

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038081.D
 Acq On : 19 Nov 2021 12:23
 Operator : SY/AP
 Sample : VL1119ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL1119ABS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 22 06:53:52 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	5.65	49	790849	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2304572	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2059086m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1596715	10.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1098713	8.411 ppbv	96
3) Chlorodifluoromethane	2.98	51	1640596	9.878 ppbv	100
4) Chloromethane	3.13	50	567813	10.043 ppbv	100
5) Vinyl Chloride	3.25	62	565915	10.203 ppbv	98
6) Bromomethane	3.46	94	303468	10.214 ppbv	98
7) Chloroethane	3.55	64	187583	9.530 ppbv	90
8) Dichlorotetrafluoroethane	3.18	85	1305886	10.049 ppbv	97
9) Propene	3.01	41	590606	9.656 ppbv	99
10) Heptane	8.10	43	1449544	9.589 ppbv	100
11) Trichlorofluoromethane	3.94	101	1243858	10.012 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	875143	9.958 ppbv	99
13) Ethanol	3.59	45	52400m	8.865 ppbv	
14) Bromoethene	3.73	108	403420	10.251 ppbv	95
15) Acetone	3.84	43	640322	9.339 ppbv	99
16) 1,3-Butadiene	3.32	39	538844	10.073 ppbv	98
17) tert-Butyl alcohol	4.27	59	773182	9.296 ppbv	99
18) 1,1-Dichloroethene	4.28	96	402056	9.973 ppbv	96
19) Isopropyl Alcohol	3.95	45	449968	9.082 ppbv	# 97
20) Methylene Chloride	4.33	84	339840	8.849 ppbv	97
21) Allyl Chloride	4.40	41	629939	9.925 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	399809	9.791 ppbv	98
23) Vinyl Acetate	5.06	43	979494	9.868 ppbv	98
24) 1,1-Dichloroethane	5.00	63	827402	10.010 ppbv	99
25) Ethyl Acetate	5.66	43	2185732	9.591 ppbv	99
26) Hexane	5.67	57	1062174	9.670 ppbv	96
27) Carbon Disulfide	4.54	76	997212	10.135 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	911591	9.770 ppbv	100
29) Chloroform	5.73	83	1606746	9.925 ppbv	99
30) Cyclohexane	7.11	84	935487	9.381 ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1058514	10.131 ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	1619145	9.855 ppbv	99
34) 2-Butanone	5.23	43	964419	10.378 ppbv	99
35) Carbon Tetrachloride	7.00	117	1664404	10.279 ppbv	97
36) Benzene	6.87	78	2282031	9.927 ppbv	99
37) 1,2-Dichloroethane	6.29	62	1201739	10.824 ppbv	99
38) Trichloroethene	7.82	130	821088	9.469 ppbv	96
39) 1,2-Dichloropropane	7.59	63	884310	10.028 ppbv	97
40) 1,4-Dioxane	7.82	88	205227	8.933 ppbv	# 1
41) Tetrahydrofuran	6.03	42	566831	9.826 ppbv	99
42) Bromodichloromethane	7.77	83	1750337	10.370 ppbv	100
43) Methyl Methacrylate	7.99	69	845501	10.750 ppbv	99

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Instrument :
 MSVOA L
 ClientSampleId :
 VL1119ABS01

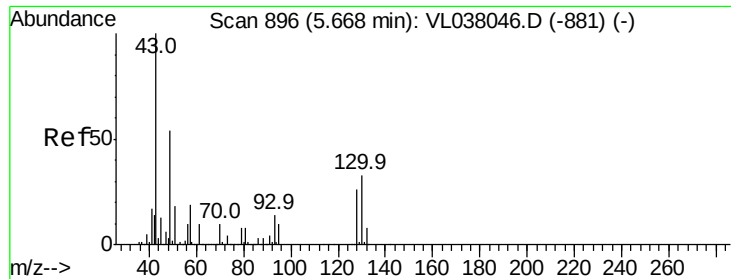
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3685134	9.581	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	720863	11.427	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	921793	10.803	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	903366	9.781	ppbv	95
48) Dibromochloromethane	10.28	129	1462839	10.401	ppbv	98
49) Bromoform	13.01	173	1065533	10.590	ppbv	97
50) 4-Methyl-2-Pentanone	8.72	43	1470049	10.417	ppbv	99
51) 2-Hexanone	10.11	43	679208	10.230	ppbv #	100
52) Tetrachloroethene	11.20	164	741823	8.721	ppbv	98
53) Toluene	9.78	91	2579711	9.753	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1310935	10.049	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	930469	9.954	ppbv	97
57) Chlorobenzene	12.12	112	1806750	9.790	ppbv	98
58) Ethyl Benzene	12.69	91	3365851	9.890	ppbv	99
59) m/p-Xylene	12.97	91	5478904m	19.124	ppbv	
60) o-Xylene	13.67	91	2482340	9.340	ppbv	99
61) Styrene	13.50	104	1412604	9.914	ppbv	96
62) Isopropylbenzene	14.64	105	3586526	9.507	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	1779861	9.016	ppbv	99
64) n-propylbenzene	15.54	120	920891	9.582	ppbv	95
65) tert-Butylbenzene	16.72	119	3001001	9.029	ppbv	99
66) Benzyl Chloride	16.96	91	144073	8.553	ppbv	96
67) sec-Butylbenzene	17.27	105	4220865	9.114	ppbv	100
69) p-Isopropyltoluene	17.63	119	3395303	9.372	ppbv	99
70) n-Butylbenzene	18.52	91	3331514	9.618	ppbv	99
71) 2-Chlorotoluene	15.43	91	2627142	9.525	ppbv	98
72) 4-Ethyltoluene	15.81	105	2942770	9.550	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2655774	9.437	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2701745	9.316	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	1517768	9.528	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1469433	9.167	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	1420947	9.213	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	782431	8.125	ppbv	99
79) Naphthalene	22.16	128	1517815	9.938	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	379743	11.602	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	815109	9.288	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1119ABS01

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

49 100

128 52.

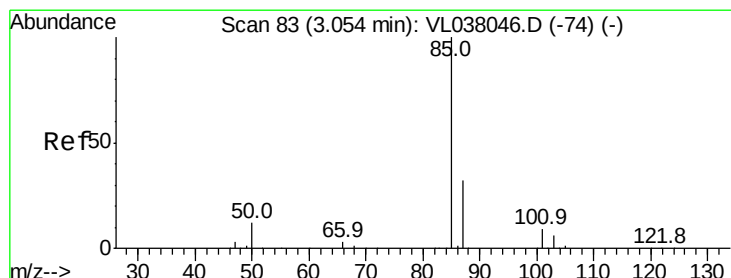
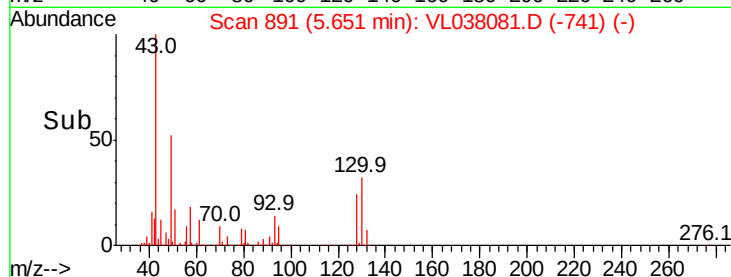
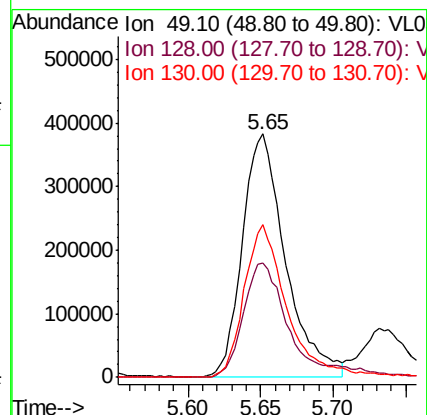
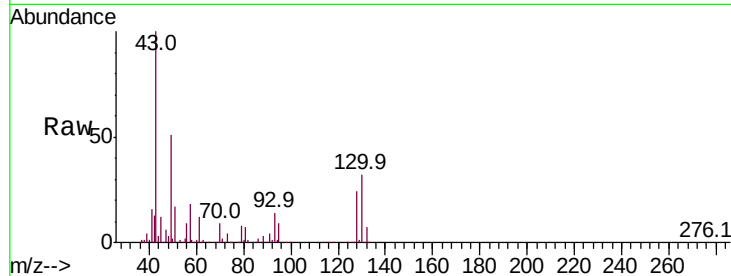
130 63.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 8.411 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL038081.D

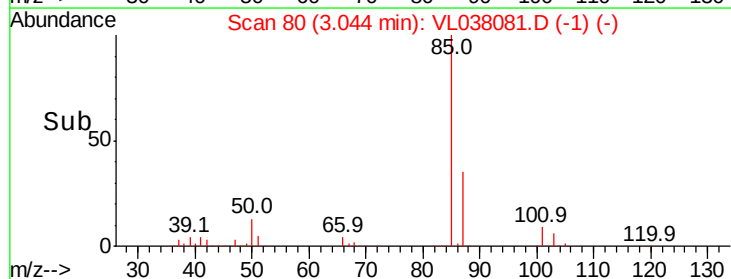
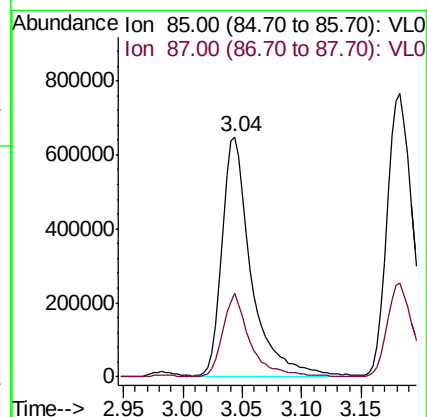
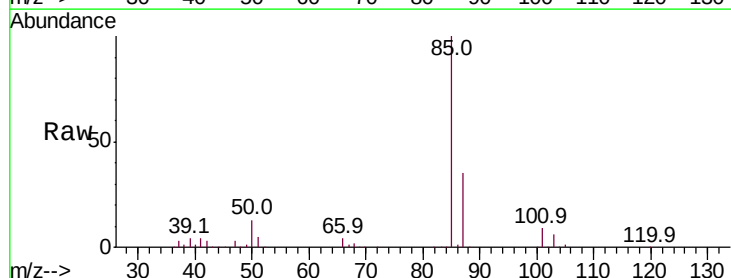
Acq: 19 Nov 2021 12:23

