

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038038.D
 Acq On : 16 Nov 2021 13:51
 Operator : SY/AP
 Sample : M3277-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 E057-1100

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 17 09:19:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 09:59:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	806996	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2490359	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2192505	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1686545	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	1876634	25.139	ppbv	100
11) Trichlorofluoromethane	3.95	101	2688349	16.574	ppbv	99
20) Methylene Chloride	4.34	84	598906	10.761	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1566113	12.777	ppbv	99
26) Hexane	5.68	57	2573323	22.950	ppbv #	45
35) Carbon Tetrachloride	7.01	117	1872236	10.877	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1377552	15.043	ppbv	98
42) Bromodichloromethane	7.78	83	4118527	23.793	ppbv	98
72) 4-Ethyltoluene	15.83	105	10431044	34.060	ppbv #	94
74) 1,2,4-Trimethylbenzene	16.75	105	9052414	32.096	ppbv #	75
77) 1,2-Dichlorobenzene	17.81	146	4690342	31.423	ppbv	100

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

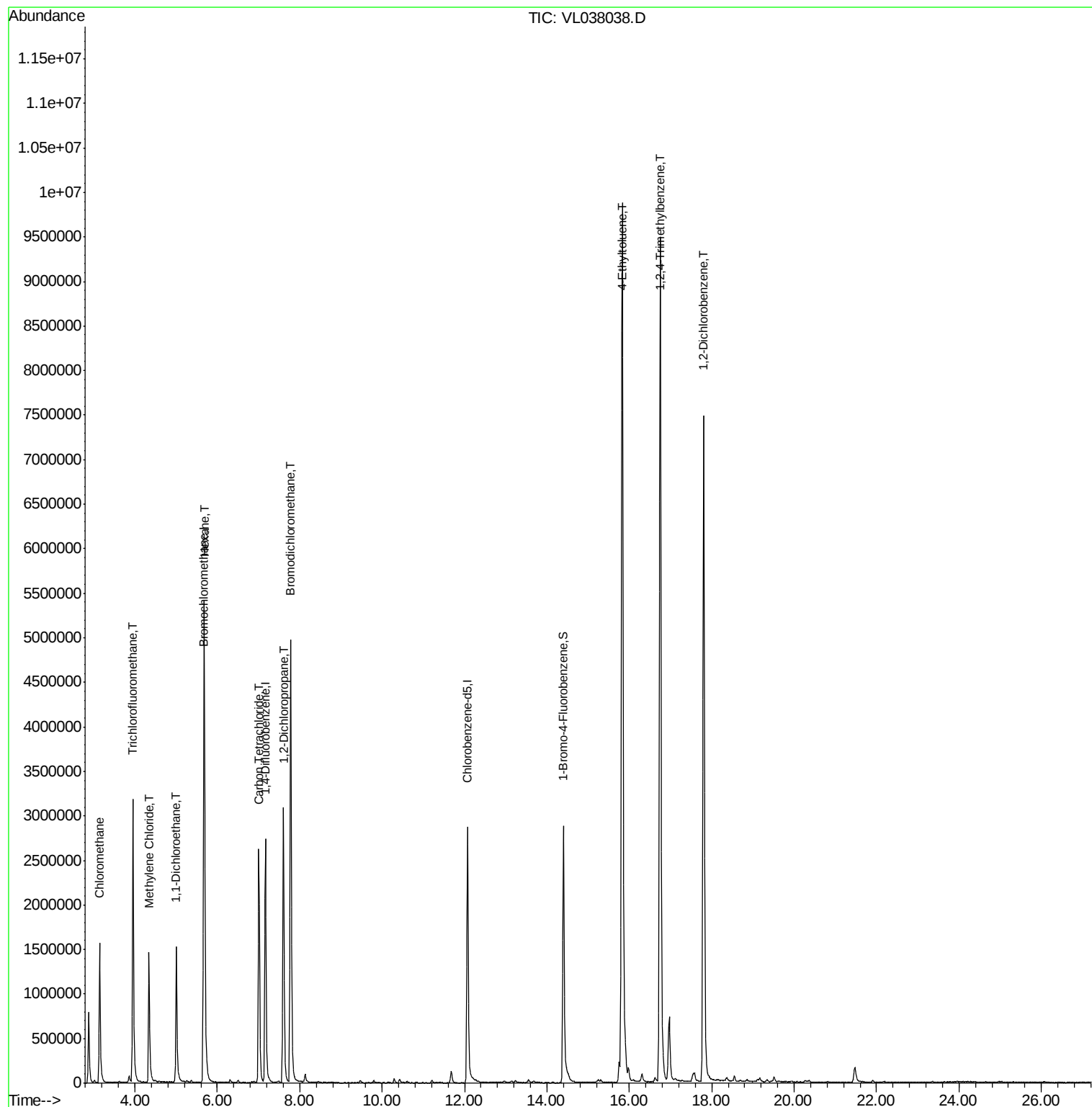
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038038.D
Acq On : 16 Nov 2021 13:51
Operator : SY/AP
Sample : M3277-01
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

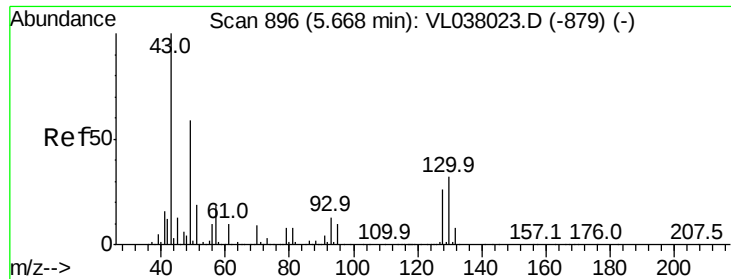
Instrument :
MSVOA_L
ClientSampleId :
E057-1100

Manual Integrations
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Quant Time: Nov 17 09:19:37 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111621
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Nov 16 09:59:16 2021
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: E057-1100

Acq: 16 Nov 2021 13:51

Tot Ion:

Ion Ratio

49 100

128 50.

