

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
 Data File : VL039475.D
 Acq On : 13 Jul 2022 22:04
 Operator : SY/AP
 Sample : N3660-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 01:25:40 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1155466	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	3220296	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	2922864	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.417	95	2195876	10.127	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	17518	0.105	ppbv	93
9) Propene	3.028	41	13160m	0.199	ppbv	
13) Ethanol	3.616	45	23350m	6.079	ppbv	
15) Acetone	3.858	43	175113	1.281	ppbv #	89
20) Methylene Chloride	4.353	84	340924	6.257	ppbv	96
26) Hexane	5.690	57	530641	4.696	ppbv #	39
29) Chloroform	5.758	83	46423	0.236	ppbv	92
35) Carbon Tetrachloride	7.028	117	81710m	0.411	ppbv	
38) Trichloroethene	7.838	130	37364m	0.277	ppbv	
52) Tetrachloroethene	11.224	164	284175	2.832	ppbv	94
59) m/p-Xylene	12.970	91	78673m	0.236	ppbv	
60) o-Xylene	13.693	91	37771	0.120	ppbv	96
73) 1,3,5-Trimethylbenzene	15.995	105	33795m	0.099	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	88129m	0.234	ppbv	

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

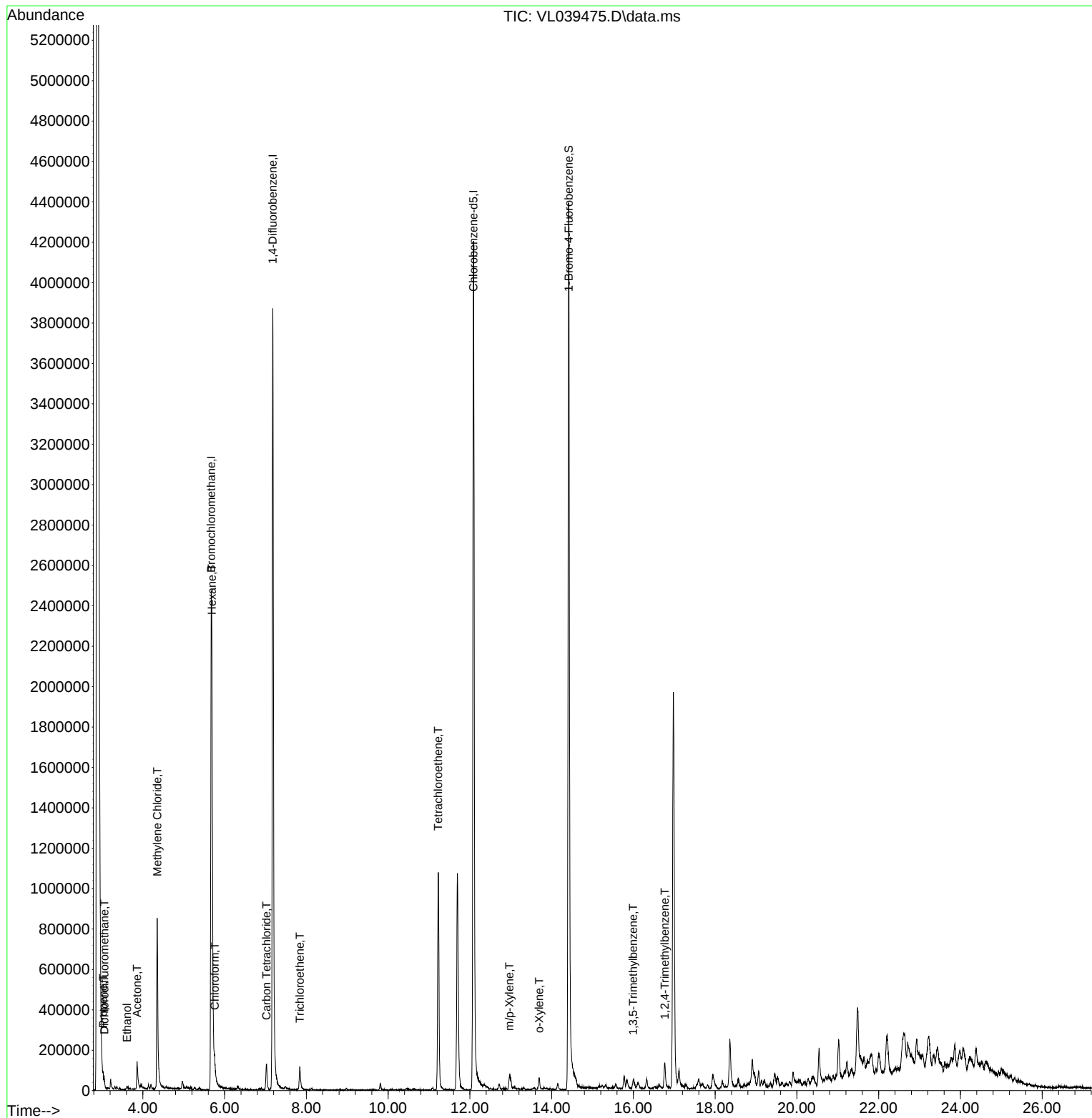
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
Data File : VL039475.D
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Misc : 400mL/MSVOA_L
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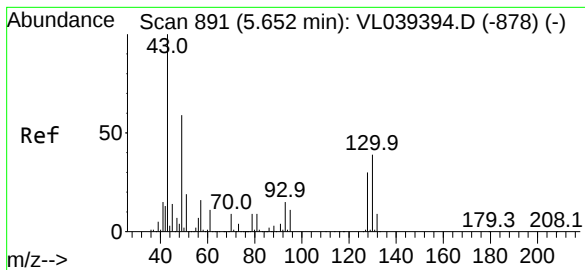
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Quant Time: Jul 14 01:25:40 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
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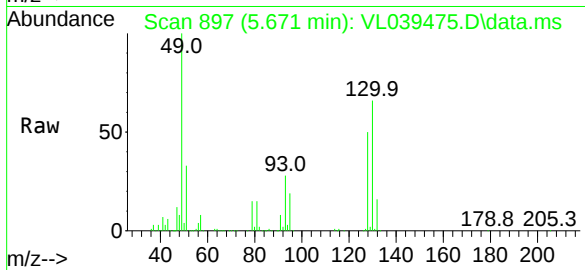
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 84
Delta R.T. 0.019 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

