

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038502.D
 Acq On : 3 Mar 2022 3:59
 Operator : SY/AP
 Sample : N1754-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022

Quant Time: Mar 03 05:19:03 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	878804	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	1945365	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	1800433	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1485829	9.97	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	80255	0.577	ppbv	92
3) Chlorodifluoromethane	3.00	51	801500	5.165	ppbv	96
4) Chloromethane	3.16	50	27771	0.515	ppbv #	86
9) Propene	3.03	41	54579	1.065	ppbv #	75
11) Trichlorofluoromethane	3.97	101	27175	0.204	ppbv #	78
13) Ethanol	3.63	45	9064863	1772.779	ppbv	89
15) Acetone	3.86	43	888777	11.893	ppbv	100
17) tert-Butyl alcohol	4.32	59	27961m	0.375	ppbv	
19) Isopropyl Alcohol	3.99	45	2787246	64.406	ppbv #	99
20) Methylene Chloride	4.36	84	23337m	0.630	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	19098m	0.441	ppbv	
25) Ethyl Acetate	5.69	43	173312	0.863	ppbv #	87
34) 2-Butanone	5.26	43	42955	0.702	ppbv	92
35) Carbon Tetrachloride	7.02	117	21977	0.161	ppbv	87
36) Benzene	6.91	78	38047m	0.222	ppbv	
52) Tetrachloroethene	11.23	164	58876	1.036	ppbv	94
53) Toluene	9.82	91	462460	2.487	ppbv	99
59) m/p-Xylene	12.97	91	23980m	0.113	ppbv	
61) Styrene	13.53	104	16488m	0.179	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	23578	0.112	ppbv #	74

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\
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Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :
IA2

Manual Integrations
APPROVED

Quant Time: Mar 03 05:19:03 2022

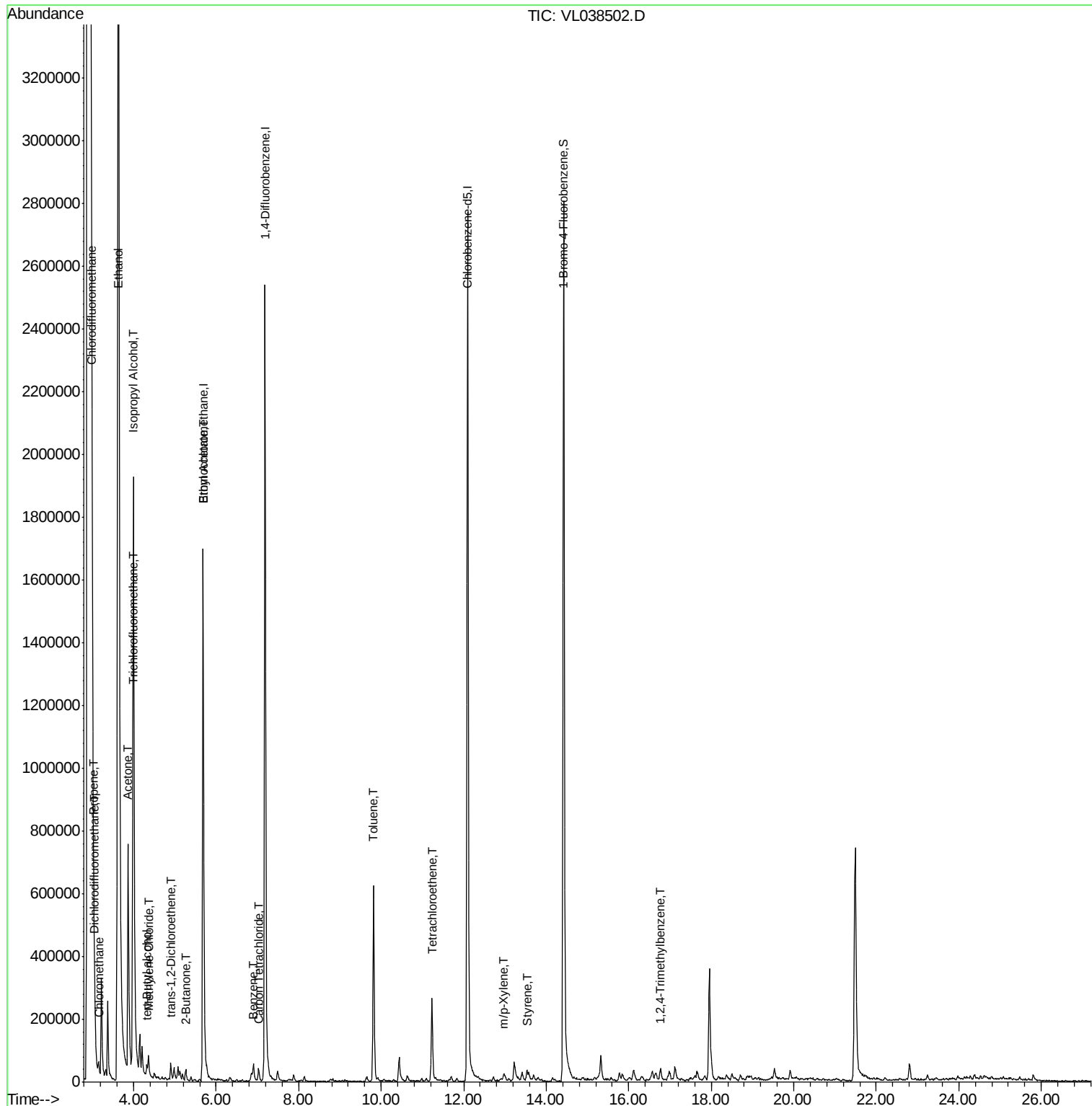
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222

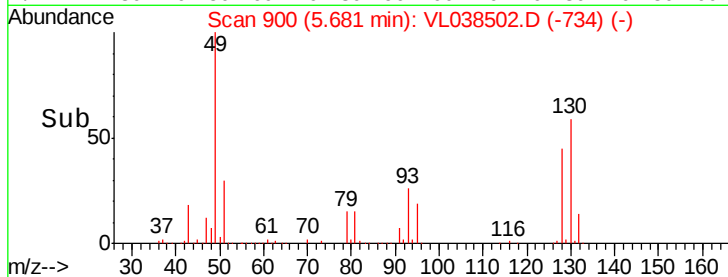
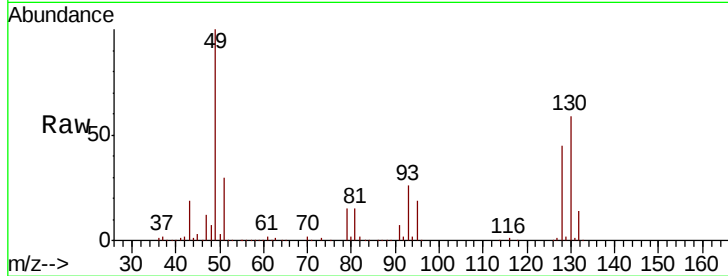
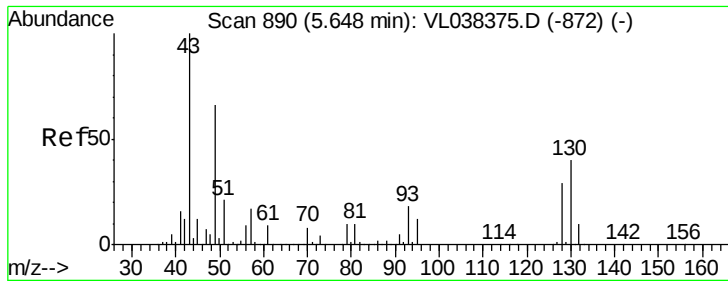
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 3:59

Tot Ion:

Ion Ratio

49 100

128 44.