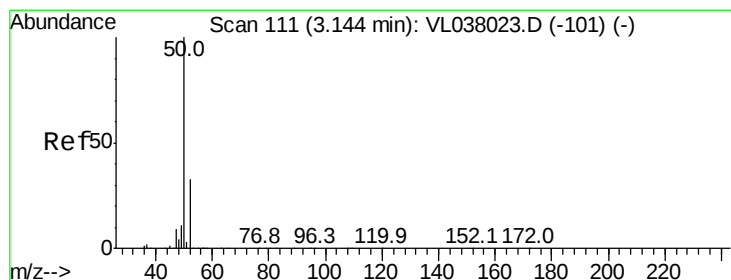
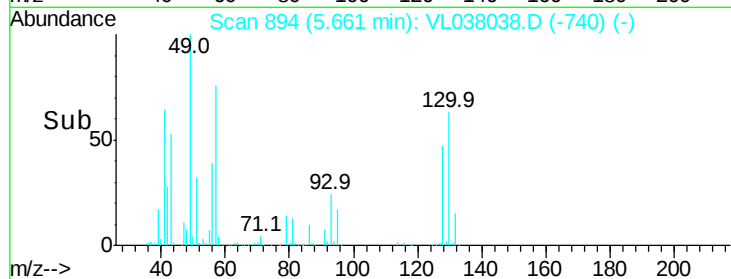
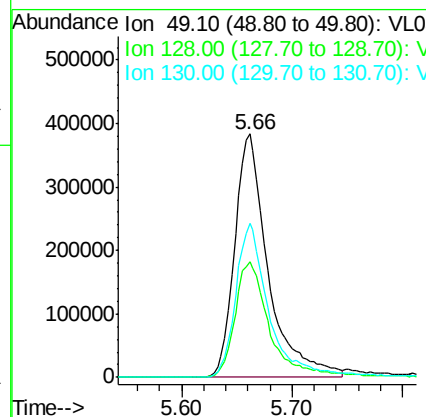
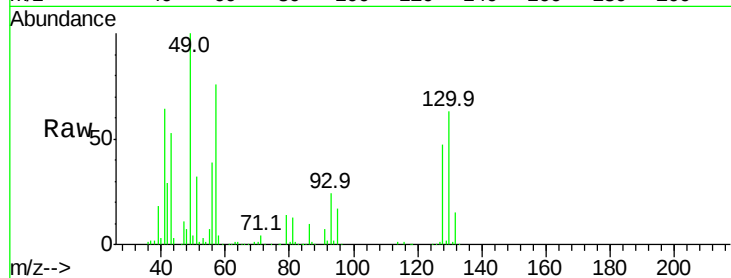
130 64.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/17/2021



#4

Chloromethane

Concen: 25.139 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038038.D

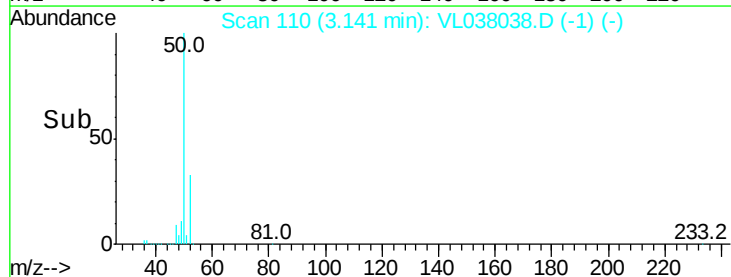
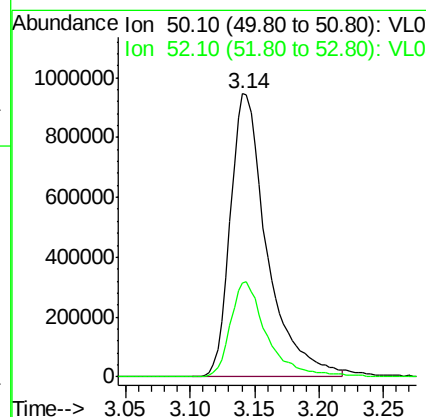
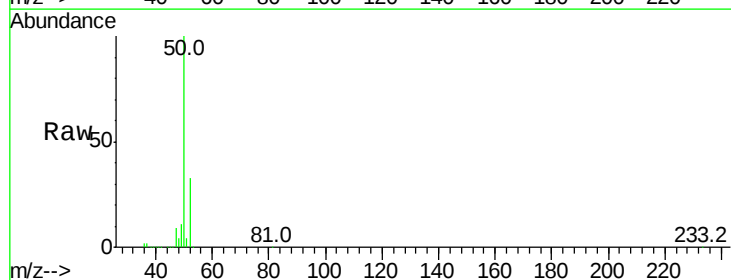
Acq: 16 Nov 2021 13:51

