

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038040.D
 Acq On : 16 Nov 2021 15:10
 Operator : SY/AP
 Sample : M3277-01DL 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 E057-1100DL

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 09:22:31 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	853387	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2611652	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2419257	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1730753	9.90	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	933828	11.829	ppbv	99
11) Trichlorofluoromethane	3.95	101	1341471	7.821	ppbv	99
20) Methylene Chloride	4.34	84	381193	6.477	ppbv	94
24) 1,1-Dichloroethane	5.01	63	758726	5.854	ppbv	100
26) Hexane	5.68	57	1354423	11.423	ppbv #	45
35) Carbon Tetrachloride	7.01	117	921950	5.107	ppbv	99
39) 1,2-Dichloropropane	7.60	63	682400	7.106	ppbv	97
42) Bromodichloromethane	7.78	83	2136672	11.770	ppbv	100
72) 4-Ethyltoluene	15.82	105	6064241	17.945	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	5117764	16.445	ppbv #	72
77) 1,2-Dichlorobenzene	17.80	146	2477615	15.043	ppbv	99

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

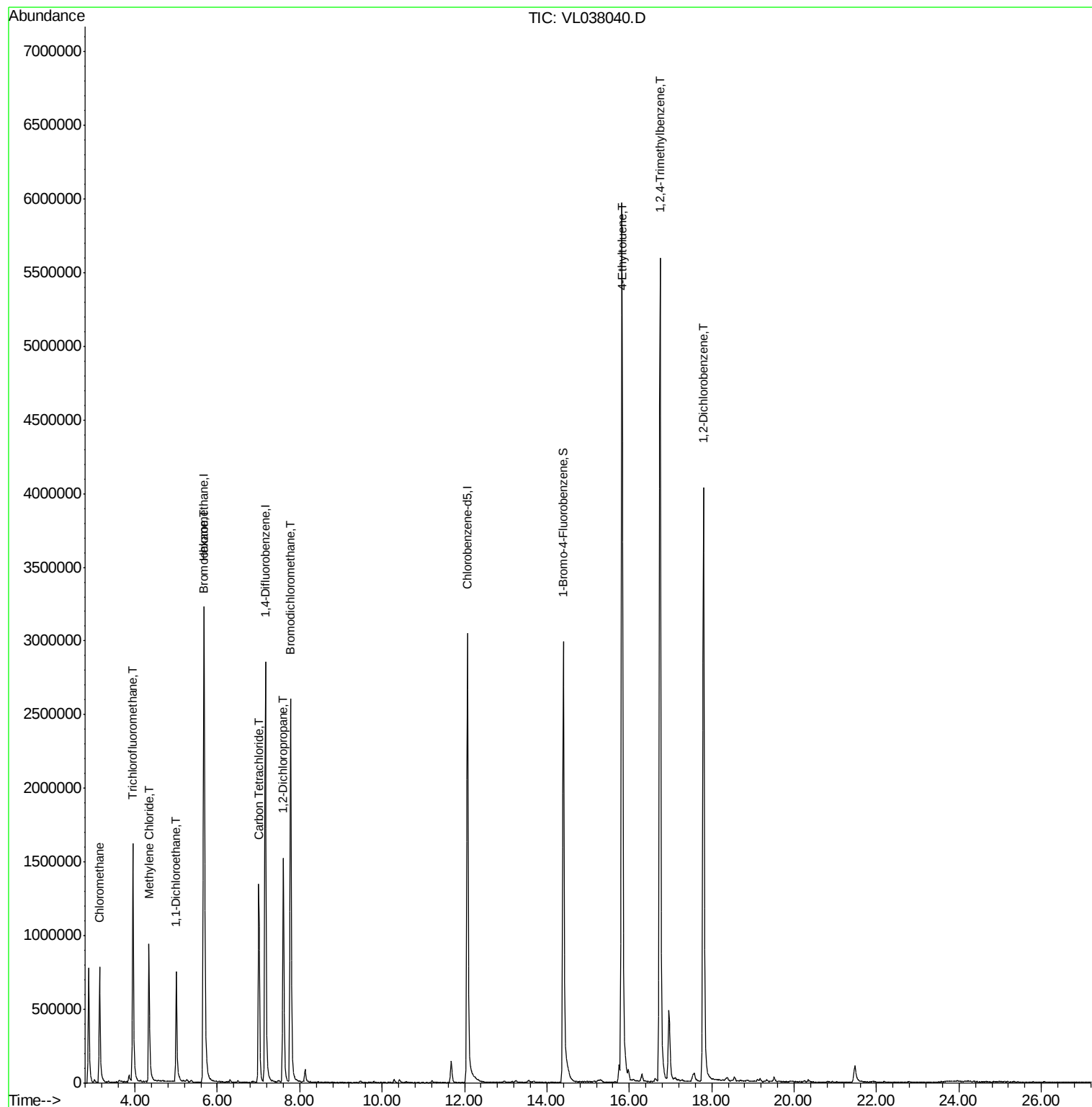
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111621\
Data File : VL038040.D
Acq On : 16 Nov 2021 15:10
Operator : SY/AP
Sample : M3277-01DL 2X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

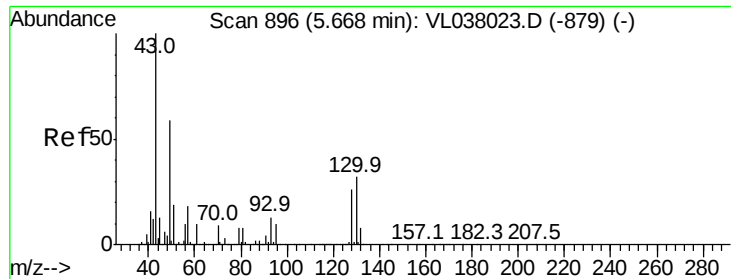
Instrument :
MSVOA_L
ClientSampleId :
E057-1100DL

Manual Integrations
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Quant Time: Nov 17 09:22:31 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 :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 15:10 E057-1100DL

Tot Ion:

Ion Ratio

49 100

128 51.