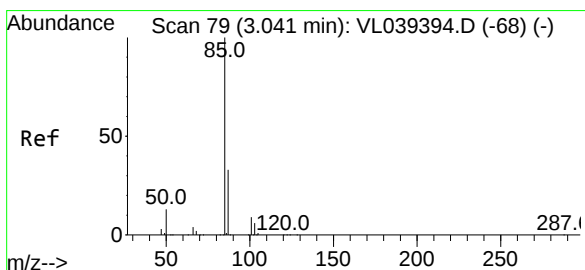
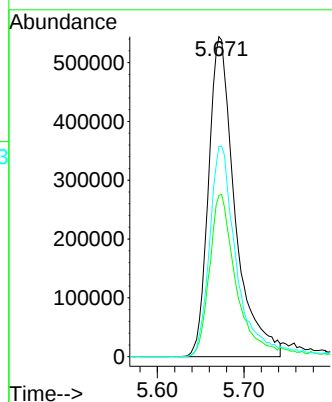
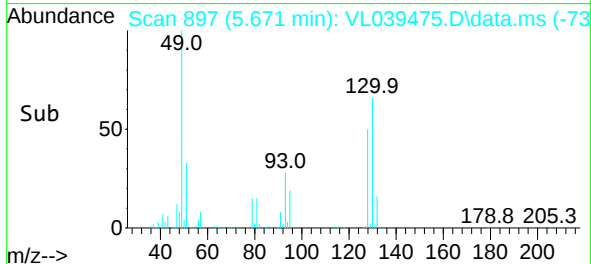
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



Tgt Ion: 49 Resp: 115546
Ion Ratio Lower Upper
49 100
128 53.5 26.7 80.0
130 69.0 34.3 102.8

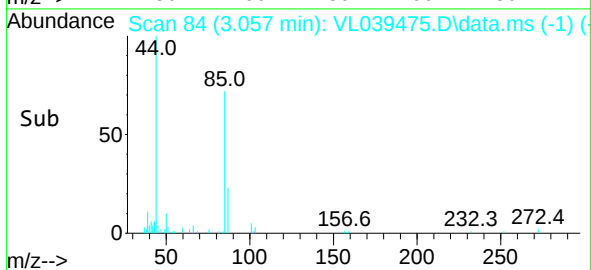
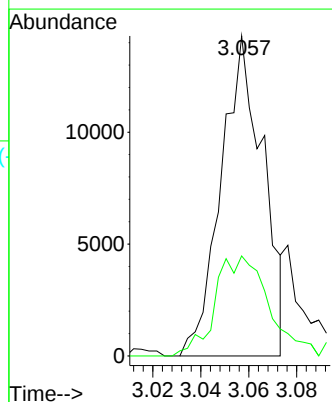
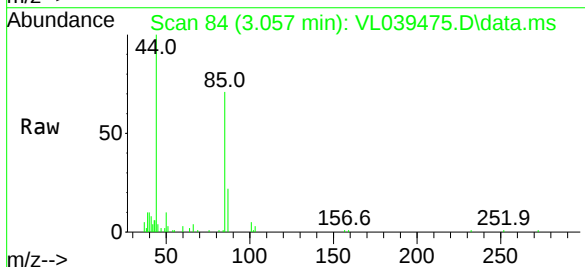
Manual Integrations
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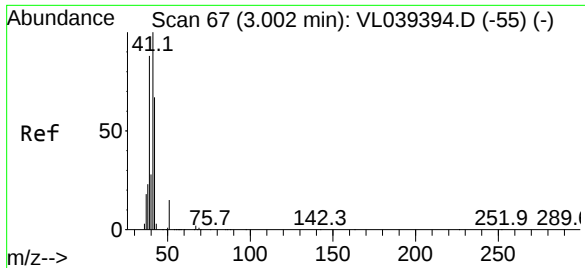
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#2
Dichlorodifluoromethane
Concen: 0.105 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

Tgt Ion: 85 Resp: 17518
Ion Ratio Lower Upper
85 100
87 29.6 26.7 40.1





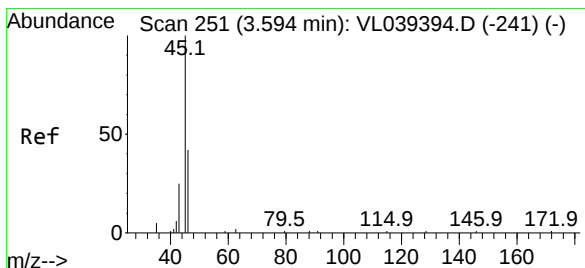
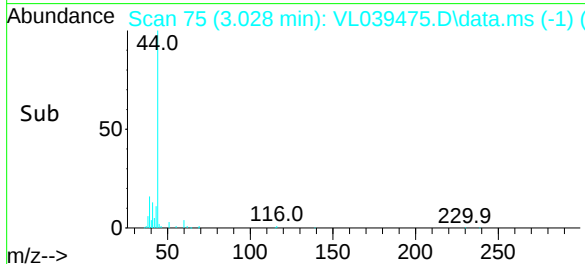
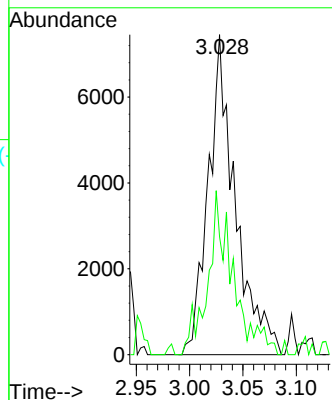
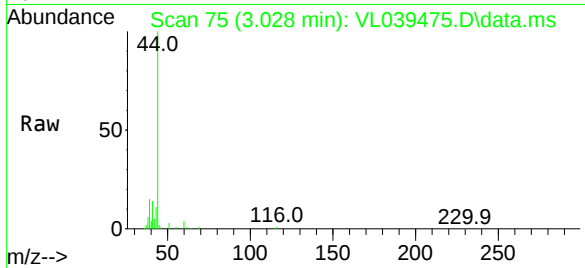
#9
Propene
Concen: 0.199 ppbv m
RT: 3.028 min Scan# 71
Delta R.T. 0.026 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 41 Resp: 13160
Ion Ratio Lower Upper
41 100
42 49.1 55.2 82.8