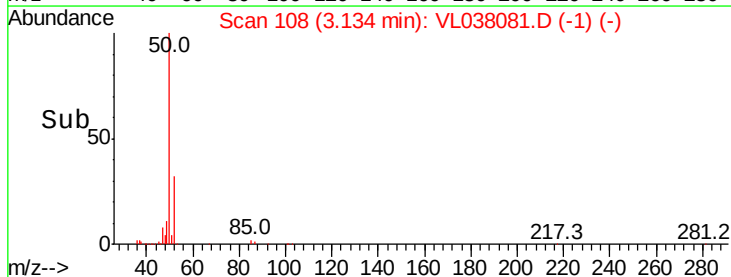
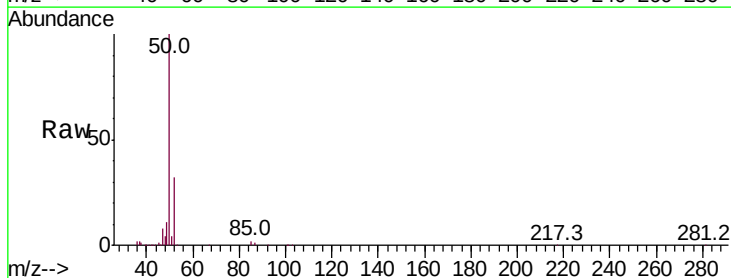
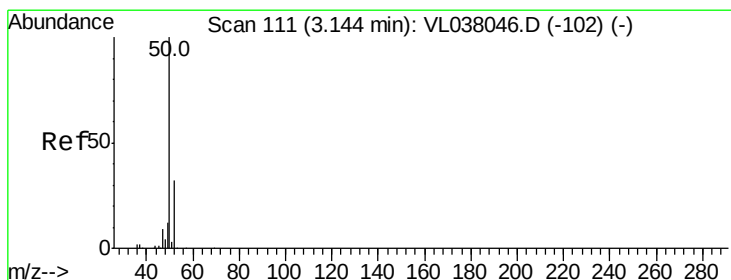
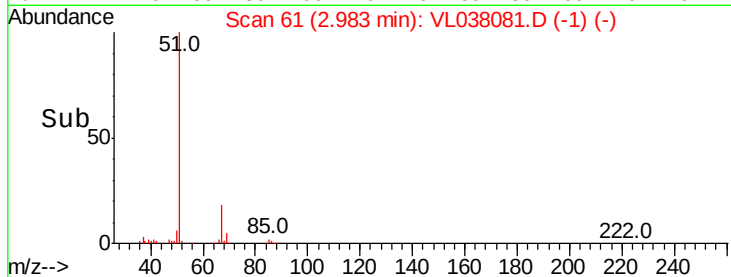
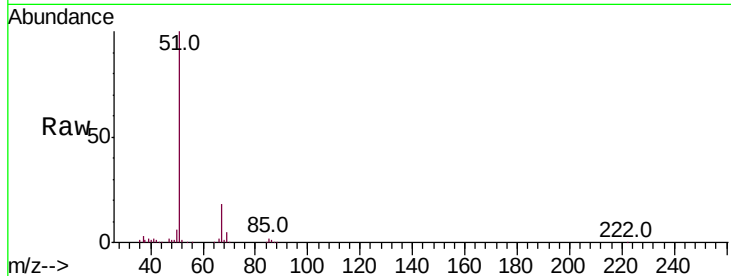
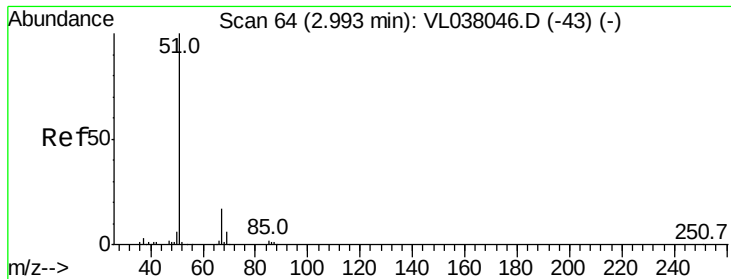
Tgt Ion: 85 Resp: 1098713

Ion Ratio Lower Upper

85 100

87 34.7 25.8 38.6





#3

Chlorodifluoromethane

Concen: 9.878 ppbv

RT: 2.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

51 100

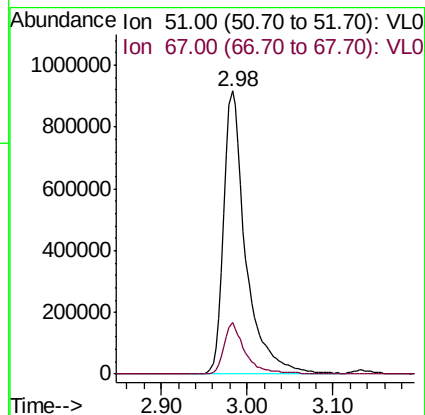
67 17.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#4

Chloromethane

Concen: 10.043 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL038081.D

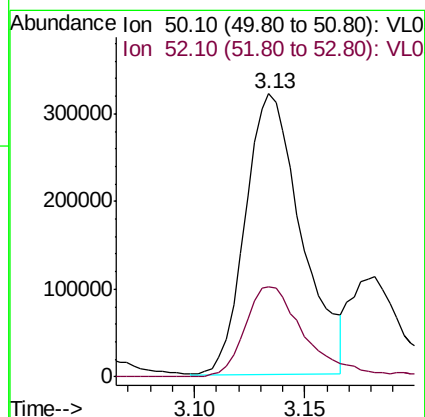
Acq: 19 Nov 2021 12:23

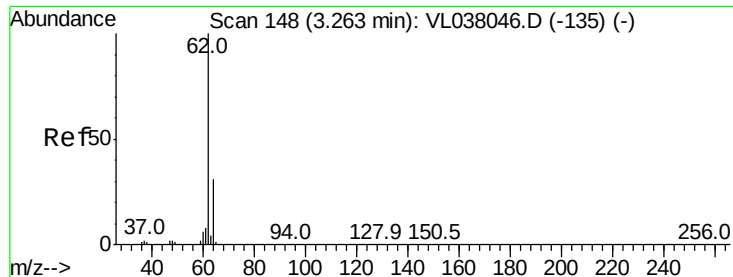
Tgt Ion: 50 Resp: 567813

Ion Ratio Lower Upper

50 100

52 31.9 25.4 38.0





#5

Vinyl Chloride

Concen: 10.203 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

62 100

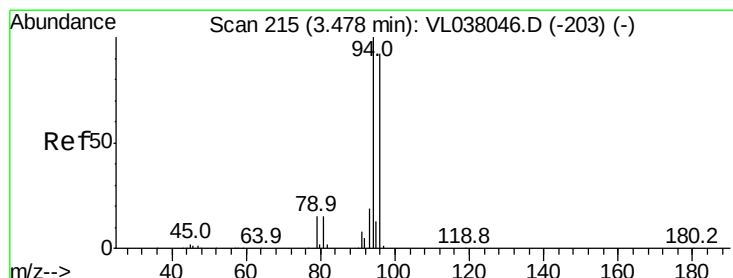
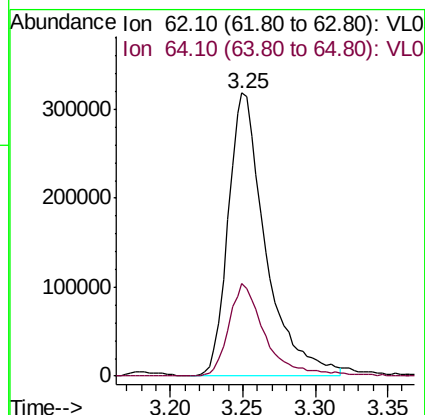
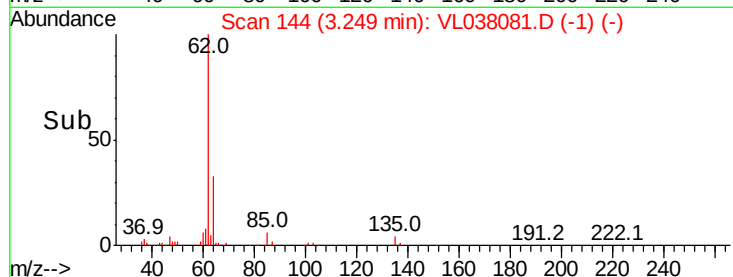
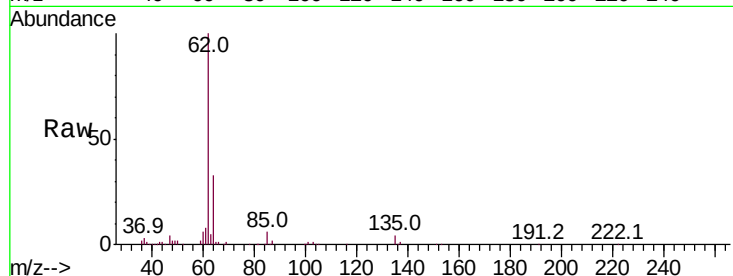
64 32.

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 11/29/2021



#6

Bromomethane

Concen: 10.214 ppbv

RT: 3.46 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL038081.D

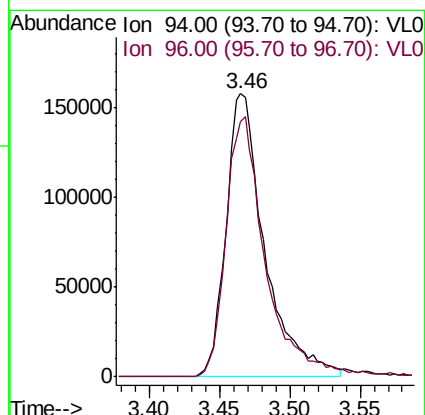
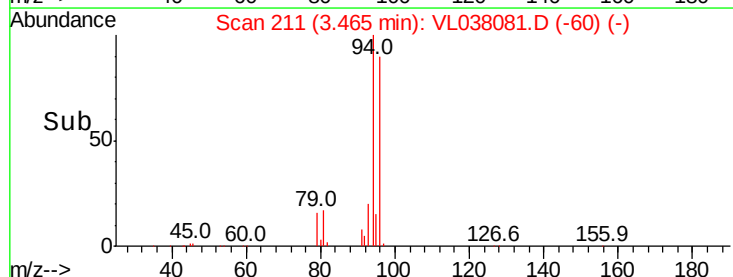
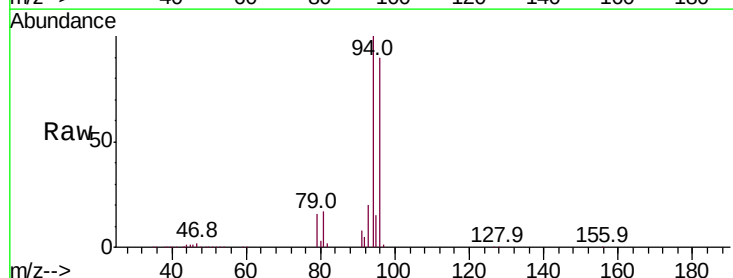
Acq: 19 Nov 2021 12:23

