

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030222\
 Data File : VL038485.D
 Acq On : 2 Mar 2022 17:12
 Operator : SY/AP
 Sample : N1724-01DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV-02DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 02 23:33:34 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	5.67	49	973853	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2269017	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2014614	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1661035m	9.96	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.27	62	198902	3.184	ppbv	97
9) Propene	3.03	41	3503964m	61.713	ppbv	
10) Heptane	8.13	43	17246m	0.125	ppbv	
13) Ethanol	3.63	45	14930m	2.635	ppbv	
15) Acetone	3.88	43	566182	6.837	ppbv #	76
19) Isopropyl Alcohol	4.00	45	15634m	0.326	ppbv	
20) Methylene Chloride	4.35	84	12366	0.301	ppbv #	86
22) trans-1,2-Dichloroethene	4.89	96	8423m	0.176	ppbv	
26) Hexane	5.69	57	45263	0.449	ppbv #	51
31) cis-1,2-Dichloroethene	5.55	61	508237	5.206	ppbv	98
34) 2-Butanone	5.27	43	40680	0.570	ppbv	92
36) Benzene	6.89	78	26583m	0.133	ppbv	
38) Trichloroethene	7.83	130	148850	2.046	ppbv	95
52) Tetrachloroethene	11.22	164	58044	0.875	ppbv	95

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

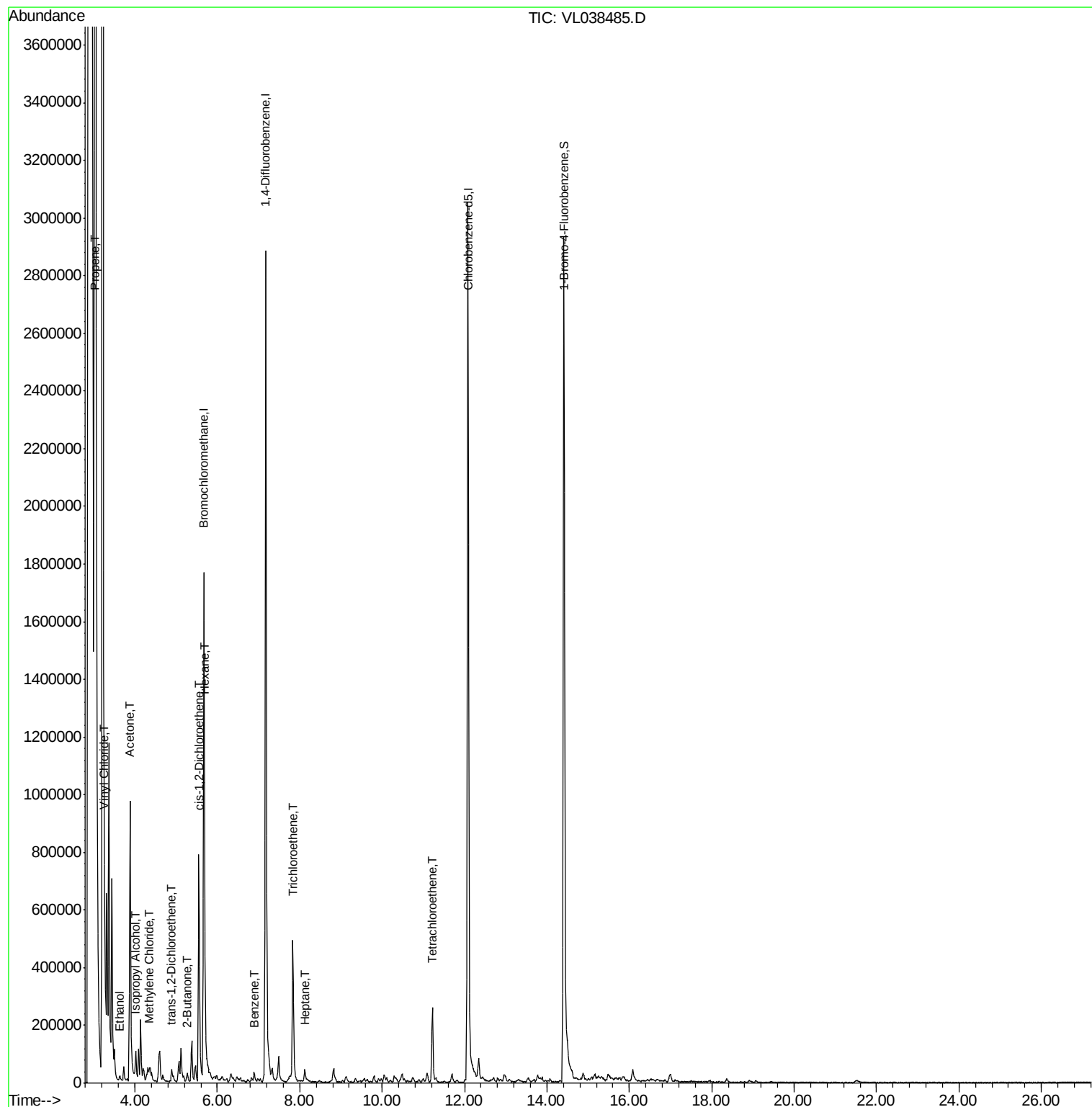
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030222\
Data File : VL038485.D
Acq On : 2 Mar 2022 17:12
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ALS Vial : 1 Sample Multiplier: 1

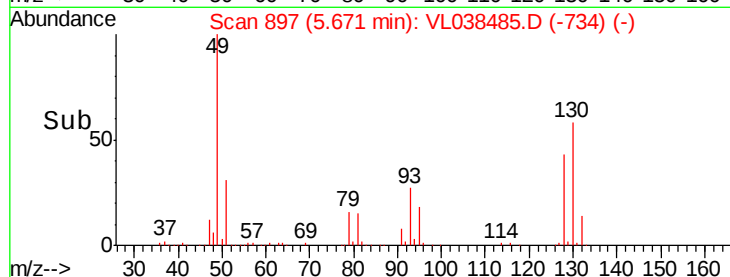
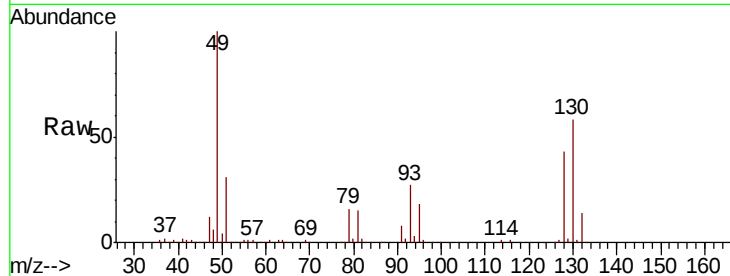
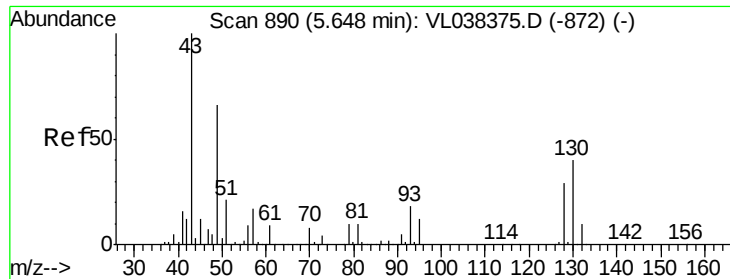
Instrument :
MSVOA_L
ClientSampleId :
SV-02DL