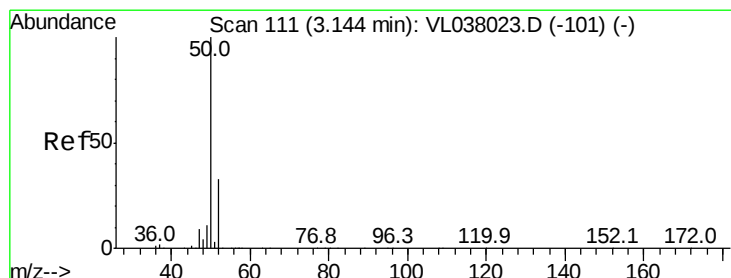
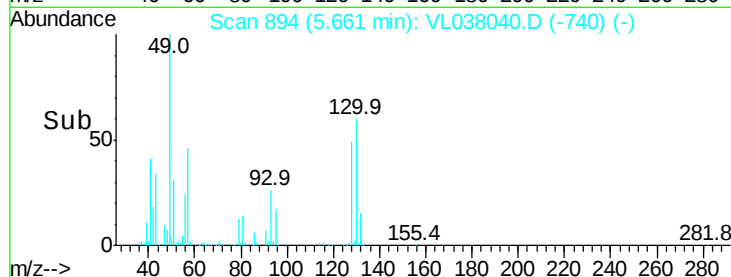
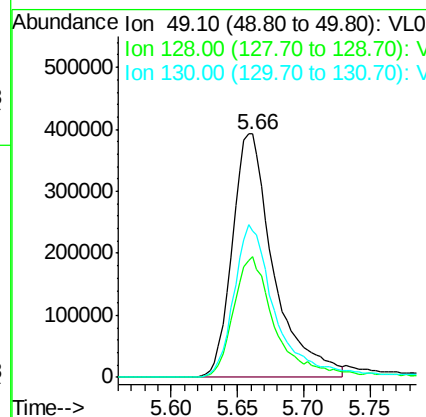
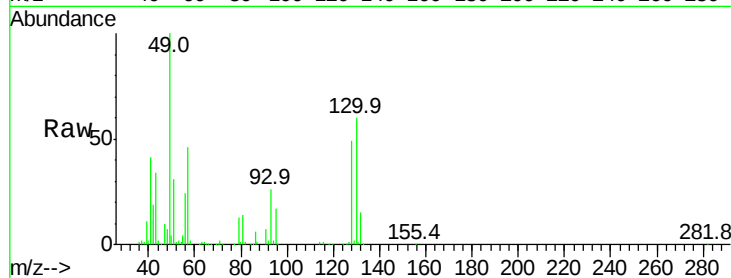
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#4

Chloromethane

Concen: 11.829 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038040.D

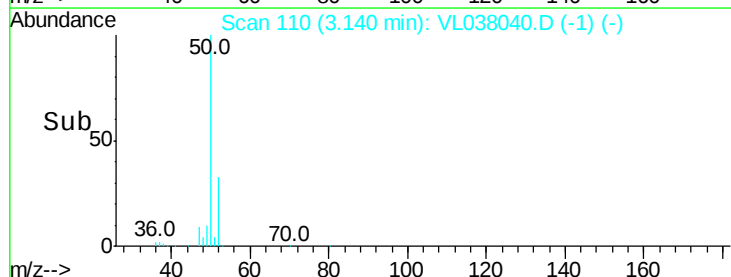
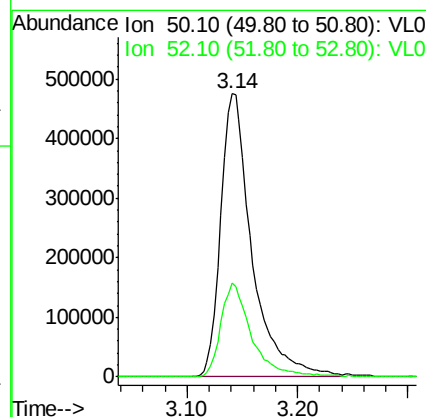
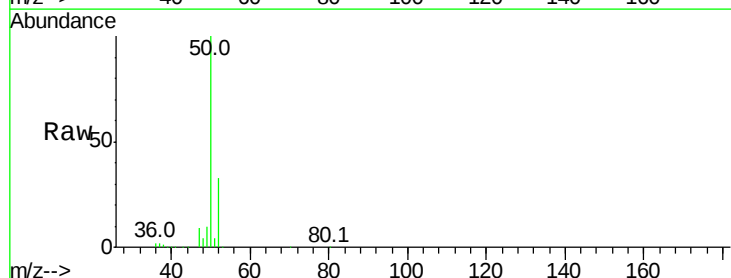
Acq: 16 Nov 2021 15:10

