

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038029.D
 Acq On : 16 Nov 2021 5:36
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Quant Time: Nov 16 09:56:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	739631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3027265	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2844414m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2107703	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1824967	16.417	ppbv	99
3) Chlorodifluoromethane	2.99	51	2565812	17.474	ppbv	100
4) Chloromethane	3.14	50	957390	17.312	ppbv	98
5) Vinyl Chloride	3.26	62	951159	18.079	ppbv	95
6) Bromomethane	3.47	94	506447	17.805	ppbv	99
7) Chloroethane	3.56	64	331997	17.378	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2069269	16.404	ppbv	98
9) Propene	3.02	41	978417	18.288	ppbv	99
10) Heptane	8.12	43	2357965	19.113	ppbv	98
11) Trichlorofluoromethane	3.95	101	2073961	18.794	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1595038	18.511	ppbv	99
13) Ethanol	3.61	45	83824m	16.123	ppbv	
14) Bromoethene	3.74	108	674493	18.209	ppbv	97
15) Acetone	3.85	43	1137650	17.547	ppbv	99
16) 1,3-Butadiene	3.33	39	926236	18.199	ppbv	98
17) tert-Butyl alcohol	4.29	59	1439955	19.502	ppbv	98
18) 1,1-Dichloroethene	4.29	96	737585	18.502	ppbv	94
19) Isopropyl Alcohol	3.97	45	754683	17.705	ppbv	92
20) Methylene Chloride	4.35	84	629768	17.705	ppbv	99
21) Allyl Chloride	4.41	41	1259827	20.543	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	804774	20.061	ppbv	99
23) Vinyl Acetate	5.07	43	2019933	19.930	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1571492	19.108	ppbv	99
25) Ethyl Acetate	5.67	43	2697201	14.686	ppbv	99
26) Hexane	5.69	57	1284874	14.687	ppbv	99
27) Carbon Disulfide	4.55	76	2006639	21.678	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1867094	22.597	ppbv	100
29) Chloroform	5.75	83	1813362	13.522	ppbv	98
30) Cyclohexane	7.13	84	1543500	19.342	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1242453	15.810	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2567848	19.167	ppbv	99
34) 2-Butanone	5.24	43	1276633	11.743	ppbv	99
35) Carbon Tetrachloride	7.01	117	2576947	13.894	ppbv	100
36) Benzene	6.89	78	3658034	14.634	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1840555	15.413	ppbv	99
38) Trichloroethene	7.83	130	1323381	12.929	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1458523	15.316	ppbv	99
40) 1,4-Dioxane	7.83	88	333513	13.615	ppbv #	100
41) Tetrahydrofuran	6.05	42	946482	16.575	ppbv	100
42) Bromodichloromethane	7.79	83	2756387	15.181	ppbv	100
43) Methyl Methacrylate	8.01	69	1353505	16.311	ppbv	97

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Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC015

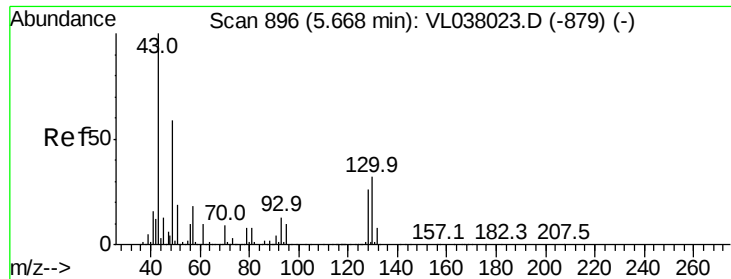
Manual Integrations
 APPROVED

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

Quant Time: Nov 16 09:56:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5821850	13.755	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1280389	20.331	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1556874	18.367	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1480439	14.065	ppbv	96
48) Dibromochloromethane	10.30	129	2409155	15.976	ppbv	99
49) Bromoform	13.03	173	1829054	15.437	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2408874	16.065	ppbv	100
51) 2-Hexanone	10.13	43	1173838	18.129	ppbv	99
52) Tetrachloroethene	11.22	164	1244666	13.279	ppbv	98
53) Toluene	9.80	91	4184114	15.593	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2123414	15.544	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1556552	13.600	ppbv	88
57) Chlorobenzene	12.14	112	2901595	12.904	ppbv	99
58) Ethyl Benzene	12.70	91	5370999	15.372	ppbv	99
59) m/p-Xylene	12.99	91	8605735m	28.056	ppbv	
60) o-Xylene	13.69	91	3974676	13.769	ppbv	100
61) Styrene	13.52	104	2516916	18.508	ppbv	99
62) Isopropylbenzene	14.66	105	5764811	13.972	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2782923	11.204	ppbv	100
64) n-propylbenzene	15.55	120	1568193	14.944	ppbv	90
65) tert-Butylbenzene	16.73	119	4719405	13.033	ppbv	100
66) Benzyl Chloride	16.98	91	393967	20.000	ppbv	98
67) sec-Butylbenzene	17.28	105	6626243	13.279	ppbv	99
69) p-Isopropyltoluene	17.64	119	5467794	13.686	ppbv	99
70) n-Butylbenzene	18.54	91	5214222	14.216	ppbv	99
71) 2-Chlorotoluene	15.44	91	4181826	14.526	ppbv	100
72) 4-Ethyltoluene	15.83	105	5024271	15.034	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4429299	14.268	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4223662	13.057	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	2547176	12.697	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2576339m	13.237	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	2404158	12.773	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1319771	8.490	ppbv	100
79) Naphthalene	22.18	128	2792853	15.672	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	735275	23.968	ppbv	93
81) 1,2,4-Trichlorobenzene	21.91	180	1463297	12.627	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

49 100

128 49.1

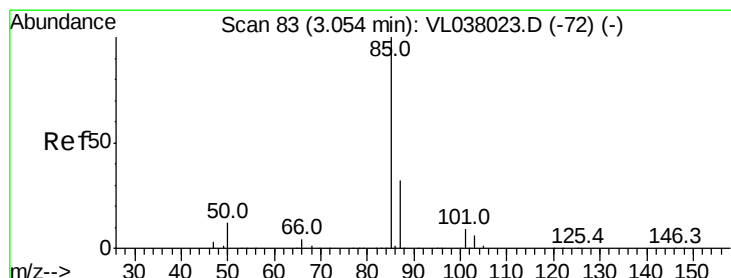
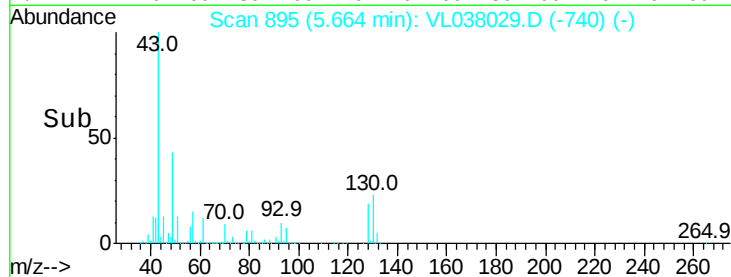
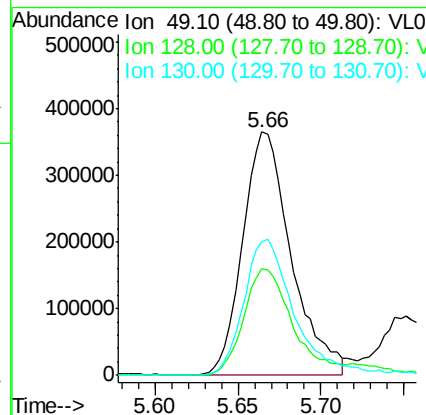
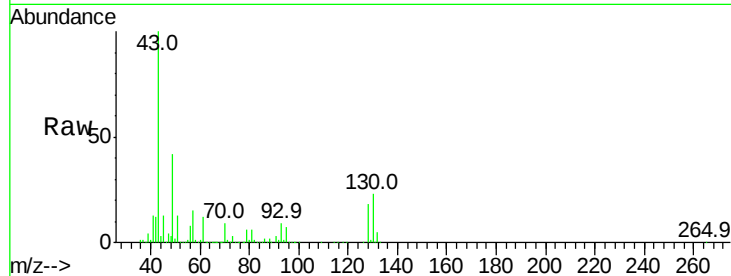
130 60.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#2

Dichlorodifluoromethane

Concen: 16.417 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038029.D

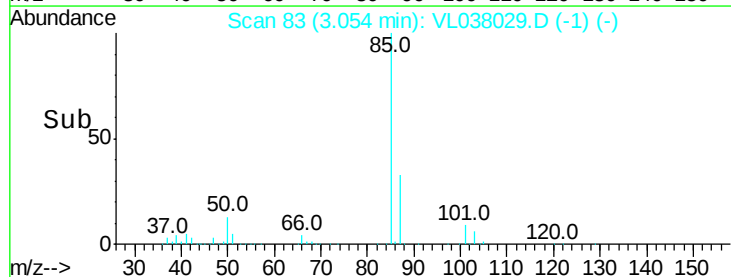
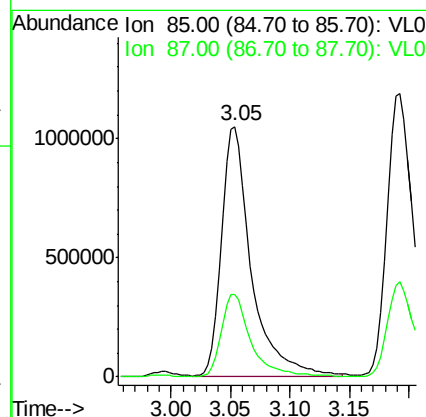
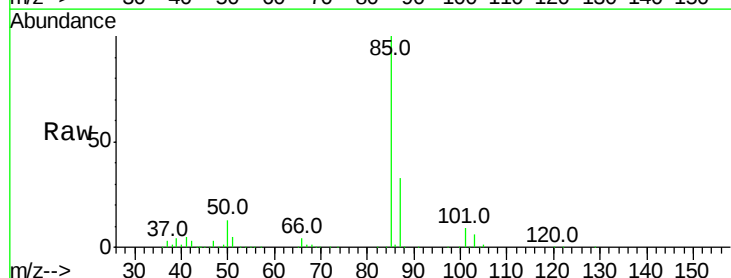
Acq: 16 Nov 2021 5:36

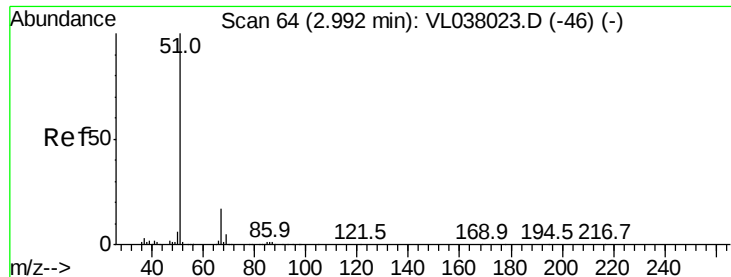
Tgt Ion: 85 Resp: 1824967

Ion Ratio Lower Upper

85 100

87 32.8 25.9 38.9





#3

Chlorodifluoromethane

Concen: 17.474 ppbv

RT: 2.99 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

51 100

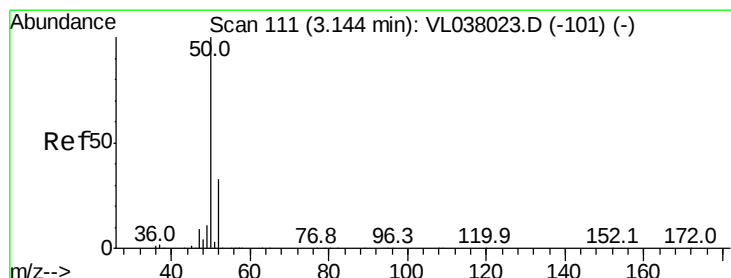
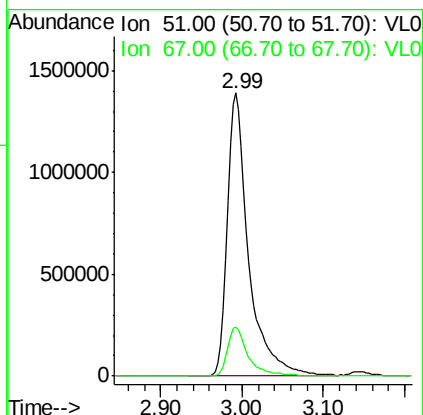
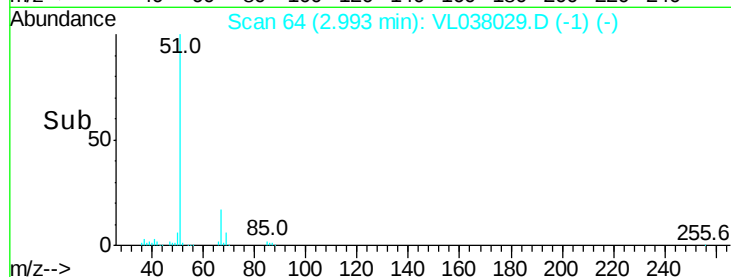
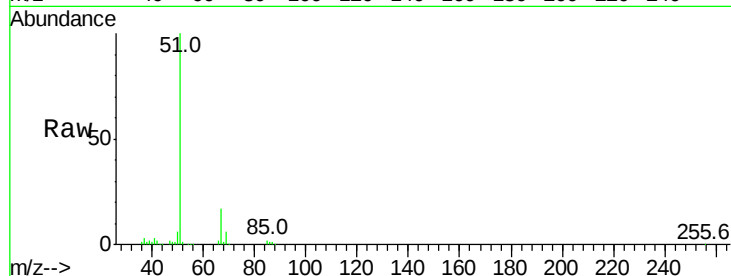
67 17.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#4

Chloromethane

Concen: 17.312 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038029.D

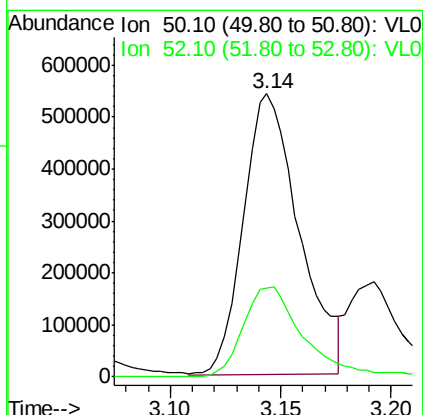
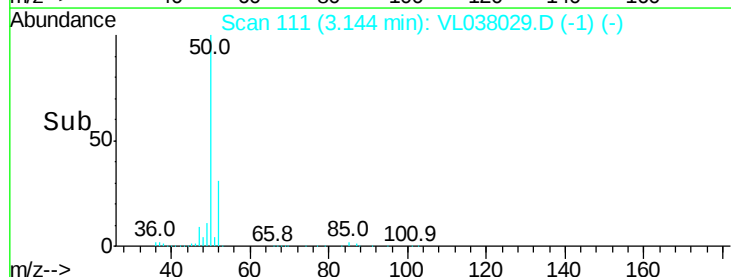
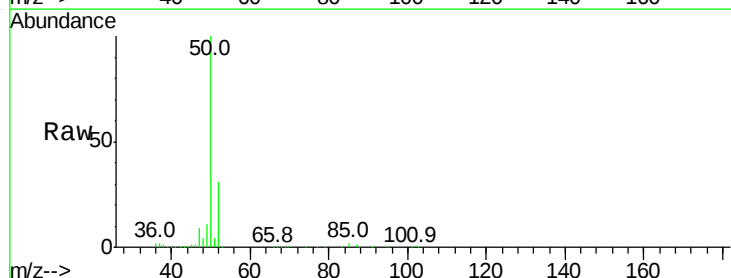
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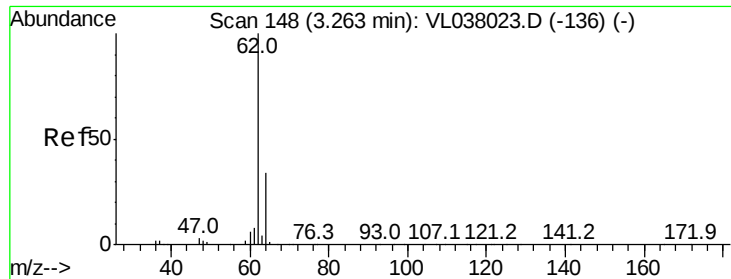
Tgt Ion: 50 Resp: 957390

Ion Ratio Lower Upper

50 100

52 31.7 26.4 39.6





#5

Vinyl Chloride

Concen: 18.079 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

62 100

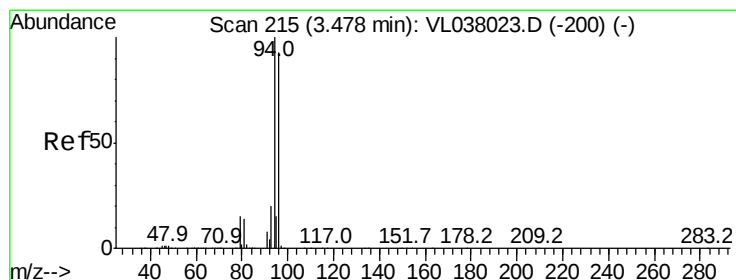
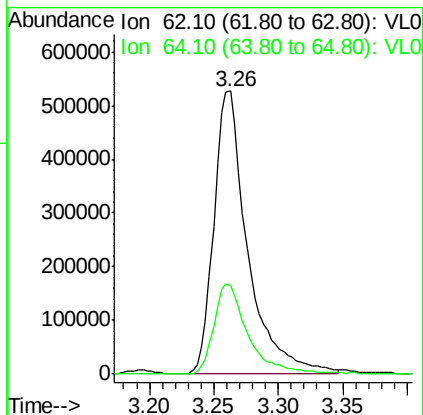
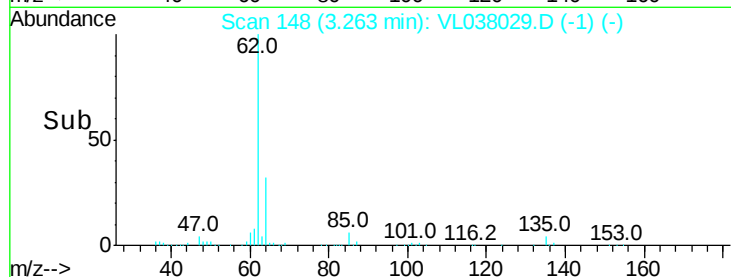
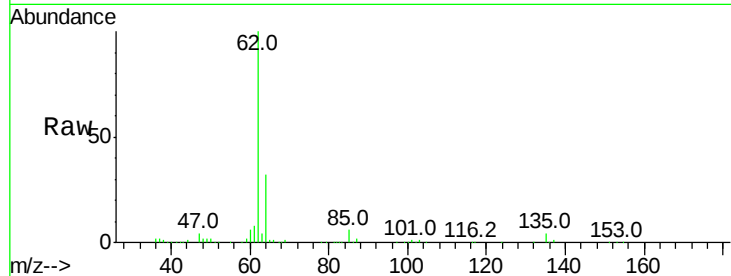
64 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#6

Bromomethane

Concen: 17.805 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038029.D

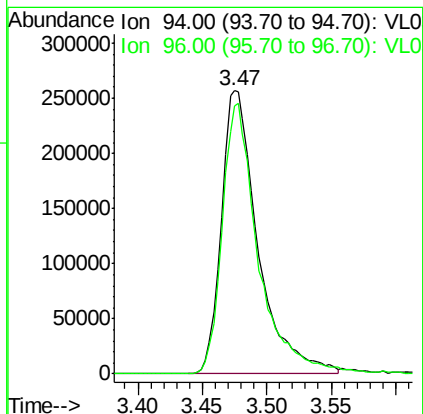
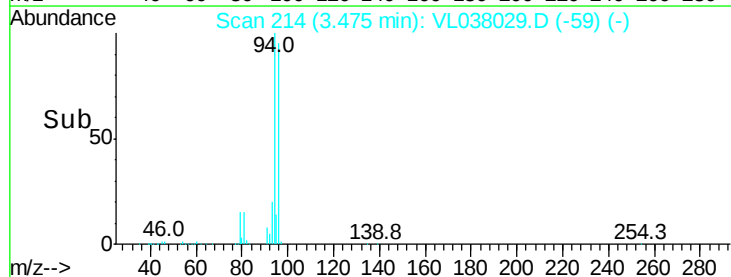
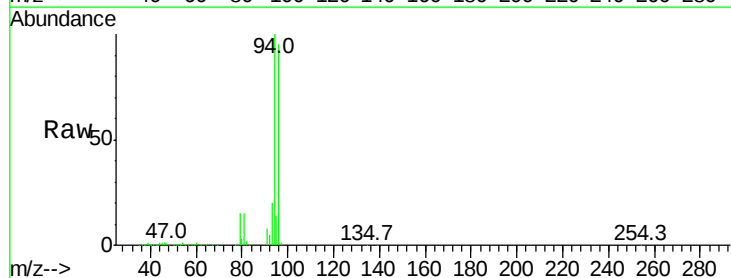
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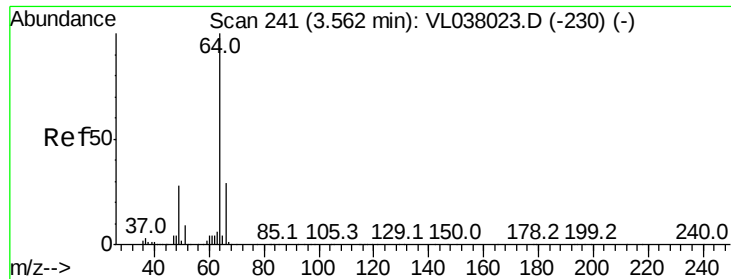
Tgt Ion: 94 Resp: 506447

Ion Ratio Lower Upper

94 100

96 94.6 74.8 112.2





#7

Chloroethane

Concen: 17.378 ppbv

RT: 3.56 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 VSTDIC015

Tot Ion:

Ion Ratio

64 100

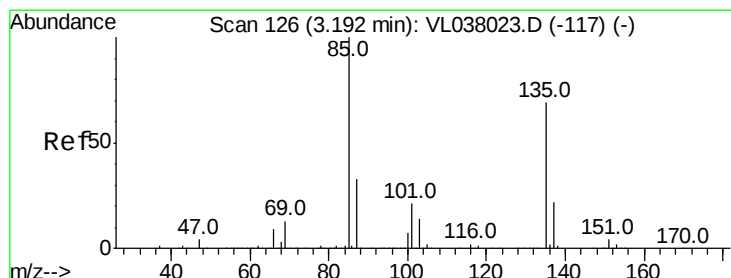
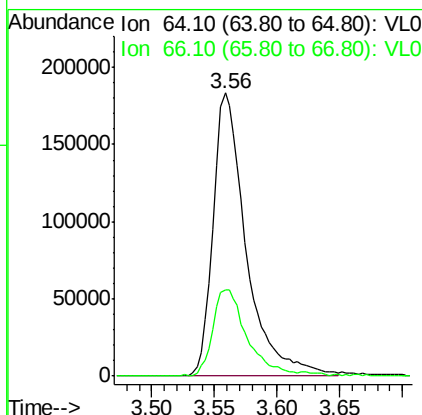
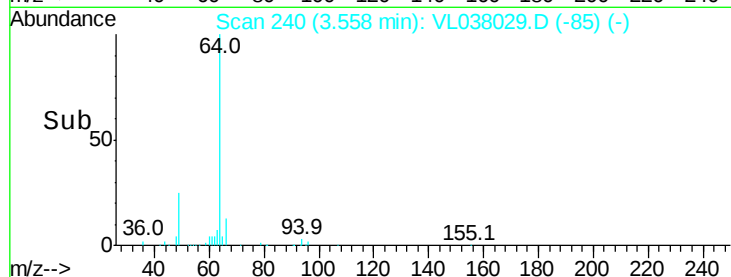
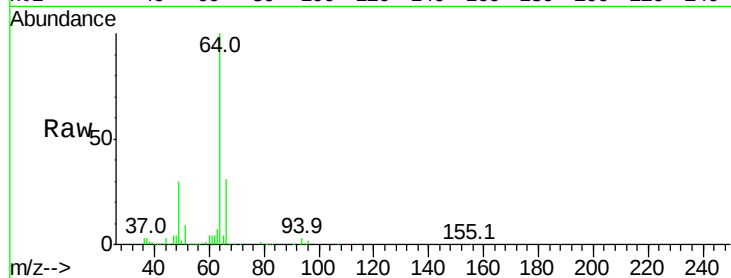
66 30.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#8

Dichlorotetrafluoroethane

Concen: 16.404 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038029.D

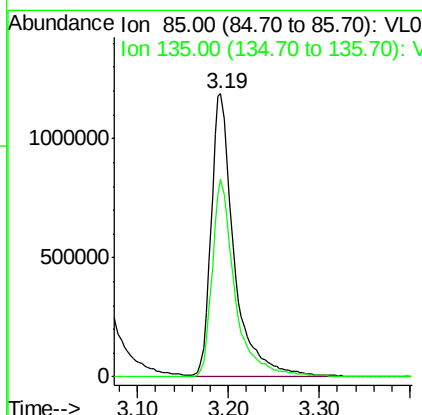
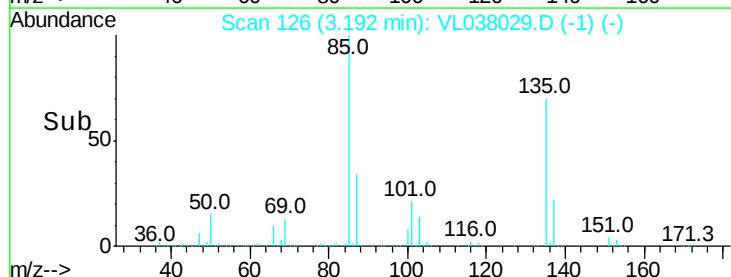
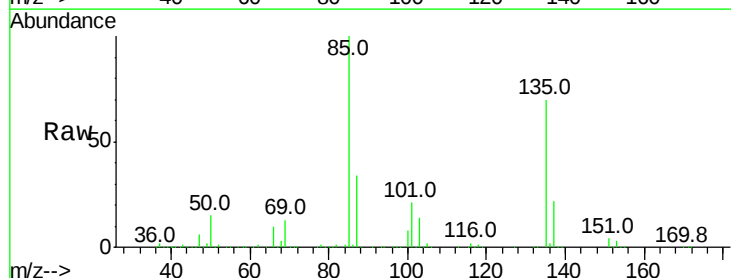
Acq: 16 Nov 2021 5:36

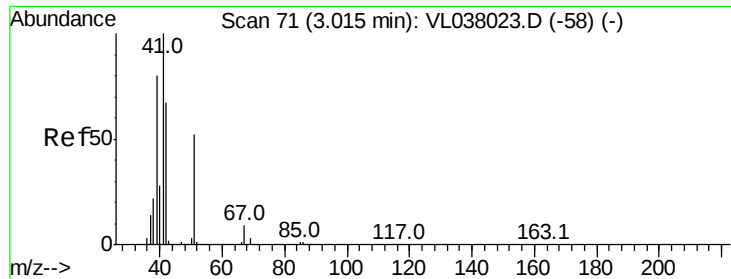
Tgt Ion: 85 Resp: 2069269

Ion Ratio Lower Upper

85 100

135 70.0 57.0 85.6





#9

Propene

Concen: 18.288 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

41 100

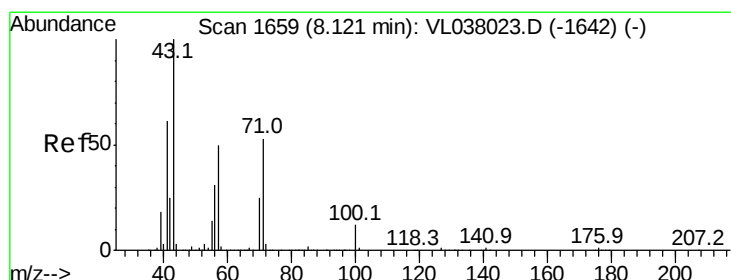
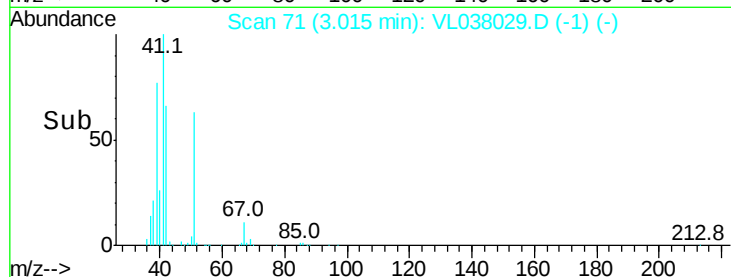
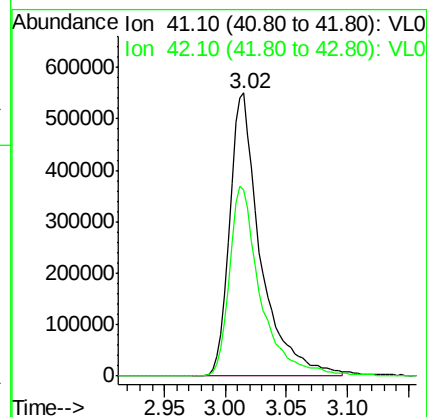
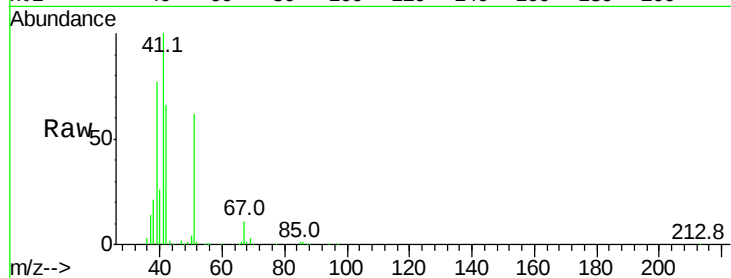
42 68.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#10