Quant Time: Mar 02 23:33:34 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL022222
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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



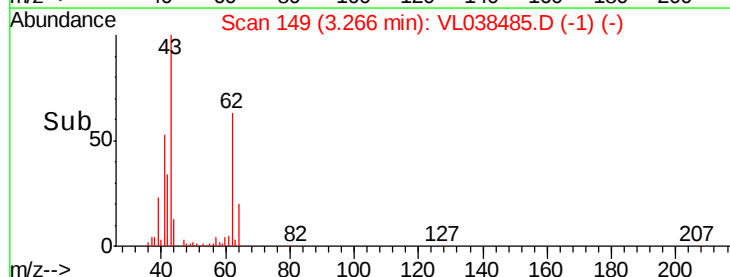
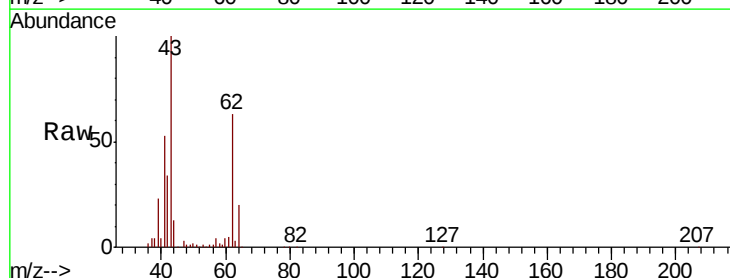
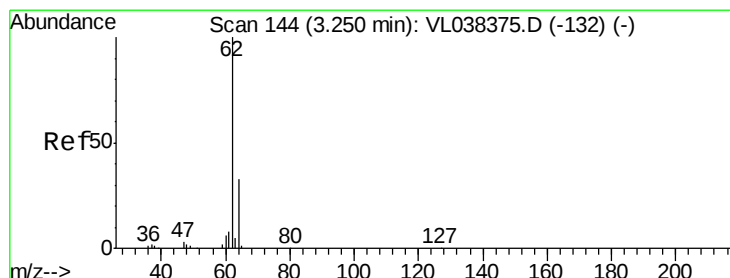
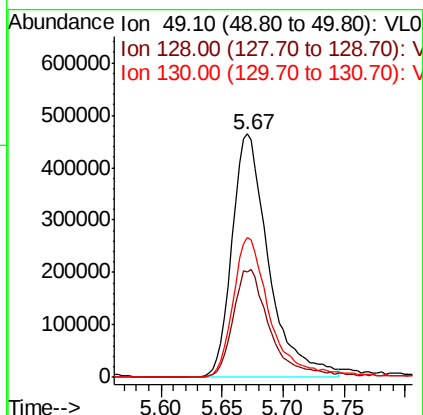


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
SV-02DL
Acq: 2 Mar 2022 17:12

Tot Ion:
Ion Ratio
49 100
128 45.
130 59.

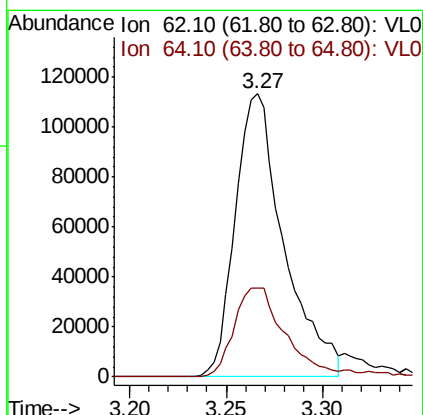
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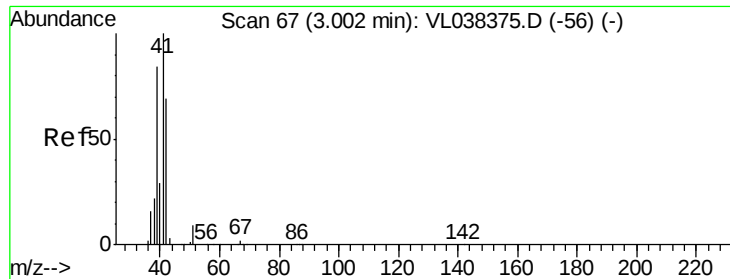
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#5
Vinyl Chloride
Concen: 3.184 ppbv
RT: 3.27 min Scan# 149
Delta R.T. 0.02 min
Lab File: VL038485.D
Acq: 2 Mar 2022 17:12

Tgt Ion: 62 Resp: 198902
Ion Ratio Lower Upper
62 100
64 31.3 26.2 39.2





#9

Propene

Concen: 61.713 ppbv m

RT: 3.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 2 Mar 2022 17:12

Tot Ion:

Ion Ratio

41 100

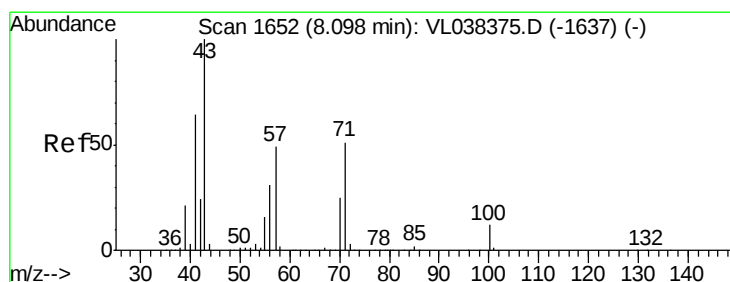
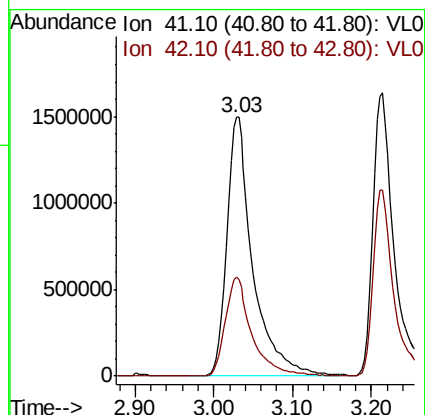
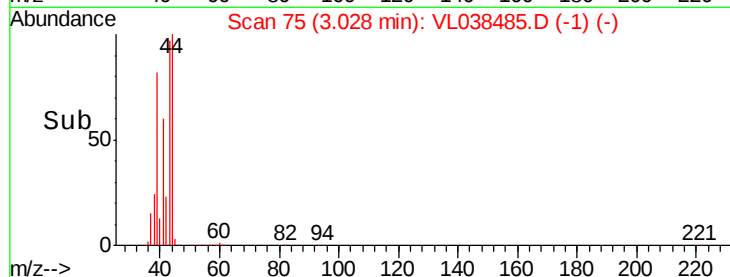
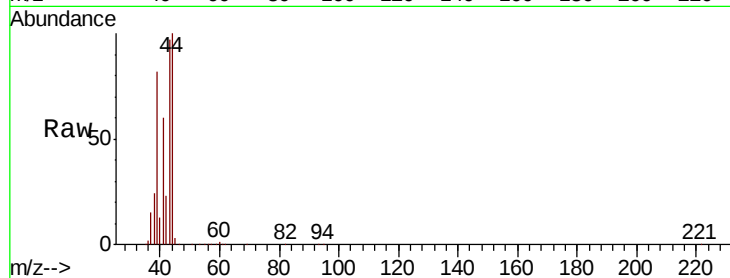
42 57.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#10