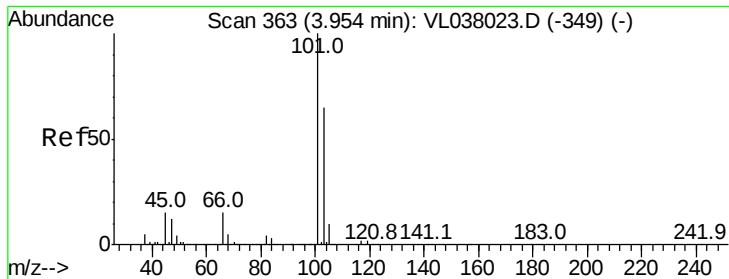
Tgt Ion: 50 Resp: 933828

Ion Ratio Lower Upper

50 100

52 33.3 26.4 39.6



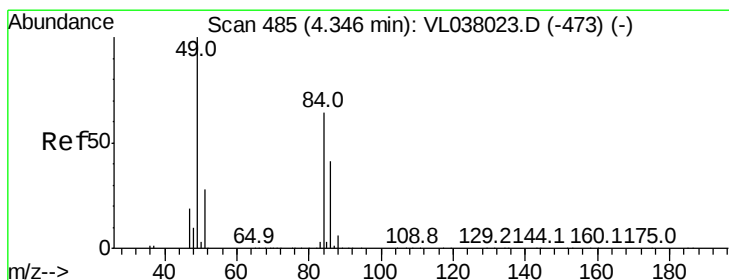
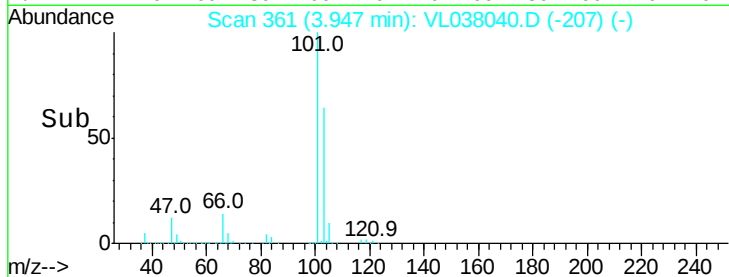
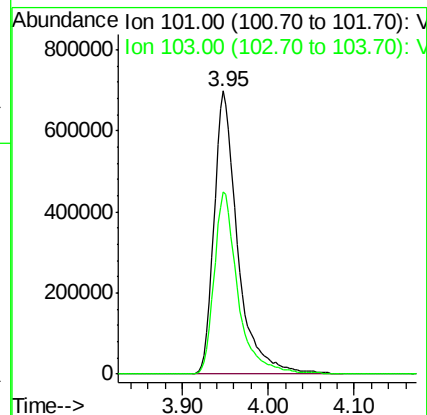
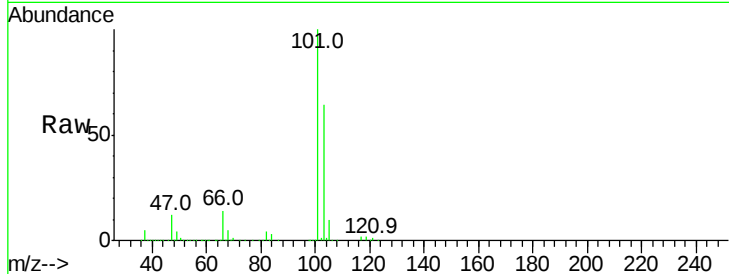


#11
 Trichlorofluoromethane
 Concen: 7.821 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 E057-1100DL
 Acq: 16 Nov 2021 15:10

Tot Ion:1
 Ion Rati
 101 100
 103 64.

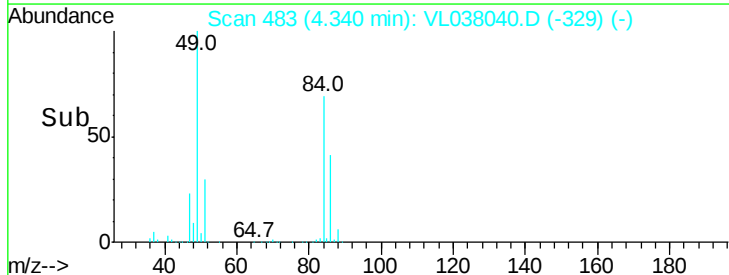
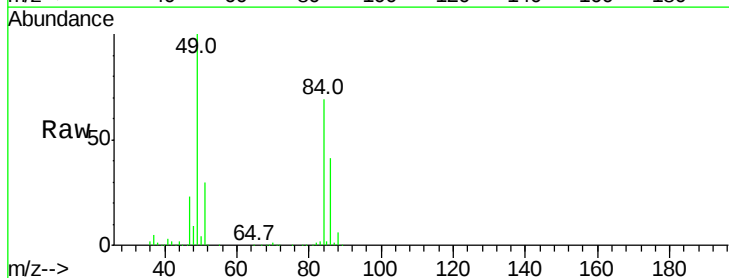
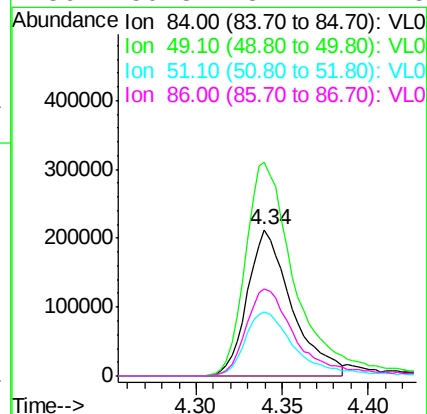
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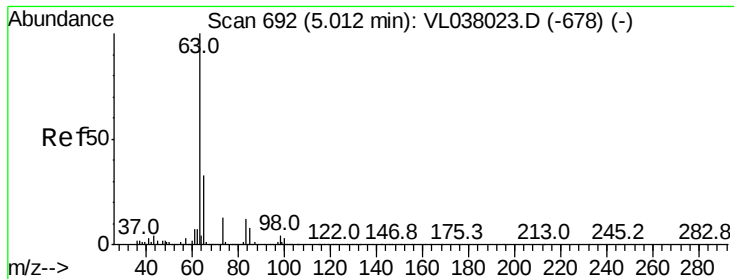
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#20
 Methylene Chloride
 Concen: 6.477 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: VL038040.D
 Acq: 16 Nov 2021 15:10

Tgt Ion: 84 Resp: 381193
 Ion Ratio Lower Upper
 84 100
 49 145.9 125.1 187.7
 51 43.6 35.3 52.9
 86 59.8 51.7 77.5