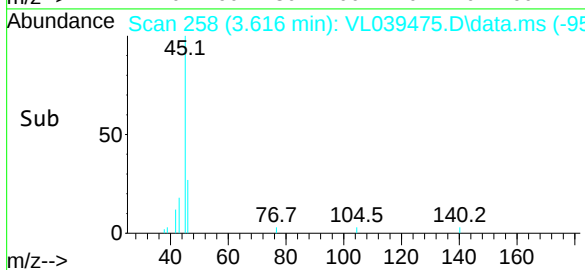
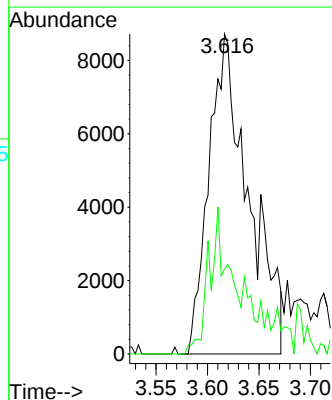
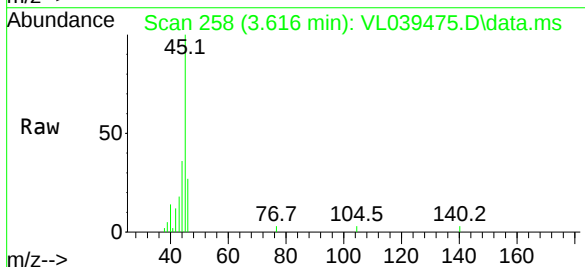
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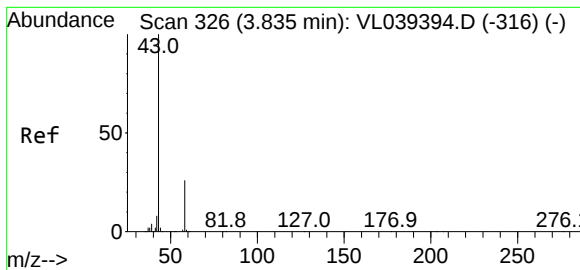
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#13
Ethanol
Concen: 6.079 ppbv m
RT: 3.616 min Scan# 258
Delta R.T. 0.023 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

Tgt Ion: 45 Resp: 23350
Ion Ratio Lower Upper
45 100
46 40.2 22.8 91.2





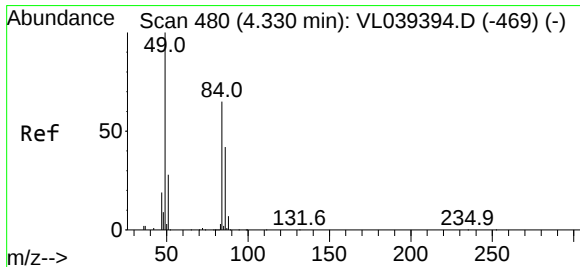
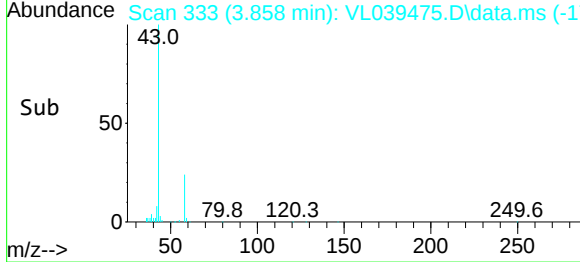
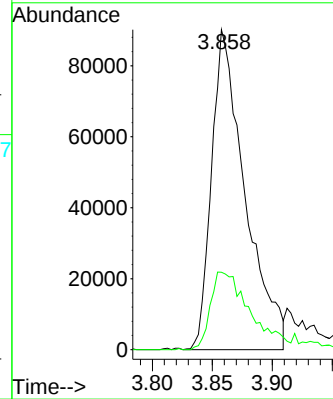
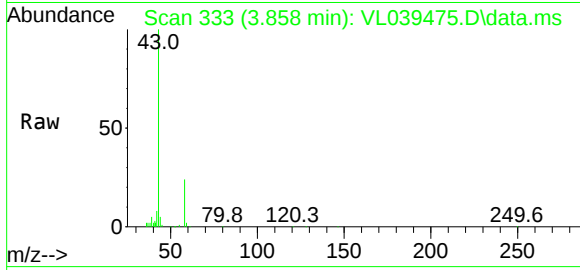
#15
Acetone
Concen: 1.281 ppbv
RT: 3.858 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 43 Resp: 17511
Ion Ratio Lower Upper
43 100
58 31.8 21.0 31.6