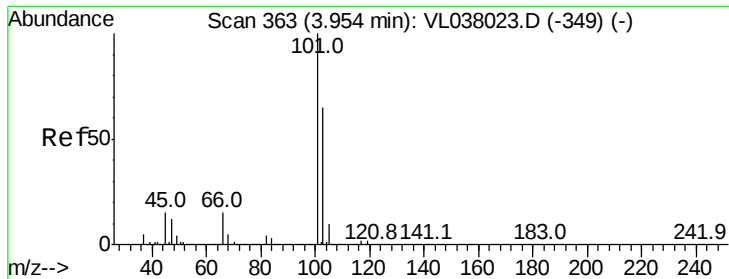
Tgt Ion: 50 Resp: 1876634

Ion Ratio Lower Upper

50 100

52 33.3 26.4 39.6



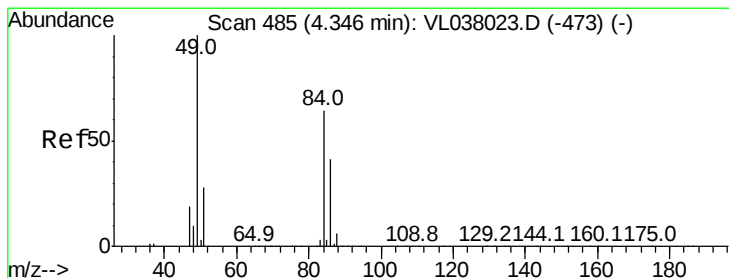
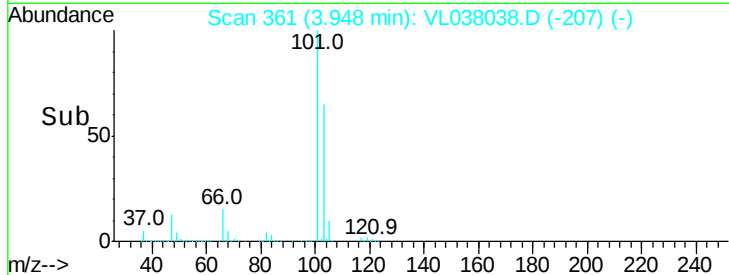
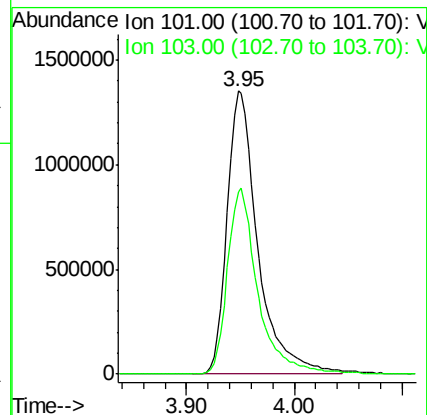
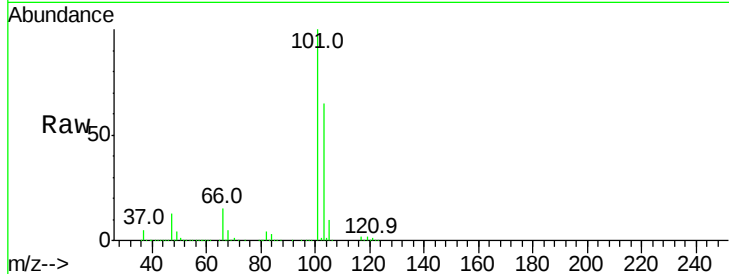


#11
 Trichlorofluoromethane
 Concen: 16.574 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E057-1100
 Acq: 16 Nov 2021 13:51

Tot Ion:1
 Ion Rati
 101 100
 103 64.

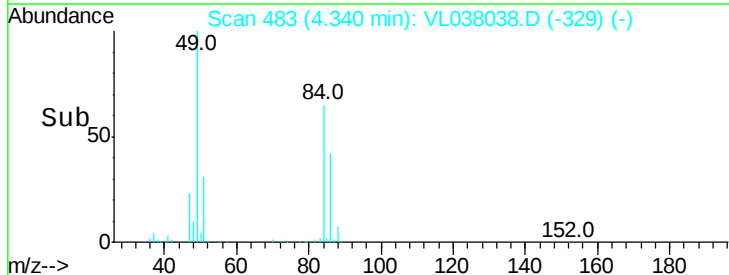
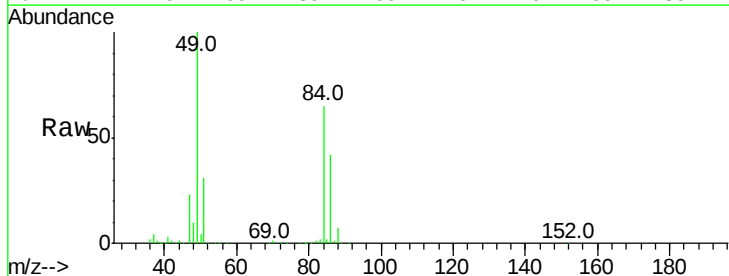
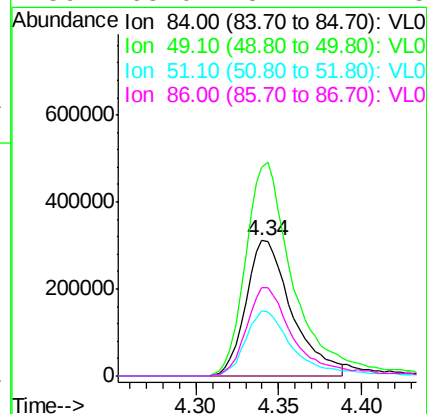
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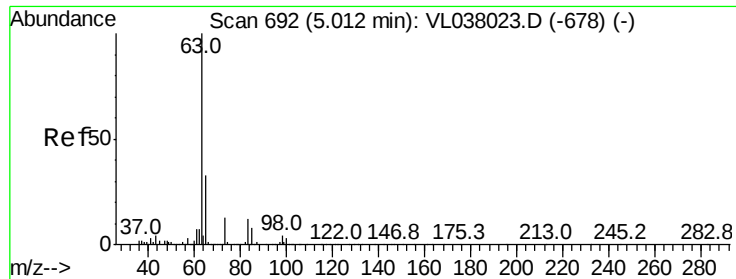
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#20
 Methylene Chloride
 Concen: 10.761 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: VL038038.D
 Acq: 16 Nov 2021 13:51

Tgt Ion: 84 Resp: 598906
 Ion Ratio Lower Upper
 84 100
 49 154.0 125.1 187.7
 51 47.7 35.3 52.9
 86 65.0 51.7 77.5





#24

1,1-Dichloroethane

Concen: 12.777 ppbv

RT: 5.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 13:51 E057-1100

Tot Ion:

Ion Ratio

63 100

98 4.