Heptane

Concen: 0.125 ppbv m

RT: 8.13 min Scan# 1661

Delta R.T. 0.03 min

Lab File: VL038485.D

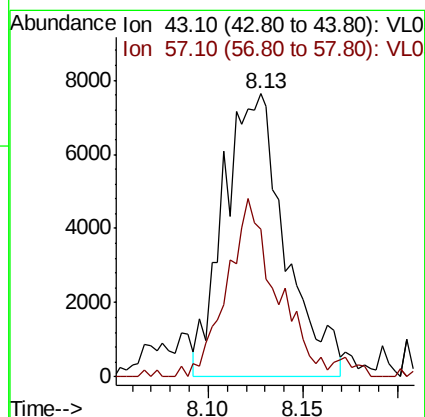
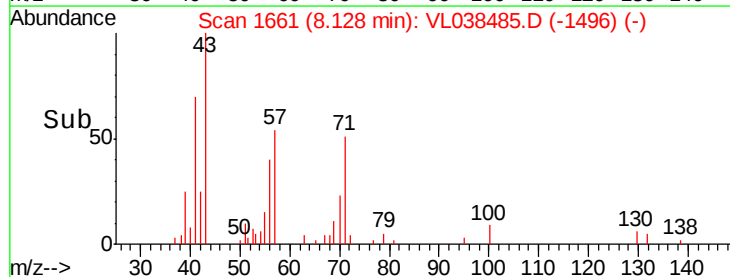
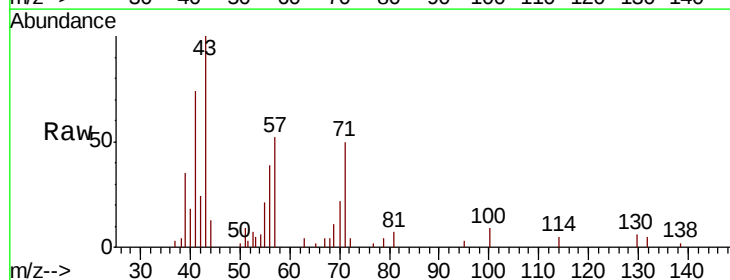
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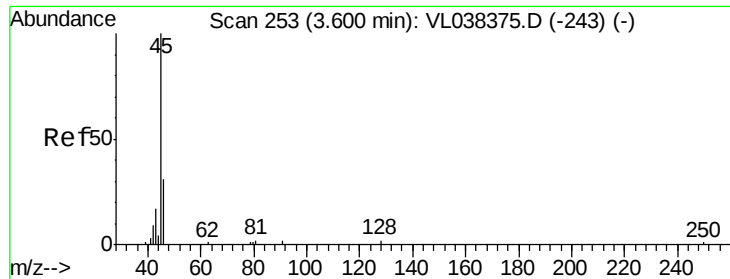
Tgt Ion: 43 Resp: 17246

Ion Ratio Lower Upper

43 100

57 53.5 39.8 59.8



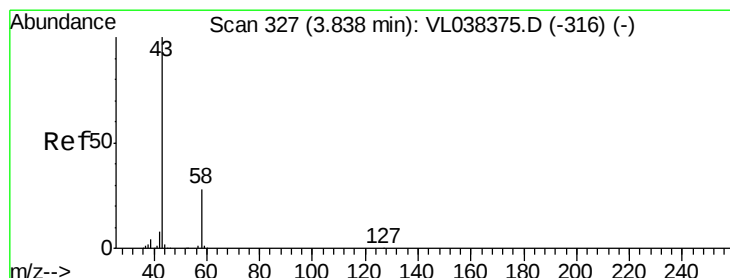
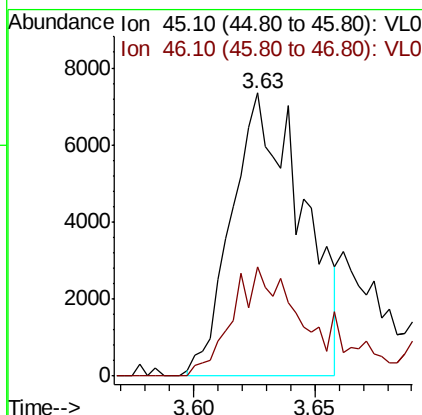
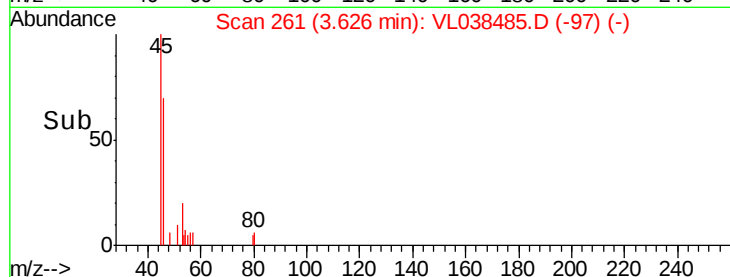
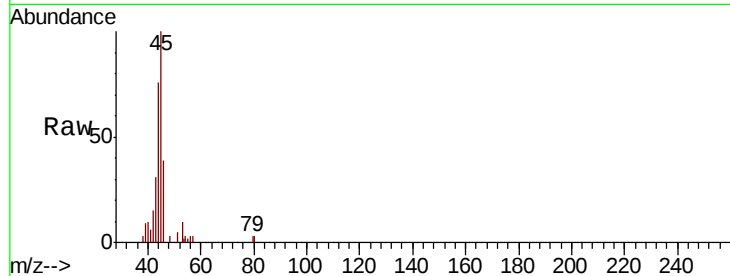


#13
Ethanol
Concen: 2.635 ppbv m
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-02DL
Acq: 2 Mar 2022 17:12

Tot Ion:
Ion Rati
45 100
46 42.

