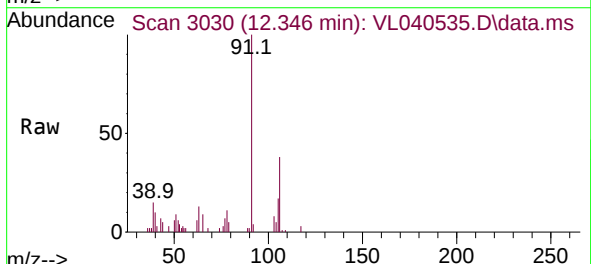
Manual Integrations
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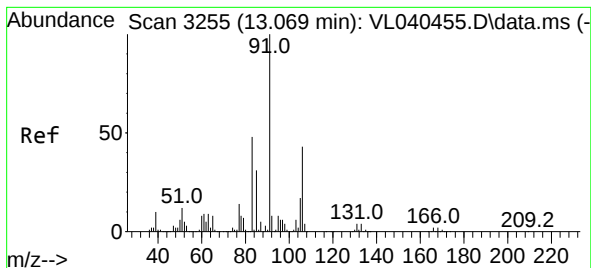
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#59
m/p-Xylene
Concen: 0.126 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. -0.039 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Tgt Ion: 91 Resp: 33914
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#





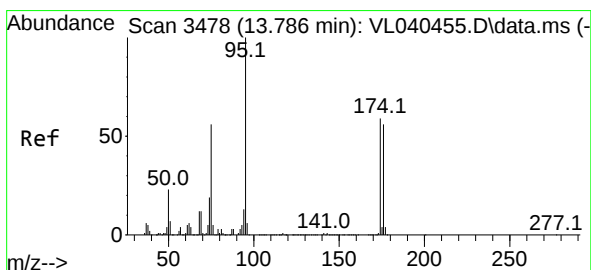
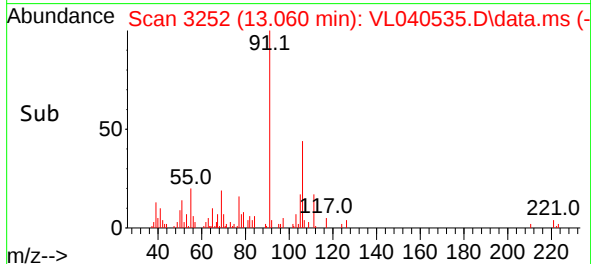
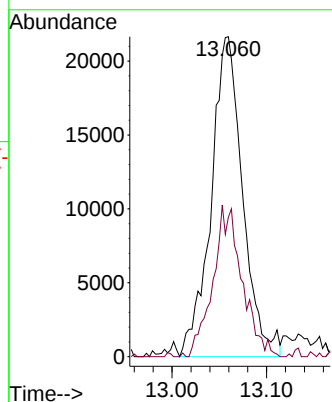
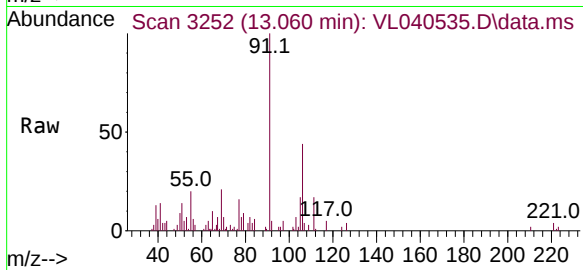
#60
o-Xylene
Concen: 0.196 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 5033
Ion Ratio Lower Upper
91 100
106 43.8 22.7 68.0

