

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038073.D
 Acq On : 19 Nov 2021 3:34
 Operator : SY/AP
 Sample : M4751-02 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SVP-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 25 20:53:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	802424	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2302976	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1945355	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1542498	10.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.90%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	7473	0.133	ppbv #	83
9) Propene	3.01	41	38038	0.613	ppbv	98
10) Heptane	8.12	43	22709m	0.148	ppbv	
13) Ethanol	3.61	45	45622m	7.607	ppbv	
15) Acetone	3.85	43	1949106	28.016	ppbv	99
16) 1,3-Butadiene	3.33	39	11143m	0.205	ppbv	
19) Isopropyl Alcohol	3.97	45	104089	2.071	ppbv #	95
22) trans-1,2-Dichloroethene	4.89	96	5642m	0.136	ppbv	
29) Chloroform	5.75	83	54726	0.333	ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	548173	5.171	ppbv	97
34) 2-Butanone	5.25	43	217726	2.345	ppbv	100
36) Benzene	6.88	78	129901	0.565	ppbv	98
38) Trichloroethene	7.83	130	2164450	24.978	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	237099	1.681	ppbv	98
52) Tetrachloroethene	11.30	164	30155152	354.758	ppbv	87
53) Toluene	9.80	91	111853m	0.423	ppbv	
59) m/p-Xylene	12.96	91	48498m	0.179	ppbv	
61) Styrene	13.52	104	21442m	0.159	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	41329m	0.155	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	36184	0.132	ppbv #	74

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

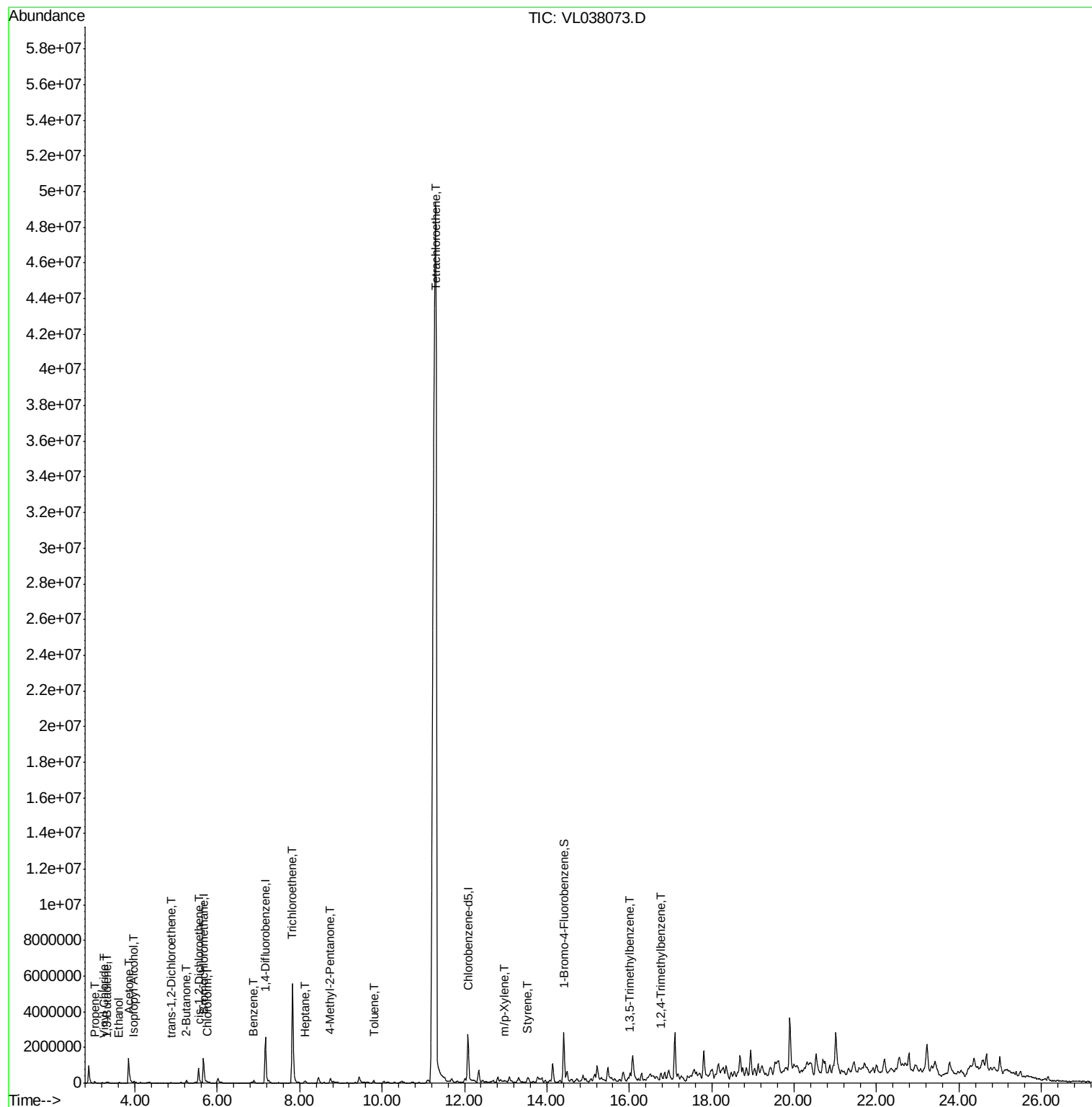
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Data File : VL038073.D
Acq On : 19 Nov 2021 3:34
Operator : SY/AP
Sample : M4751-02 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

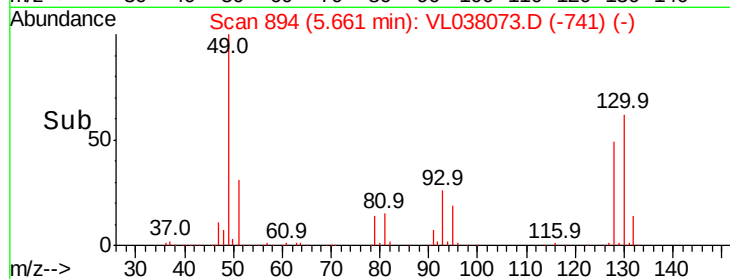
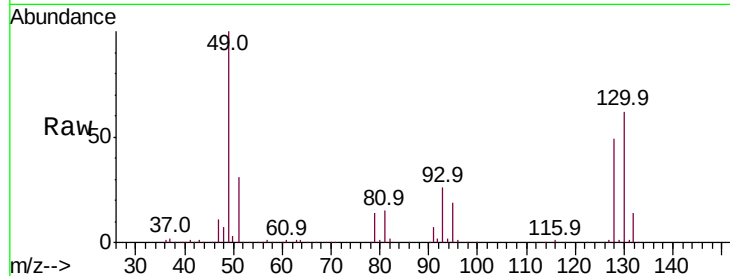
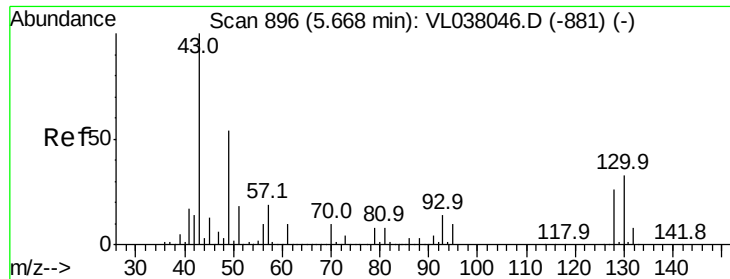
Instrument :
MSVOA_L
ClientSampleId :
SVP-2

Quant Time: Nov 25 20:53:32 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration

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Supervised By :Mahesh Dadoda 11/29/2021