Heptane

Concen: 19.113 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL038029.D

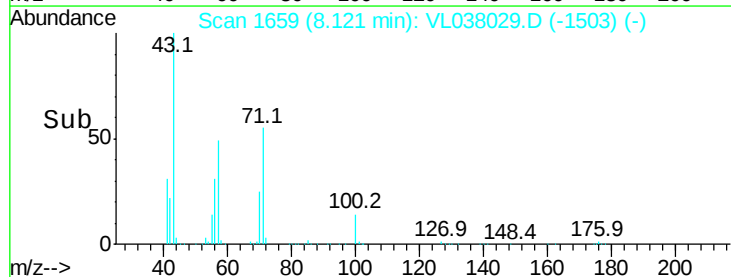
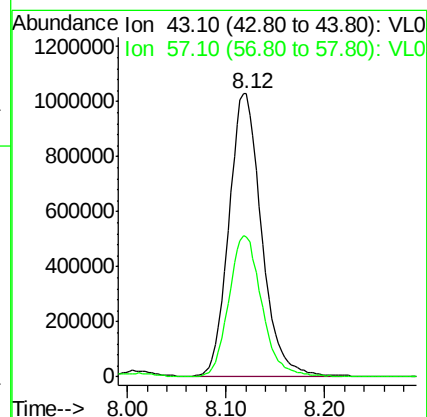
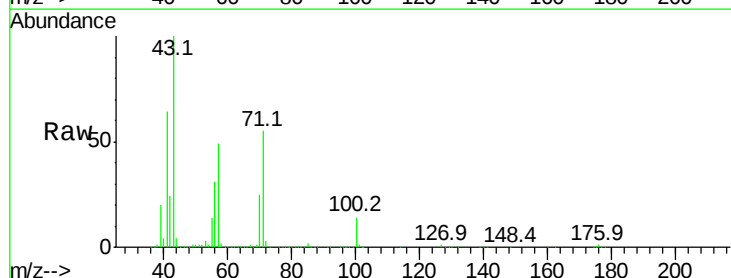
Acq: 16 Nov 2021 5:36

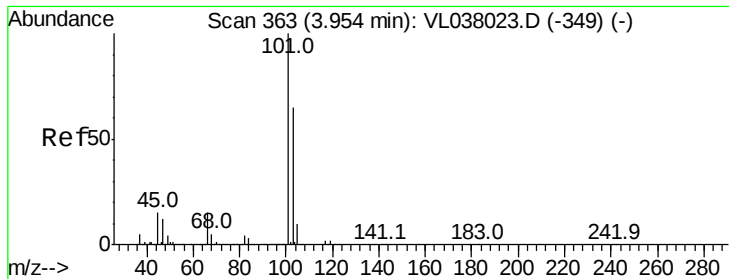
Tgt Ion: 43 Resp: 2357965

Ion Ratio Lower Upper

43 100

57 51.1 39.9 59.9



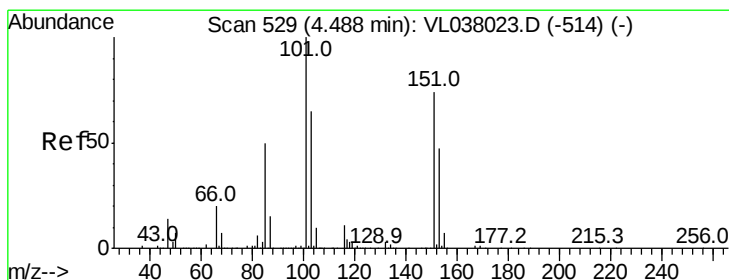
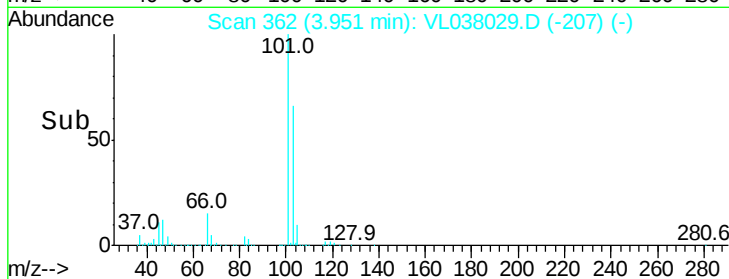
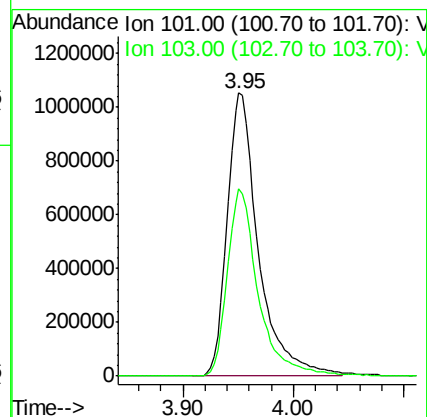
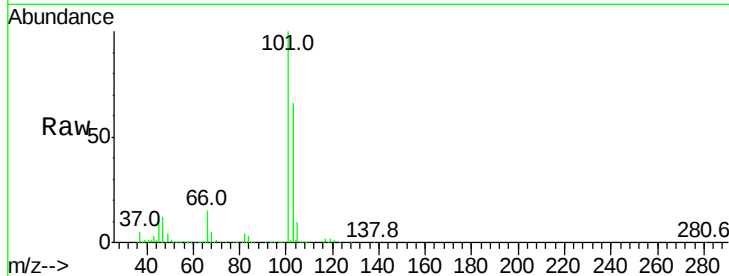


#11
 Trichlorofluoromethane
 Concen: 18.794 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 16 Nov 2021 5:30

Tot Ion:1
 Ion Rati
 101 100
 103 66.

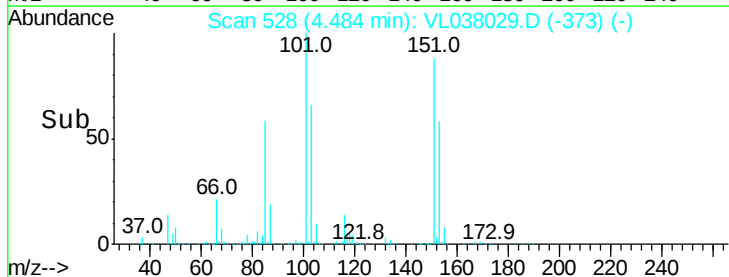
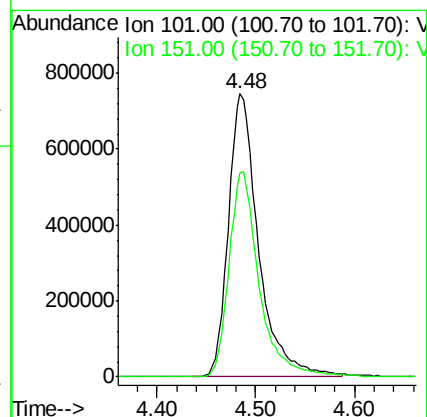
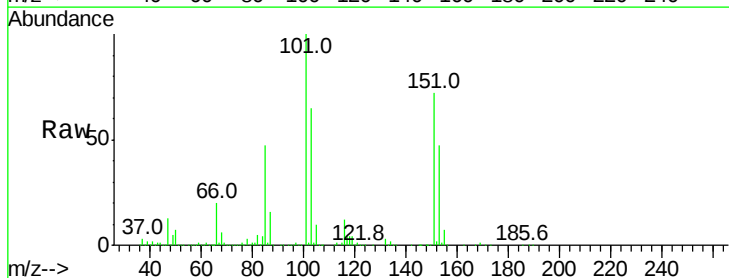
Manual Integrations
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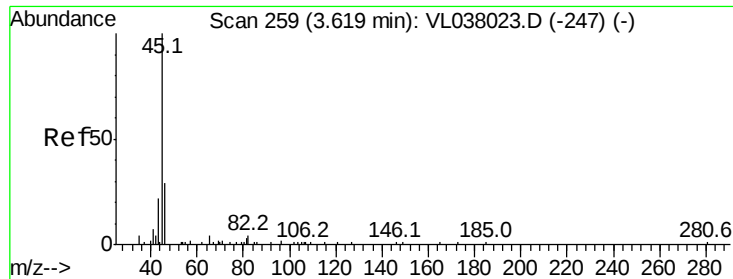
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.511 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion:101 Resp: 1595038
 Ion Ratio Lower Upper
 101 100
 151 73.1 57.9 86.9



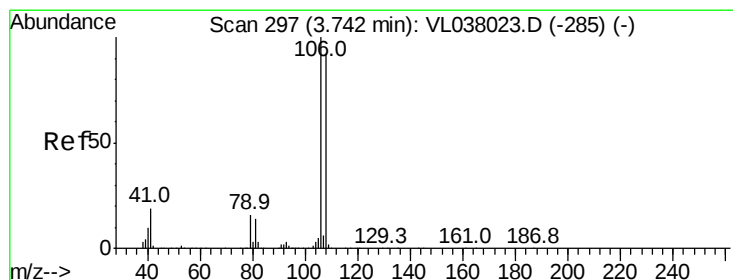
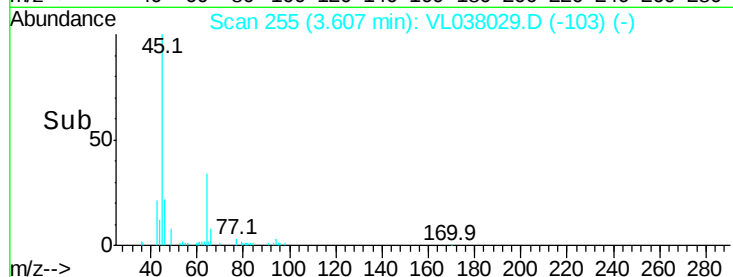
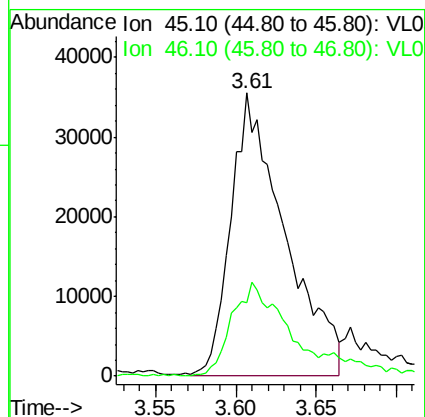
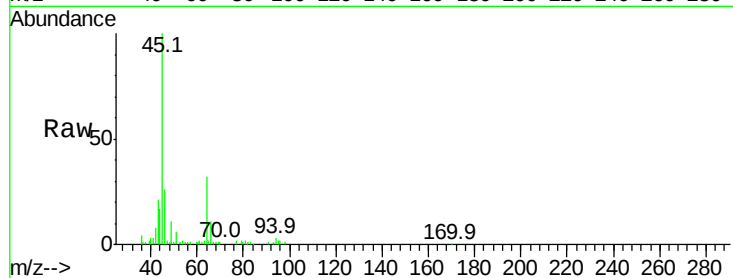


#13
Ethanol
Concen: 16.123 ppbv m
RT: 3.61
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

Tot Ion:
Ion Ratio
45 100
46 39.

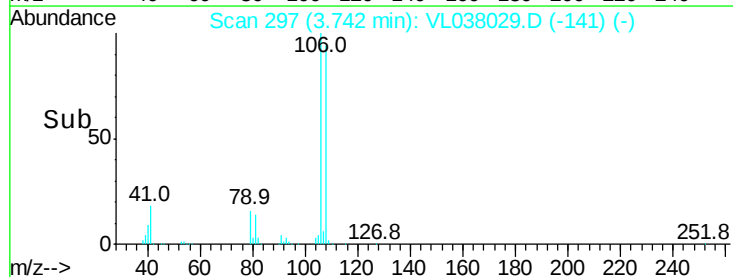
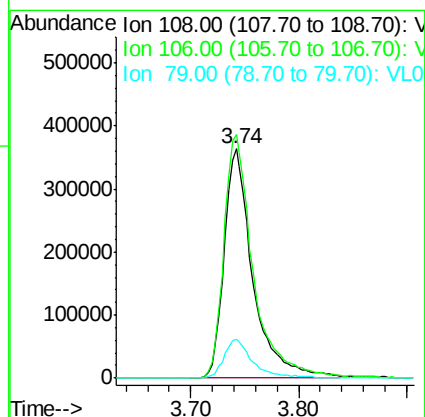
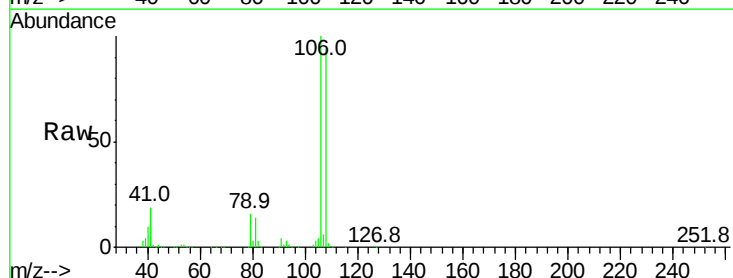
Manual Integrations
APPROVED

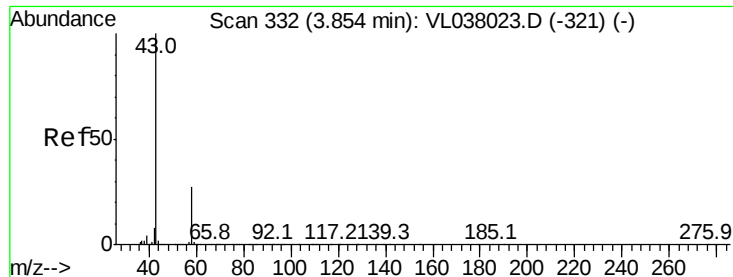
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#14
Bromoethene
Concen: 18.209 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion:108 Resp: 674493
Ion Ratio Lower Upper
108 100
106 109.3 90.4 135.6
79 17.7 14.1 21.1





#15

Acetone

Concen: 17.547 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

43 100

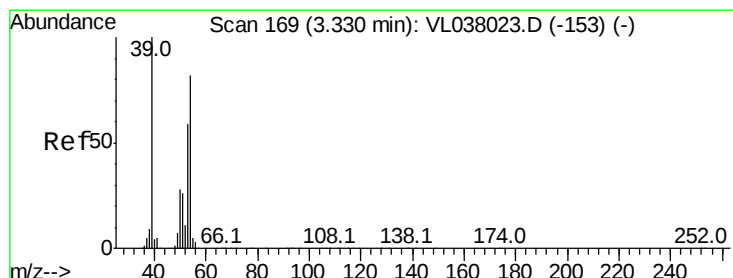
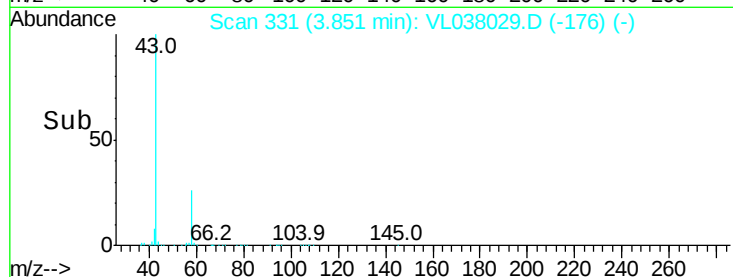
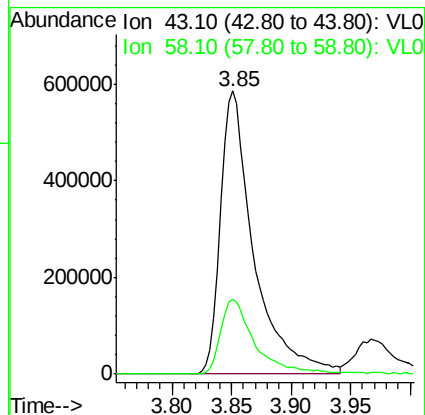
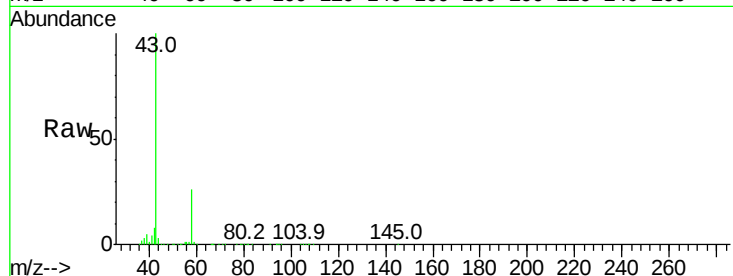
58 27.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#16

1,3-Butadiene

Concen: 18.199 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL038029.D

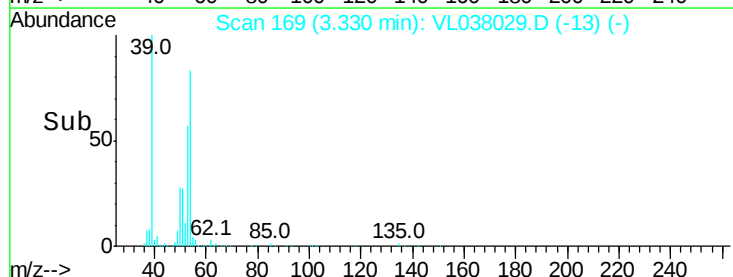
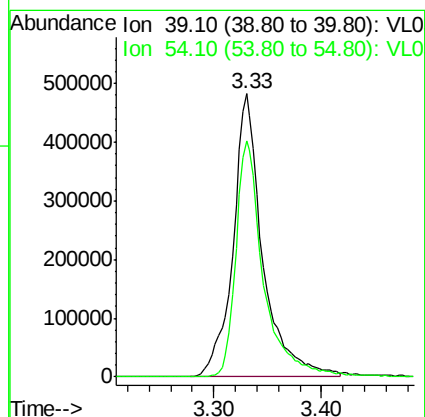
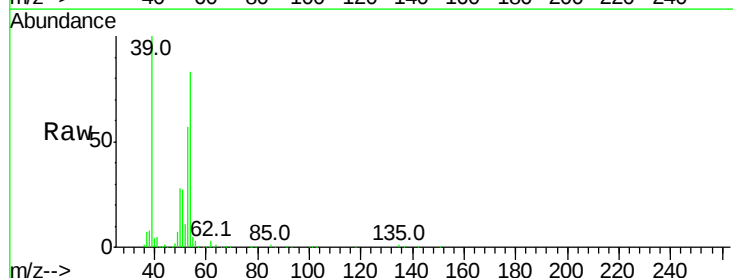
Acq: 16 Nov 2021 5:36

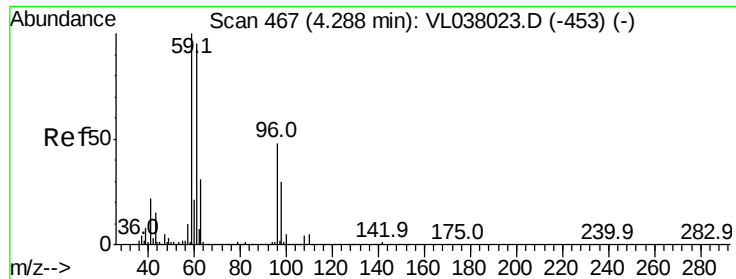
Tgt Ion: 39 Resp: 926236

Ion Ratio Lower Upper

39 100

54 78.3 63.8 95.8





#17

tert-Butyl alcohol

Concen: 19.502 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

59 100

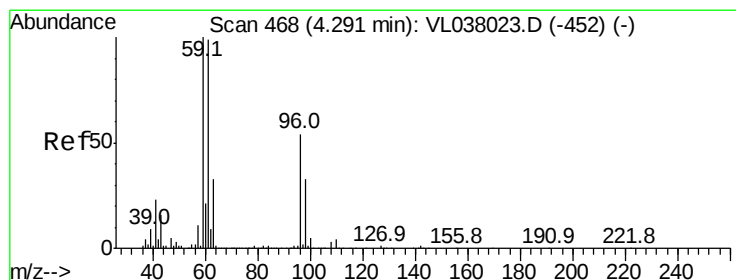
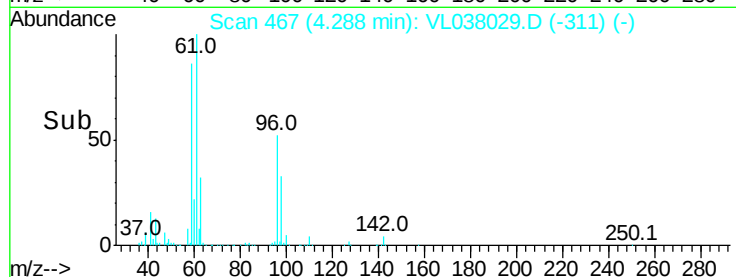
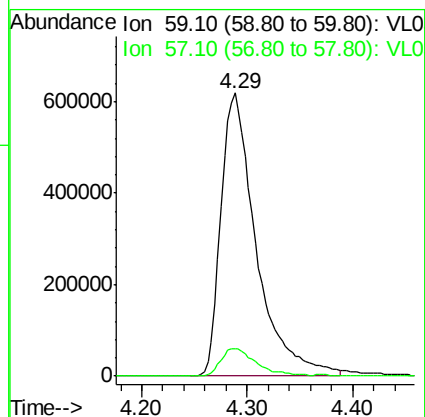
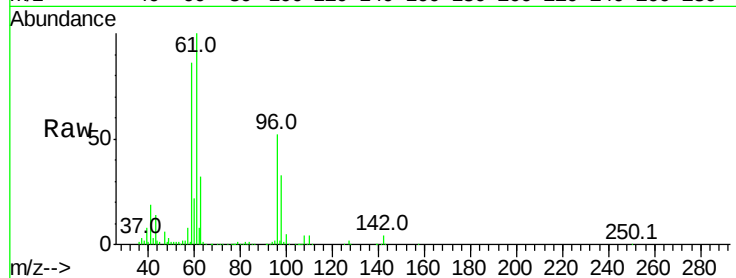
57 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#18

1,1-Dichloroethene

Concen: 18.502 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

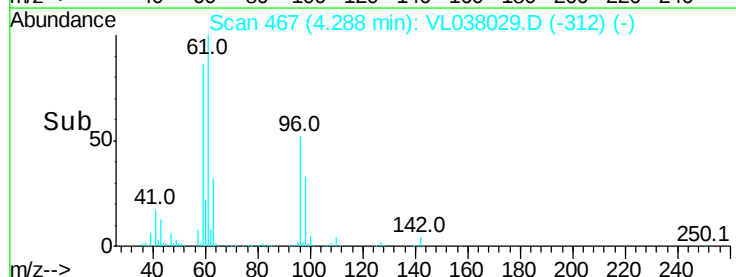
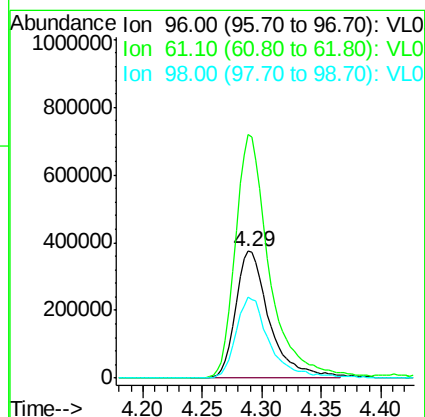
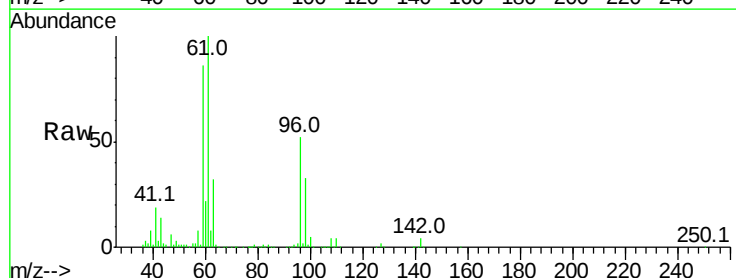
Tgt Ion: 96 Resp: 737585

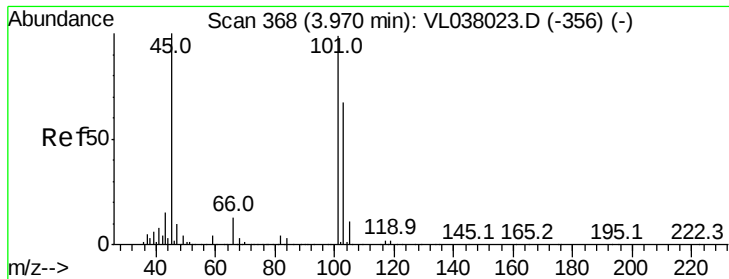
Ion Ratio Lower Upper

96 100

61 191.9 145.2 217.8

98 63.9 48.8 73.2



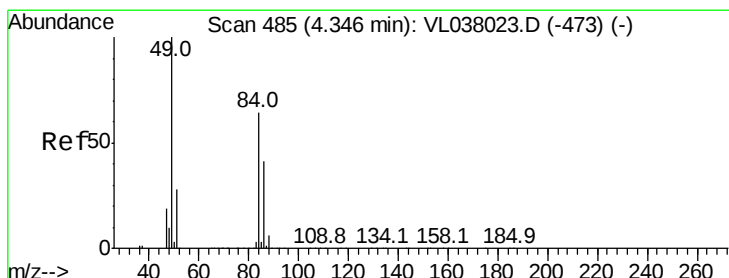
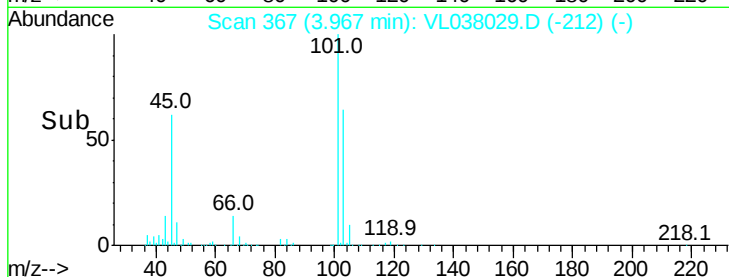
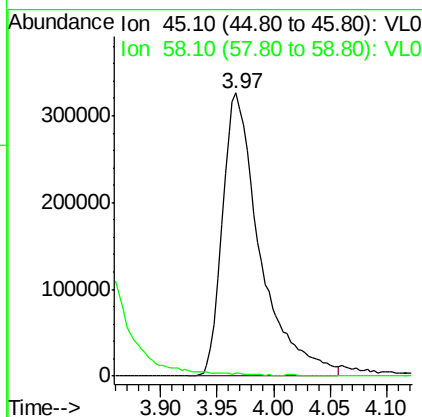
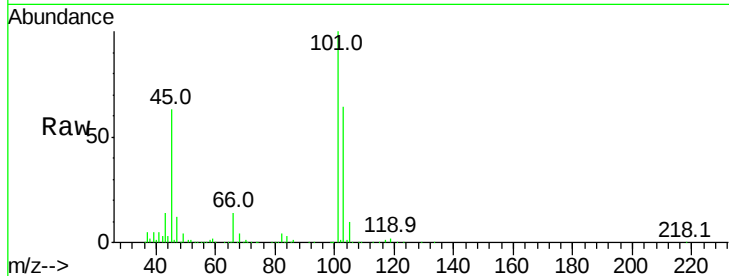


#19
Isopropyl Alcohol
Concen: 17.705 ppbv
RT: 3.97 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDIC015
Acq: 16 Nov 2021 5:36

Tot Ion:
Ion Ratio
45 100
58 41.