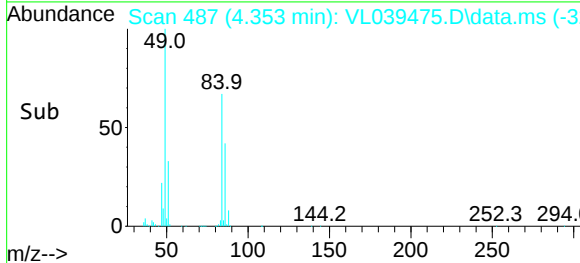
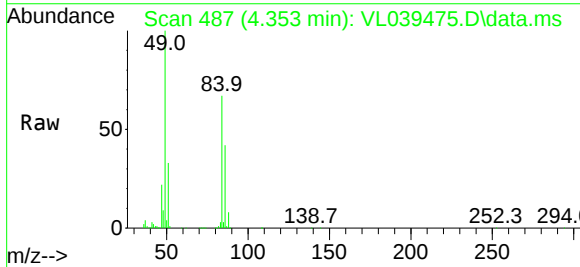
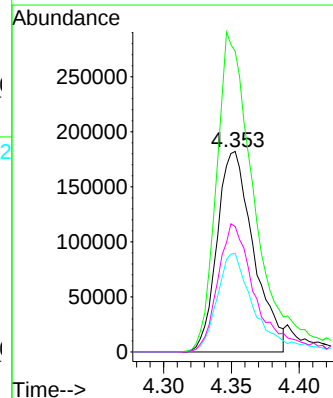
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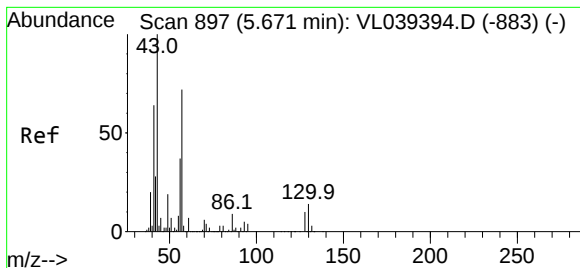
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#20
Methylene Chloride
Concen: 6.257 ppbv
RT: 4.353 min Scan# 487
Delta R.T. 0.023 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

Tgt Ion: 84 Resp: 340924
Ion Ratio Lower Upper
84 100
49 149.6 123.1 184.7
51 49.0 34.4 51.6
86 62.5 51.1 76.7





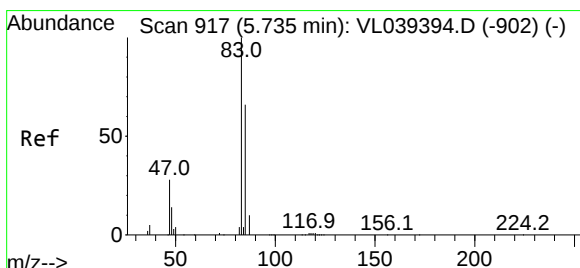
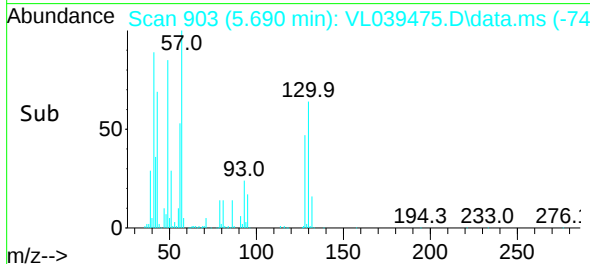
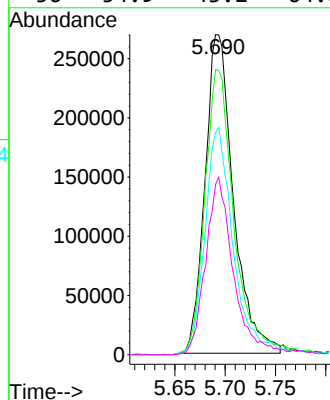
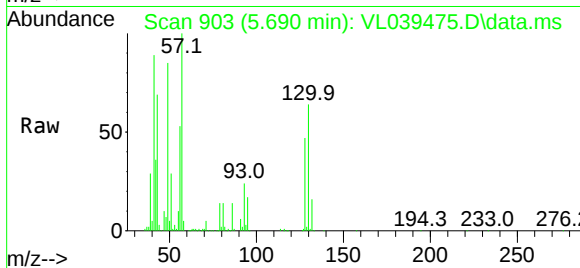
#26
Hexane
Concen: 4.696 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.019 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 57 Resp: 53064
Ion Ratio Lower Upper
57 100
41 93.4 76.9 115.3
43 72.0 191.0 286.6
56 54.9 43.2 64.8

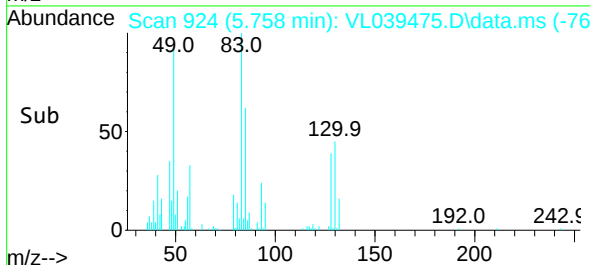
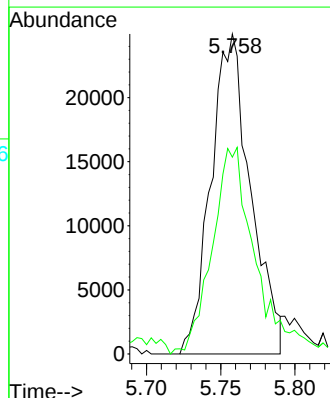
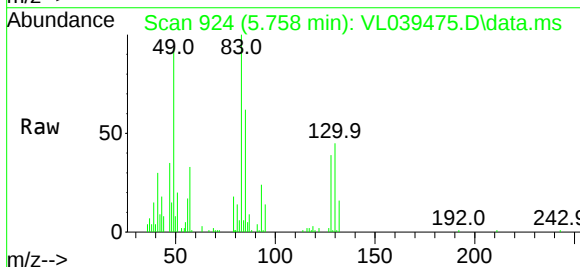
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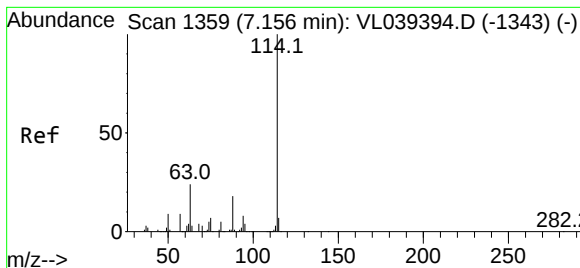
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#29
Chloroform
Concen: 0.236 ppbv
RT: 5.758 min Scan# 924
Delta R.T. 0.023 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