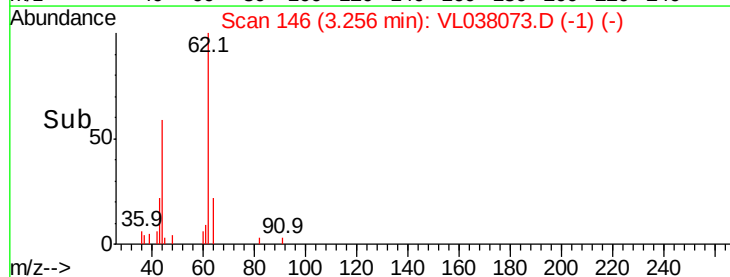
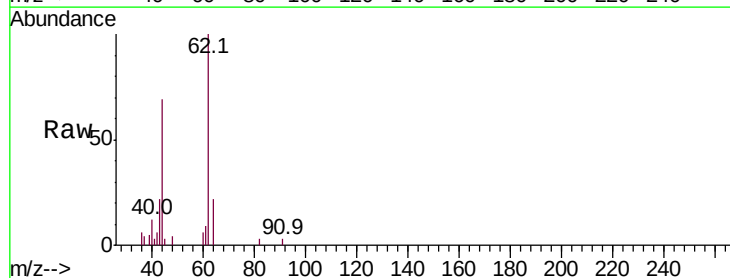
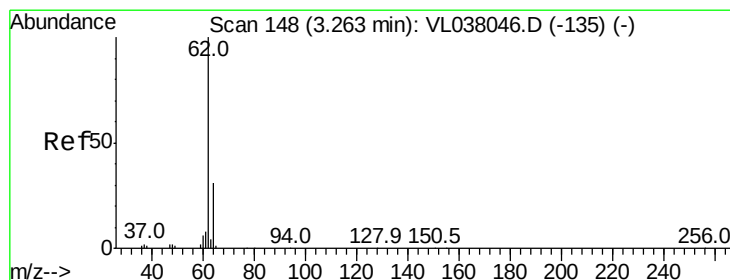
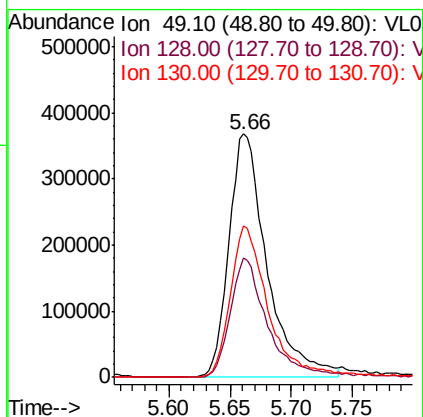


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 3:34

Tot Ion:
Ion Ratio
49 100
128 48.
130 62.

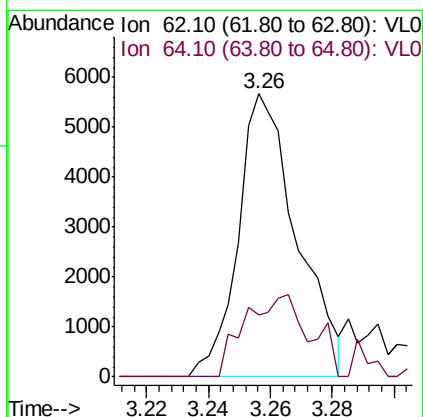
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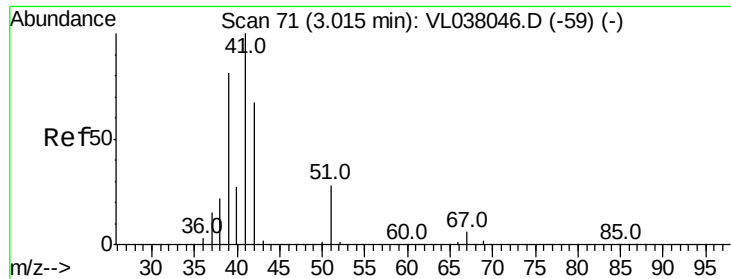
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#5
Vinyl Chloride
Concen: 0.133 ppbv
RT: 3.26 min Scan# 146
Delta R.T. -0.01 min
Lab File: VL038073.D
Acq: 19 Nov 2021 3:34

Tgt Ion: 62 Resp: 7473
Ion Ratio Lower Upper
62 100
64 21.9 25.1 37.7#



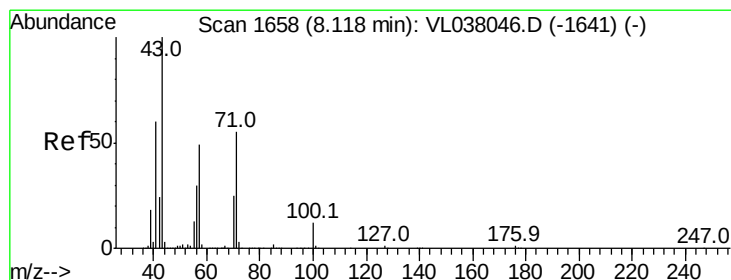
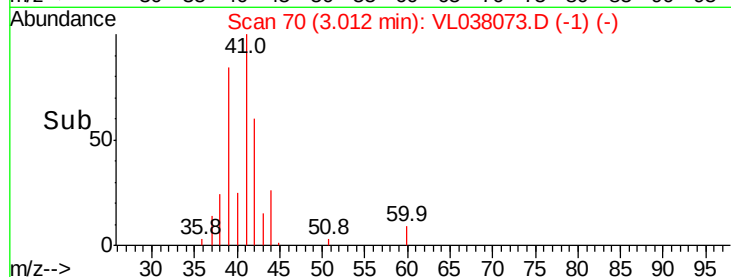
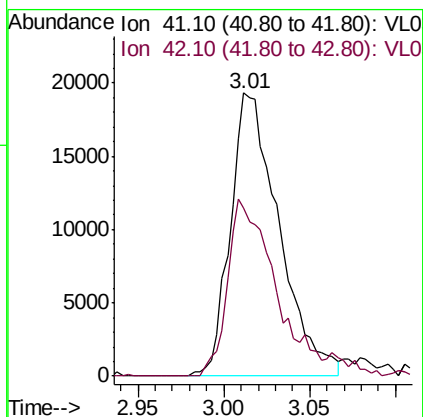
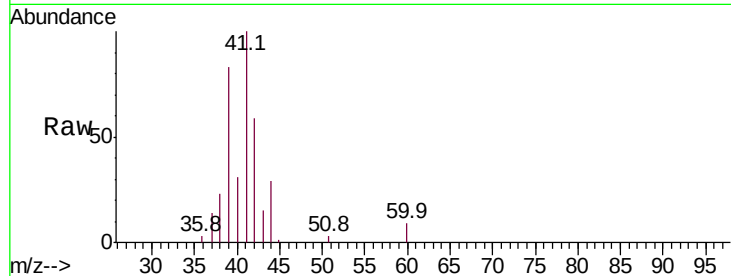


#9
 Propene
 Concen: 0.613 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Nov 2021 3:34

Tot Ion:
 Ion Ratio
 41 100
 42 65.

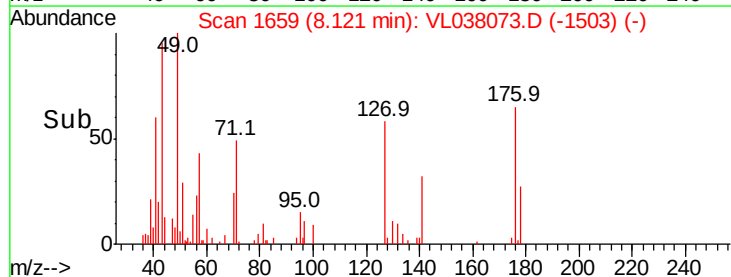
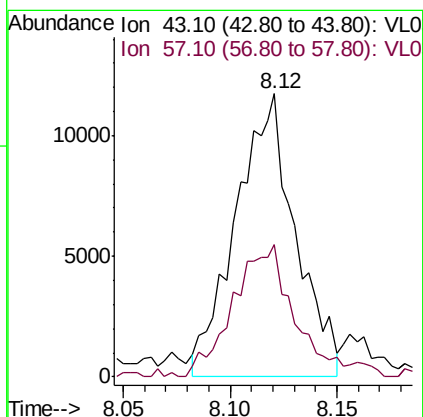
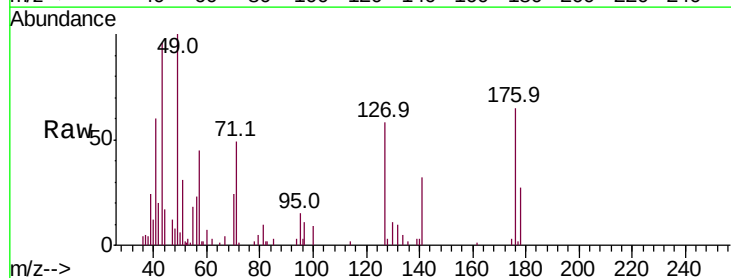
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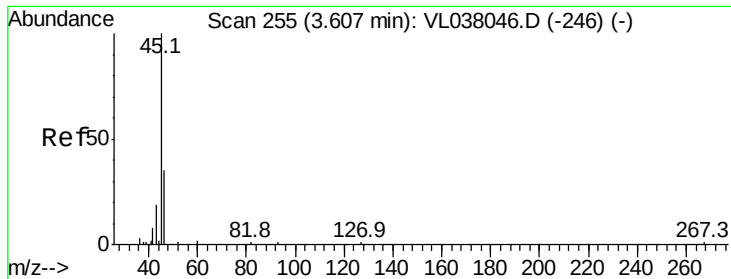
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#10
 Heptane
 Concen: 0.148 ppbv m
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VL038073.D
 Acq: 19 Nov 2021 3:34

Tgt Ion: 43 Resp: 22709
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.4 60.6#