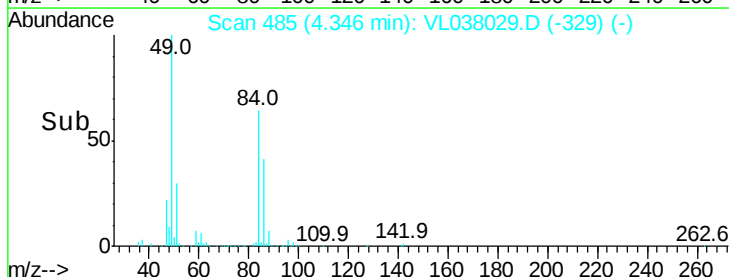
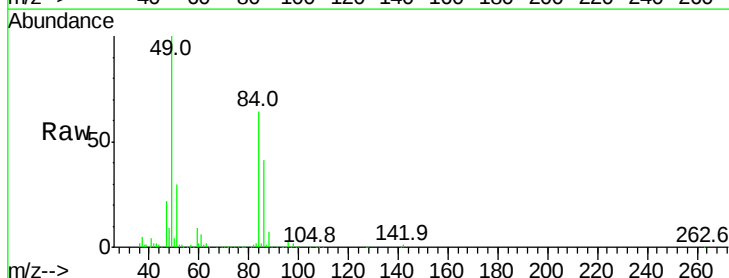
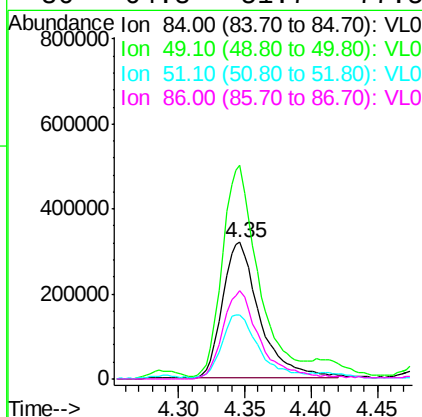
Manual Integrations
APPROVED

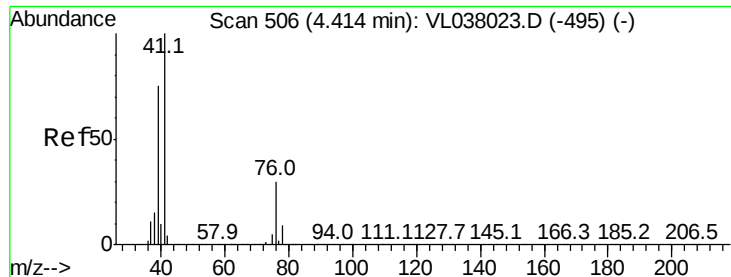
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#20
Methylene Chloride
Concen: 17.705 ppbv
RT: 4.35 min Scan# 485
Delta R.T.: 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 84 Resp: 629768
Ion Ratio Lower Upper
84 100
49 155.0 125.1 187.7
51 46.2 35.3 52.9
86 64.8 51.7 77.5





#21

Allvl Chloride

Concen: 20.543 ppbv

RT: 4.41

Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

41 100

76 29.

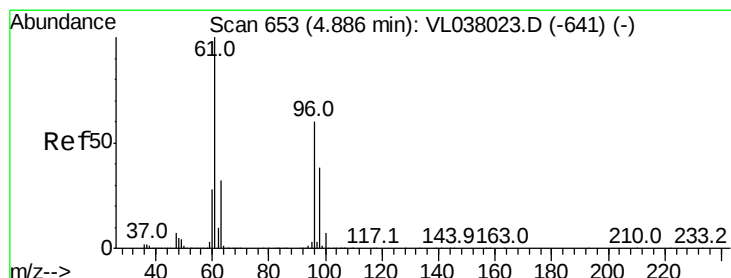
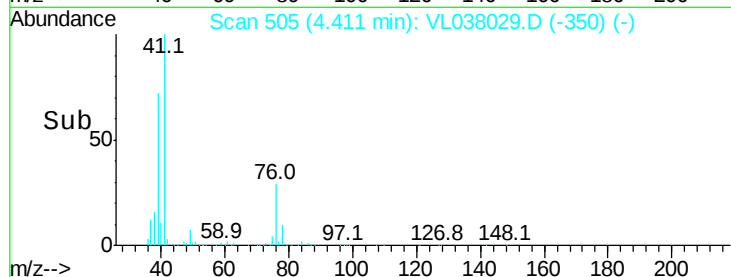
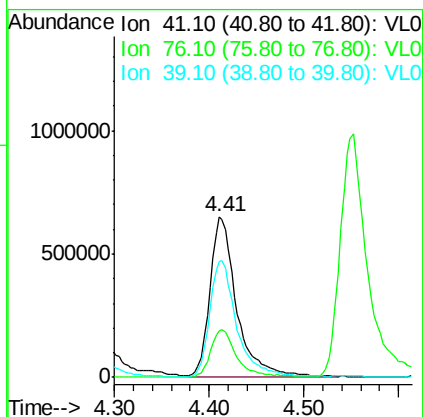
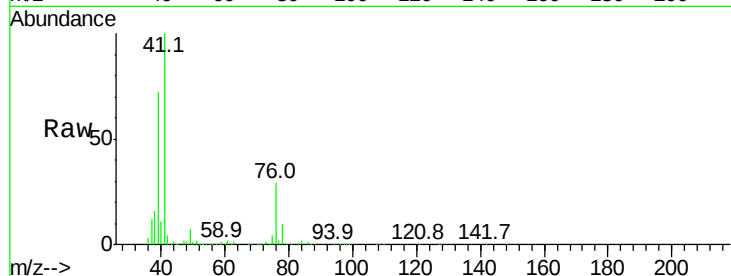
39 73.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#22

trans-1,2-Dichloroethene

Concen: 20.061 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

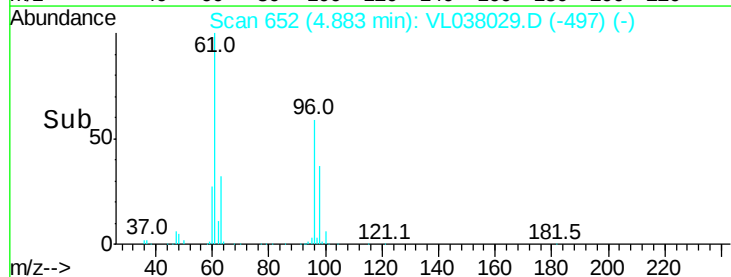
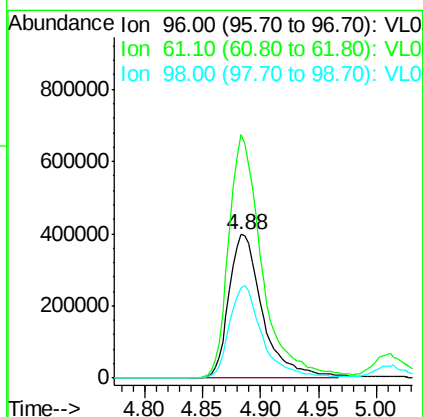
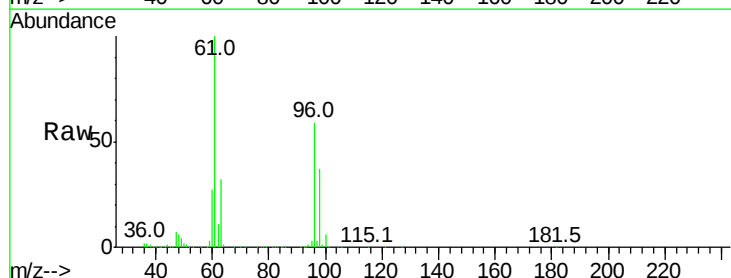
Tgt Ion: 96 Resp: 804774

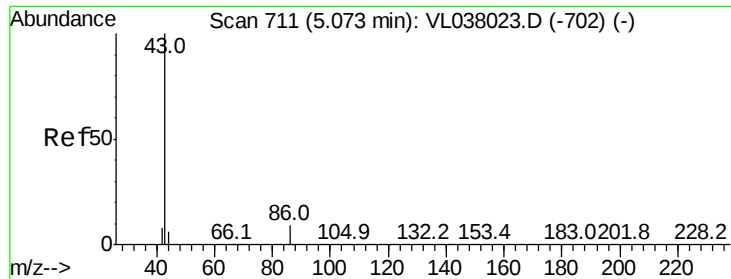
Ion Ratio Lower Upper

96 100

61 169.6 134.2 201.4

98 62.7 51.3 76.9



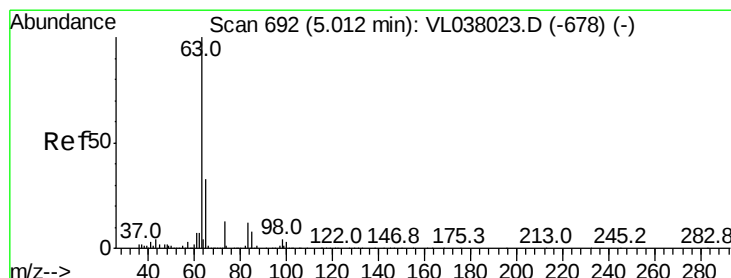
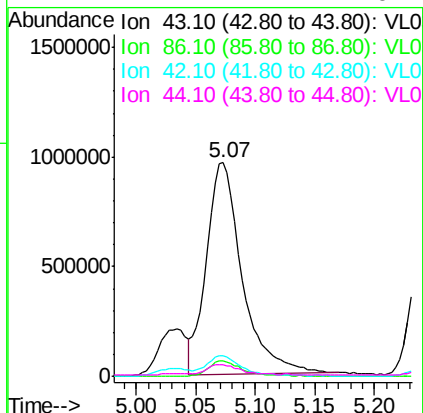
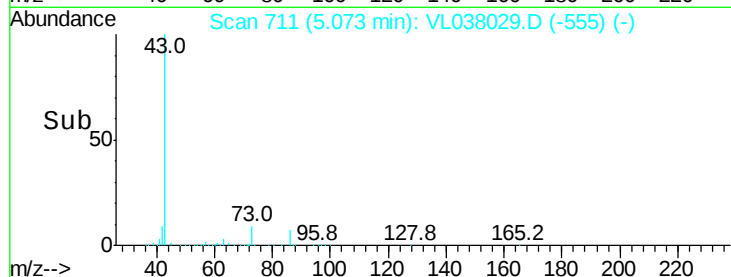
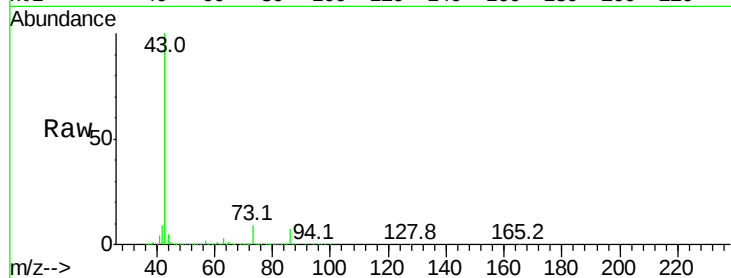


#23
 Vinyl Acetate
 Concen: 19.930 ppbv
 RT: 5.07
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 16 Nov 2021 5:36

Tot Ion:
 Ion Ratio
 43 100
 86 7.
 42 9.
 44 4.7 4.1 6.1

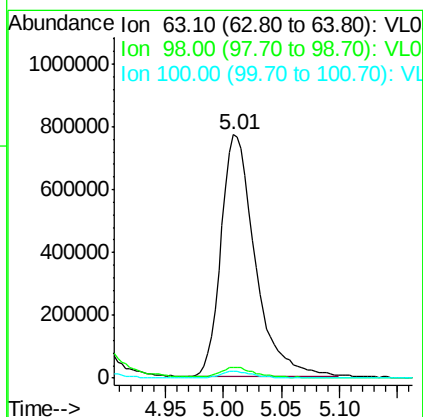
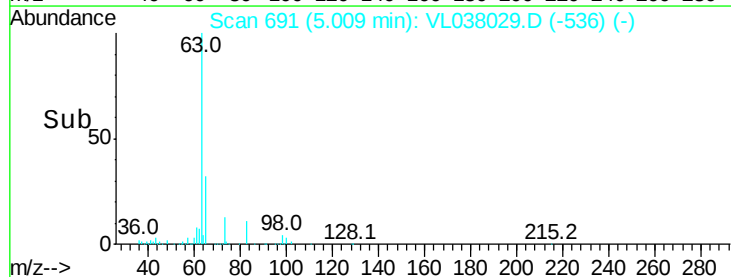
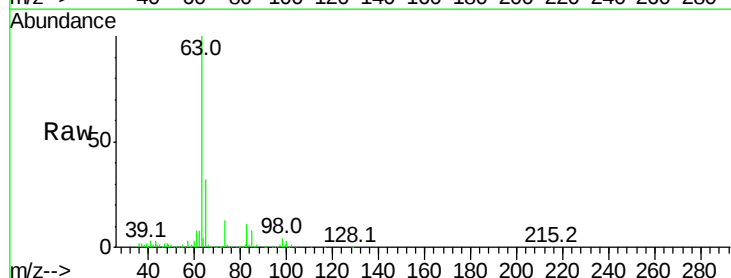
Manual Integrations
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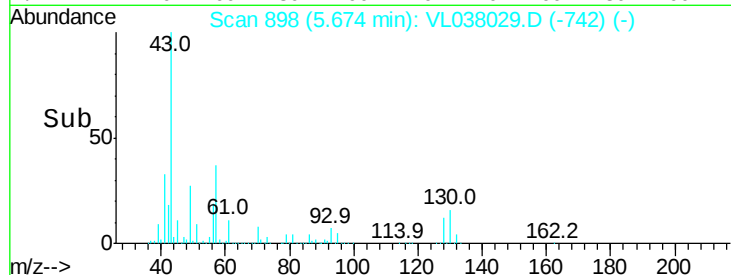
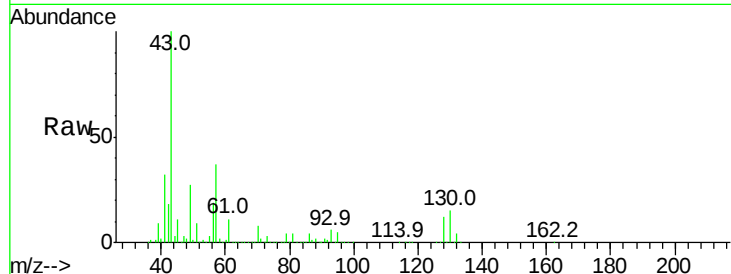
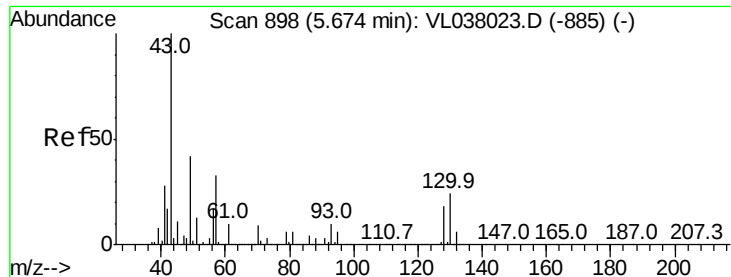
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#24
 1,1-Dichloroethane
 Concen: 19.108 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion: 63 Resp: 1571492
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.3 6.9
 100 2.9 1.5 4.4



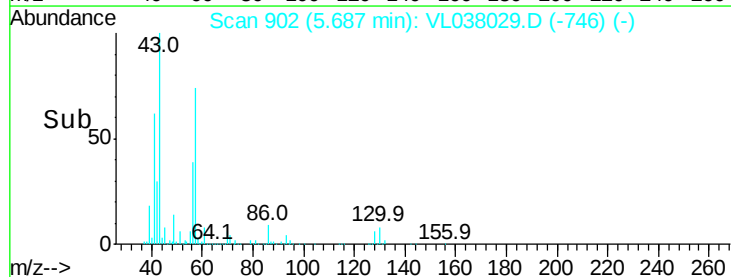
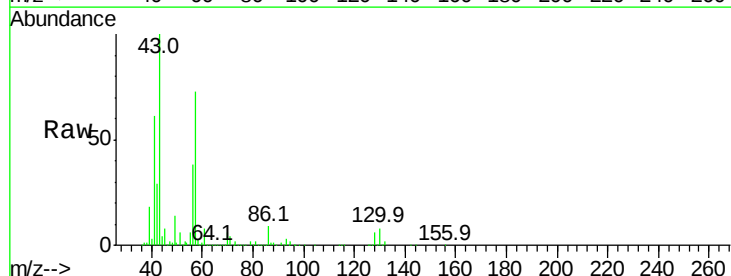
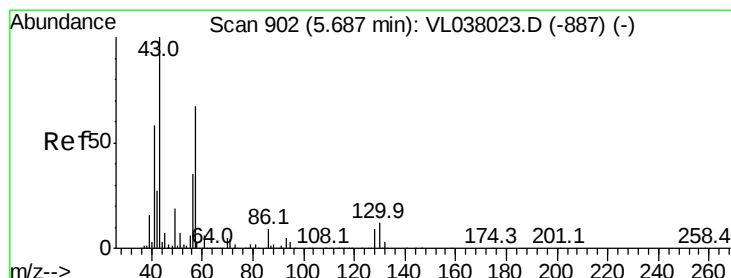
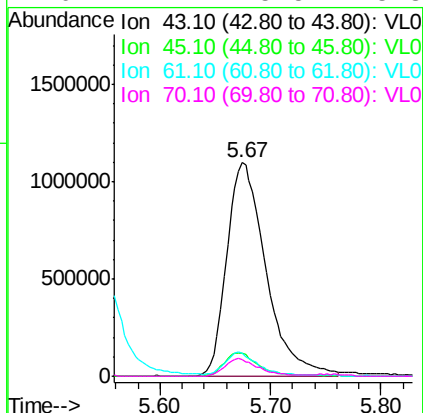


#25
Ethyl Acetate
Concen: 14.686 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC015
Acq: 16 Nov 2021 5:30

Tot Ion:
Ion Ratio
43 100
45 10.
61 10.
70 7.1 5.5 8.3

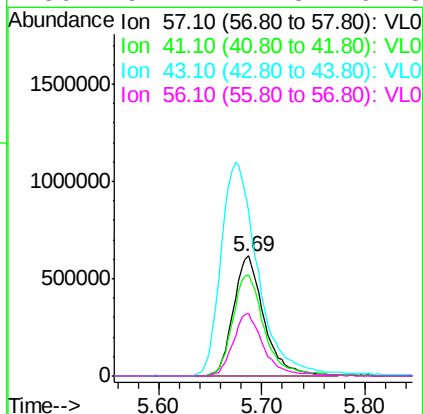
Manual Integrations APPROVED

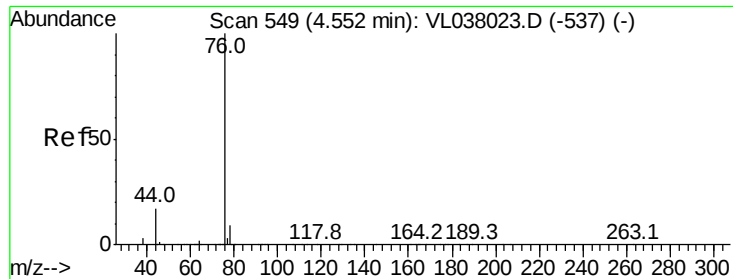
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#26
Hexane
Concen: 14.687 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 57 Resp: 1284874
Ion Ratio Lower Upper
57 100
41 88.0 70.8 106.2
43 214.8 169.4 254.0
56 52.4 41.8 62.8





#27

Carbon Disulfide

Concen: 21.678 ppbv

RT: 4.55 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30 VSTDIC015

Tot Ion:

Ion Ratio

76 100

44 18.

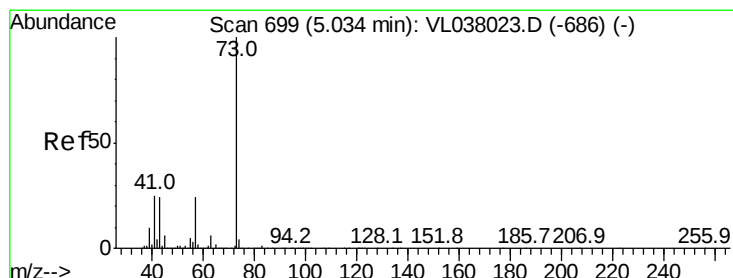
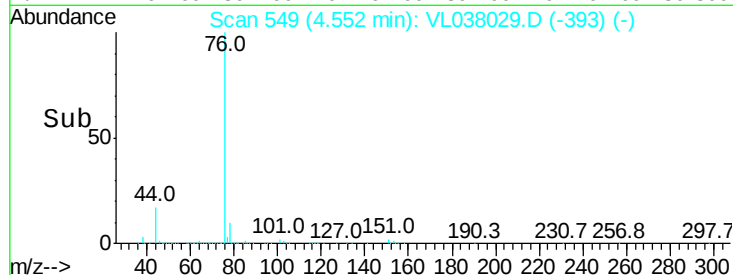
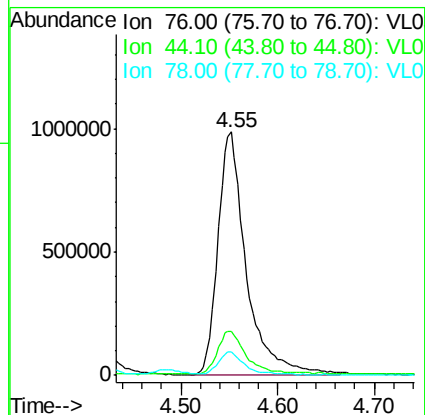
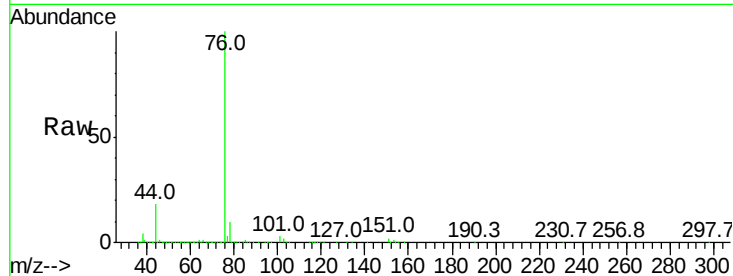
78 9.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#28

Methyl tert-Butyl Ether

Concen: 22.597 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL038029.D

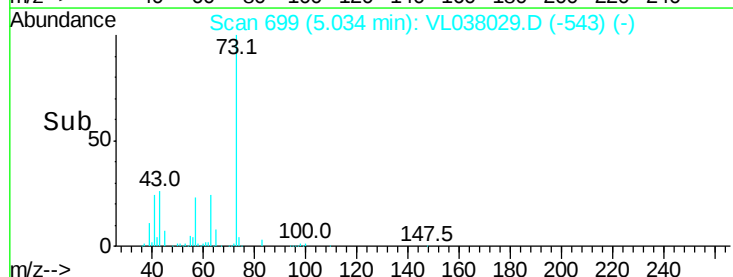
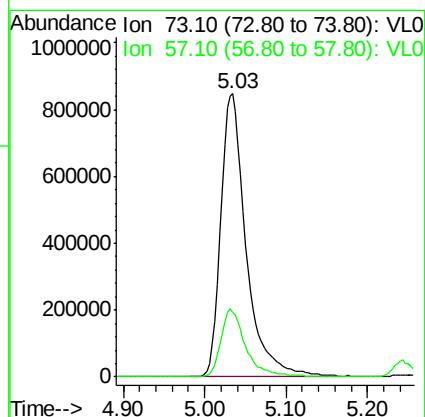
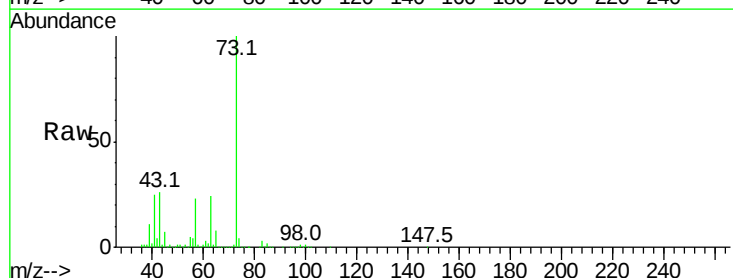
Acq: 16 Nov 2021 5:36

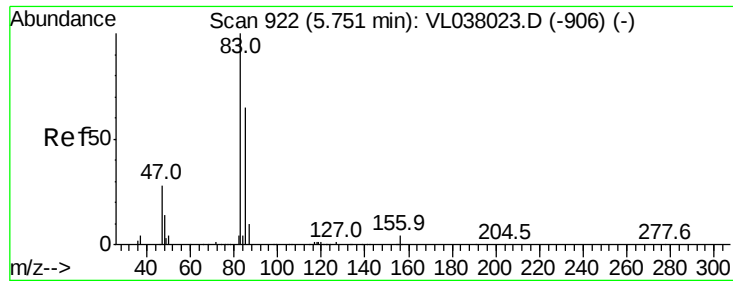
Tgt Ion: 73 Resp: 1867094

Ion Ratio Lower Upper

73 100

57 23.7 19.1 28.7



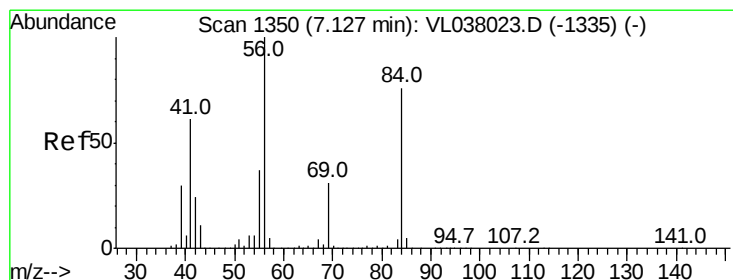
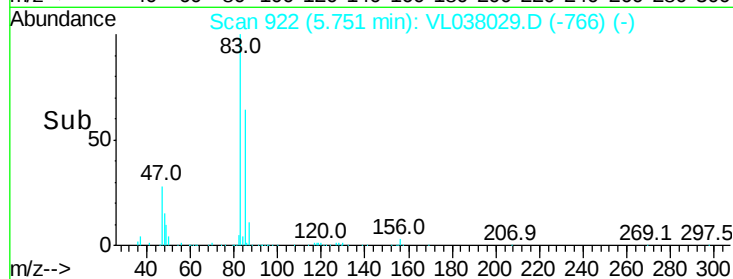
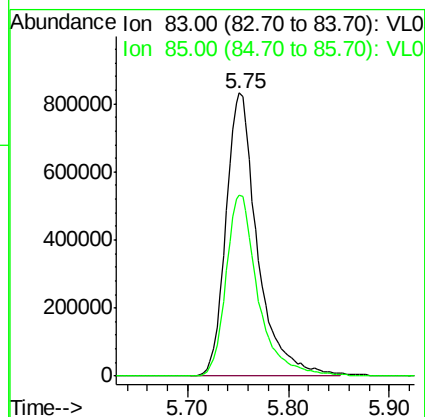
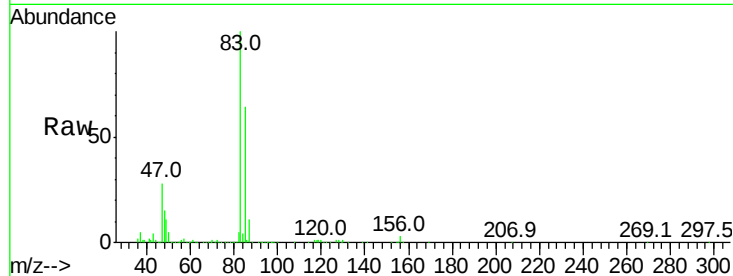


#29
Chloroform
Concen: 13.522 ppbv
RT: 5.75
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

Tot Ion:
Ion Ratio
83 100
85 63.