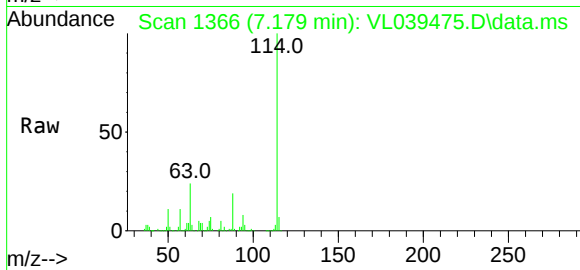
Tgt Ion: 83 Resp: 46423
Ion Ratio Lower Upper
83 100
85 59.9 52.8 79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.023 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

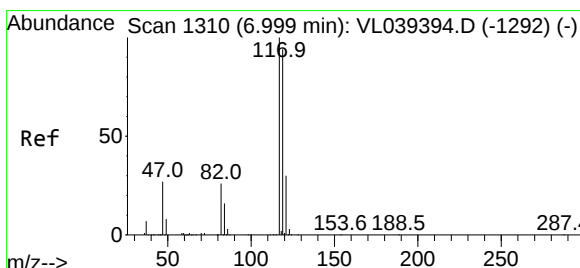
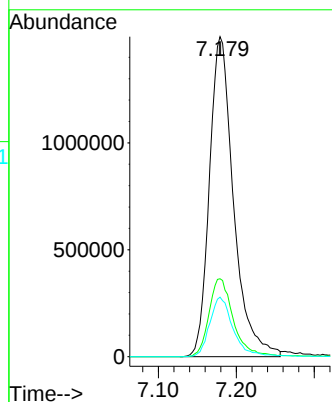
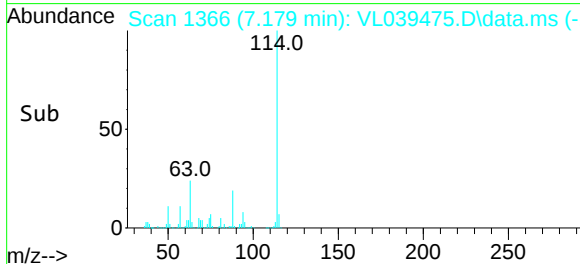
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



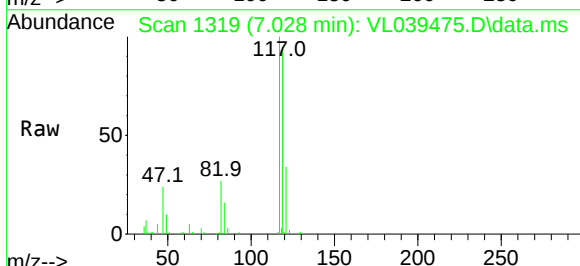
Tgt Ion:114 Resp: 3220290
Ion Ratio Lower Upper
114 100
63 24.9 20.2 30.4
88 18.3 14.5 21.7

Manual Integrations
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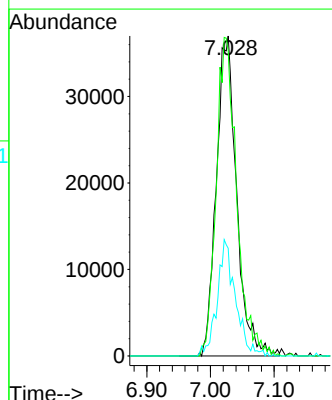
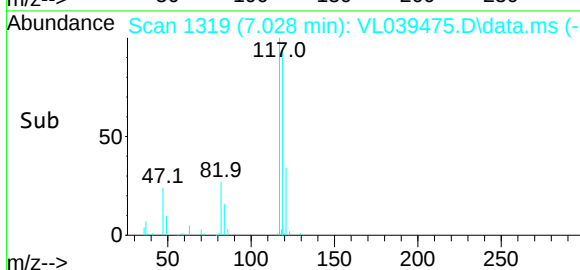
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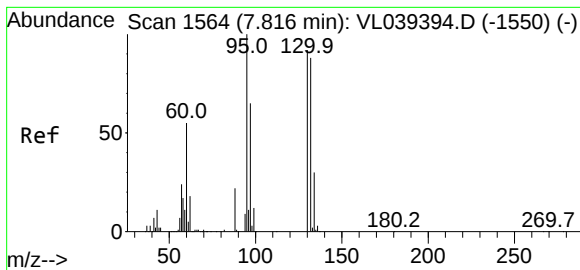


#35
Carbon Tetrachloride
Concen: 0.411 ppbv m
RT: 7.028 min Scan# 1319
Delta R.T. 0.029 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04