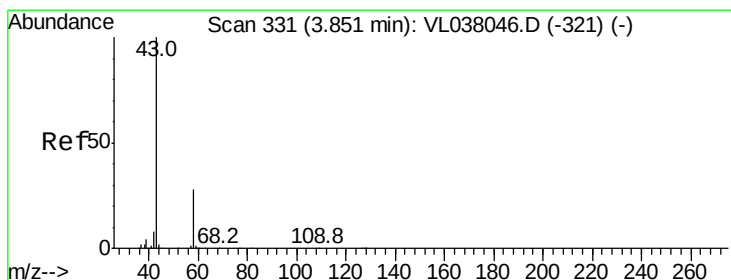
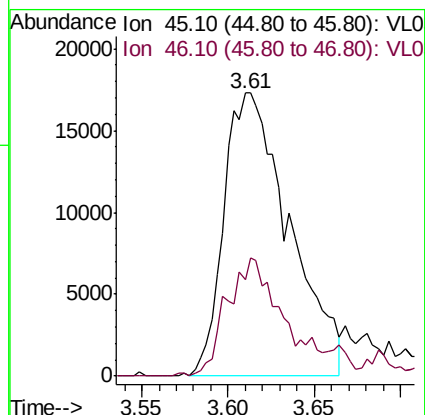
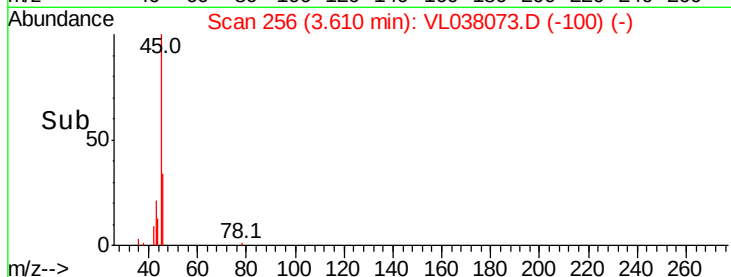
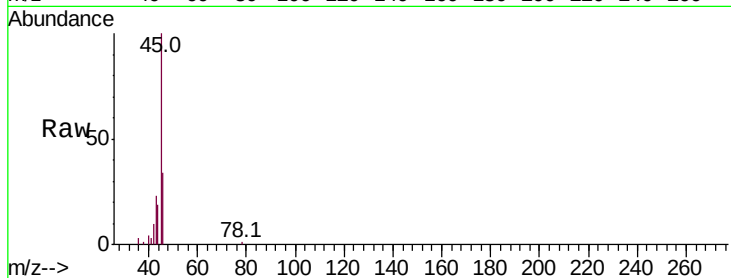


#13
Ethanol
Concen: 7.607 ppbv m
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 3:34

Tot Ion:
Ion Ratio
45 100
46 44.

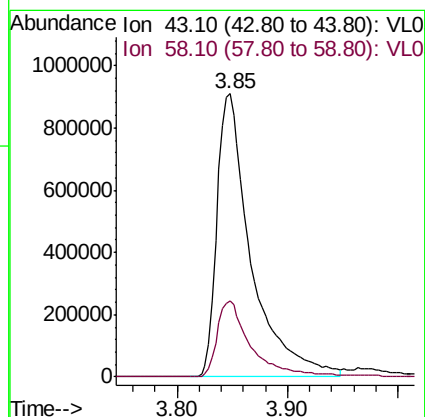
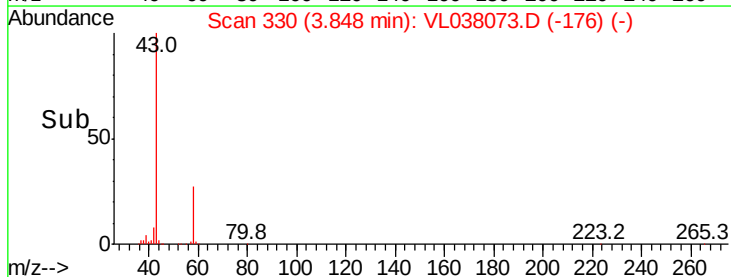
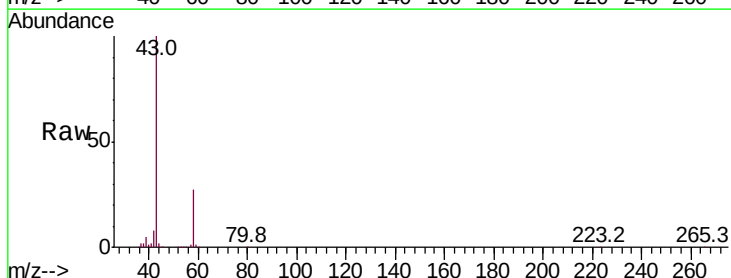
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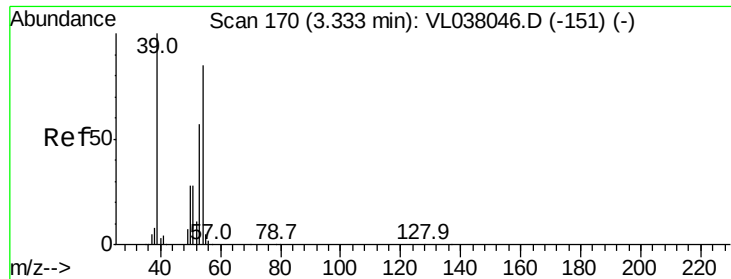
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#15
Acetone
Concen: 28.016 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL038073.D
Acq: 19 Nov 2021 3:34

Tgt Ion: 43 Resp: 1949106
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6



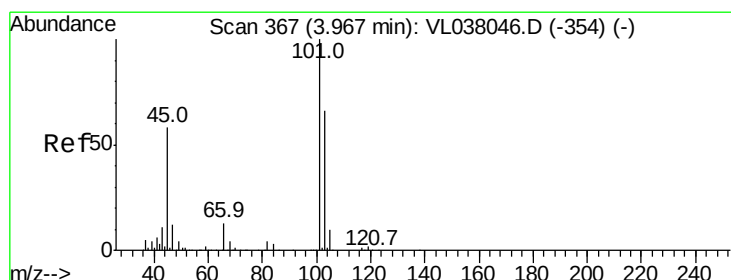
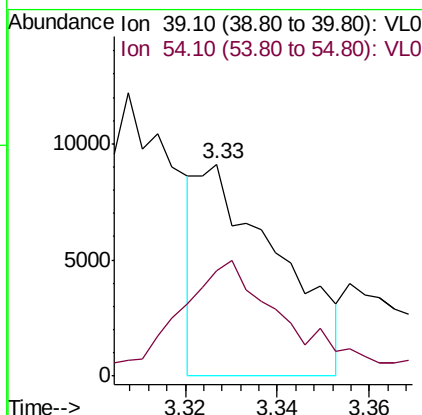
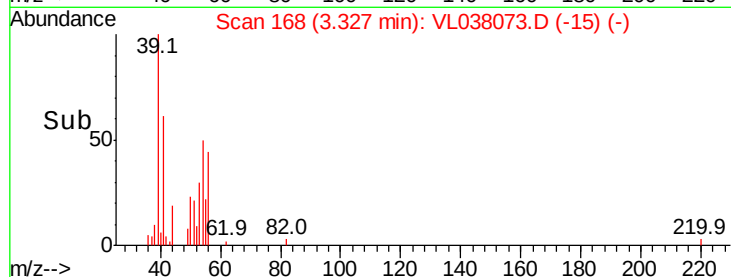
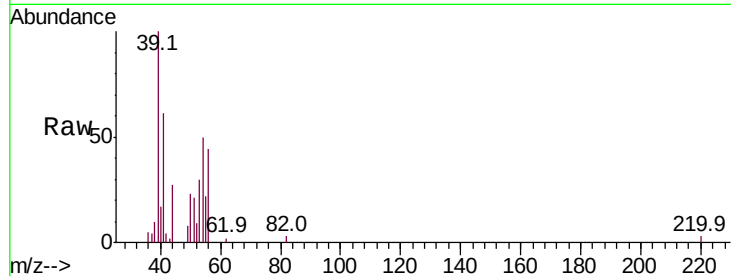


#16
 1,3-Butadiene
 Concen: 0.205 ppbv m
 RT: 3.33
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SVP-2
 Acq: 19 Nov 2021 3:34

Tot Ion:
 Ion Ratio
 39 100
 54 83.

