

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038161.D
 Acq On : 8 Dec 2021 9:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

Quant Time: Dec 08 15:05:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	768821	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2188585	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2089606	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1657791	11.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	1269961	10.000	ppbv	97
3) Chlorodifluoromethane	3.00	51	1932590	11.970	ppbv	97
4) Chloromethane	3.15	50	661183	12.030	ppbv	98
5) Vinyl Chloride	3.27	62	656964	12.184	ppbv	97
6) Bromomethane	3.48	94	371774	12.871	ppbv	98
7) Chloroethane	3.56	64	227388	11.883	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	1558171	12.334	ppbv	93
9) Propene	3.02	41	631958	10.628	ppbv	96
10) Heptane	8.12	43	1638438	11.149	ppbv	99
11) Trichlorofluoromethane	3.95	101	1579563	13.078	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1151143	13.474	ppbv	97
13) Ethanol	3.62	45	58076	10.107	ppbv	93
14) Bromoethene	3.75	108	454751	11.887	ppbv	99
15) Acetone	3.85	43	816772	12.253	ppbv	96
16) 1,3-Butadiene	3.33	39	640556	12.318	ppbv	97
17) tert-Butyl alcohol	4.29	59	906705	11.214	ppbv	100
18) 1,1-Dichloroethene	4.29	96	503075	12.836	ppbv	92
19) Isopropyl Alcohol	3.97	45	508483	10.558	ppbv #	96
20) Methylene Chloride	4.35	84	419248	11.229	ppbv	98
21) Allyl Chloride	4.42	41	765824	12.412	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	559835	14.102	ppbv	95
23) Vinyl Acetate	5.07	43	1251866	12.973	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1076181	13.393	ppbv	98
25) Ethyl Acetate	5.68	43	2503375	11.300	ppbv	100
26) Hexane	5.69	57	1155309	10.820	ppbv	99
27) Carbon Disulfide	4.55	76	1260432	13.177	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1138581	12.553	ppbv	100
29) Chloroform	5.75	83	1858629	11.810	ppbv	97
30) Cyclohexane	7.13	84	1026922	10.593	ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	1033349	10.173	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	1855062	11.615	ppbv	97
34) 2-Butanone	5.24	43	864257	9.793	ppbv	98
35) Carbon Tetrachloride	7.02	117	1930425	12.554	ppbv	97
36) Benzene	6.89	78	2528957	11.584	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1497098	14.199	ppbv	96
38) Trichloroethene	7.83	130	884499	10.741	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1008938	12.048	ppbv	95
40) 1,4-Dioxane	7.83	88	243076	11.141	ppbv #	1
41) Tetrahydrofuran	6.05	42	639670	11.677	ppbv	98
42) Bromodichloromethane	7.79	83	2062113	12.864	ppbv	99
43) Methyl Methacrylate	8.01	69	934966	12.518	ppbv	94

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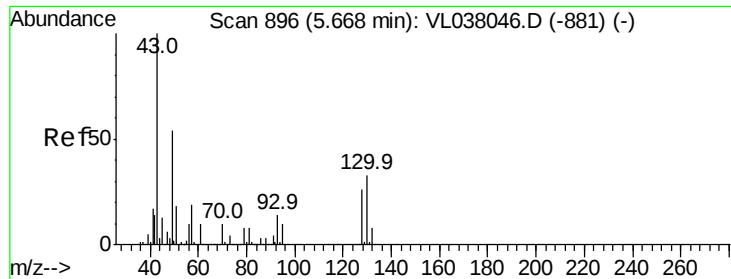
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4159043	11.387	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	921322	15.378	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1161798	14.337	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1002905	11.435	ppbv	97
48) Dibromochloromethane	10.30	129	1668271	12.490	ppbv	98
49) Bromoform	13.03	173	1225171	12.821	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1709138	12.753	ppbv	98
51) 2-Hexanone	10.14	43	825836	13.097	ppbv #	96
52) Tetrachloroethene	11.22	164	828049	10.251	ppbv	98
53) Toluene	9.80	91	2857646	11.376	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1486592	11.999	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1067559	11.254	ppbv	97
57) Chlorobenzene	12.14	112	1986485	10.607	ppbv	93
58) Ethyl Benzene	12.70	91	3776741	10.935	ppbv	98
59) m/p-Xylene	12.99	91	6445329m	22.169	ppbv	
60) o-Xylene	13.69	91	2919242	10.824	ppbv	96
61) Styrene	13.52	104	1551999	10.733	ppbv	93
62) Isopropylbenzene	14.66	105	3981752	10.401	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2146932	10.717	ppbv	99
64) n-propylbenzene	15.55	120	1020123	10.460	ppbv	88
65) tert-Butylbenzene	16.74	119	3451040	10.232	ppbv	96
66) Benzyl Chloride	16.98	91	170988	10.003	ppbv	94
67) sec-Butylbenzene	17.29	105	4878434	10.380	ppbv	100
69) p-Isopropyltoluene	17.64	119	3991636	10.858	ppbv	97
70) n-Butylbenzene	18.54	91	4098557	11.660	ppbv	98
71) 2-Chlorotoluene	15.45	91	3103248	11.087	ppbv	96
72) 4-Ethyltoluene	15.83	105	3430727	10.971	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3085586	10.804	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3221919	10.947	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	1815403	11.231	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1737455	10.681	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	1727956	11.040	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	918166	9.395	ppbv	98
79) Naphthalene	22.18	128	1721068	11.104	ppbv	97
80) Naphthalene,2-methyl-	24.97	142	365877	11.015	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	965104	10.836	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

49 100

128 50.

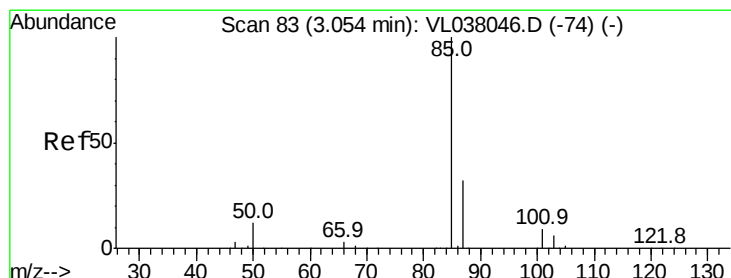
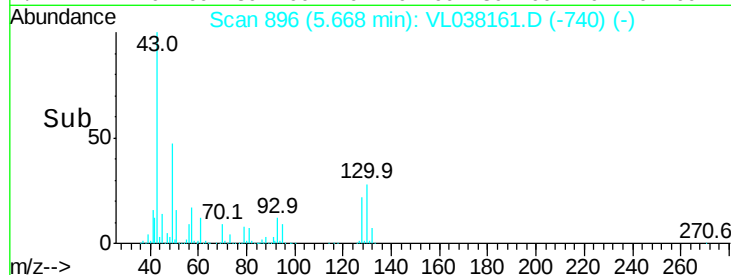
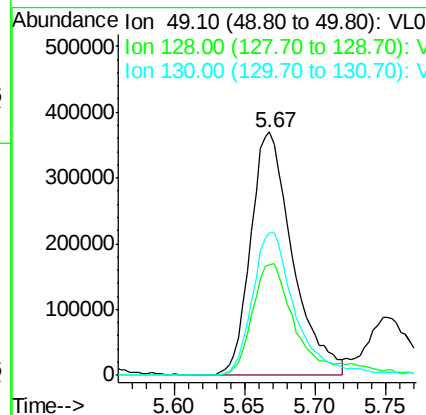
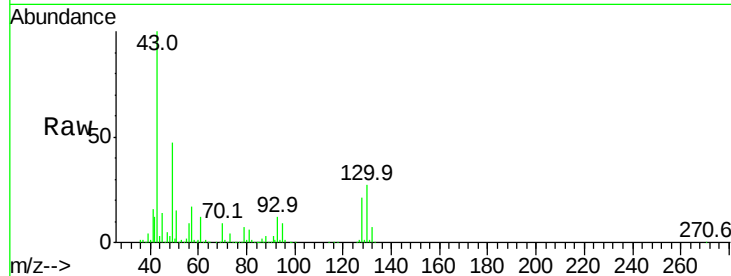
130 61.

Manual Integrations

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Supervised By :Semsettin Yesilyurt 12/08/2021



#2

Dichlorodifluoromethane

Concen: 10.000 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038161.D

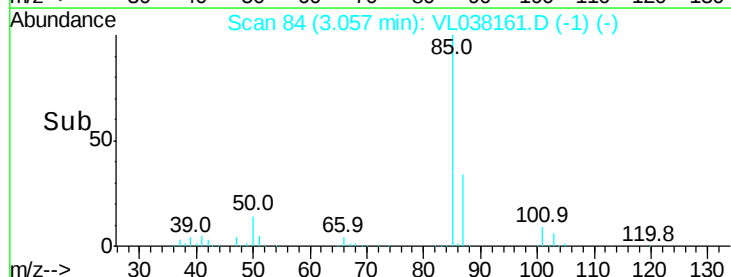
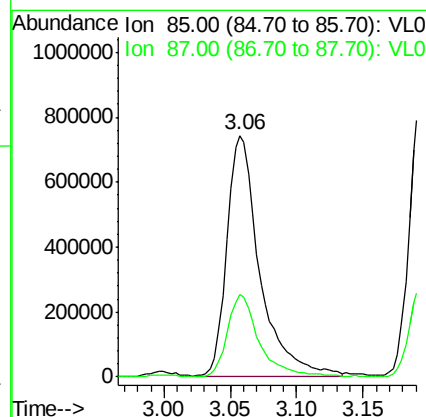
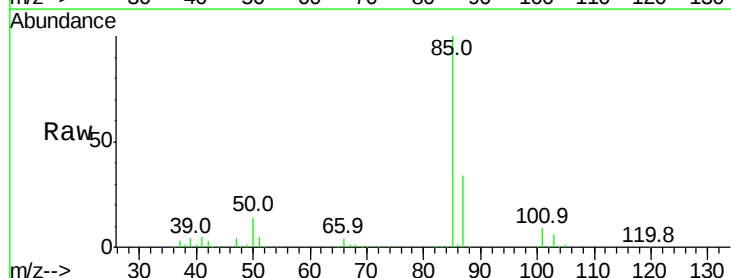
Acq: 8 Dec 2021 9:27

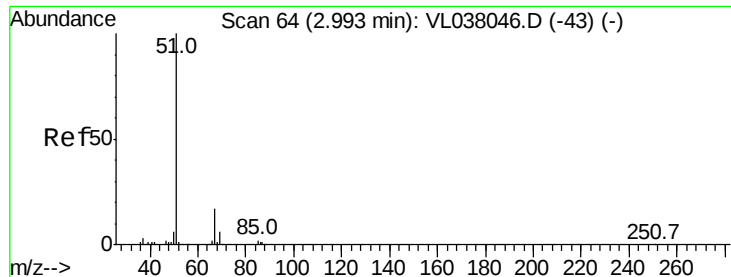
Tgt Ion: 85 Resp: 1269961

Ion Ratio Lower Upper

85 100

87 34.0 25.8 38.6





#3

Chlorodifluoromethane

Concen: 11.970 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

51 100

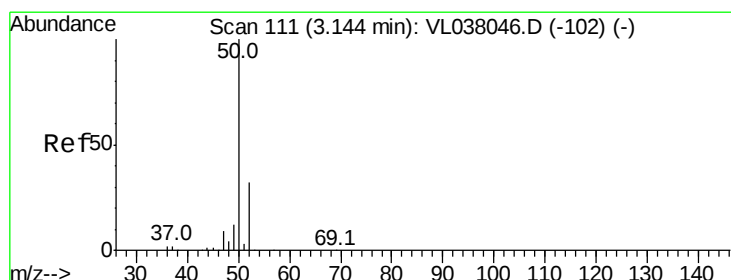
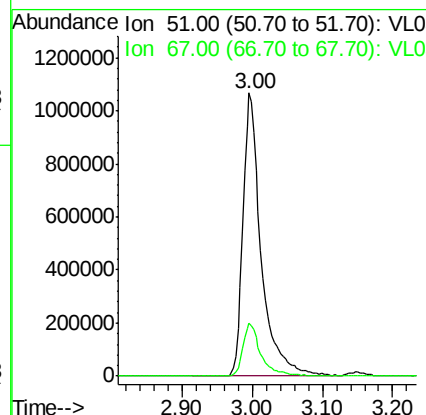
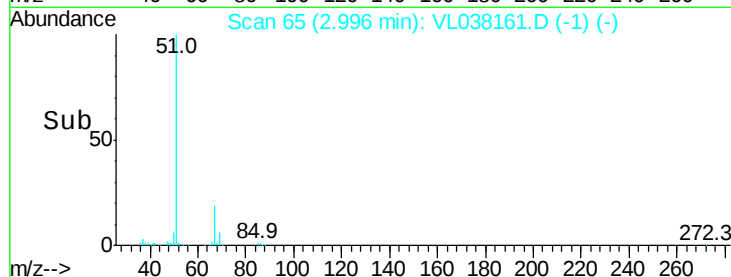
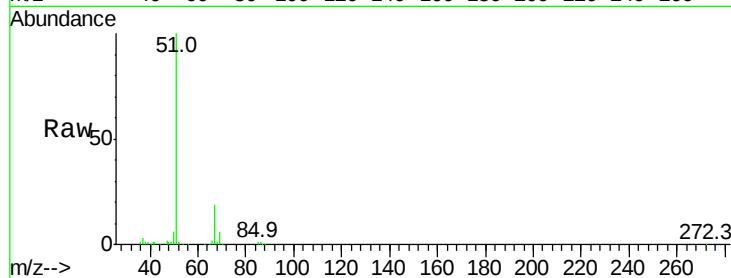
67 18.

Manual Integrations

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#4

Chloromethane

Concen: 12.030 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038161.D

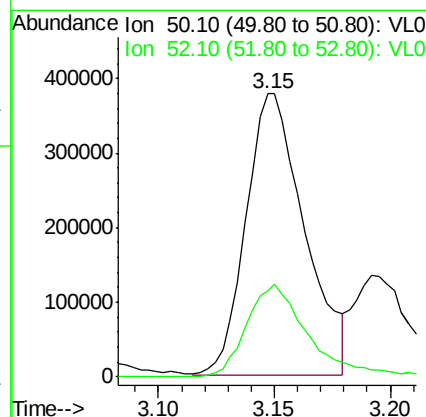
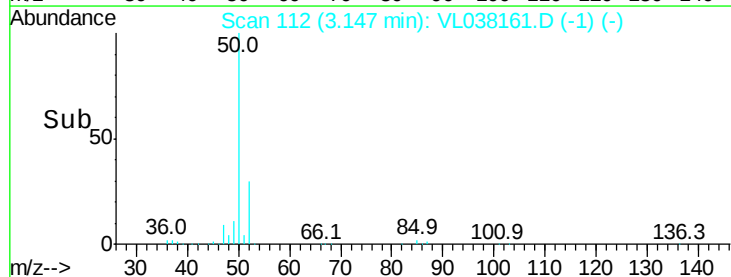
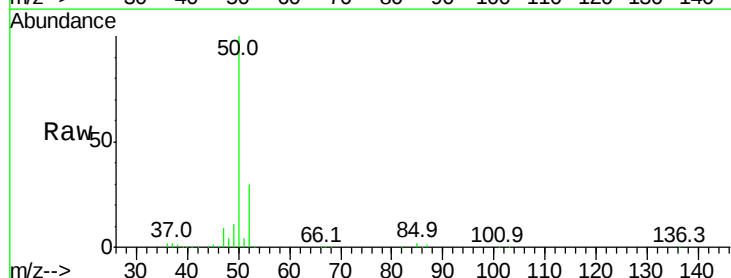
Acq: 8 Dec 2021 9:27

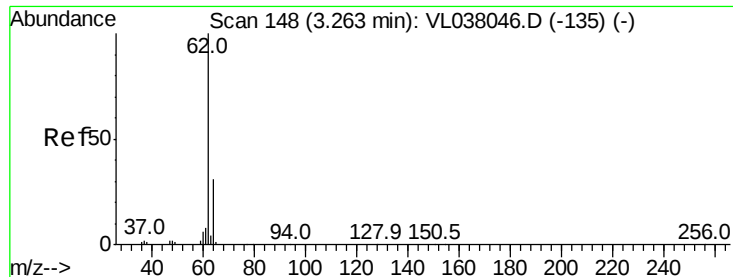
Tgt Ion: 50 Resp: 661183

Ion Ratio Lower Upper

50 100

52 30.6 25.4 38.0





#5

Vinyl Chloride

Concen: 12.184 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

62 100

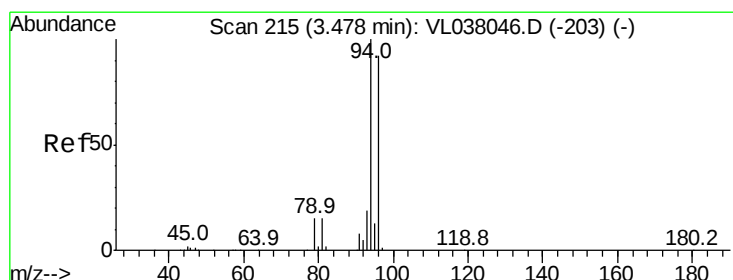
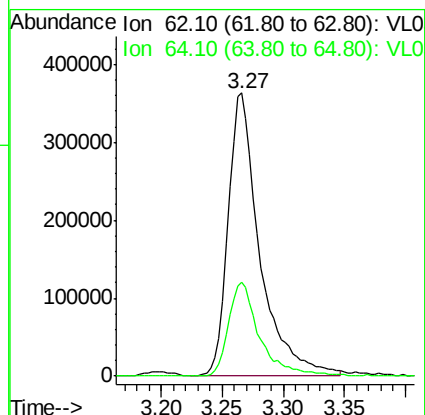
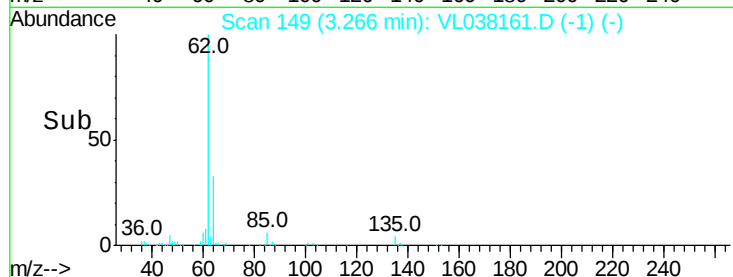
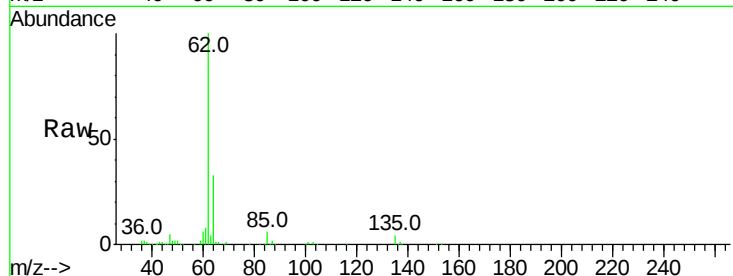
64 33.

Manual Integrations

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#6

Bromomethane

Concen: 12.871 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038161.D

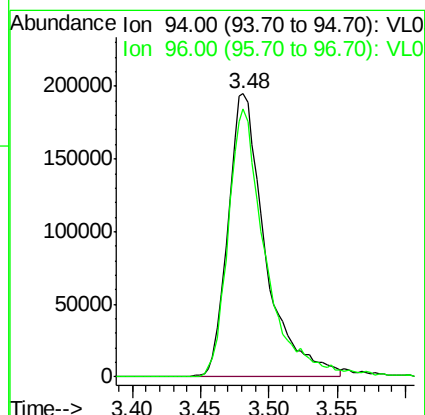
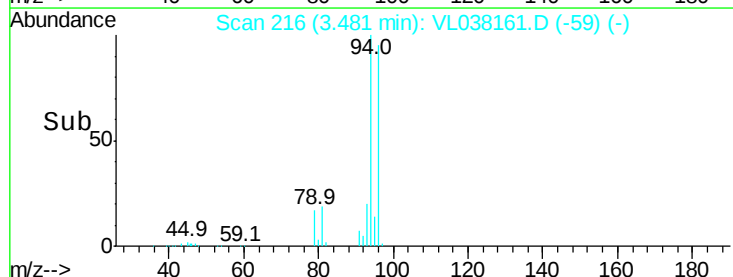
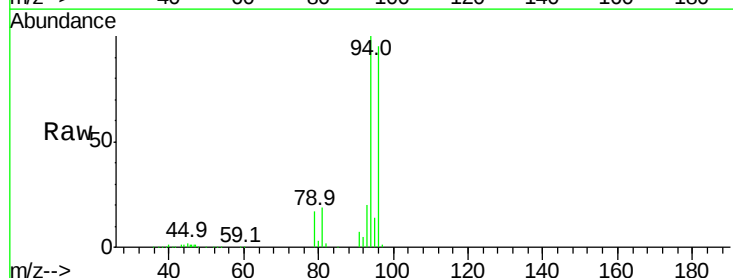
Acq: 8 Dec 2021 9:27

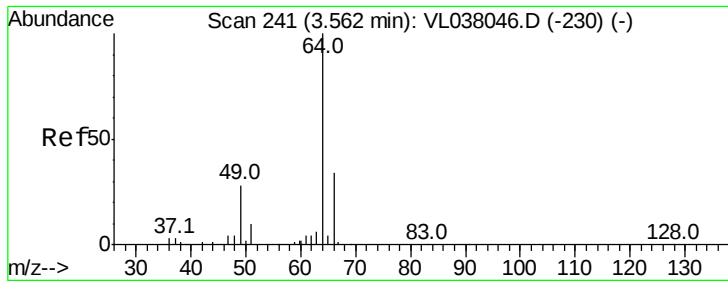
Tgt Ion: 94 Resp: 371774

Ion Ratio Lower Upper

94 100

96 94.5 73.9 110.9





#7

Chloroethane

Concen: 11.883 ppbv

RT: 3.56 Instrument: MSVOA_L

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 8 Dec 2021 9:27

Tot Ion:

Ion Ratio

64 100

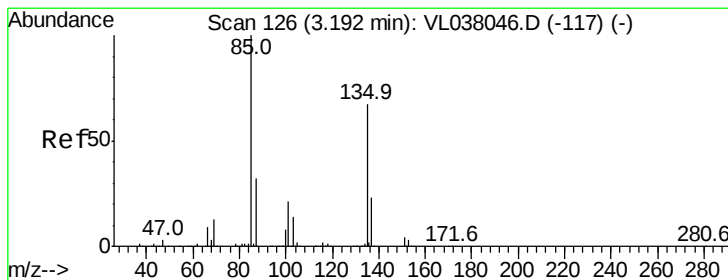
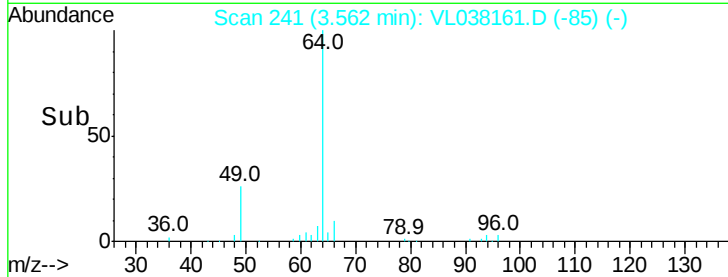
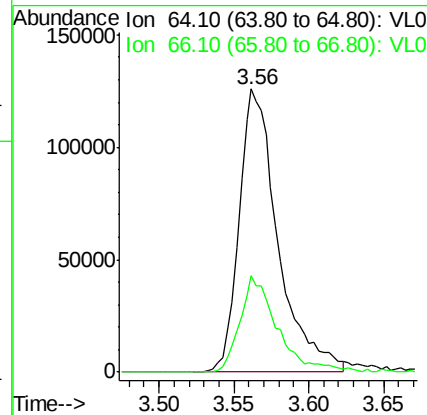
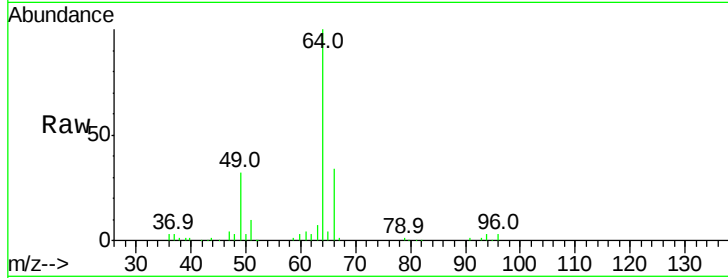
66 33.

Manual Integrations

APPROVED

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#8

Dichlorotetrafluoroethane

Concen: 12.334 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL038161.D

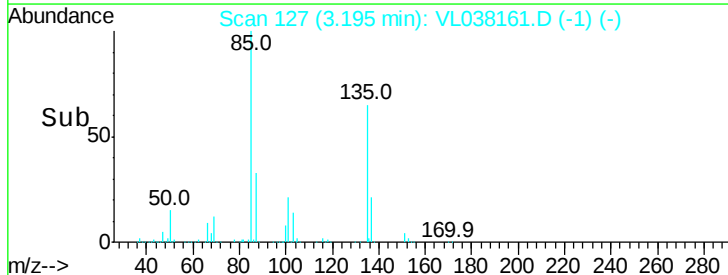
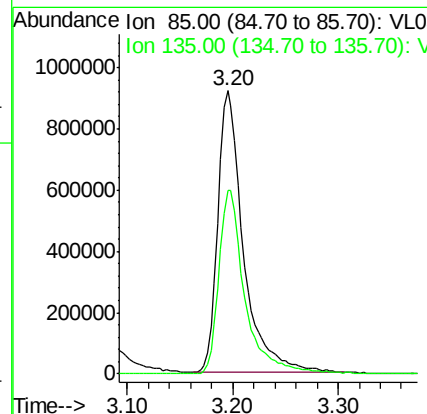
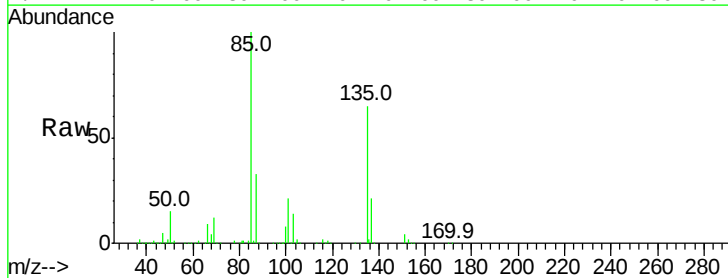
Acq: 8 Dec 2021 9:27

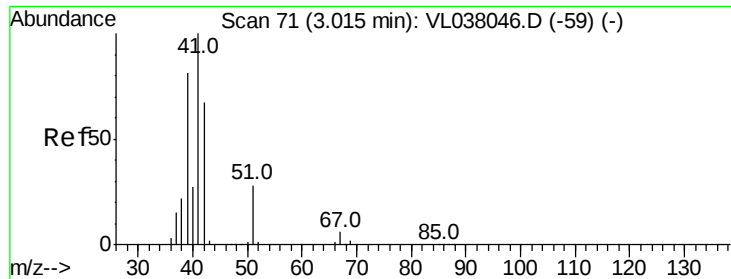
Tgt Ion: 85 Resp: 1558171

Ion Ratio Lower Upper

85 100

135 66.9 57.9 86.9





#9

Propene

Concen: 10.628 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27

Tot Ion:

Ion Ratio

41 100

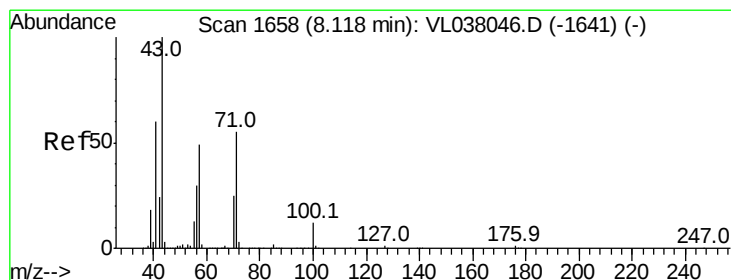
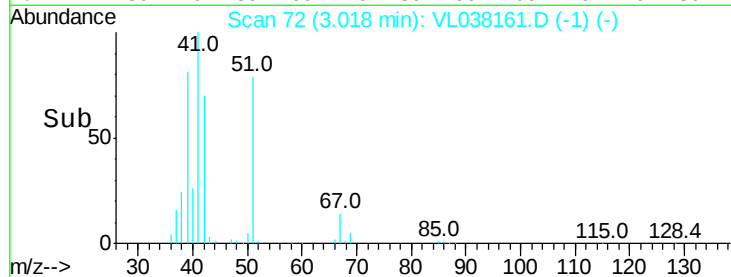
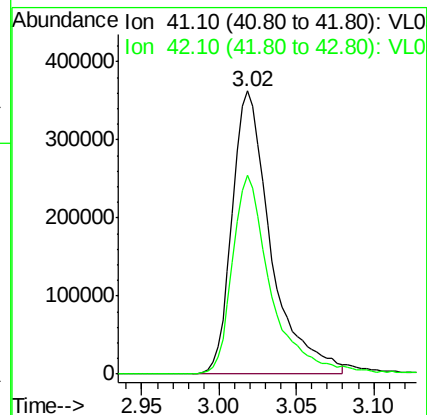
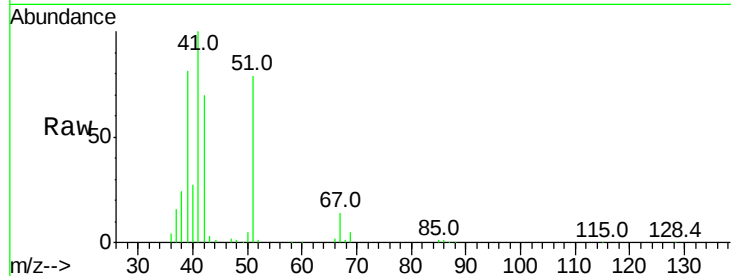
42 70.