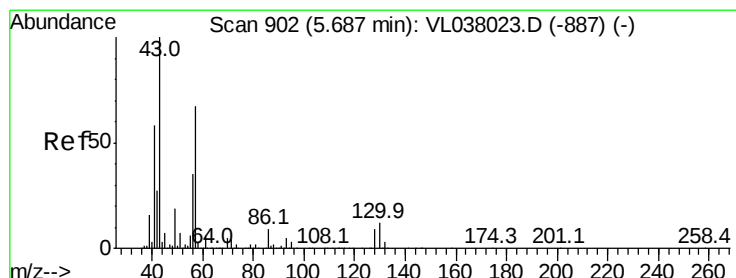
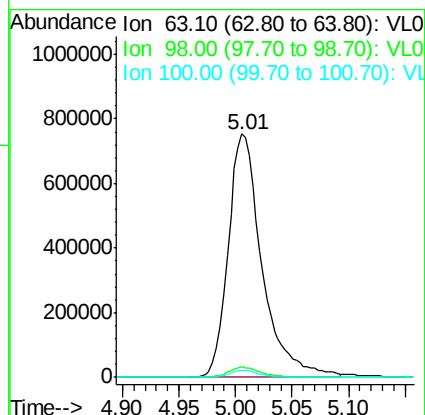
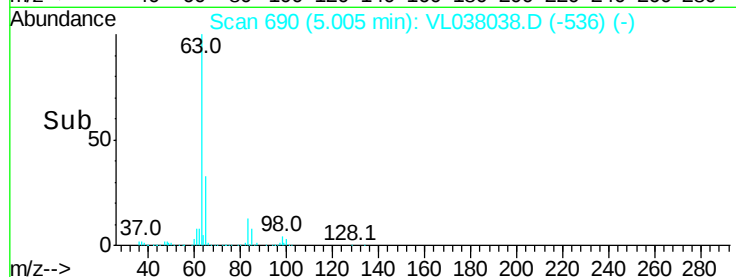
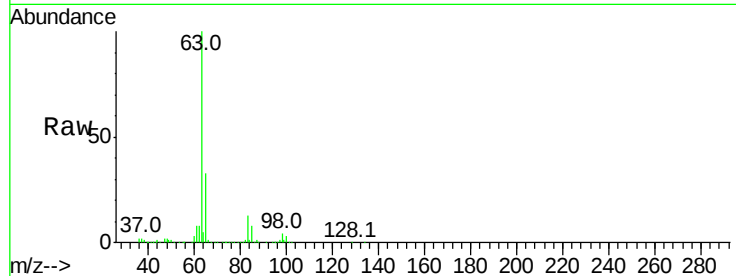
100 2.

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#26

Hexane

Concen: 22.950 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL038038.D

Acq: 16 Nov 2021 13:51

Tgt Ion: 57 Resp: 2573323

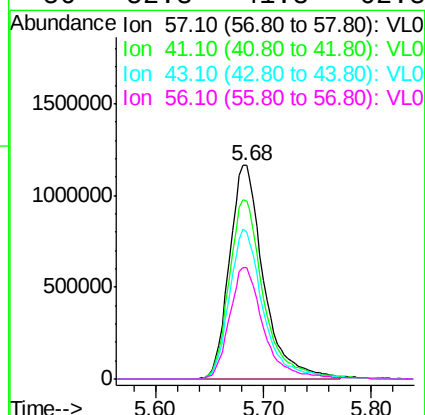
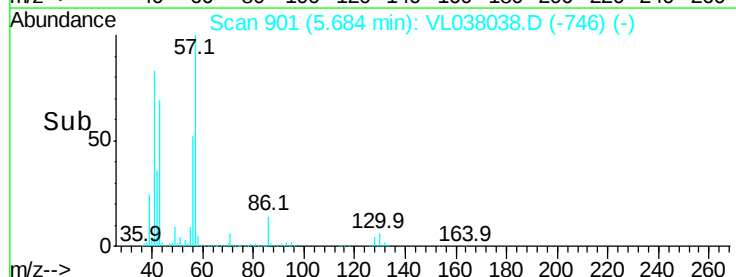
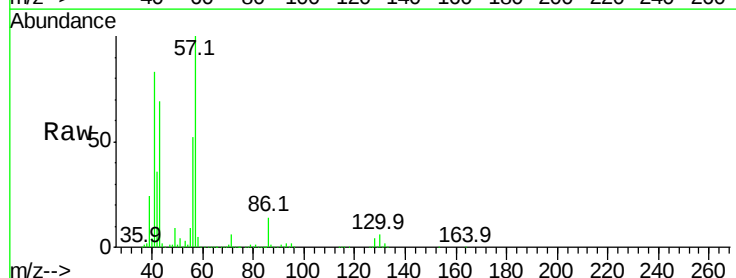
Ion Ratio Lower Upper