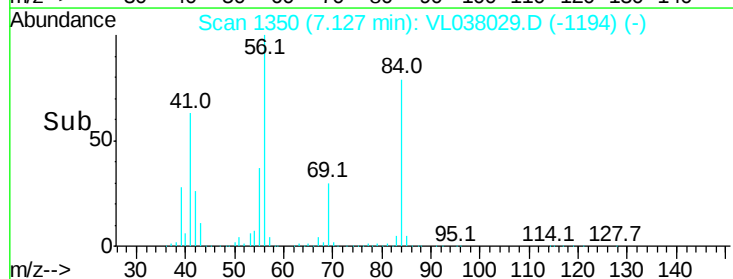
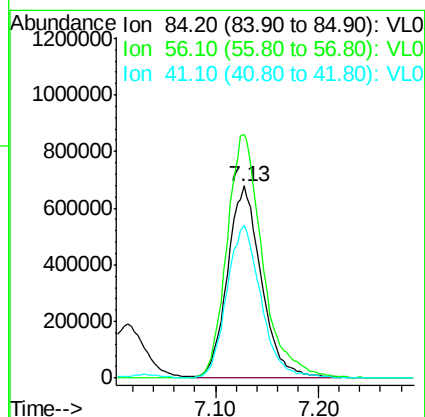
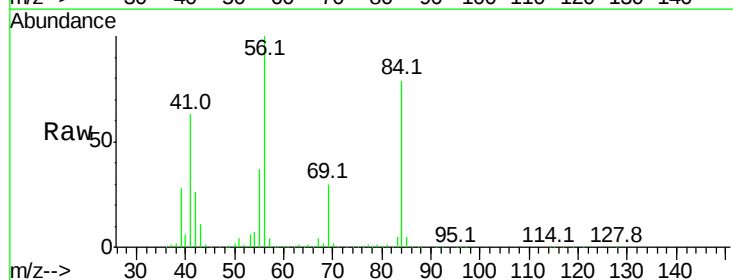
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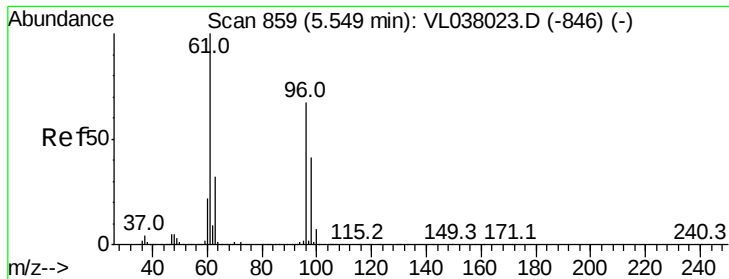
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#30
Cyclohexane
Concen: 19.342 ppbv
RT: 7.13 min Scan# 1350
Delta R.T.: 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 84 Resp: 1543500
Ion Ratio Lower Upper
84 100
56 134.9 109.4 164.2
41 81.0 65.8 98.6





#31

cis-1,2-Dichloroethene

Concen: 15.810 ppbv

RT: 5.55 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 16 Nov 2021 VSTDIC015

Tot Ion:

Ion Ratio

61 100

96 66.

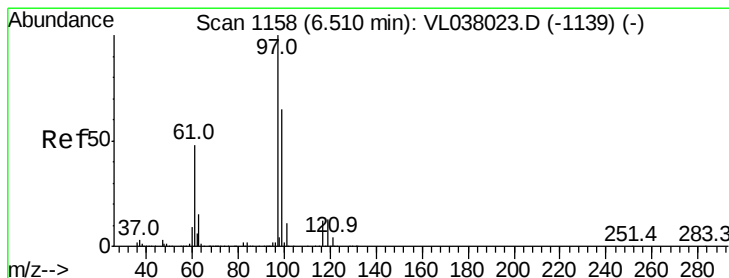
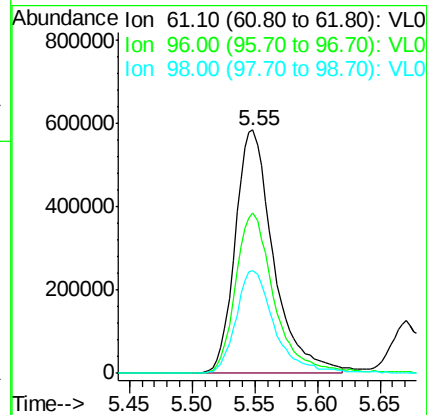
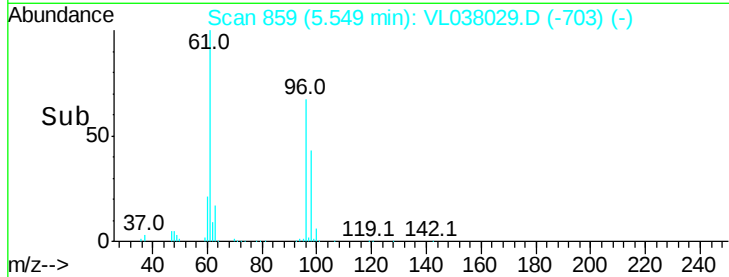
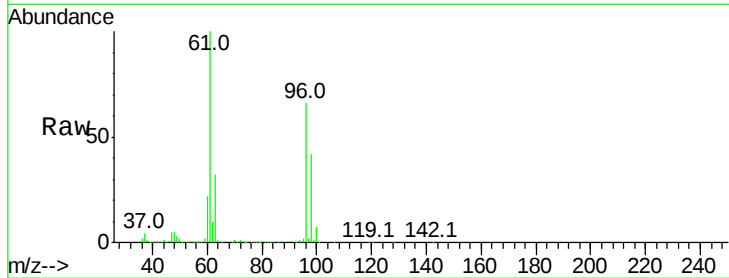
98 42.

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Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#32

1,1,1-Trichloroethane

Concen: 19.167 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

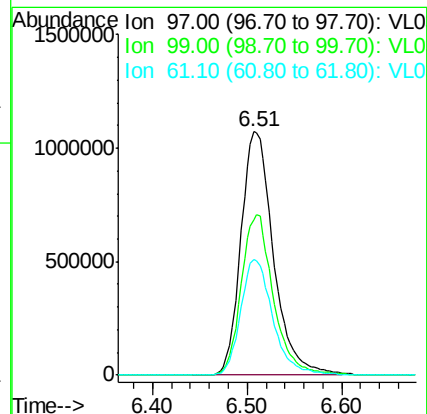
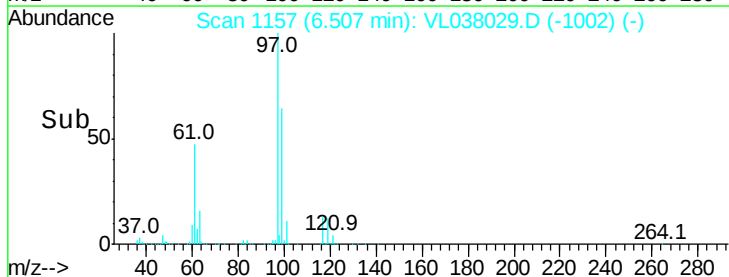
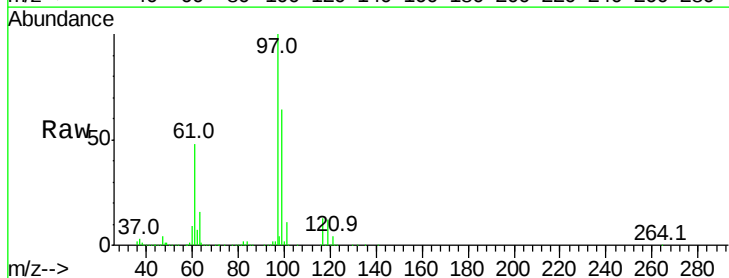
Tgt Ion: 97 Resp: 2567848

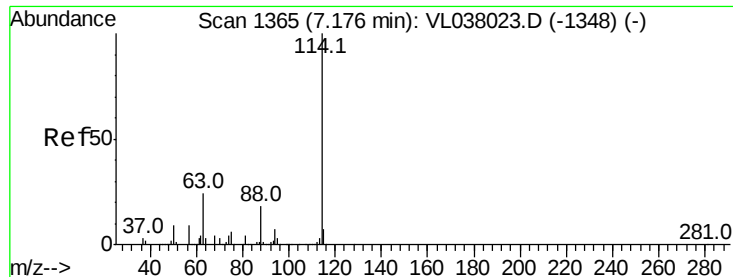
Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 47.0 37.9 56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Instrument: MSVOA_1

Delta R.T.:

Client SampleId:

Lab File: VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion: 1

Ion Ratio

114 100

63 24.

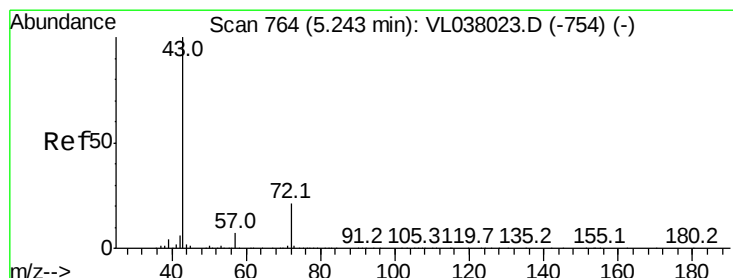
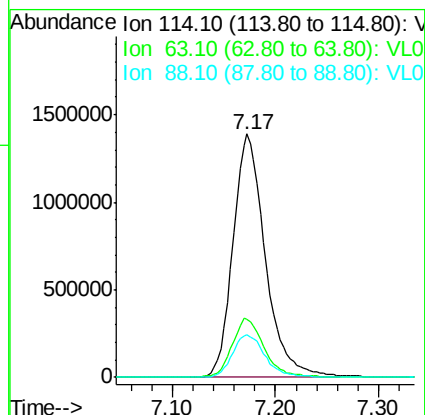
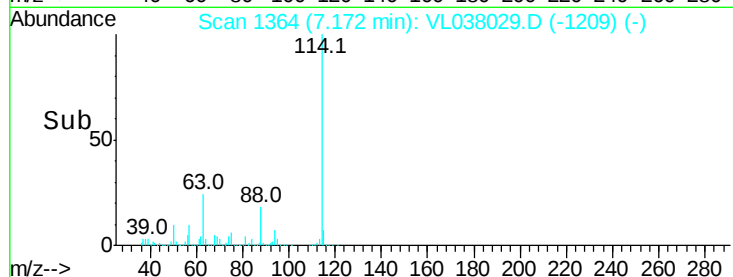
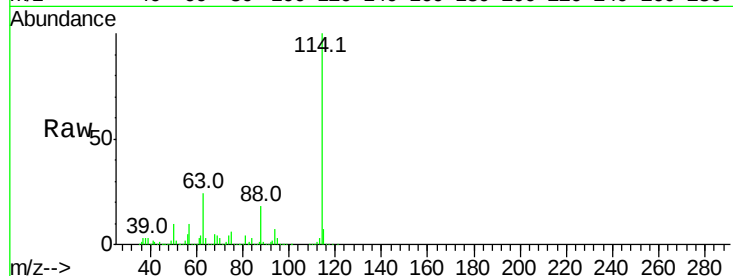
88 18.

Manual Integrations

APPROVED

Reviewed By: Semsettin Yesilyurt 11/17/2021

Supervised By: Mahesh Dadoda 11/17/2021



#34

2-Butanone

Concen: 11.743 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL038029.D

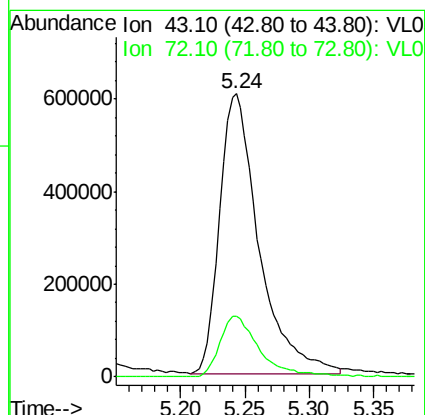
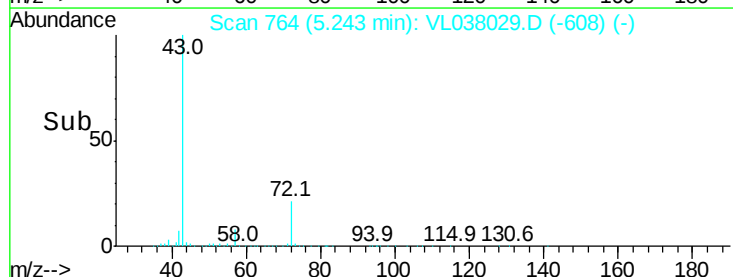
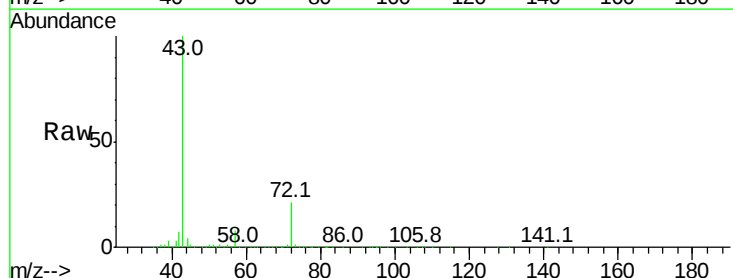
Acq: 16 Nov 2021 5:36

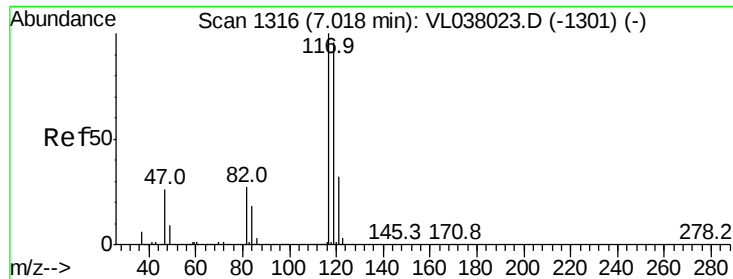
Tgt Ion: 43 Resp: 1276633

Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.4





#35

Carbon Tetrachloride

Concen: 13.894 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30

Tot Ion:1

Ion Rati

117 100

119 95.

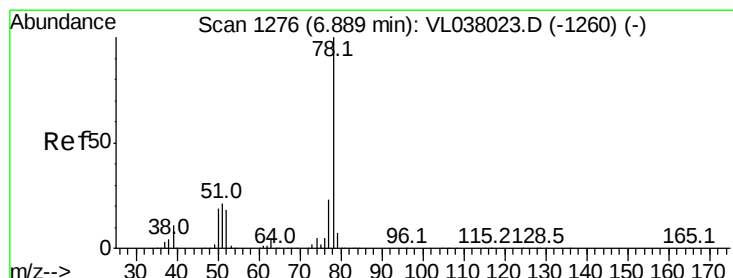
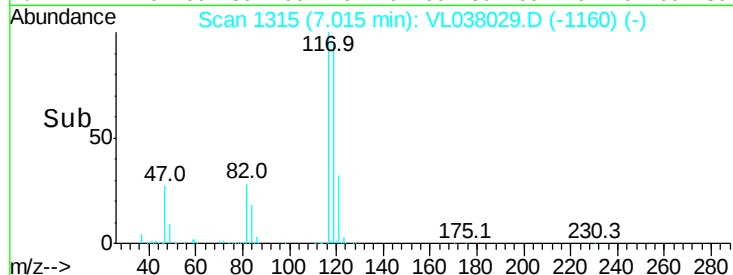
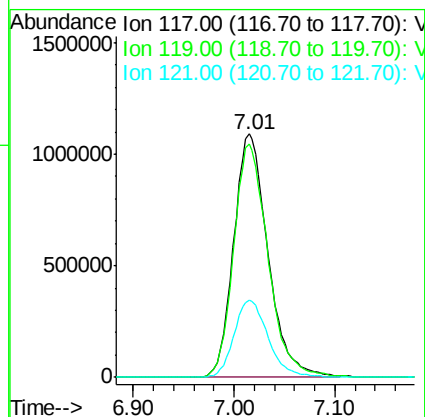
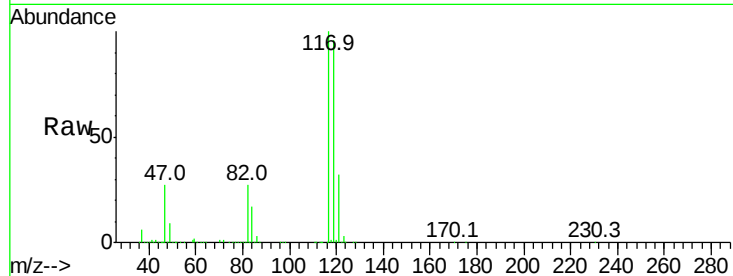
121 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#36

Benzene

Concen: 14.634 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

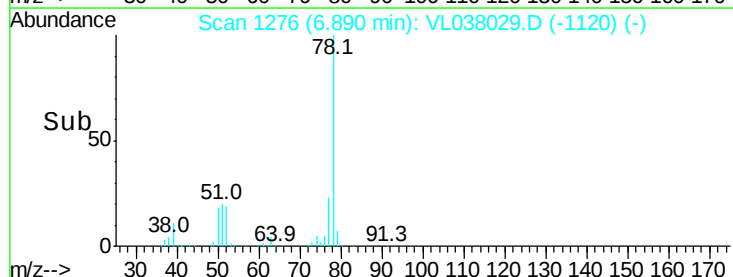
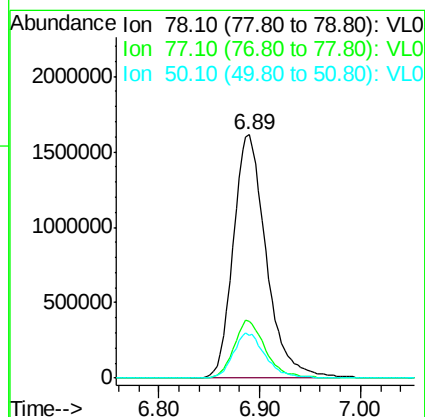
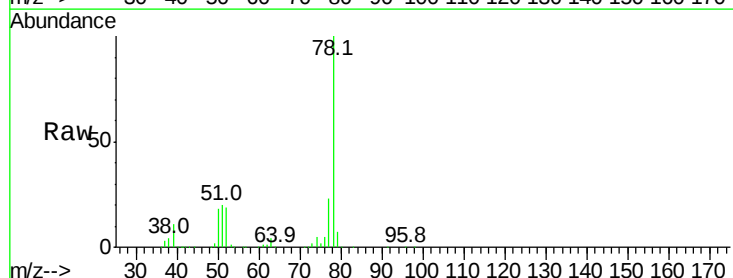
Tgt Ion: 78 Resp: 3658034

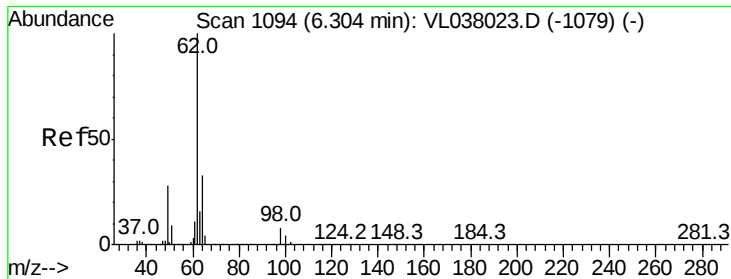
Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2

50 17.7 14.9 22.3



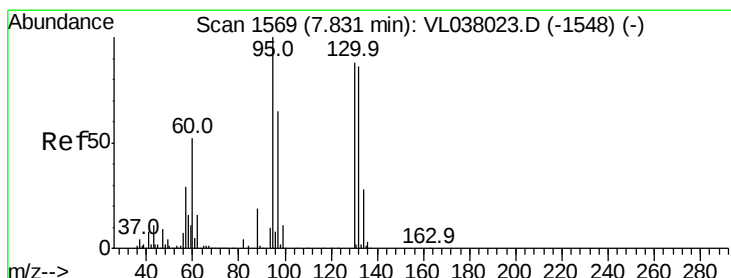
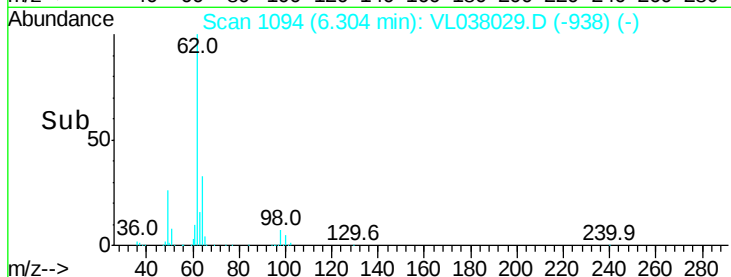
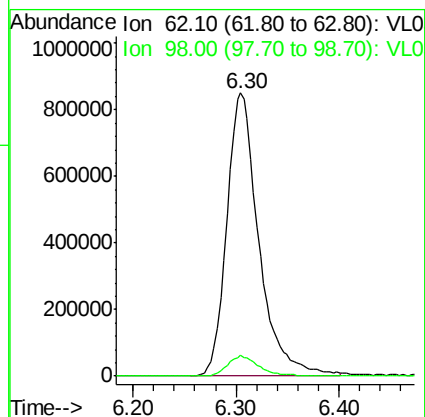
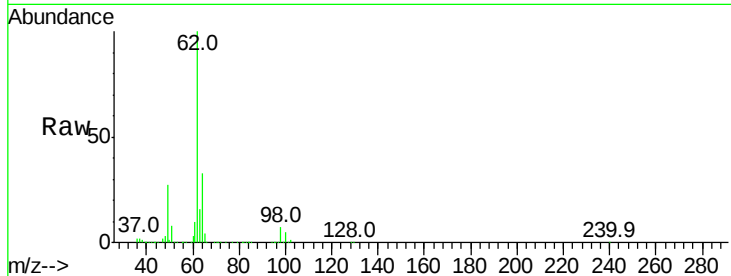


#37
 1,2-Dichloroethane
 Concen: 15.413 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 16 Nov 2021 5:30

Tot Ion:
 Ion Ratio
 62 100
 98 7.

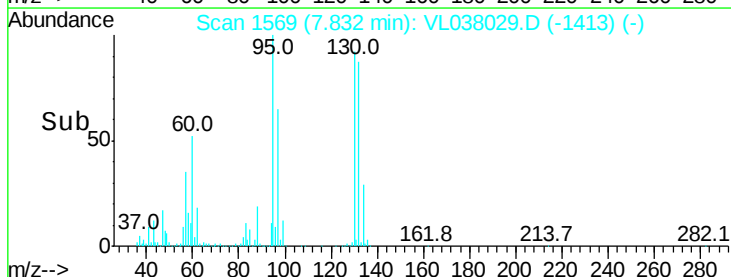
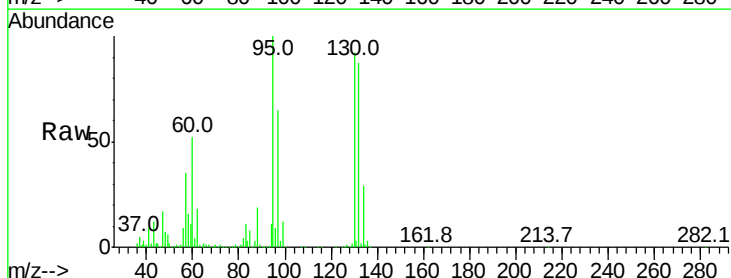
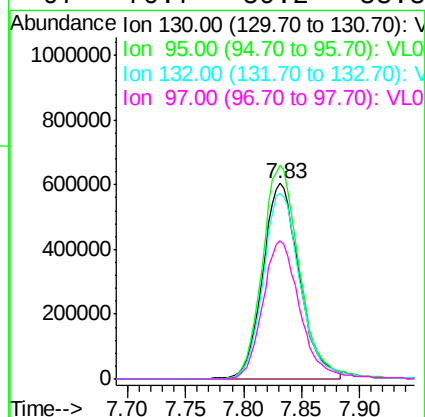
Manual Integrations
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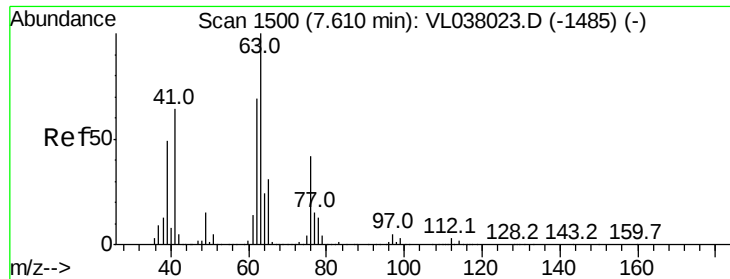
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#38
 Trichloroethene
 Concen: 12.929 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion:130 Resp: 1323381
 Ion Ratio Lower Upper
 130 100
 95 109.1 90.5 135.7
 132 95.0 77.4 116.0
 97 70.7 59.2 88.8



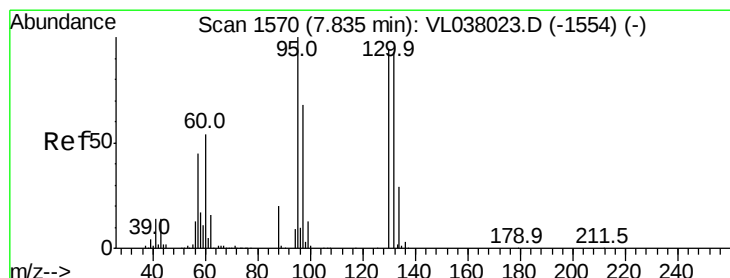
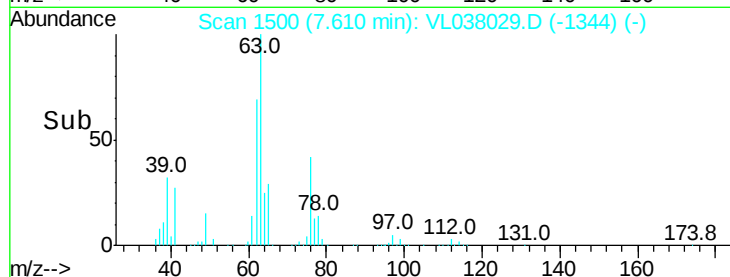
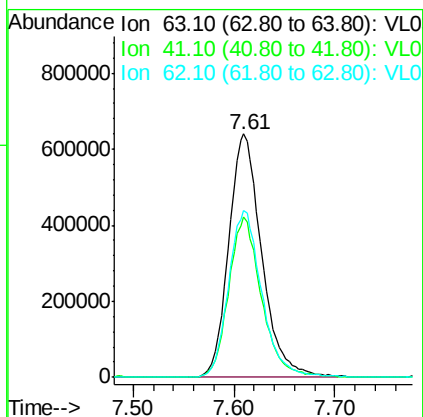
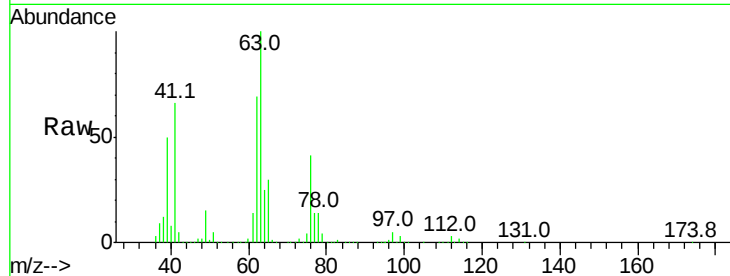


#39
 1,2-Dichloropropane
 Concen: 15.316 ppbv
 RT: 7.61
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC015
 Acq: 16 Nov 2021 5:36

Tot Ion:
 Ion Ratio
 63 100
 41 65.
 62 68.