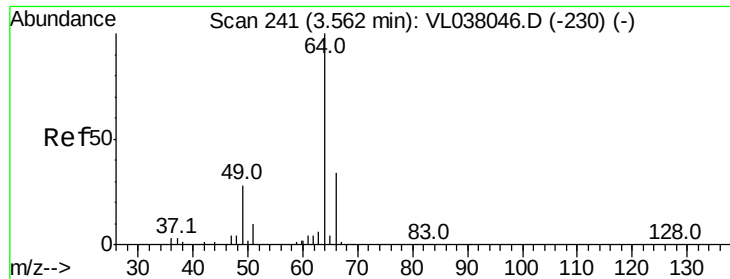
Tgt Ion: 94 Resp: 303468

Ion Ratio Lower Upper

94 100

96 90.3 73.9 110.9





#7

Chloroethane

Concen: 9.530 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1119ABS01

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

64 100

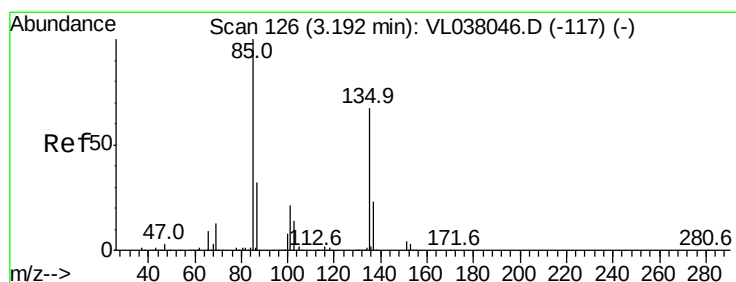
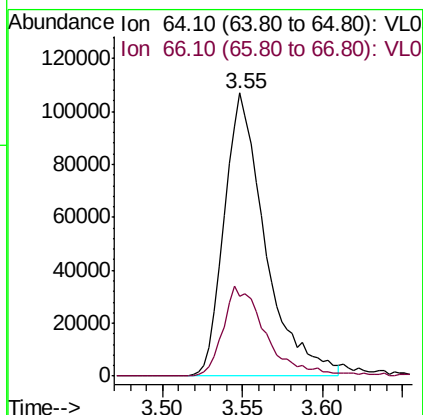
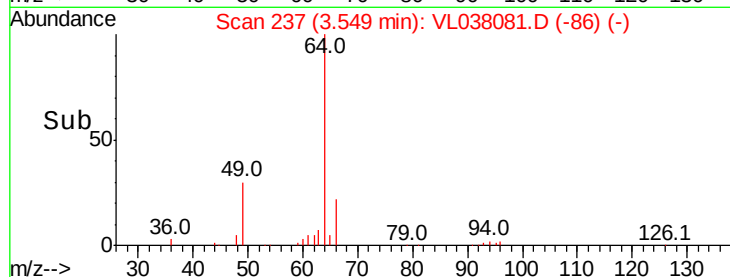
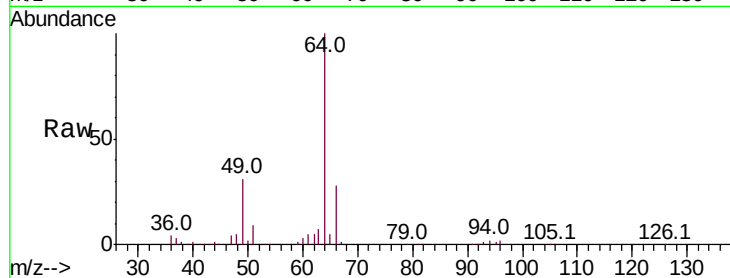
66 28.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#8

Dichlorotetrafluoroethane

Concen: 10.049 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL038081.D

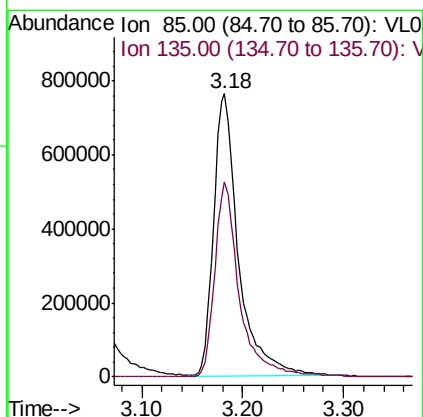
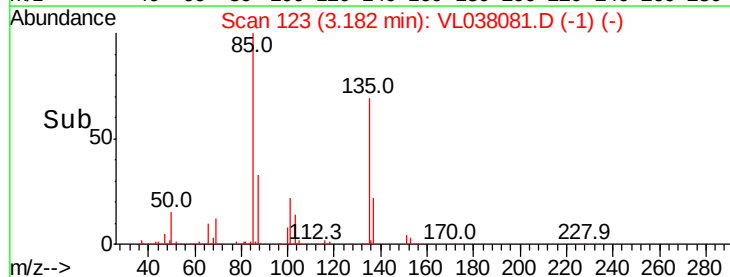
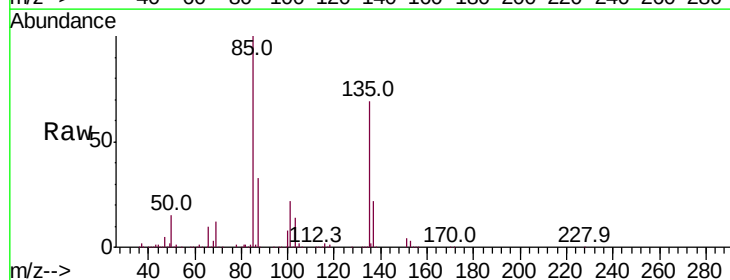
Acq: 19 Nov 2021 12:23

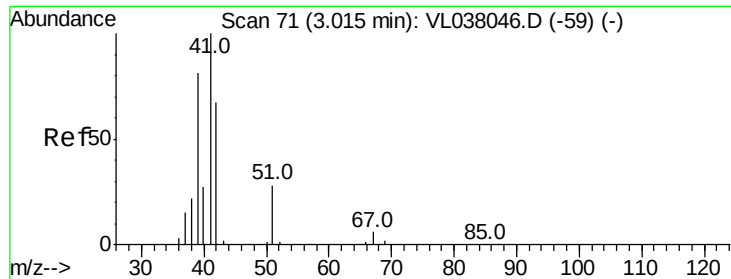
Tgt Ion: 85 Resp: 1305886

Ion Ratio Lower Upper

85 100

135 69.5 57.9 86.9





#9

Propene

Concen: 9.656 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

41 100

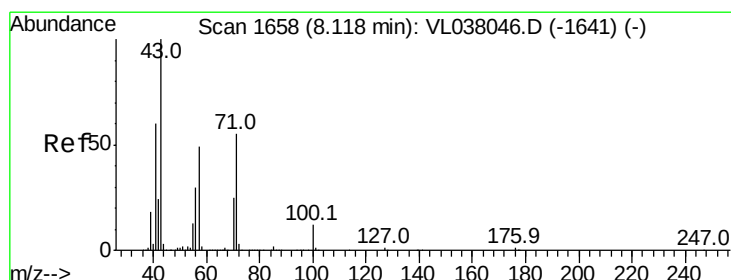
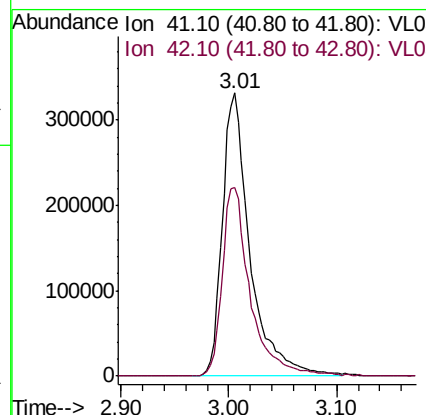
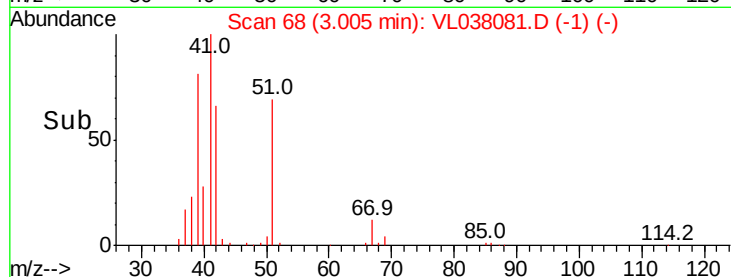
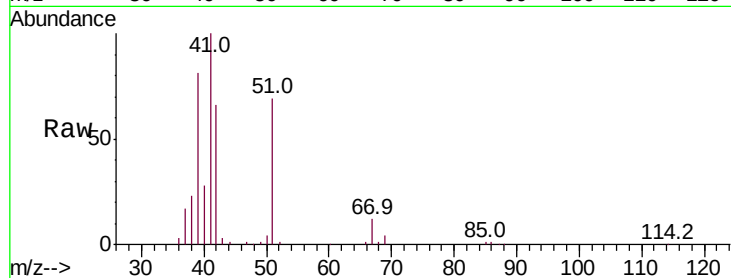
42 68.

Manual Integrations

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Supervised By :Mahesh Dadoda 11/29/2021



#10

Heptane

Concen: 9.589 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.02 min

Lab File: VL038081.D

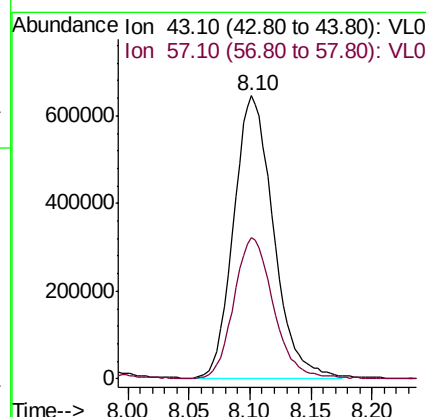
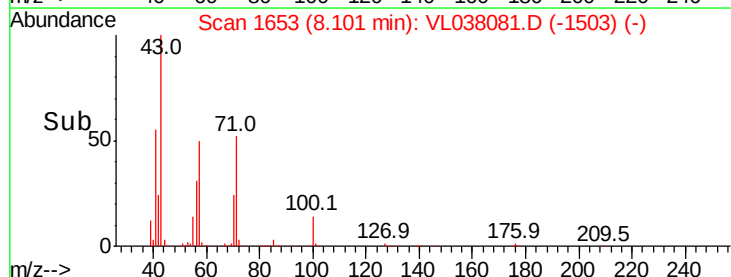
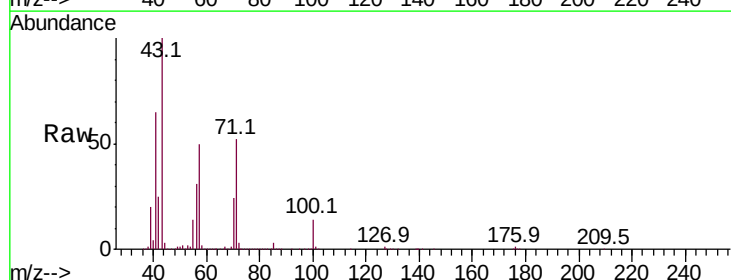
Acq: 19 Nov 2021 12:23