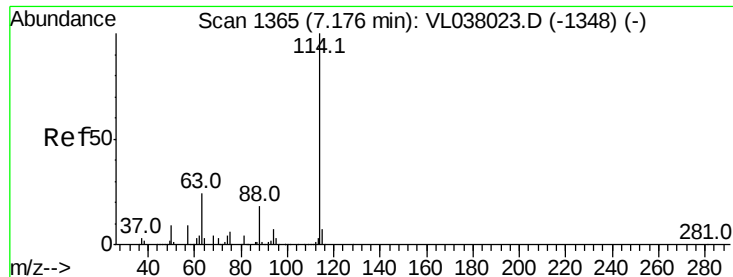
57 100

41 84.7 70.8 106.2

43 69.6 169.4 254.0#

56 52.3 41.8 62.8



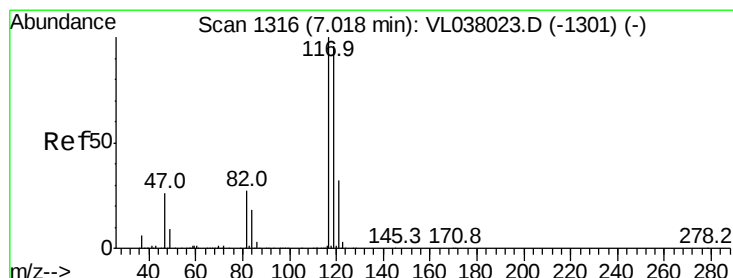
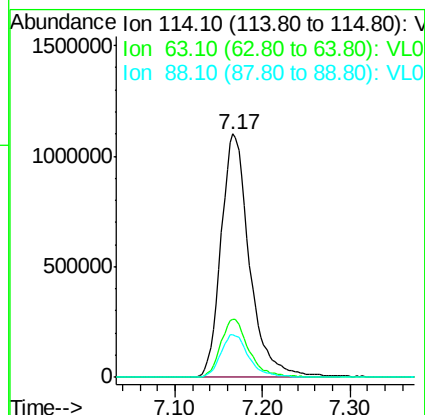
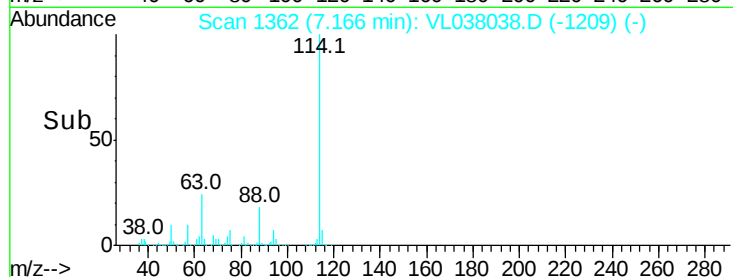
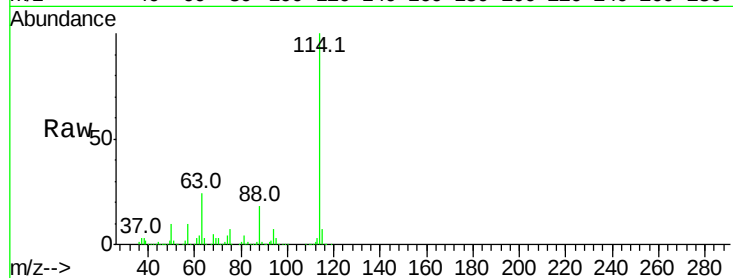


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 E057-1100
 Acq: 16 Nov 2021 13:51

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 17.

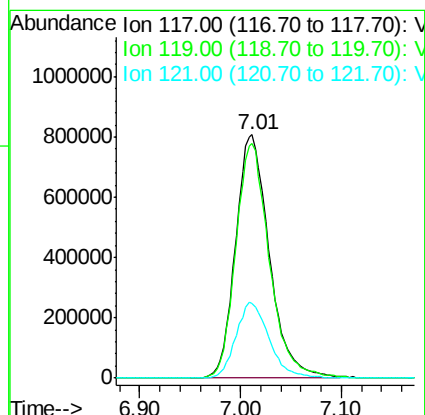
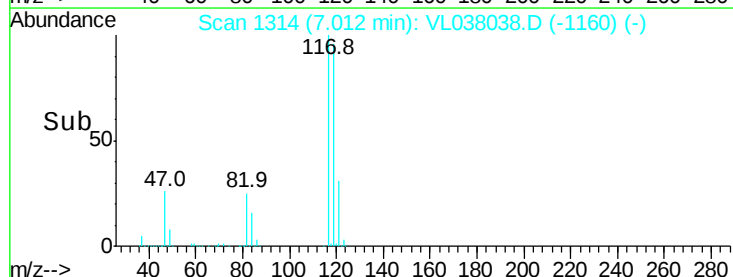
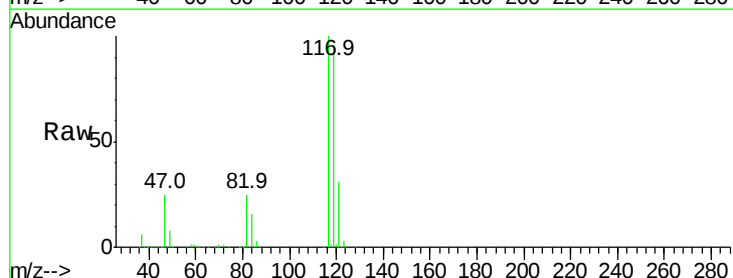
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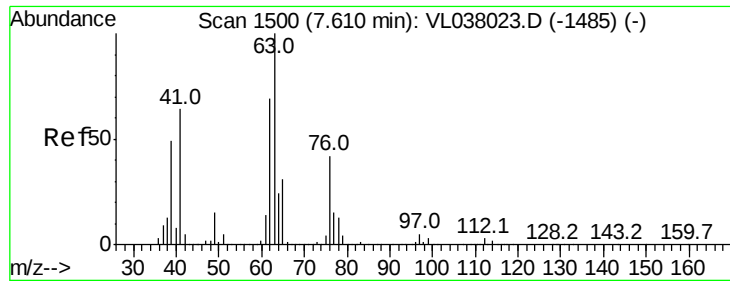
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#35
 Carbon Tetrachloride
 Concen: 10.877 ppbv
 RT: 7.01 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VL038038.D
 Acq: 16 Nov 2021 13:51

Tgt Ion:117 Resp: 1872236
 Ion Ratio Lower Upper
 117 100
 119 96.3 76.5 114.7
 121 30.8 25.3 37.9