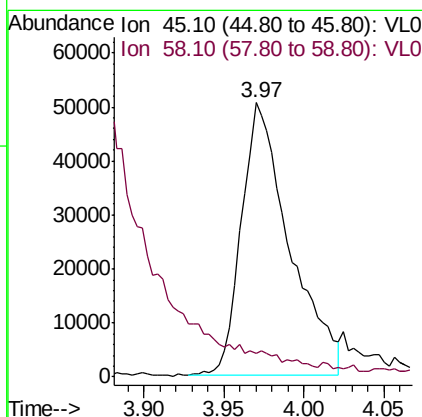
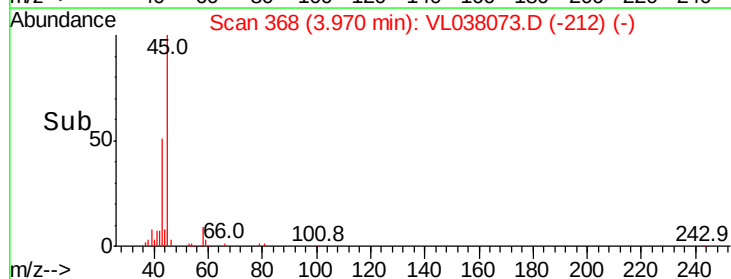
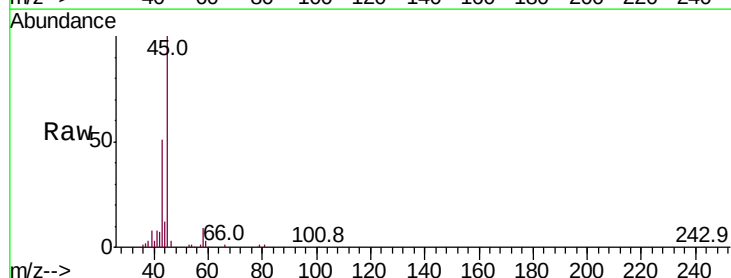
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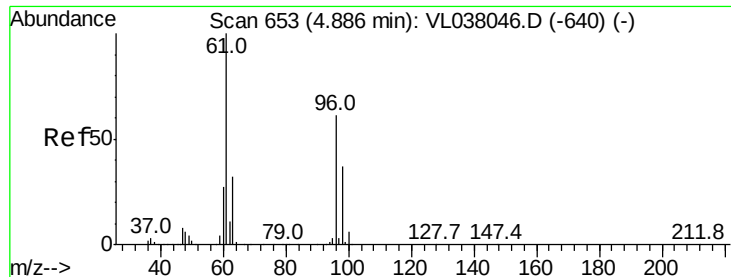
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#19
 Isopropyl Alcohol
 Concen: 2.071 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VL038073.D
 Acq: 19 Nov 2021 3:34

Tgt Ion: 45 Resp: 104089
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.0#





#22

trans-1,2-Dichloroethene

Concen: 0.136 ppbv m

RT: 4.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 3:34

Tot Ion:

Ion Ratio

96 100

61 152.

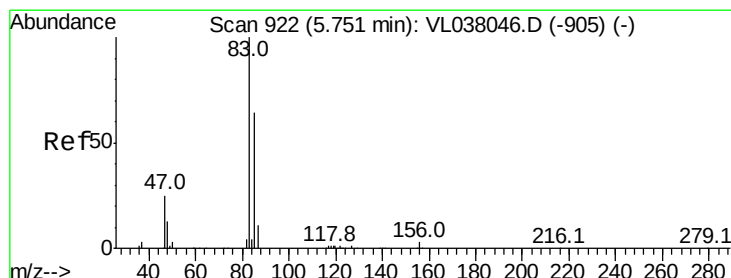
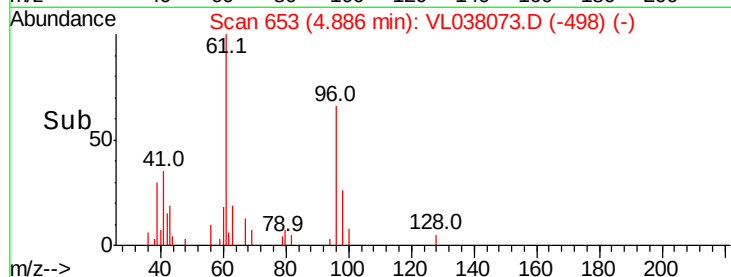
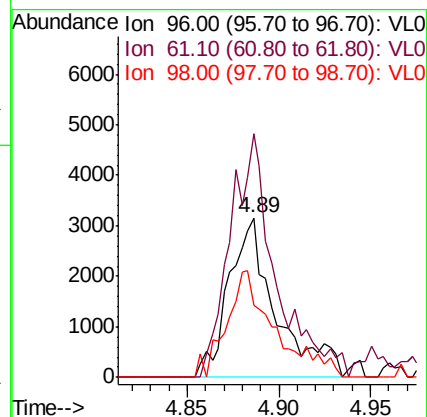
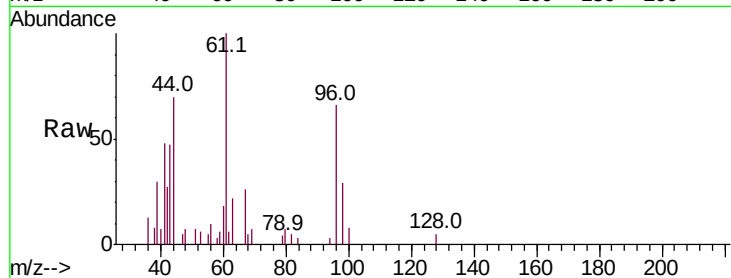
98 44.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#29

Chloroform

Concen: 0.333 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL038073.D

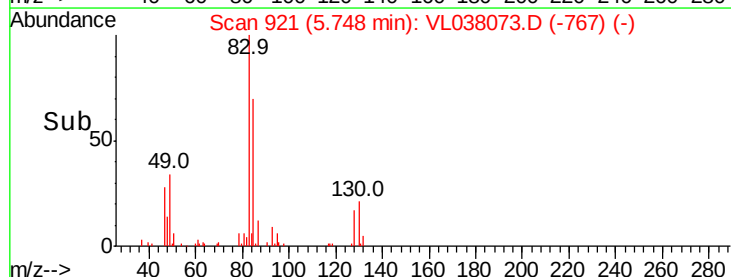
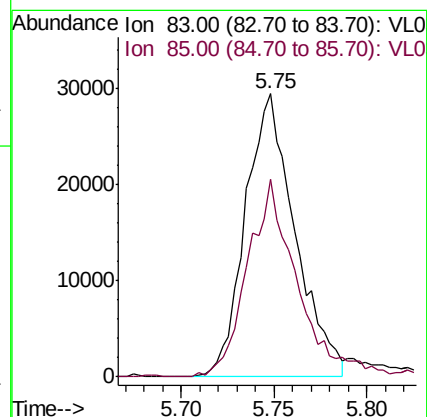
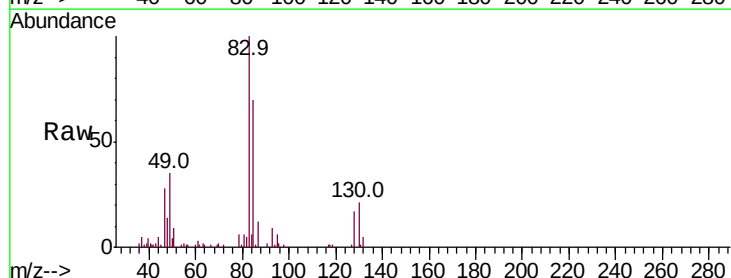
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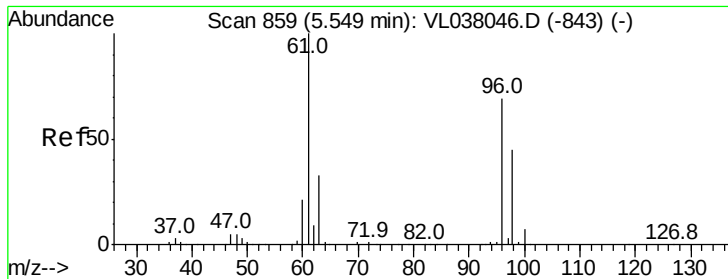
Tgt Ion: 83 Resp: 54726

Ion Ratio Lower Upper

83 100

85 69.9 51.0 76.6





#31

cis-1,2-Dichloroethene

Concen: 5.171 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId :

Acq: 19 Nov 2021 3:34

Tot Ion:

Ion Ratio

61 100

96 66.

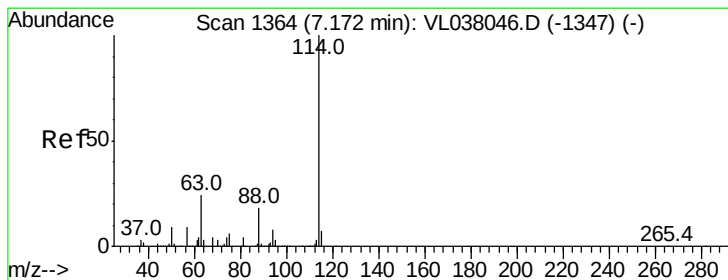
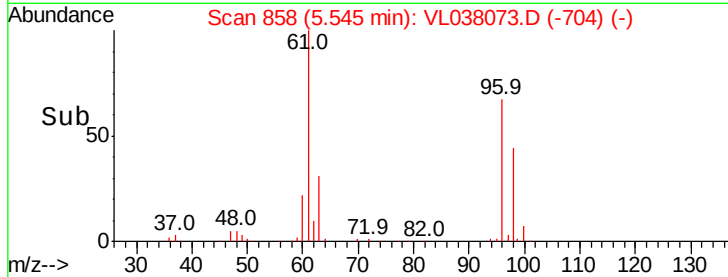
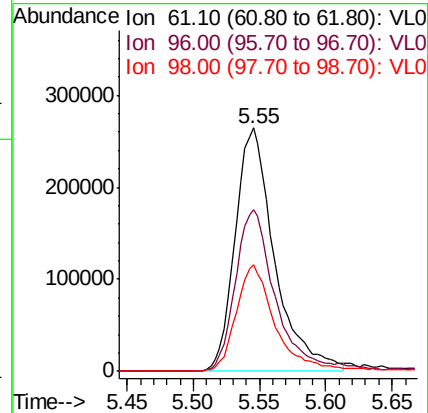
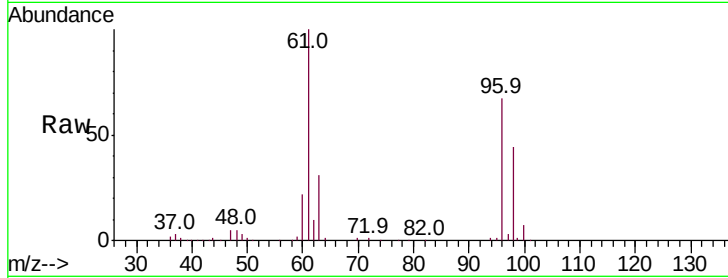
98 43.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL038073.D