#24

1,1-Dichloroethane

Concen: 5.854 ppbv

RT: 5.01 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

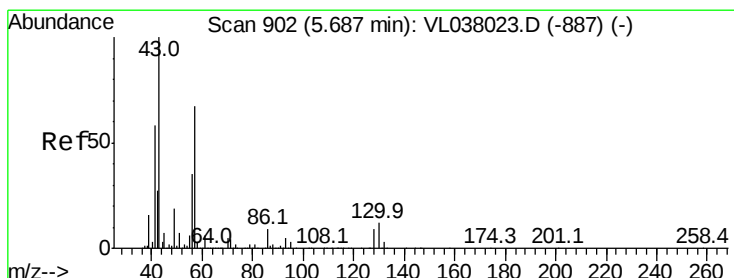
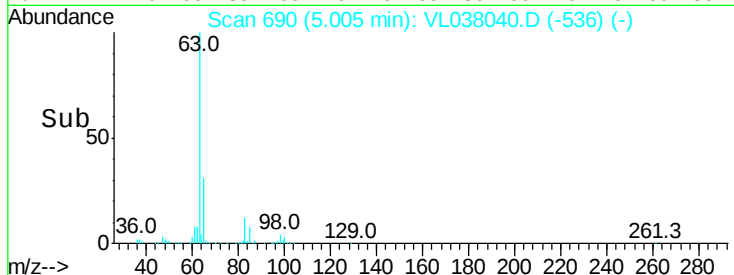
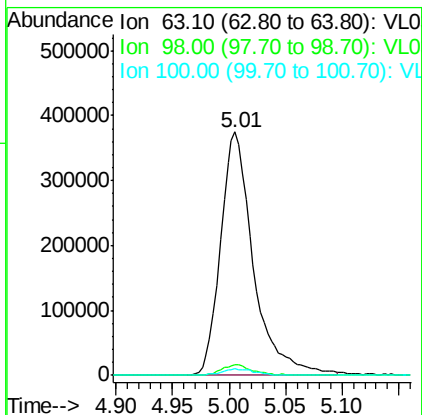
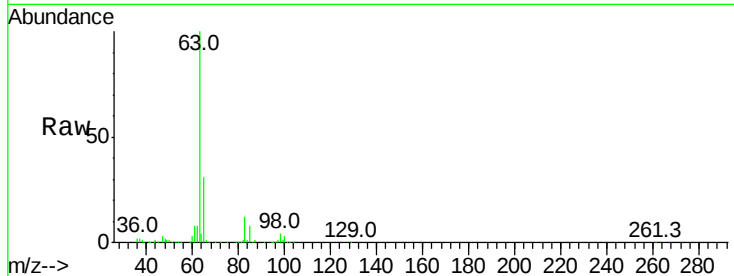
Lab File: E057-1100DL

Acq: 16 Nov 2021 15:10

Tot Ion:
Ion Ratio
63 100
98 4.
100 2.

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Supervised By :Mahesh Dadoda 11/17/2021



#26

Hexane

Concen: 11.423 ppbv

RT: 5.68 min Scan# 900

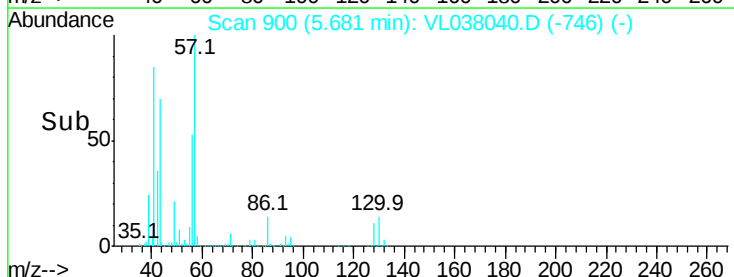
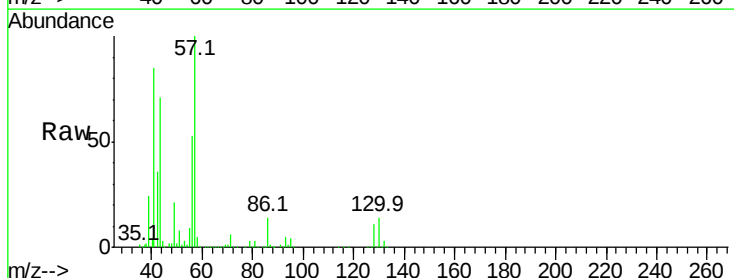
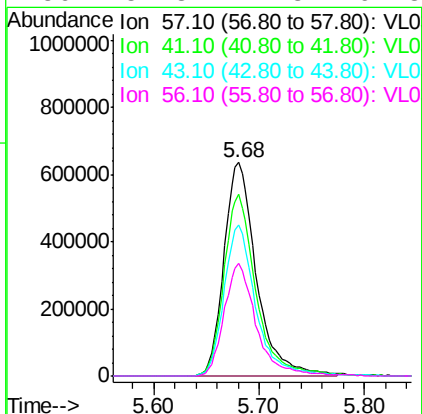
Delta R.T. -0.01 min

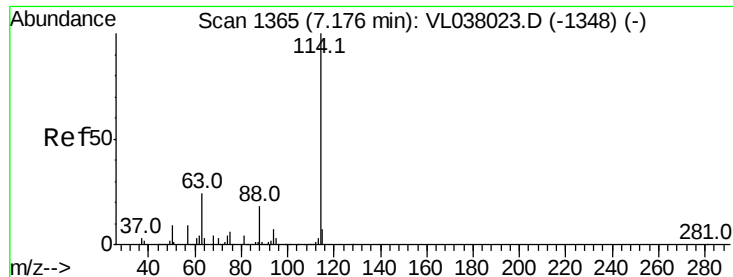
Lab File: VL038040.D

Acq: 16 Nov 2021 15:10

Tgt Ion: 57 Resp: 1354423

Ion	Ratio	Lower	Upper
57	100		
41	84.8	70.8	106.2
43	69.8	169.4	254.0#
56	52.3	41.8	62.8