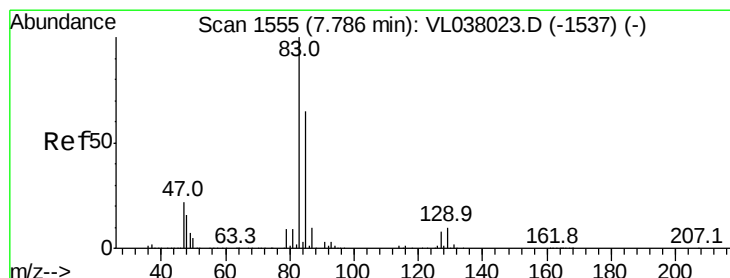
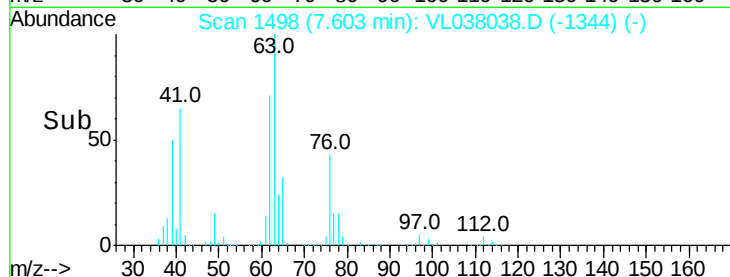
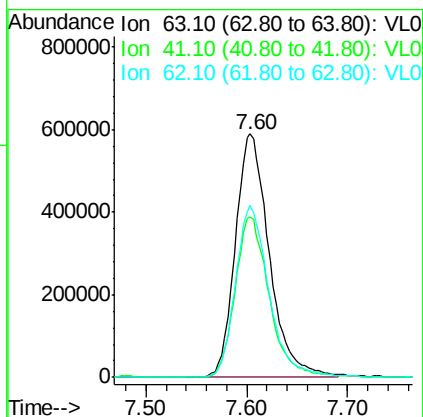
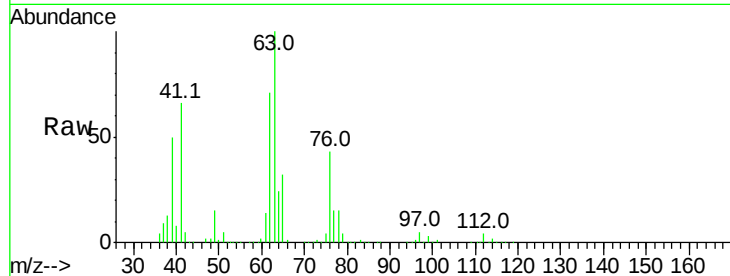


#39
 1,2-Dichloropropane
 Concen: 15.043 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E057-1100
 Acq: 16 Nov 2021 13:51

Tot Ion:
 Ion Ratio
 63 100
 41 65.
 62 70.

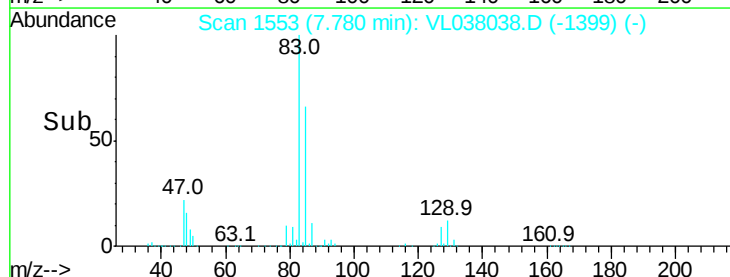
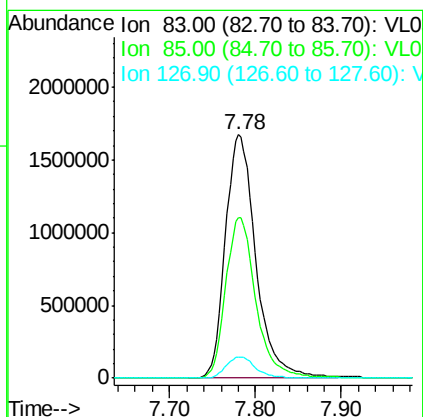
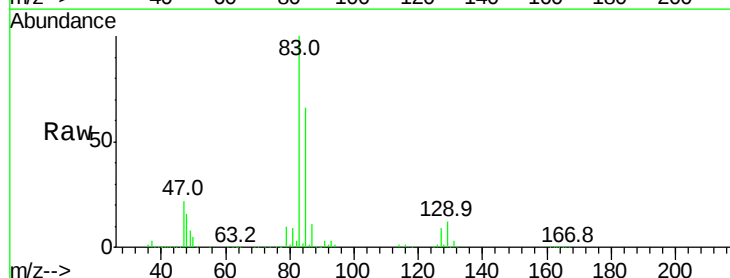
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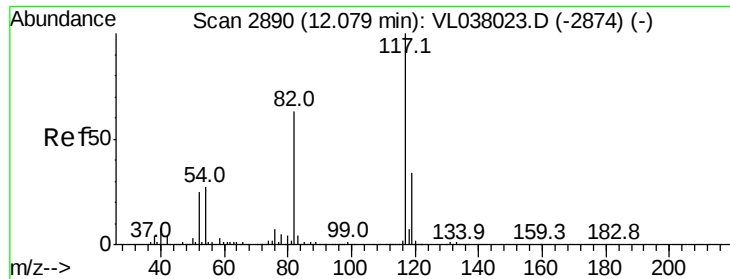
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#42
 Bromodichloromethane
 Concen: 23.793 ppbv
 RT: 7.78 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: VL038038.D
 Acq: 16 Nov 2021 13:51

Tgt Ion: 83 Resp: 4118527
 Ion Ratio Lower Upper
 83 100
 85 65.8 51.6 77.4
 127 8.6 6.6 10.0