Acq: 19 Nov 2021 3:34

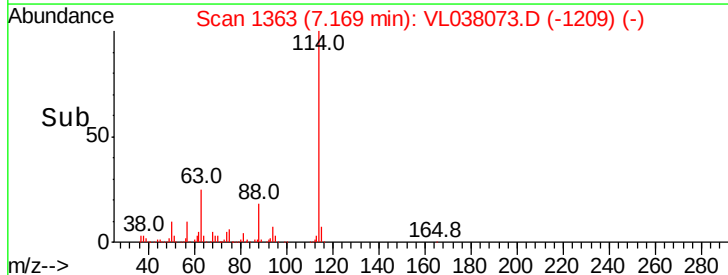
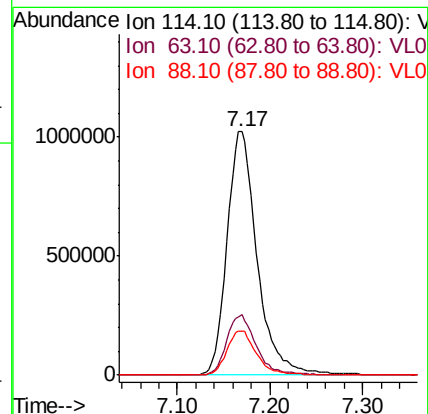
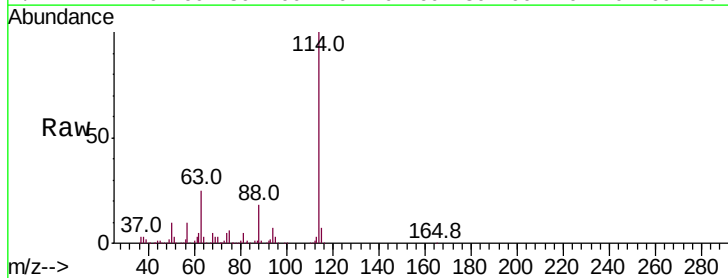
Tgt Ion:114 Resp: 2302976

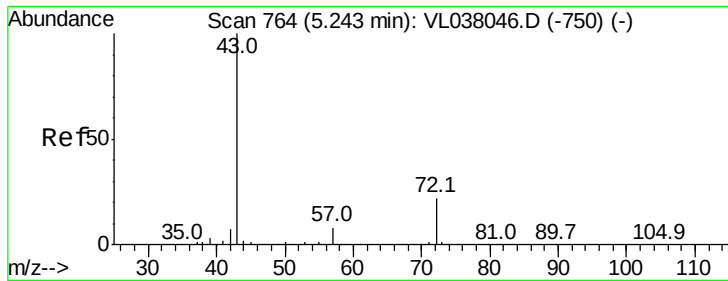
Ion Ratio Lower Upper

114 100

63 24.8 19.7 29.5

88 18.2 14.4 21.6



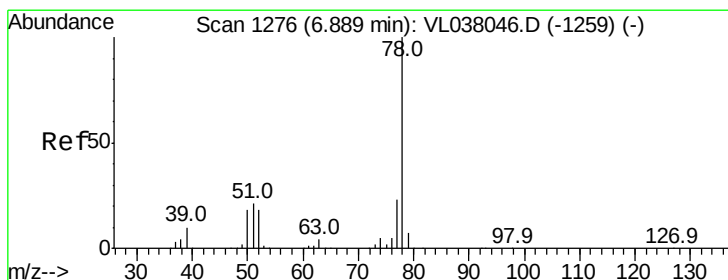
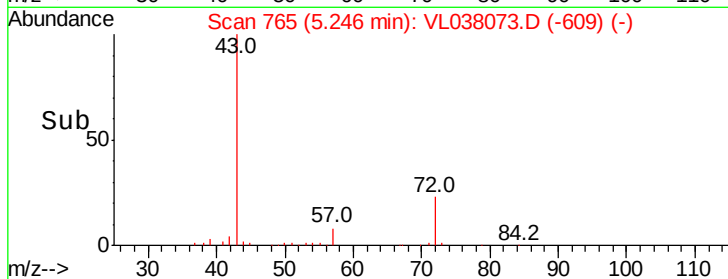
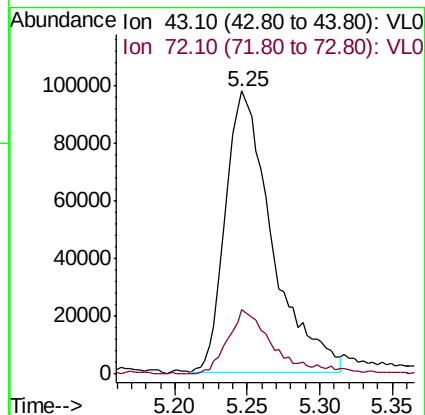
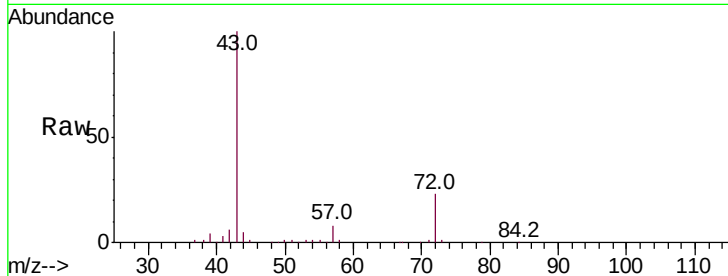


#34
2-Butanone
Concen: 2.345 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 3:34

Tot Ion:
Ion Ratio
43 100
72 23.

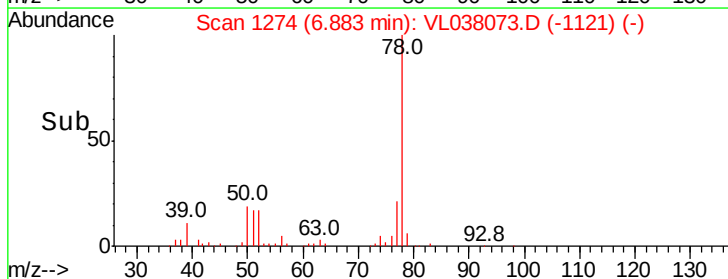
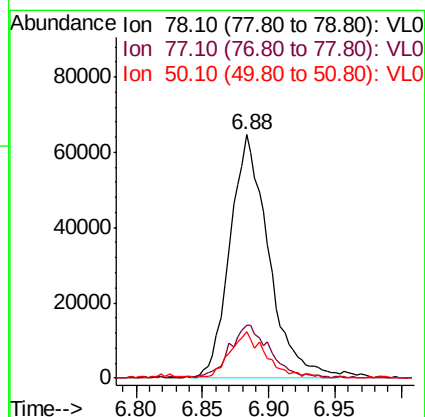
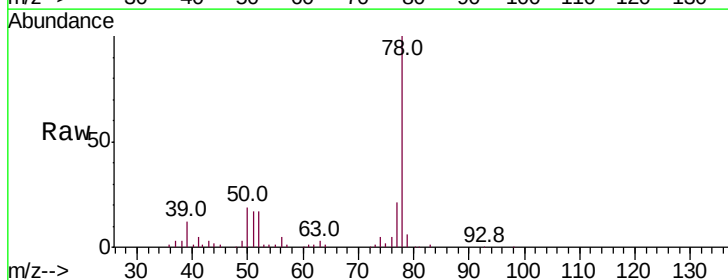
Manual Integrations
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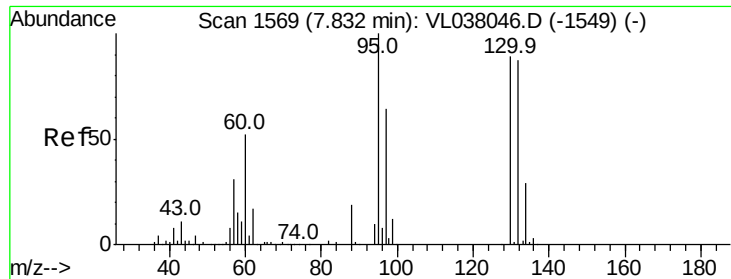
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#36
Benzene
Concen: 0.565 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL038073.D
Acq: 19 Nov 2021 3:34