Manual Integrations

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#10

Heptane

Concen: 11.149 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL038161.D

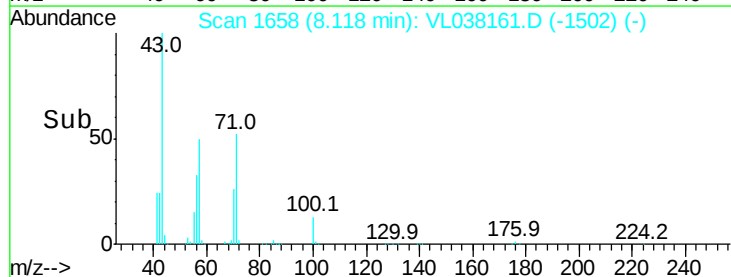
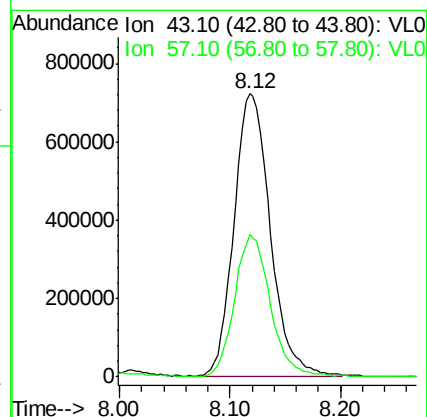
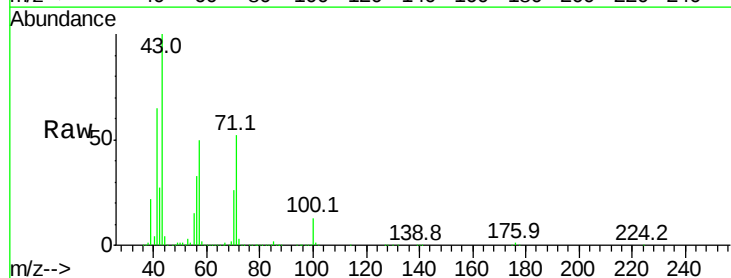
Acq: 8 Dec 2021 9:27

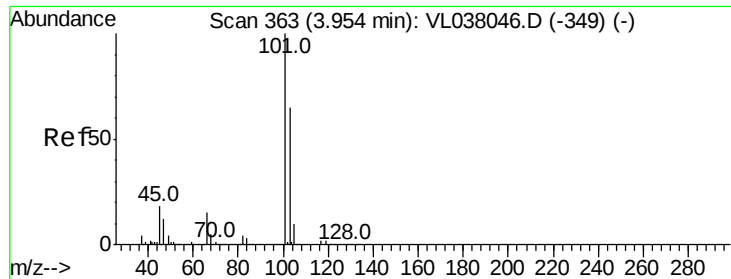
Tgt Ion: 43 Resp: 1638438

Ion Ratio Lower Upper

43 100

57 49.8 40.4 60.6



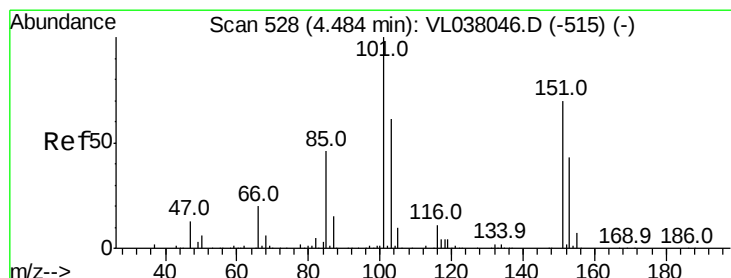
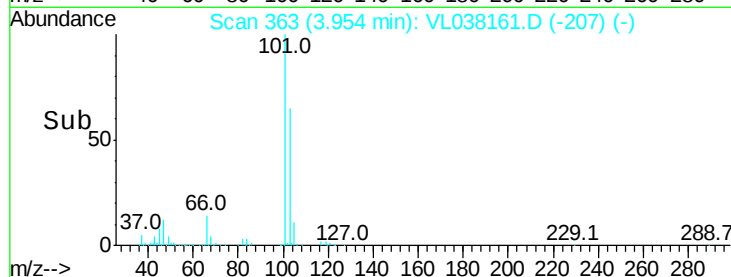
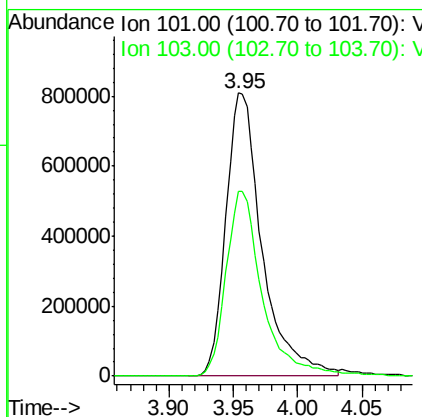
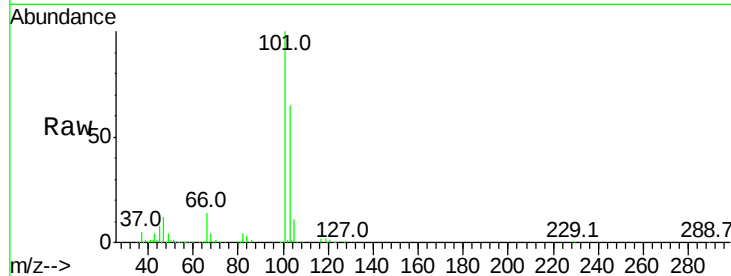


#11
 Trichlorofluoromethane
 Concen: 13.078 ppbv
 RT: 3.95 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion:1
 Ion Ratio
 101 100
 103 65.

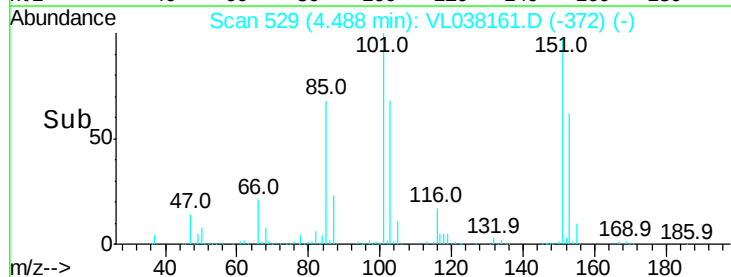
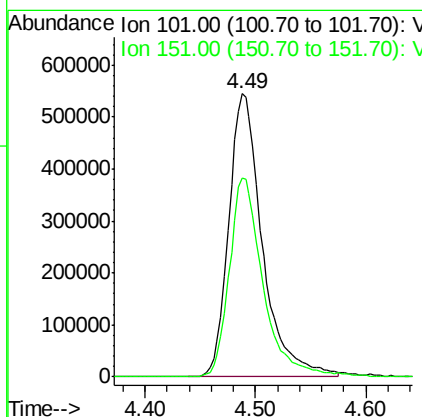
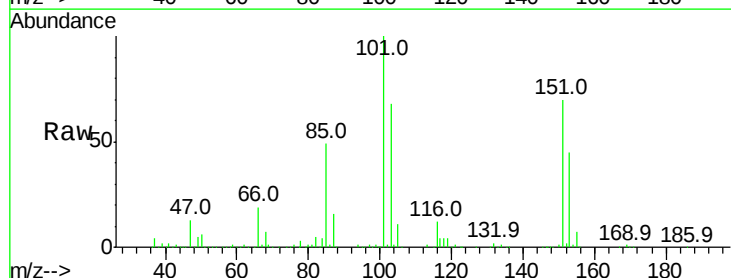
Manual Integrations
 APPROVED

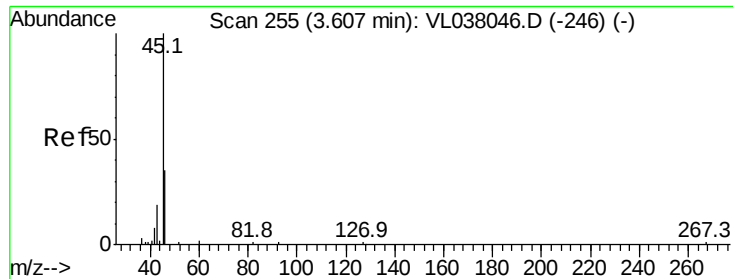
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.474 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion:101 Resp: 1151143
 Ion Ratio Lower Upper
 101 100
 151 70.7 59.0 88.4



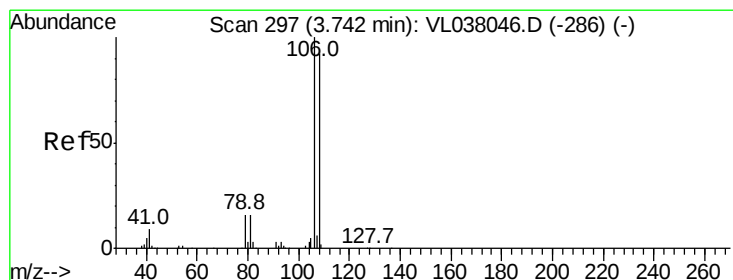
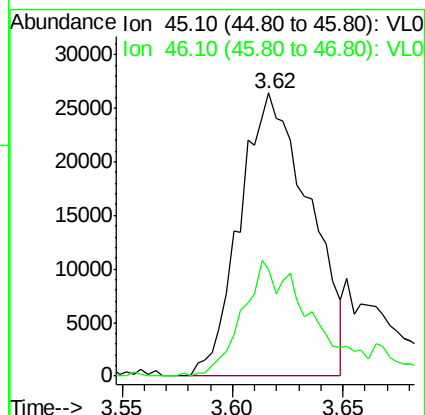
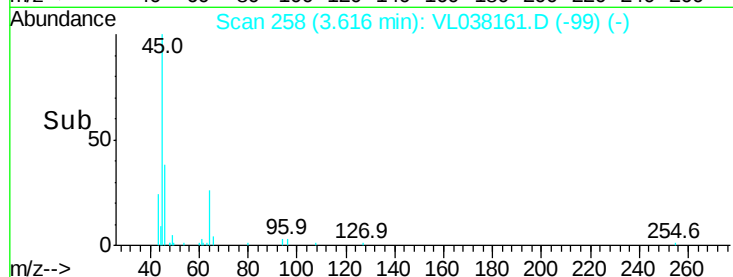
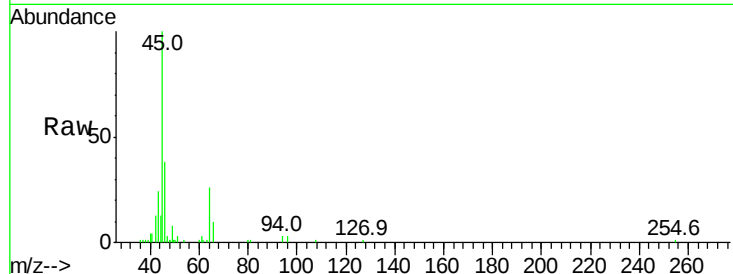


#13
Ethanol
Concen: 10.107 ppbv
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
45 100
46 48.

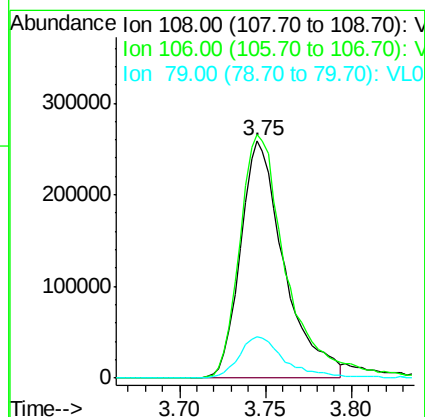
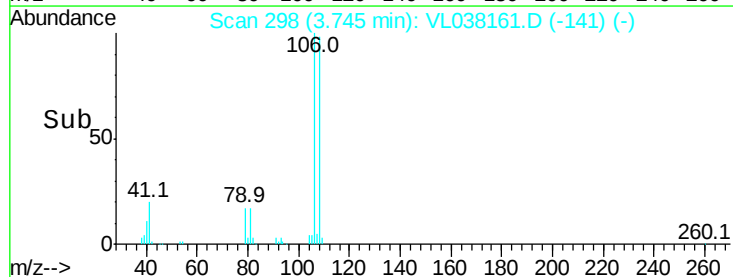
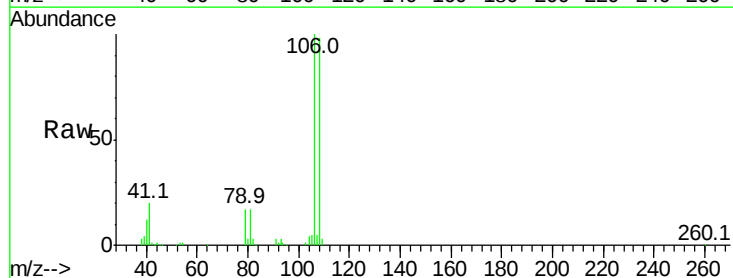
Manual Integrations
APPROVED

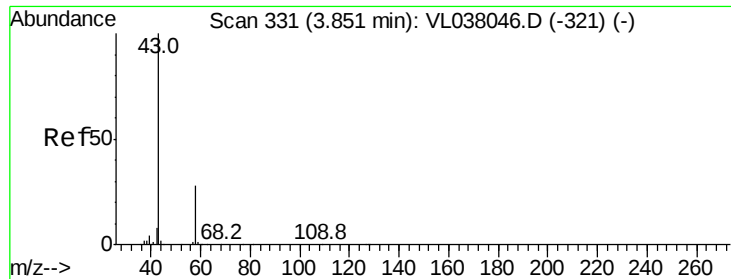
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#14
Bromoethene
Concen: 11.887 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion:108 Resp: 454751
Ion Ratio Lower Upper
108 100
106 112.1 89.4 134.0
79 19.3 14.1 21.1





#15

Acetone

Concen: 12.253 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

43 100

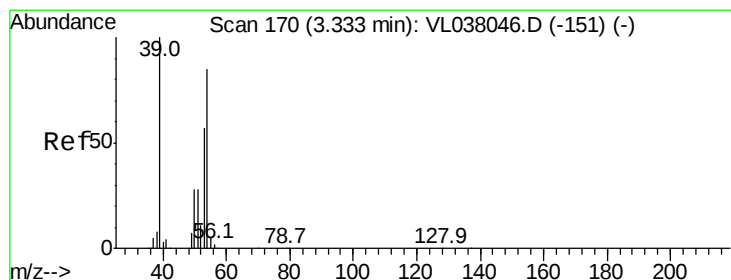
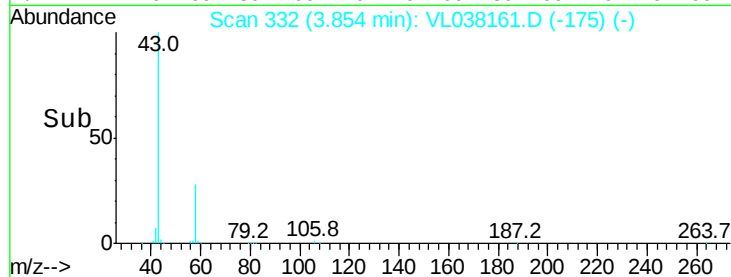
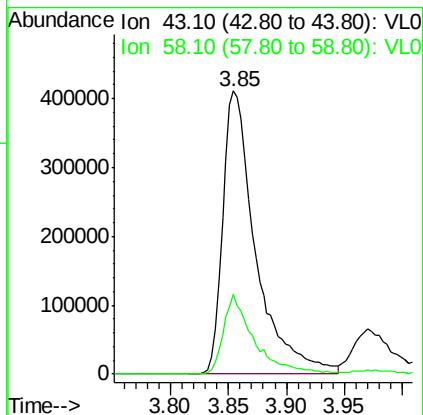
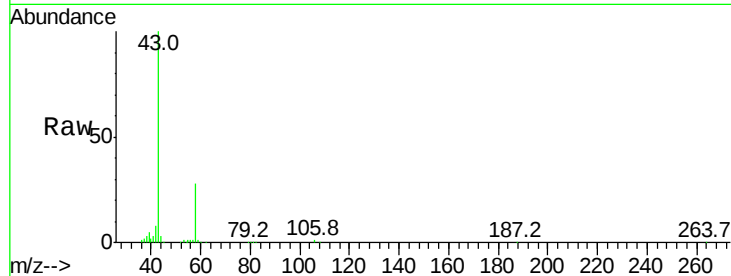
58 26.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#16

1,3-Butadiene

Concen: 12.318 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL038161.D

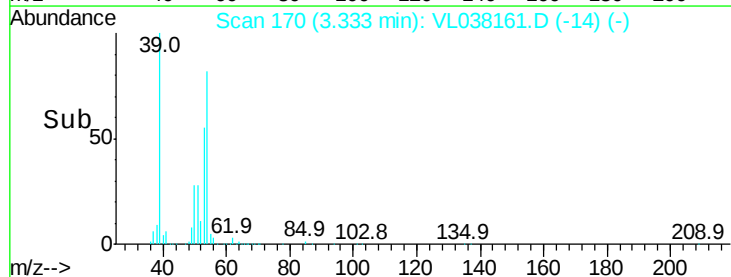
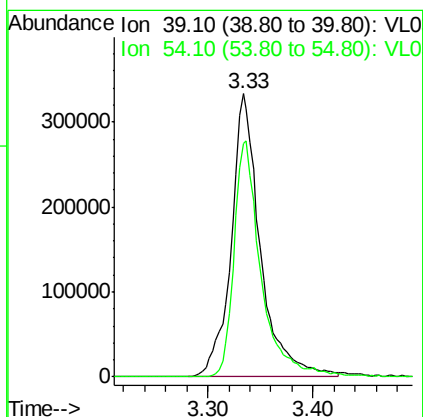
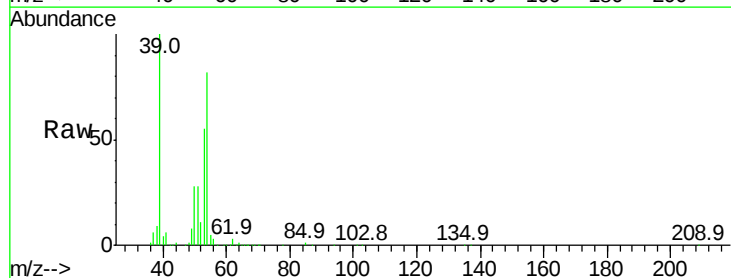
Acq: 8 Dec 2021 9:27

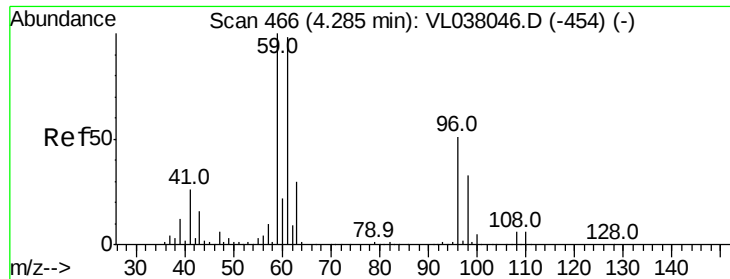
Tgt Ion: 39 Resp: 640556

Ion Ratio Lower Upper

39 100

54 77.5 64.4 96.6





#17

tert-Butyl alcohol

Concen: 11.214 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

59 100

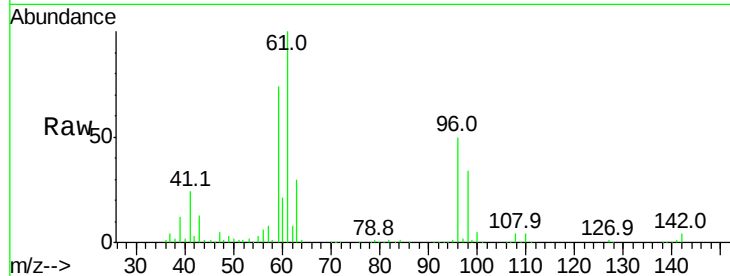
57 10.

Manual Integrations

APPROVED

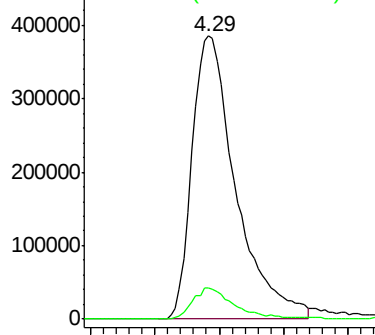
Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021

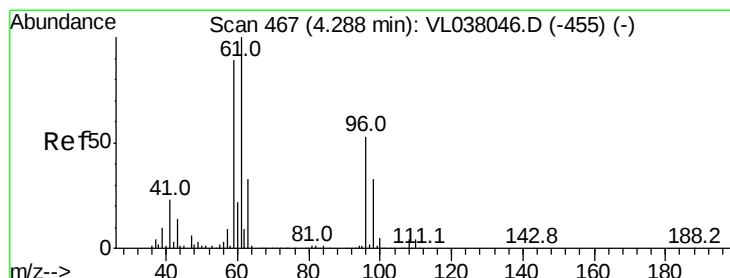
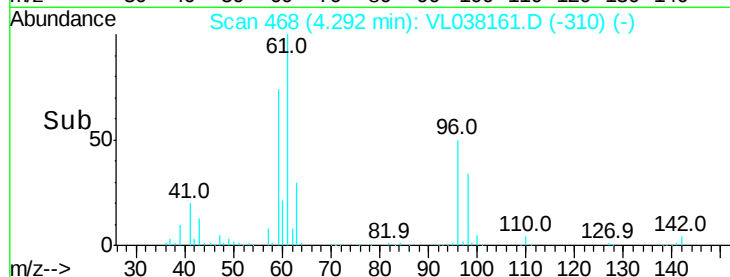


Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 12.836 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

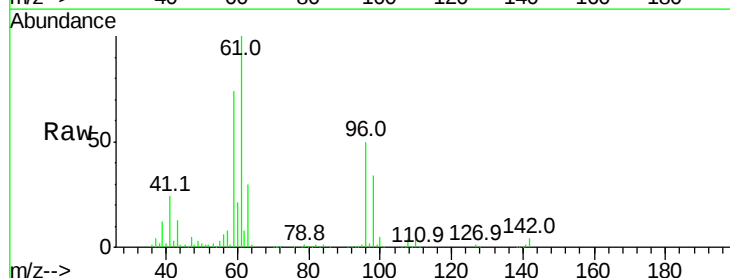
Tgt Ion: 96 Resp: 503075

Ion Ratio Lower Upper

96 100

61 199.3 149.8 224.8

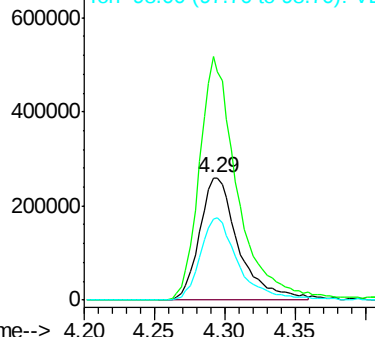
98 66.8 50.2 75.2



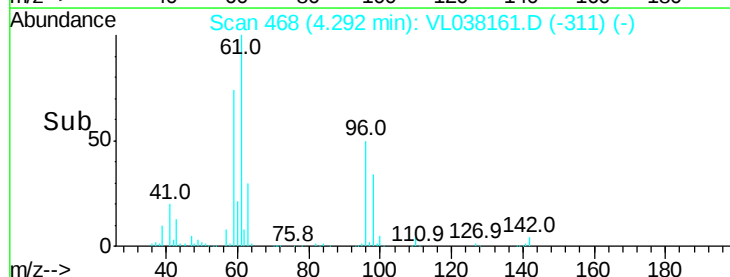
Abundance Ion 96.00 (95.70 to 96.70): VL0

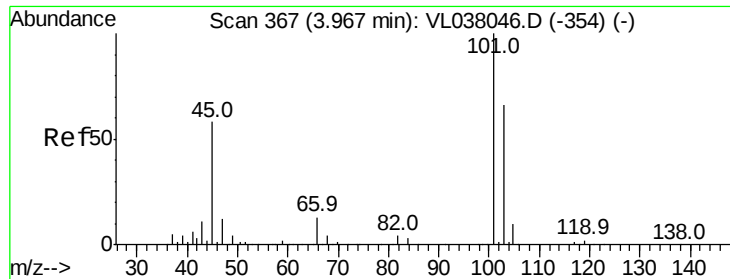
Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



Time--> 4.20 4.25 4.30 4.35



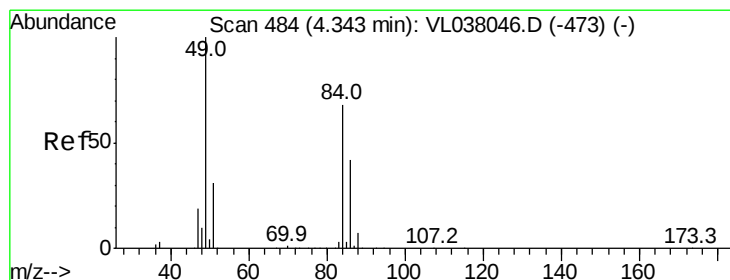
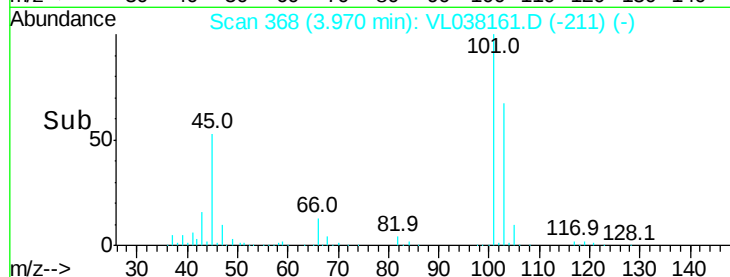
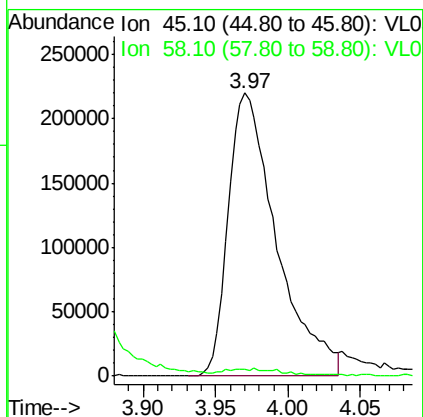
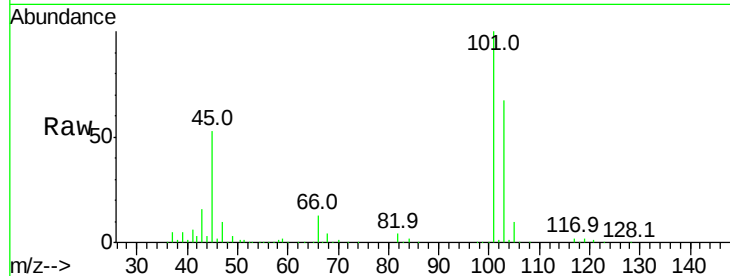


#19
Isopropyl Alcohol
Concen: 10.558 ppbv
RT: 3.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
45 100
58 3.