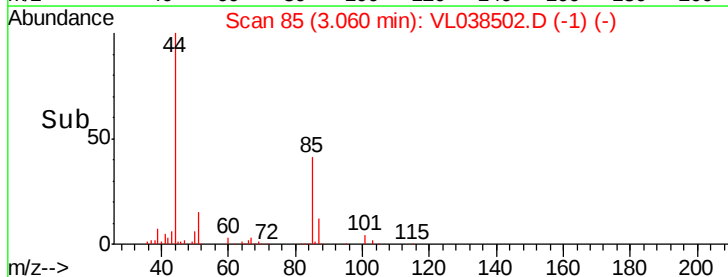
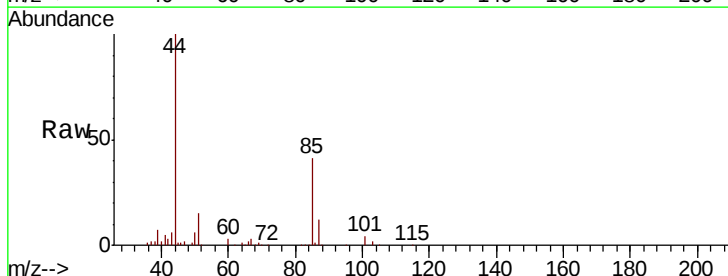
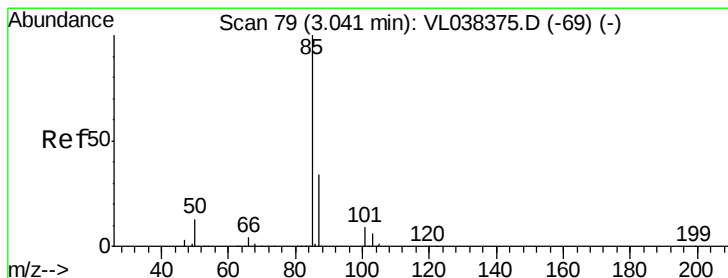
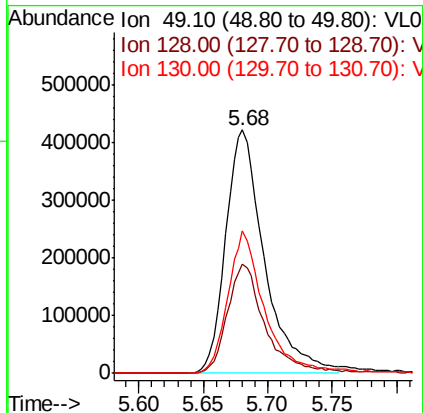
130 56.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#2

Dichlorodifluoromethane

Concen: 0.577 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038502.D

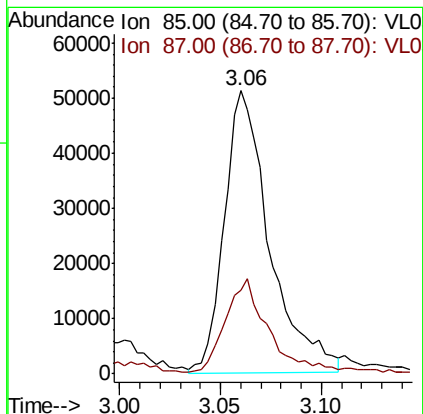
Acq: 3 Mar 2022 3:59

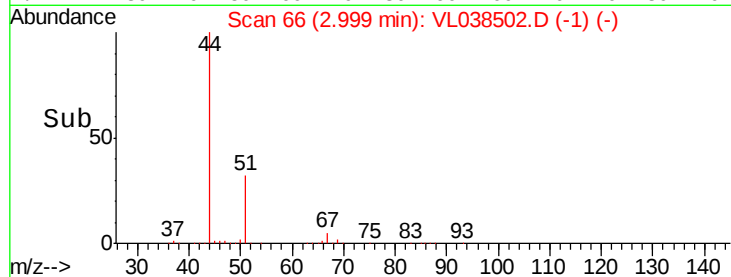
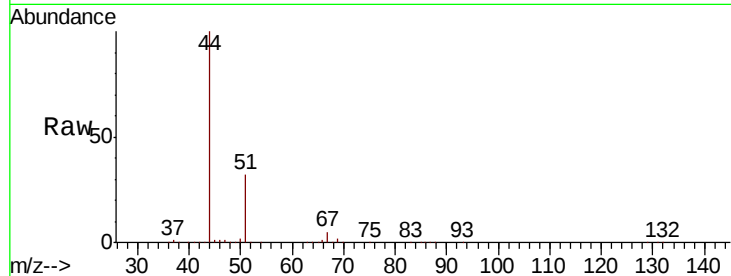
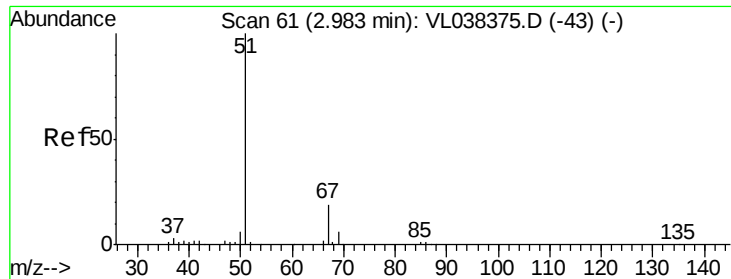
Tgt Ion: 85 Resp: 80255

Ion Ratio Lower Upper

85 100

87 29.4 27.4 41.0



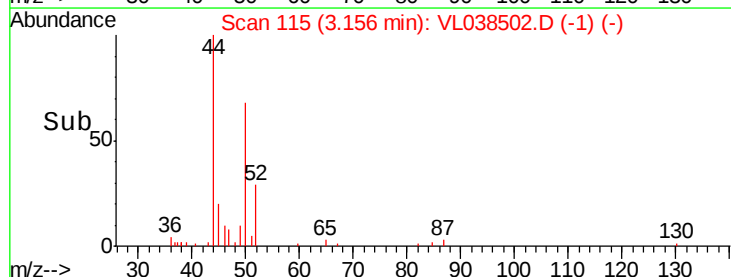
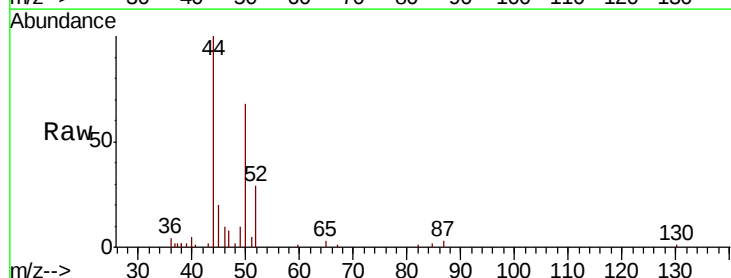
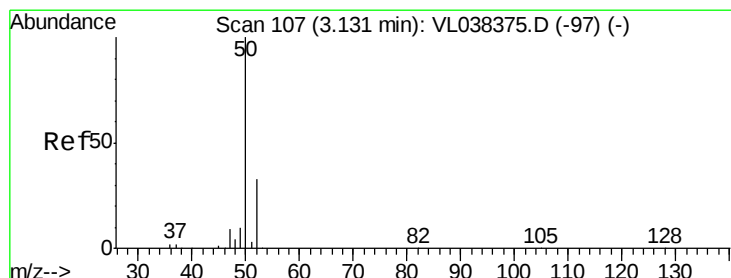
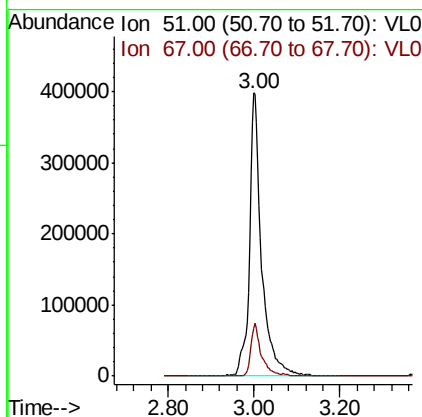


#3
Chlorodifluoromethane
Concen: 5.165 ppbv
RT: 3.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
51 100
67 16.

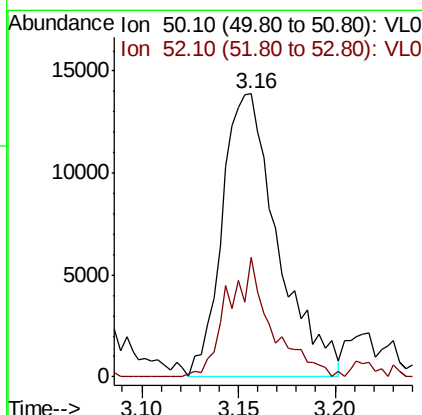
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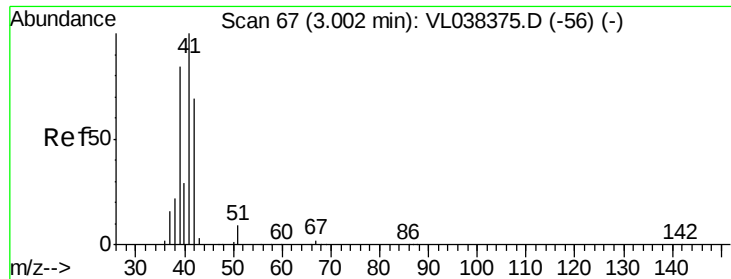
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#4
Chloromethane
Concen: 0.515 ppbv
RT: 3.16 min Scan# 115
Delta R.T. 0.03 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion: 50 Resp: 27771
Ion Ratio Lower Upper
50 100
52 41.2 26.5 39.7#