Tgt Ion: 78 Resp: 129901
Ion Ratio Lower Upper
78 100
77 20.9 18.2 27.4
50 18.7 14.7 22.1



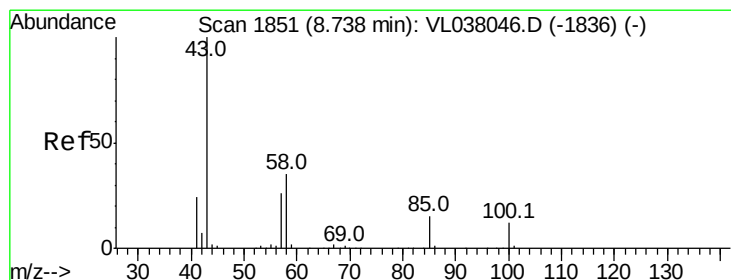
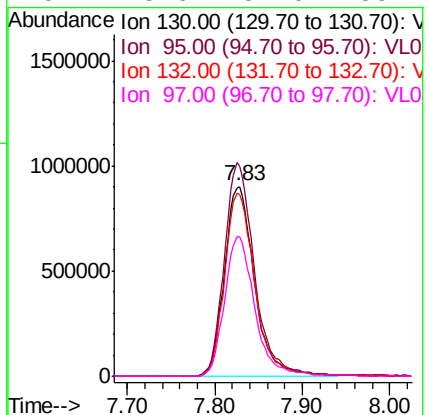
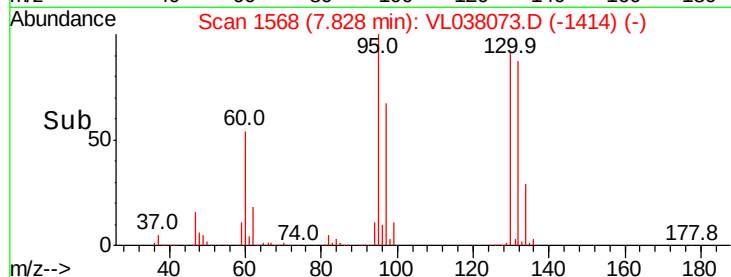
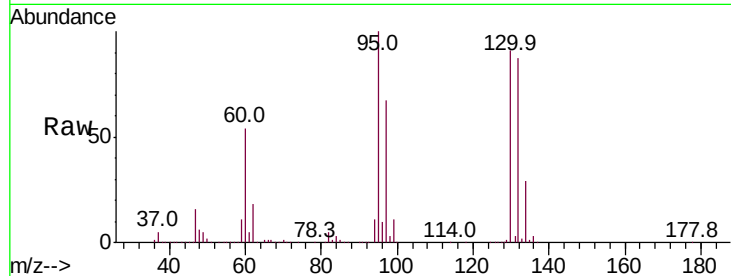


#38
 Trichloroethene
 Concen: 24.978 ppbv
 RT: 7.83
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SVP-2
 Acq: 19 Nov 2021 3:34

Tot Ion: 1
 Ion Ratio
 130 100
 95 110.
 132 95.
 97 73.6 57.0 85.4

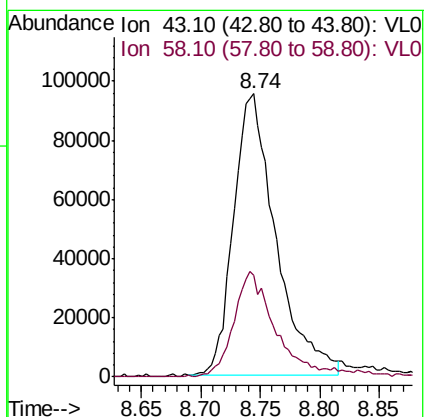
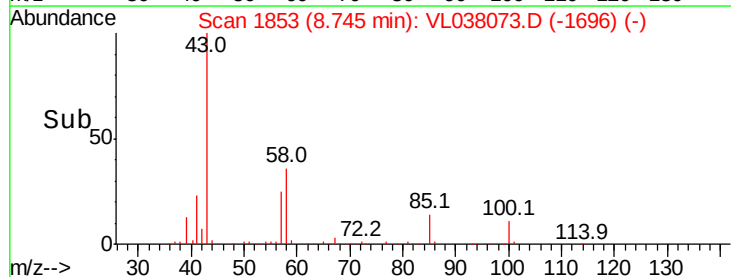
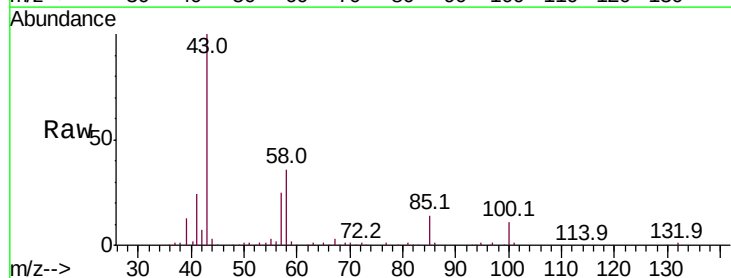
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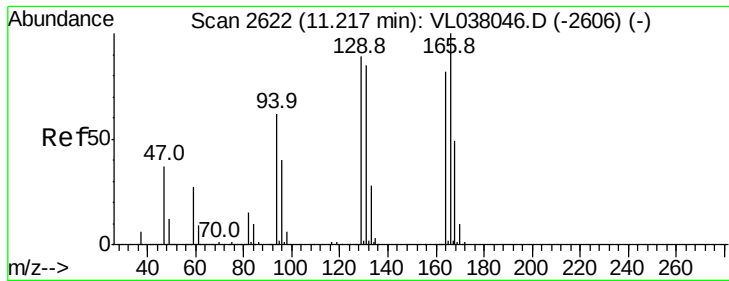
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#50
 4-Methyl-2-Pentanone
 Concen: 1.681 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. 0.01 min
 Lab File: VL038073.D
 Acq: 19 Nov 2021 3:34

Tgt Ion: 43 Resp: 237099
 Ion Ratio Lower Upper
 43 100
 58 37.8 29.4 44.2





#52

Tetrachloroethene

Concen: 354.758 ppbv

RT: 11.30

Delta R.T. MSVOA_L

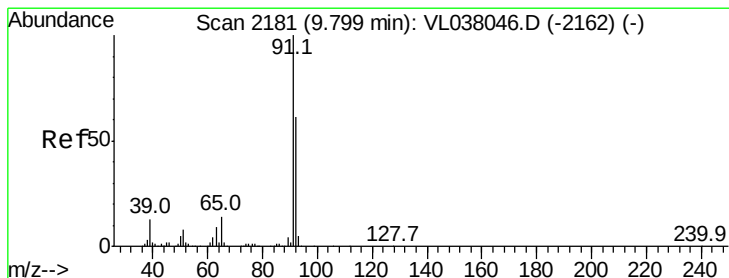
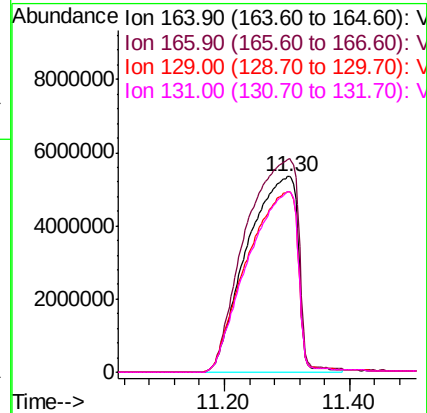
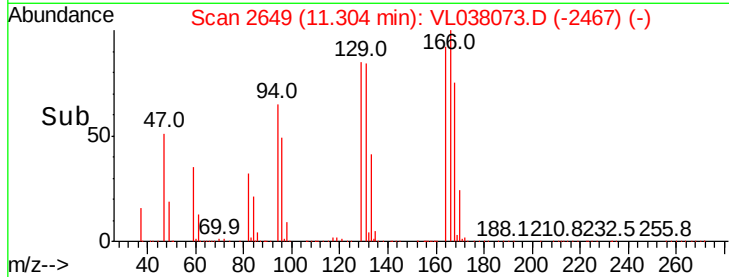
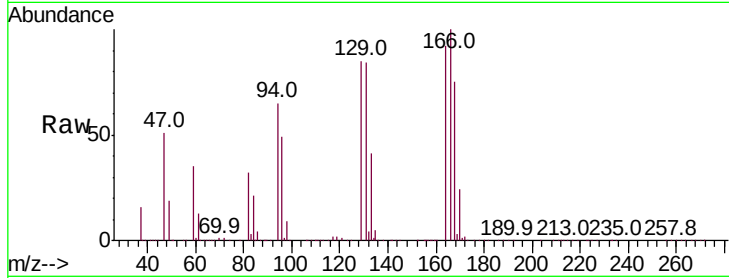
Lab File: ClientSampleId :