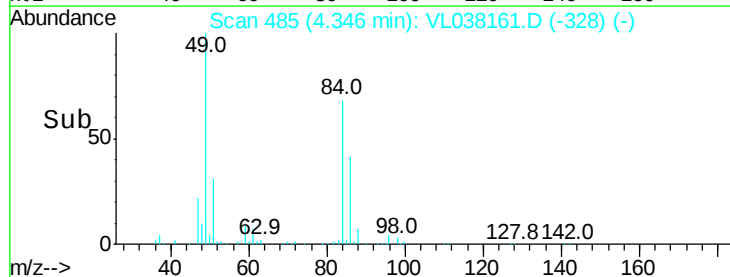
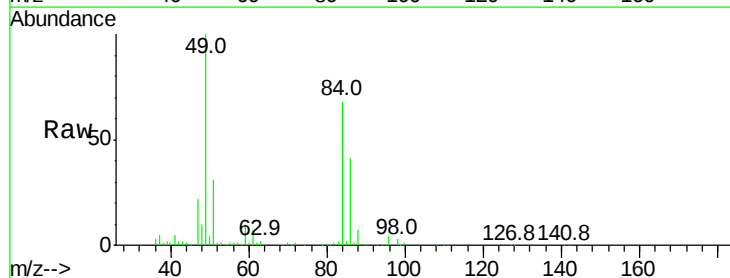
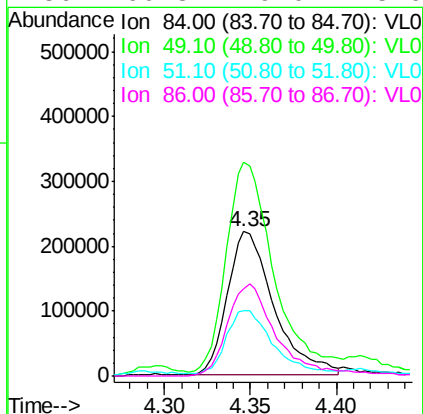
Manual Integrations
APPROVED

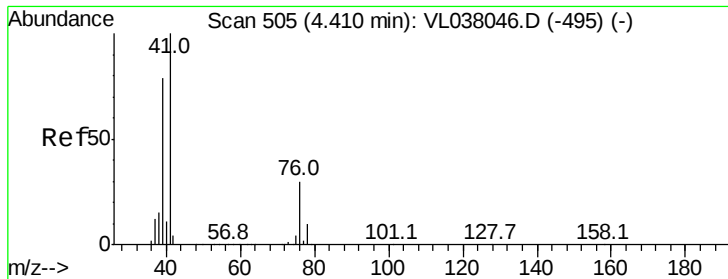
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#20
Methylene Chloride
Concen: 11.229 ppbv
RT: 4.35 min Scan# 485
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 84 Resp: 419248
Ion Ratio Lower Upper
84 100
49 146.2 118.2 177.2
51 44.0 36.8 55.2
86 60.3 49.0 73.6



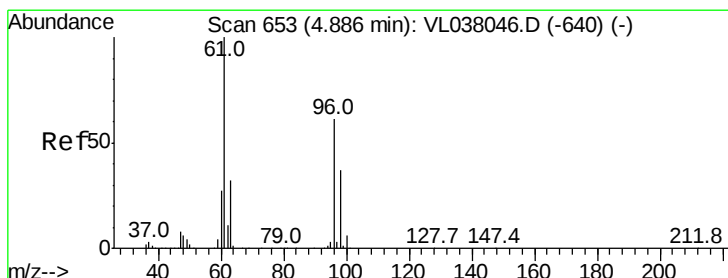
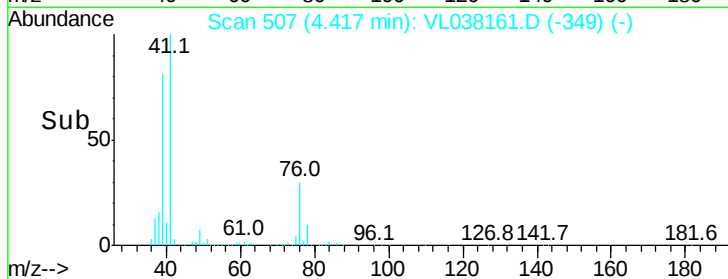
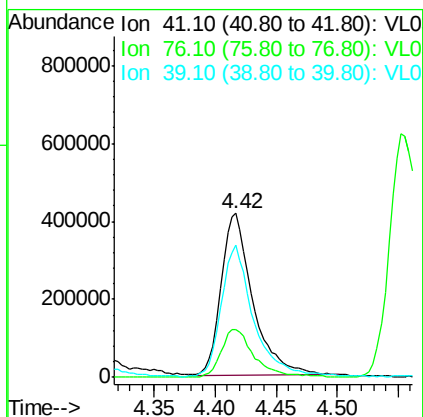
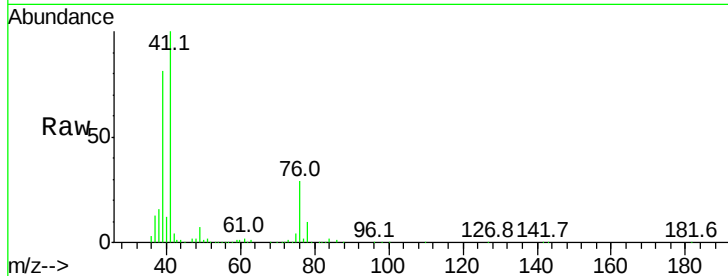


#21
Allvl Chloride
Concen: 12.412 ppbv
RT: 4.42
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
41 100
76 30.
39 82.

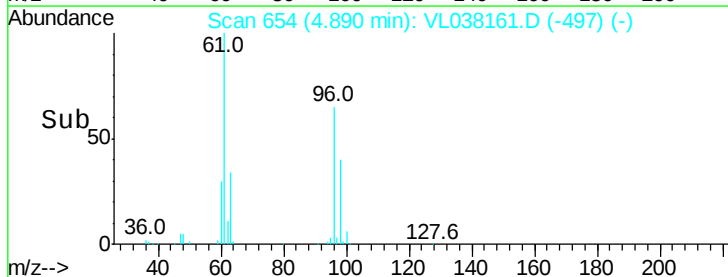
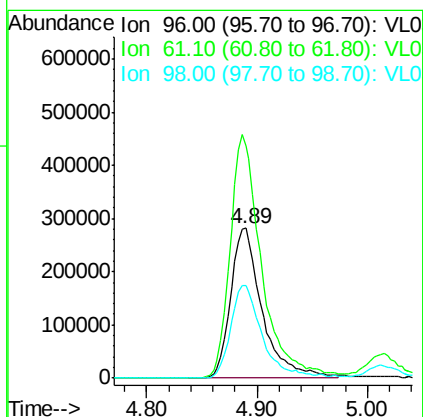
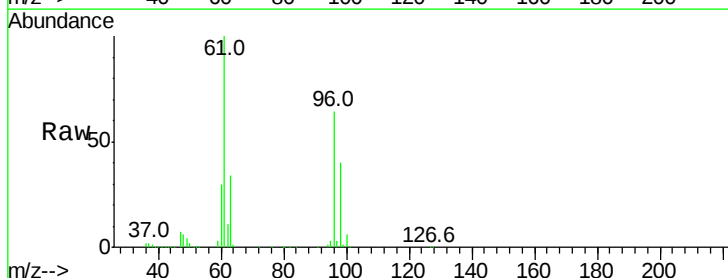
Manual Integrations
APPROVED

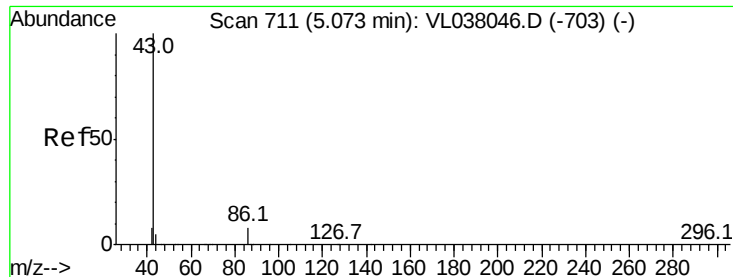
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#22
trans-1,2-Dichloroethene
Concen: 14.102 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 96 Resp: 559835
Ion Ratio Lower Upper
96 100
61 155.3 131.6 197.4
98 61.7 48.4 72.6





#23

Vinyl Acetate

Concen: 12.973 ppbv

RT: 5.07 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010EC

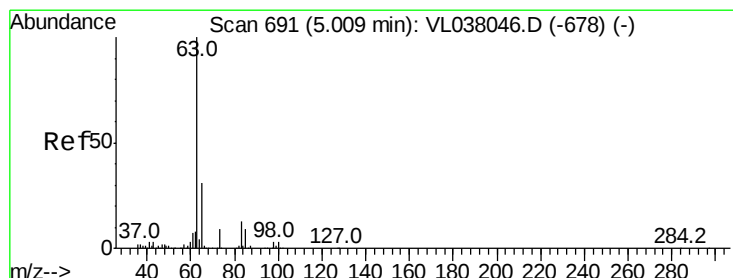
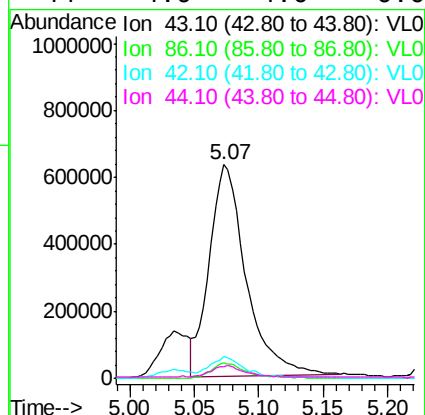
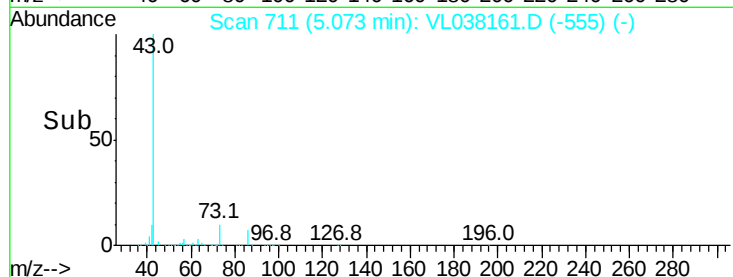
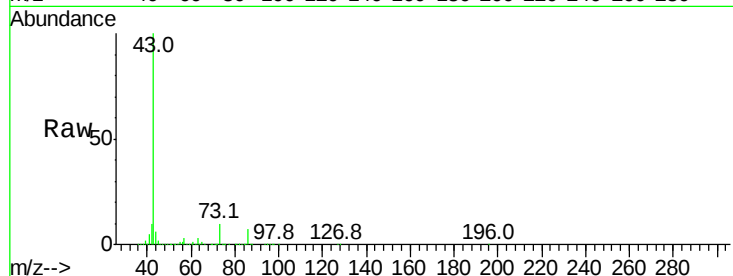
Acq: 8 Dec 2021 9:27

Tot Ion: 43.10 (42.80 to 43.80): VL0

Ion	Ratio
43	100
86	7.1
42	10.1
44	4.9
4.0	4.0
6.0	6.0

Manual Integrations
APPROVED

Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#24

1,1-Dichloroethane

Concen: 13.393 ppbv

RT: 5.01 min Scan# 692

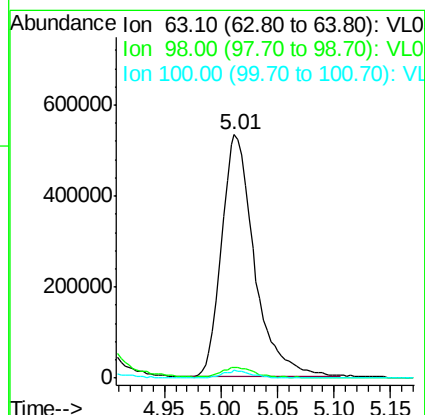
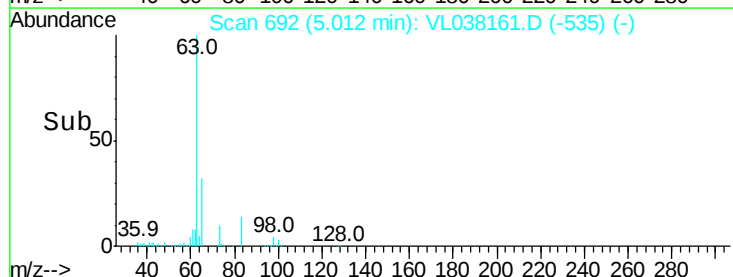
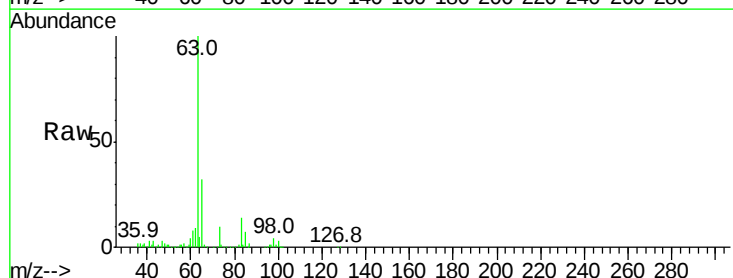
Delta R.T. 0.00 min

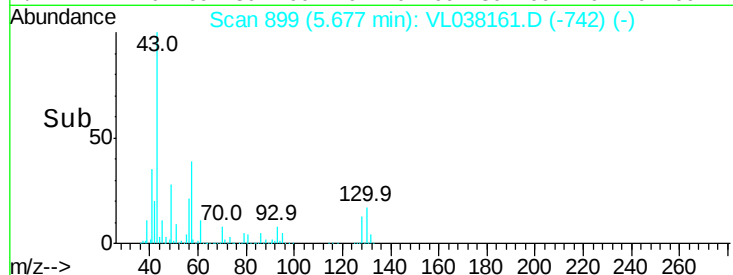
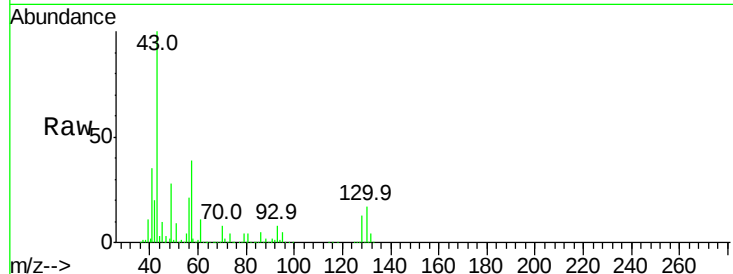
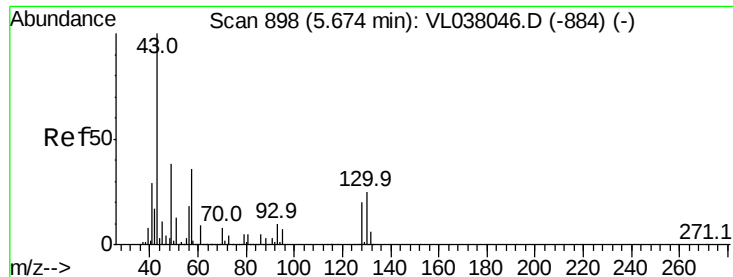
Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion: 63 Resp: 1076181

Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.4
100	3.2	1.4	4.0



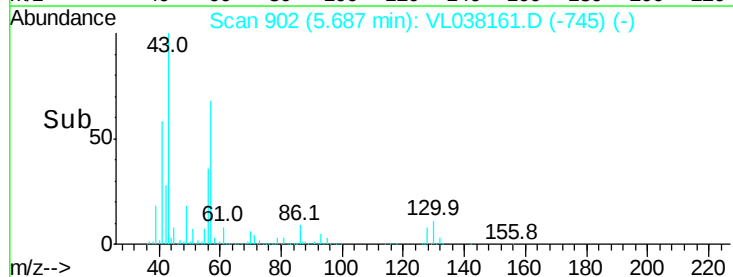
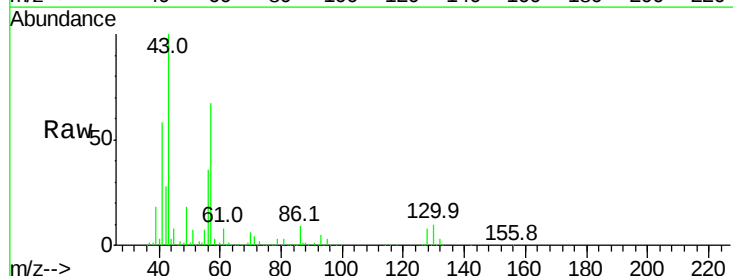
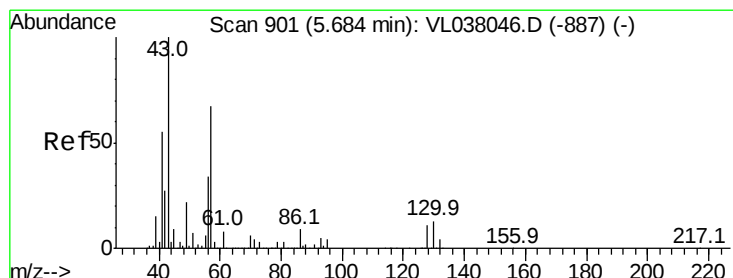
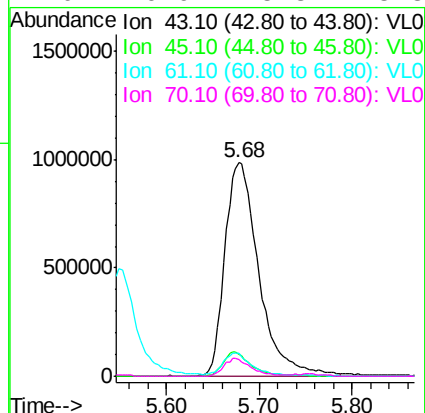


#25
Ethyl Acetate
Concen: 11.300 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
43 100
45 9.
61 9.
70 6.9 5.8 8.8

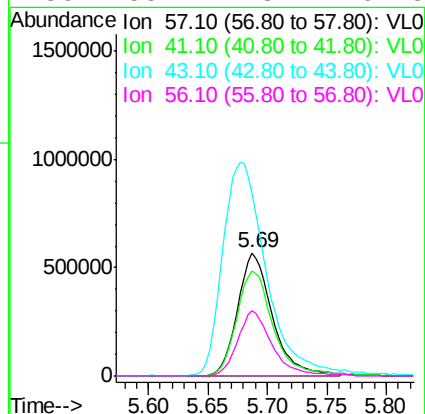
Manual Integrations
APPROVED

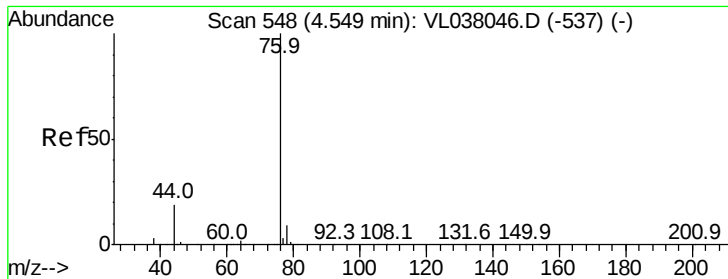
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#26
Hexane
Concen: 10.820 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 57 Resp: 1155309
Ion Ratio Lower Upper
57 100
41 90.9 71.4 107.2
43 219.3 174.6 261.8
56 53.1 43.2 64.8



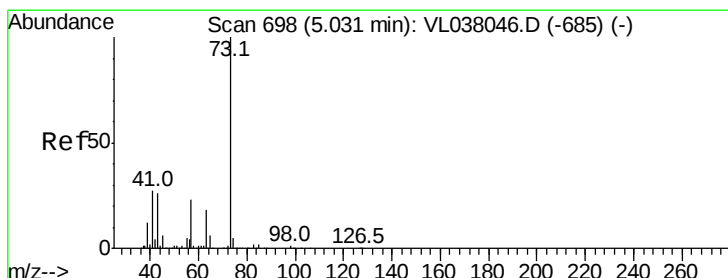
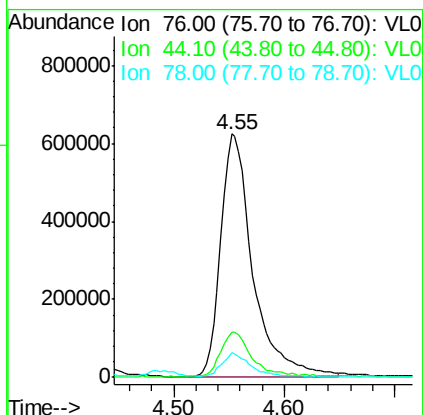
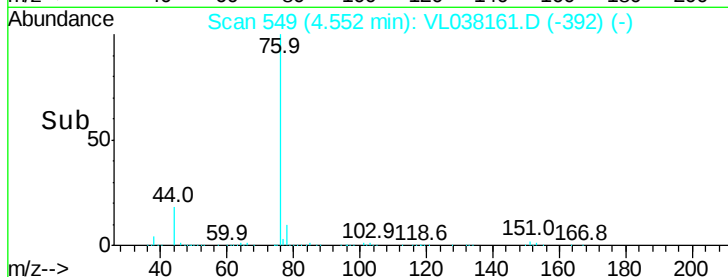
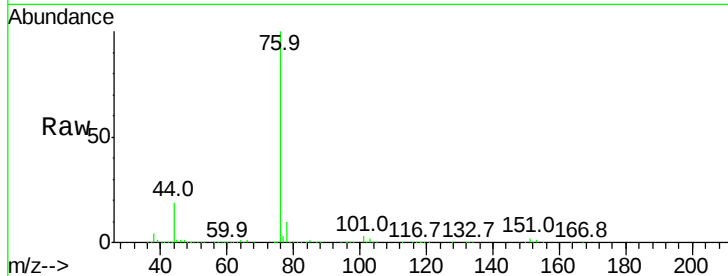


#27
Carbon Disulfide
Concen: 13.177 ppbv
RT: 4.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
76 100
44 19.
78 9.

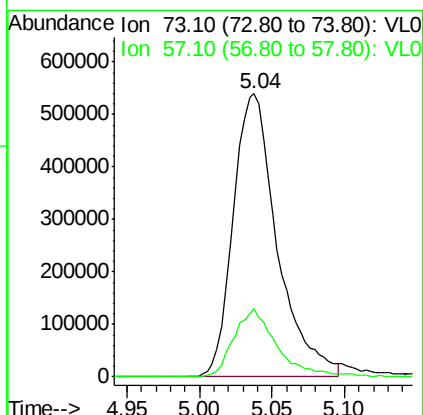
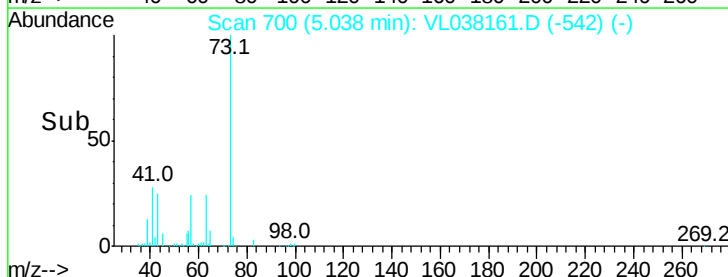
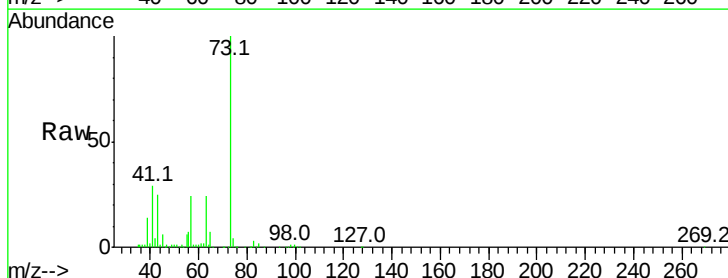
Manual Integrations
APPROVED

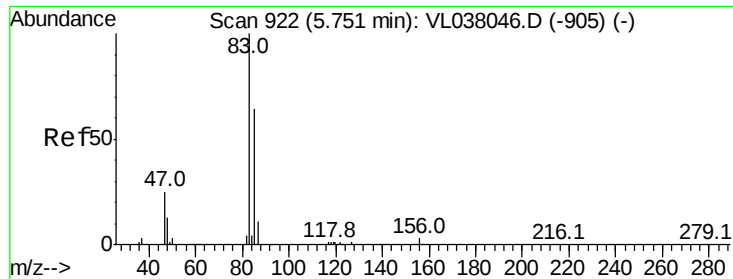
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#28
Methyl tert-Butyl Ether
Concen: 12.553 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.01 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 73 Resp: 1138581
Ion Ratio Lower Upper
73 100
57 23.9 19.0 28.4



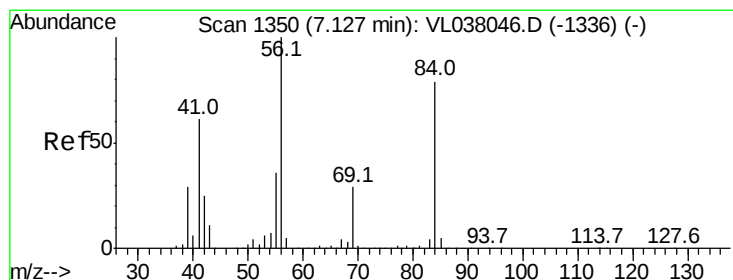
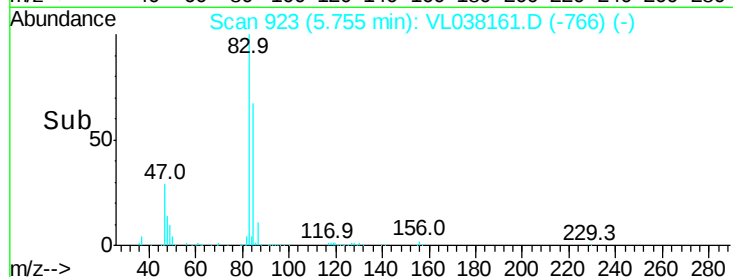
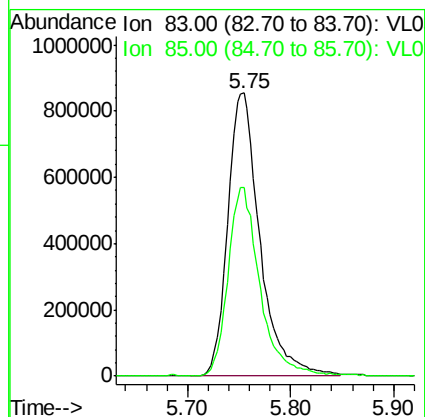
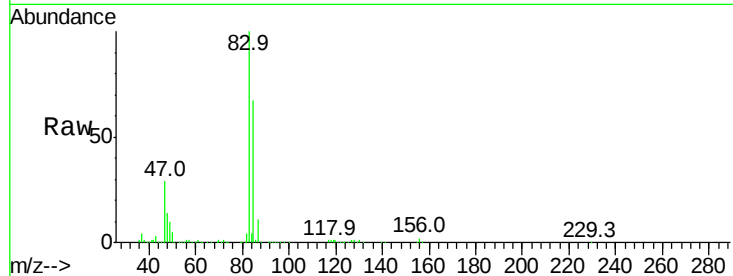


#29
Chloroform
Concen: 11.810 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
83 100
85 66.