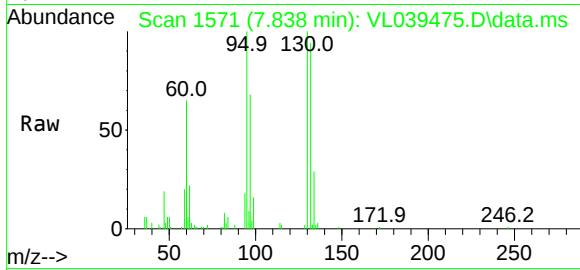
Tgt Ion:117 Resp: 81710
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.2
121 33.7 24.2 36.2





#38
 Trichloroethene
 Concen: 0.277 ppbv m
 RT: 7.838 min Scan# 1
 Delta R.T. 0.023 min
 Lab File: VL039475.D
 Acq: 13 Jul 2022 22:04

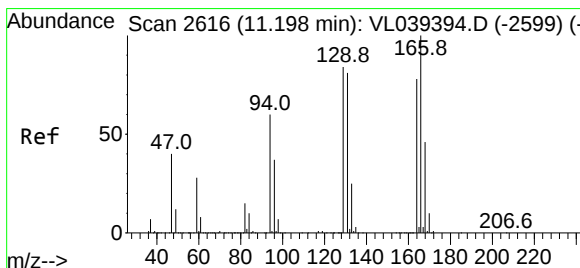
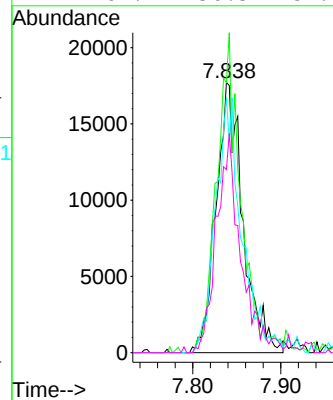
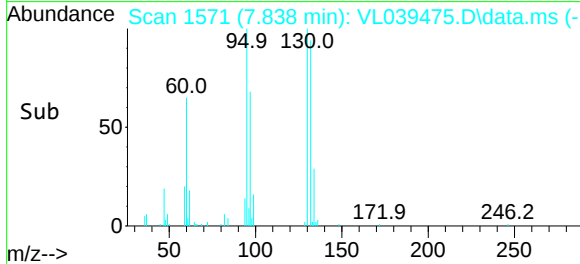
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL



Tgt Ion:130 Resp: 37364
 Ion Ratio Lower Upper
 130 100
 95 100.0 87.3 130.9
 132 94.4 76.7 115.1
 97 67.7 56.5 84.7

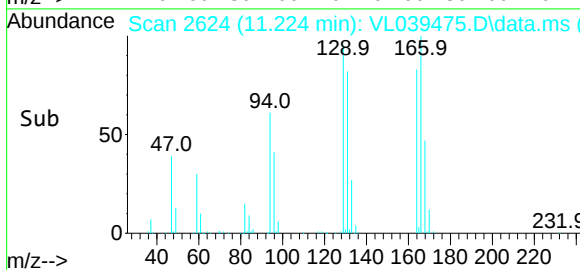
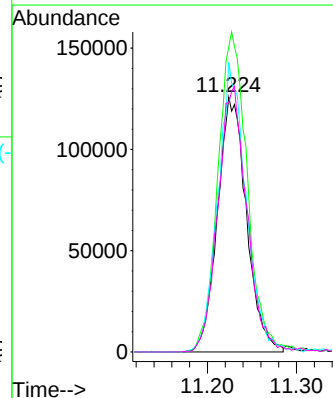
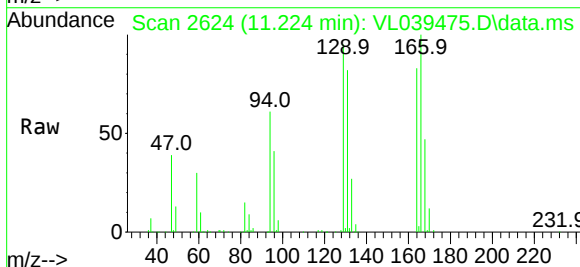
Manual Integrations
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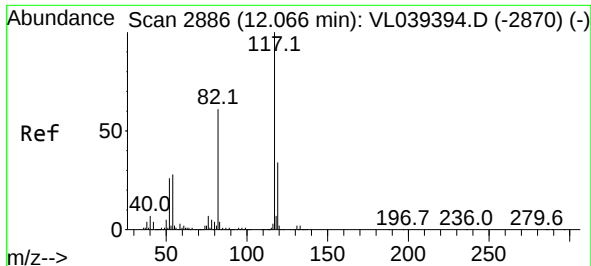
Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022



#52
 Tetrachloroethene
 Concen: 2.832 ppbv
 RT: 11.224 min Scan# 2624
 Delta R.T. 0.026 min
 Lab File: VL039475.D
 Acq: 13 Jul 2022 22:04

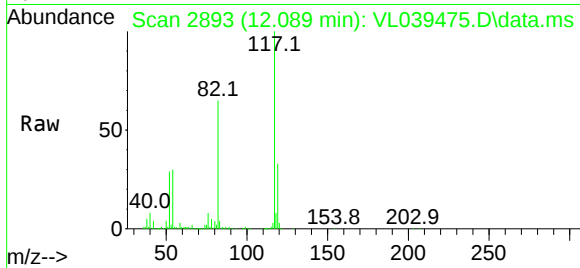
Tgt Ion:164 Resp: 284175
 Ion Ratio Lower Upper
 164 100
 166 119.6 102.2 153.2
 129 113.7 85.8 128.8
 131 97.8 83.3 124.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 2886
Delta R.T. 0.023 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