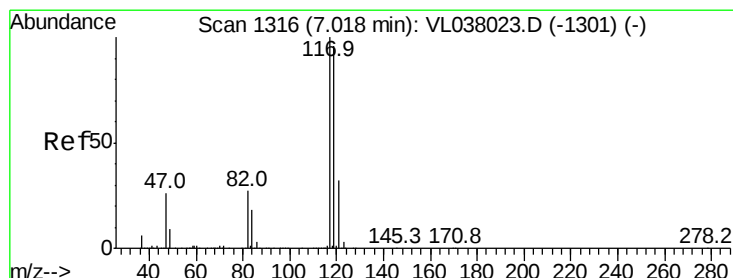
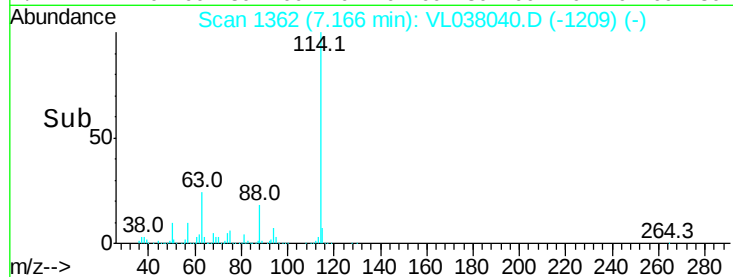
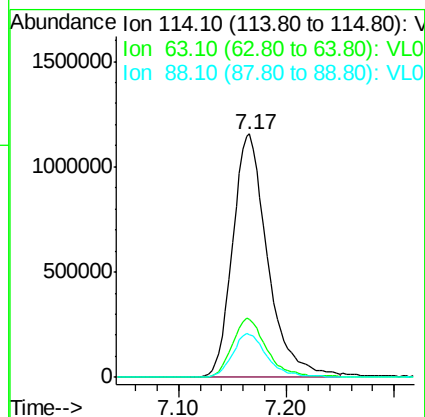
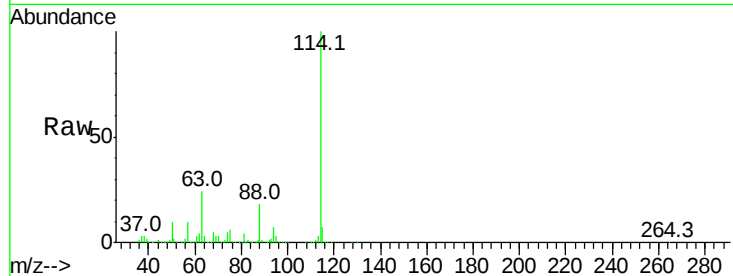


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 E057-1100DL
 Acq: 16 Nov 2021 15:10

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 18.

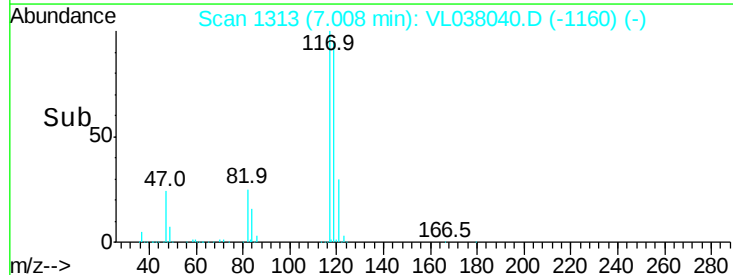
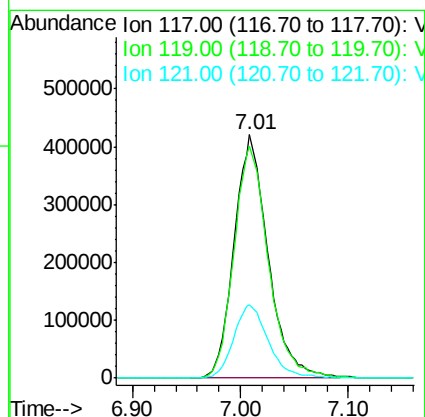
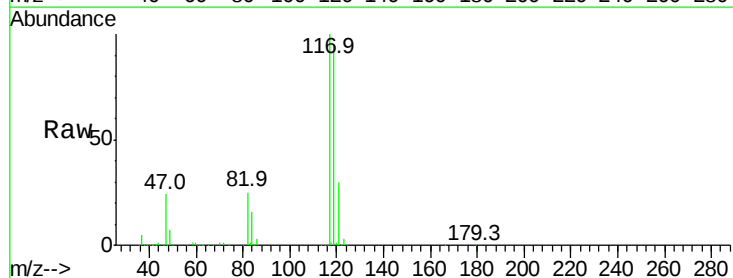
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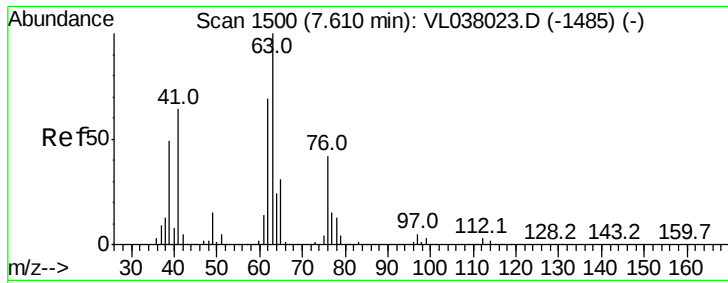
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#35
 Carbon Tetrachloride
 Concen: 5.107 ppbv
 RT: 7.01 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VL038040.D
 Acq: 16 Nov 2021 15:10

Tgt Ion:117 Resp: 921950
 Ion Ratio Lower Upper
 117 100
 119 95.3 76.5 114.7
 121 30.3 25.3 37.9