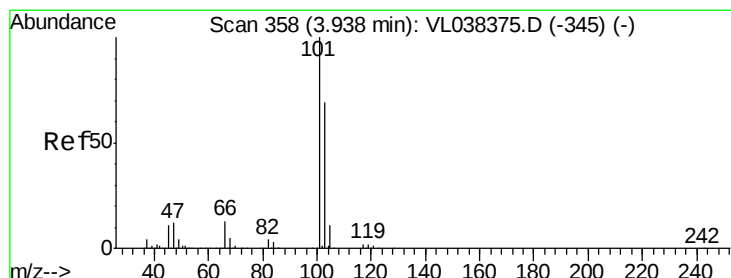
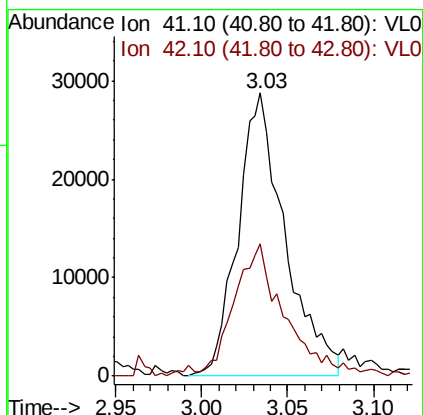
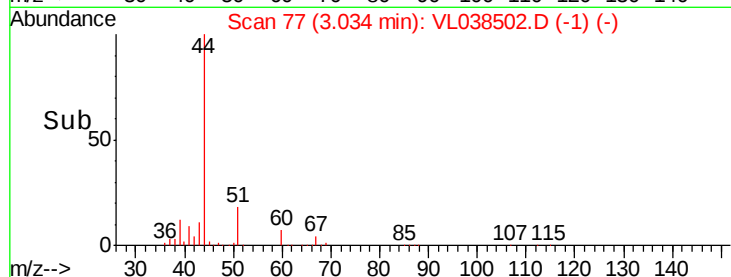
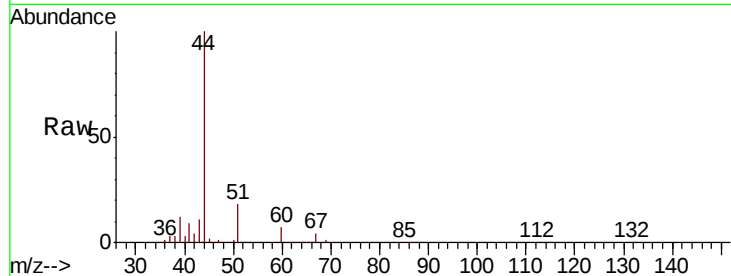


#9
 Propene
 Concen: 1.065 ppbv
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 3:59

Tot Ion:
 Ion Ratio
 41 100
 42 48.

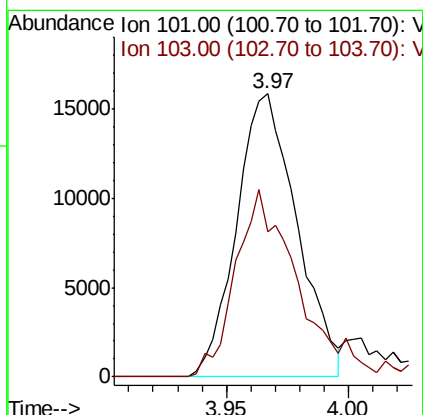
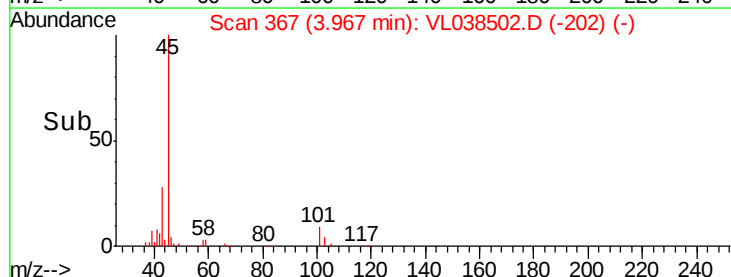
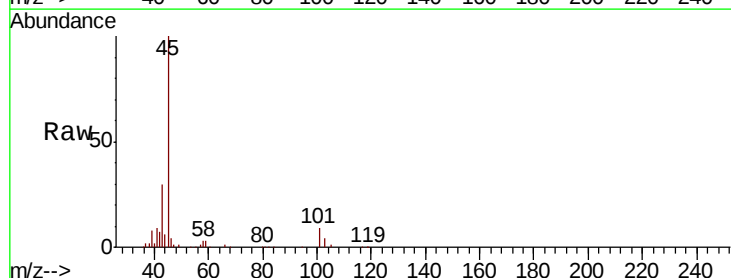
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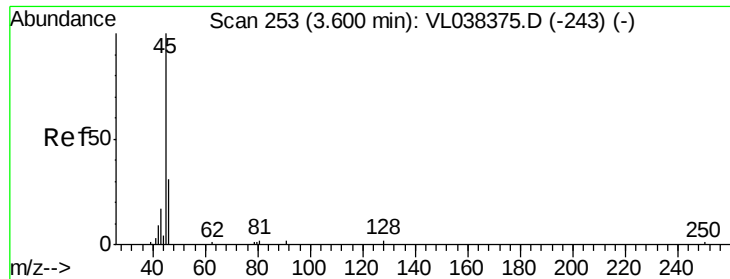
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#11
 Trichlorofluoromethane
 Concen: 0.204 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.03 min
 Lab File: VL038502.D
 Acq: 3 Mar 2022 3:59

Tgt Ion:101 Resp: 27175
 Ion Ratio Lower Upper
 101 100
 103 51.2 55.0 82.4#



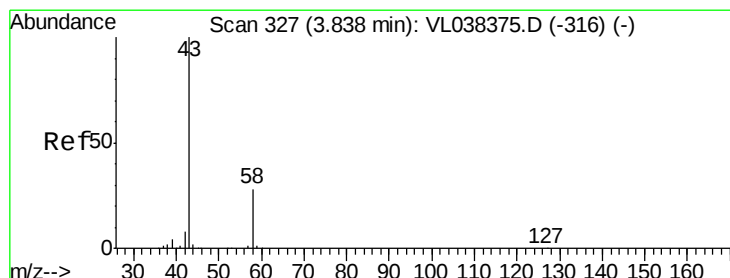
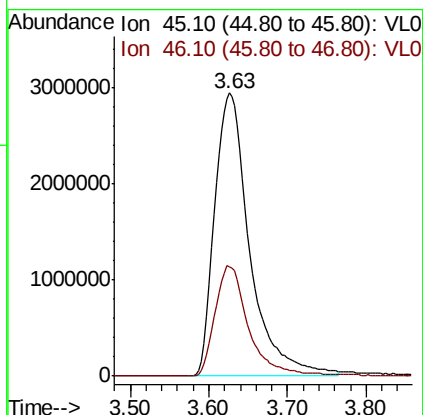
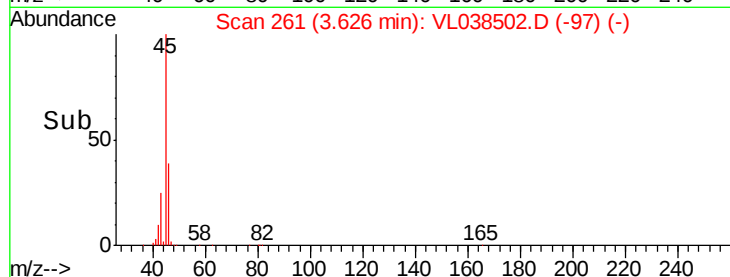
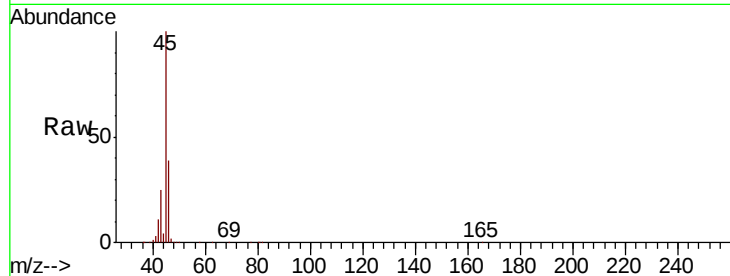


#13
Ethanol
Concen: 1772.779 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
45 100
46 38.