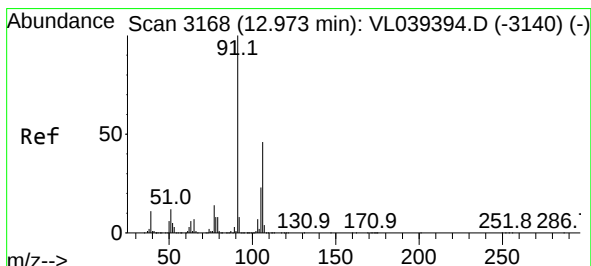
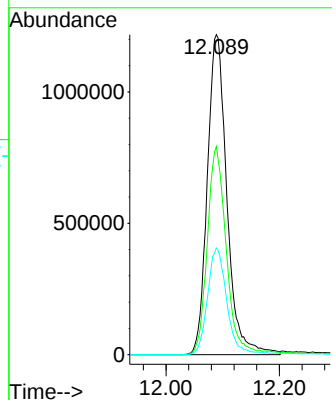
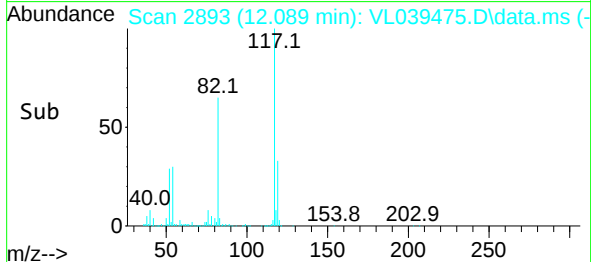
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



Tgt Ion:117 Resp: 2922864
Ion Ratio Lower Upper
117 100
82 63.9 50.8 76.2
119 33.1 24.1 36.1

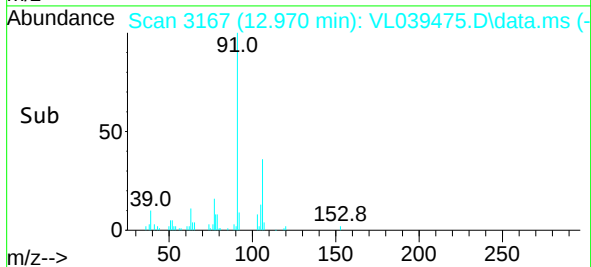
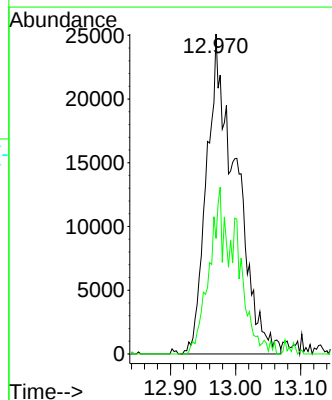
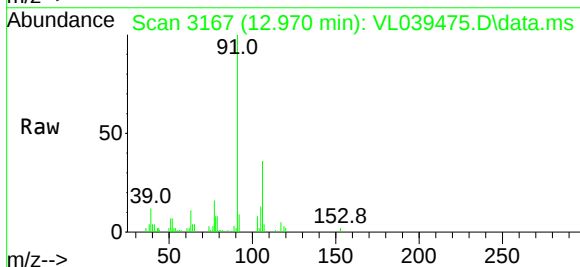
Manual Integrations
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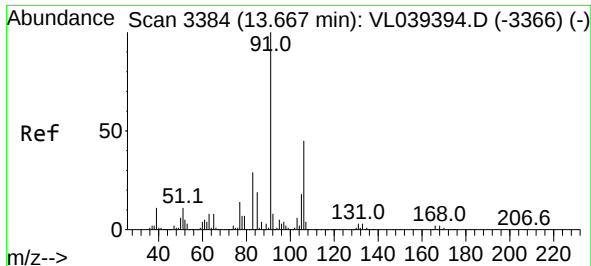
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#59
m/p-Xylene
Concen: 0.236 ppbv m
RT: 12.970 min Scan# 3167
Delta R.T. -0.003 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

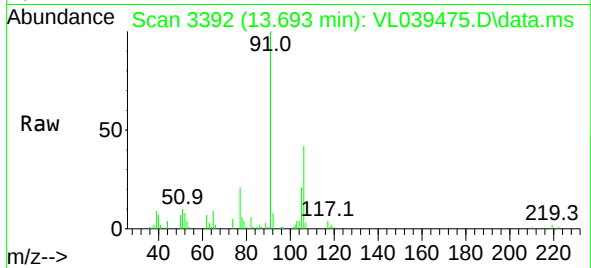
Tgt Ion: 91 Resp: 78673
Ion Ratio Lower Upper
91 100
106 19.3 35.4 53.2#





#60
o-Xylene
Concen: 0.120 ppbv
RT: 13.693 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04

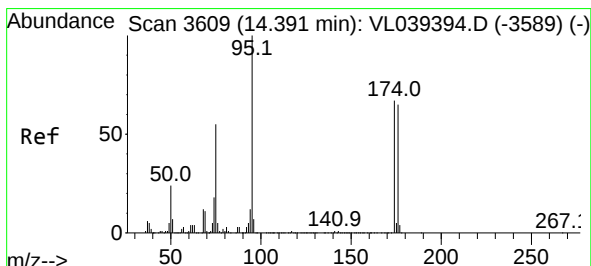
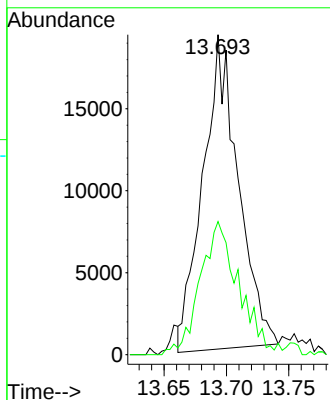
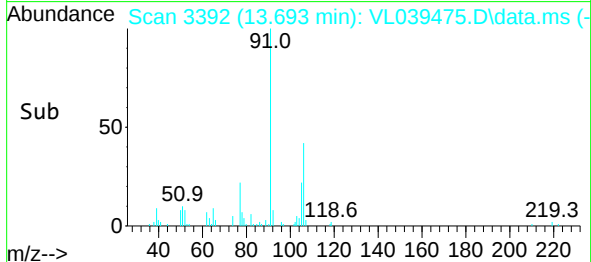
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