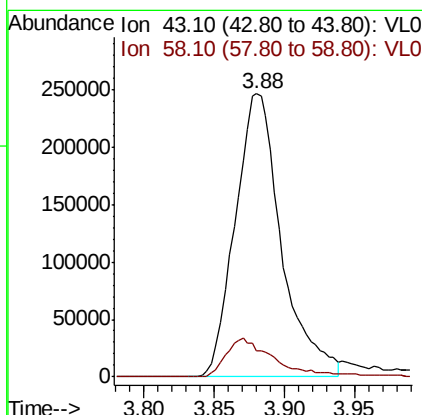
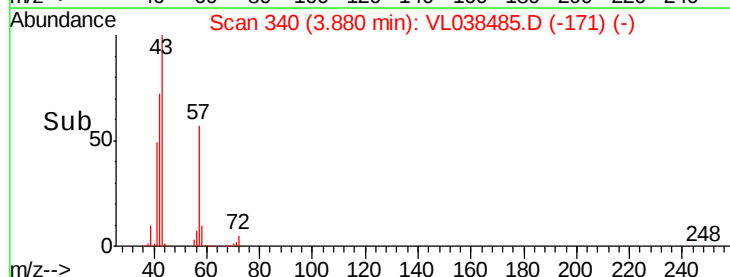
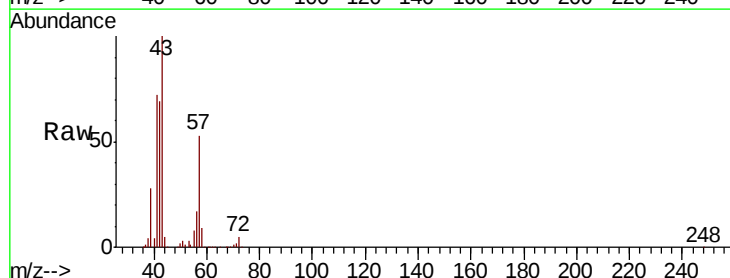
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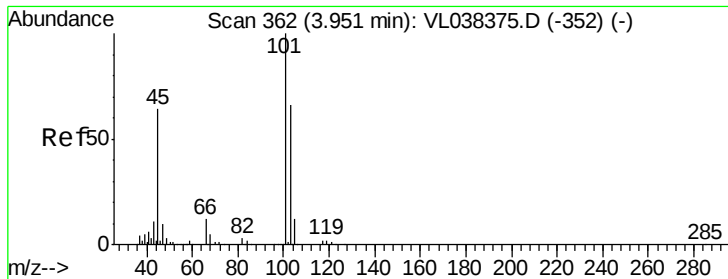
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#15
Acetone
Concen: 6.837 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.04 min
Lab File: VL038485.D
Acq: 2 Mar 2022 17:12

Tgt Ion: 43 Resp: 566182
Ion Ratio Lower Upper
43 100
58 14.5 21.7 32.5#





#19

Isopropyl Alcohol

Concen: 0.326 ppbv m

RT: 4.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 17:12 SV-02DL

Tot Ion:

Ion Ratio

45 100

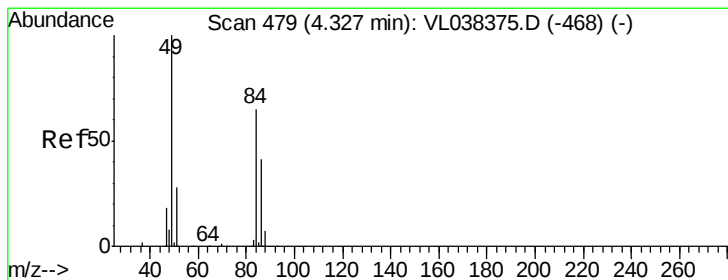
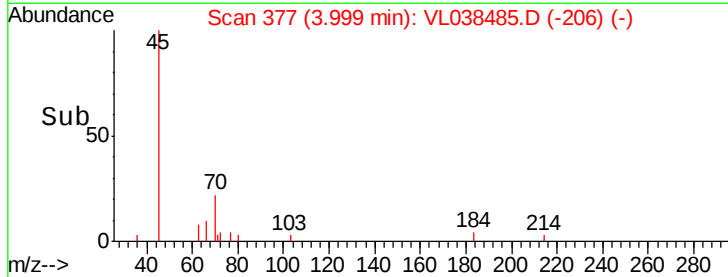
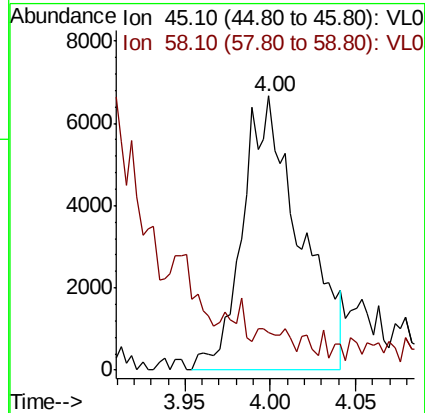
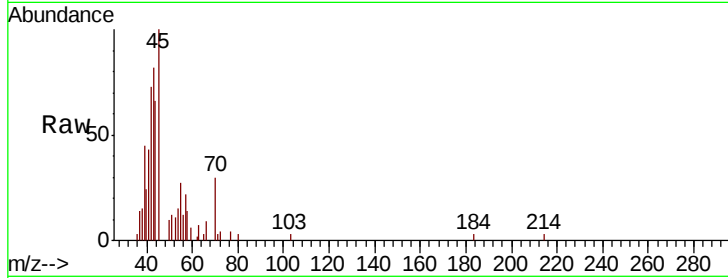
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#20

Methylene Chloride

Concen: 0.301 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL038485.D

Acq: 2 Mar 2022 17:12

Tgt Ion: 84 Resp: 12366

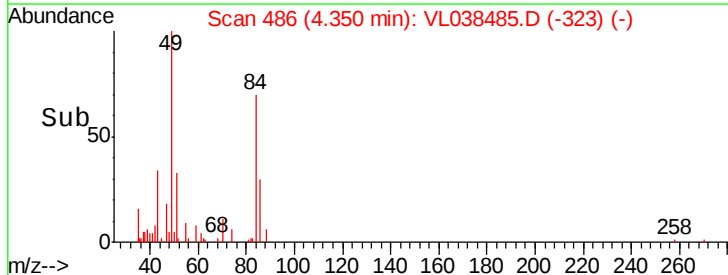
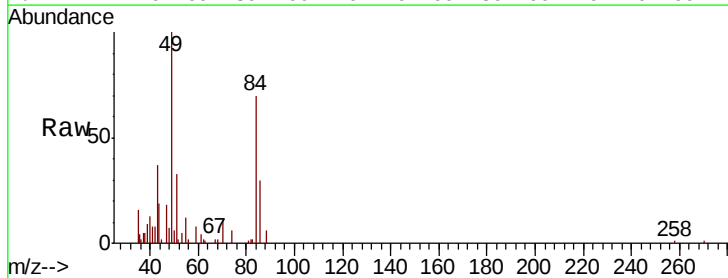
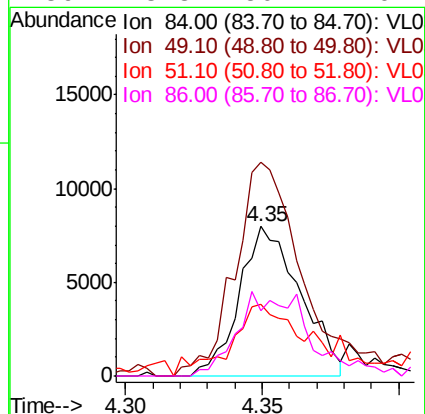
Ion Ratio Lower Upper

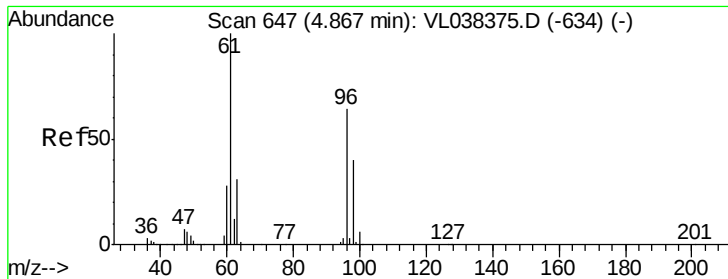
84 100

49 135.9 122.4 183.6

51 40.9 33.3 49.9

86 43.3 50.7 76.1#





#22

trans-1,2-Dichloroethene

Concen: 0.176 ppbv m

RT: 4.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 2 Mar 2022 17:12 SV-02DL

Tot Ion:

Ion Ratio

96 100

61 127.