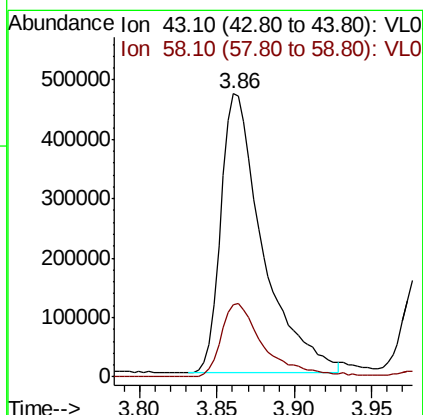
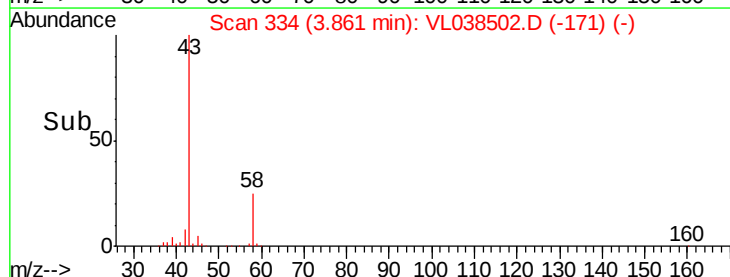
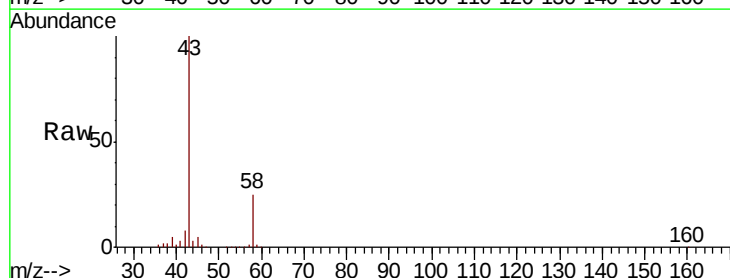
Manual Integrations
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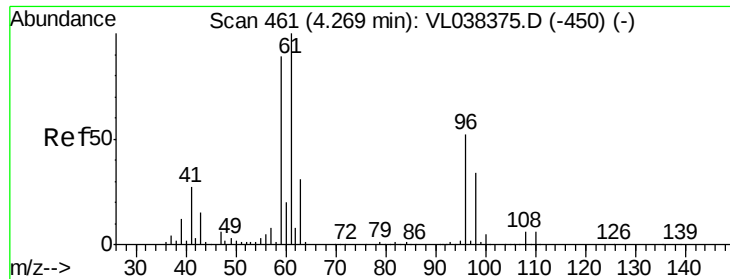
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#15
Acetone
Concen: 11.893 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion: 43 Resp: 888777
Ion Ratio Lower Upper
43 100
58 27.1 21.7 32.5



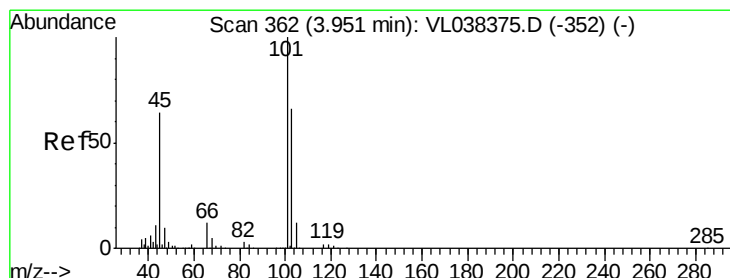
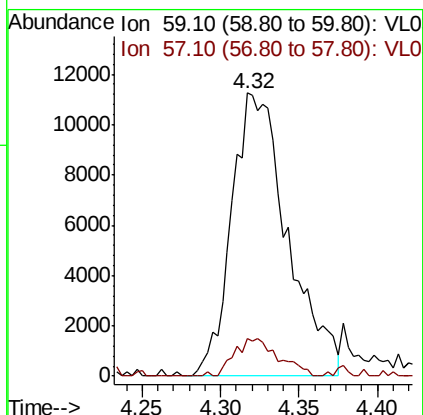
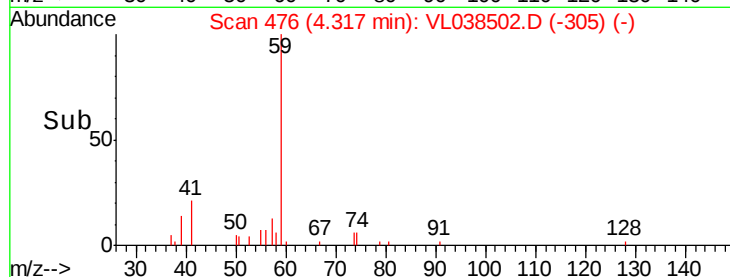
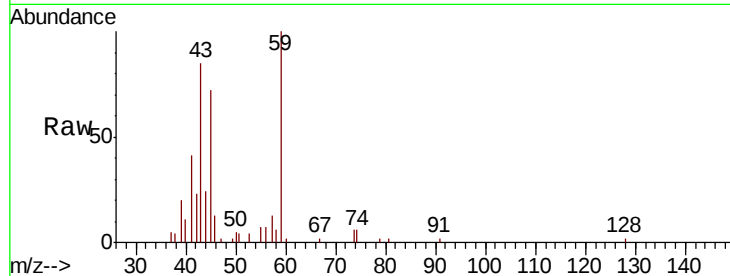


#17
tert-Butyl alcohol
Concen: 0.375 ppbv m
RT: 4.32
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
59 100
57 39.

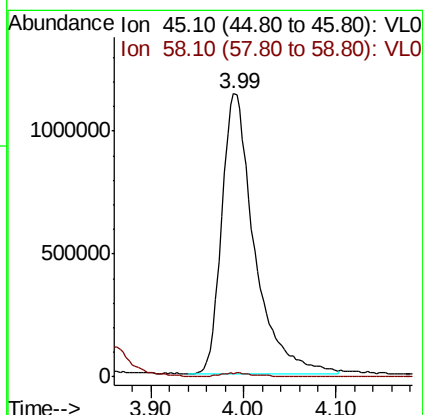
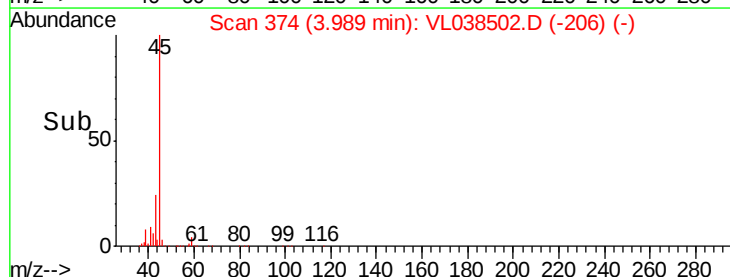
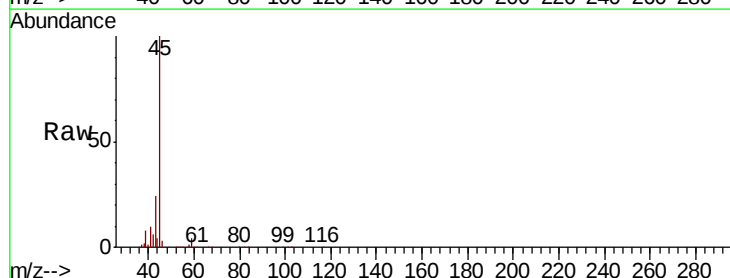
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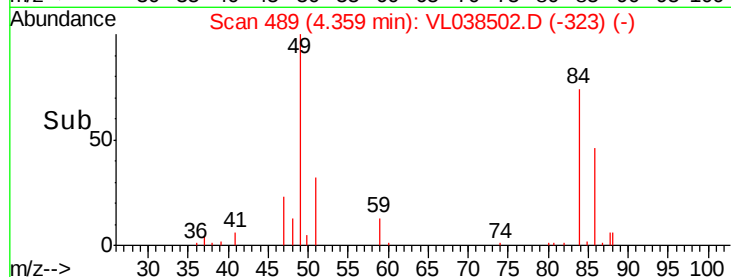
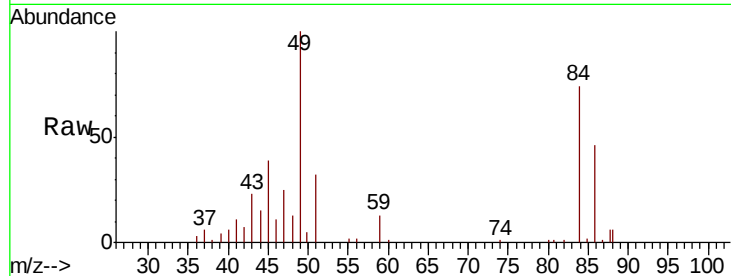
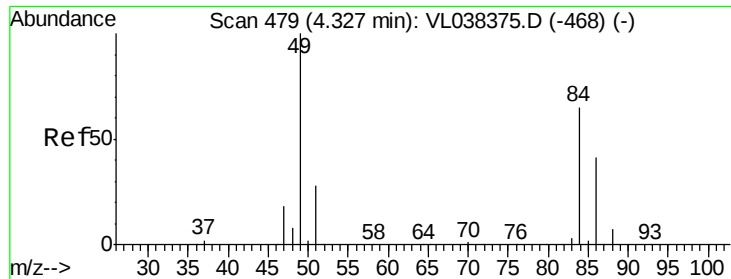
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#19
Isopropyl Alcohol
Concen: 64.406 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.04 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion: 45 Resp: 2787246
Ion Ratio Lower Upper
45 100
58 1.8 1.8 2.8#