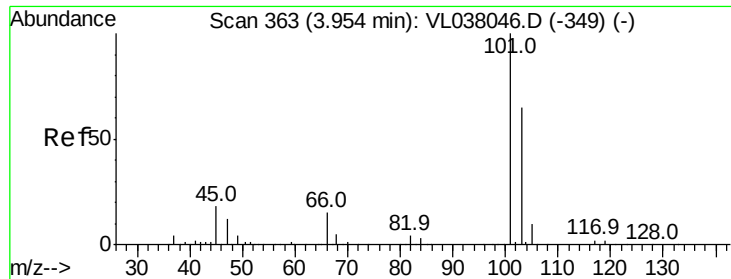
Tgt Ion: 43 Resp: 1449544

Ion Ratio Lower Upper

43 100

57 50.6 40.4 60.6



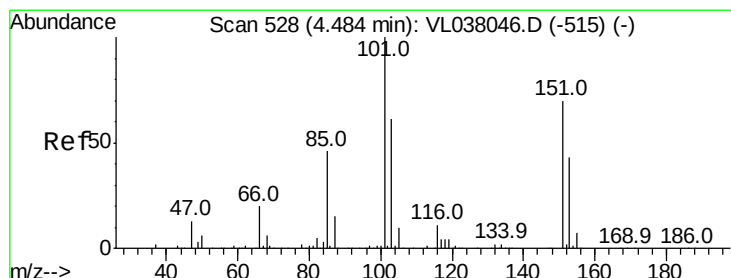
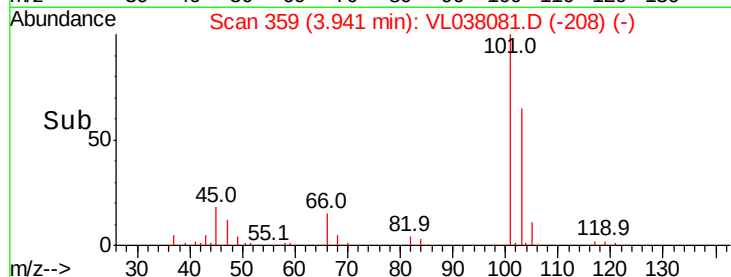
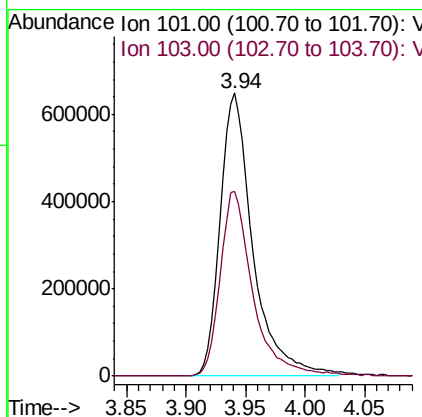
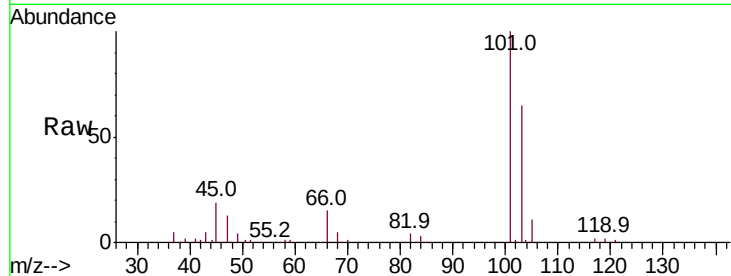


#11
 Trichlorofluoromethane
 Concen: 10.012 ppbv
 RT: 3.94
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VL1119ABS01
 Acq: 19 Nov 2021 12:23

Tot Ion:1
 Ion Rati
 101 100
 103 65.

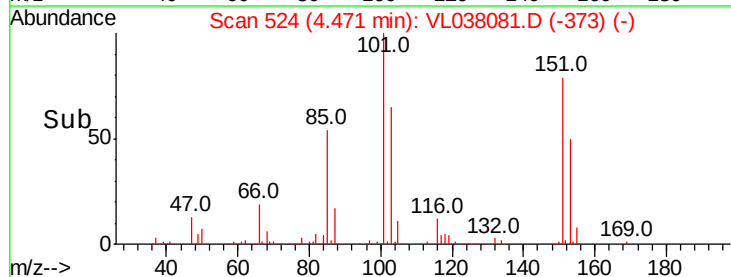
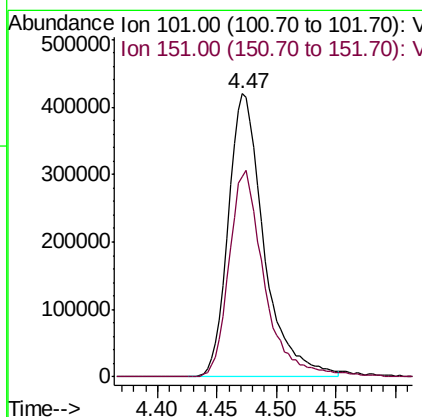
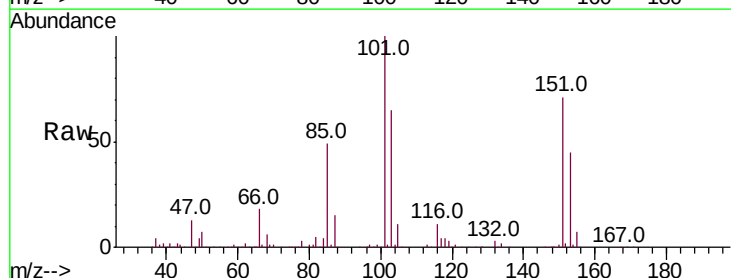
Manual Integrations
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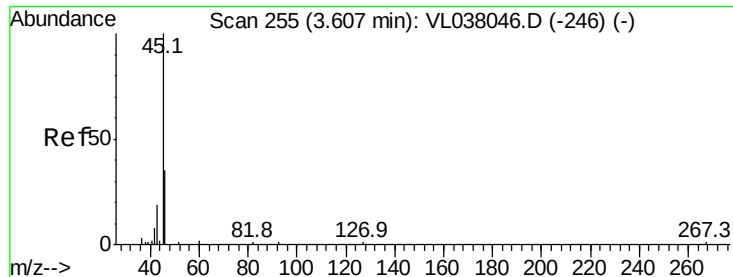
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.958 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion:101 Resp: 875143
 Ion Ratio Lower Upper
 101 100
 151 72.5 59.0 88.4



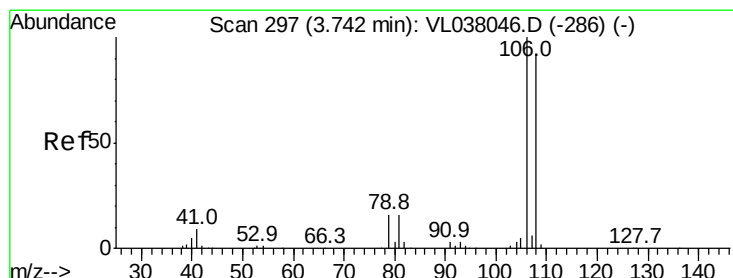
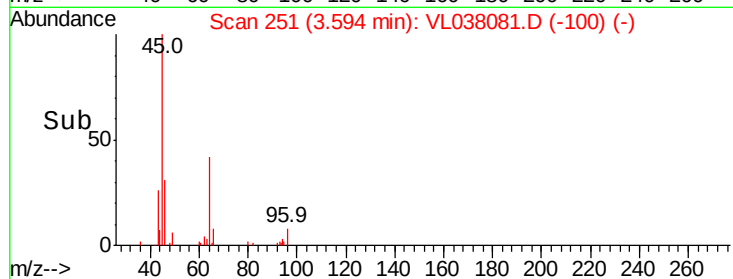
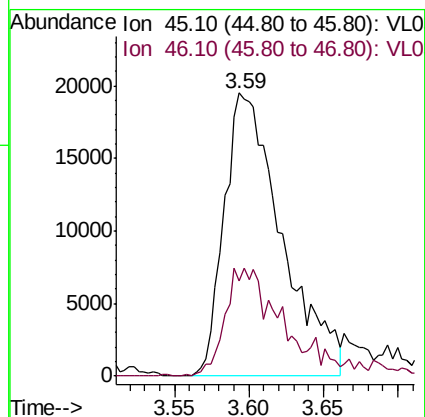
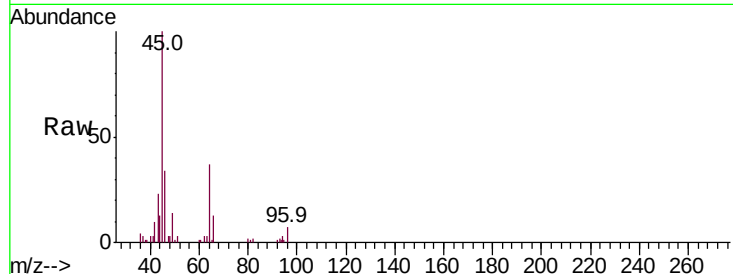


#13
Ethanol
Concen: 8.865 ppbv m
RT: 3.59
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Ratio
45 100
46 41.