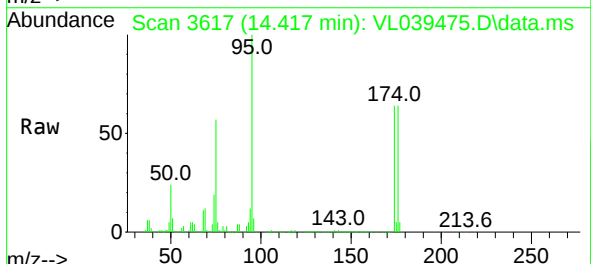
Tgt Ion: 91 Resp: 3777
Ion Ratio Lower Upper
91 100
106 47.7 22.4 67.3

Manual Integrations
APPROVED

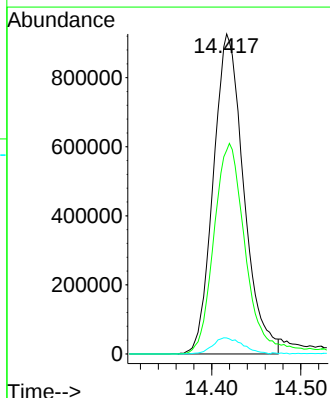
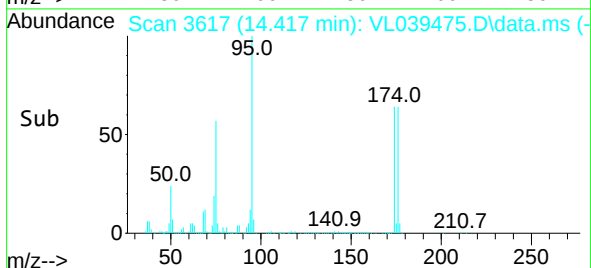
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

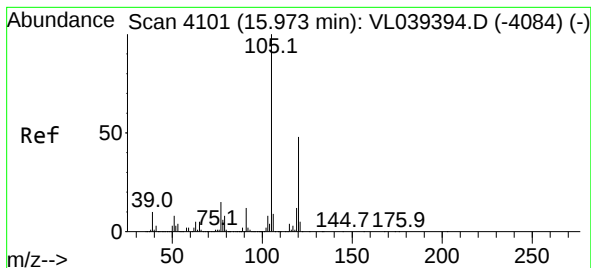


#68
1-Bromo-4-Fluorobenzene
Concen: 10.127 ppbv
RT: 14.417 min Scan# 3617
Delta R.T. 0.026 min
Lab File: VL039475.D
Acq: 13 Jul 2022 22:04



Tgt Ion: 95 Resp: 2195876
Ion Ratio Lower Upper
95 100
174 69.5 55.9 83.9
175 5.2 4.2 6.4





#73

1,3,5-Trimethylbenzene

Concen: 0.099 ppbv m

RT: 15.995 min Scan# 4101

Delta R.T. 0.023 min

Lab File: VL039475.D

Acq: 13 Jul 2022 22:04

Instrument :

MSVOA_L

ClientSampleId :

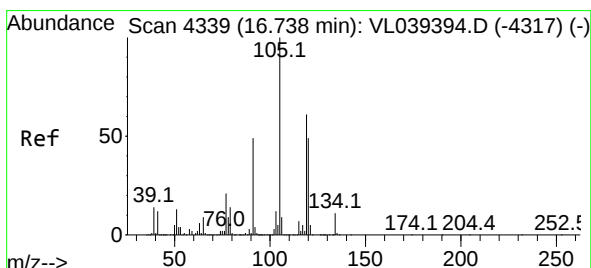
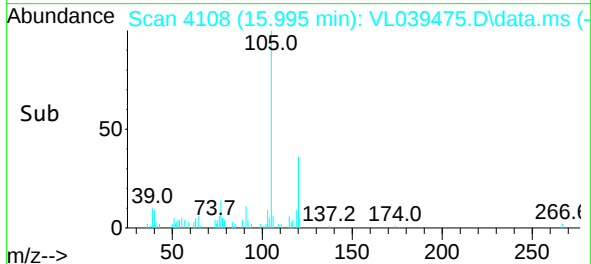
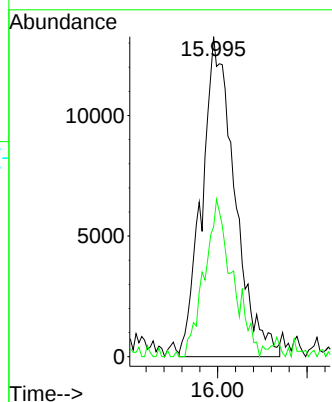
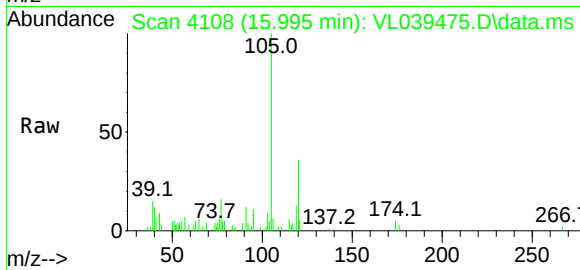
SG-4DL

Tgt Ion:105 Resp: 33795
 Ion Ratio Lower Upper
 105 100
 120 36.0 38.2 57.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.234 ppbv m

RT: 16.767 min Scan# 4348

Delta R.T. 0.029 min

Lab File: VL039475.D

Acq: 13 Jul 2022 22:04

Tgt Ion:105 Resp: 88129
 Ion Ratio Lower Upper
 105 100
 120 40.2 39.5 59.3
 91 8.8 39.2 58.8
 77 18.3 17.2 25.8