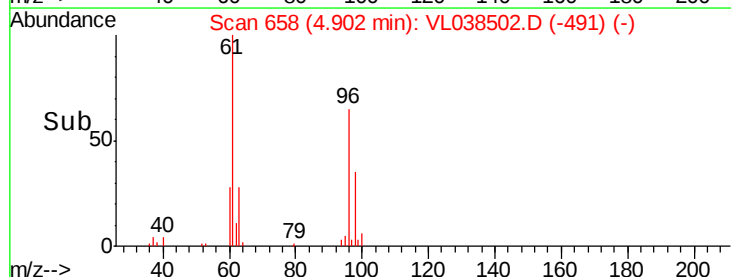
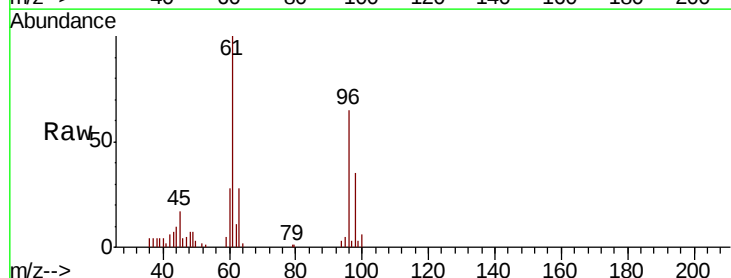
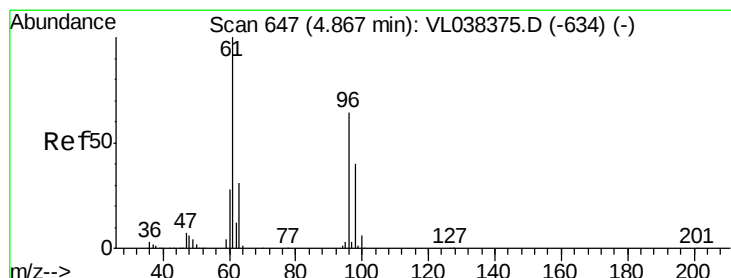
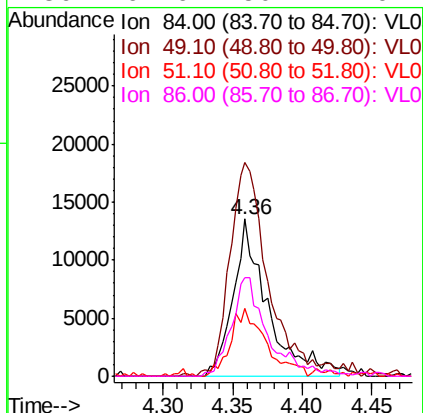


#20
Methylene Chloride
Concen: 0.630 ppbv m
RT: 4.36
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
84 100
49 136.
51 43.
86 62.6 50.7 76.1

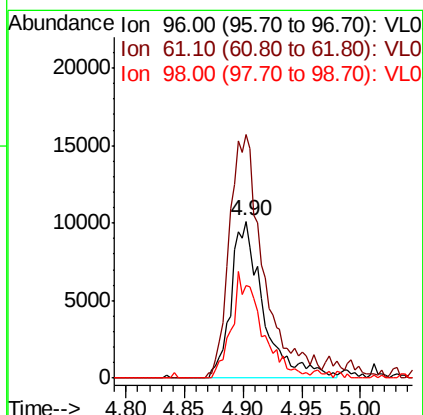
Manual Integrations
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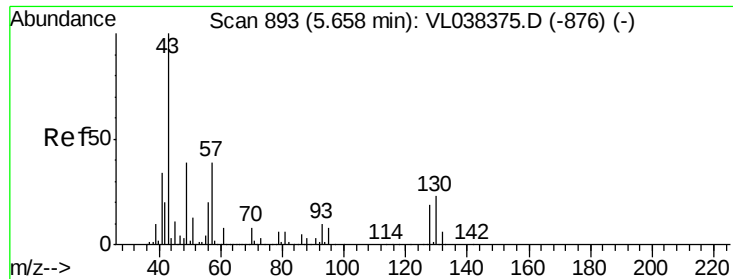
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#22
trans-1,2-Dichloroethene
Concen: 0.441 ppbv m
RT: 4.90 min Scan# 658
Delta R.T. 0.04 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion: 96 Resp: 19098
Ion Ratio Lower Upper
96 100
61 155.0 124.2 186.4
98 54.5 49.1 73.7



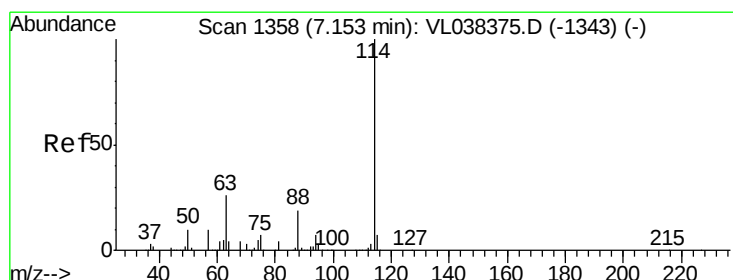
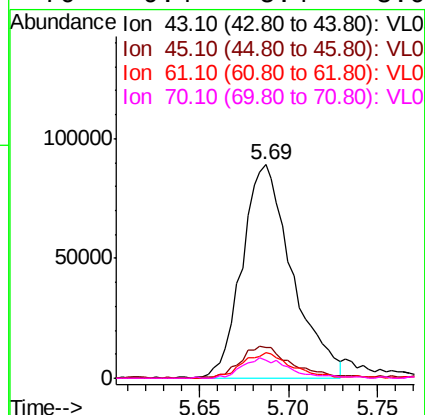
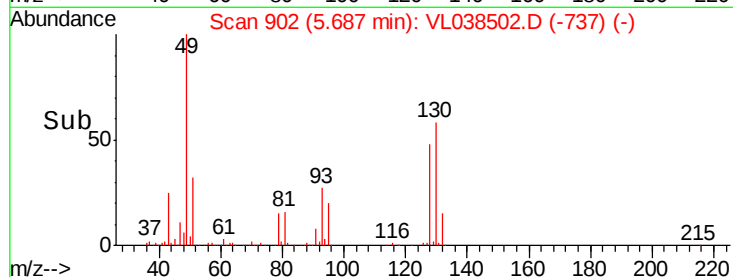
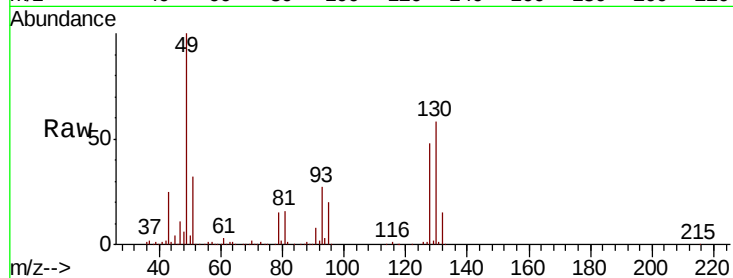


#25
Ethyl Acetate
Concen: 0.863 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
43 100
45 17.
61 12.
70 9.4 5.4 8.0#

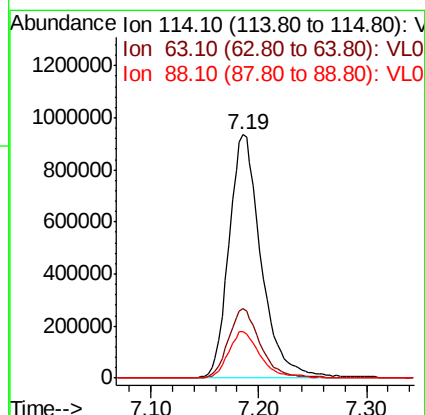
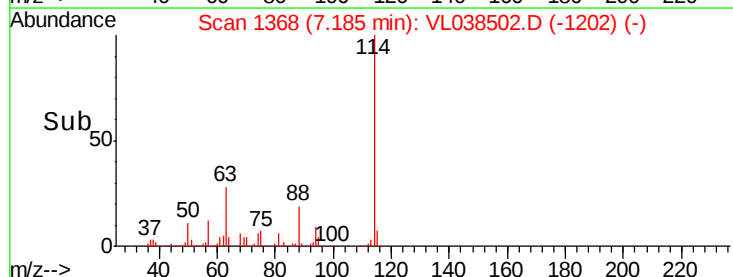
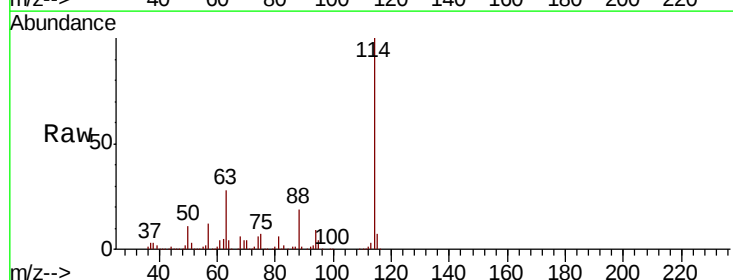
Manual Integrations
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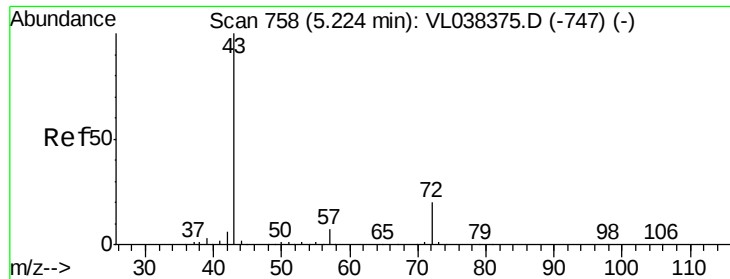
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion:114 Resp: 1945365
Ion Ratio Lower Upper
114 100
63 28.7 22.2 33.2
88 19.1 15.2 22.8