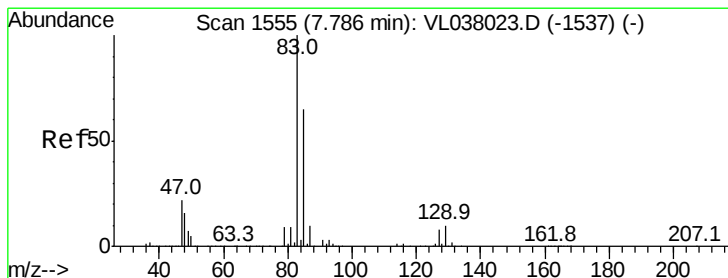
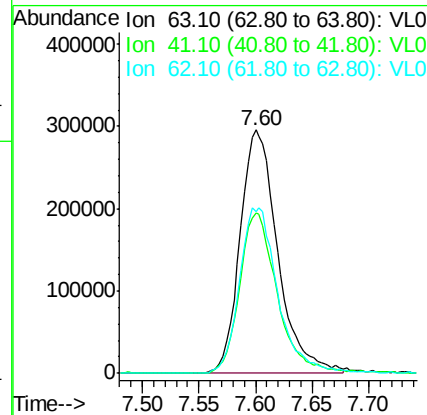
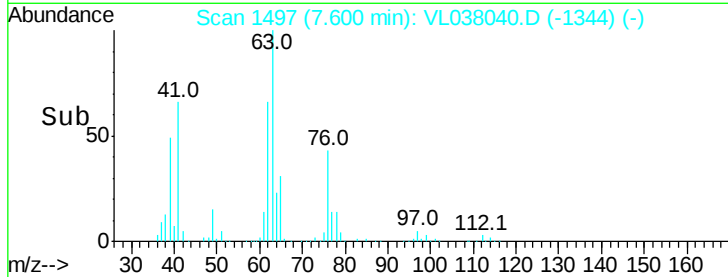
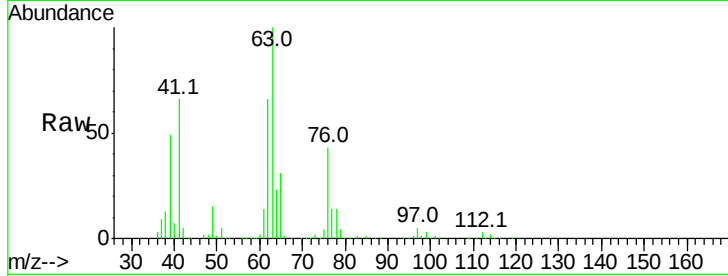


#39
 1,2-Dichloropropane
 Concen: 7.106 ppbv
 RT: 7.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 E057-1100DL
 Acq: 16 Nov 2021 15:10

Tot Ion:
 Ion Ratio
 63 100
 41 66.
 62 66.

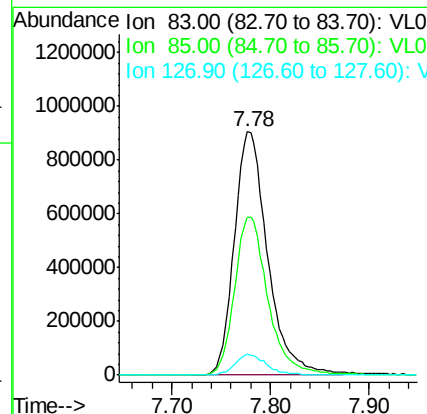
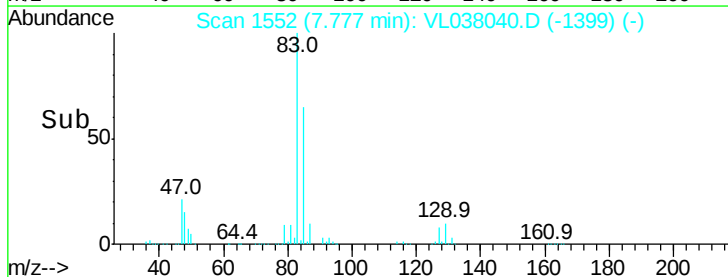
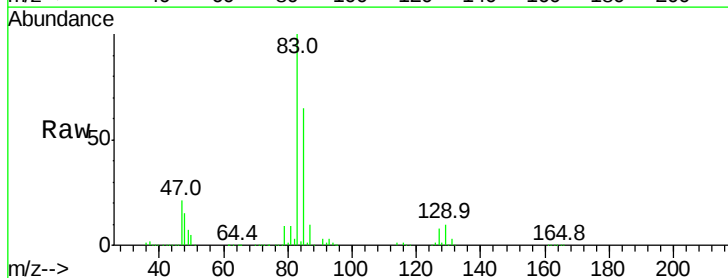
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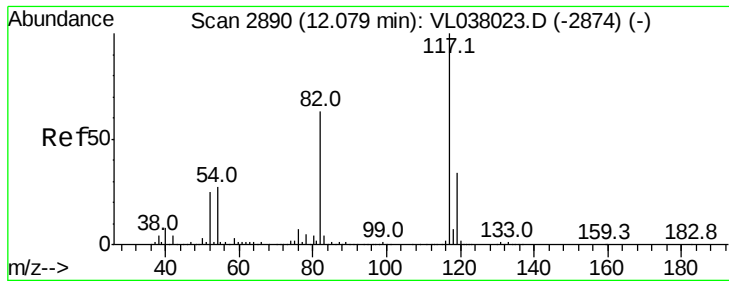
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#42
 Bromodichloromethane
 Concen: 11.770 ppbv
 RT: 7.78 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: VL038040.D
 Acq: 16 Nov 2021 15:10

Tgt Ion: 83 Resp: 2136672
 Ion Ratio Lower Upper
 83 100
 85 64.7 51.6 77.4
 127 8.5 6.6 10.0