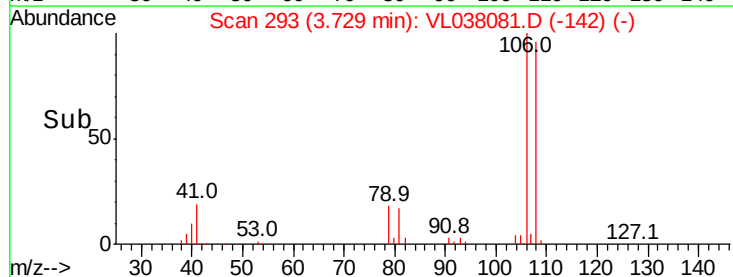
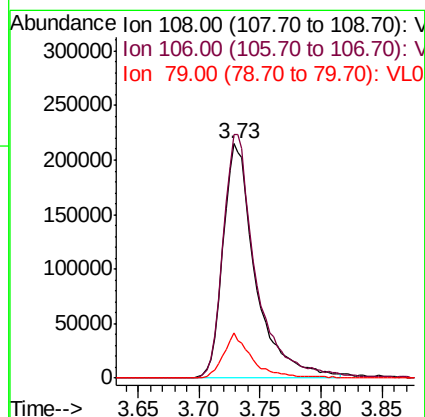
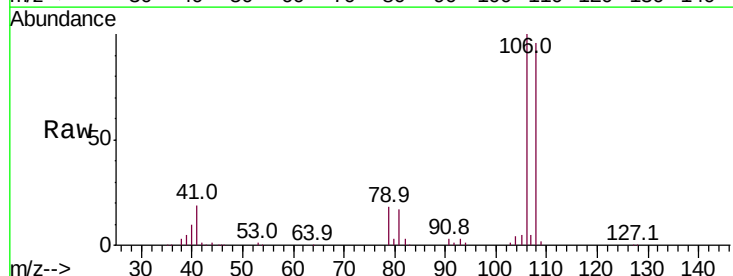
Manual Integrations
APPROVED

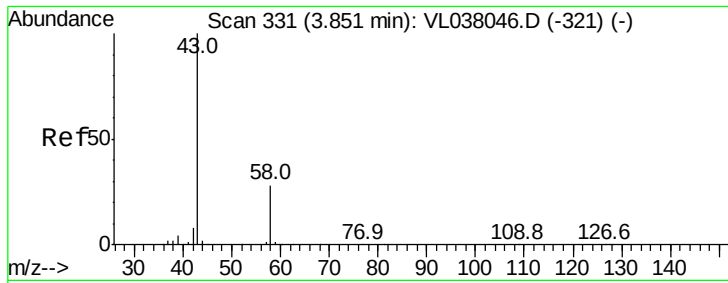
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#14
Bromoethene
Concen: 10.251 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.01 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion:108 Resp: 403420
Ion Ratio Lower Upper
108 100
106 105.3 89.4 134.0
79 17.5 14.1 21.1



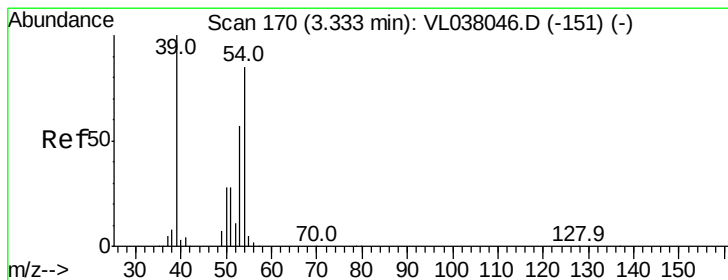
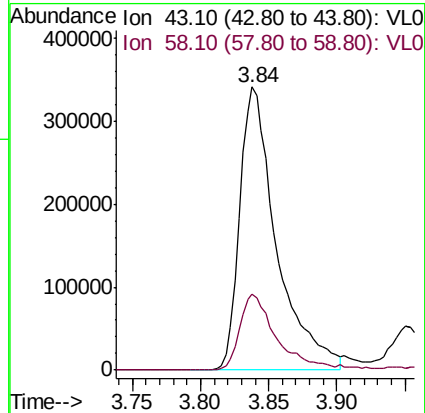
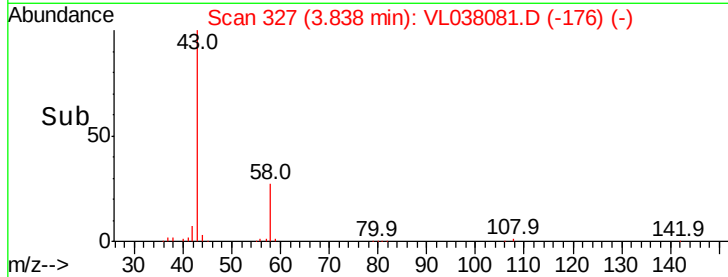
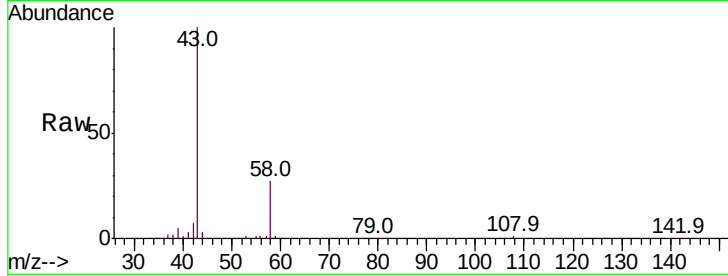


#15
Acetone
Concen: 9.339 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Ratio
43 100
58 27.

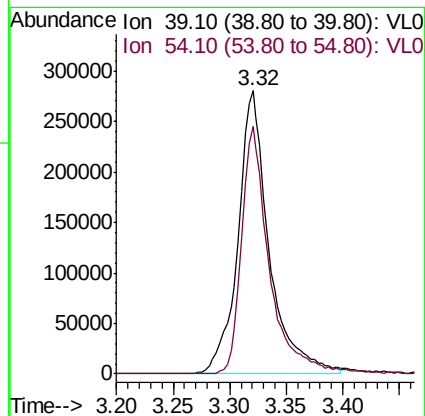
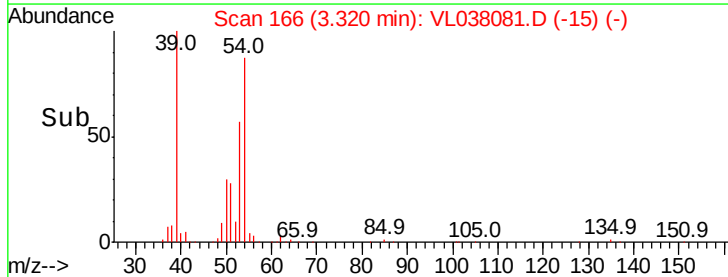
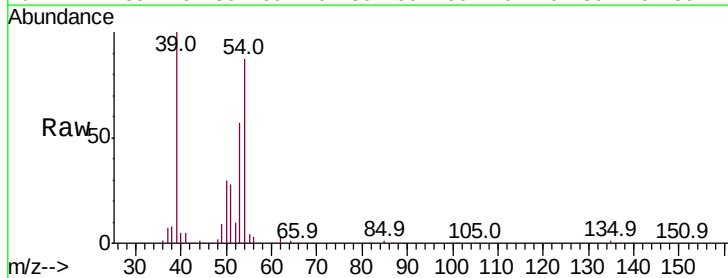
Manual Integrations
APPROVED

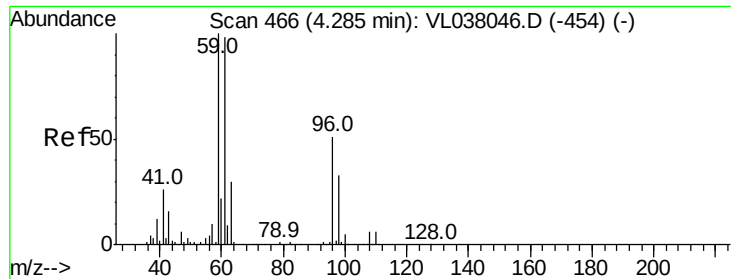
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#16
1,3-Butadiene
Concen: 10.073 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.01 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 39 Resp: 538844
Ion Ratio Lower Upper
39 100
54 78.6 64.4 96.6





#17

tert-Butyl alcohol

Concen: 9.296 ppbv

RT: 4.27 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1119ABS01

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

59 100

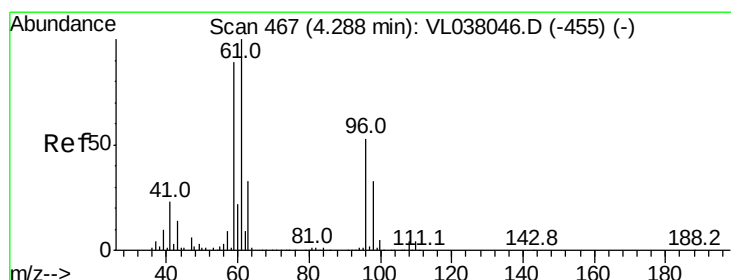
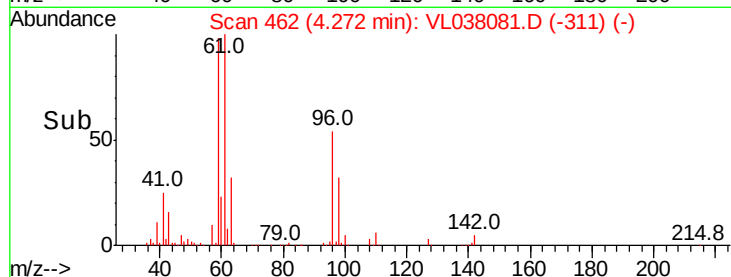
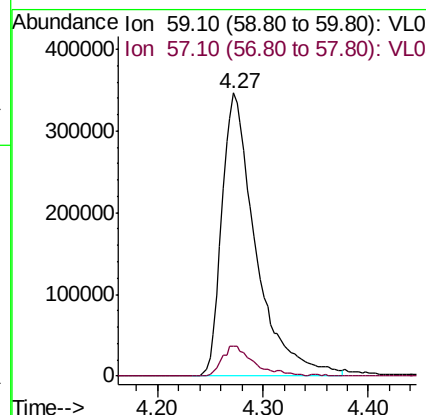
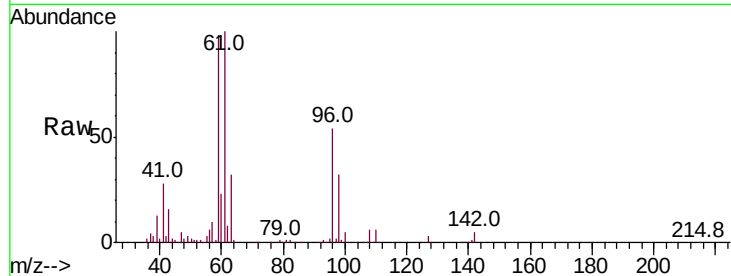
57 10.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#18

1,1-Dichloroethene

Concen: 9.973 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

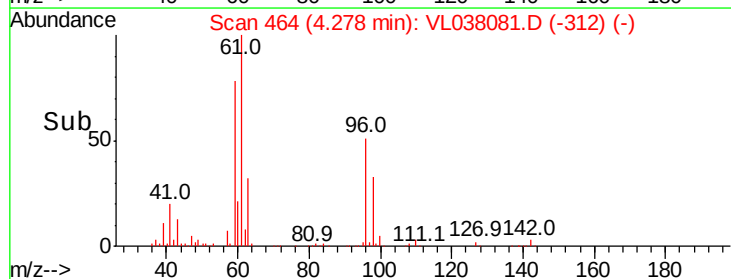
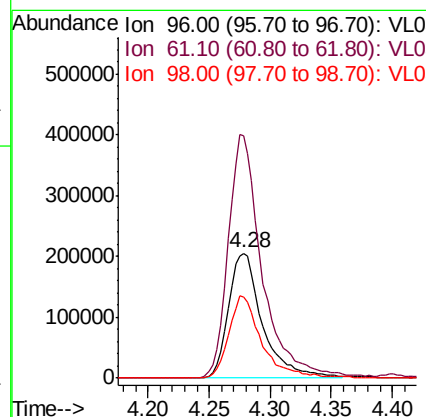
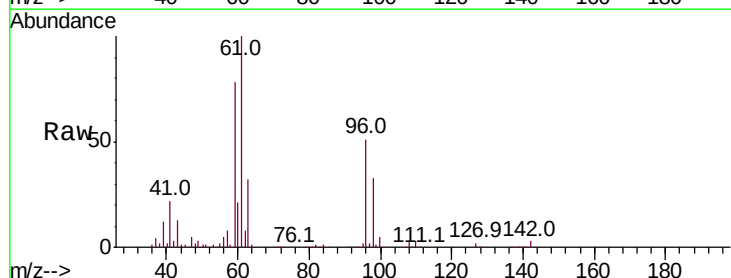
Tgt Ion: 96 Resp: 402056