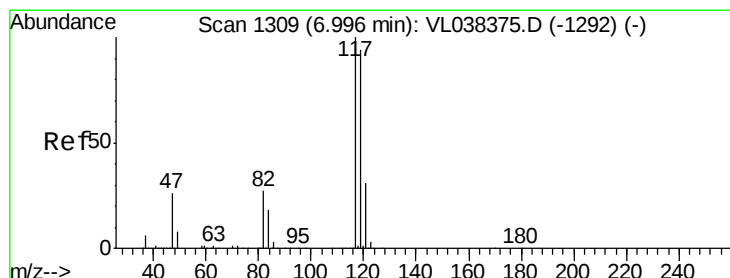
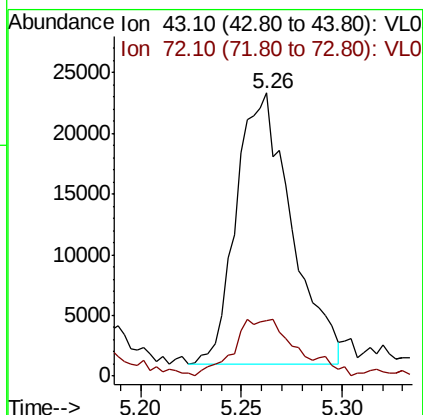
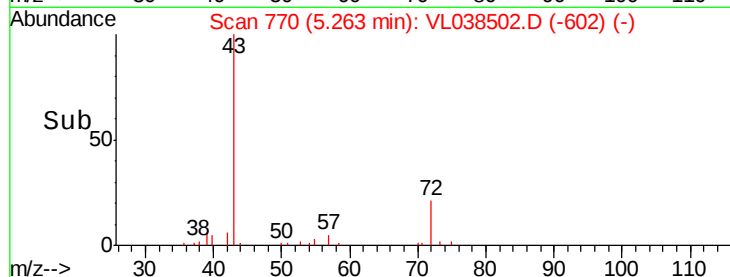
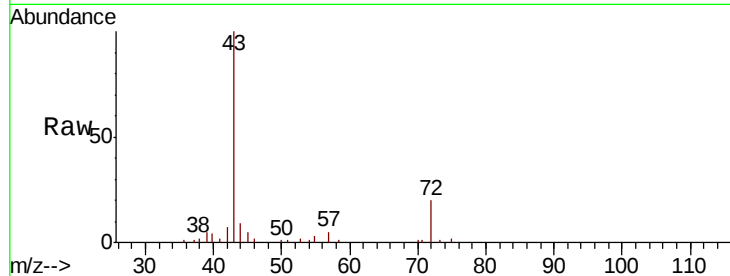


#34
2-Butanone
Concen: 0.702 ppbv
RT: 5.26
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Rati
43 100
72 25.

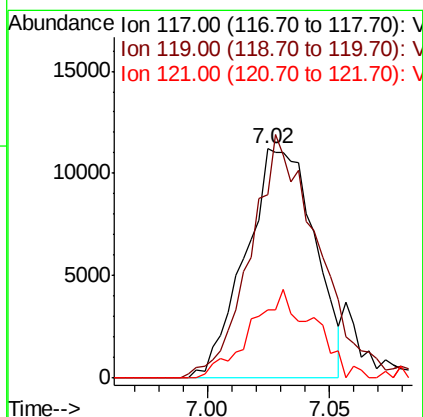
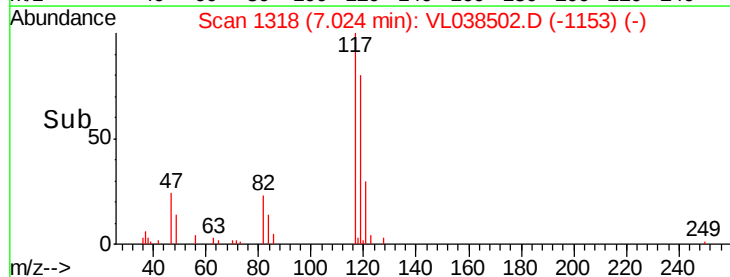
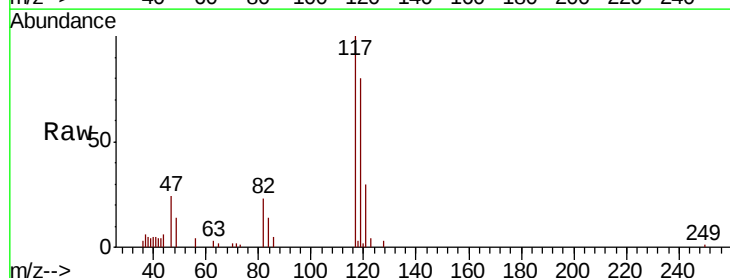
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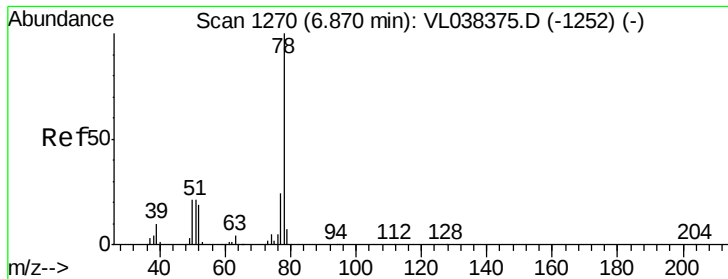
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#35
Carbon Tetrachloride
Concen: 0.161 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.03 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion:117 Resp: 21977
Ion Ratio Lower Upper
117 100
119 78.3 74.9 112.3
121 29.7 24.8 37.2



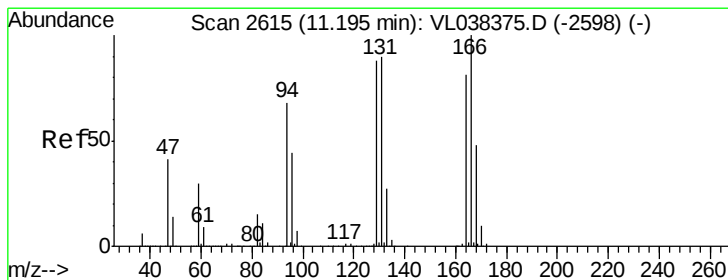
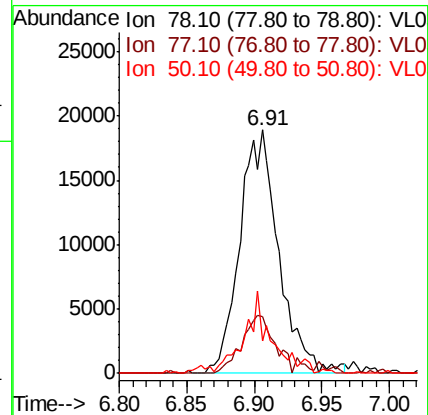
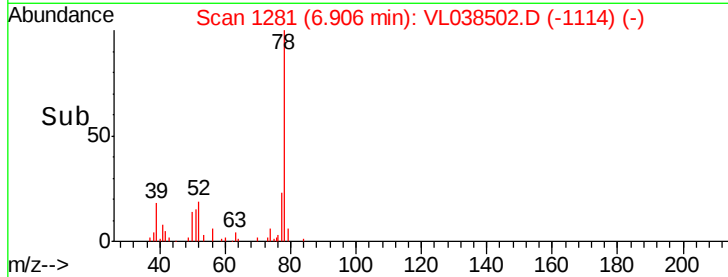
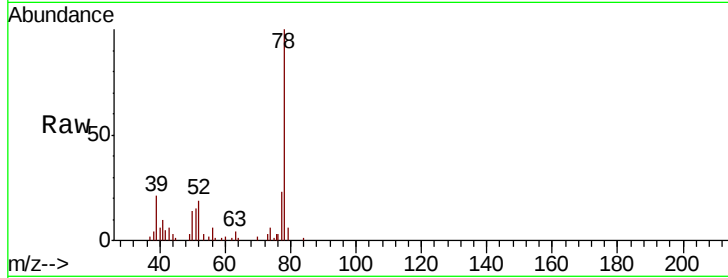


#36
Benzene
Concen: 0.222 ppbv m
RT: 6.91
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
78 100
77 23.
50 13.