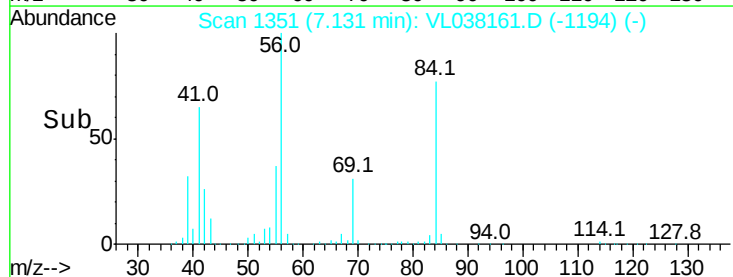
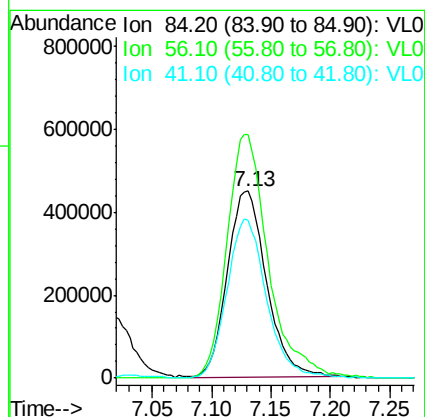
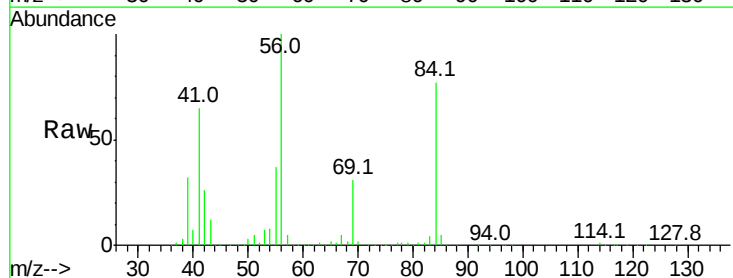
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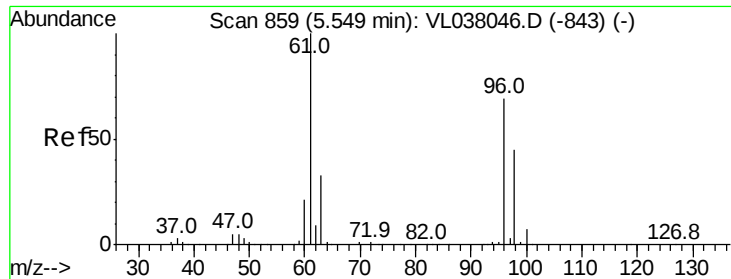
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#30
Cyclohexane
Concen: 10.593 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 84 Resp: 1026922
Ion Ratio Lower Upper
84 100
56 138.5 108.1 162.1
41 86.7 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 10.173 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

61 100

96 64.

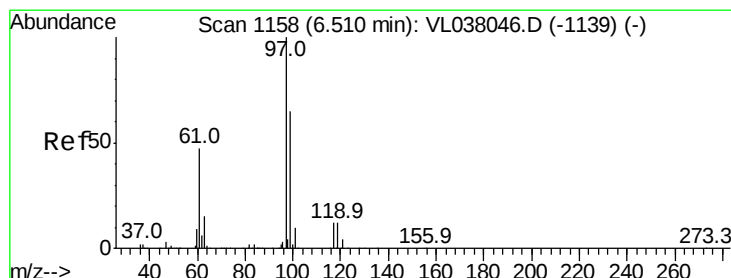
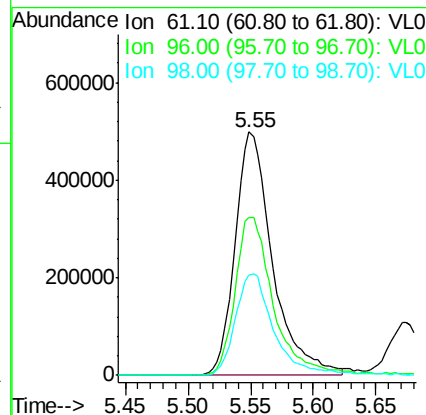
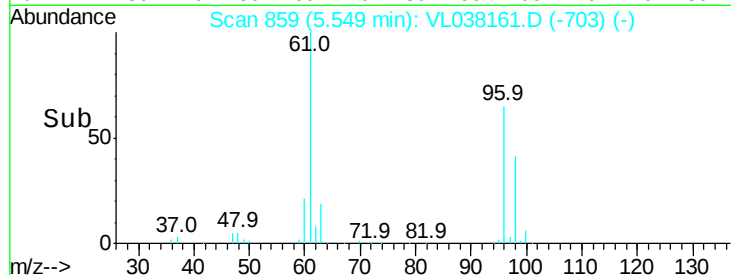
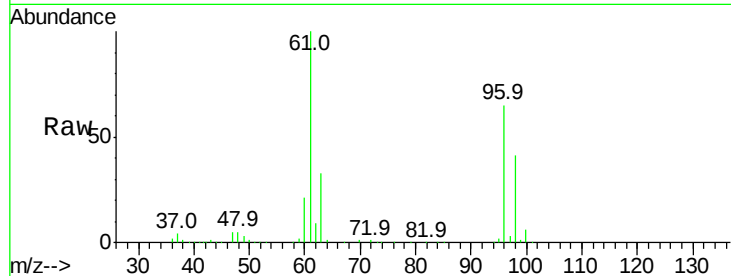
98 41.

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#32

1,1,1-Trichloroethane

Concen: 11.615 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

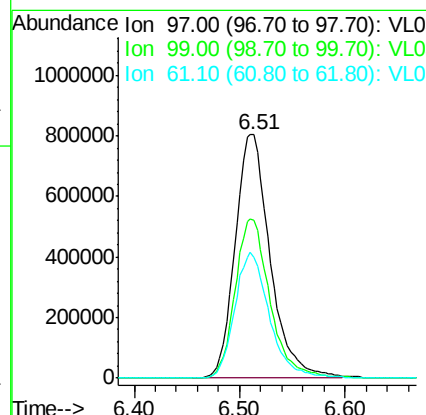
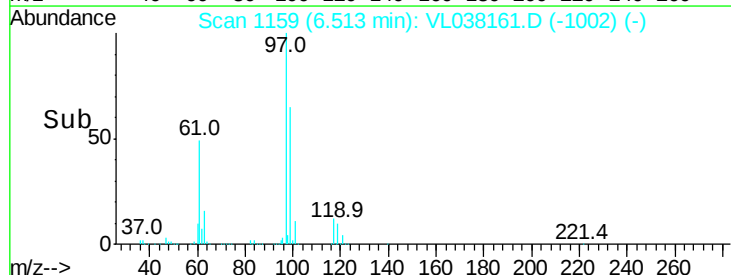
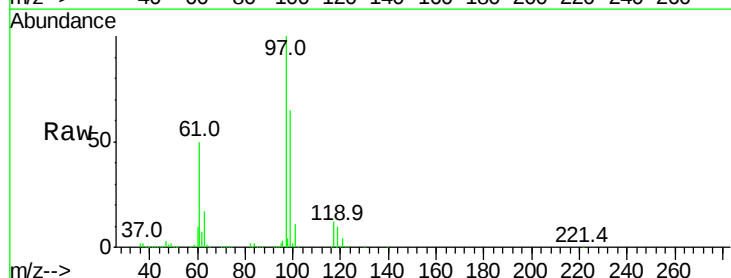
Tgt Ion: 97 Resp: 1855062

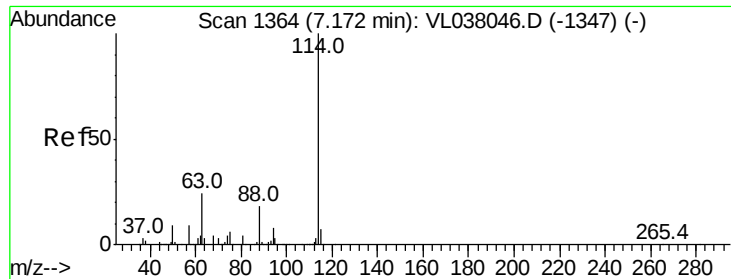
Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.4

61 51.2 37.7 56.5



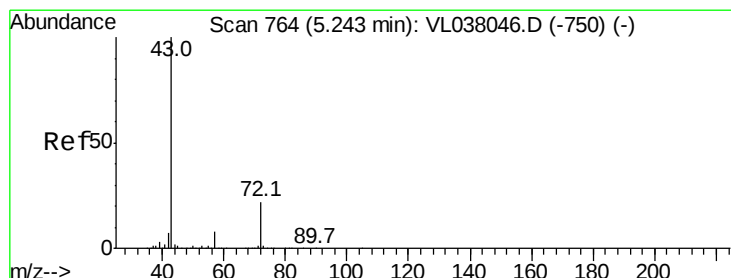
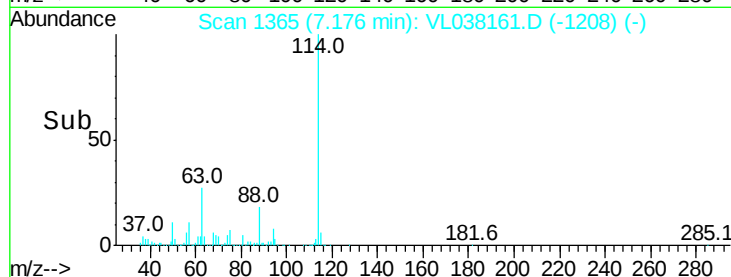
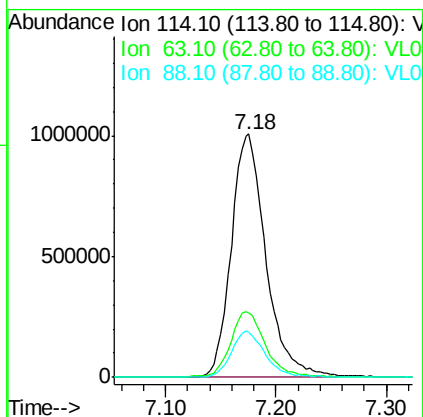
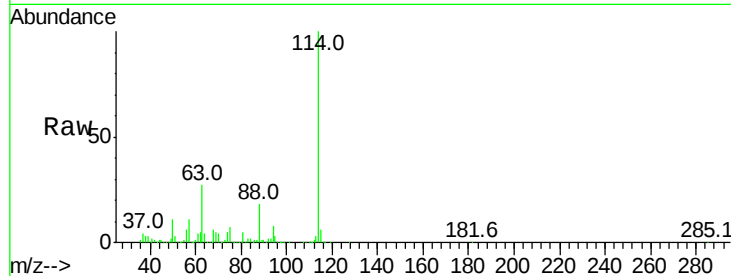


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion:1
 Ion Rati
 114 100
 63 27.
 88 18.

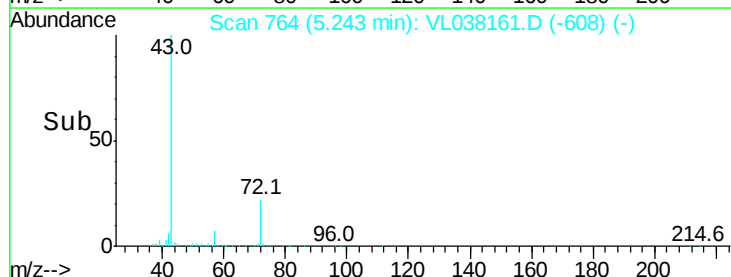
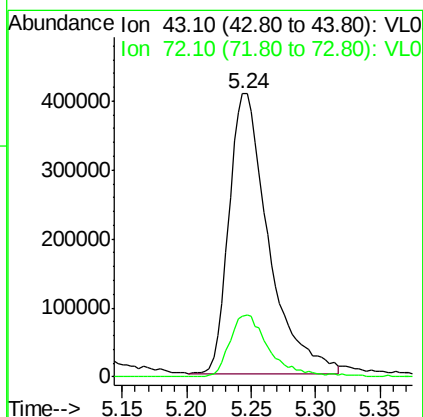
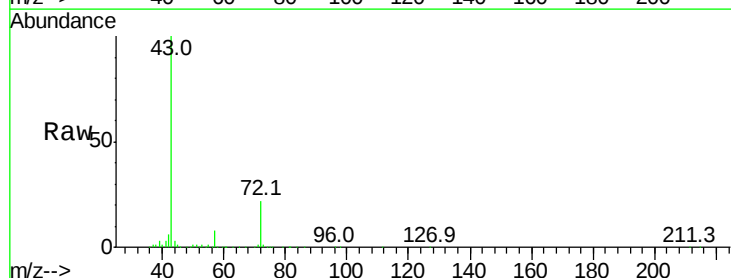
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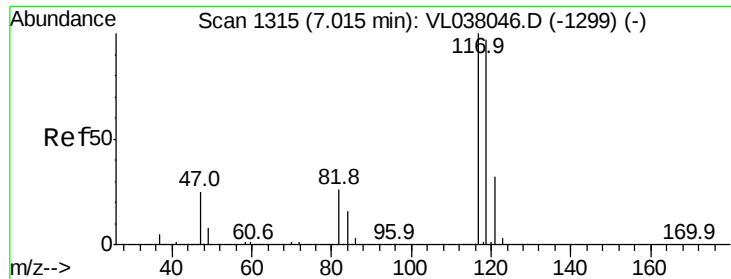
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#34
 2-Butanone
 Concen: 9.793 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 43 Resp: 864257
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.8 28.2



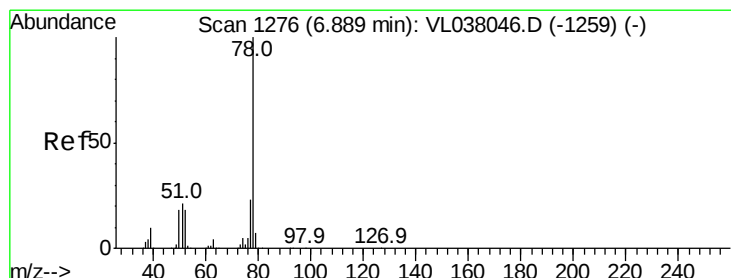
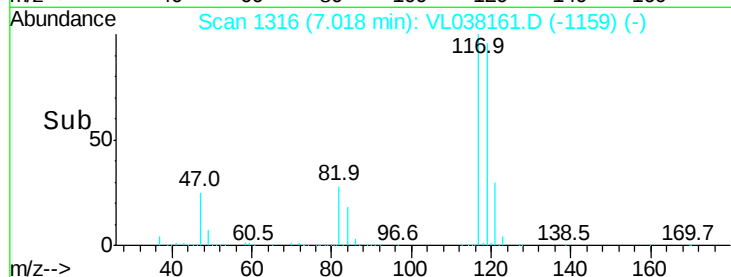
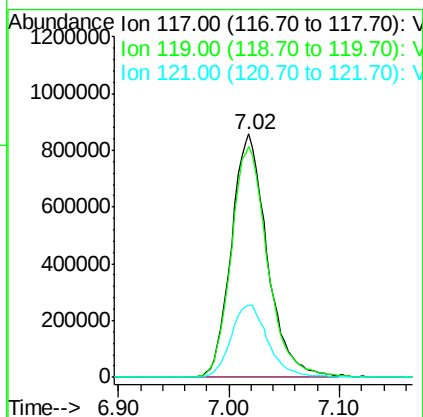
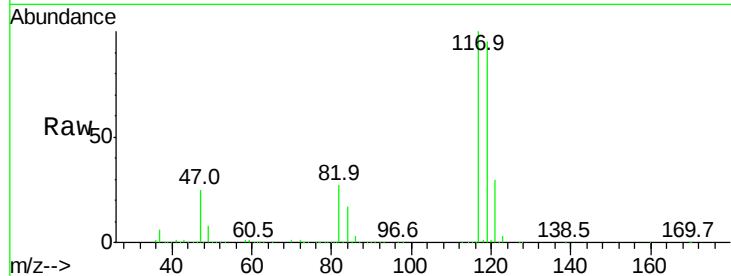


#35
Carbon Tetrachloride
Concen: 12.554 ppbv
RT: 7.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27
VSTDCCC010EC

Tot Ion:1
Ion Rati
117 100
119 94.
121 29.

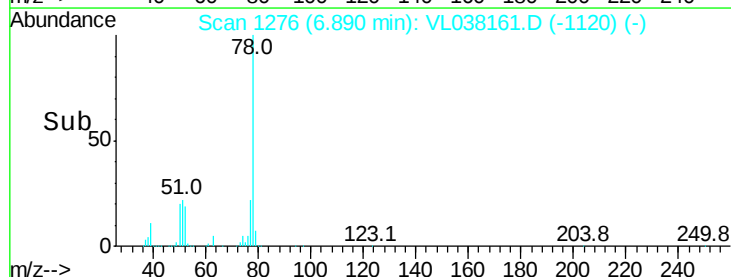
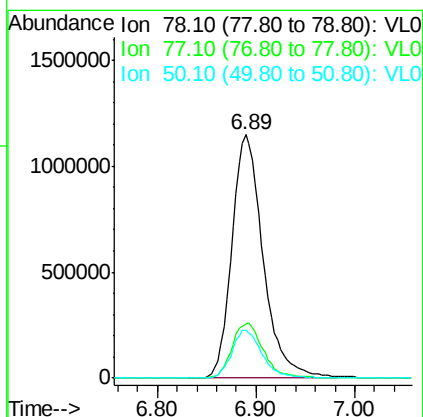
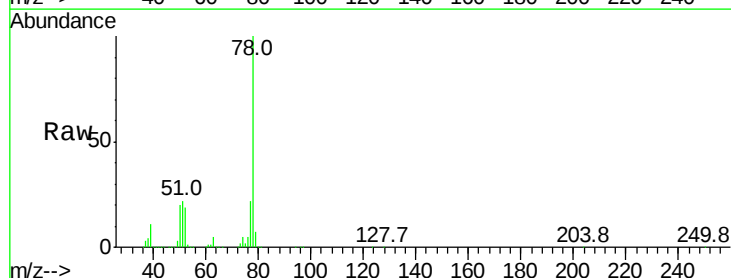
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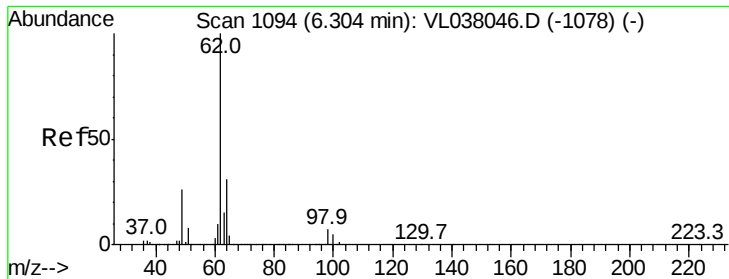
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#36
Benzene
Concen: 11.584 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 78 Resp: 2528957
Ion Ratio Lower Upper
78 100
77 22.3 18.2 27.4
50 19.7 14.7 22.1



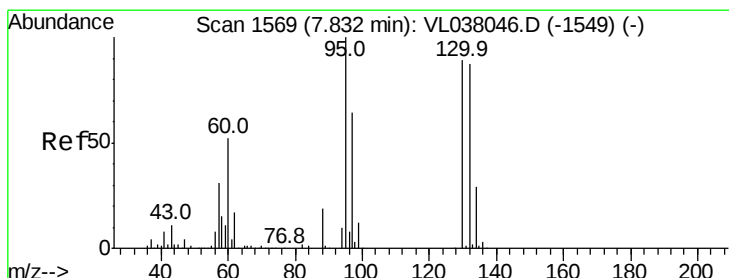
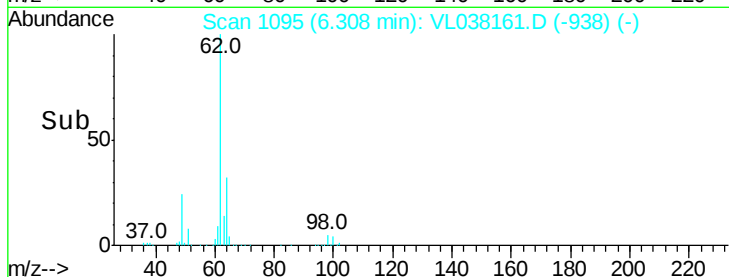
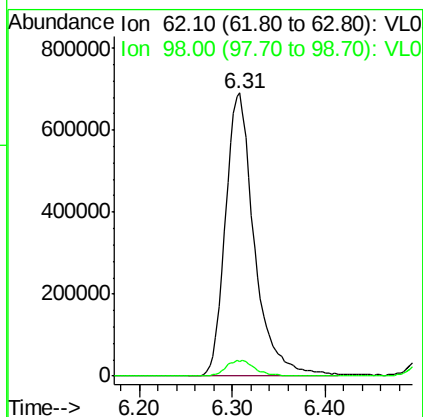
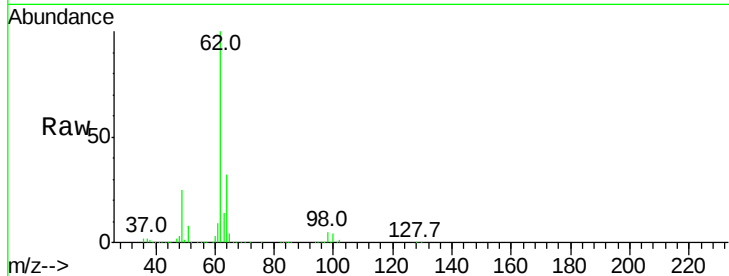


#37
 1,2-Dichloroethane
 Concen: 14.199 ppbv
 RT: 6.31
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion:
 Ion Ratio
 62 100
 98 5.

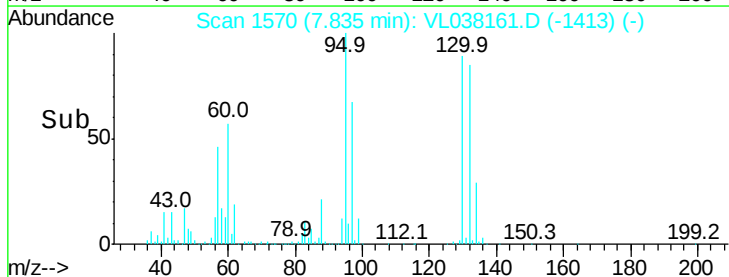
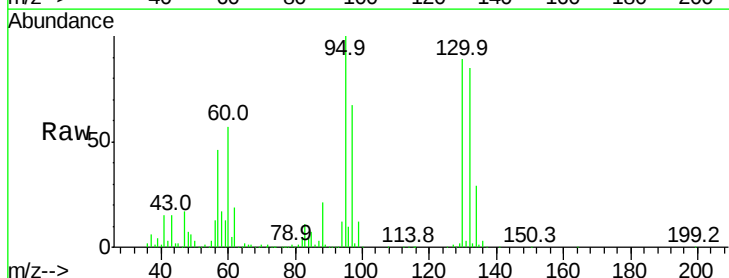
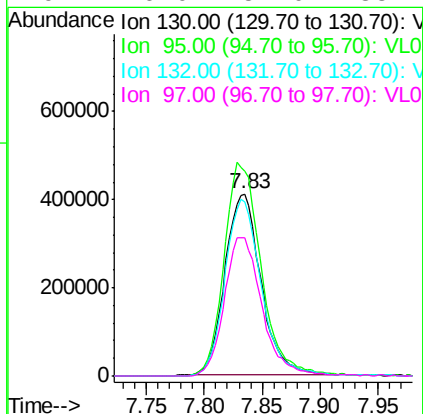
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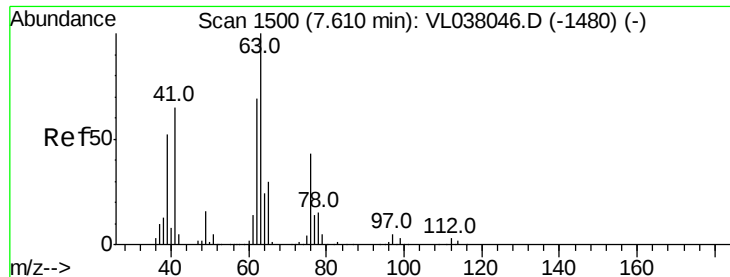
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#38
 Trichloroethene
 Concen: 10.741 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion:130 Resp: 884499
 Ion Ratio Lower Upper
 130 100
 95 113.1 89.4 134.2
 132 95.8 78.2 117.2
 97 76.0 57.0 85.4



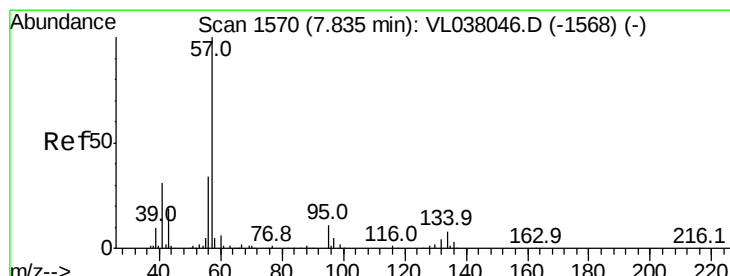
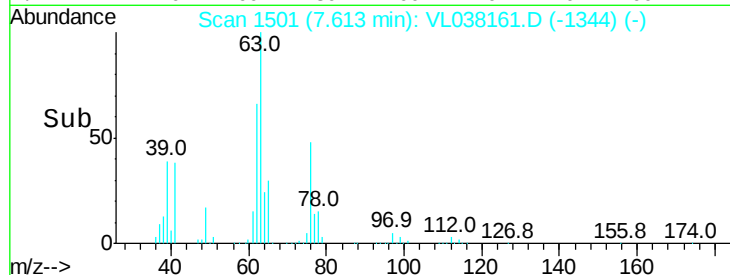
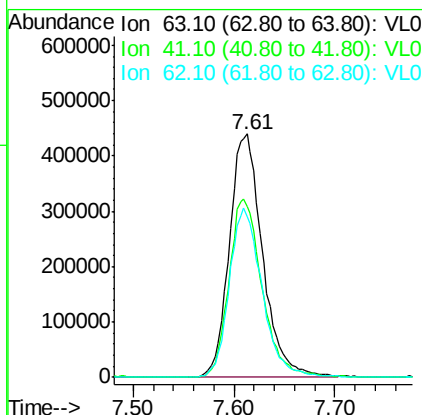
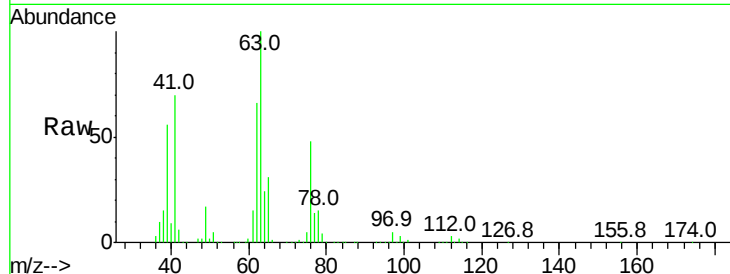


#39
 1,2-Dichloropropane
 Concen: 12.048 ppbv
 RT: 7.61
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion:
 Ion Ratio
 63 100
 41 70.
 62 65.