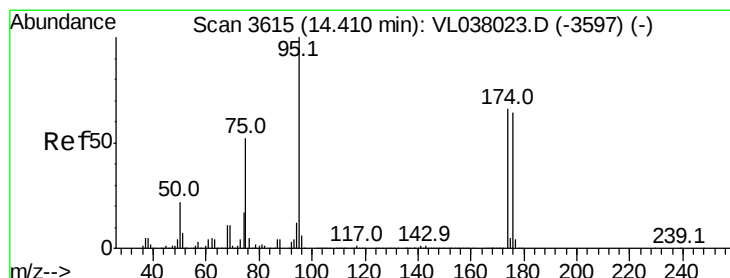
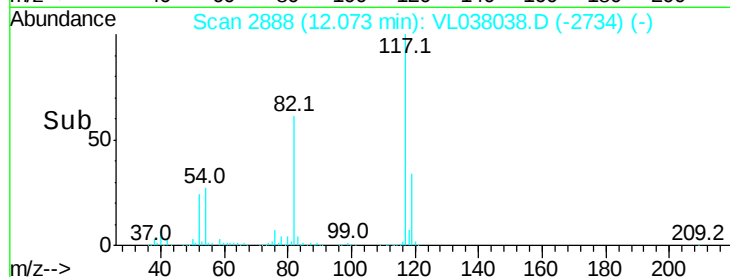
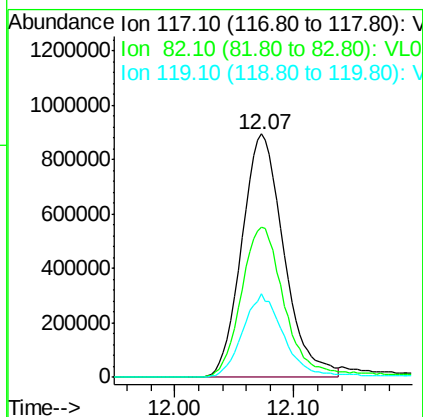
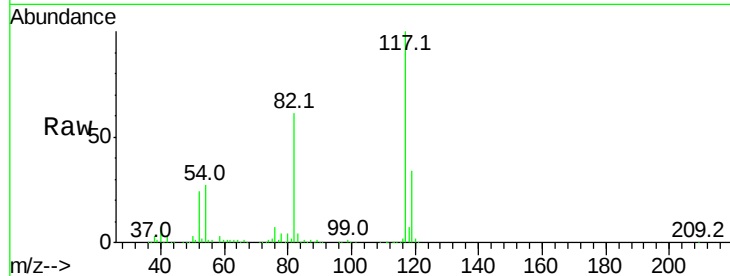


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E057-1100
Acq: 16 Nov 2021 13:51

Tot Ion: 1
Ion Ratio
117 100
82 66.
119 34.

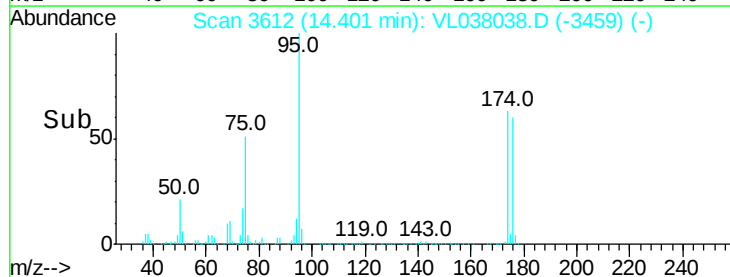
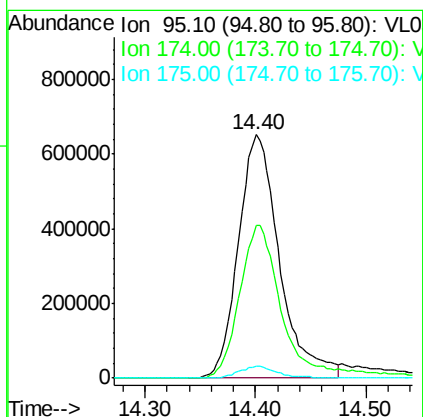
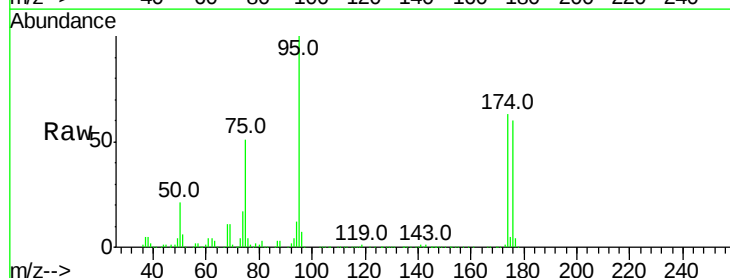
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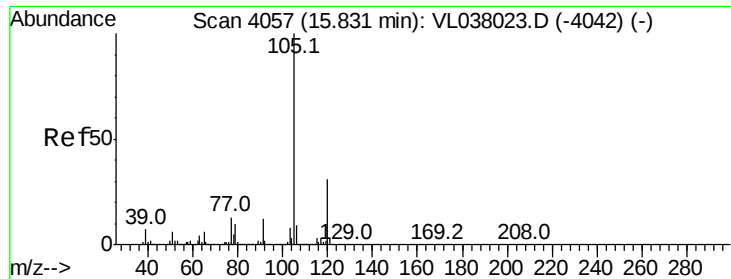
Reviewed By : Semsettin Yesilyurt 11/17/2021
Supervised By : Mahesh Dadoda 11/17/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.647 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.01 min
Lab File: VL038038.D
Acq: 16 Nov 2021 13:51

Tgt Ion: 95 Resp: 1686545
Ion Ratio Lower Upper
95 100
174 66.7 55.0 82.6
175 4.6 4.2 6.2