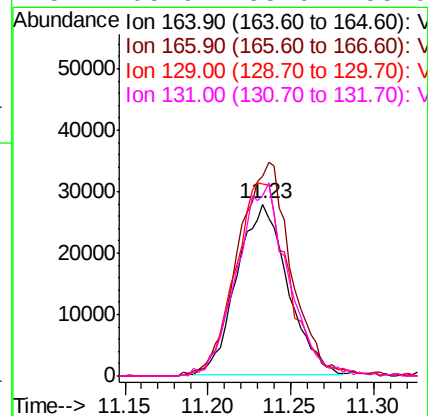
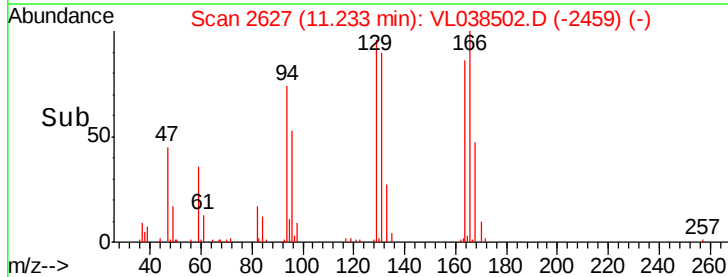
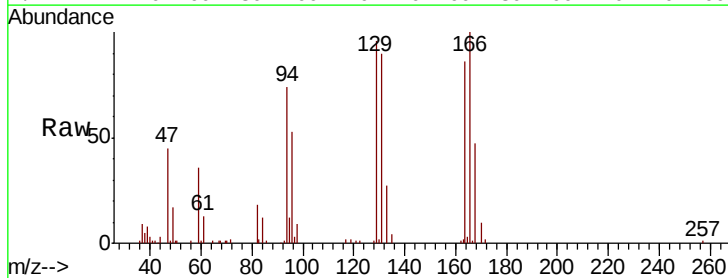
Manual Integrations
APPROVED

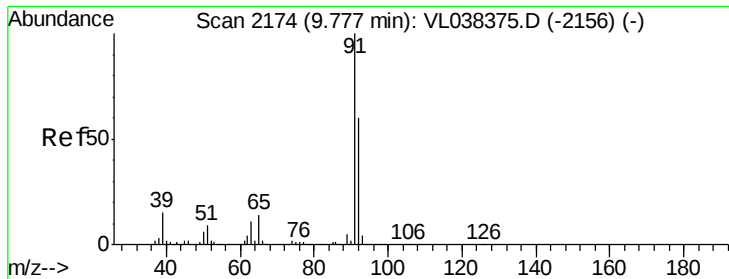
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#52
Tetrachloroethene
Concen: 1.036 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.04 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion:164 Resp: 58876
Ion Ratio Lower Upper
164 100
166 114.7 98.6 148.0
129 110.6 86.9 130.3
131 103.6 88.6 133.0



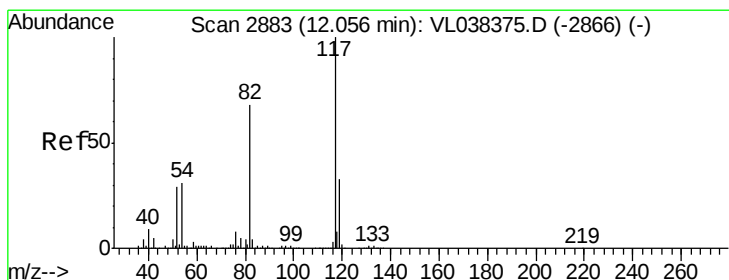
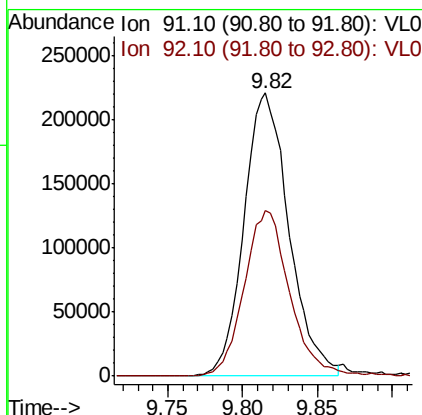
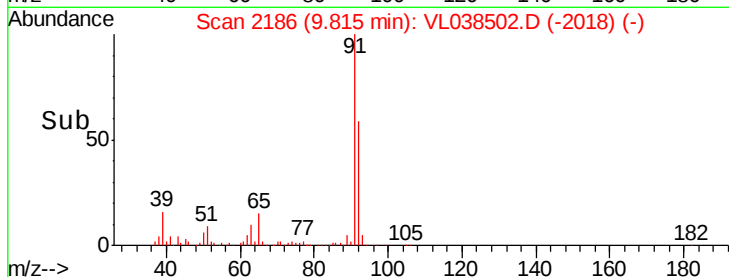
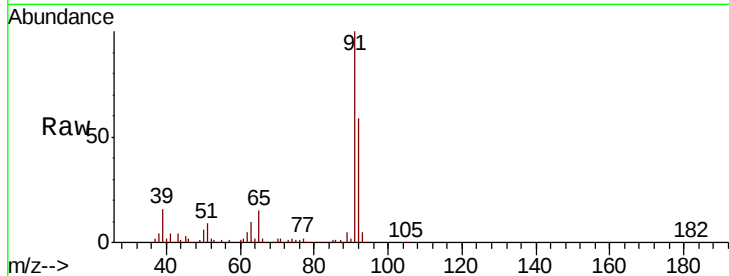


#53
Toluene
Concen: 2.487 ppbv
RT: 9.82
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
91 100
92 59.

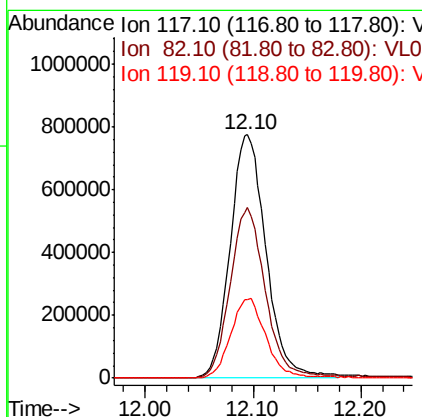
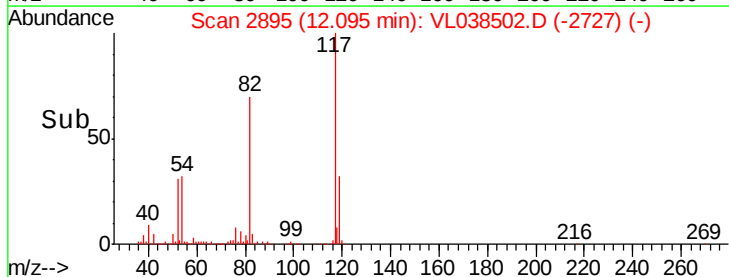
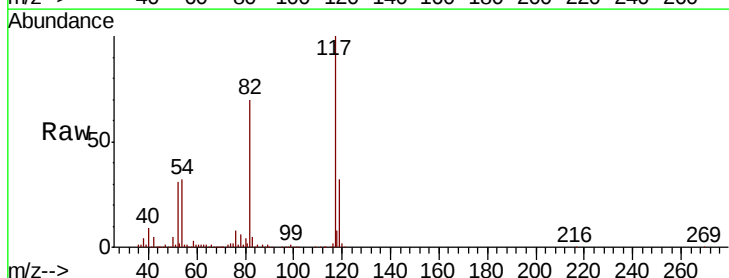
Manual Integrations
APPROVED

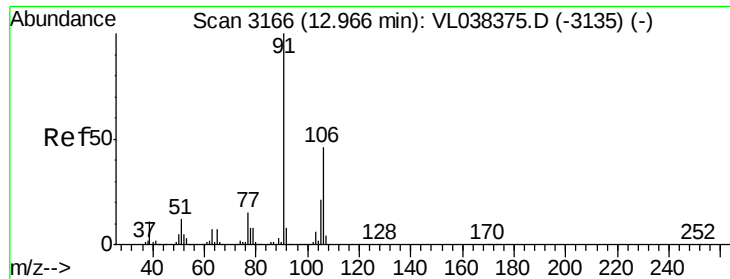
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.04 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion:117 Resp: 1800433
Ion Ratio Lower Upper
117 100
82 70.2 54.9 82.3
119 32.4 46.1 69.1#