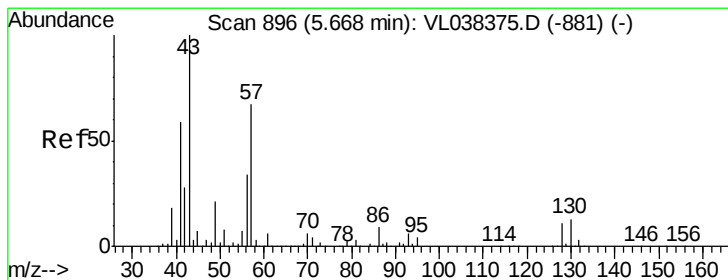
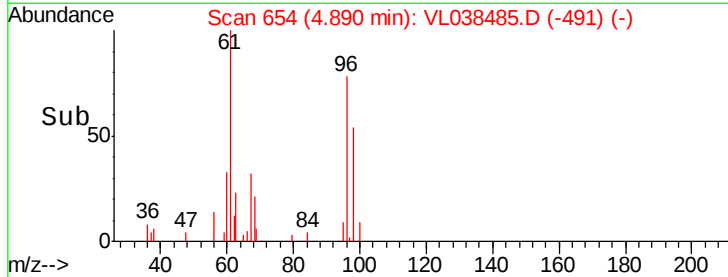
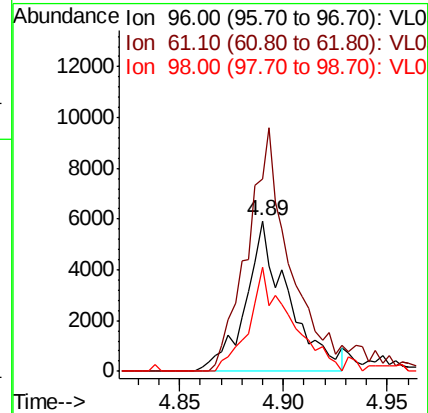
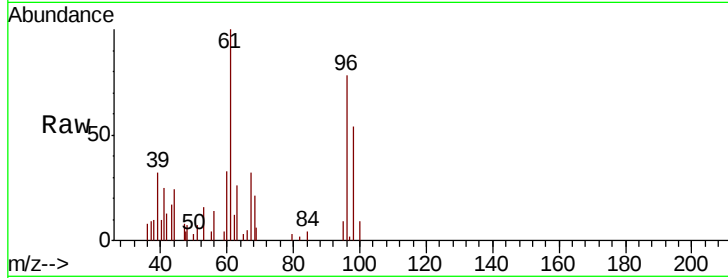
98 69.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/03/2022

Supervised By :Mahesh Dadoda 03/07/2022



#26

Hexane

Concen: 0.449 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL038485.D

Acq: 2 Mar 2022 17:12

Tgt Ion: 57 Resp: 45263

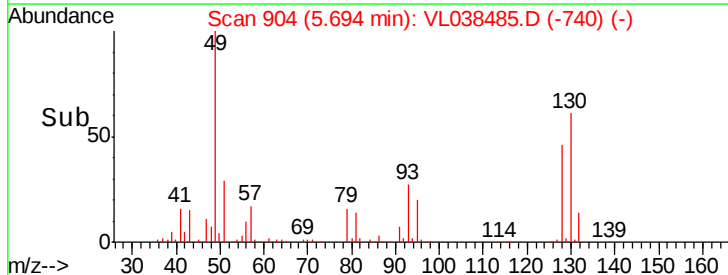
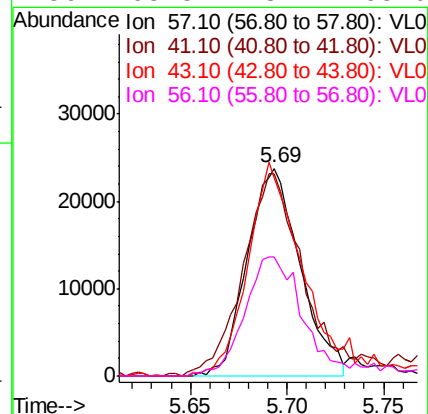
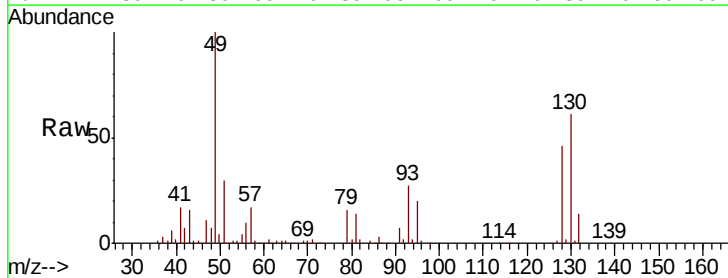
Ion Ratio Lower Upper