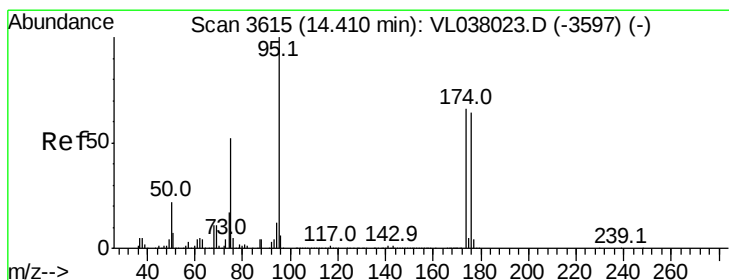
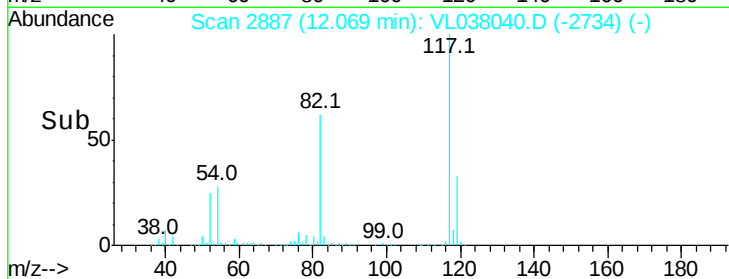
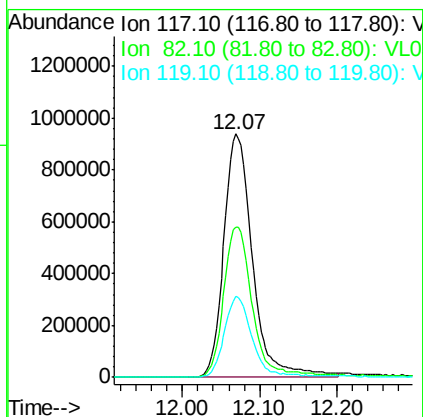
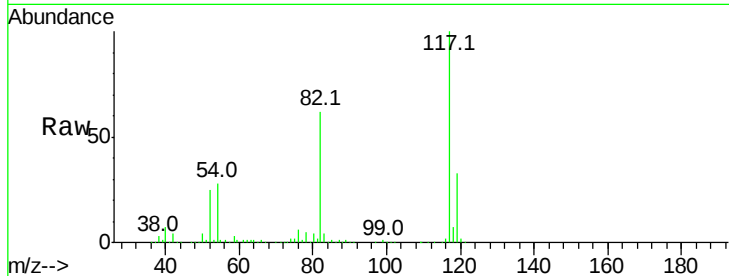


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
E057-1100DL
Acq: 16 Nov 2021 15:10

Tot Ion: 1
Ion Ratio
117 100
82 63.
119 33.

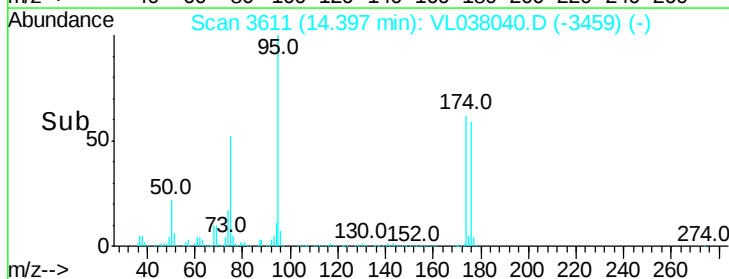
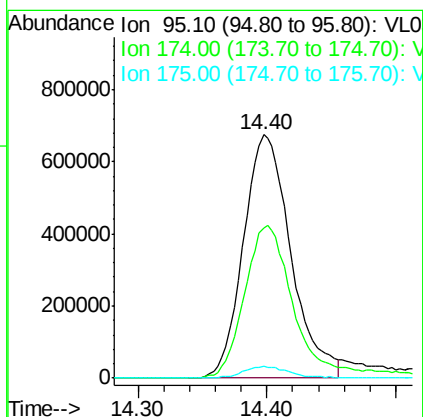
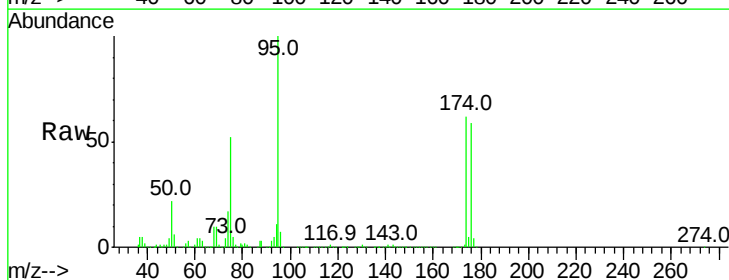
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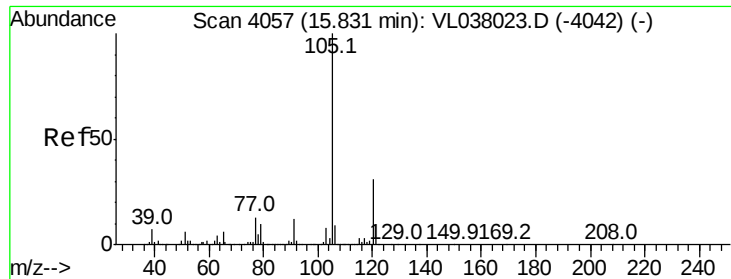
Reviewed By : Semsettin Yesilyurt 11/17/2021
Supervised By : Mahesh Dadoda 11/17/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 9.902 ppbv
RT: 14.40 min Scan# 3611
Delta R.T.: -0.01 min
Lab File: VL038040.D
Acq: 16 Nov 2021 15:10

Tgt Ion: 95 Resp: 1730753
Ion Ratio Lower Upper
95 100
174 68.7 55.0 82.6
175 4.9 4.2 6.2





#72

4-Ethyltoluene

Concen: 17.945 ppbv

RT: 15.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 15:10

Tot Ion:1

Ion Ratio

105 100

120 32.

91 12.