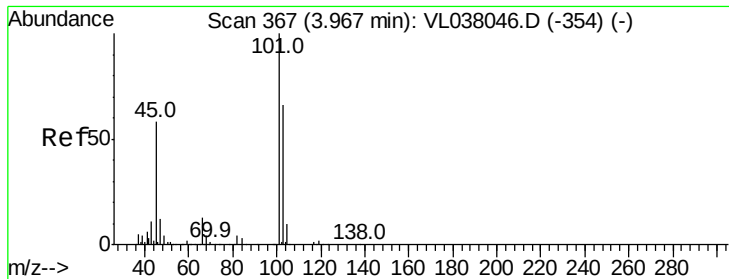
Ion Ratio Lower Upper

96 100

61 194.3 149.8 224.8

98 64.4 50.2 75.2



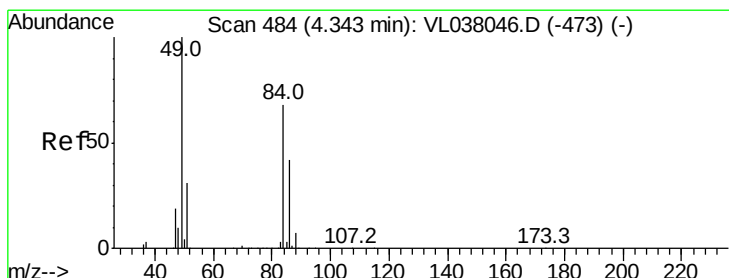
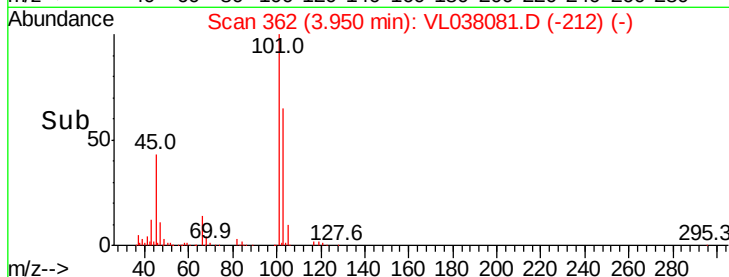
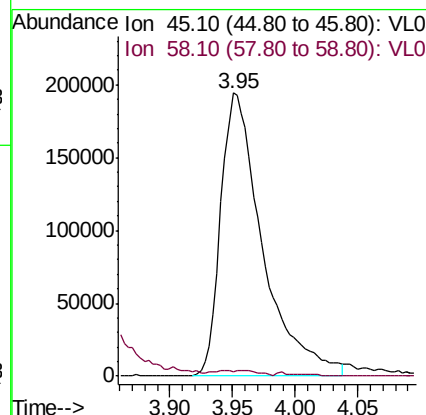
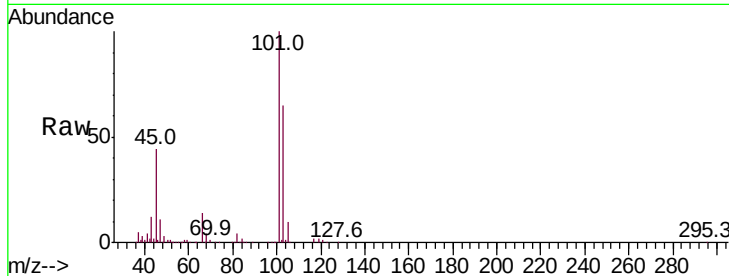


#19
Isopropyl Alcohol
Concen: 9.082 ppbv
RT: 3.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1119ABS01
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Ratio
45 100
58 3.

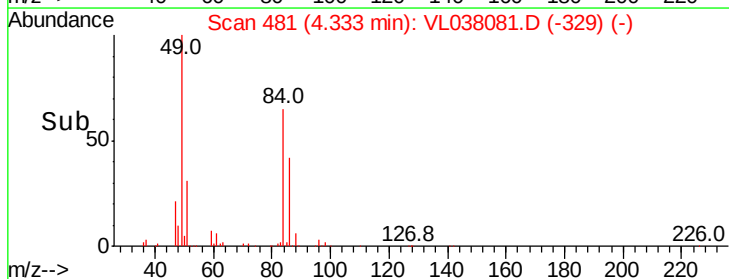
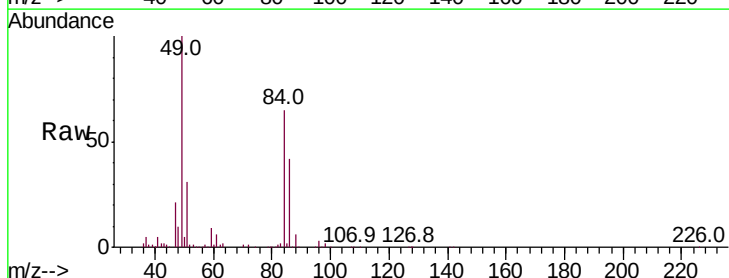
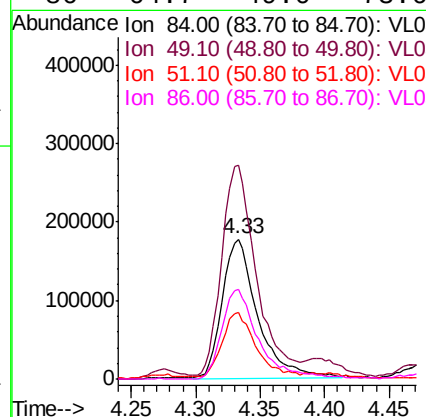
Manual Integrations
APPROVED

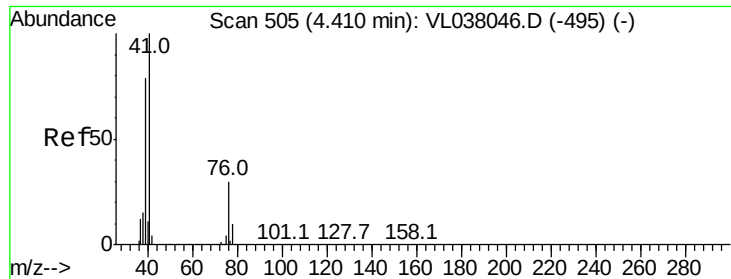
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#20
Methylene Chloride
Concen: 8.849 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 84 Resp: 339840
Ion Ratio Lower Upper
84 100
49 151.0 118.2 177.2
51 46.6 36.8 55.2
86 64.7 49.0 73.6



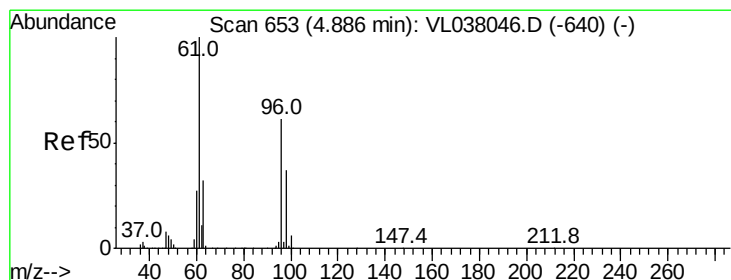
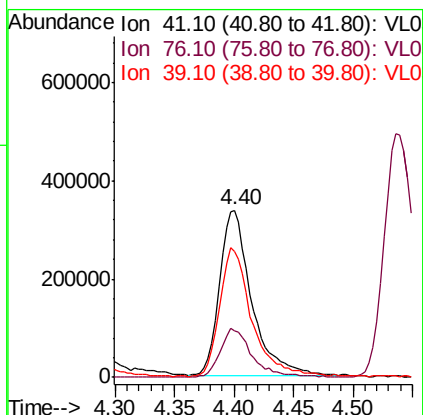
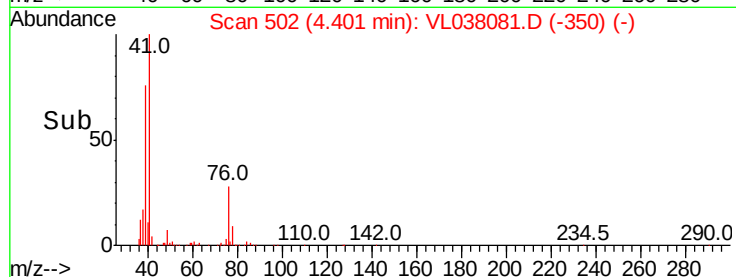
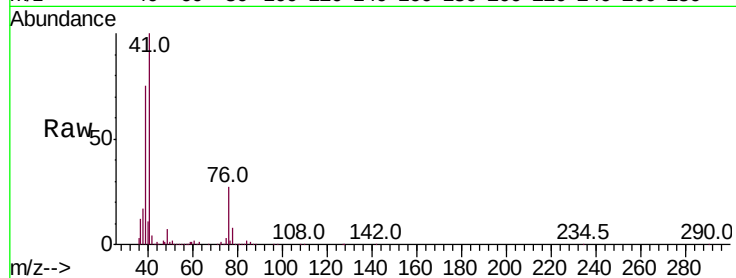


#21
 Allvl Chloride
 Concen: 9.925 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL1119ABS01
 Acq: 19 Nov 2021 12:23

Tot Ion:
 Ion Rati
 41 100
 76 29.
 39 78.