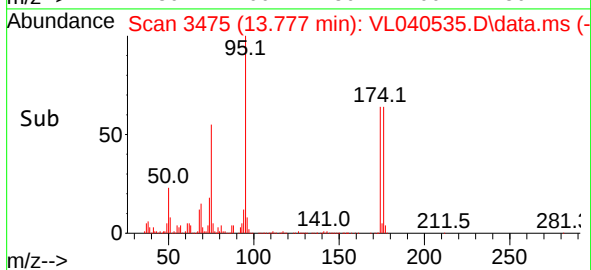
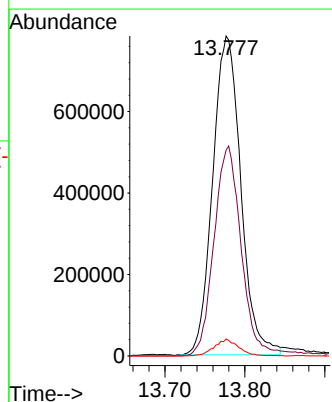
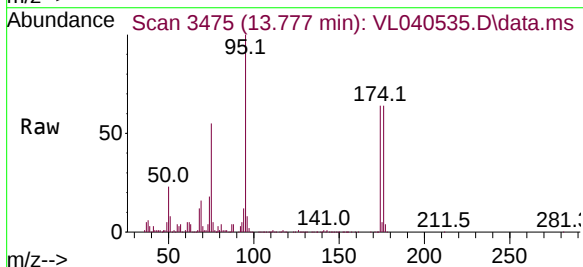
Manual Integrations
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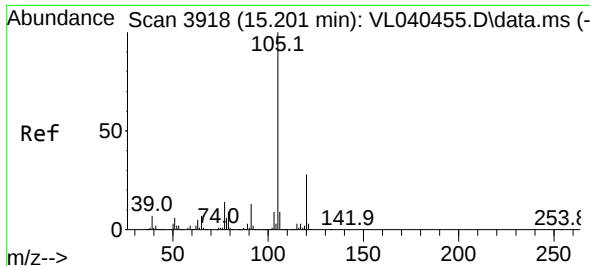
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 10.047 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.007 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Tgt Ion: 95 Resp: 1912723
Ion Ratio Lower Upper
95 100
174 65.8 50.6 75.8
175 4.6 3.7 5.5





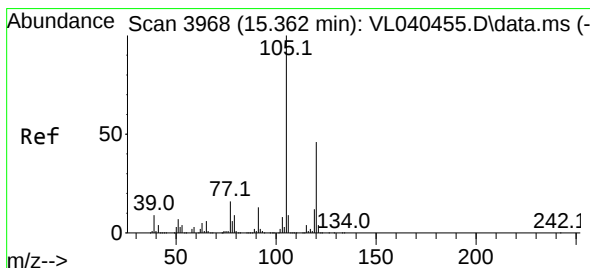
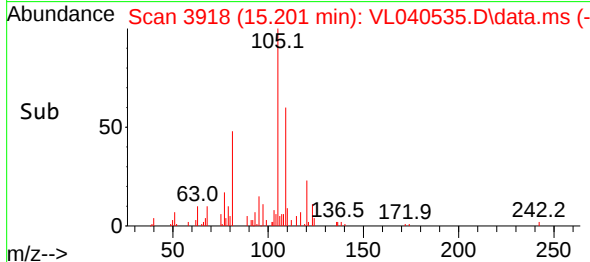
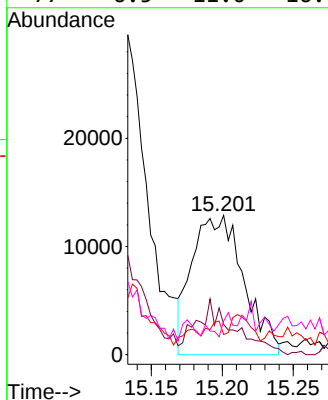
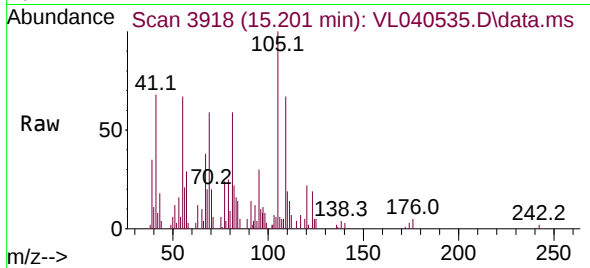
#72
4-Ethyltoluene
Concen: 0.108 ppbv m
RT: 15.201 min Scan# 3918
Delta R.T. -0.003 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:105 Resp: 32590
Ion Ratio Lower Upper
105 100
120 29.6 24.6 37.0
91 0.0 10.7 16.1
77 6.5 11.0 16.6