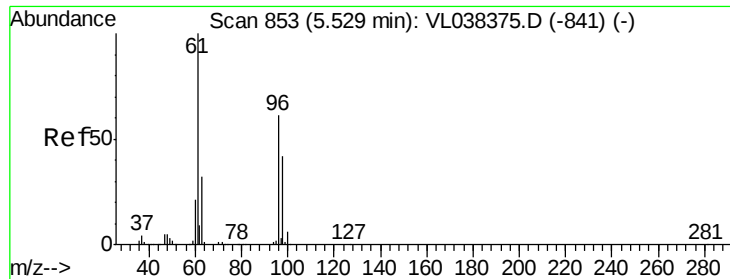
57 100

41 112.9 73.1 109.7#

43 114.4 181.0 271.4#

56 65.5 43.4 65.0#



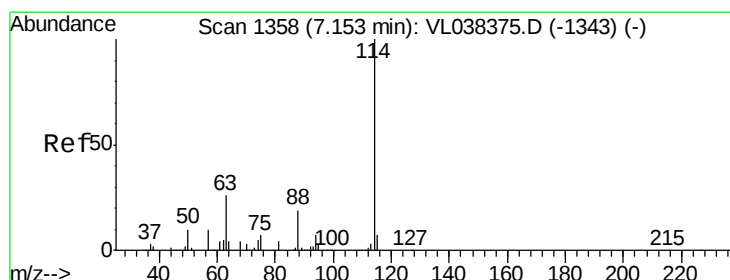
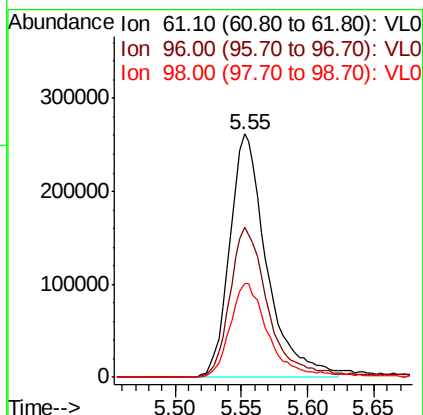
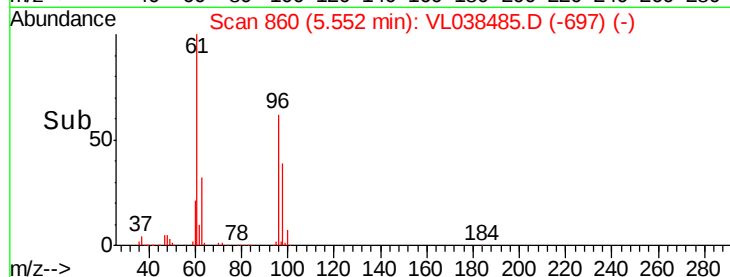
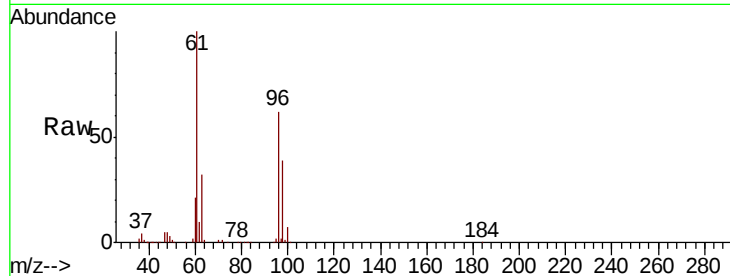


#31
 cis-1,2-Dichloroethene
 Concen: 5.206 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Mar 2022 17:12

Tot Ion:
 Ion Ratio
 61 100
 96 61.
 98 38.

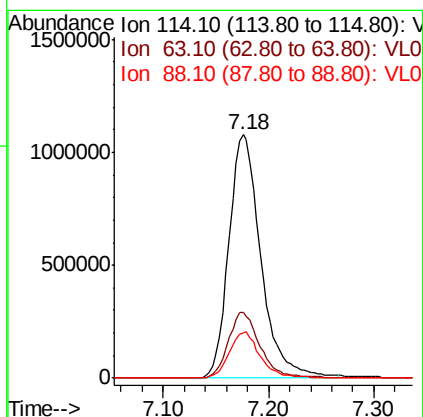
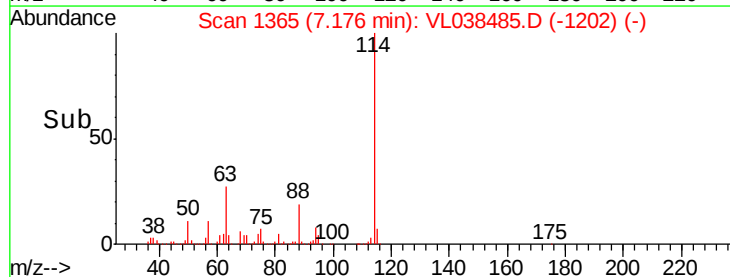
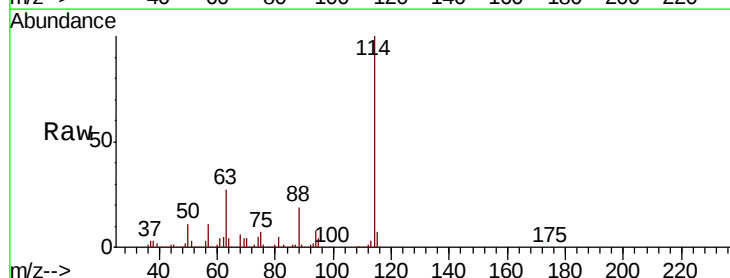
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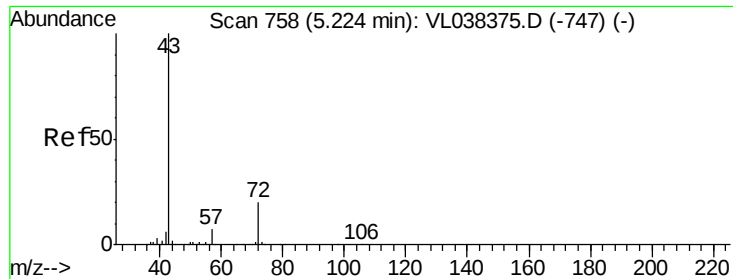
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.02 min
 Lab File: VL038485.D
 Acq: 2 Mar 2022 17:12

Tgt Ion:114 Resp: 2269017
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.2
 88 18.4 15.2 22.8



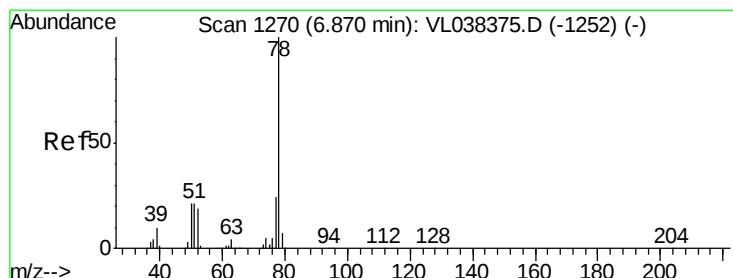
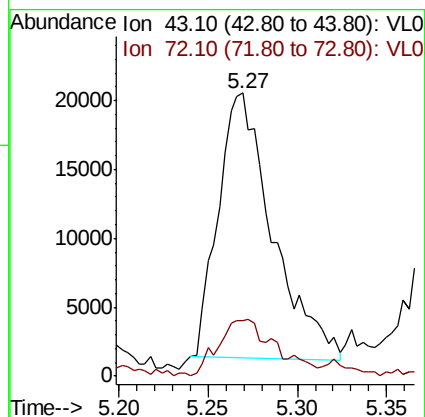
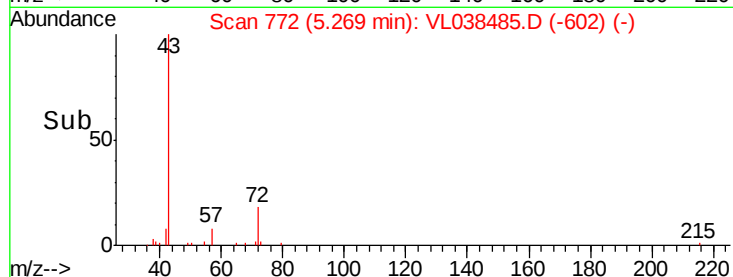
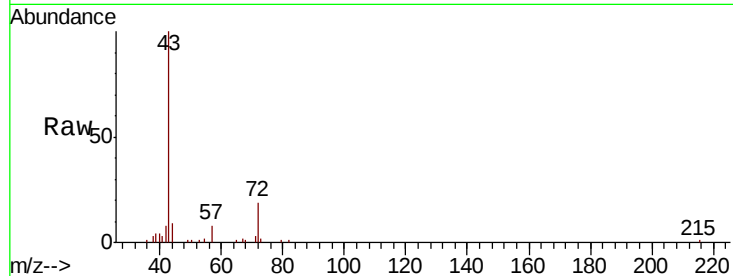


#34
2-Butanone
Concen: 0.570 ppbv
RT: 5.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV-02DL
Acq: 2 Mar 2022 17:12

Tot Ion:
Ion Ratio
43 100
72 25.