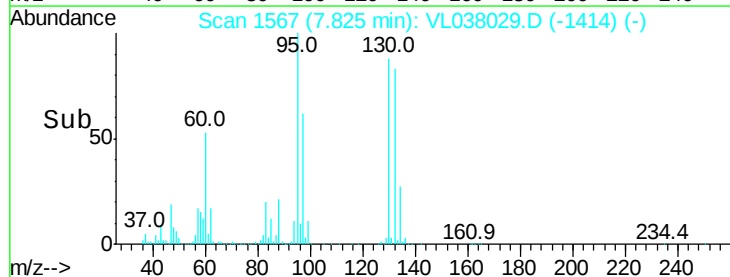
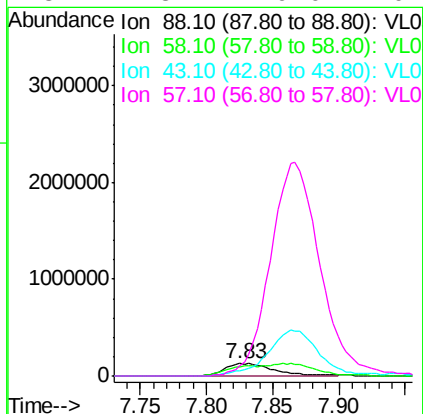
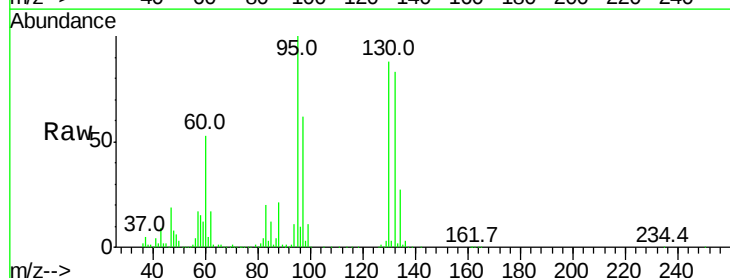
Manual Integrations
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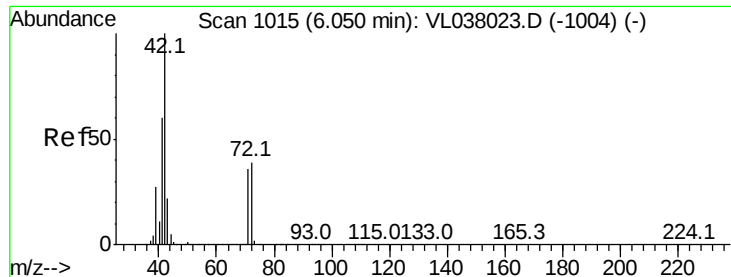
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#40
 1,4-Dioxane
 Concen: 13.615 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion: 88 Resp: 333513
 Ion Ratio Lower Upper
 88 100
 58 156.5 0.0 0.0#
 43 393.2 0.0 0.0#
 57 1745.7 0.0 0.0#



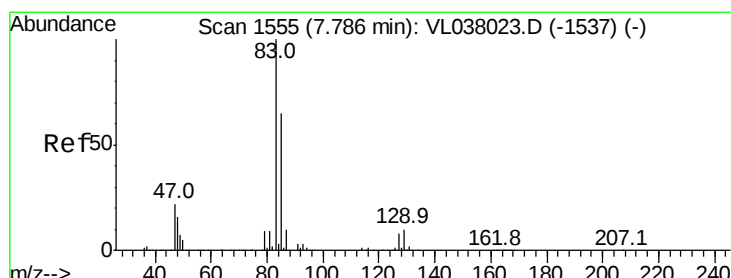
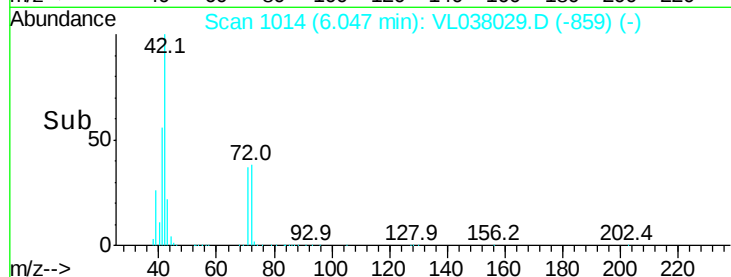
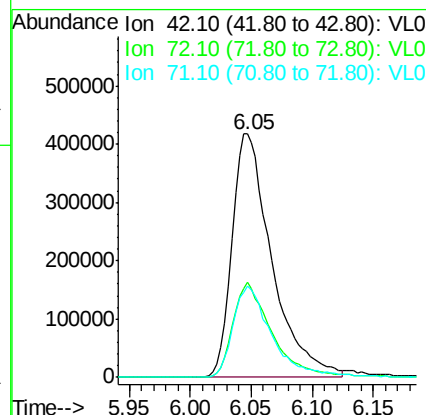
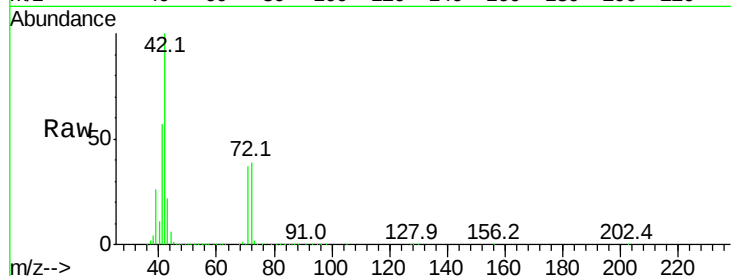


#41
Tetrahydrofuran
Concen: 16.575 ppbv
RT: 6.05
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

Tot Ion:
Ion Ratio
42 100
72 38.
71 37.

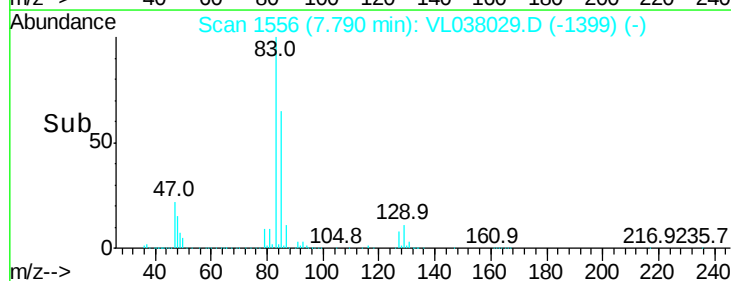
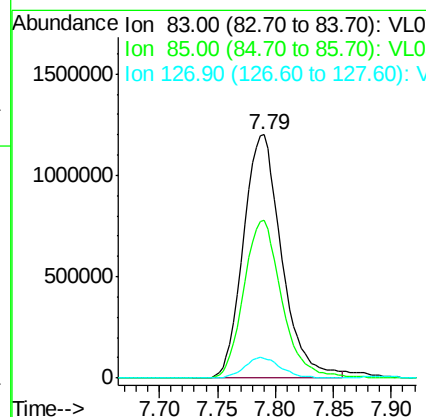
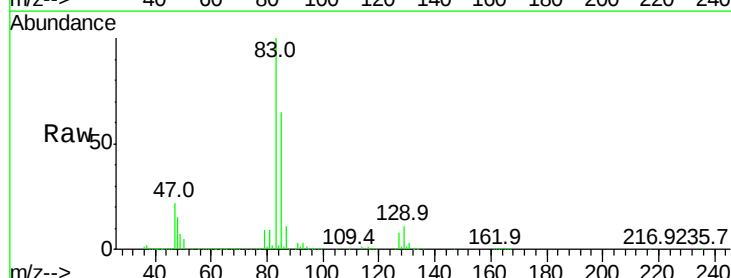
Manual Integrations
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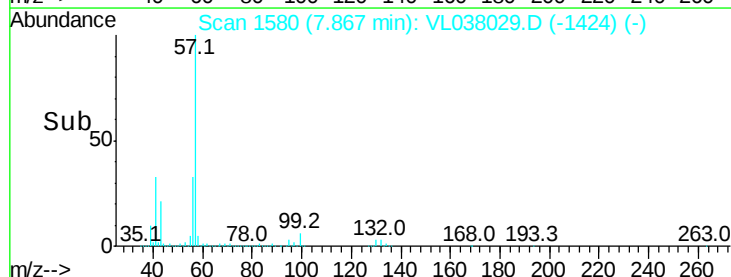
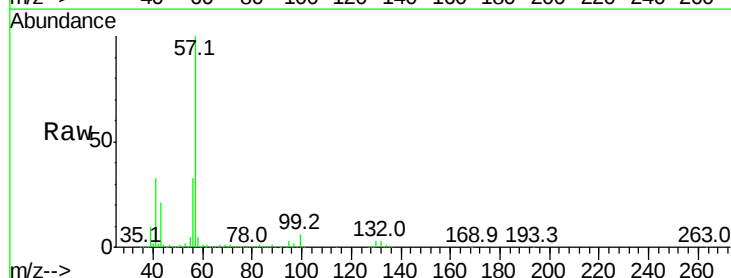
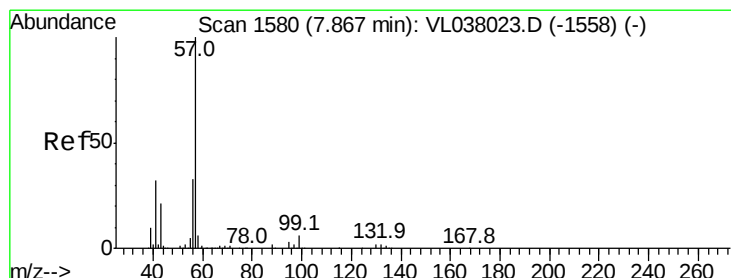
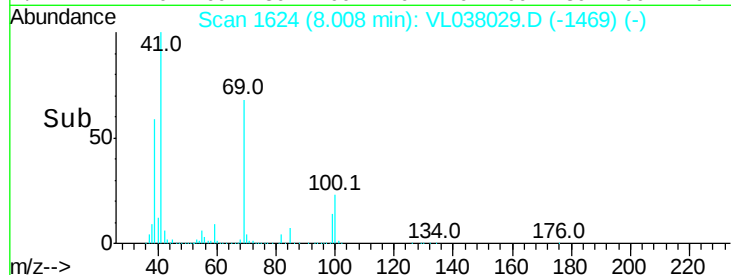
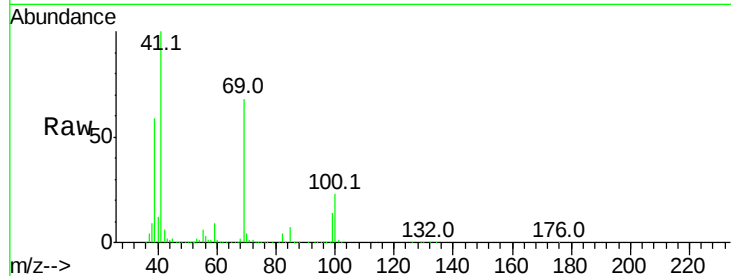
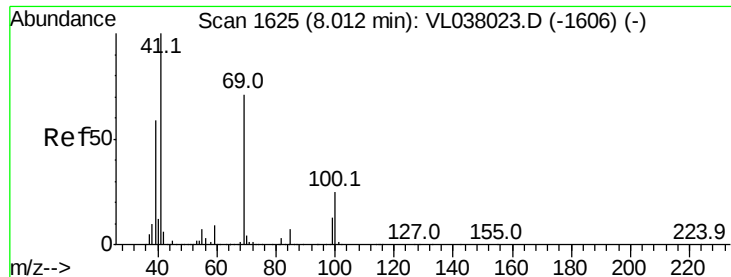
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#42
Bromodichloromethane
Concen: 15.181 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 83 Resp: 2756387
Ion Ratio Lower Upper
83 100
85 64.6 51.6 77.4
127 8.3 6.6 10.0





#43

Methyl Methacrylate

Concen: 16.311 ppbv

RT: 8.01

Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampled :

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

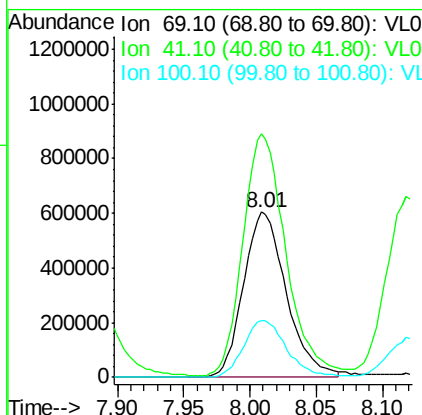
Ion	Ratio
69	100
41	149.
100	35.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#44

2,2,4-Trimethylpentane

Concen: 13.755 ppbv

RT: 7.87 min Scan# 1580

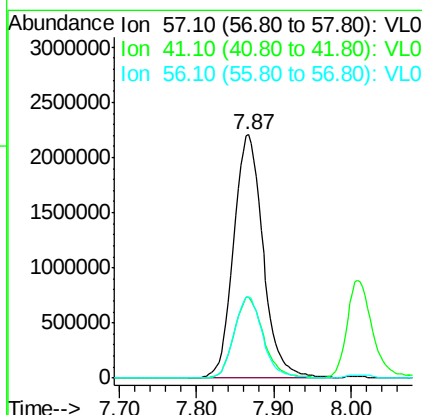
Delta R.T. 0.00 min

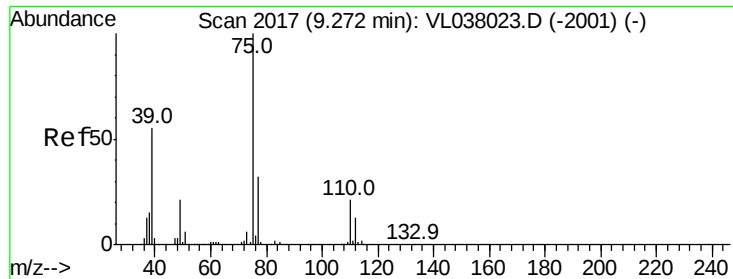
Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion: 57 Resp: 5821850

Ion	Ratio	Lower	Upper
57	100		
41	32.9	26.3	39.5
56	32.3	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 20.331 ppbv

RT: 9.27 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

75 100

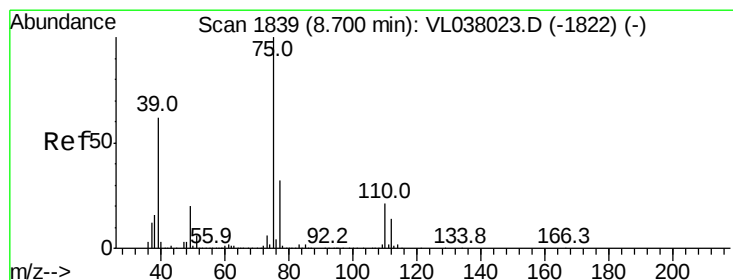
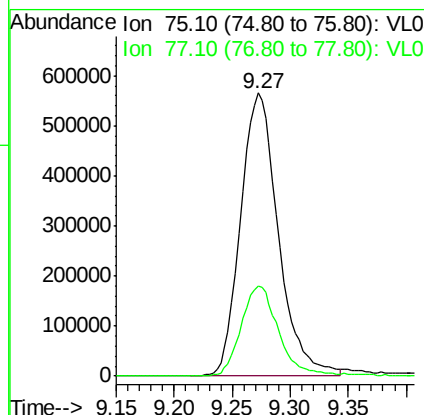
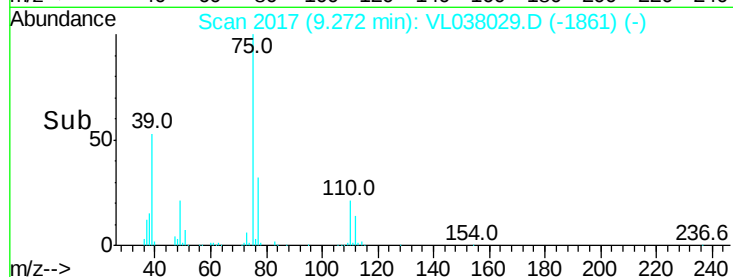
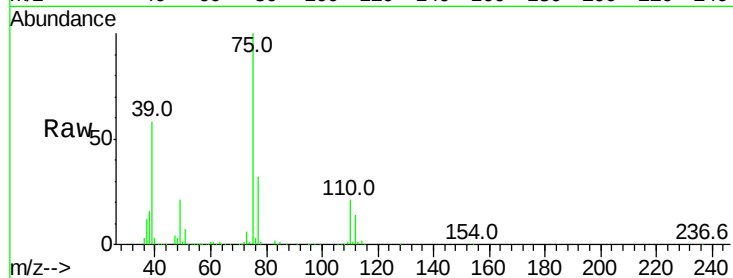
77 32.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#46

cis-1,3-Dichloropropene

Concen: 18.367 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

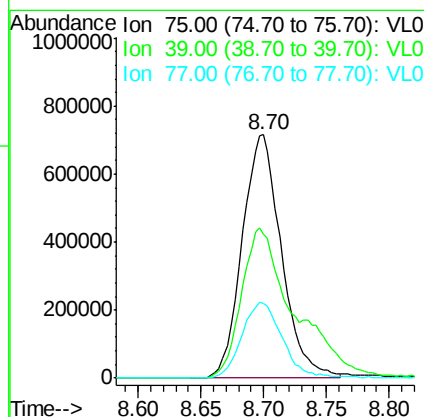
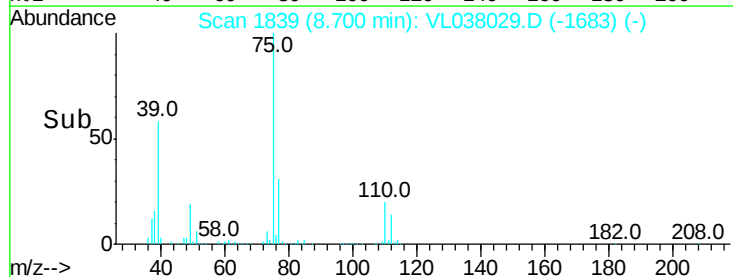
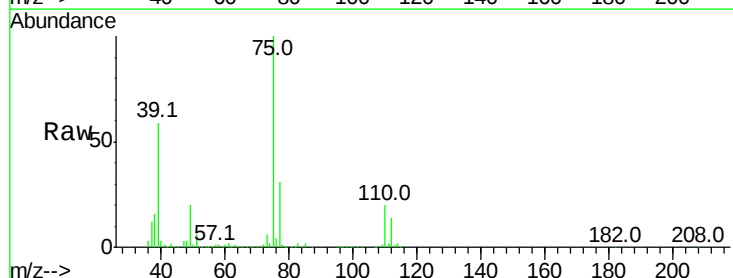
Tgt Ion: 75 Resp: 1556874

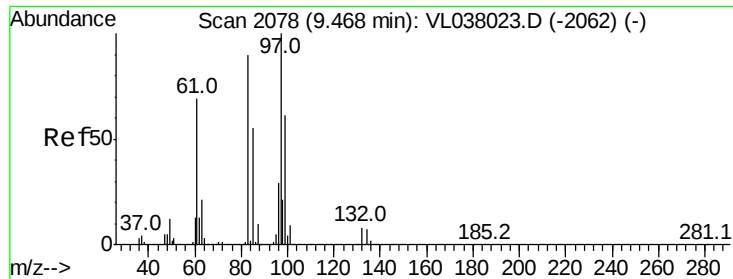
Ion Ratio Lower Upper

75 100

39 58.8 49.2 73.8

77 30.7 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 14.065 ppbv

RT: 9.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

97 100

83 84.

85 56.

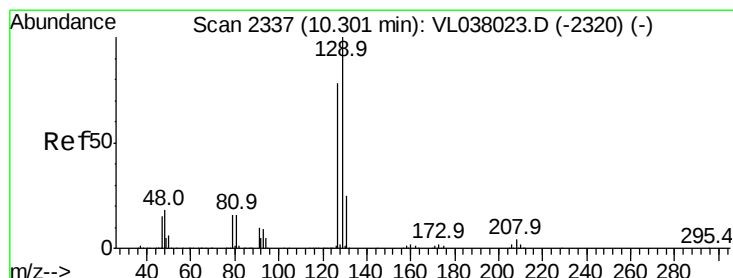
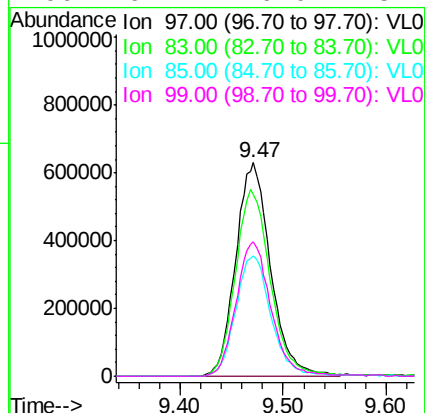
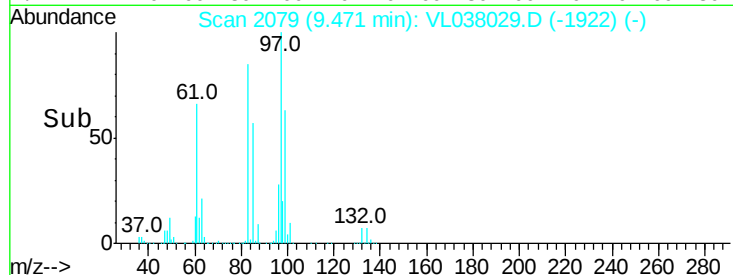
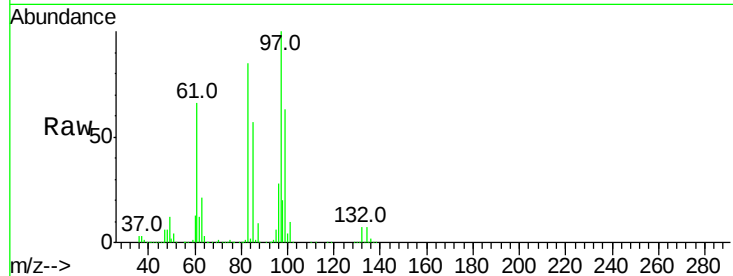
99 62.7 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#48

Dibromochloromethane

Concen: 15.976 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL038029.D

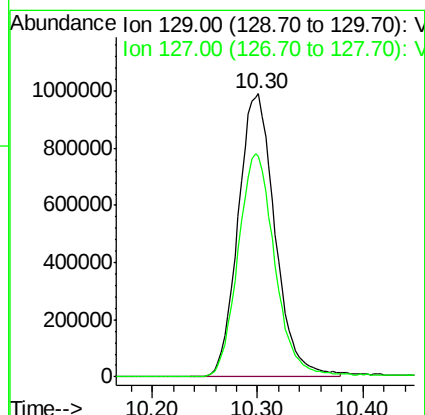
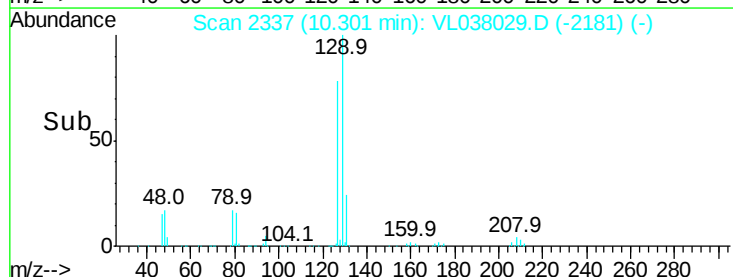
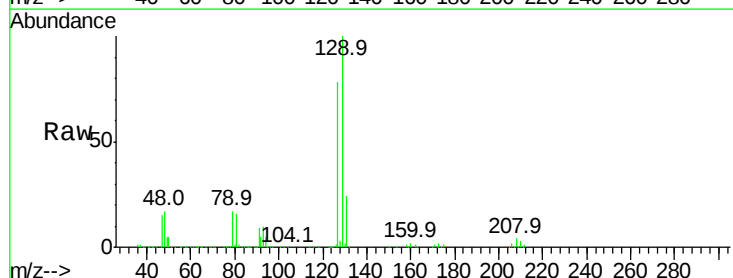
Acq: 16 Nov 2021 5:36

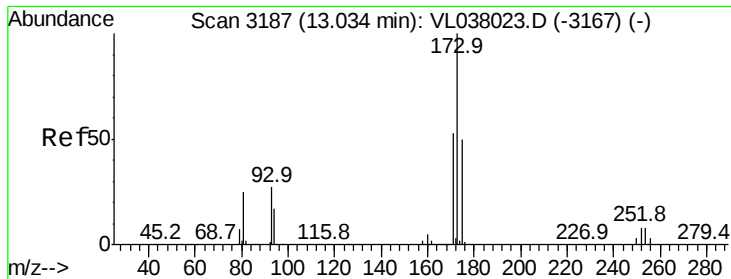
Tgt Ion:129 Resp: 2409155

Ion Ratio Lower Upper

129 100

127 80.4 39.8 119.3





#49

Bromoform

Concen: 15.437 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30

Tot Ion:1

Ion Ratio

173 100

175 52.