Acq: 19 Nov 2021 3:34

Tot Ion:1
Ion Rati
164 100
166 109.
129 92.
131 92.1 82.8 124.2

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Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#53

Toluene

Concen: 0.423 ppbv m

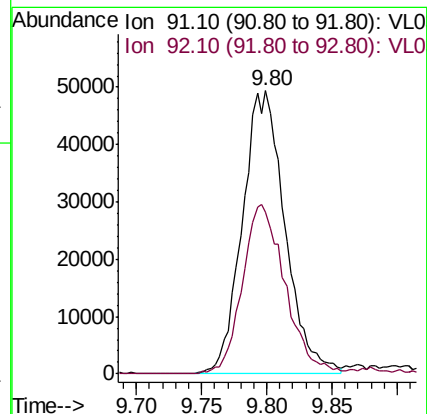
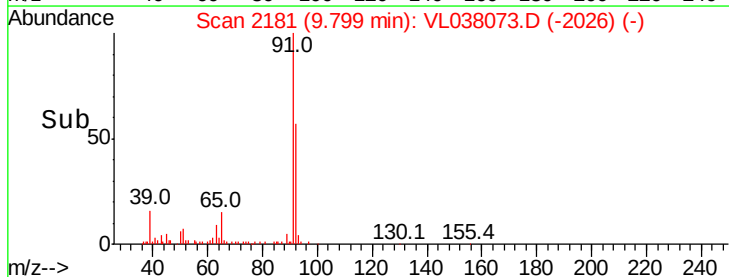
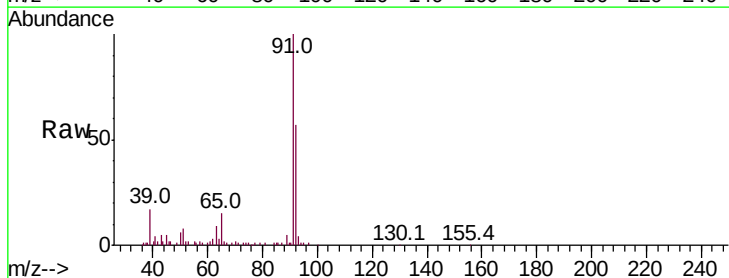
RT: 9.80 min Scan# 2181

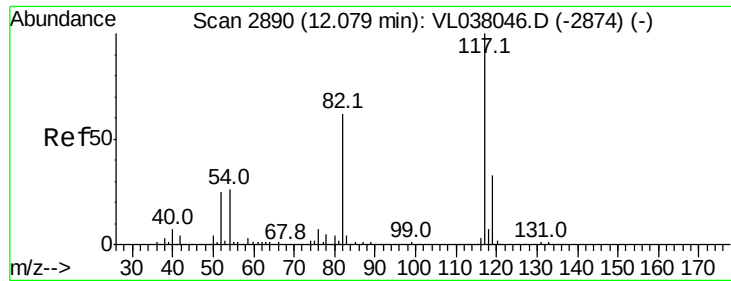
Delta R.T. -0.00 min

Lab File: VL038073.D

Acq: 19 Nov 2021 3:34

Tgt Ion: 91 Resp: 111853
Ion Ratio Lower Upper
91 100
92 0.0 49.7 74.5#



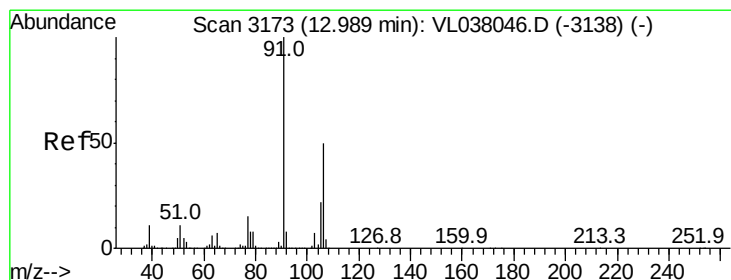
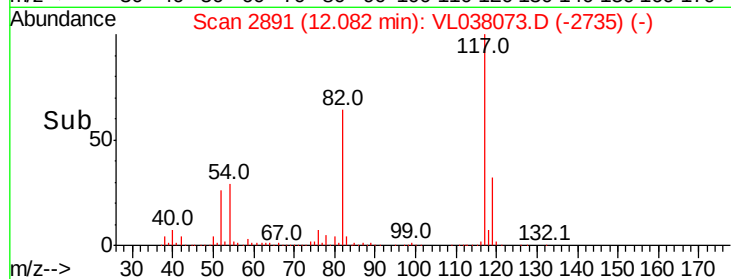
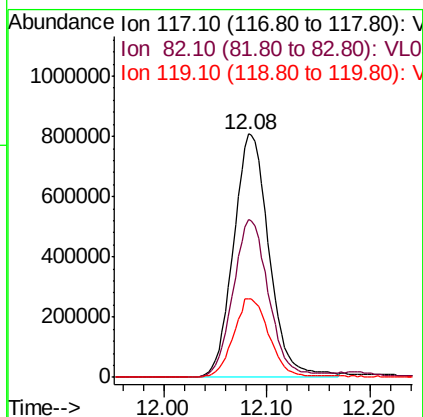
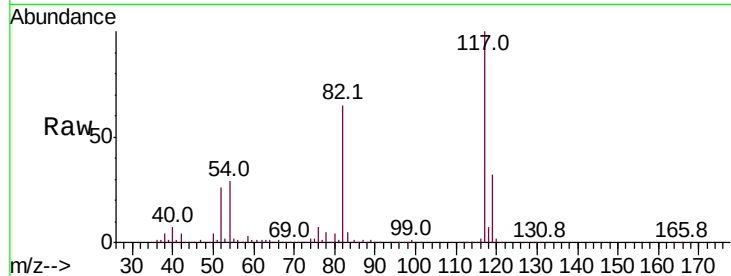


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 3:34

Tot Ion: 1
Ion Ratio
117 100
82 65.
119 33.

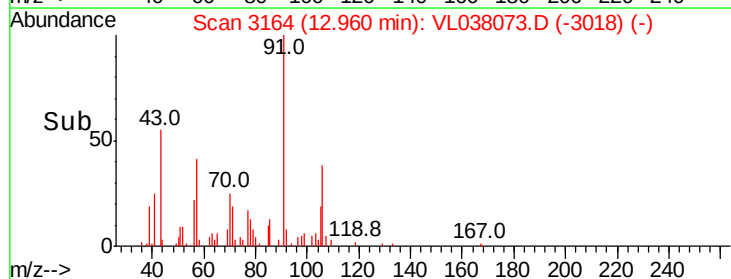
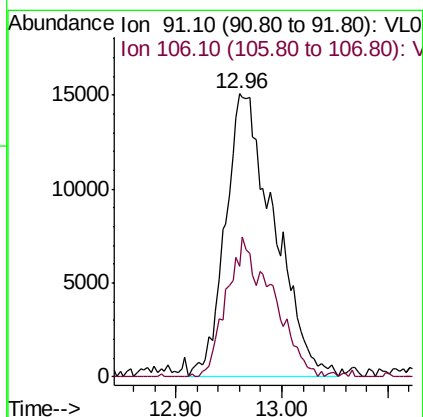
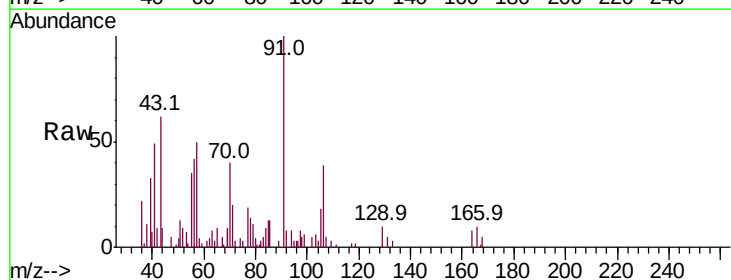
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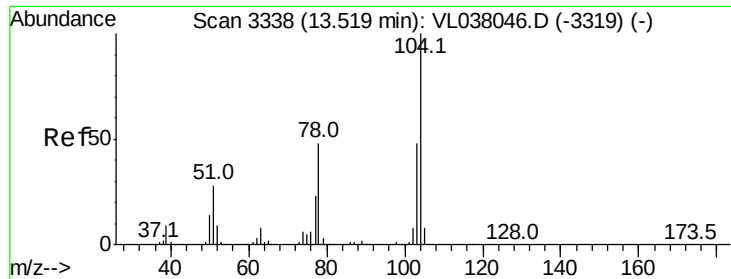
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#59
m/p-Xylene
Concen: 0.179 ppbv m
RT: 12.96 min Scan# 3164
Delta R.T. -0.03 min
Lab File: VL038073.D
Acq: 19 Nov 2021 3:34