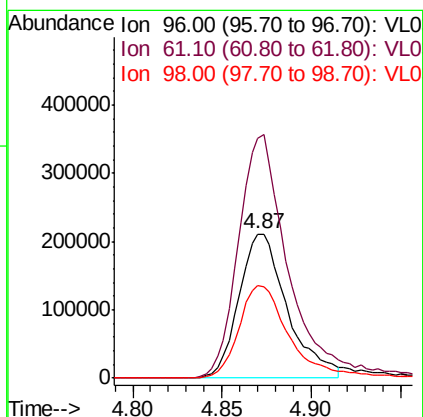
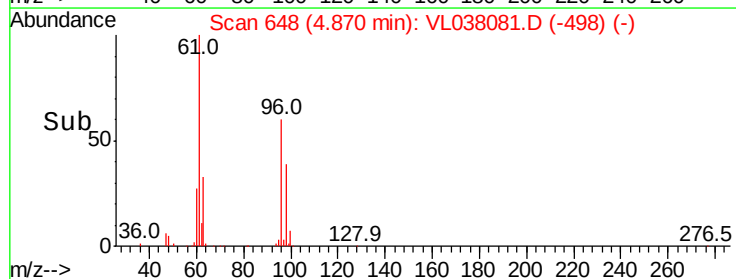
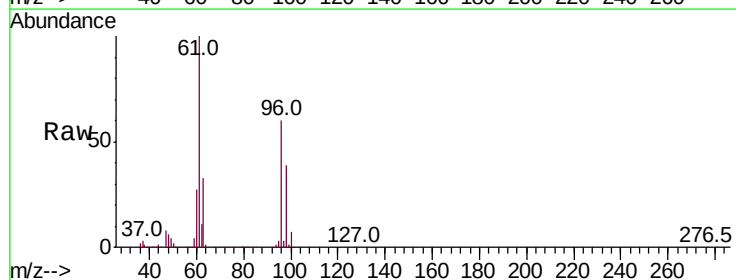
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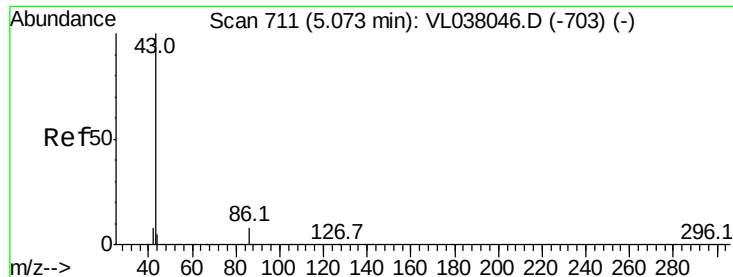
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#22
 trans-1,2-Dichloroethene
 Concen: 9.791 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion: 96 Resp: 399809
 Ion Ratio Lower Upper
 96 100
 61 166.4 131.6 197.4
 98 64.5 48.4 72.6





#23

Vinyl Acetate

Concen: 9.868 ppbv

RT: 5.06

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

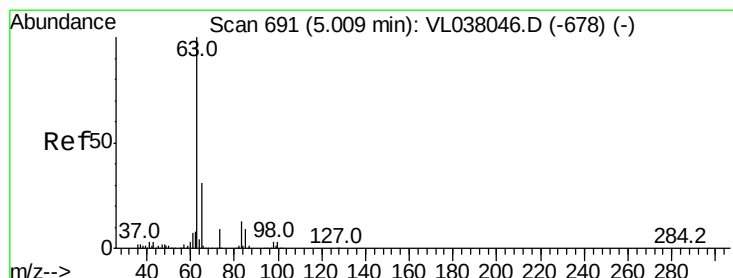
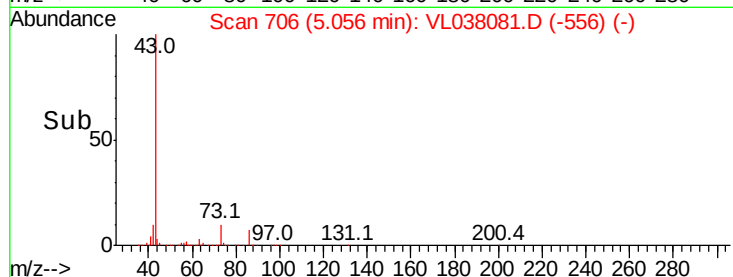
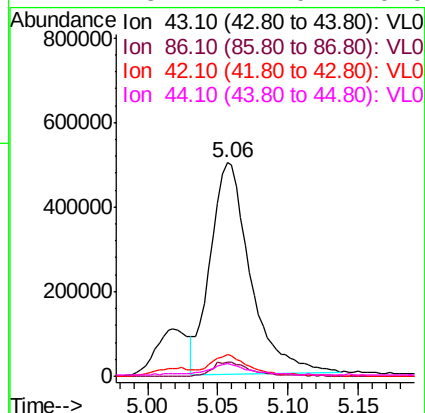
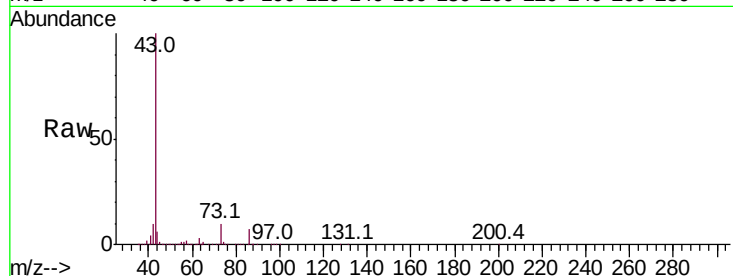
Tot Ion: 43.10 (42.80 to 43.80): VL0

Ion Ratio

Ion	Ratio	Lower	Upper
43	100		
86	6.		
42	9.		
44	5.4	4.0	6.0

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



#24

1,1-Dichloroethane

Concen: 10.010 ppbv

RT: 5.00 min Scan# 688

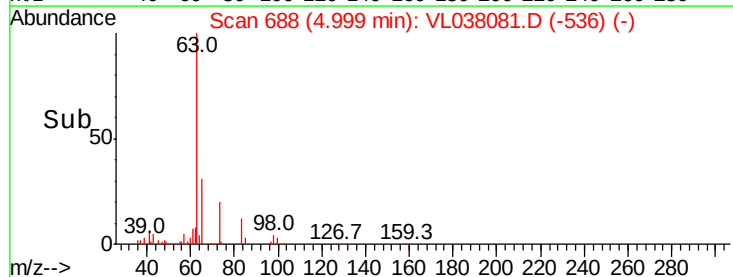
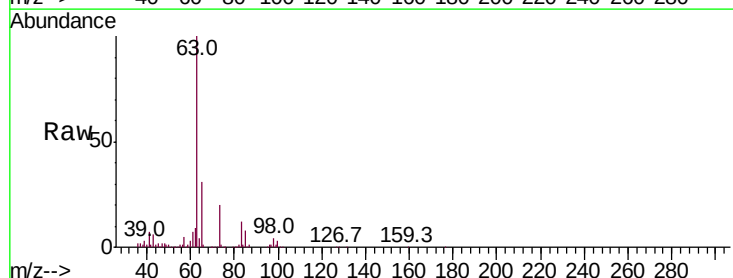
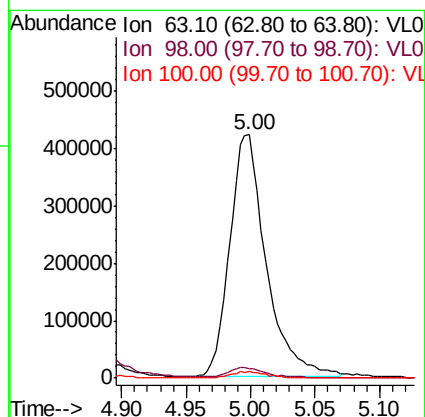
Delta R.T. -0.01 min

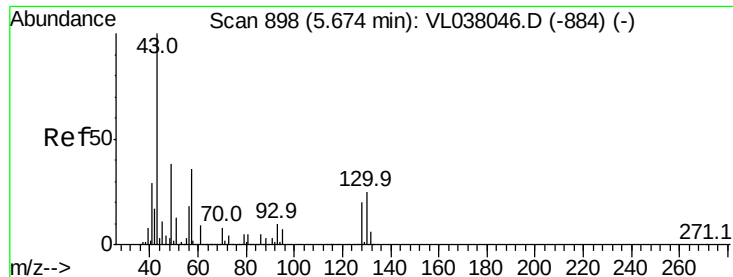
Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

Tgt Ion: 63 Resp: 827402

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.8	5.4
100	2.6	1.4	4.0



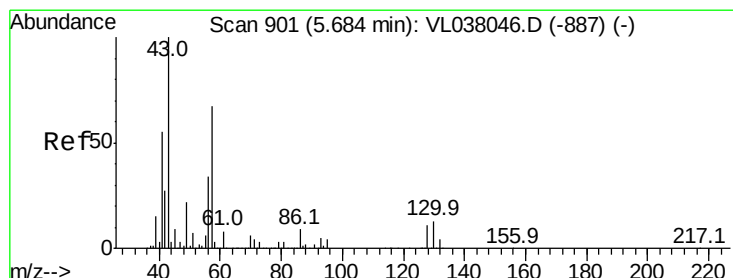
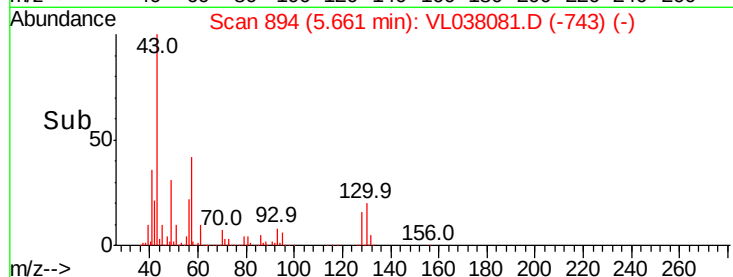
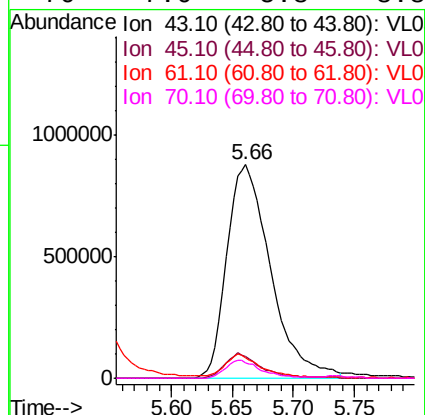
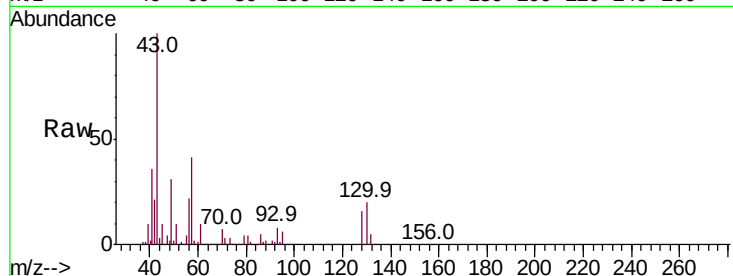


#25
Ethyl Acetate
Concen: 9.591 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1119ABS01
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Ratio
43 100
45 10.
61 10.
70 7.0 5.8 8.8