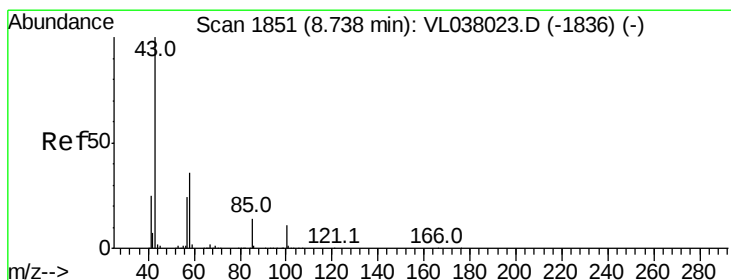
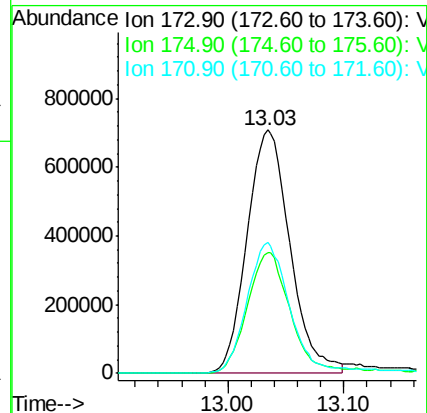
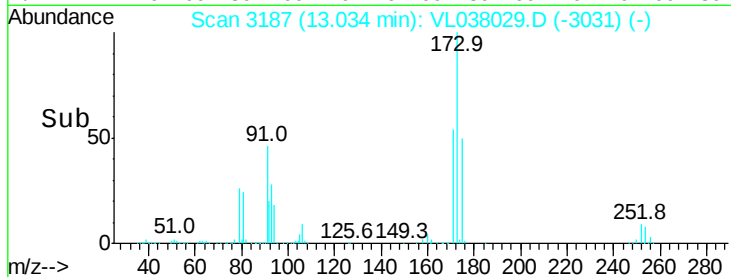
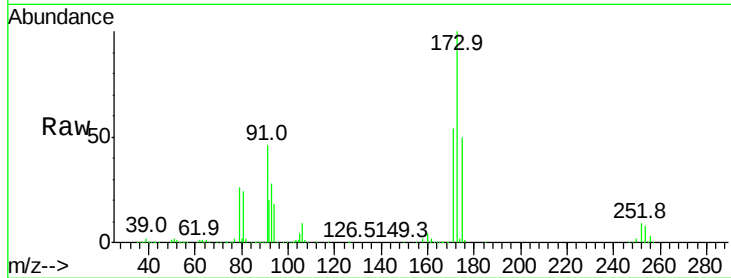
171 54.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#50

4-Methyl-2-Pentanone

Concen: 16.065 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL038029.D

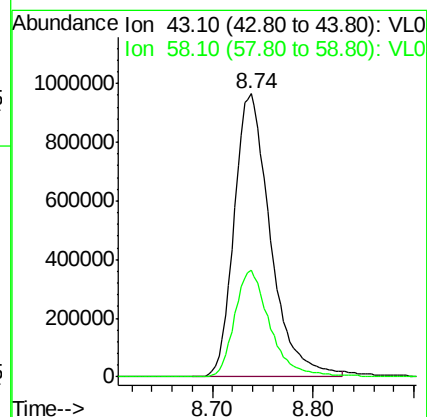
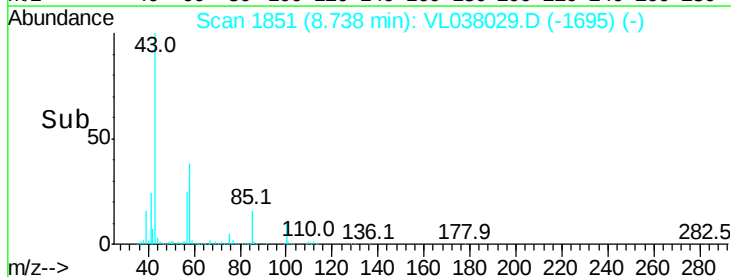
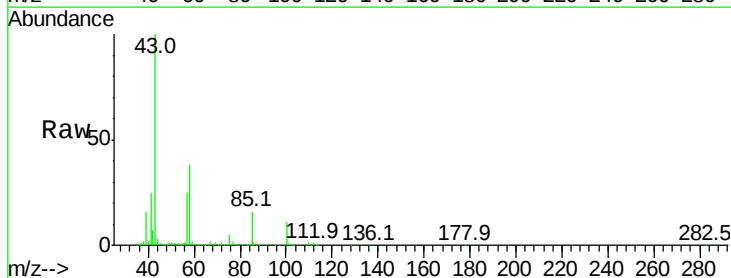
Acq: 16 Nov 2021 5:36

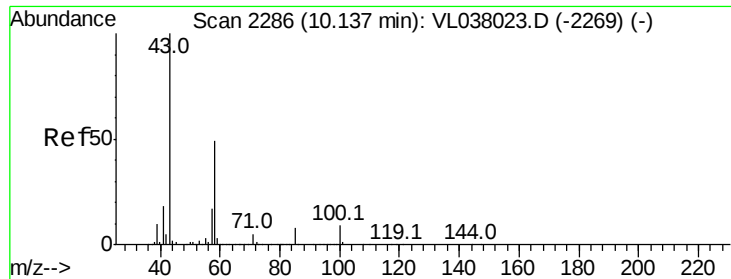
Tgt Ion: 43 Resp: 2408874

Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.6



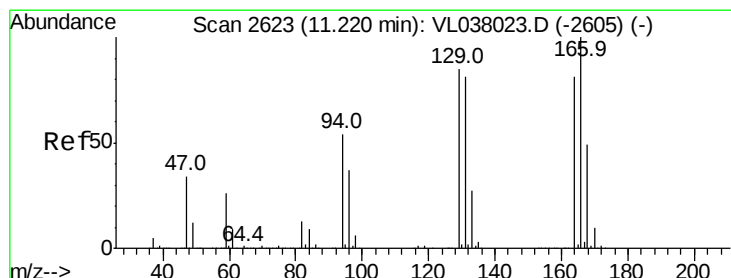
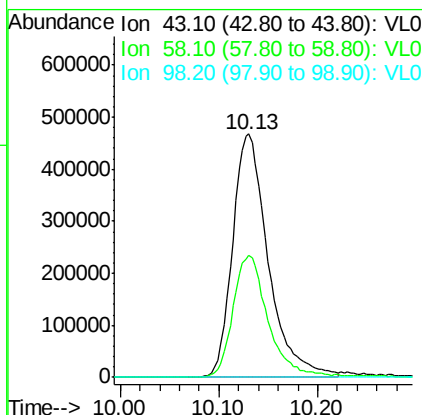
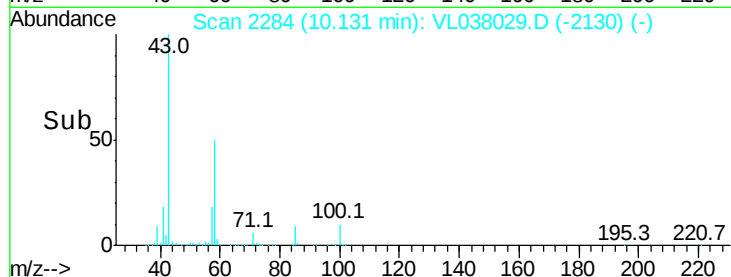
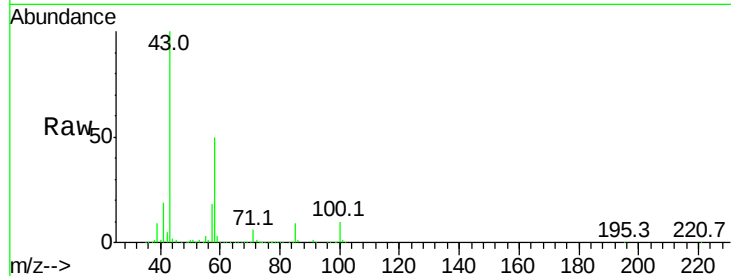


#51
2-Hexanone
Concen: 18.129 ppbv
RT: 10.13 min
Delta R.T.: MSVOA_L
Lab File: ClientSampled :
Acq: 16 Nov 2021 5:36

Tot Ion:
Ion Ratio
43 100
58 50.
98 0.

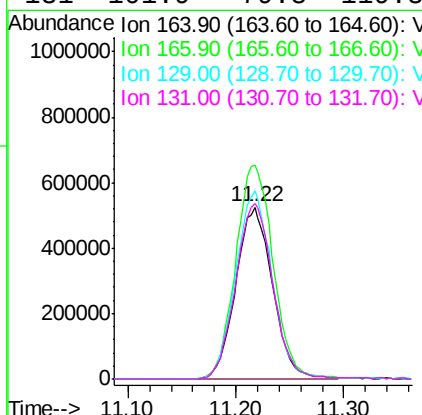
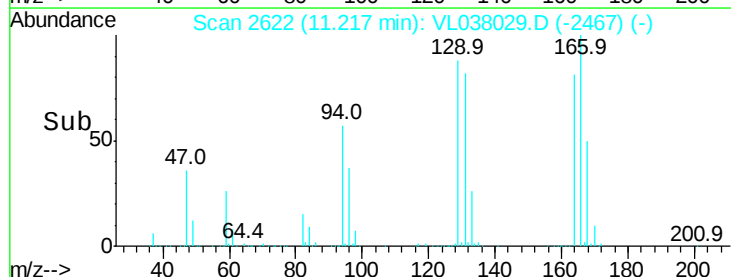
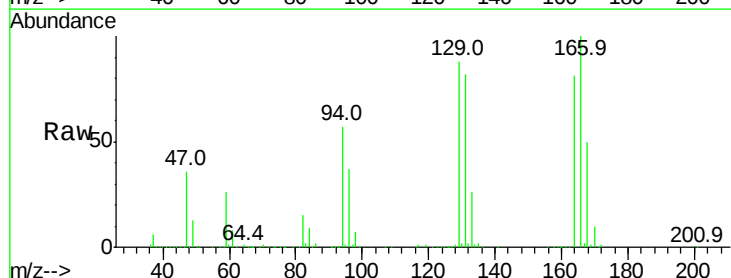
Manual Integrations
APPROVED

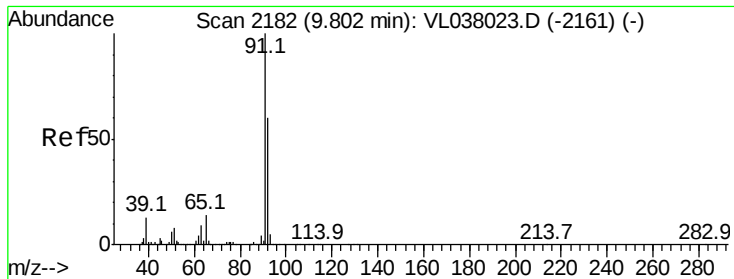
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#52
Tetrachloroethene
Concen: 13.279 ppbv
RT: 11.22 min Scan# 2622
Delta R.T.: -0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion:164 Resp: 1244666
Ion Ratio Lower Upper
164 100
166 124.2 98.6 148.0
129 109.3 84.1 126.1
131 101.9 79.8 119.8





#53

Toluene

Concen: 15.593 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

91 100

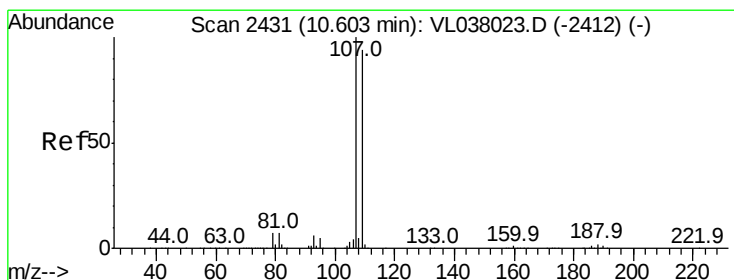
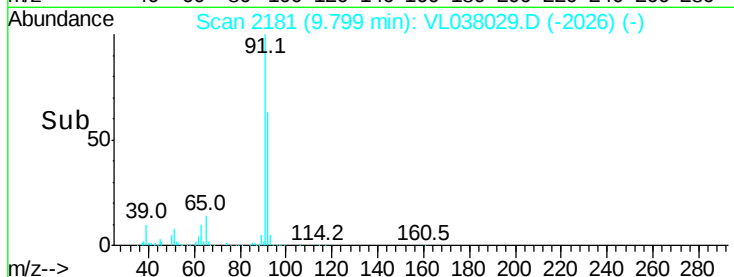
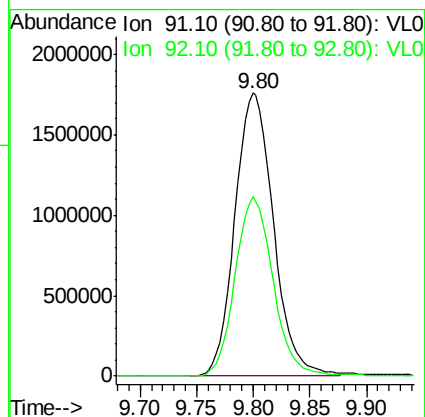
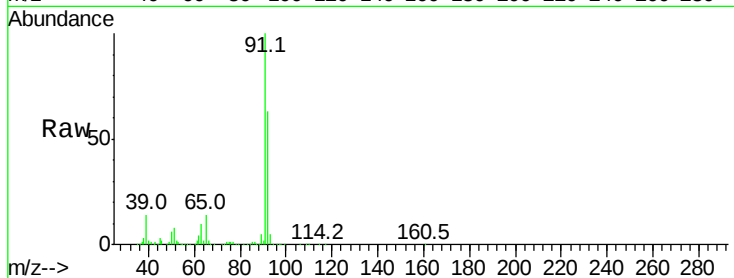
92 62.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#54

1,2-Dibromoethane

Concen: 15.544 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038029.D

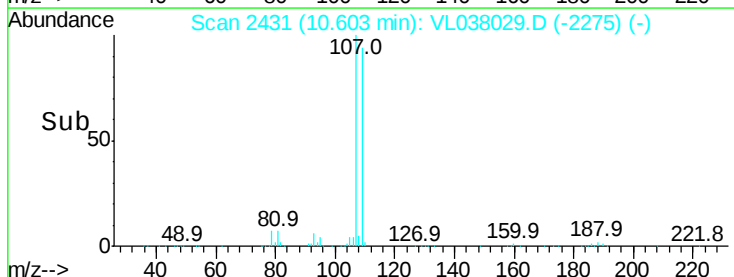
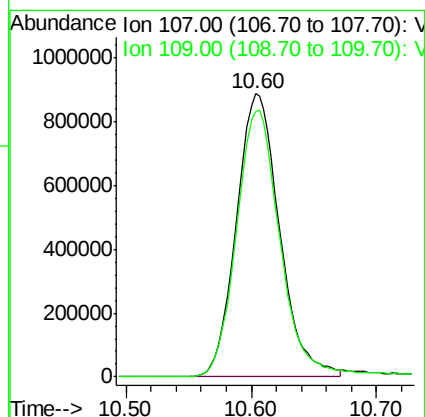
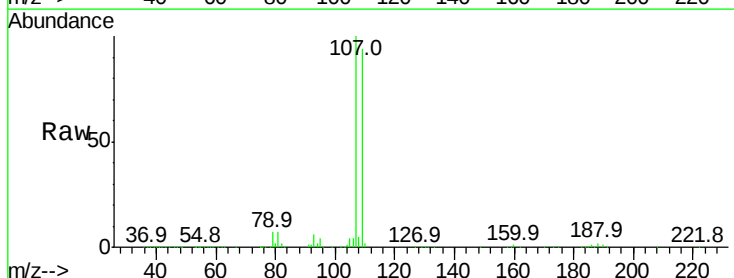
Acq: 16 Nov 2021 5:36

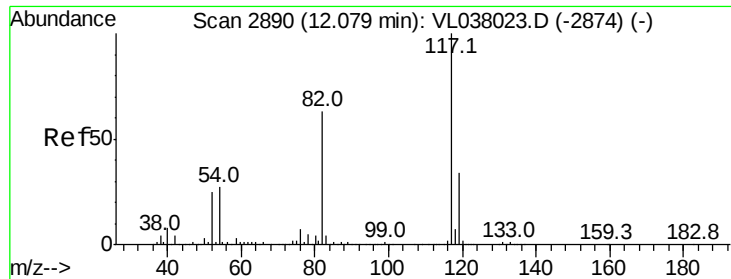
Tgt Ion:107 Resp: 2123414

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.6



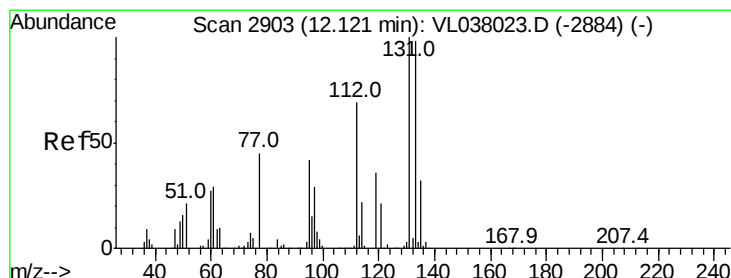
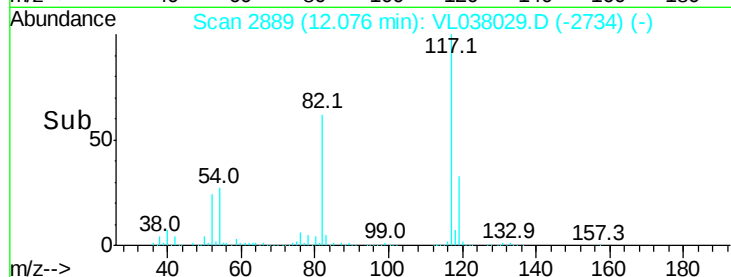
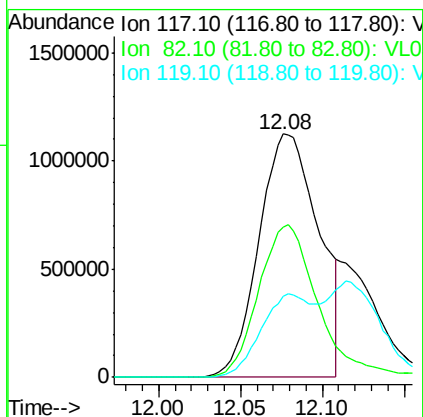
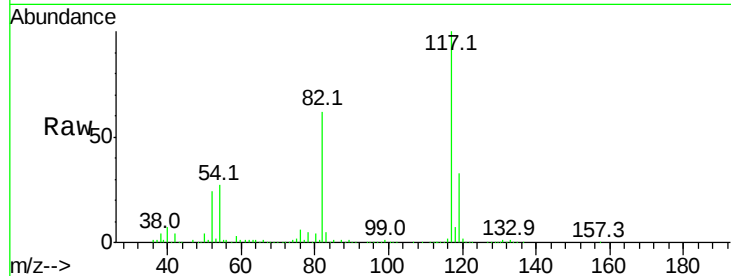


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC015
Acq: 16 Nov 2021 5:30

Tot Ion:1
Ion Rati
117 100
82 65.
119 69.

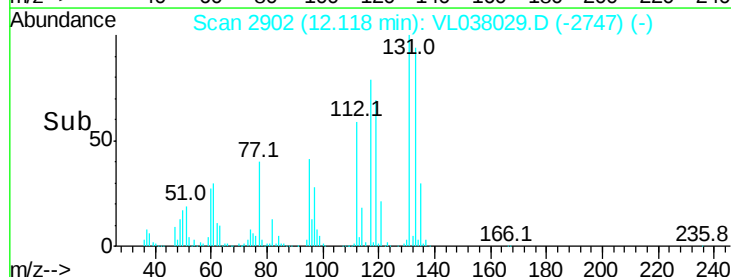
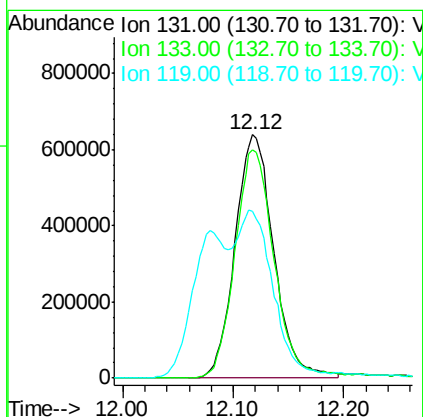
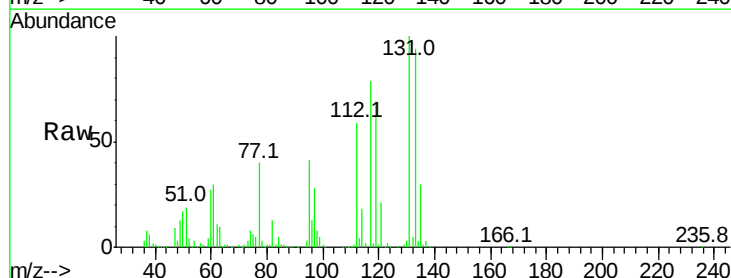
Manual Integrations
APPROVED

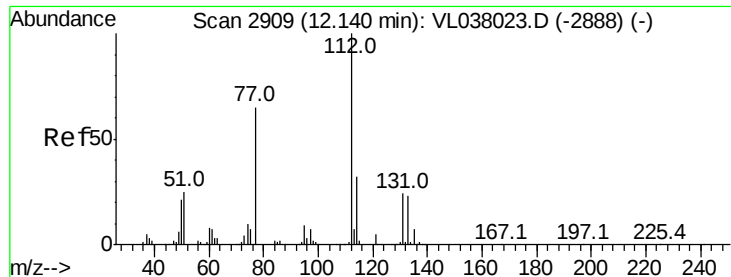
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 13.600 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion:131 Resp: 1556552
Ion Ratio Lower Upper
131 100
133 98.1 77.8 116.8
119 126.6 121.1 181.7



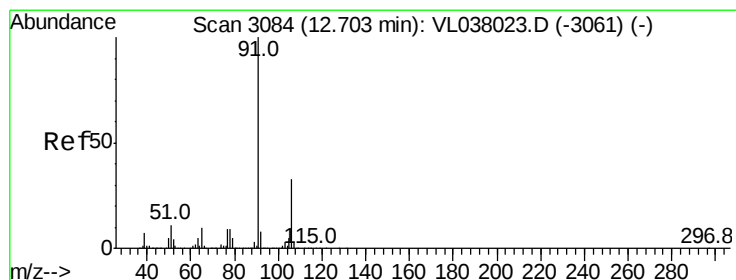
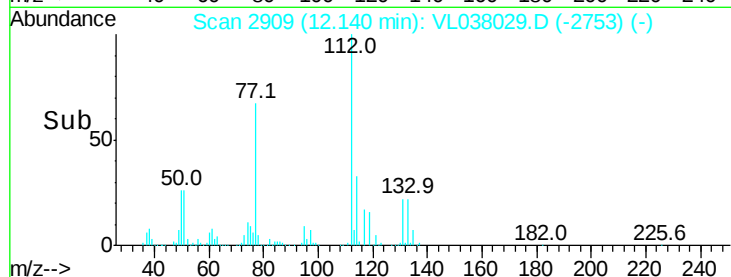
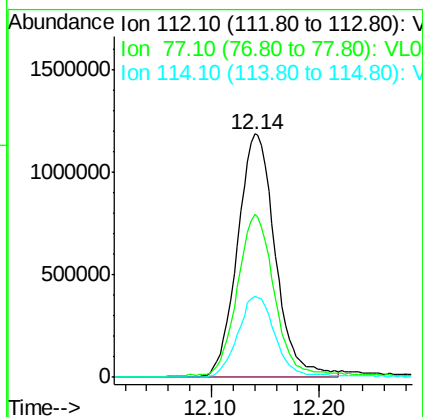
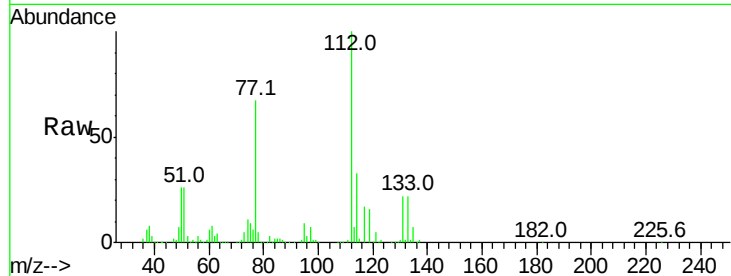


#57
Chlorobenzene
Concen: 12.904 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDIC015
Acq: 16 Nov 2021 5:30

Tot Ion: 1
Ion Ratio
112 100
77 66.
114 33.

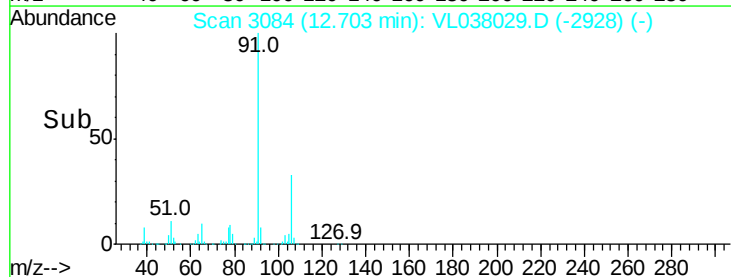
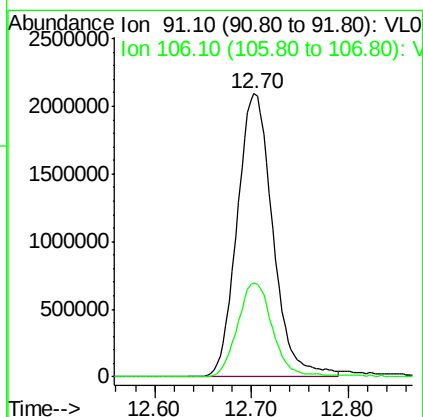
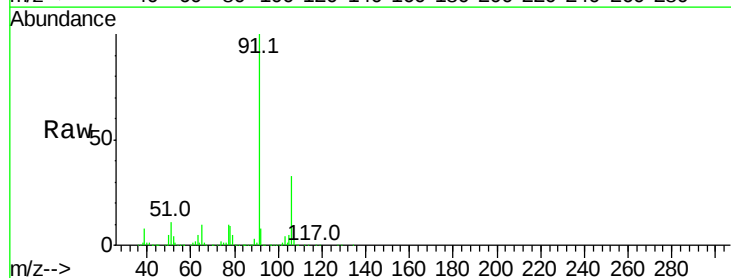
Manual Integrations
APPROVED

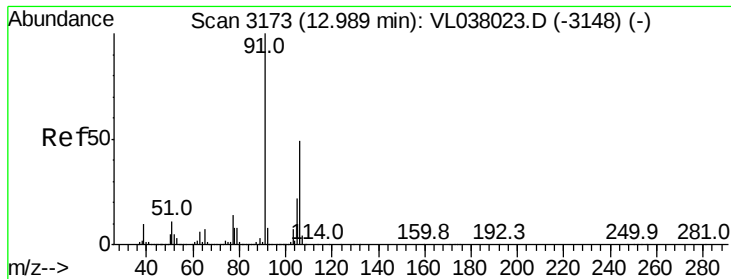
Reviewed By : Semsettin Yesilyurt 11/17/2021
Supervised By : Mahesh Dadoda 11/17/2021



#58
Ethyl Benzene
Concen: 15.372 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 91 Resp: 5370999
Ion Ratio Lower Upper
91 100
106 33.3 26.2 39.2



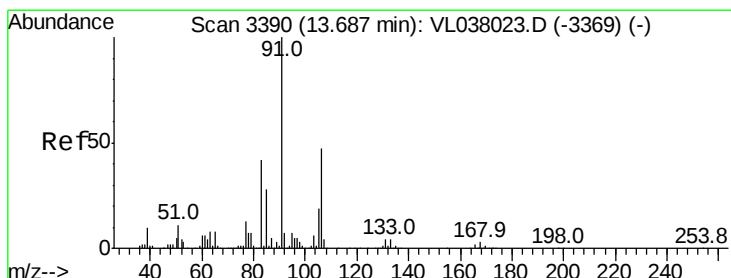
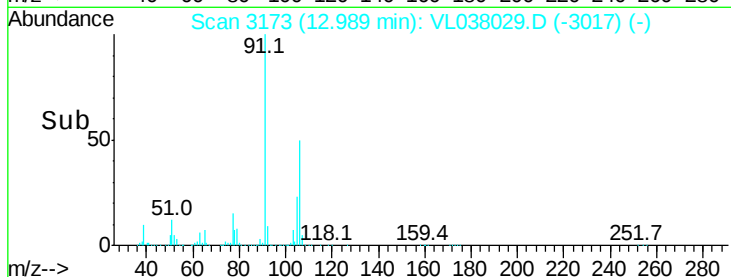
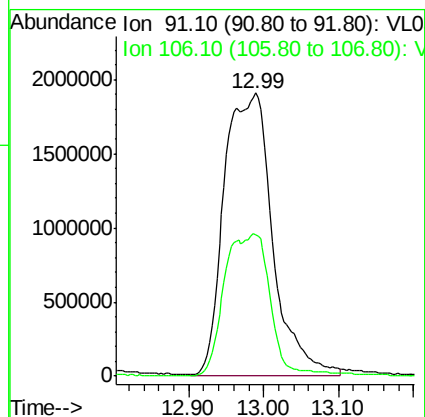
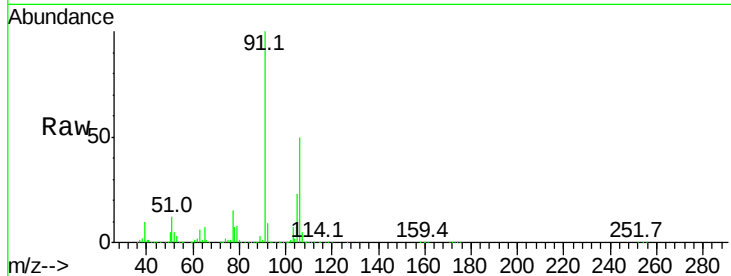


#59
m/p-Xylene
Concen: 28.056 ppbv m
RT: 12.99
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

Tot Ion:
Ion Ratio
91 100
106 48.