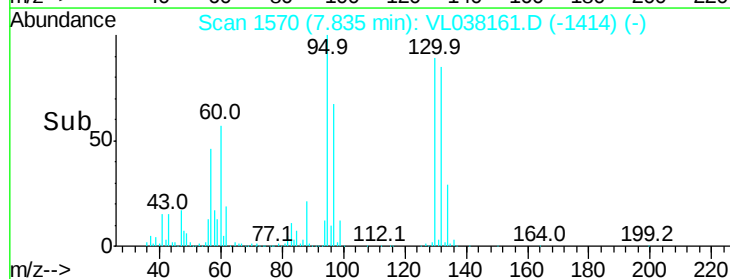
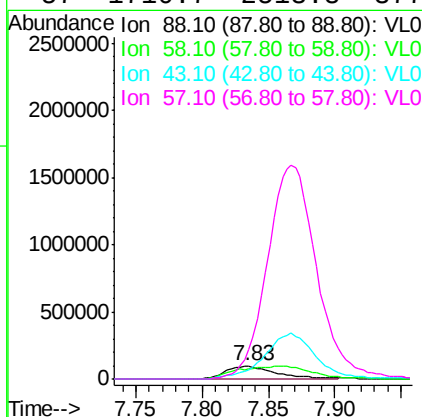
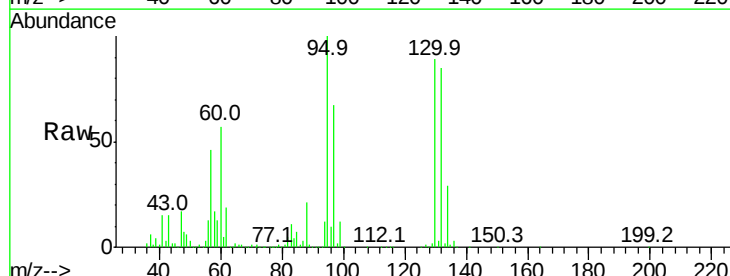
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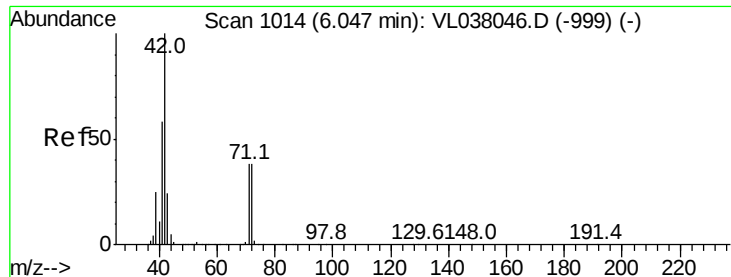
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#40
 1,4-Dioxane
 Concen: 11.141 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 88 Resp: 243076
 Ion Ratio Lower Upper
 88 100
 58 157.5 229.2 343.8#
 43 384.5 553.3 829.9#
 57 1710.7 2513.8 3770.8#



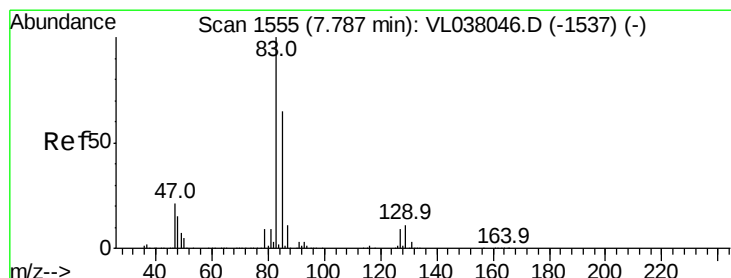
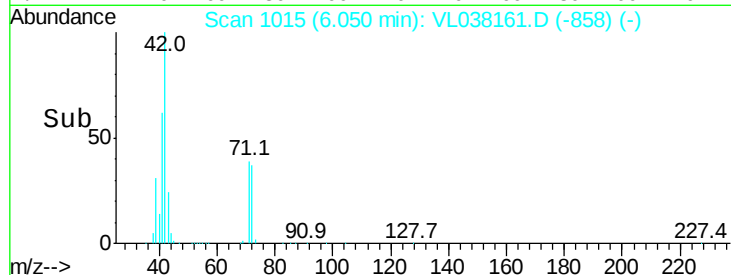
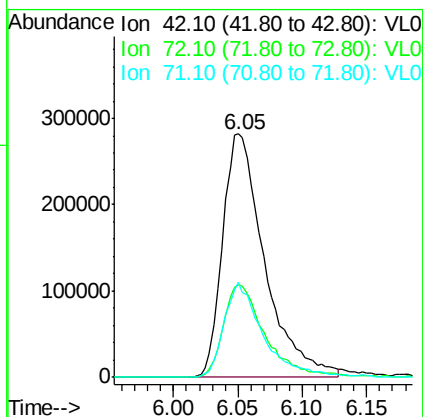
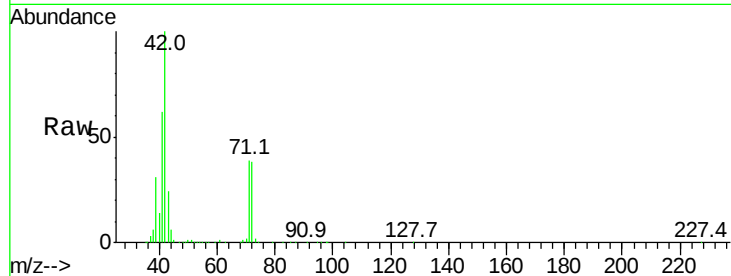


#41
Tetrahydrofuran
Concen: 11.677 ppbv
RT: 6.05
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
42 100
72 38.
71 36.

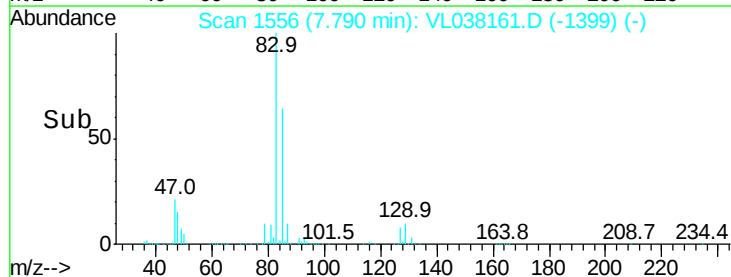
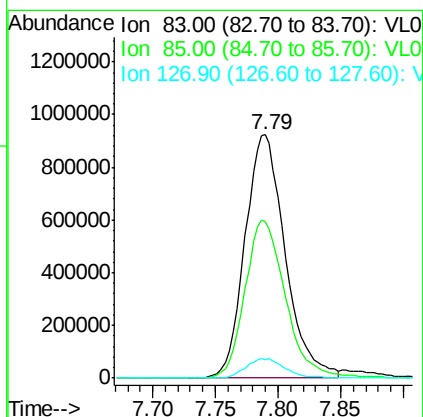
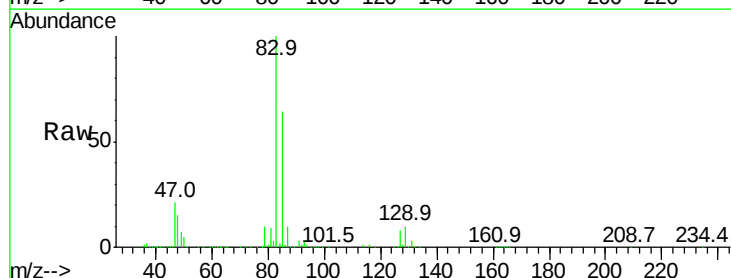
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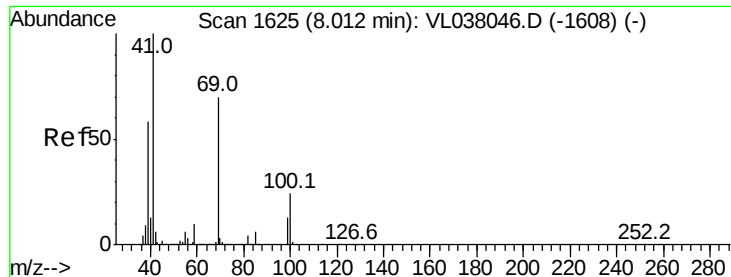
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#42
Bromodichloromethane
Concen: 12.864 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 83 Resp: 2062113
Ion Ratio Lower Upper
83 100
85 64.5 51.9 77.9
127 7.8 6.8 10.2



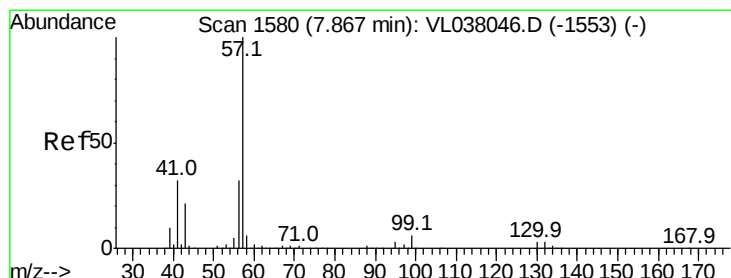
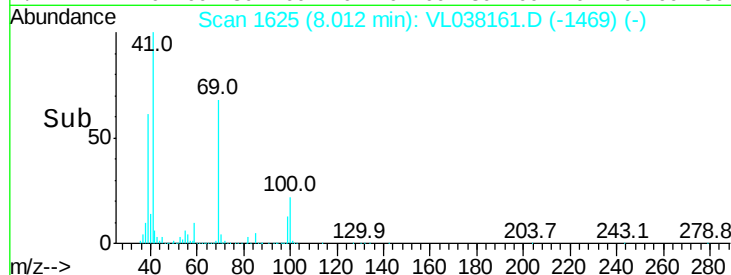
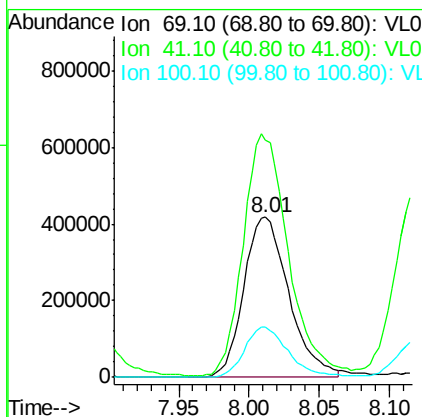
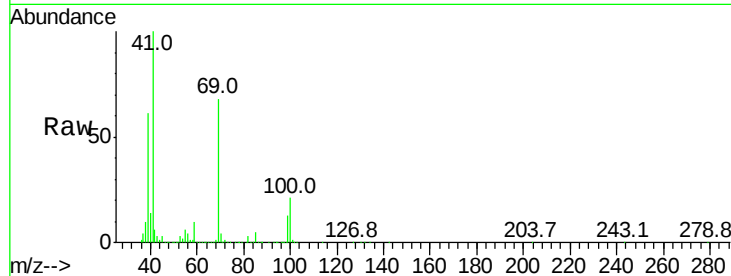


#43
Methvl Methacrilate
Concen: 12.518 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
69 100
41 153.
100 30.

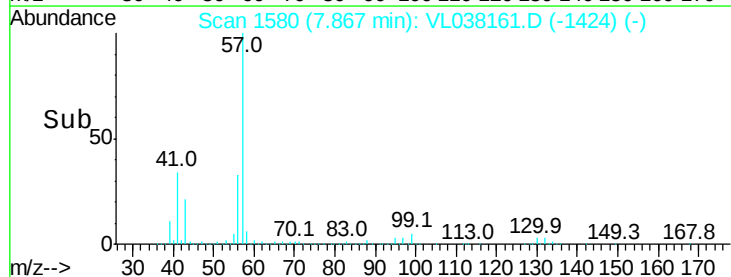
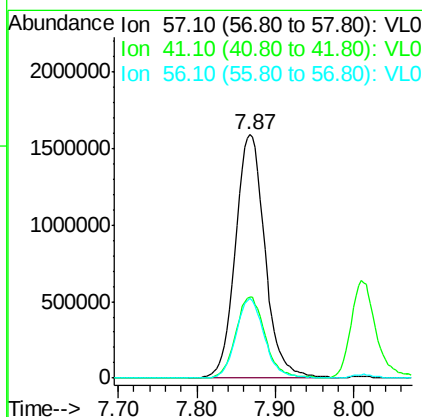
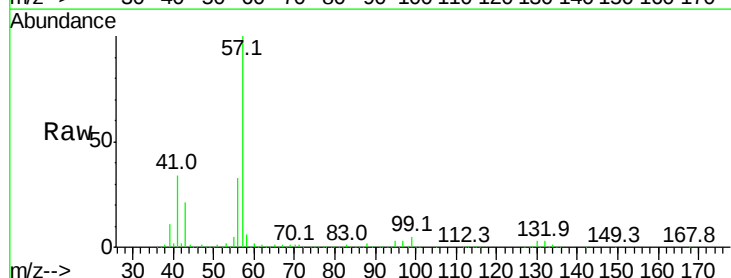
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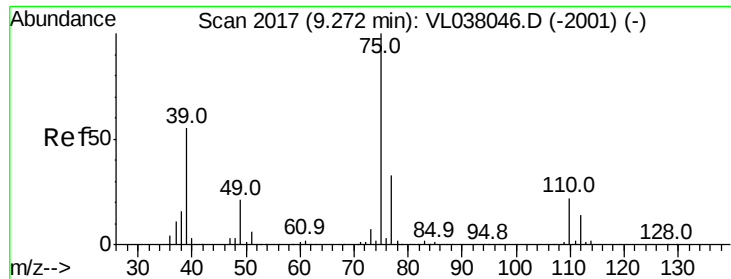
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#44
2,2,4-Trimethylpentane
Concen: 11.387 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 57 Resp: 4159043
Ion Ratio Lower Upper
57 100
41 33.3 25.8 38.6
56 31.4 25.6 38.4



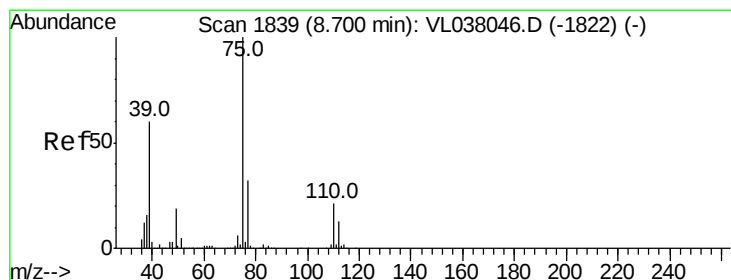
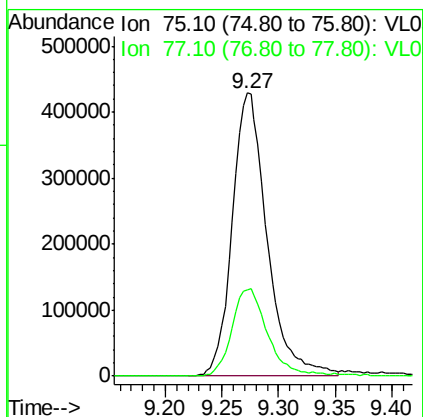
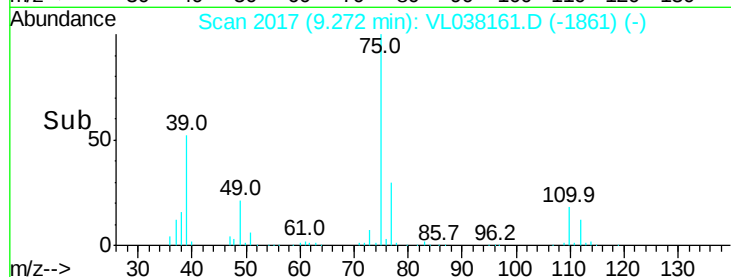
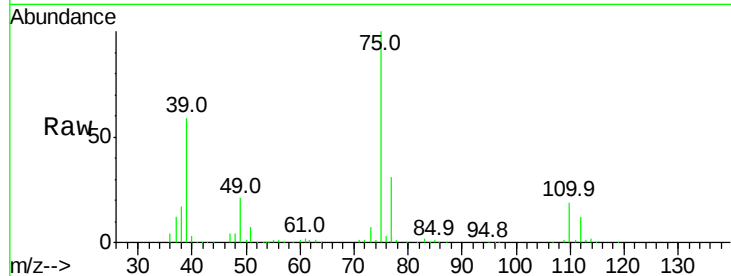


#45
 t-1,3-Dichloropropene
 Concen: 15.378 ppbv
 RT: 9.27
 Instrument : MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion:
 Ion Ratio
 75 100
 77 30.

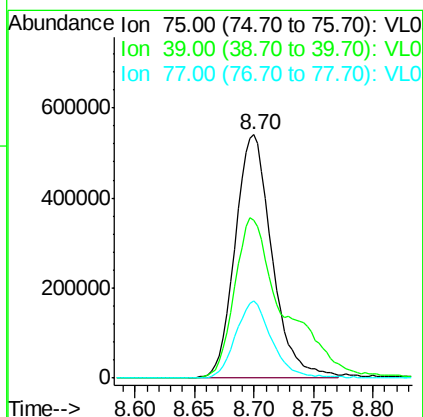
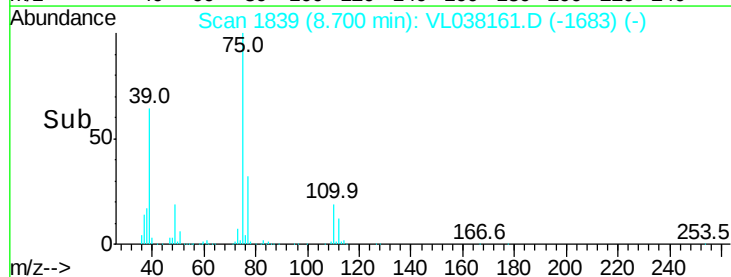
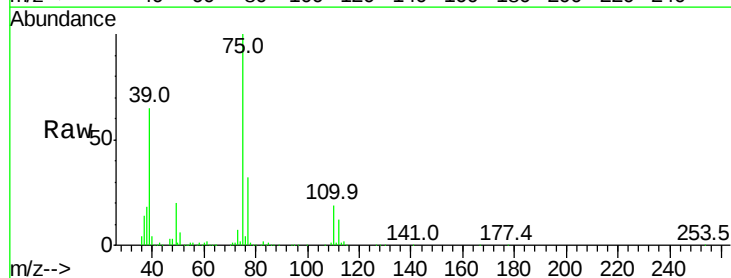
Manual Integrations
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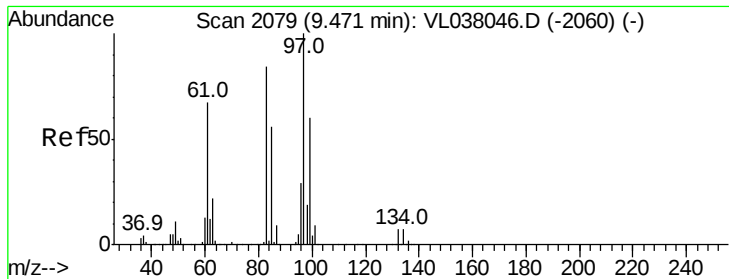
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#46
 cis-1,3-Dichloropropene
 Concen: 14.337 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 75 Resp: 1161798
 Ion Ratio Lower Upper
 75 100
 39 64.9 47.8 71.8
 77 31.9 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 11.435 ppbv

RT: 9.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDCCC010EC

Acq: 8 Dec 2021 9:27

Tot Ion:

Ion Ratio

97 100

83 89.

85 56.

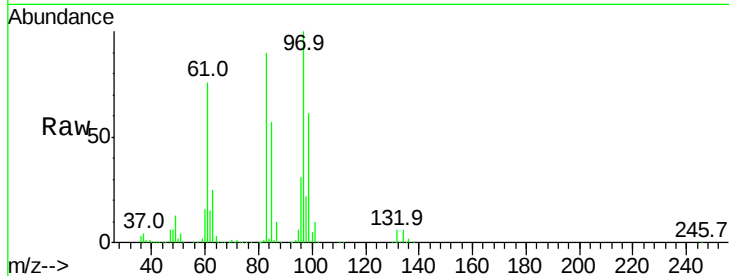
99 60.9 48.0 72.0

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021

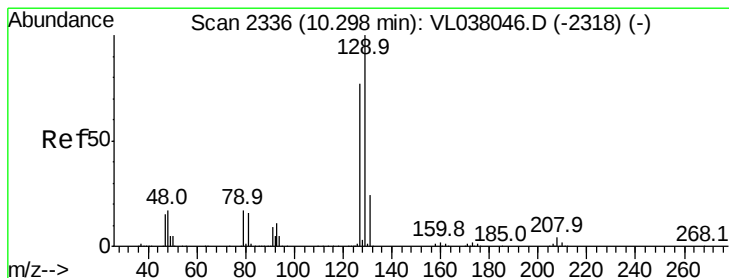
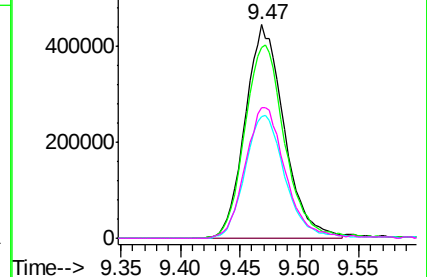
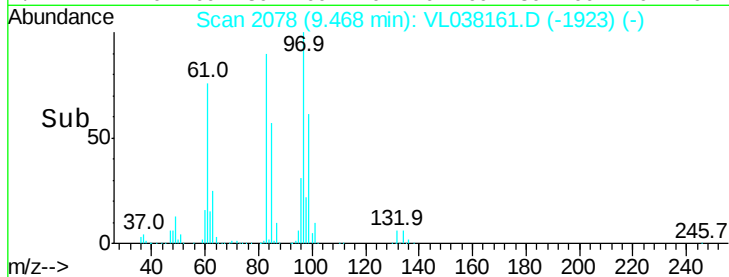


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 12.490 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL038161.D

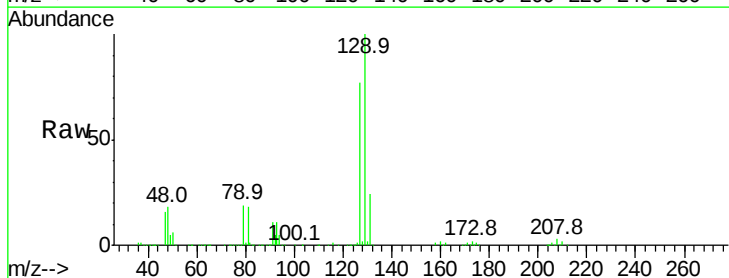
Acq: 8 Dec 2021 9:27

Tgt Ion:129 Resp: 1668271

Ion Ratio Lower Upper

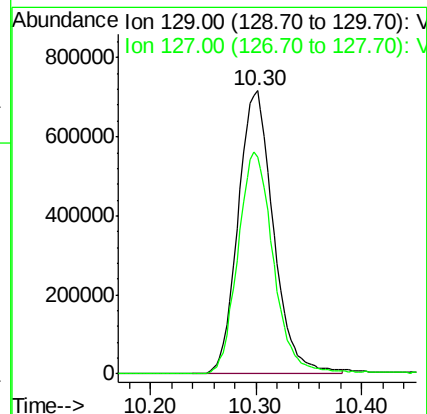
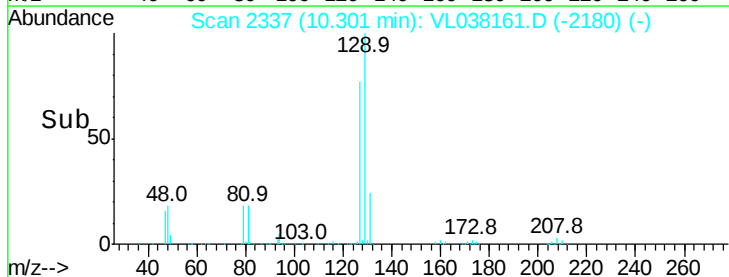
129 100

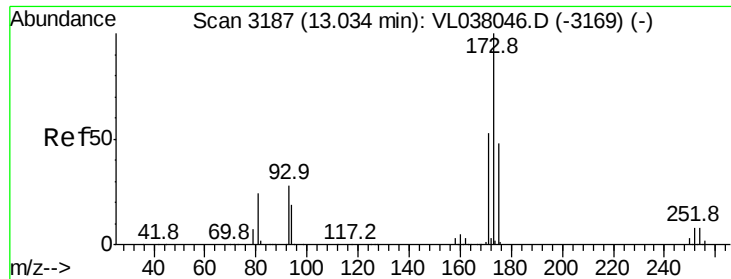
127 80.0 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.821 ppbv

RT: 13.03

Delta R.T.

Lab File:

Acq: 8 Dec 2021

Instrument:

MSVOA_L

ClientSampleId:

VSTDCCC010EC

Tot Ion:1

Ion Ratio

173 100

175 51.

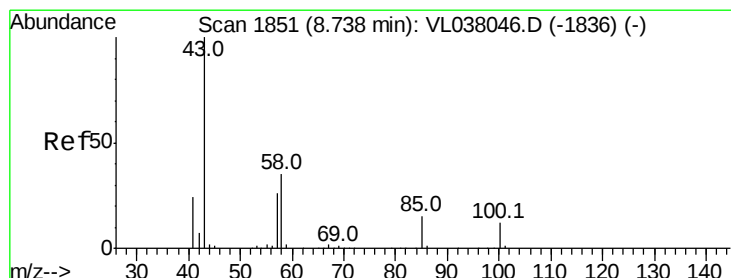
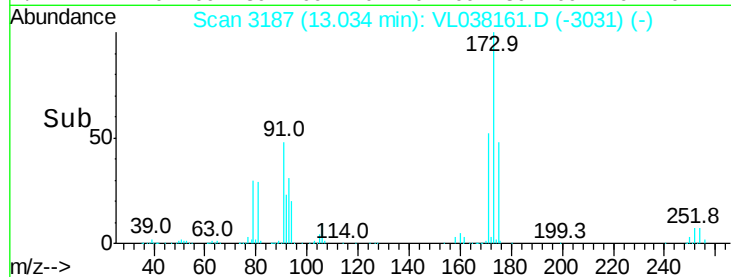
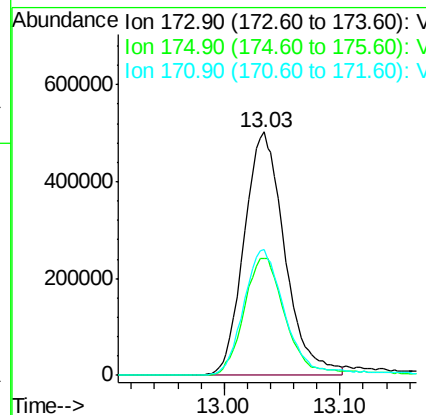
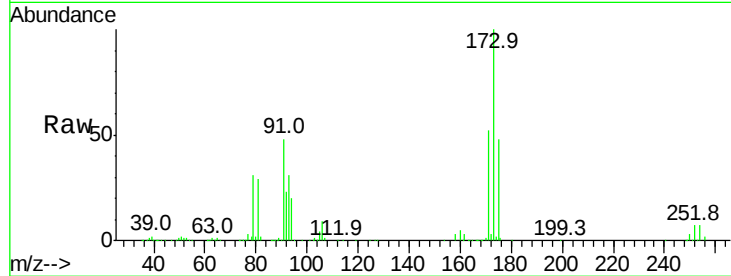
171 55.