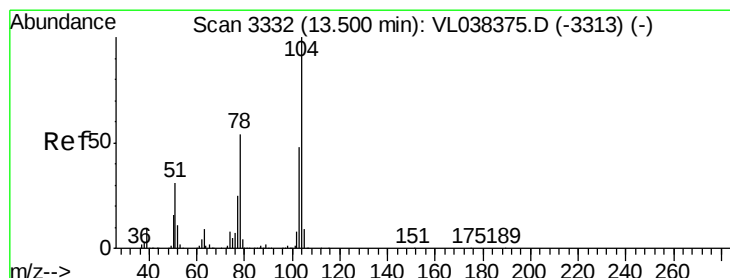
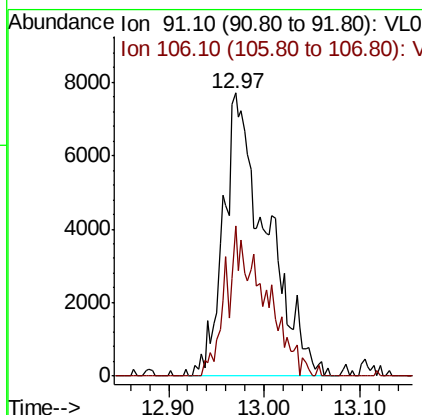
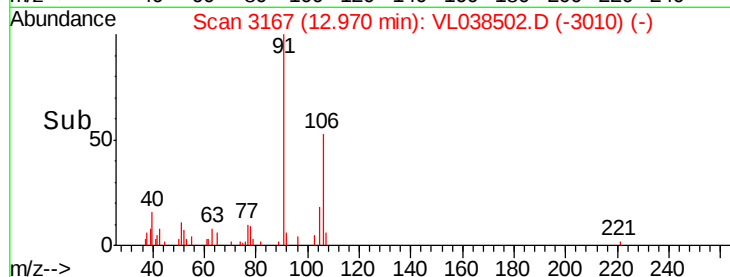
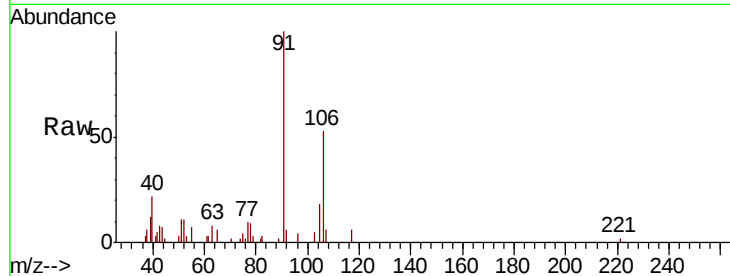


#59
m/p-Xylene
Concen: 0.113 ppbv m
RT: 12.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 3:59

Tot Ion:
Ion Ratio
91 100
106 0.

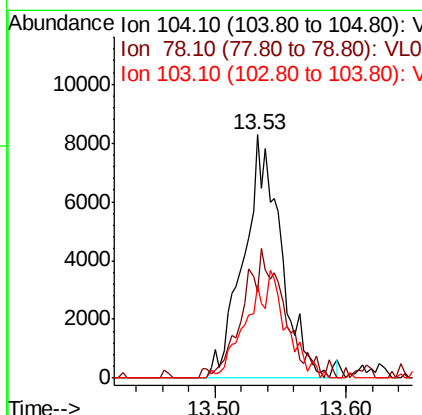
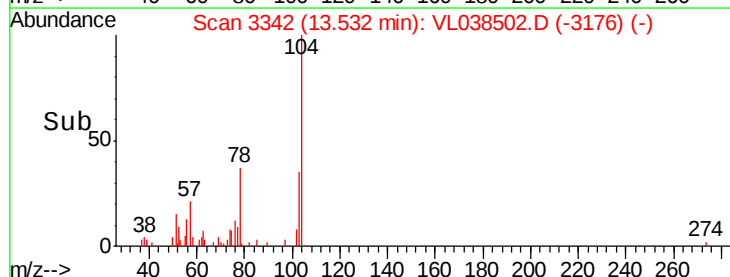
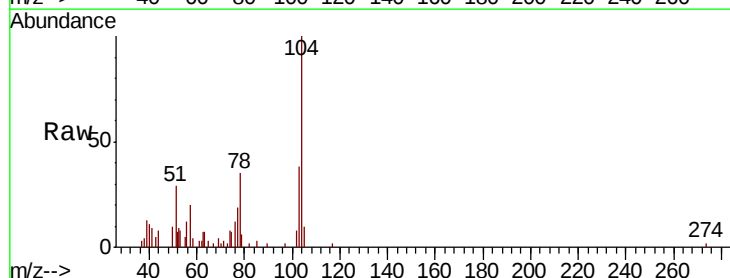
Manual Integrations
APPROVED

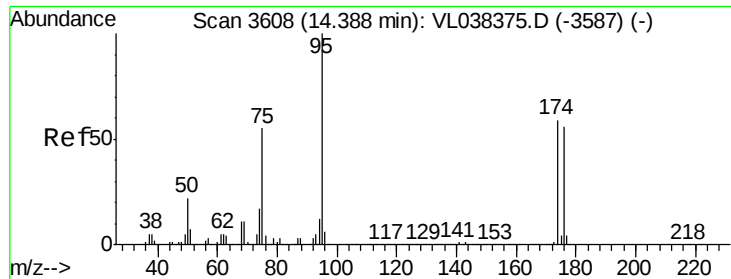
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#61
Styrene
Concen: 0.179 ppbv m
RT: 13.53 min Scan# 3342
Delta R.T.: 0.03 min
Lab File: VL038502.D
Acq: 3 Mar 2022 3:59

Tgt Ion:104 Resp: 16488
Ion Ratio Lower Upper
104 100
78 0.0 44.2 66.4#
103 45.9 38.4 57.6



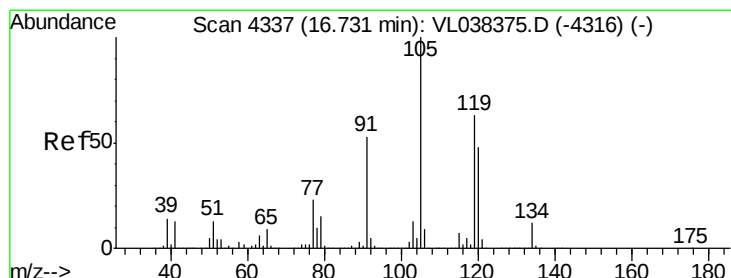
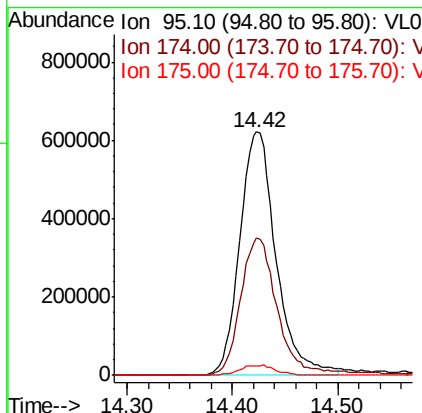
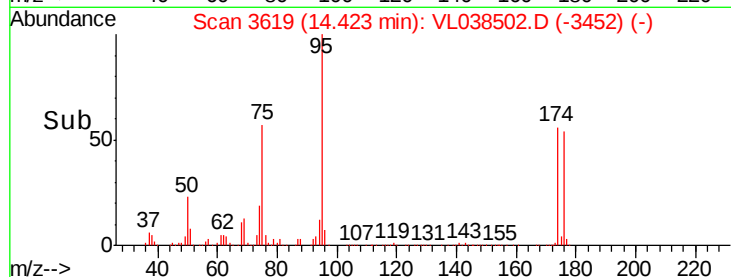
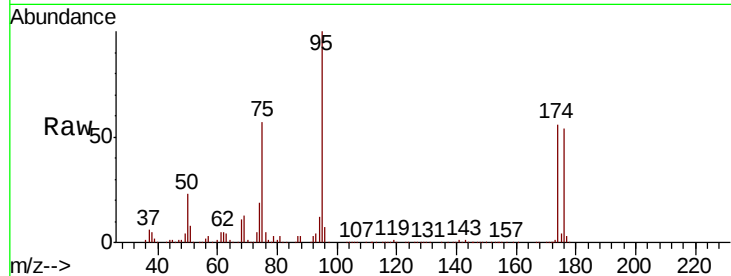


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.974 ppbv
 RT: 14.42 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 3:59

Tot Ion:
 Ion Ratio
 95 100
 174 59.
 175 4.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.112 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.04 min
 Lab File: VL038502.D
 Acq: 3 Mar 2022 3:59

Tgt Ion:105 Resp: 23578
 Ion Ratio Lower Upper
 105 100
 120 40.8 38.2 57.4
 91 20.6 42.7 64.1#
 77 17.5 18.5 27.7#