Tgt Ion: 91 Resp: 48498
Ion Ratio Lower Upper
91 100
106 0.0 38.1 57.1#



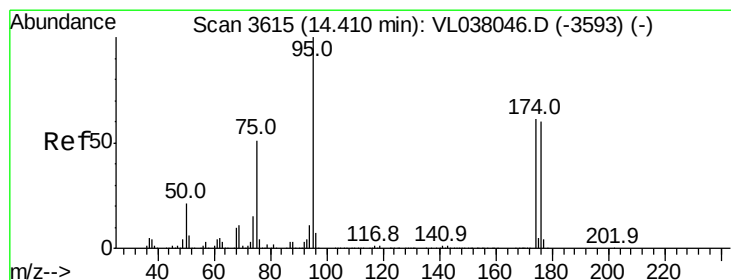
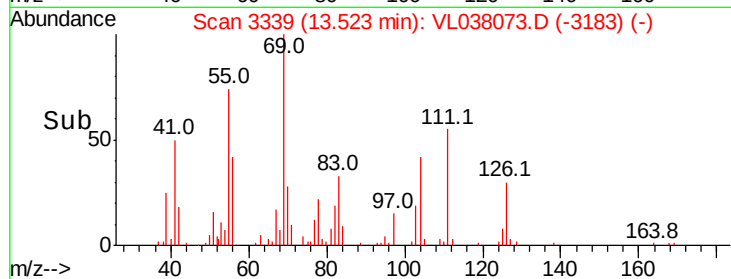
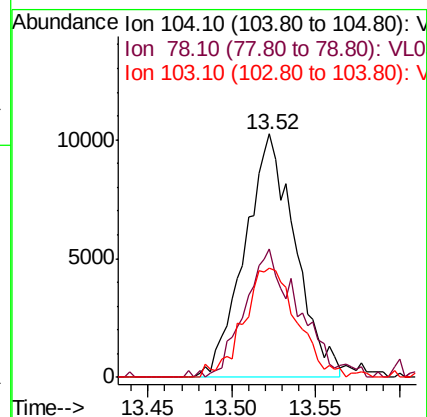
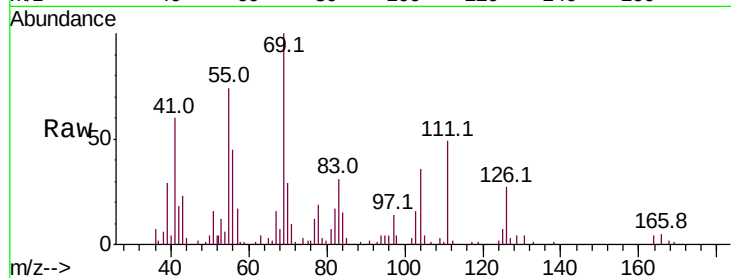


#61
Stvrene
Concen: 0.159 ppbv m
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 3:34

Tot Ion:1
Ion Rati
104 100
78 57.
103 48.

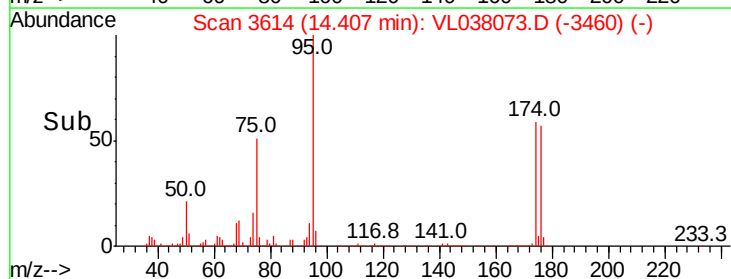
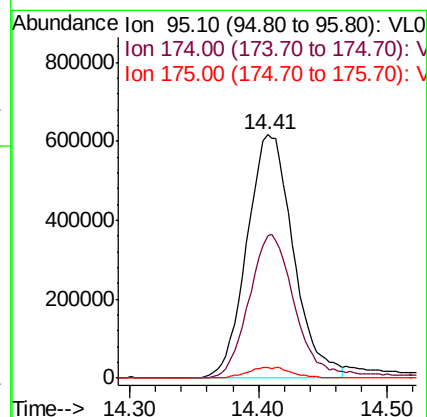
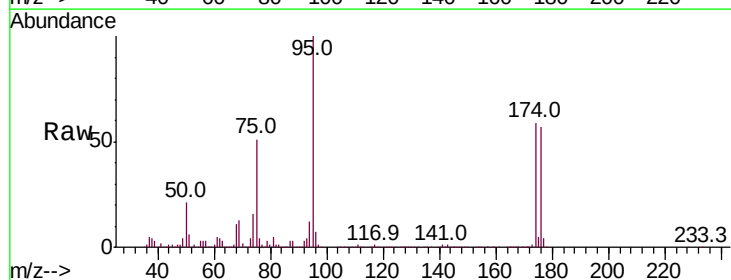
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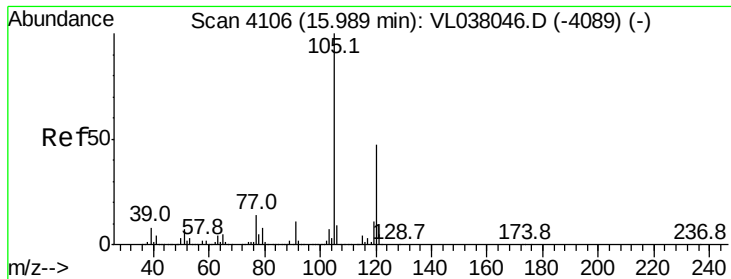
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#68
1-Bromo-4-Fluorobenzene
Concen: 10.993 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.00 min
Lab File: VL038073.D
Acq: 19 Nov 2021 3:34

Tgt Ion: 95 Resp: 1542498
Ion Ratio Lower Upper
95 100
174 60.9 53.1 79.7
175 4.4 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 0.155 ppbv m

RT: 15.99

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 19 Nov 2021 3:34

Tot Ion:1

Ion Rati

105 100

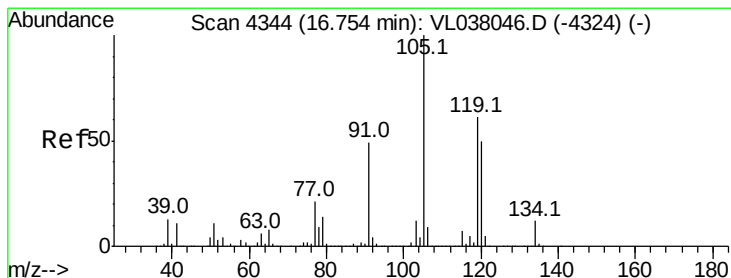
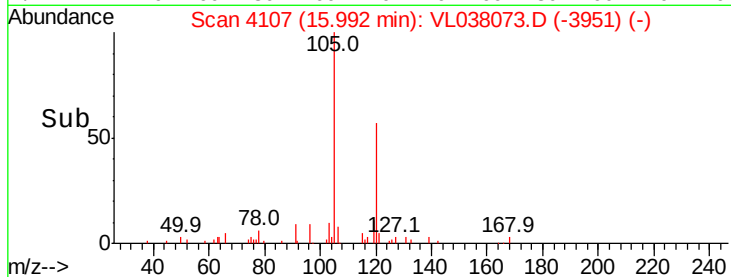
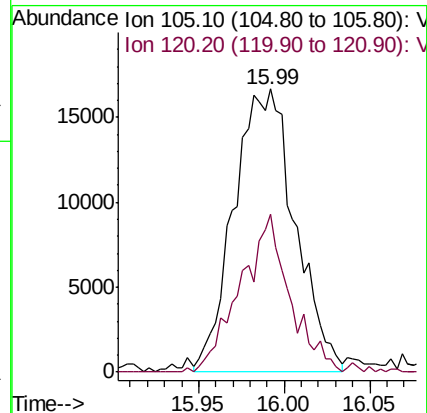
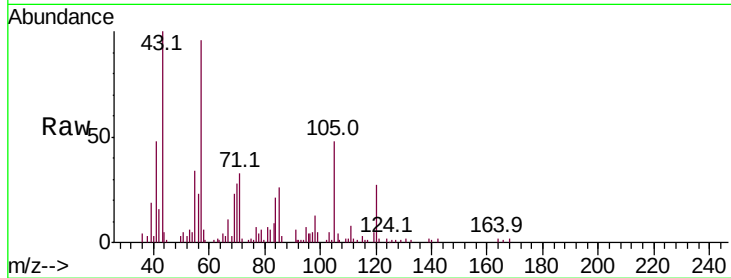
120 55.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#74

1,2,4-Trimethylbenzene

Concen: 0.132 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.00 min

Lab File: VL038073.D

Acq: 19 Nov 2021 3:34

Tgt Ion:105 Resp: 36184

Ion Ratio Lower Upper

105 100

120 43.0 40.1 60.1

91 17.1 39.8 59.8#

77 14.6 16.6 25.0#