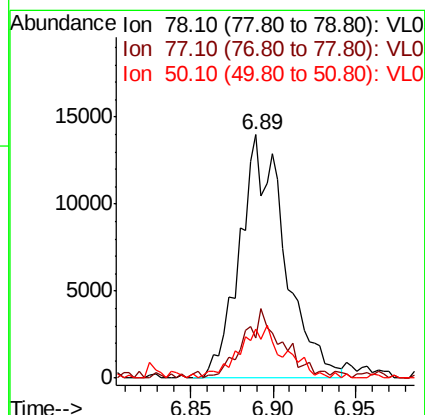
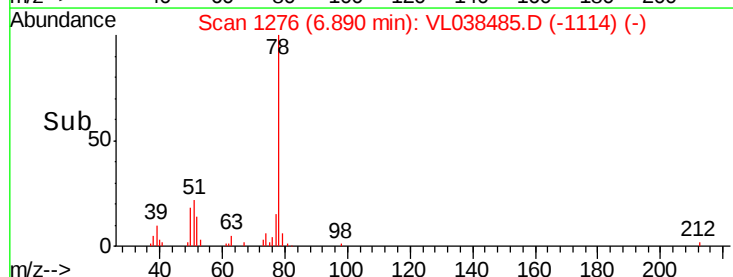
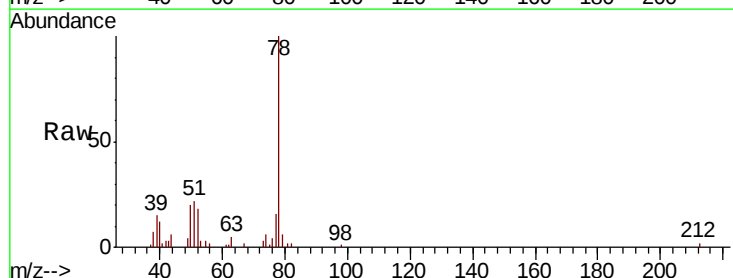
Manual Integrations
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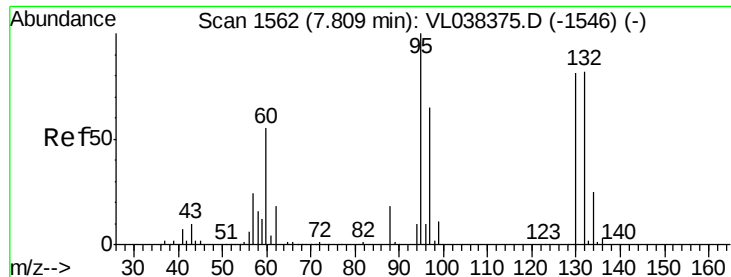
Reviewed By :Semsettin Yesilyurt 03/03/2022
Supervised By :Mahesh Dadoda 03/07/2022



#36
Benzene
Concen: 0.133 ppbv m
RT: 6.89 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VL038485.D
Acq: 2 Mar 2022 17:12

Tgt Ion: 78 Resp: 26583
Ion Ratio Lower Upper
78 100
77 16.4 19.0 28.6#
50 19.9 16.6 24.8



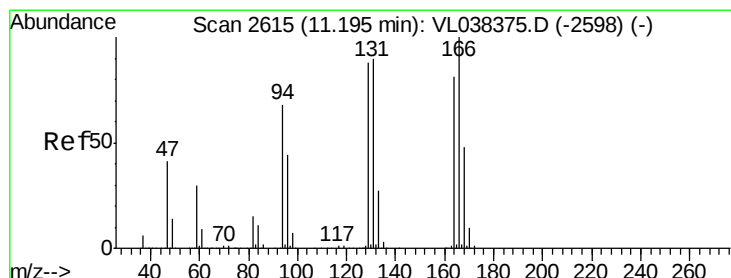
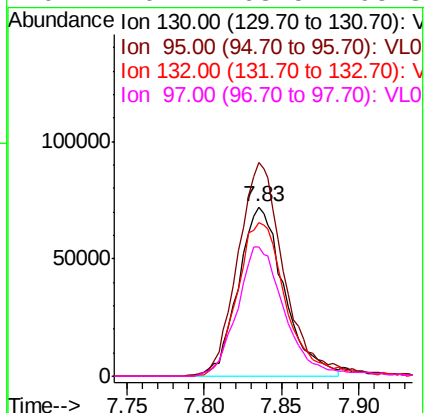
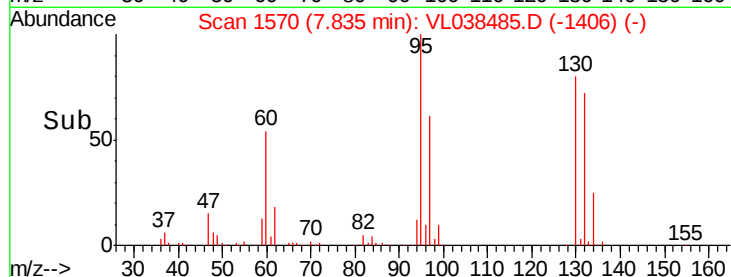
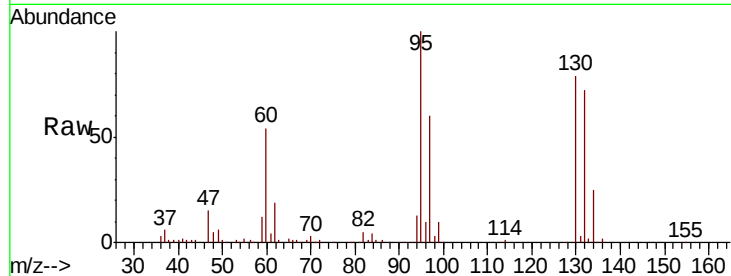


#38
 Trichloroethene
 Concen: 2.046 ppbv
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 2 Mar 2022 17:12