Manual Integrations

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#50

4-Methyl-2-Pentanone

Concen: 12.753 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VL038161.D

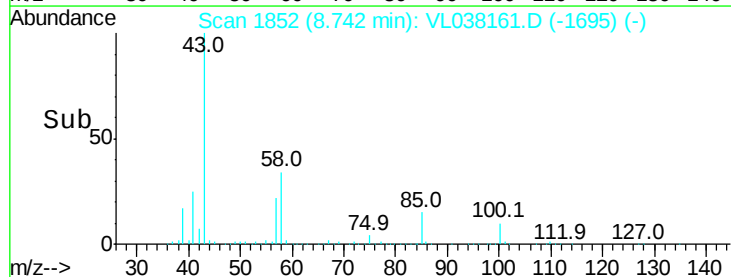
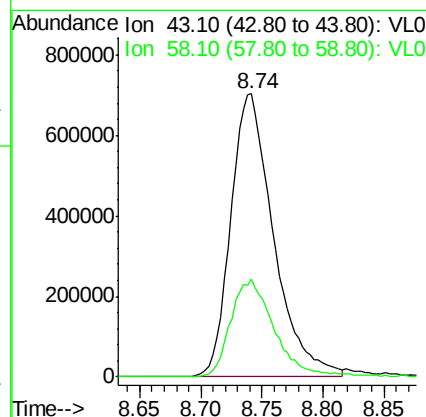
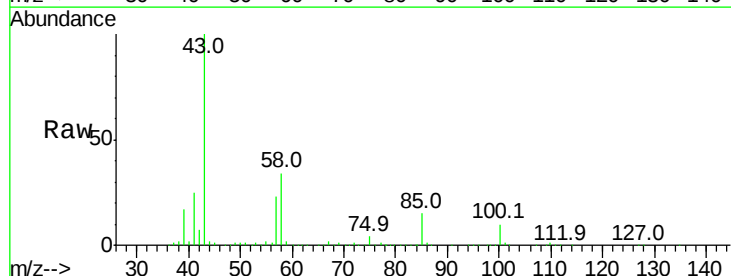
Acq: 8 Dec 2021 9:27

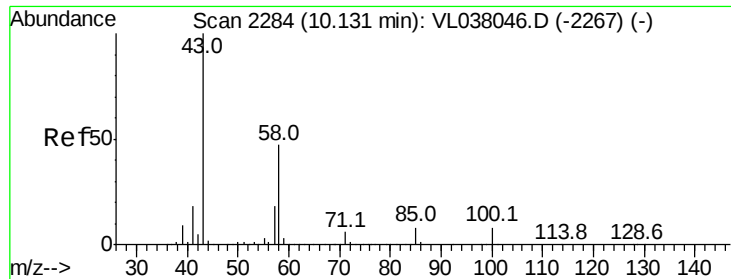
Tgt Ion: 43 Resp: 1709138

Ion Ratio Lower Upper

43 100

58 35.5 29.4 44.2



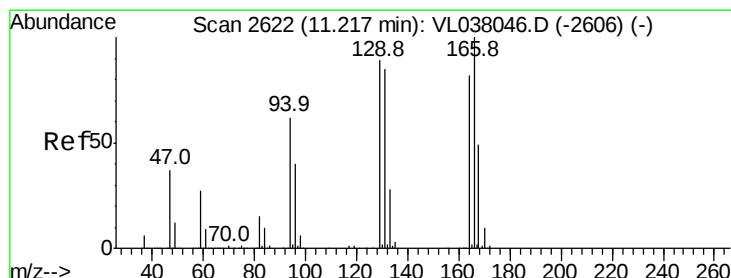
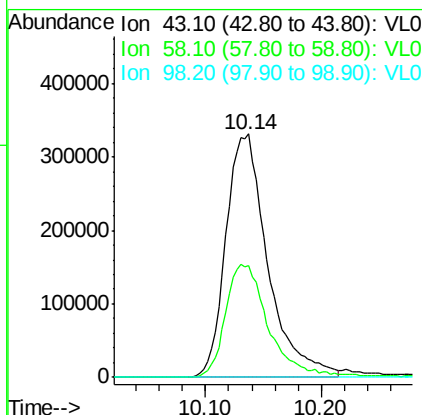
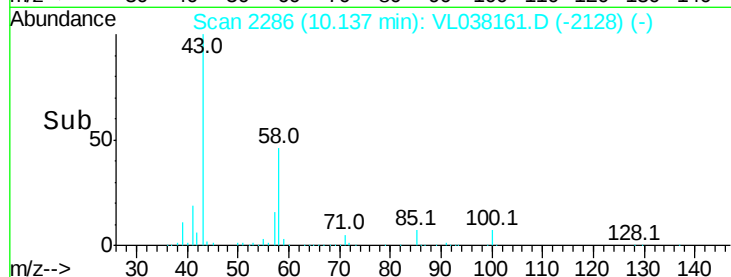
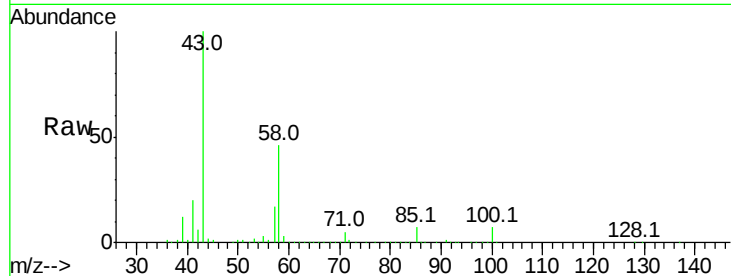


#51
2-Hexanone
Concen: 13.097 ppbv
RT: 10.14 min
Delta R.T.: 0.00 min
Lab File: VSTDCCC010EC
Acq: 8 Dec 2021 9:27

Tot Ion:
Ion Ratio
43 100
58 48.1
98 0.1

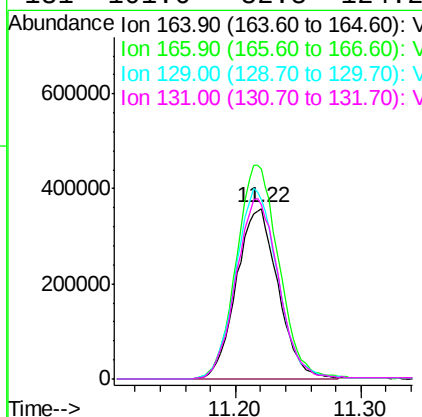
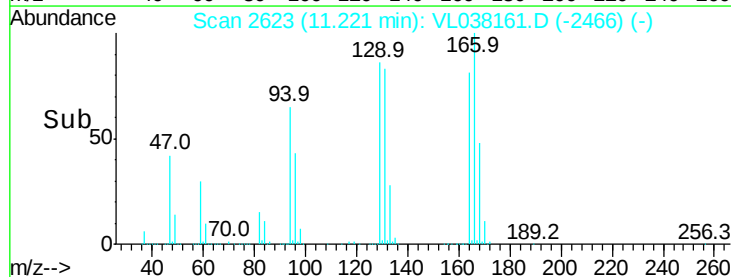
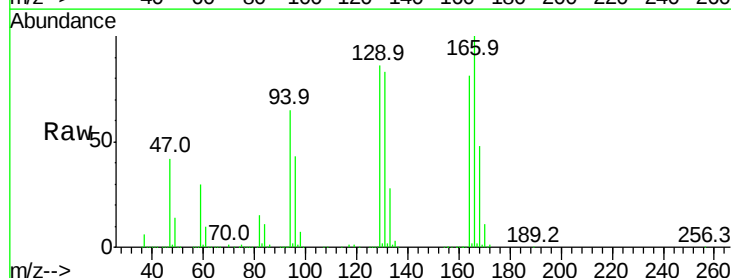
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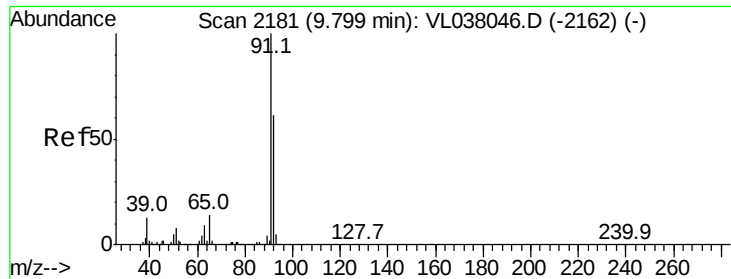
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#52
Tetrachloroethene
Concen: 10.251 ppbv
RT: 11.22 min Scan# 2623
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion:164 Resp: 828049
Ion Ratio Lower Upper
164 100
166 122.9 97.2 145.8
129 105.2 86.9 130.3
131 101.6 82.8 124.2





#53

Toluene

Concen: 11.376 ppbv

RT: 9.80 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

91 100

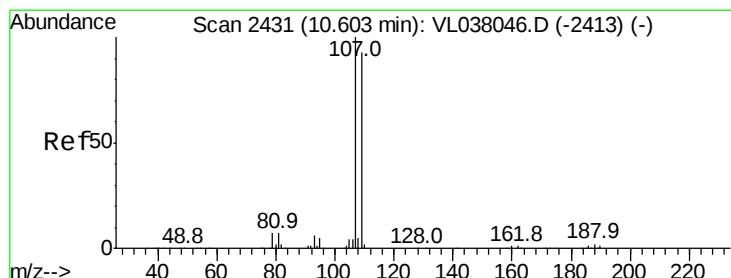
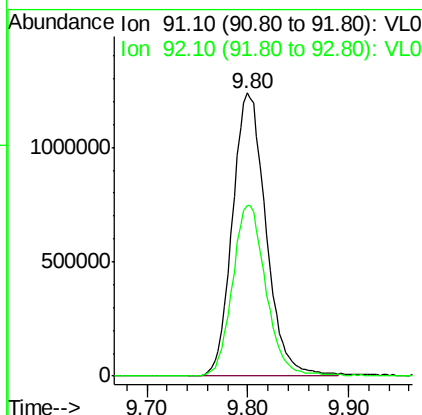
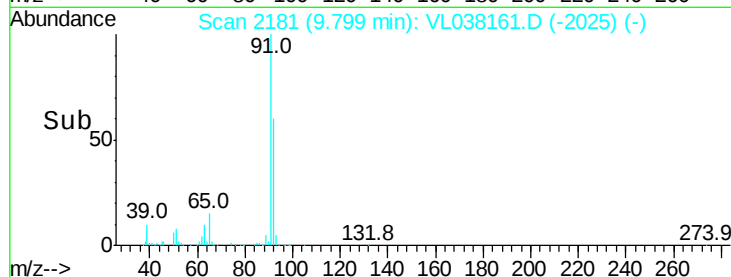
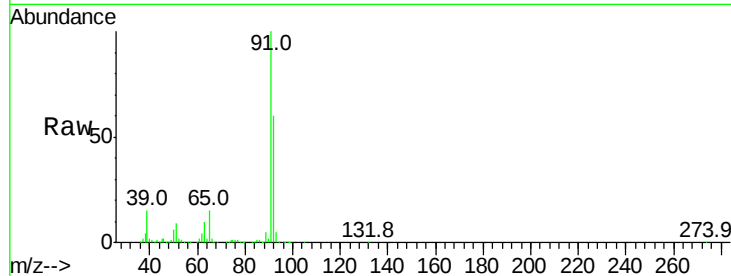
92 60.

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#54

1,2-Dibromoethane

Concen: 11.999 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038161.D

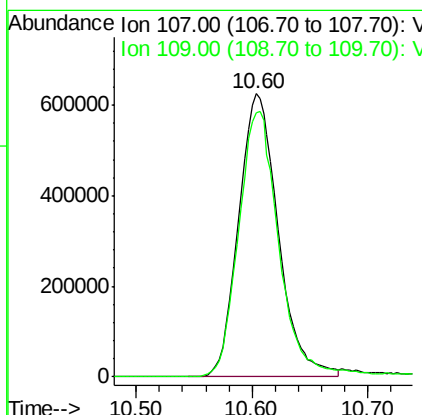
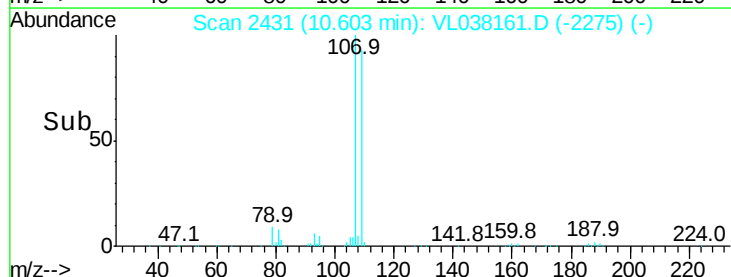
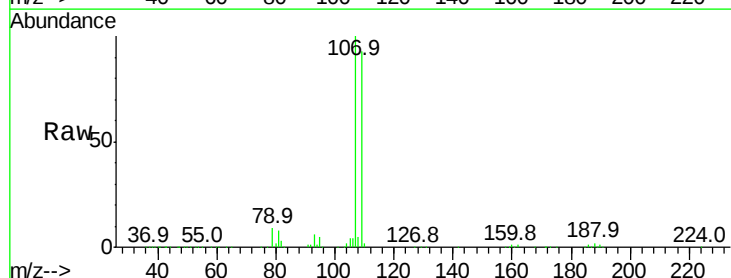
Acq: 8 Dec 2021 9:27

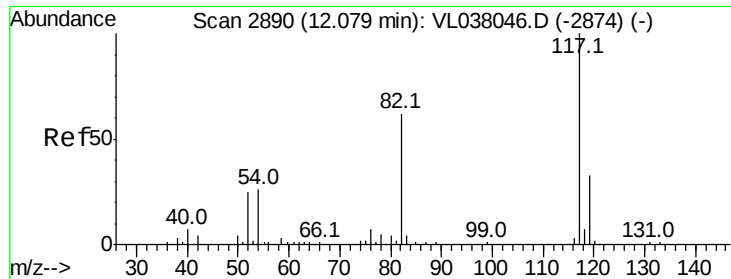
Tgt Ion:107 Resp: 1486592

Ion Ratio Lower Upper

107 100

109 93.3 74.6 111.8



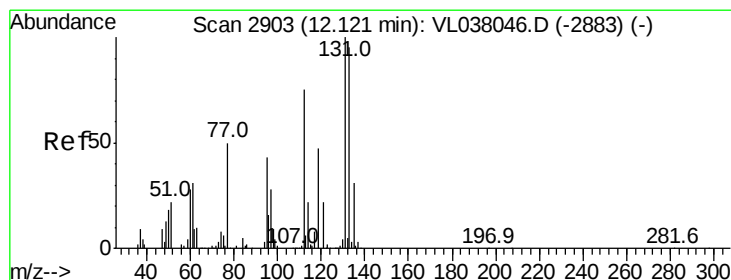
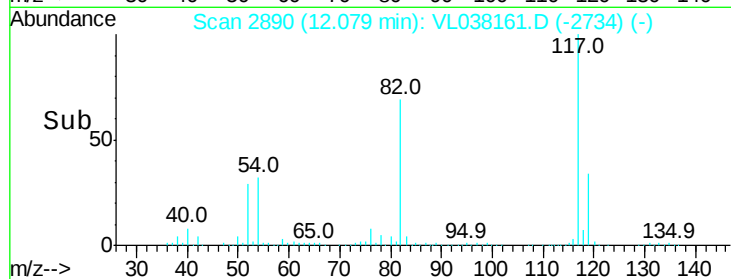
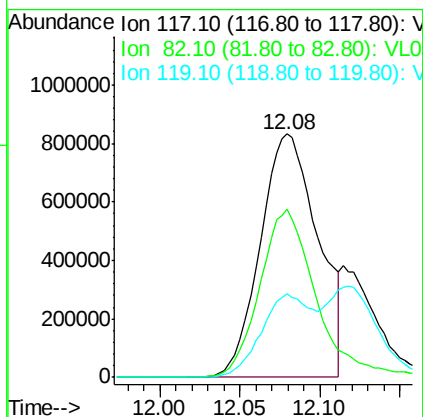
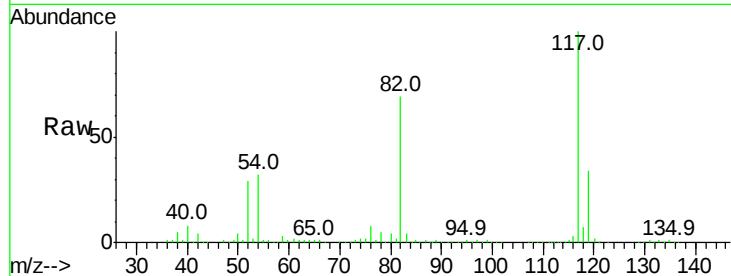


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 8 Dec 2021 9:27

Tot Ion:1
Ion Rati
117 100
82 69.
119 28.

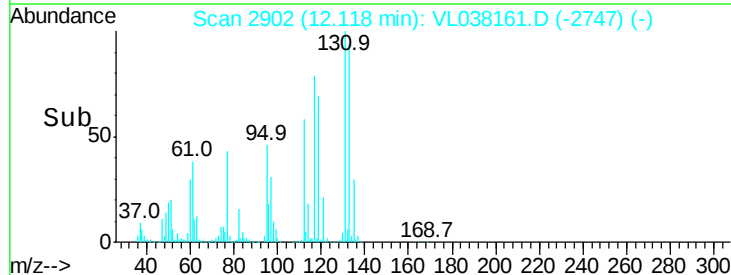
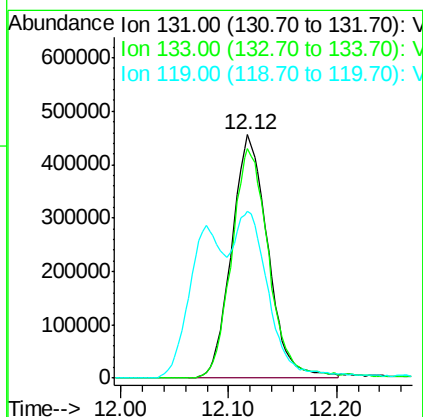
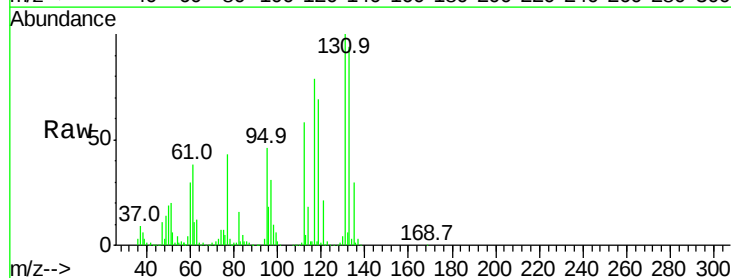
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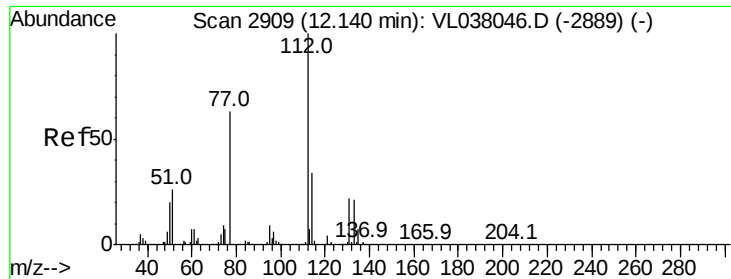
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 11.254 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion:131 Resp: 1067559
Ion Ratio Lower Upper
131 100
133 99.1 78.8 118.2
119 66.2 56.3 84.5



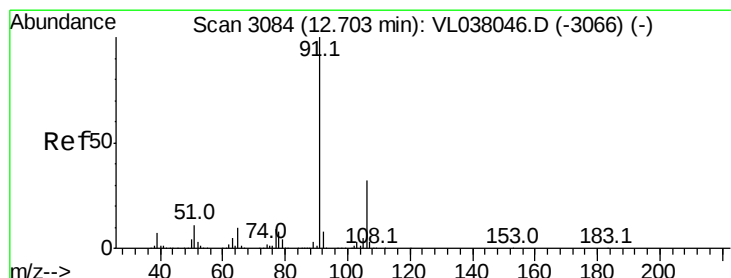
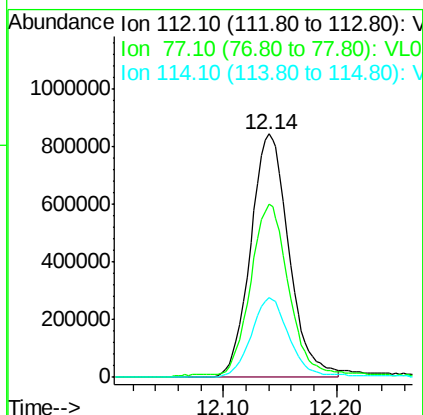
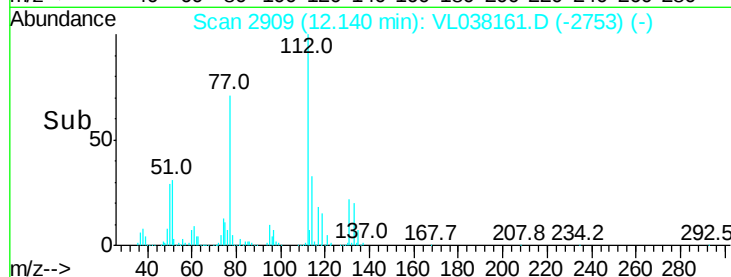
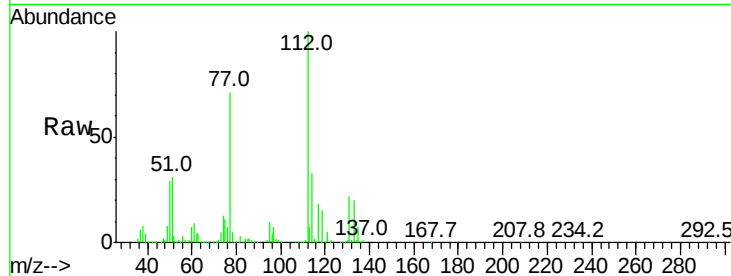


#57
Chlorobenzene
Concen: 10.607 ppbv
RT: 12.14 min
Instrument: MSVOA_L
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 8 Dec 2021 9:27

Tot Ion: 1
Ion Ratio
112 100
77 70.0
114 32.0

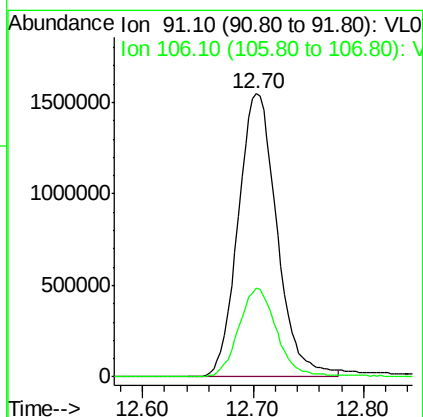
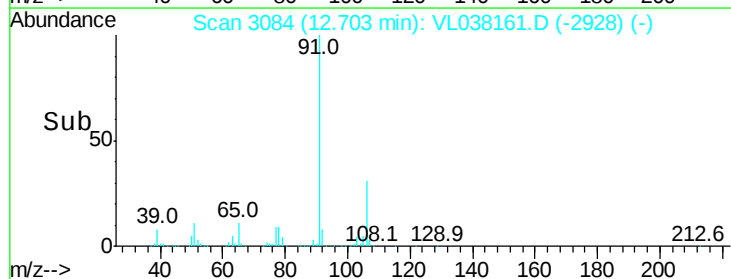
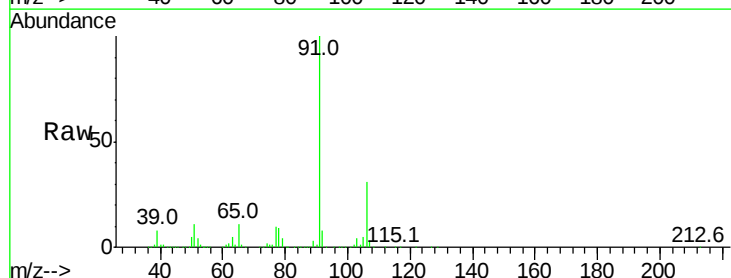
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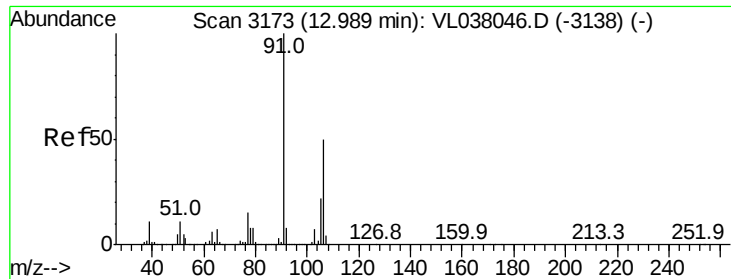
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#58
Ethyl Benzene
Concen: 10.935 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 91 Resp: 3776741
Ion Ratio Lower Upper
91 100
106 31.3 25.8 38.6



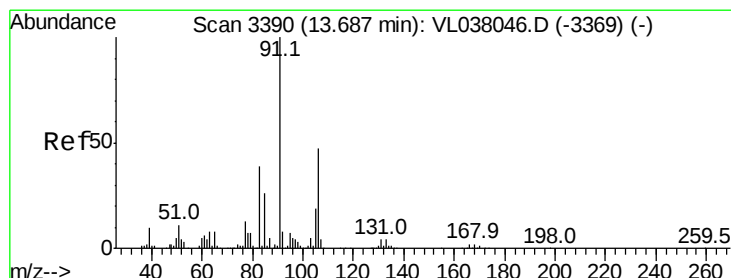
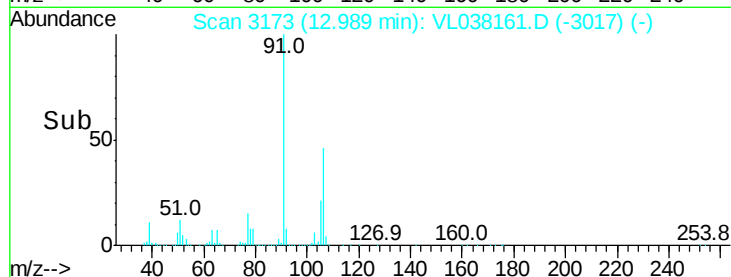
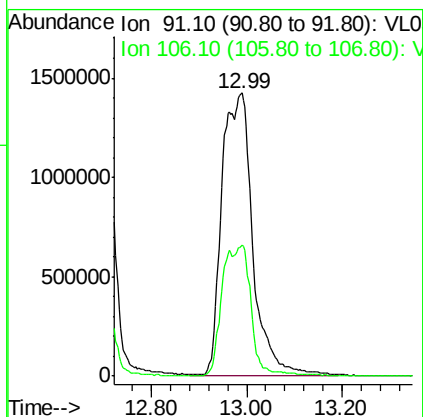
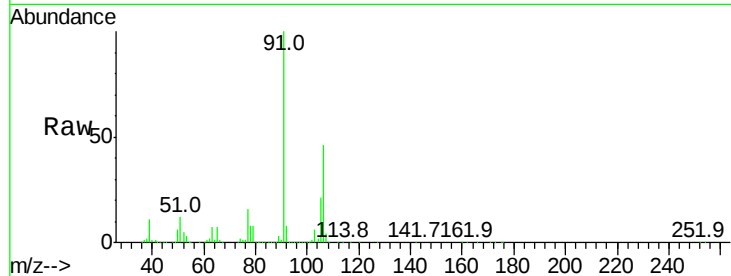


#59
m/p-Xylene
Concen: 22.169 ppbv m
RT: 12.99
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27
VSTDCCC010EC

Tot Ion:
Ion Ratio
91 100
106 43.

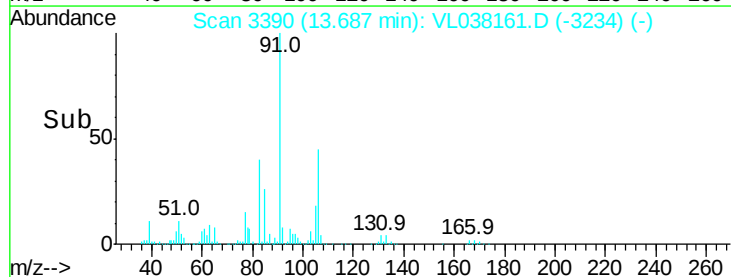
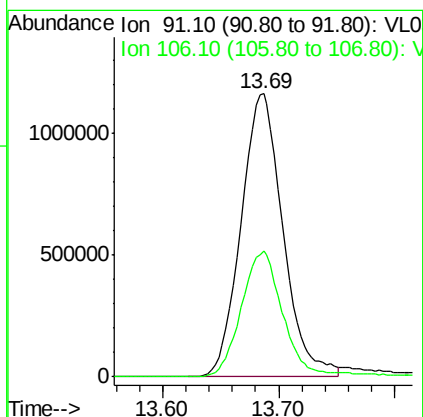
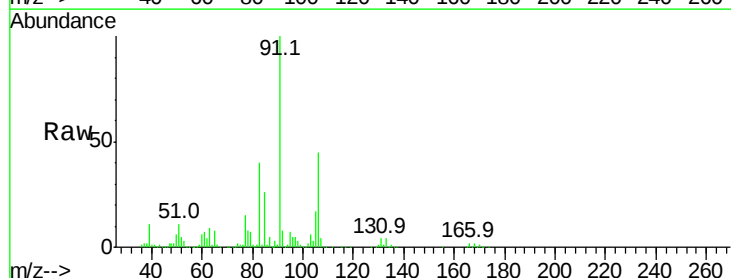
Manual Integrations
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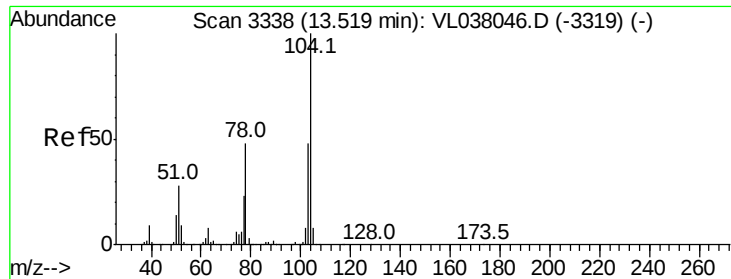
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#60
o-Xylene
Concen: 10.824 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 91 Resp: 2919242
Ion Ratio Lower Upper
91 100
106 45.7 24.2 72.6





#61

Stvrene

Concen: 10.733 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:1

Ion Rati

104 100

78 56.