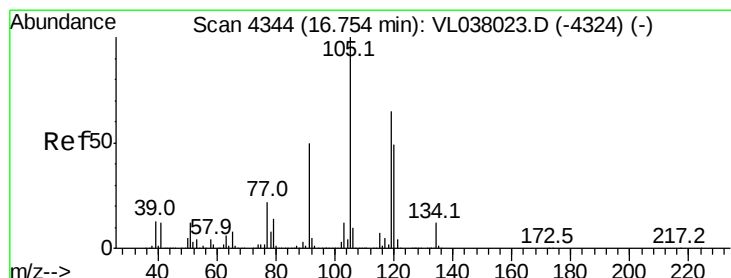
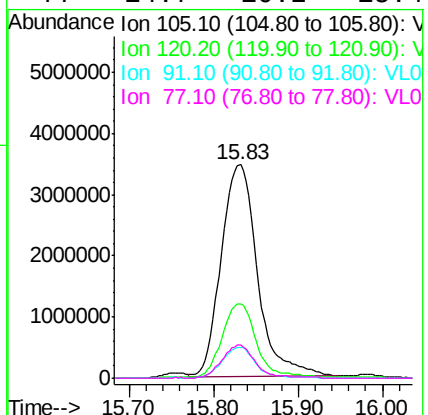
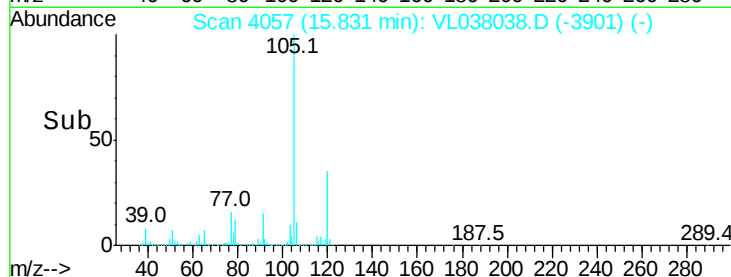
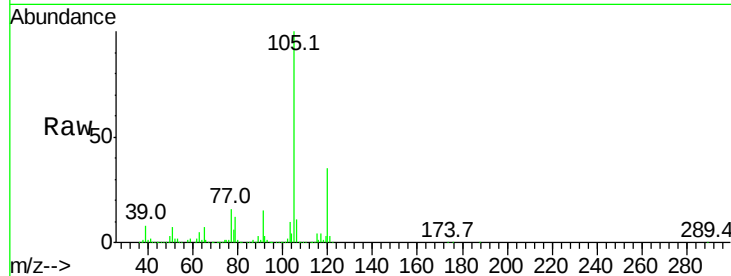


#72
 4-Ethyltoluene
 Concen: 34.060 ppbv
 RT: 15.83 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E057-1100
 Acq: 16 Nov 2021 13:51

Tot Ion:1
 Ion Ratio
 105 100
 120 34.
 91 14.
 77 14.7 10.2 15.4

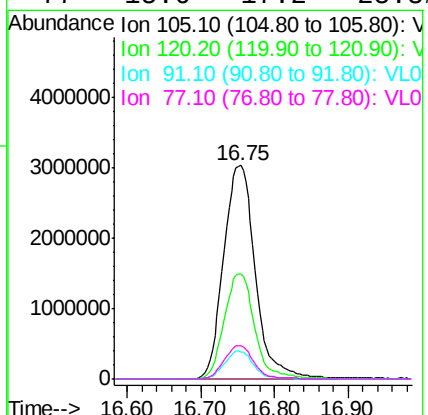
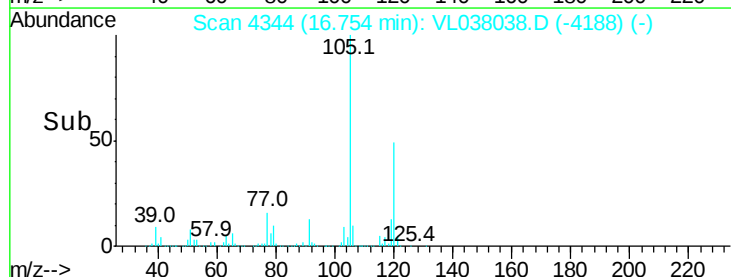
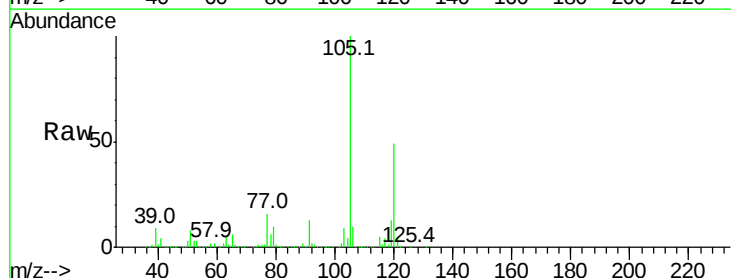
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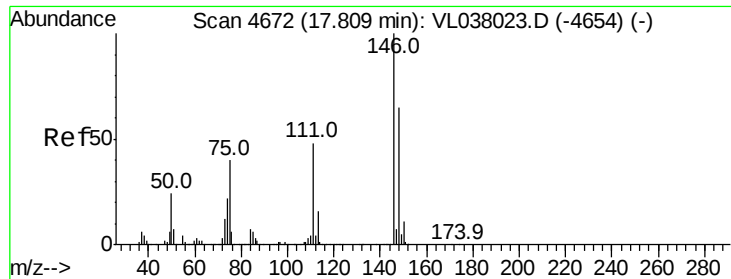
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 32.096 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T.: 0.00 min
 Lab File: VL038038.D
 Acq: 16 Nov 2021 13:51

Tgt Ion:105 Resp: 9052414
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.5 59.3
 91 12.8 40.9 61.3#
 77 15.6 17.2 25.8#





#77

1,2-Dichlorobenzene

Concen: 31.423 ppbv

RT: 17.81

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

E057-1100

Acq: 16 Nov 2021 15:51

Tot Ion:1

Ion Rati

146 100

111 49.

148 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021