Tot Ion:1
 Ion Rati
 130 100
 95 125.
 132 90.
 97 76.2 63.5 95.3

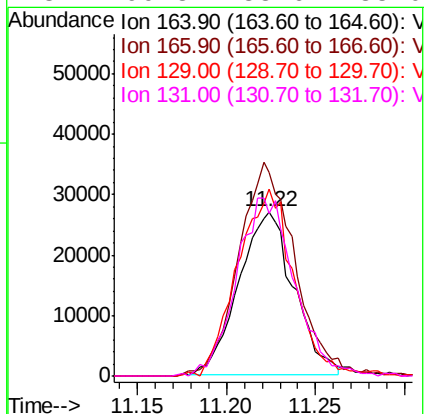
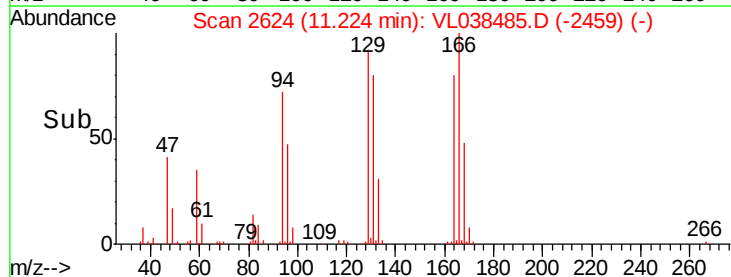
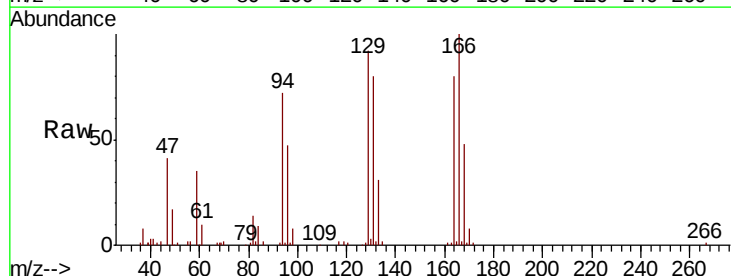
Manual Integrations
 APPROVED

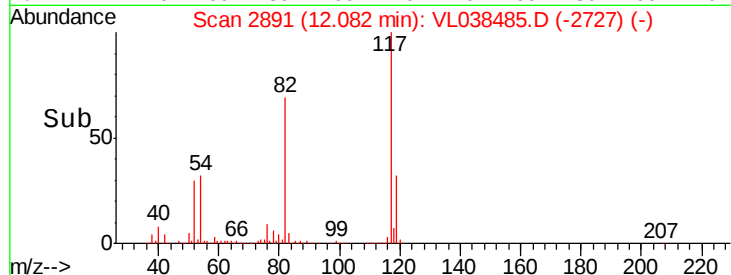
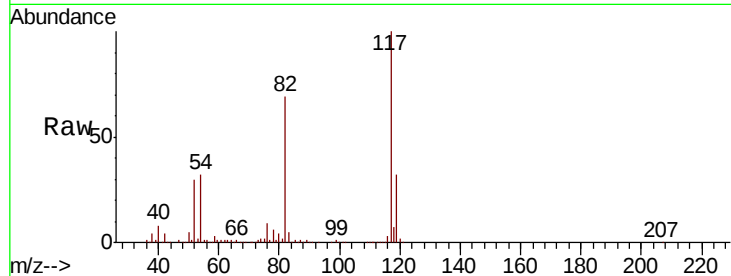
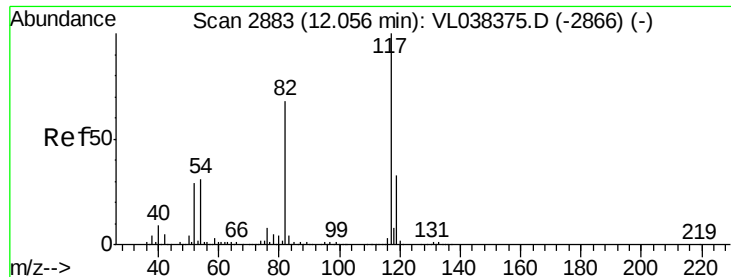
Reviewed By :Semsettin Yesilyurt 03/03/2022
 Supervised By :Mahesh Dadoda 03/07/2022



#52
 Tetrachloroethene
 Concen: 0.875 ppbv
 RT: 11.22 min Scan# 2624
 Delta R.T. 0.03 min
 Lab File: VL038485.D
 Acq: 2 Mar 2022 17:12

Tgt Ion:164 Resp: 58044
 Ion Ratio Lower Upper
 164 100
 166 122.1 98.6 148.0
 129 113.0 86.9 130.3
 131 99.8 88.6 133.0



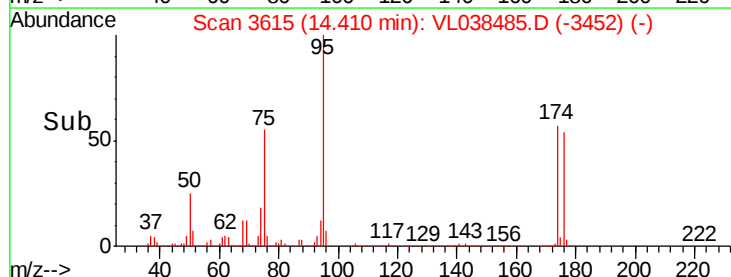
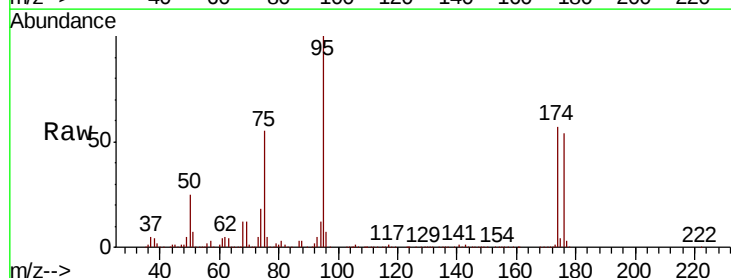
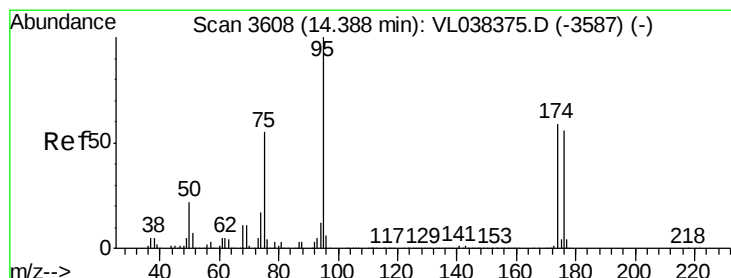
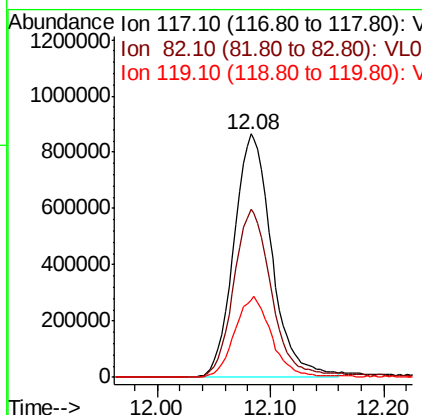


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
SV-02DL
Acq: 2 Mar 2022 17:12

Tot Ion: 1
Ion Ratio
117 100
82 71.
119 33.

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.965 ppbv m
RT: 14.41 min Scan# 3615
Delta R.T.: 0.02 min
Lab File: VL038485.D
Acq: 2 Mar 2022 17:12

Tgt Ion: 95 Resp: 1661035
Ion Ratio Lower Upper
95 100
174 0.0 49.0 73.4#
175 4.3 3.6 5.4