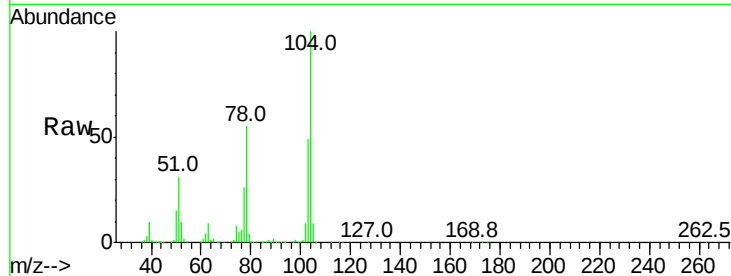
103 49.

Manual Integrations

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Reviewed By :Amit Patel 12/08/2021

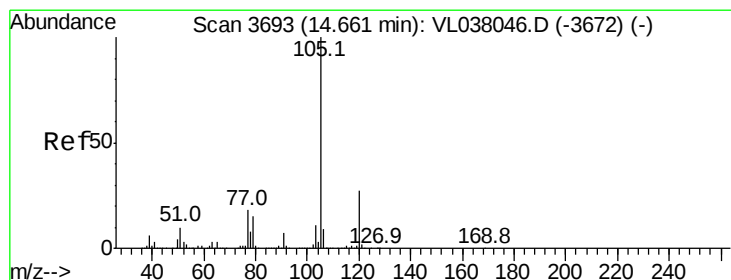
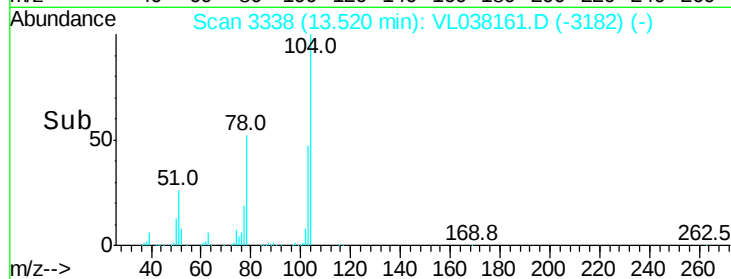
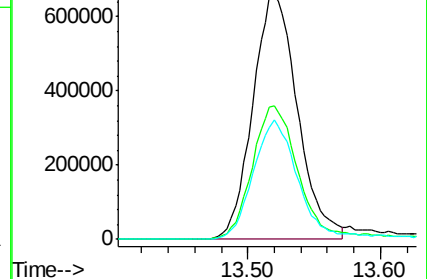
Supervised By :Semsettin Yesilyurt 12/08/2021



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.401 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.00 min

Lab File: VL038161.D

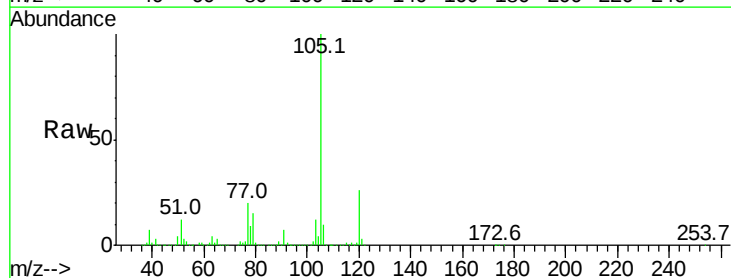
Acq: 8 Dec 2021 9:27

Tgt Ion:105 Resp: 3981752

Ion Ratio Lower Upper

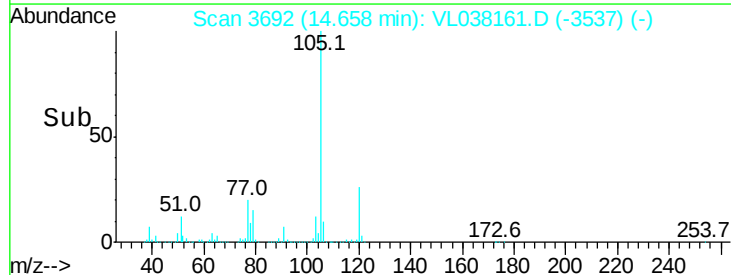
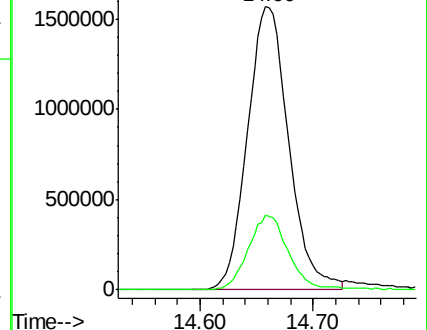
105 100

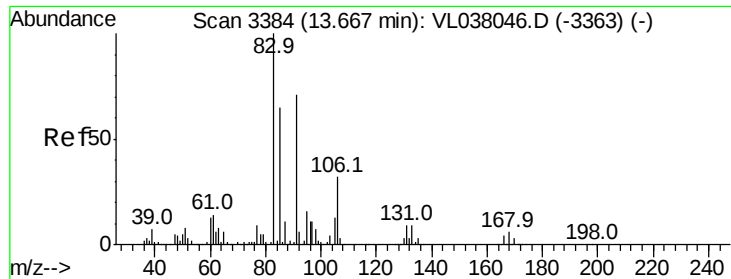
120 26.2 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



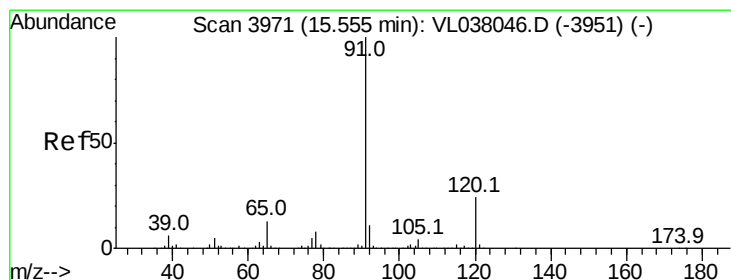
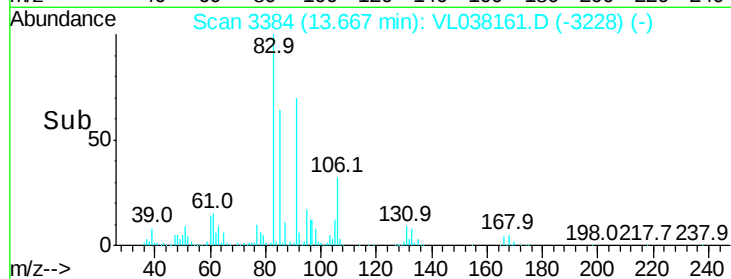
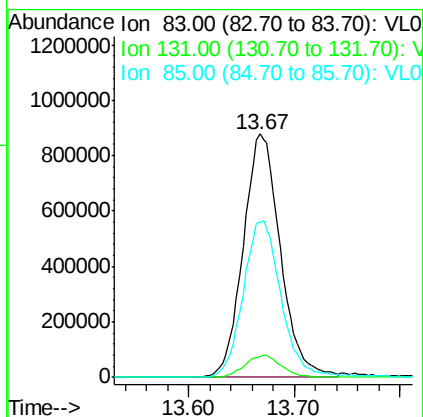
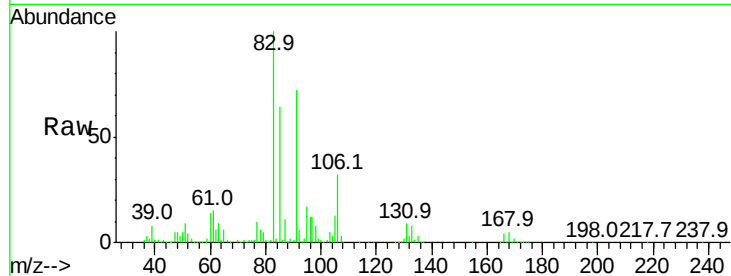


#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.717 ppbv
 RT: 13.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion:
 Ion Ratio
 83 100
 131 9.
 85 66.

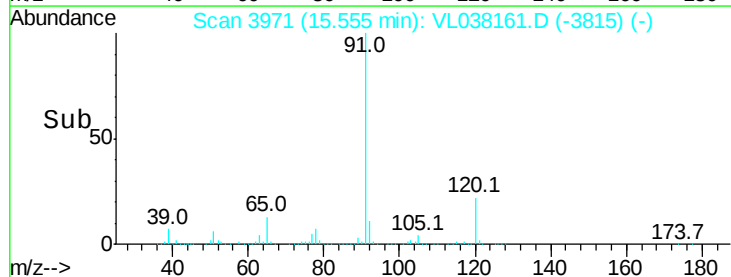
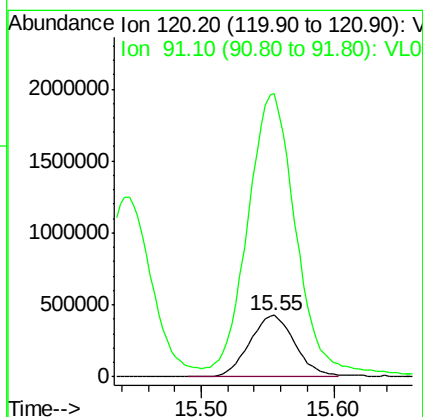
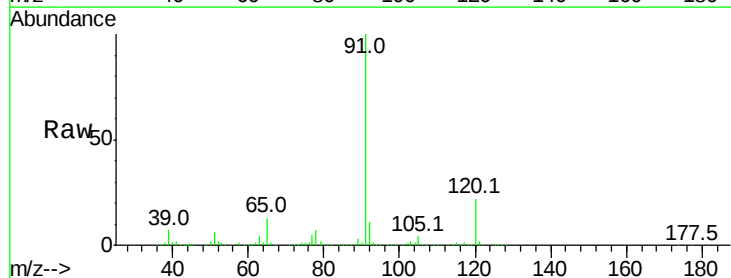
Manual Integrations
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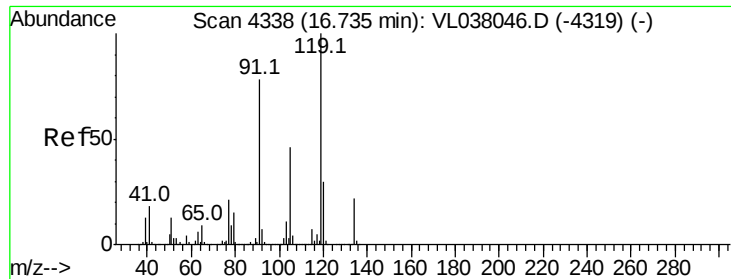
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#64
 n-propylbenzene
 Concen: 10.460 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion:120 Resp: 1020123
 Ion Ratio Lower Upper
 120 100
 91 496.8 371.7 557.5



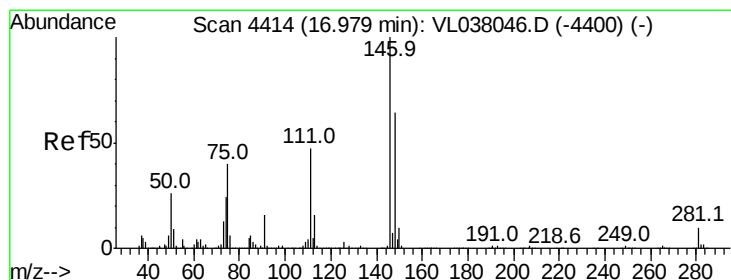
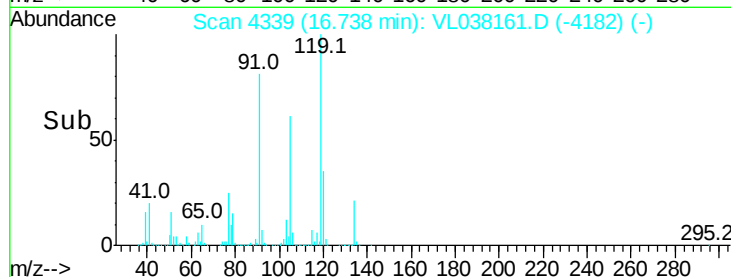
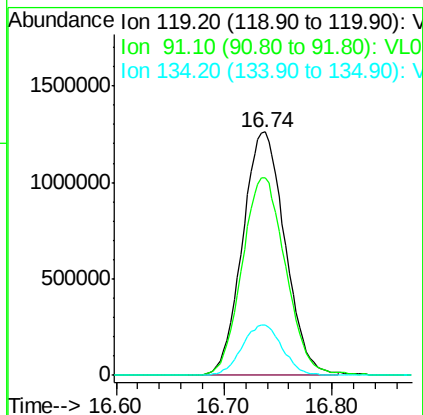
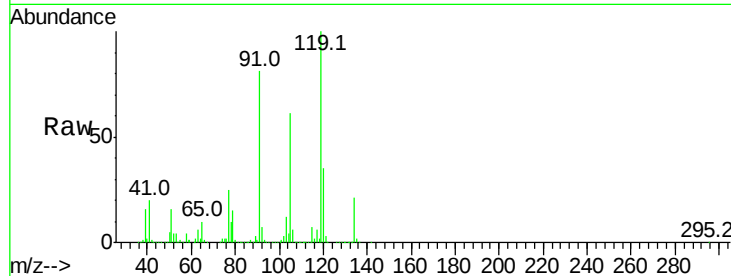


#65
tert-Butylbenzene
Concen: 10.232 ppbv
RT: 16.74 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 8 Dec 2021 9:27

Tot Ion: 1
Ion Ratio
119 100
91 83.1
134 19.9

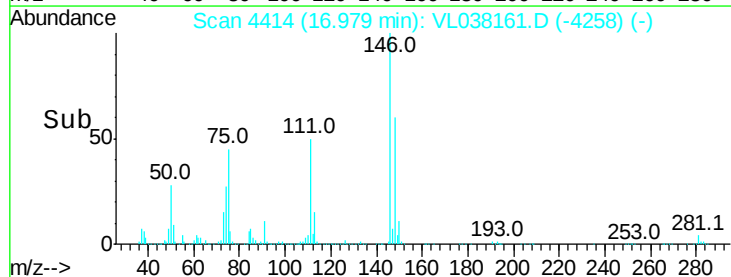
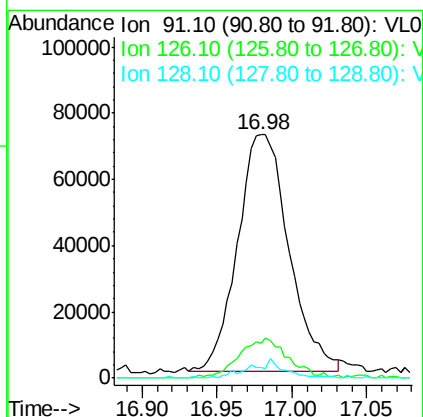
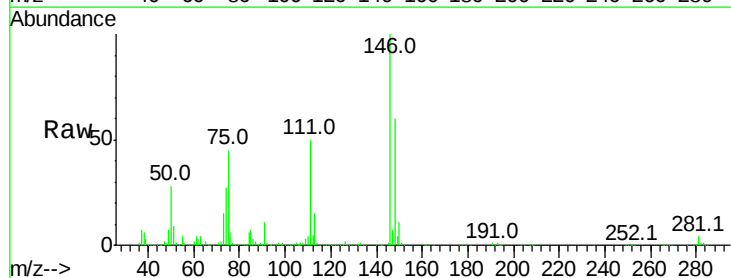
Manual Integrations
APPROVED

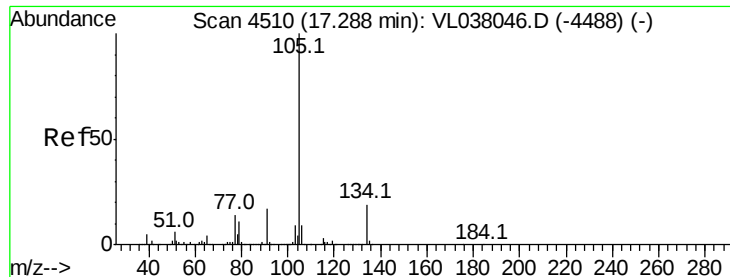
Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#66
Benzyl Chloride
Concen: 10.003 ppbv
RT: 16.98 min Scan# 4414
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 91 Resp: 170988
Ion Ratio Lower Upper
91 100
126 16.4 15.5 23.3
128 5.8 5.6 8.4





#67

sec-Butylbenzene

Concen: 10.380 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:1

Ion Ratio

105 100

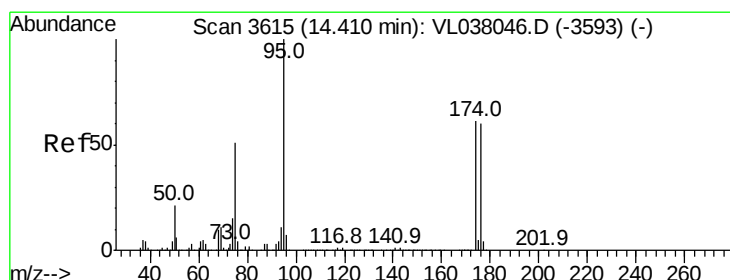
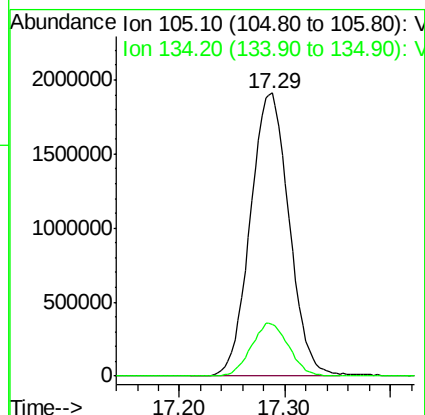
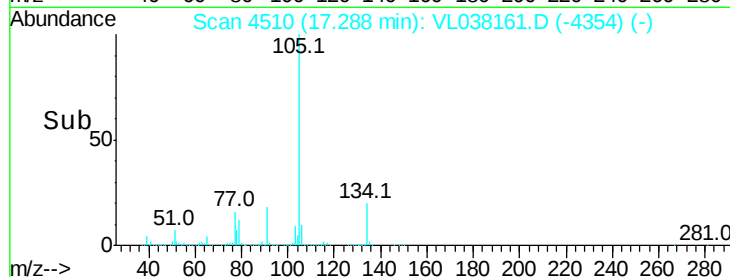
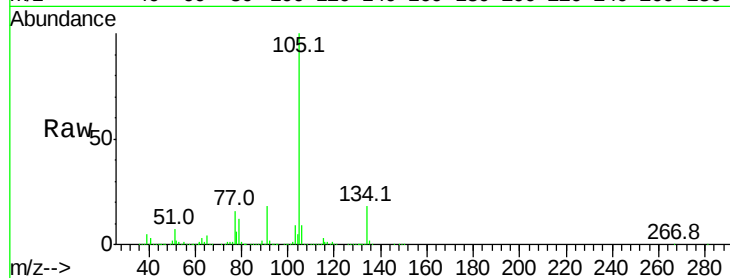
134 18.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.999 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

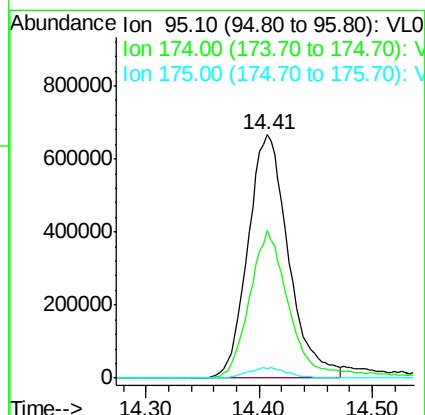
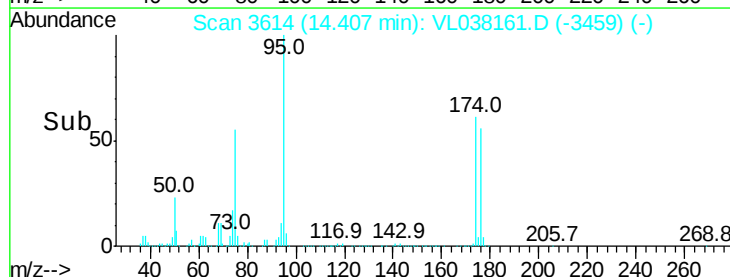
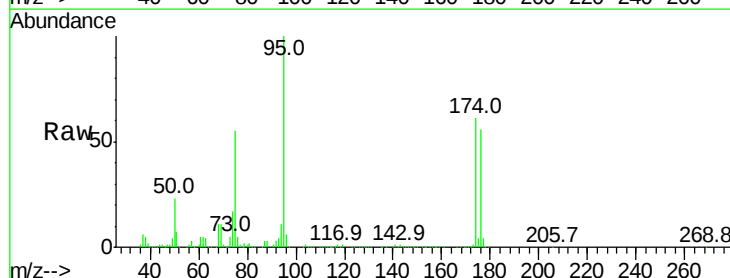
Tgt Ion: 95 Resp: 1657791

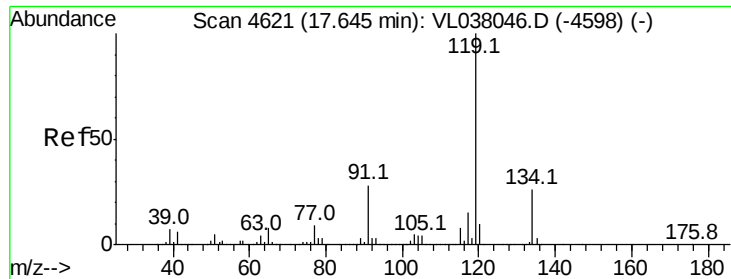
Ion Ratio Lower Upper

95 100

174 61.4 53.1 79.7

175 4.3 4.0 6.0



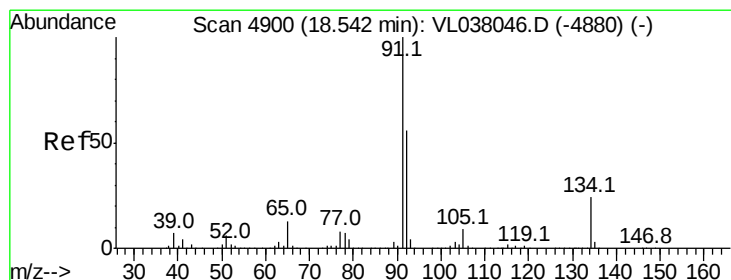
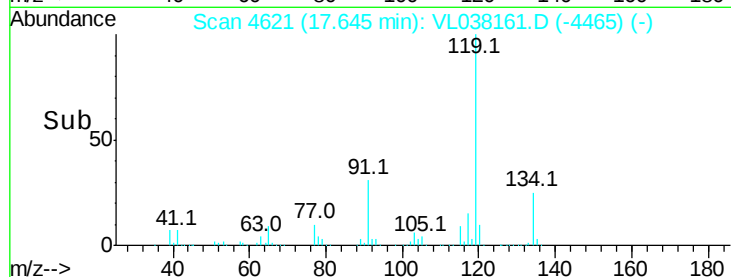
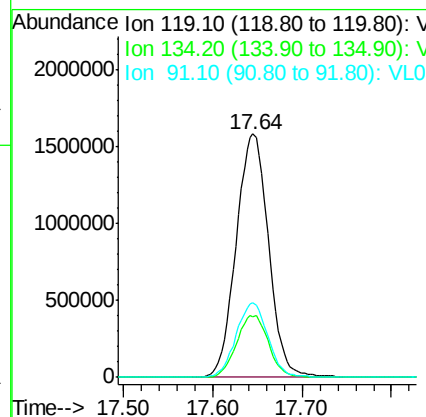
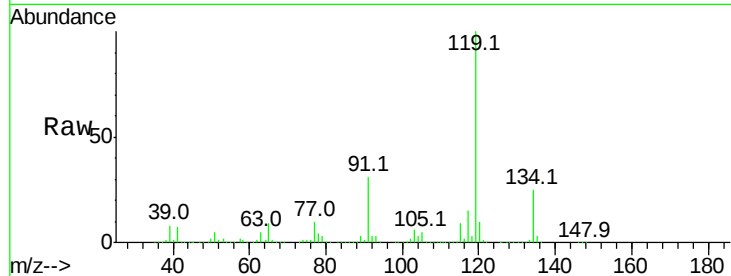


#69
 p-Isopropyltoluene
 Concen: 10.858 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion: 1
 Ion Ratio
 119 100
 134 25.
 91 30.