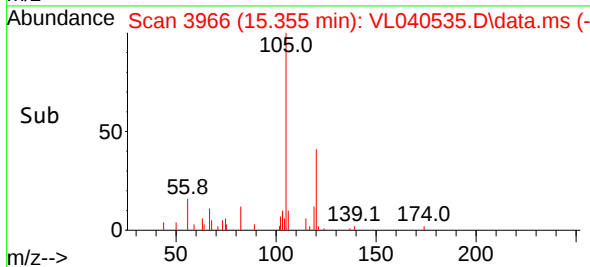
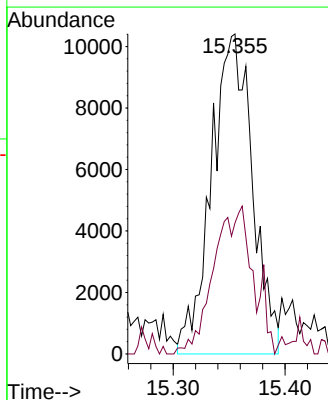
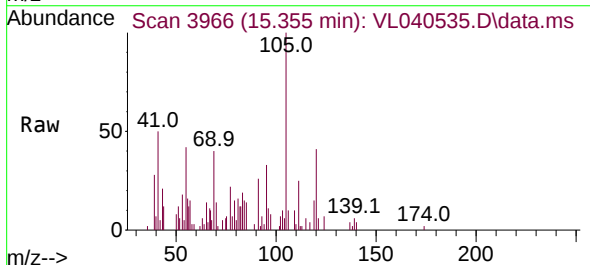
Manual Integrations
APPROVED

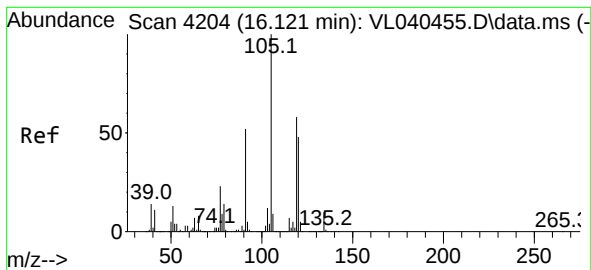
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.100 ppbv m
RT: 15.355 min Scan# 3966
Delta R.T. -0.007 min
Lab File: VL040535.D
Acq: 14 Jul 2023 20:28

Tgt Ion:105 Resp: 26512
Ion Ratio Lower Upper
105 100
120 40.9 38.2 57.2





#74

1,2,4-Trimethylbenzene

Concen: 0.212 ppbv

RT: 16.104 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040535.D

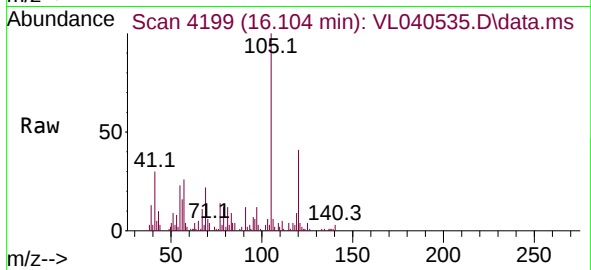
Acq: 14 Jul 2023 20:28

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion:	105	Resp:	65524
Ion	Ratio	Lower	Upper
105	100		
120	41.3	40.3	60.5
91	8.5	46.8	70.2
77	8.9	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