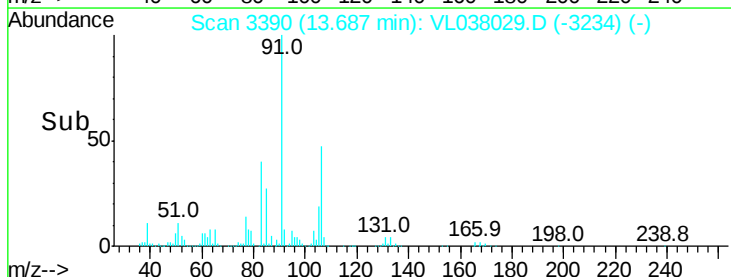
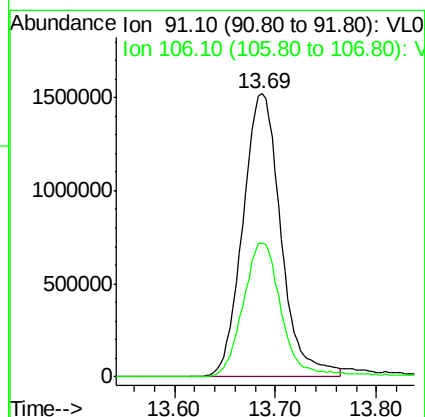
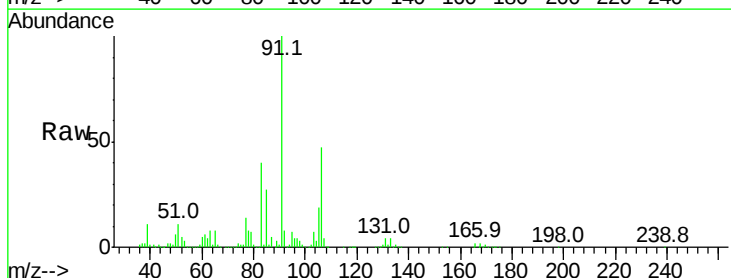
Manual Integrations
APPROVED

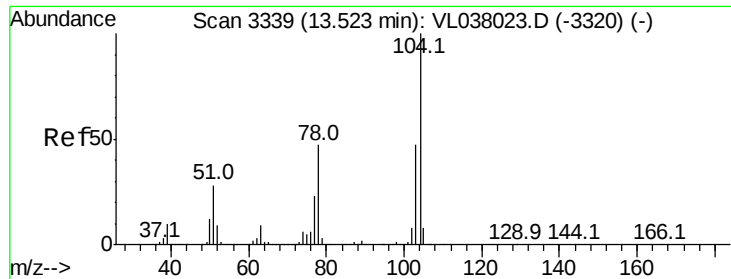
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#60
o-Xylene
Concen: 13.769 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 91 Resp: 3974676
Ion Ratio Lower Upper
91 100
106 48.6 24.2 72.6



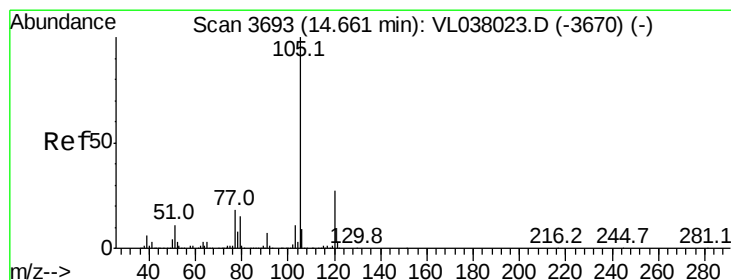
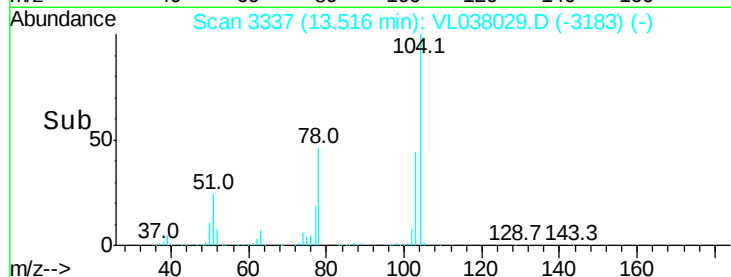
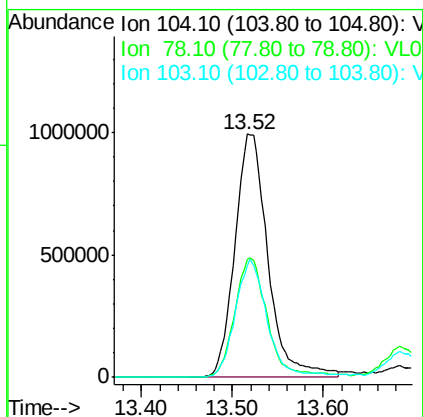
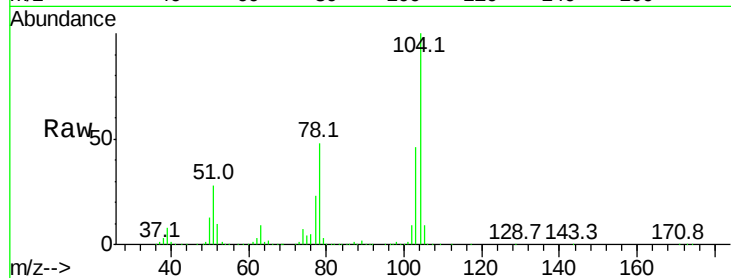


#61
Stvrene
Concen: 18.508 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC015
Acq: 16 Nov 2021 5:30

Tot Ion:1
Ion Rati
104 100
78 48.
103 47.

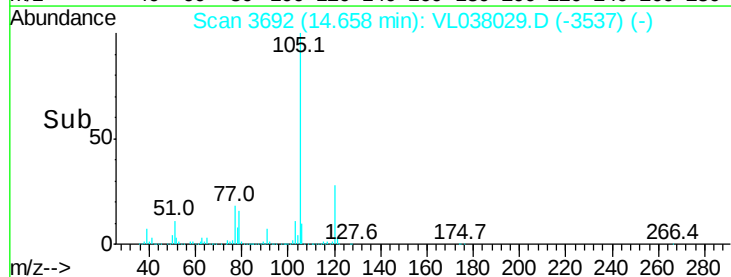
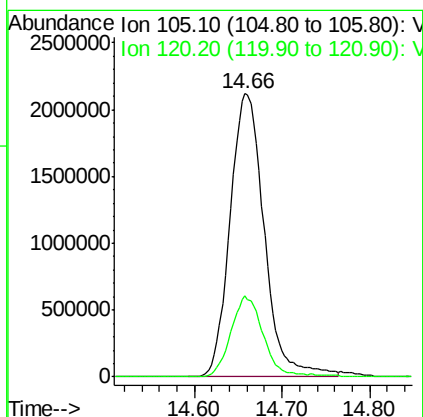
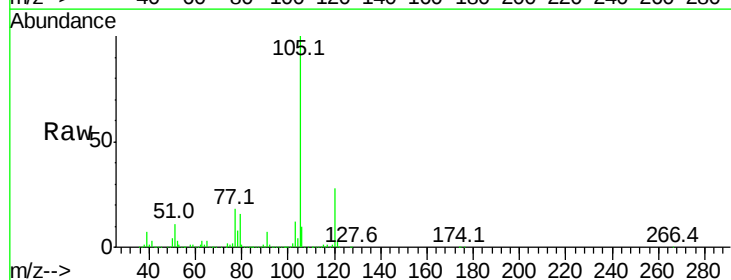
Manual Integrations
APPROVED

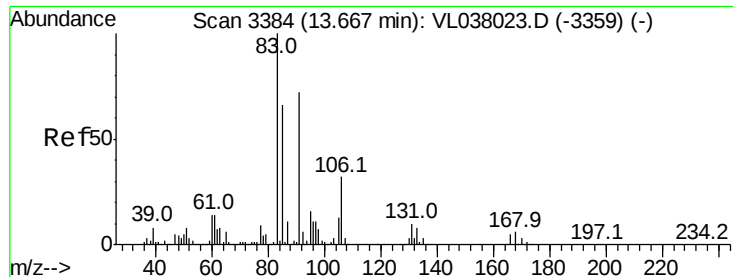
Reviewed By :Semsettin Yesilyurt 11/17/2021
Supervised By :Mahesh Dadoda 11/17/2021



#62
Isopropylbenzene
Concen: 13.972 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion:105 Resp: 5764811
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 11.204 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:

Ion Ratio

83 100

131 9.

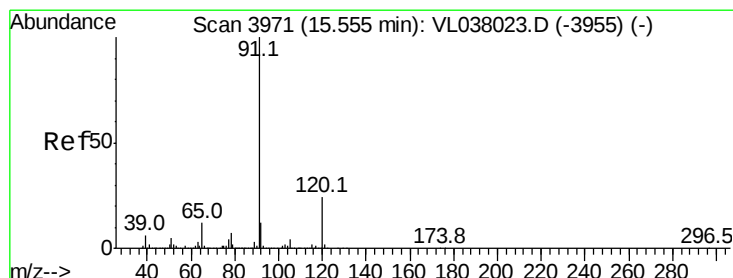
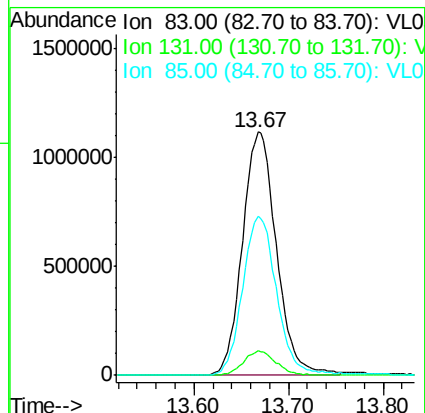
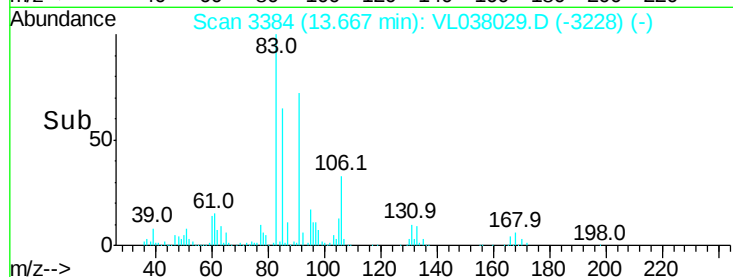
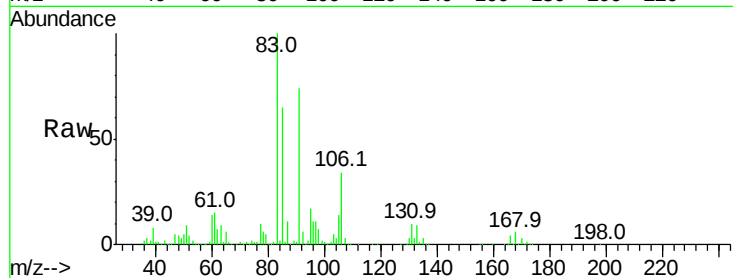
85 66.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#64

n-propylbenzene

Concen: 14.944 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL038029.D

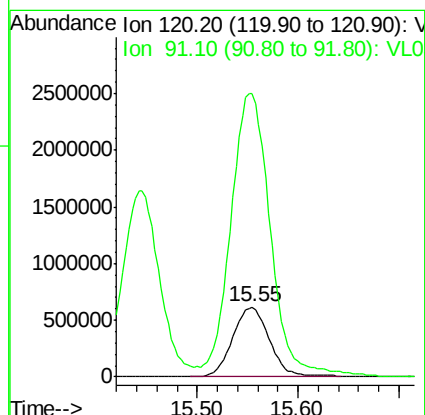
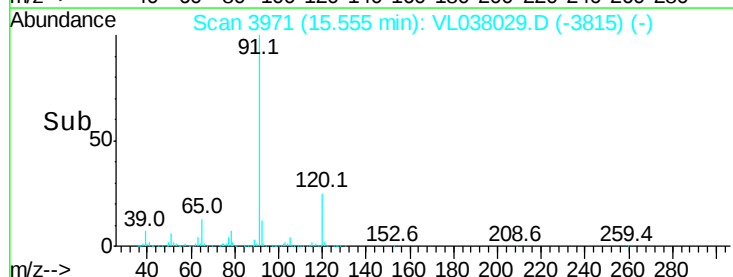
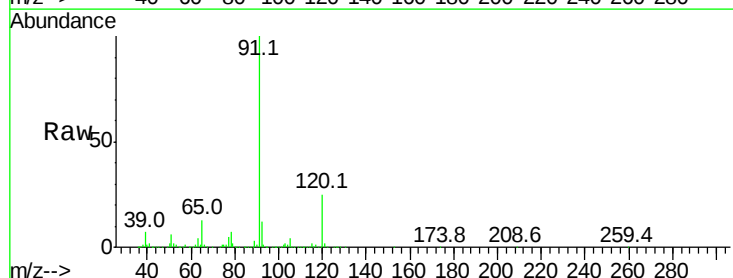
Acq: 16 Nov 2021 5:36

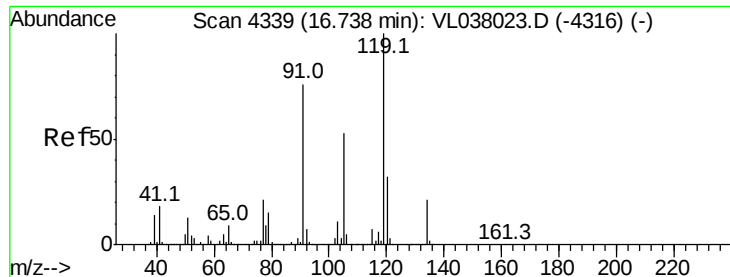
Tgt Ion:120 Resp: 1568193

Ion Ratio Lower Upper

120 100

91 433.4 367.4 551.0





#65

tert-Butylbenzene

Concen: 13.033 ppbv

RT: 16.73

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:1

Ion Rati

119 100

91 78.

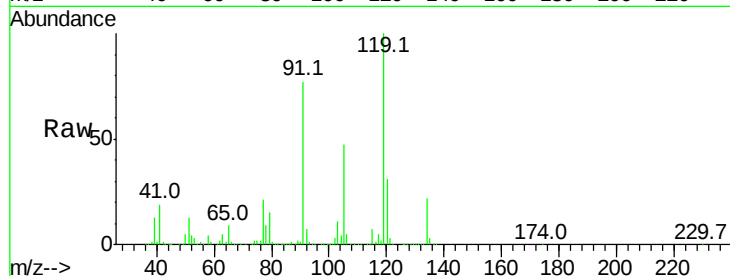
134 20.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

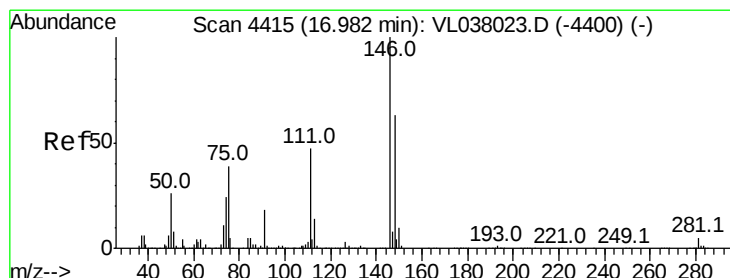
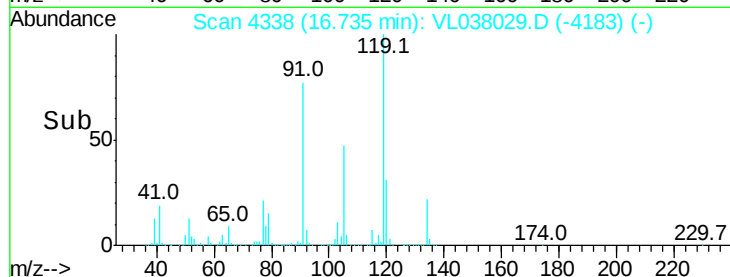
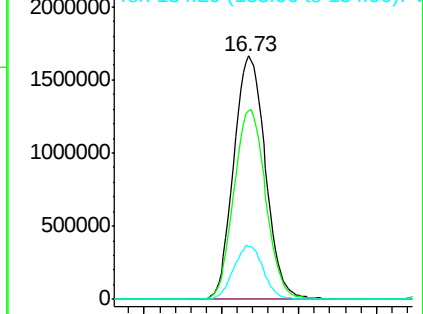
Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 20.000 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

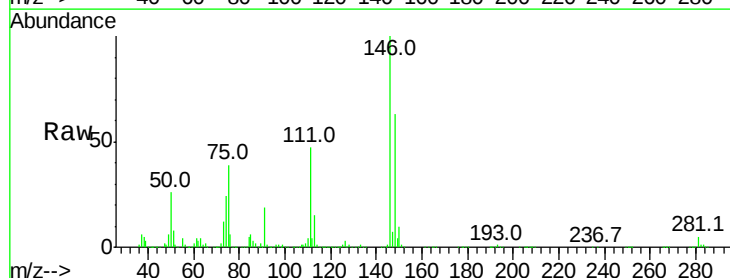
Tgt Ion: 91 Resp: 393967

Ion Ratio Lower Upper

91 100

126 19.5 16.4 24.6

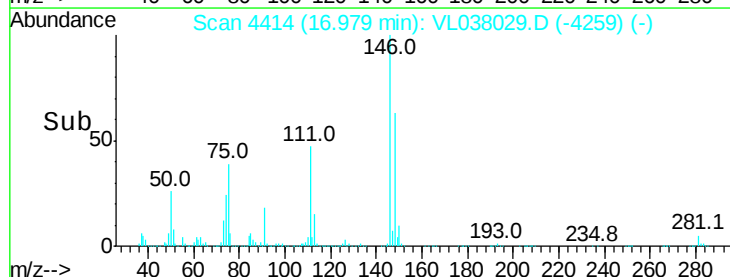
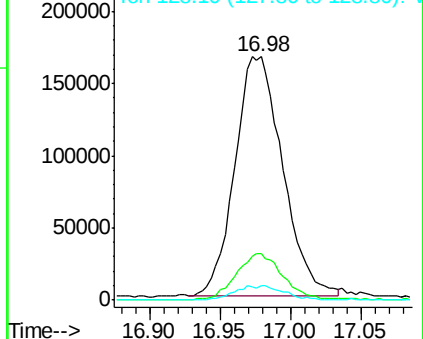
128 6.6 5.6 8.4

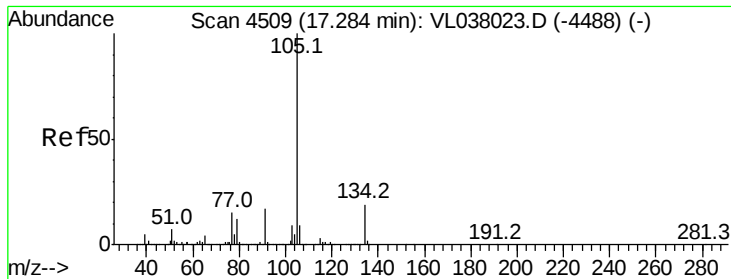


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 13.279 ppbv

RT: 17.28

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:1

Ion Rati

105 100

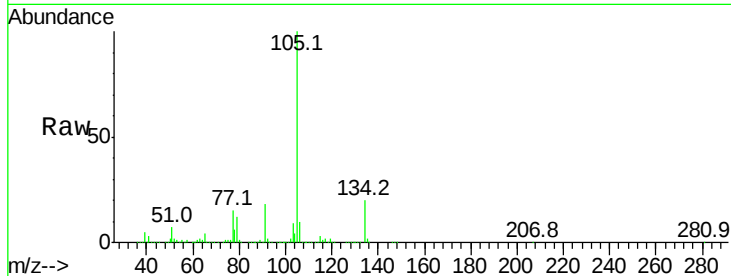
134 19.

Manual Integrations

APPROVED

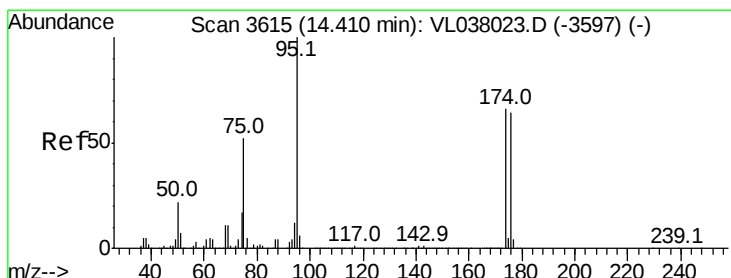
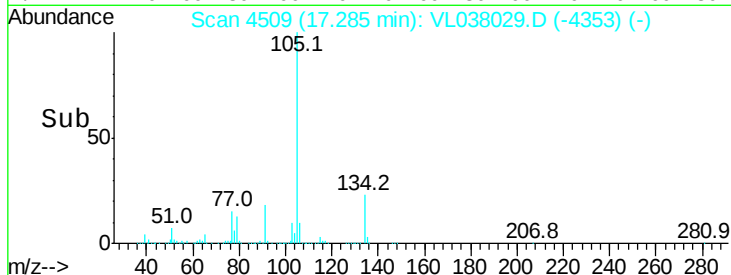
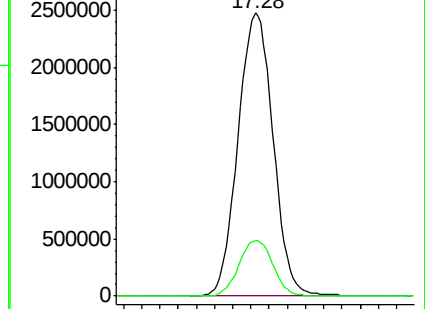
Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.314 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

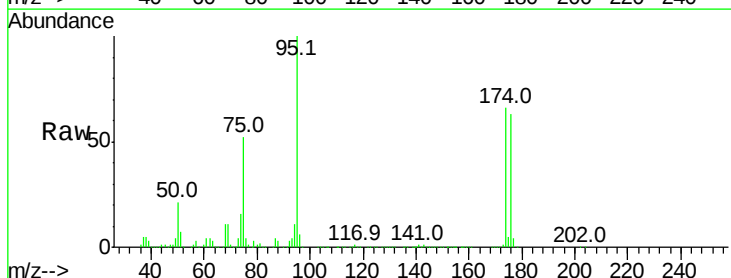
Tgt Ion: 95 Resp: 2107703

Ion Ratio Lower Upper

95 100

174 66.4 54.9 82.3

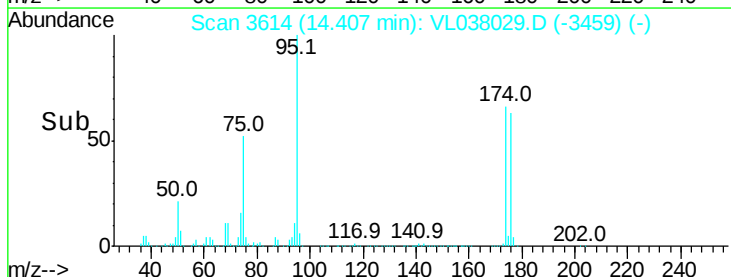
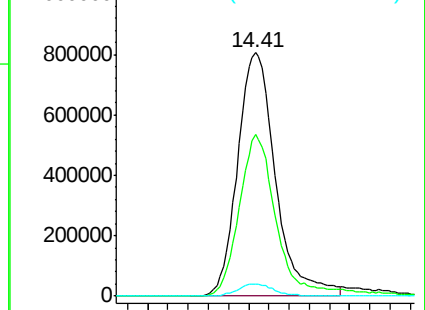
175 5.2 4.0 6.0

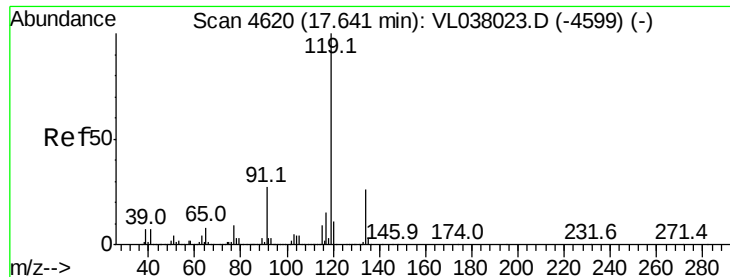


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



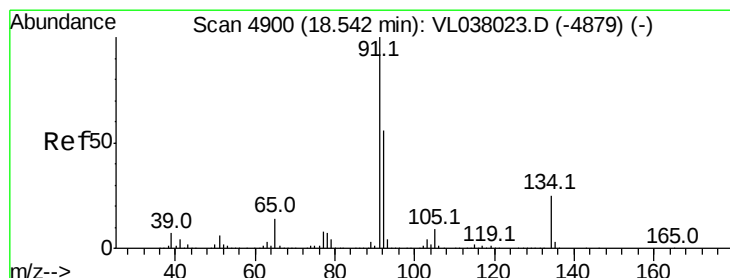
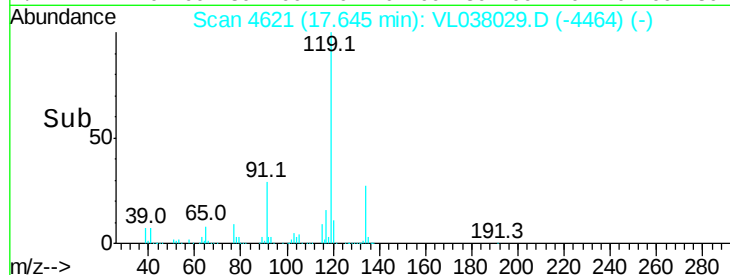
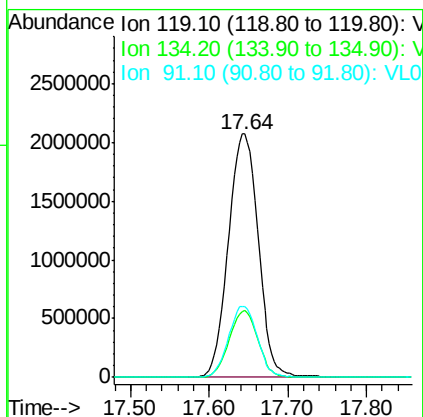
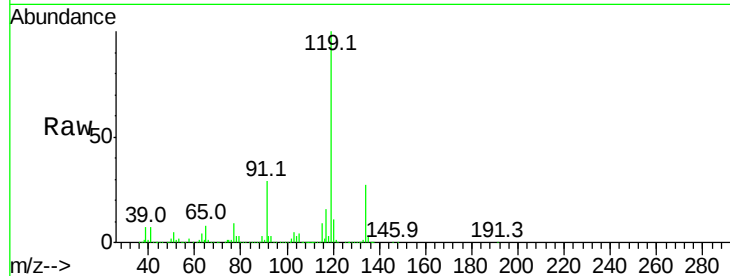


#69
 p-Isopropyltoluene
 Concen: 13.686 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 5:30

Tot Ion:1
 Ion Rati
 119 100
 134 26.
 91 28.