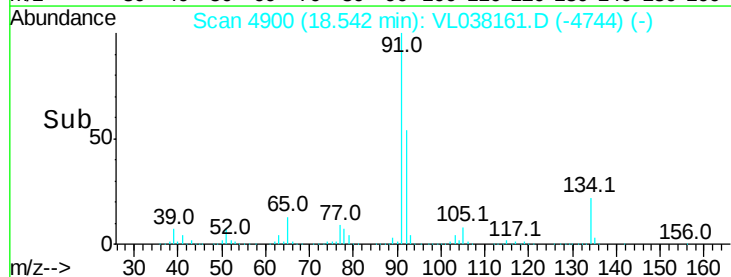
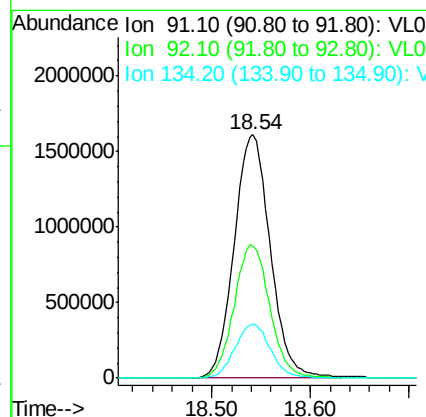
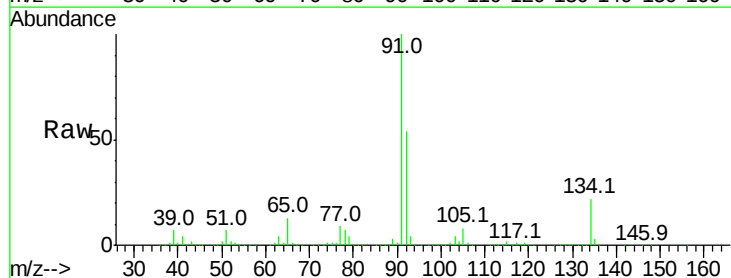
Manual Integrations
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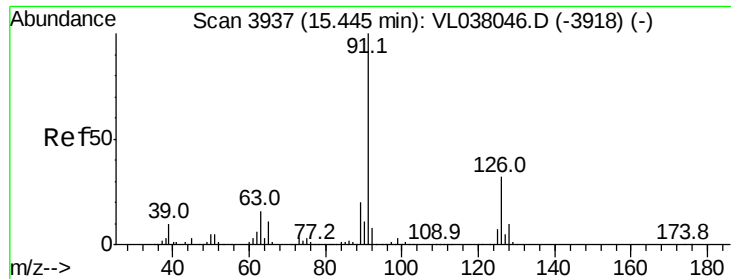
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#70
 n-Butylbenzene
 Concen: 11.660 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 91 Resp: 4098557
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.1 66.1
 134 21.8 18.9 28.3





#71

2-Chlorotoluene

Concen: 11.087 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:

Ion Ratio

91 100

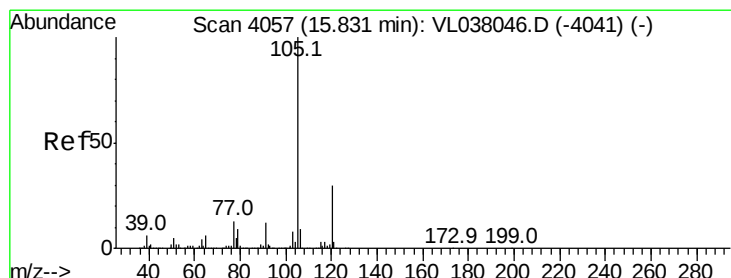
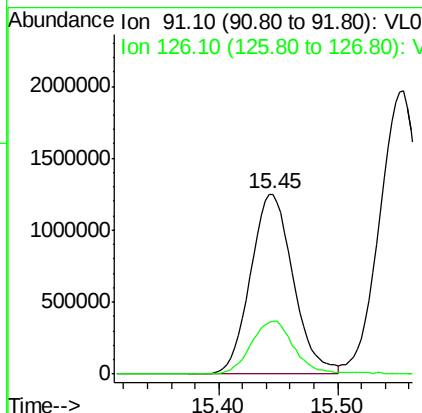
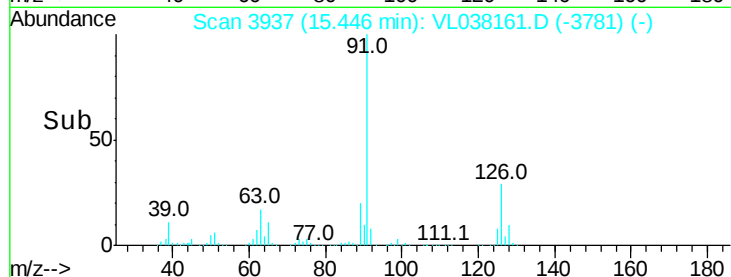
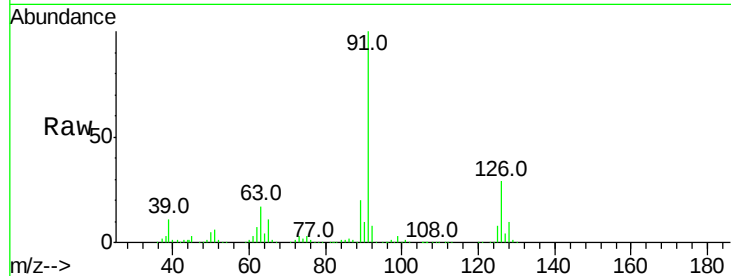
126 30.

Manual Integrations

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#72

4-Ethyltoluene

Concen: 10.971 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion:105 Resp: 3430727

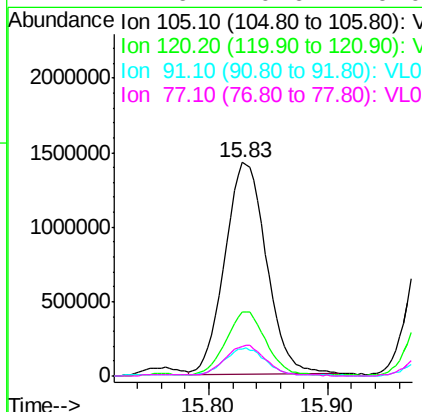
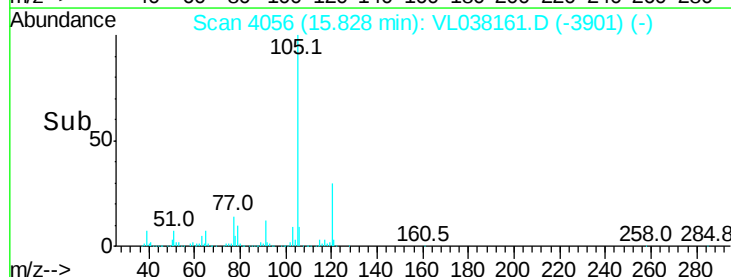
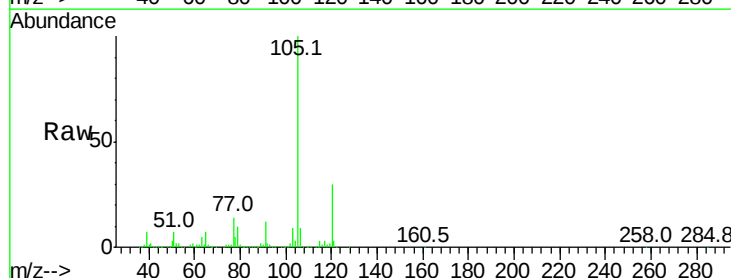
Ion Ratio Lower Upper

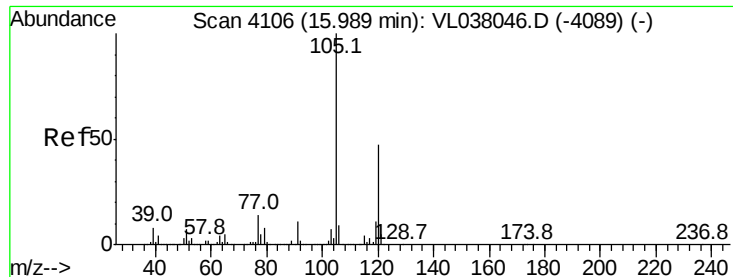
105 100

120 30.3 25.1 37.7

91 13.1 9.7 14.5

77 14.6 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 10.804 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27

Tot Ion:1

Ion Rati

105 100

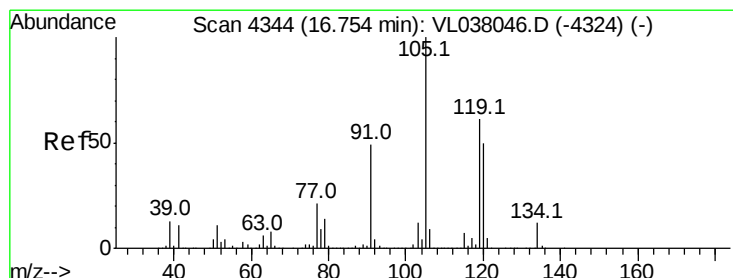
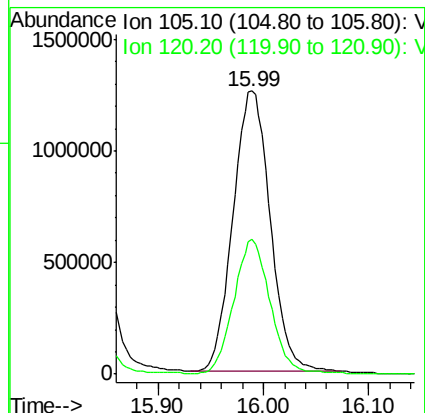
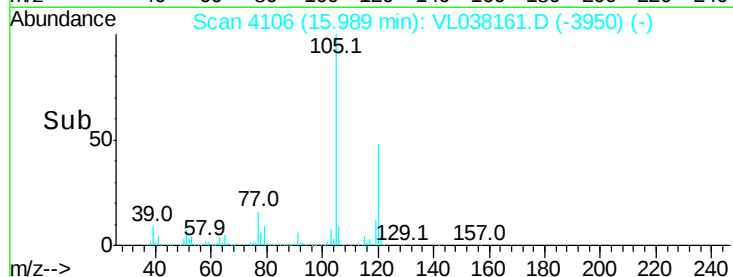
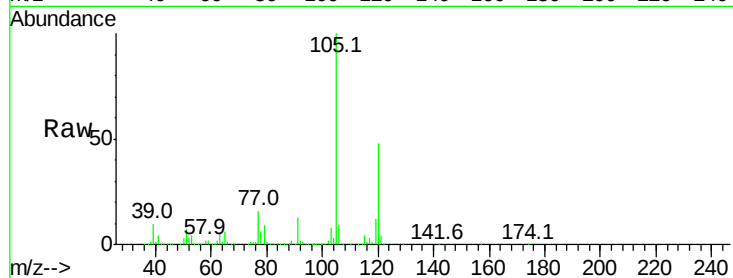
120 47.

Manual Integrations

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Reviewed By :Amit Patel 12/08/2021

Supervised By :Semsettin Yesilyurt 12/08/2021



#74

1,2,4-Trimethylbenzene

Concen: 10.947 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion:105 Resp: 3221919

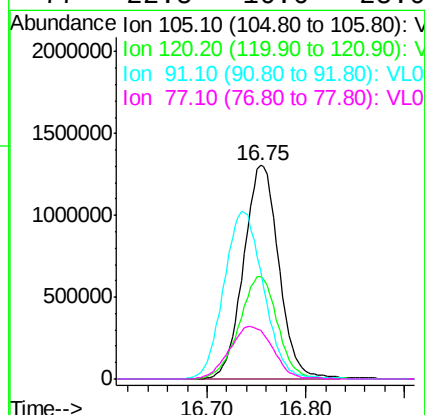
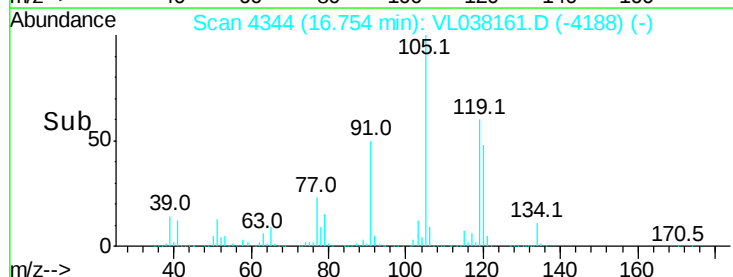
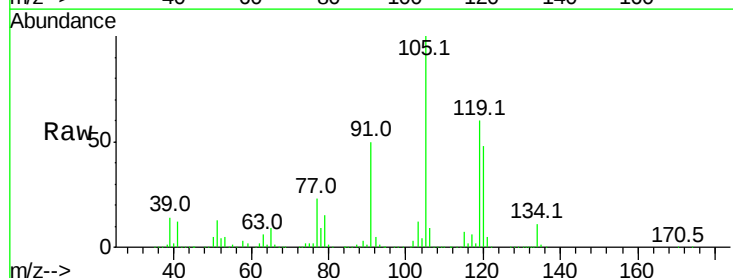
Ion Ratio Lower Upper

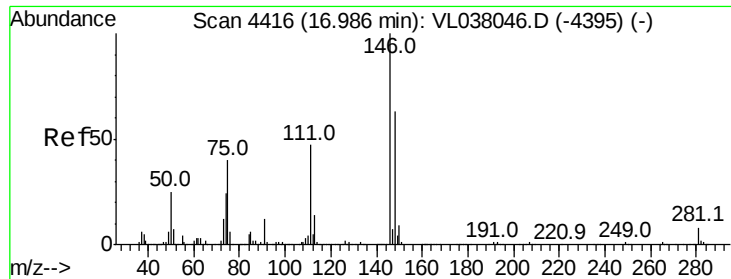
105 100

120 47.9 40.1 60.1

91 50.1 39.8 59.8

77 22.5 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 11.231 ppbv

RT: 16.99

Delta R.T. MSVOA_L

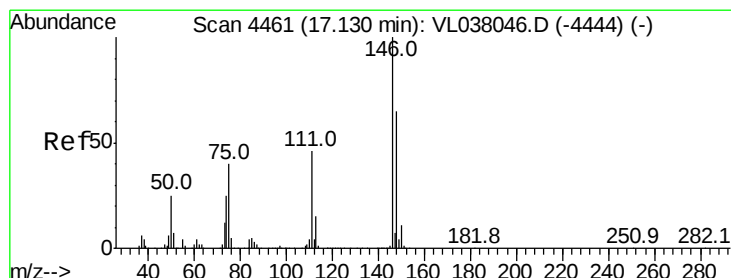
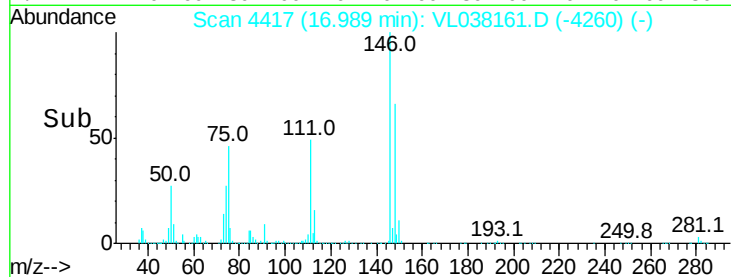
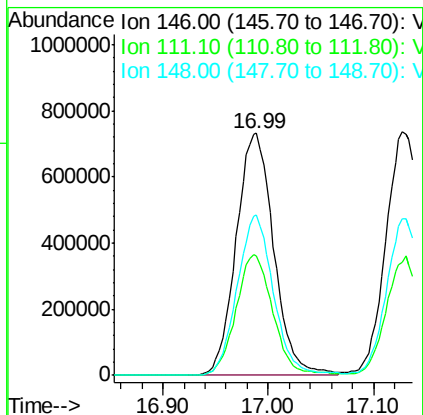
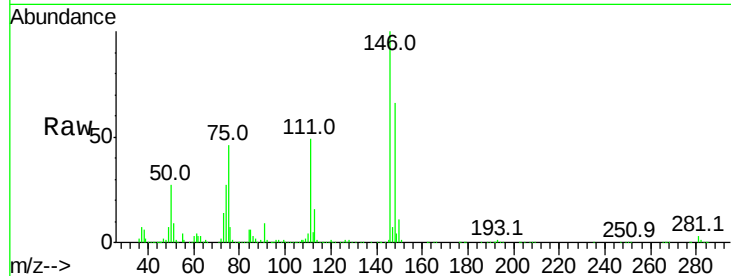
Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27 VSTDCCC010EC

Tot Ion:1
Ion Rati
146 100
111 48.
148 64.

Manual Integrations
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Reviewed By :Amit Patel 12/08/2021
Supervised By :Semsettin Yesilyurt 12/08/2021



#76

1,4-Dichlorobenzene

Concen: 10.681 ppbv

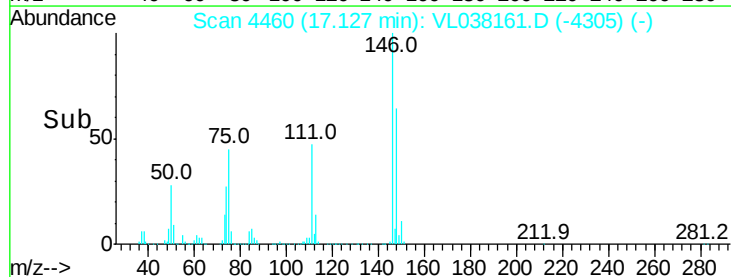
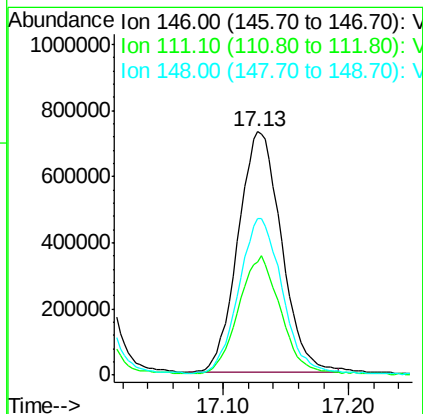
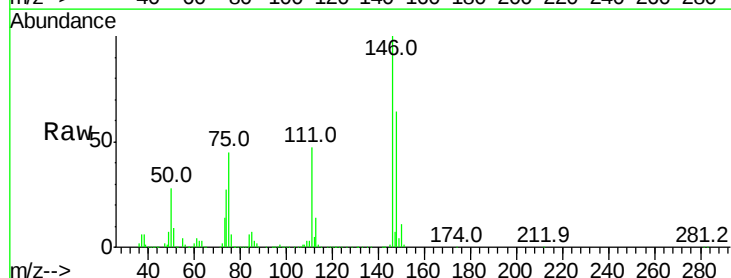
RT: 17.13 min Scan# 4460

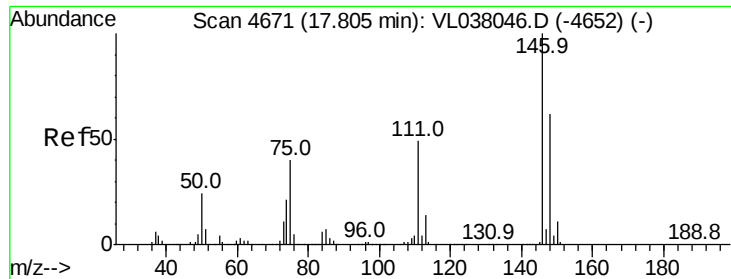
Delta R.T. -0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion:146 Resp: 1737455
Ion Ratio Lower Upper
146 100
111 49.6 23.8 71.5
148 67.2 33.2 99.6



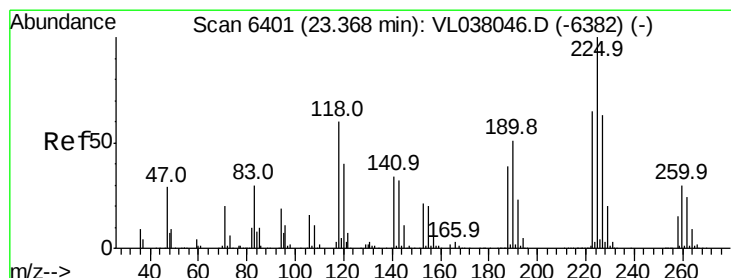
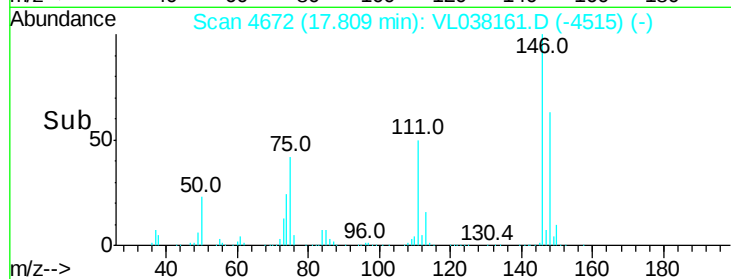
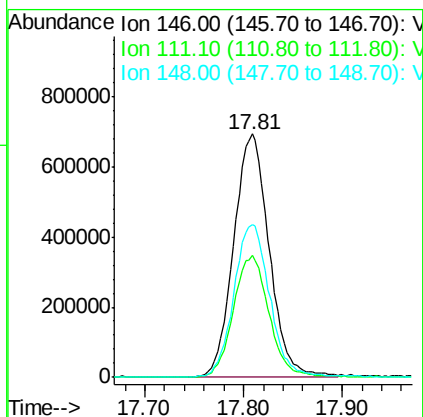
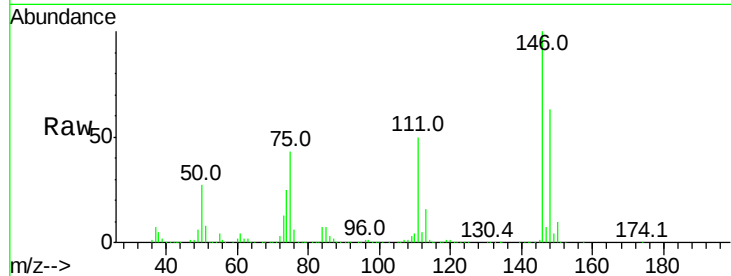


#77
 1,2-Dichlorobenzene
 Concen: 11.040 ppbv
 RT: 17.81
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 8 Dec 2021 9:27

Tot Ion:1
 Ion Rati
 146 100
 111 50.
 148 63.

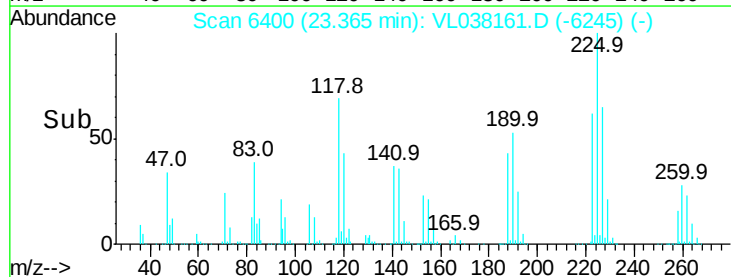
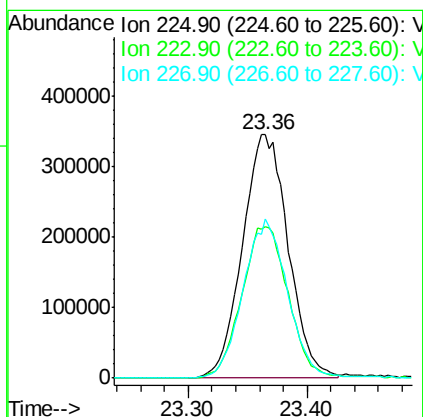
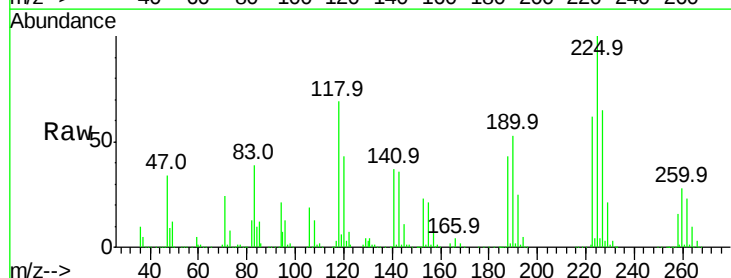
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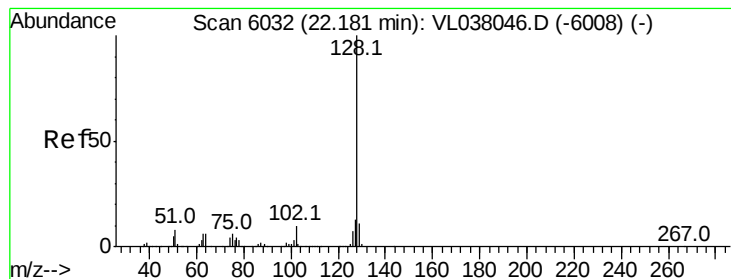
Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.395 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T. -0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion:225 Resp: 918166
 Ion Ratio Lower Upper
 225 100
 223 63.6 52.3 78.5
 227 63.9 52.4 78.6





#79

Naphthalene

Concen: 11.104 ppbv

RT: 22.18

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27

Tot Ion:1

Ion Ratio

128 100

127 11.

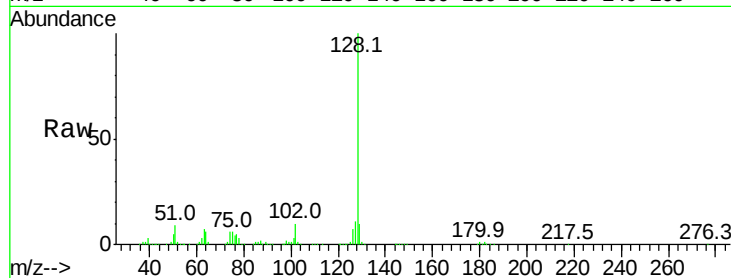
129 10.

Manual Integrations

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Reviewed By :Amit Patel 12/08/2021

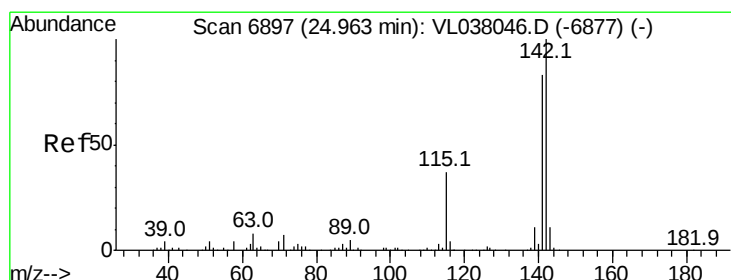
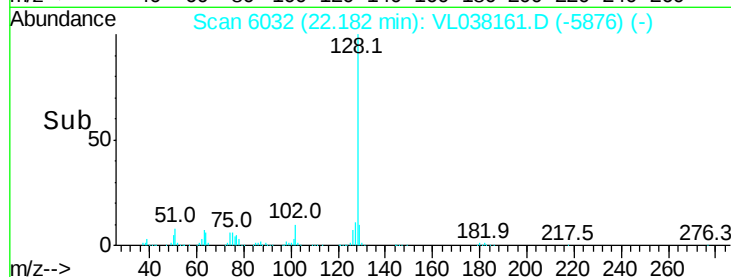
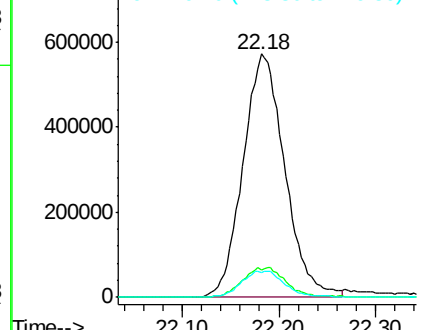
Supervised By :Semsettin Yesilyurt 12/08/2021



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: 11.015 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

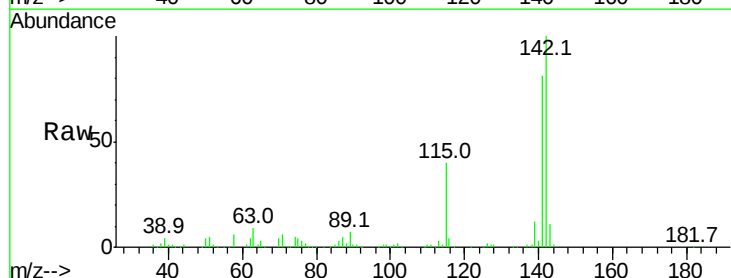
Tgt Ion:142 Resp: 365877

Ion Ratio Lower Upper

142 100

141 86.1 67.3 100.9

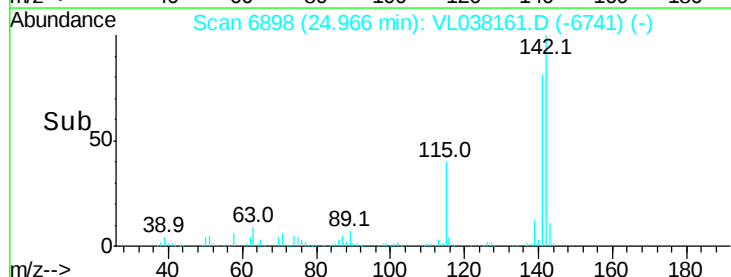
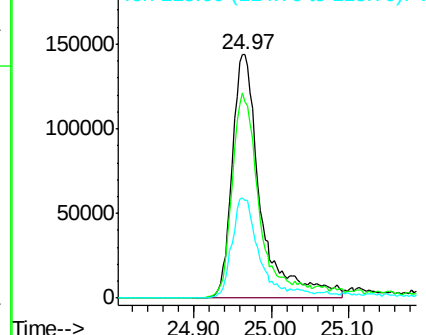
115 42.7 28.9 43.3

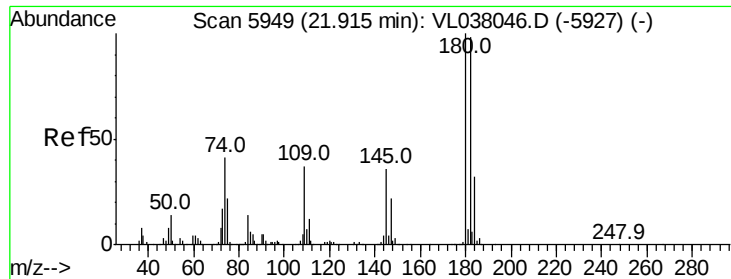


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.836 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 8 Dec 2021 9.27

Tot Ion:1
 Ion Rati
 180 100
 182 97.
 184 30.

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/08/2021
 Supervised By :Semsettin Yesilyurt 12/08/2021