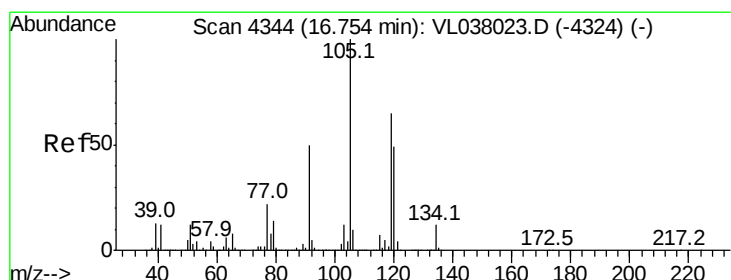
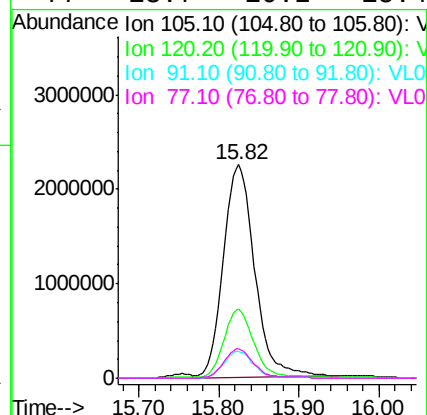
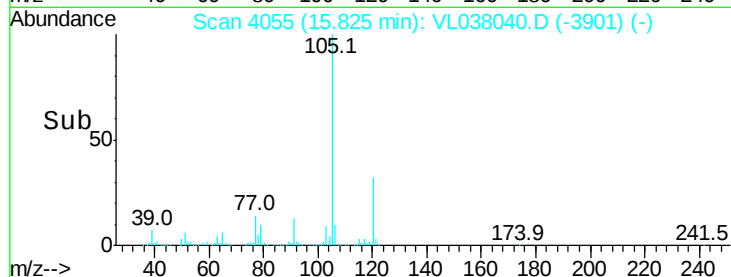
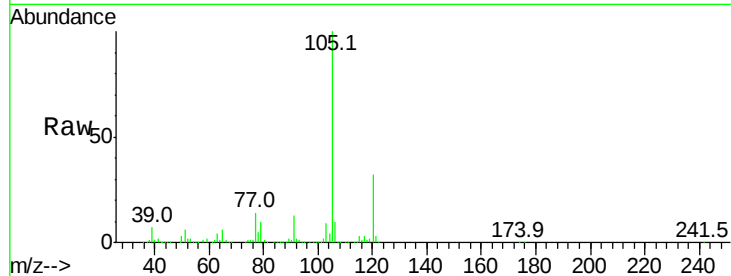
77 13.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#74

1,2,4-Trimethylbenzene

Concen: 16.445 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL038040.D

Acq: 16 Nov 2021 15:10

Tgt Ion:105 Resp: 5117764

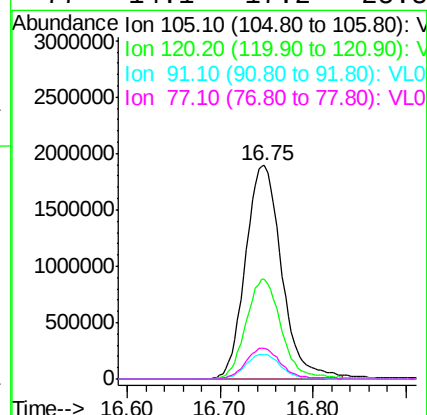
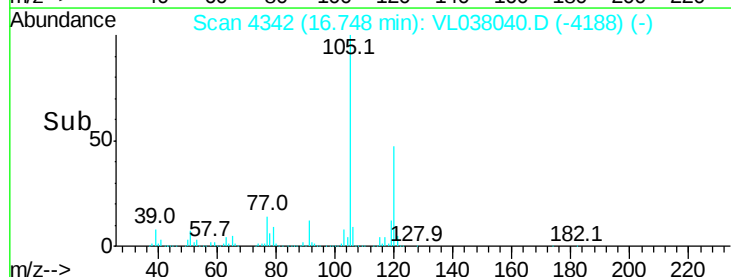
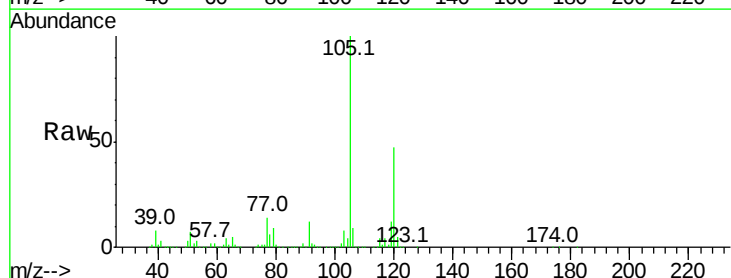
Ion Ratio Lower Upper

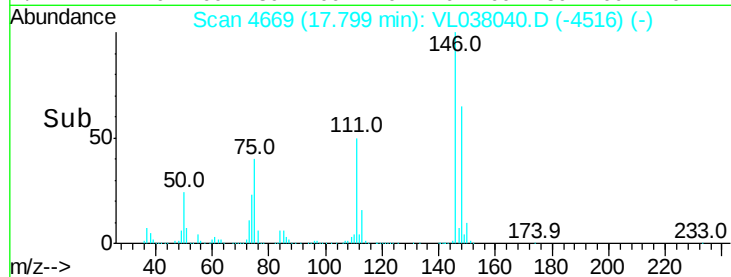
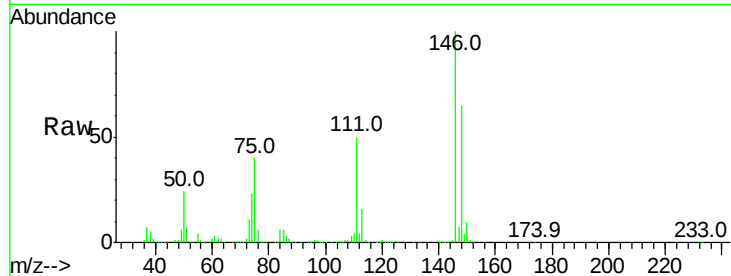
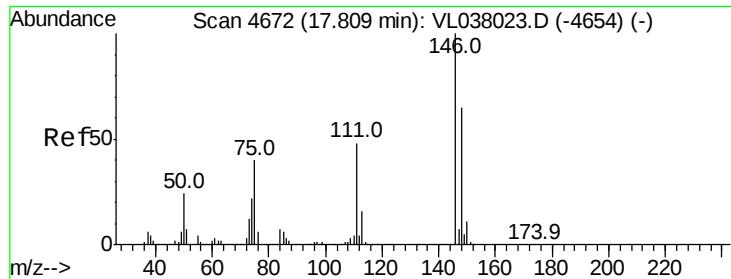
105 100

120 46.6 39.5 59.3

91 11.6 40.9 61.3#

77 14.1 17.2 25.8#





#77
 1,2-Dichlorobenzene
 Concen: 15.043 ppbv
 RT: 17.80
 Instrument : MSVOA_L
 Delta R.T :
 Lab File: ClientSampleId :
 E057-1100DL
 Acq: 16 Nov 2021 13:10

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