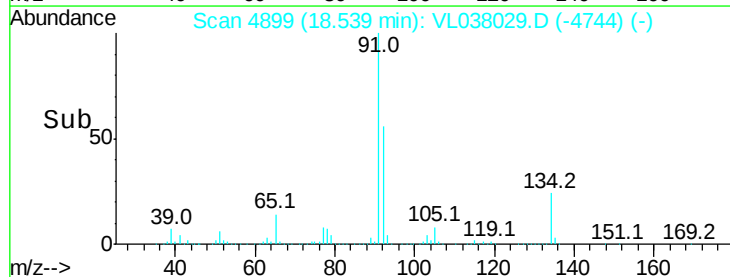
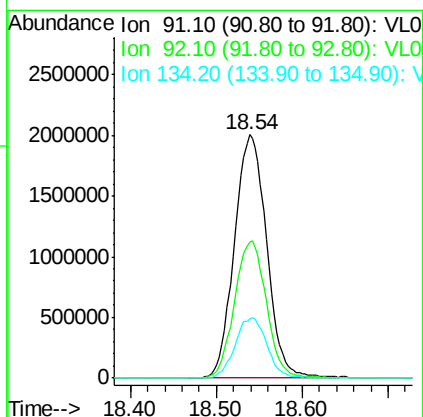
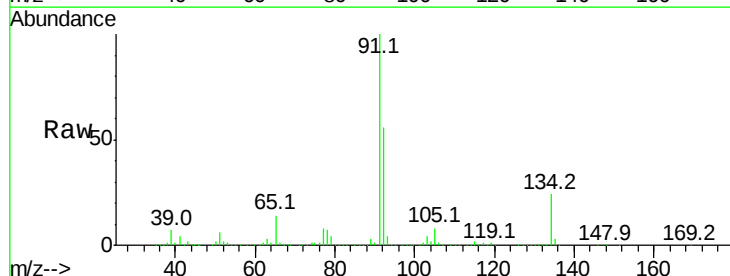
Manual Integrations
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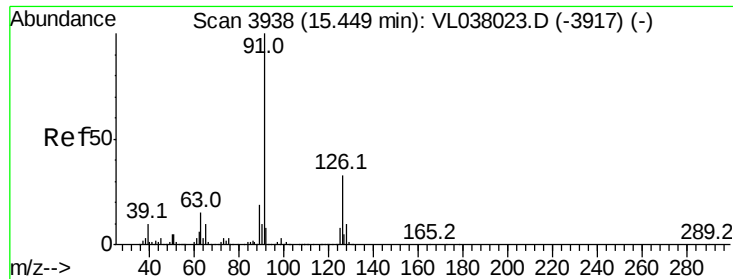
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#70
 n-Butylbenzene
 Concen: 14.216 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. -0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion: 91 Resp: 5214222
 Ion Ratio Lower Upper
 91 100
 92 56.2 44.2 66.2
 134 24.8 19.7 29.5



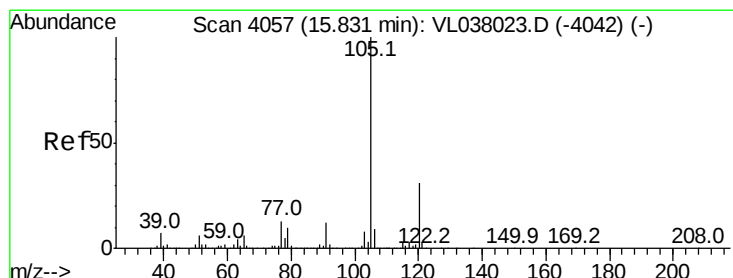
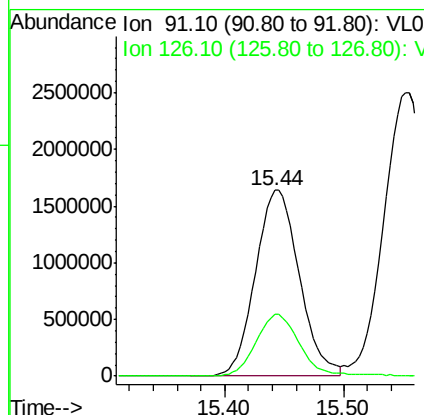
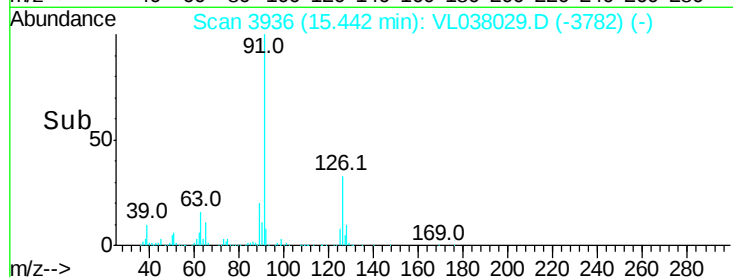
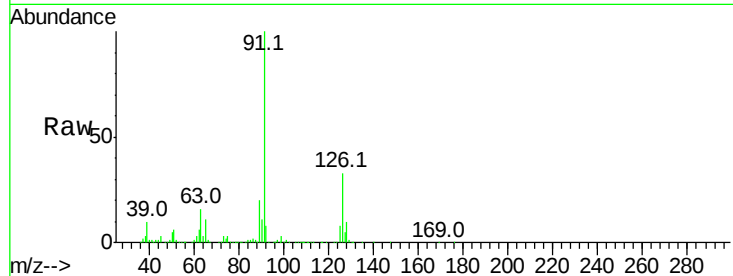


#71
 2-Chlorotoluene
 Concen: 14.526 ppbv
 RT: 15.44 min
 Delta R.T. 0.00 min
 Lab File: VSTDIC015
 Acq: 16 Nov 2021 5:30

Tot Ion:
 Ion Ratio
 91 100
 126 33.

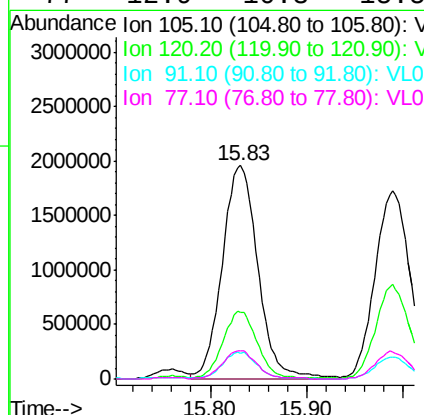
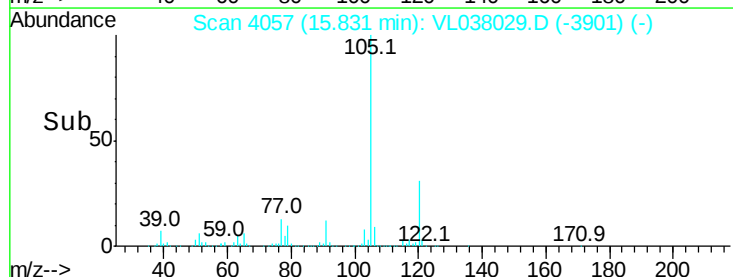
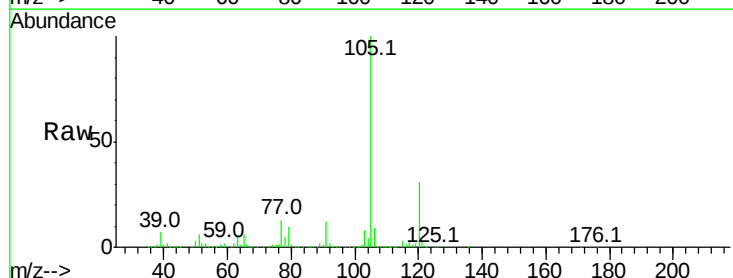
Manual Integrations
 APPROVED

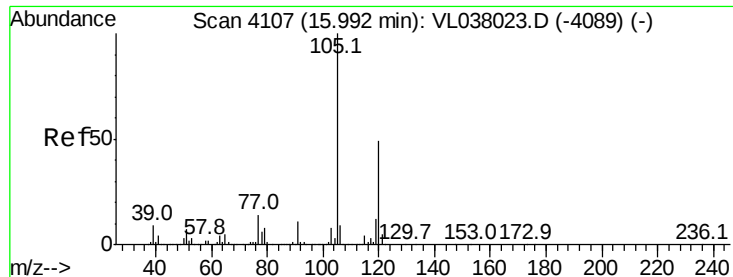
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#72
 4-Ethyltoluene
 Concen: 15.034 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion:105 Resp: 5024271
 Ion Ratio Lower Upper
 105 100
 120 31.0 24.6 36.8
 91 11.7 9.3 13.9
 77 12.9 10.3 15.5



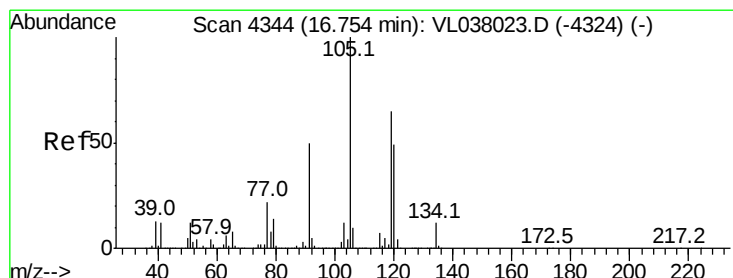
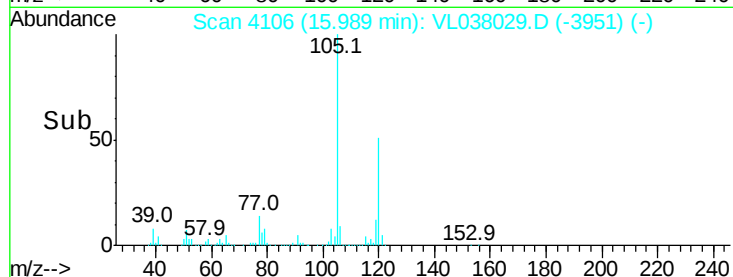
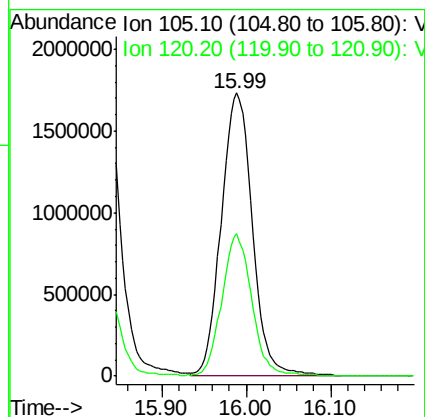
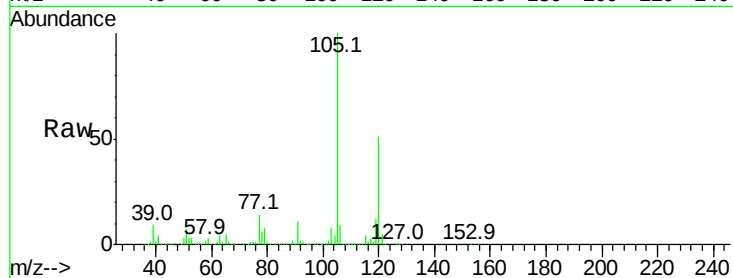


#73
 1,3,5-Trimethylbenzene
 Concen: 14.268 ppbv
 RT: 15.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 16 Nov 2021 5:30

Tot Ion:1
 Ion Rati
 105 100
 120 50.

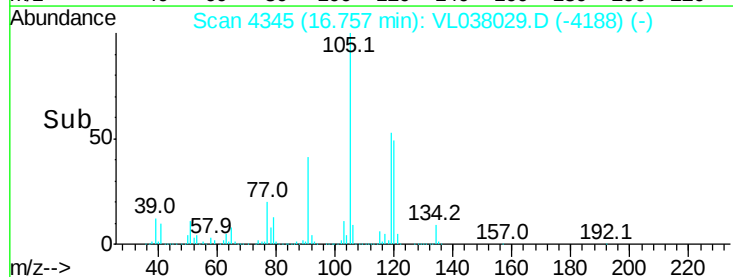
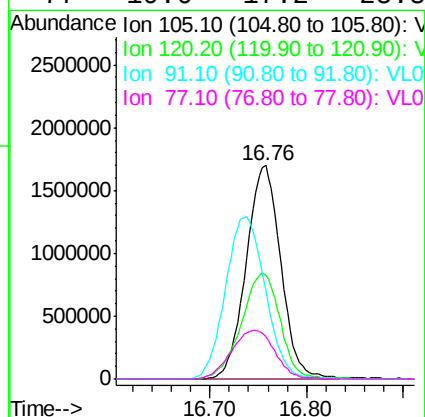
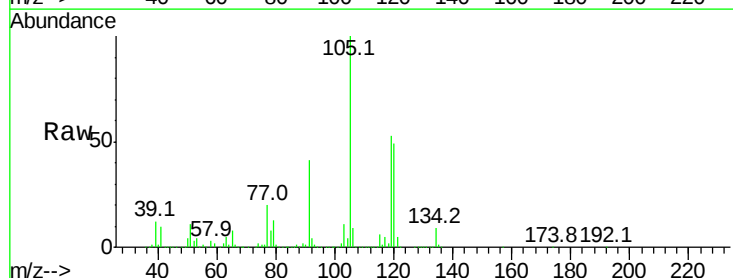
Manual Integrations
 APPROVED

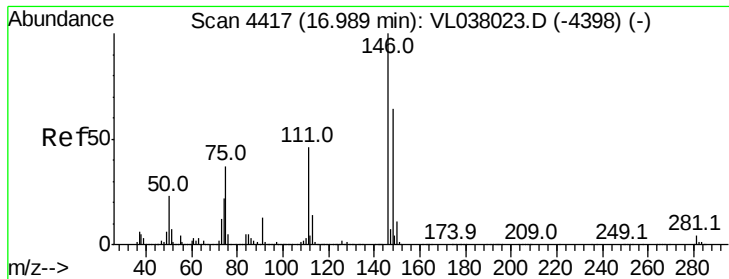
Reviewed By :Semsettin Yesilyurt 11/17/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 13.057 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion:105 Resp: 4223662
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.5 59.3
 91 41.1 40.9 61.3
 77 19.6 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 12.697 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampled:

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:1

Ion Rati

146 100

111 46.

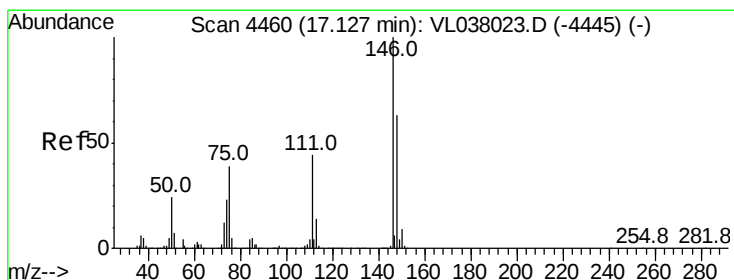
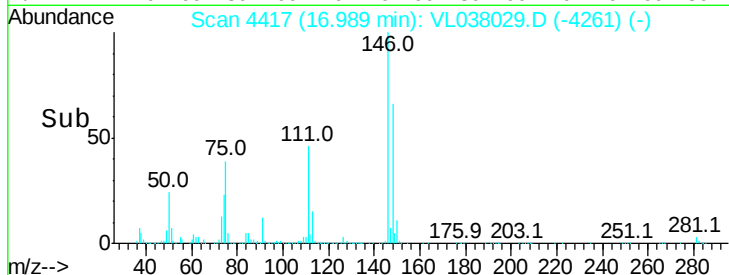
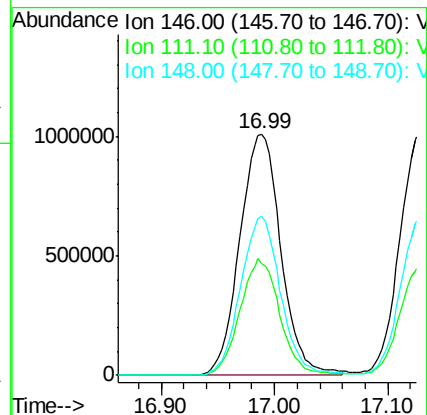
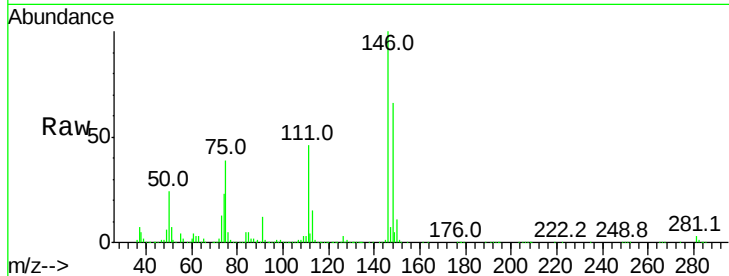
148 64.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#76

1,4-Dichlorobenzene

Concen: 13.237 ppbv m

RT: 17.13 min Scan# 4460

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

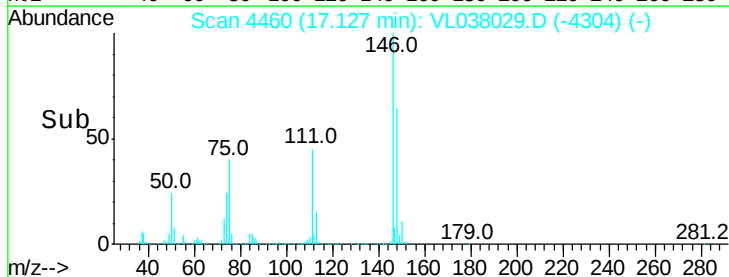
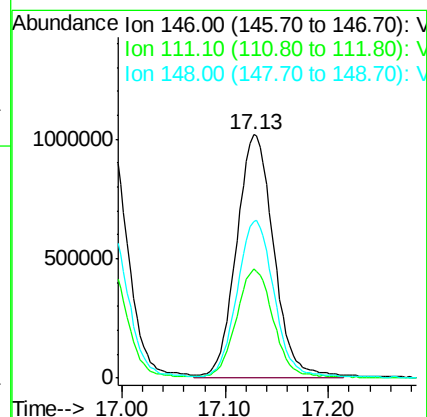
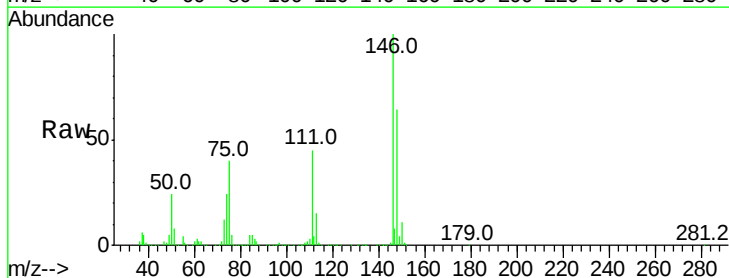
Tgt Ion:146 Resp: 2576339

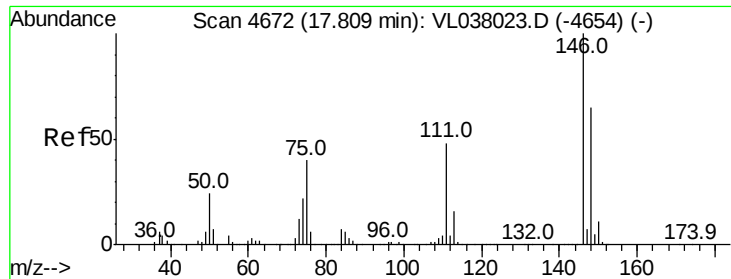
Ion Ratio Lower Upper

146 100

111 44.9 22.5 67.5

148 64.3 32.6 98.0





#77

1,2-Dichlorobenzene

Concen: 12.773 ppbv

RT: 17.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC015

Acq: 16 Nov 2021 5:30

Tot Ion:1

Ion Rati

146 100

111 48.

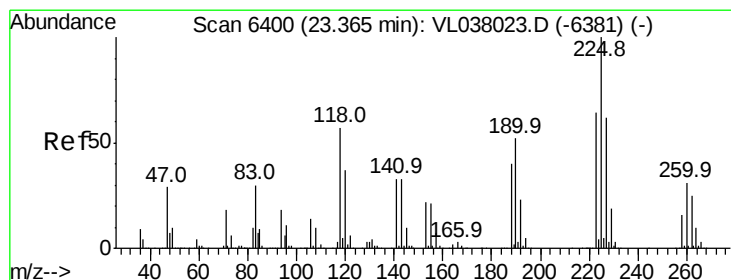
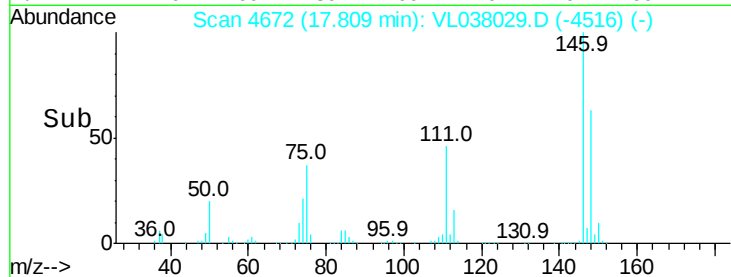
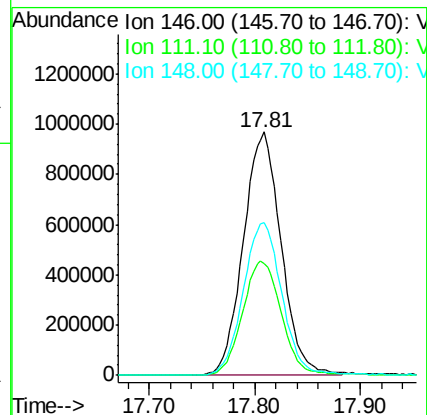
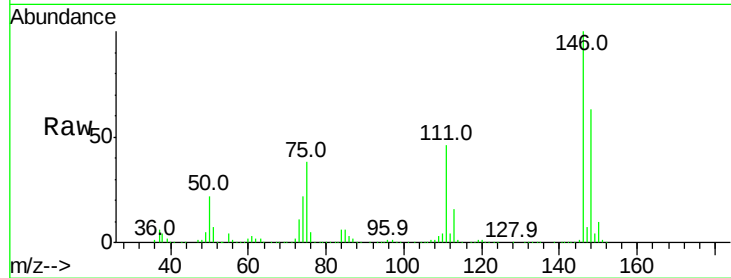
148 64.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/17/2021

Supervised By :Mahesh Dadoda 11/17/2021



#78

Hexachloro-1,3-Butadiene

Concen: 8.490 ppbv

RT: 23.36 min Scan# 6400

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

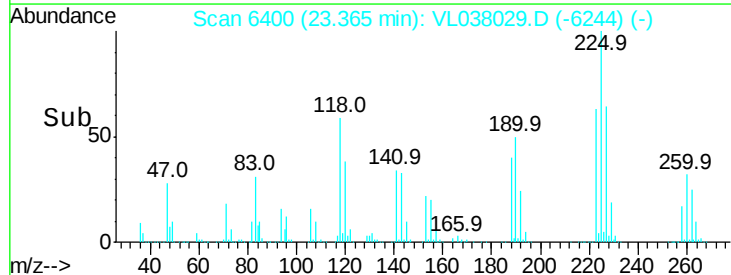
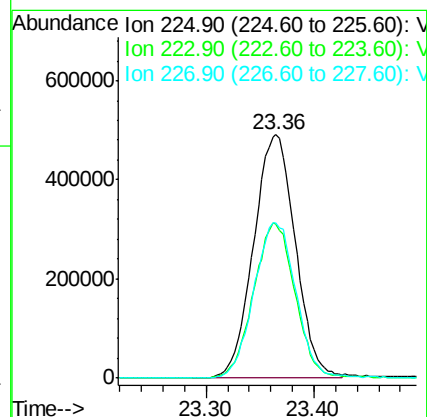
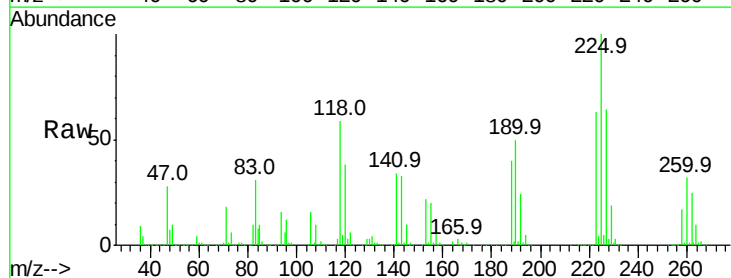
Tgt Ion:225 Resp: 1319771

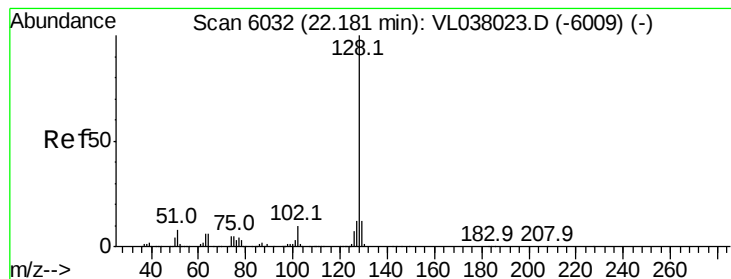
Ion Ratio Lower Upper

225 100

223 63.6 51.0 76.4

227 64.9 51.4 77.2





#79

Naphthalene

Concen: 15.672 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30

Tot Ion:1

Ion Rati

128 100

127 12.

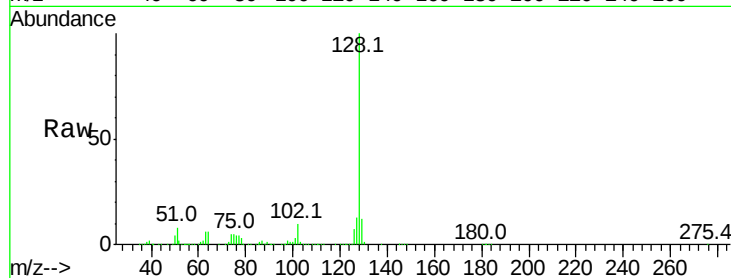
129 11.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/17/2021

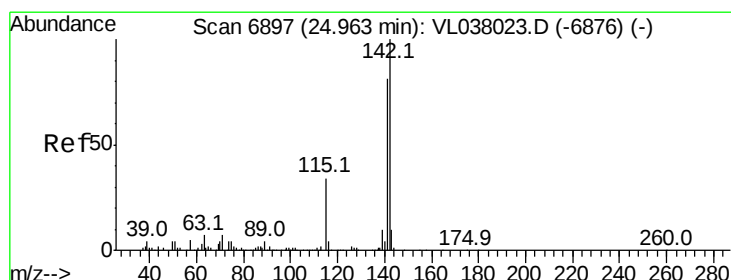
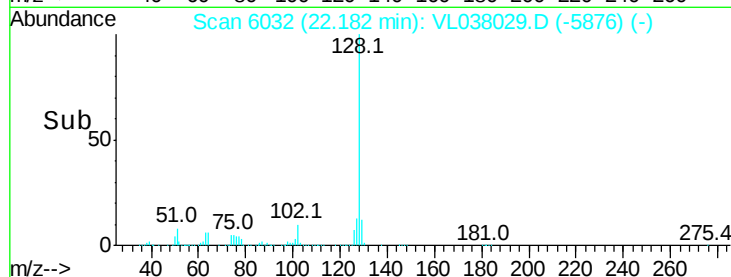
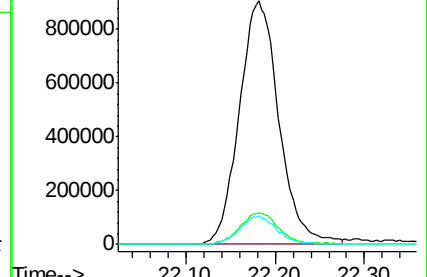
Supervised By :Mahesh Dadoda 11/17/2021



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 23.968 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

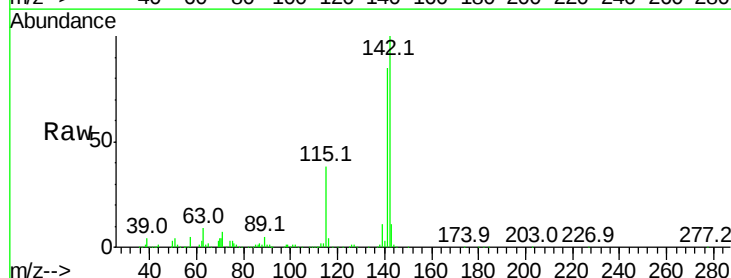
Tgt Ion:142 Resp: 735275

Ion Ratio Lower Upper

142 100

141 83.3 73.4 110.0

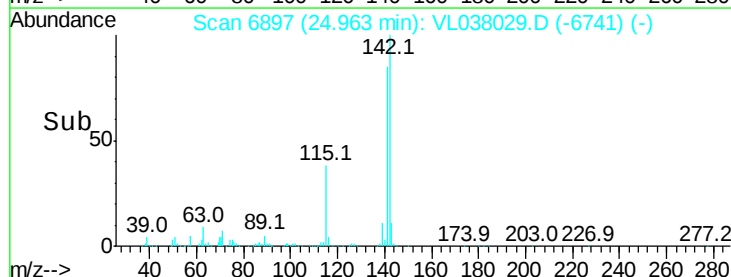
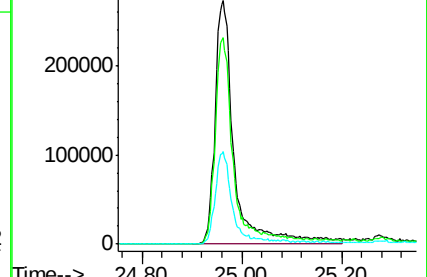
115 33.4 28.1 42.1

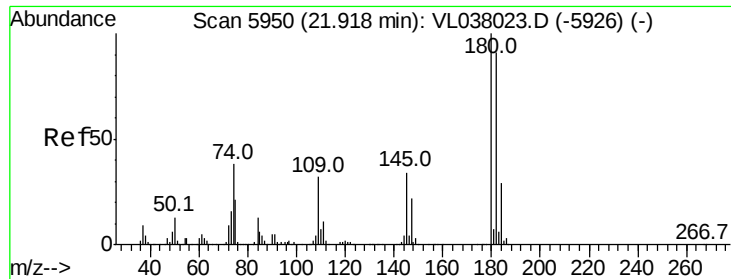


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 12.627 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 16 Nov 2021 3:30

Tot Ion:1
 Ion Rati
 180 100
 182 98.
 184 31.

Manual Integrations
 APPROVED

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