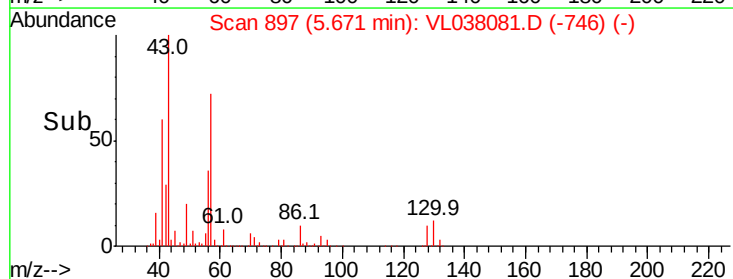
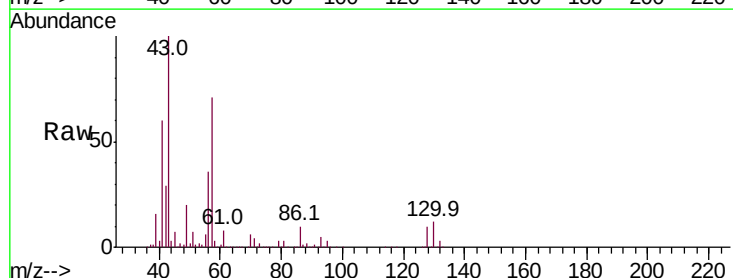
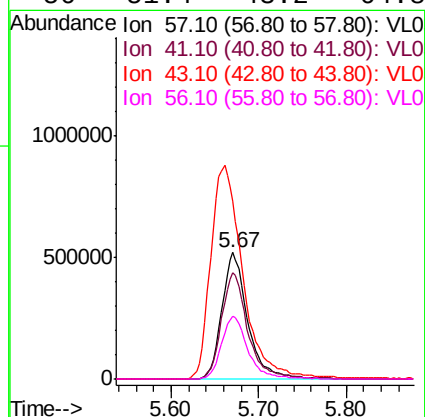
Manual Integrations
APPROVED

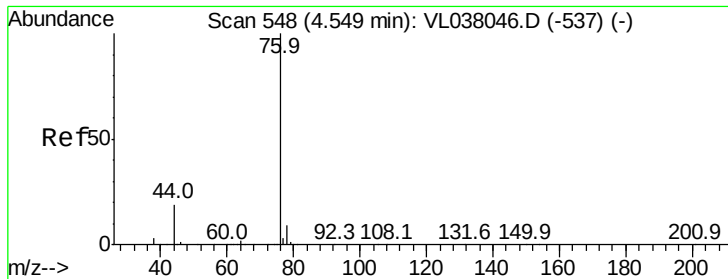
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#26
Hexane
Concen: 9.670 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 57 Resp: 1062174
Ion Ratio Lower Upper
57 100
41 86.4 71.4 107.2
43 210.3 174.6 261.8
56 51.4 43.2 64.8





#27

Carbon Disulfide

Concen: 10.135 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1119ABS01

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

76 100

44 20.

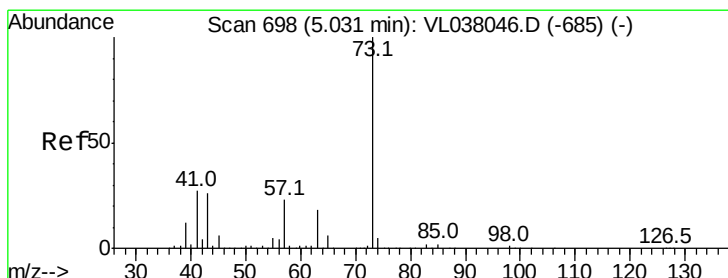
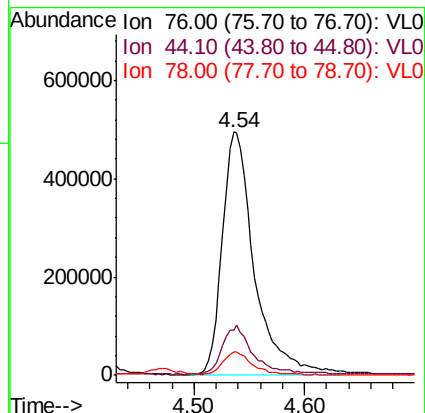
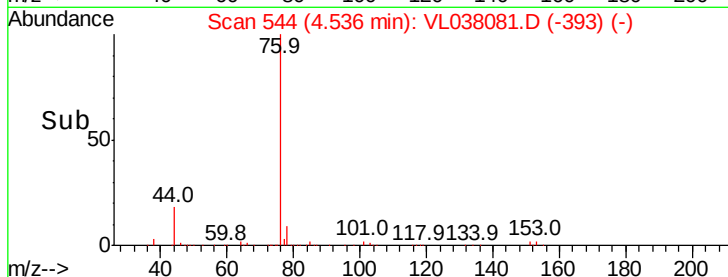
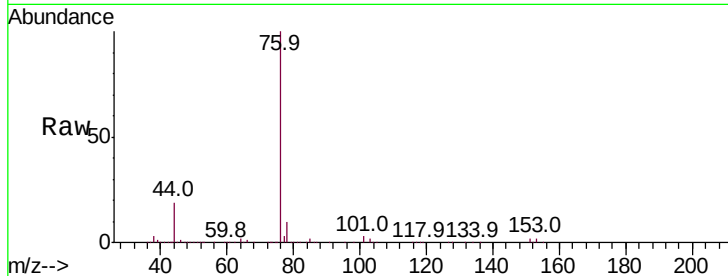
78 9.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#28

Methyl tert-Butyl Ether

Concen: 9.770 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL038081.D

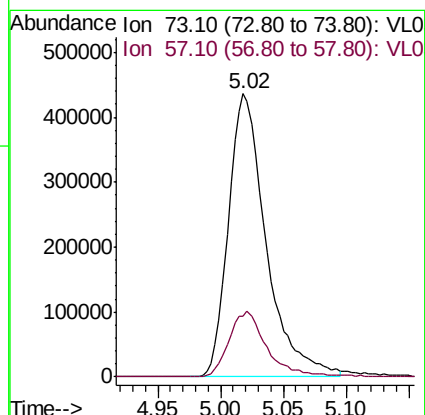
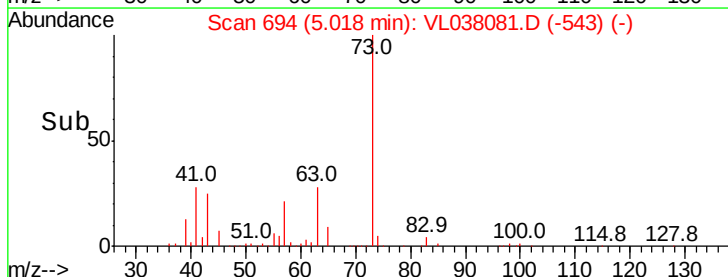
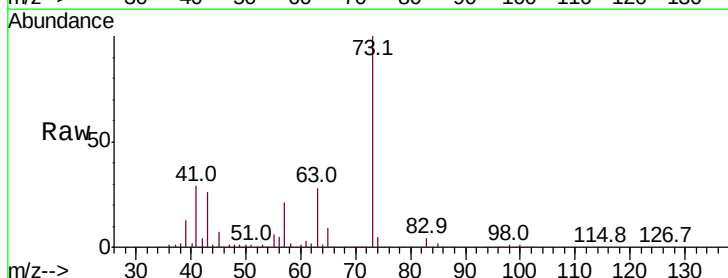
Acq: 19 Nov 2021 12:23

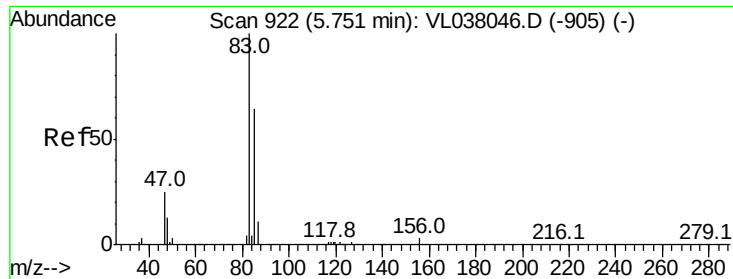
Tgt Ion: 73 Resp: 911591

Ion Ratio Lower Upper

73 100

57 23.6 19.0 28.4



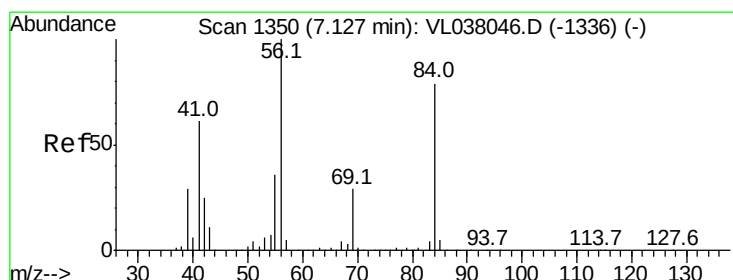
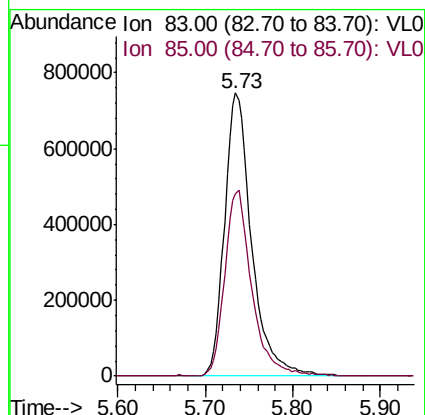
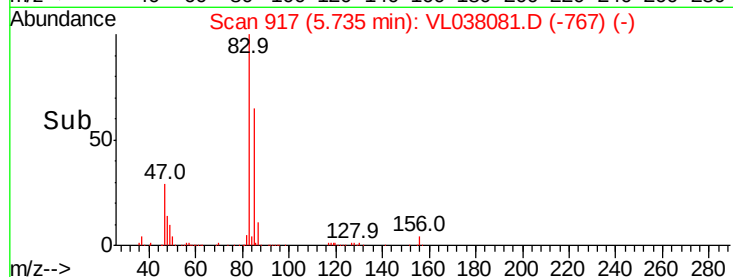
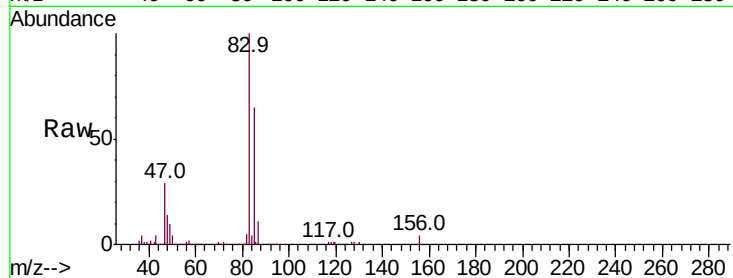


#29
Chloroform
Concen: 9.925 ppbv
RT: 5.73
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Rati
83 100
85 64.

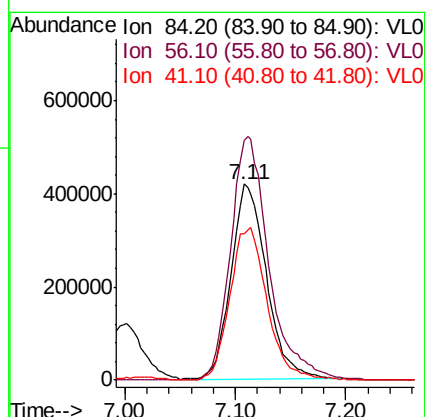
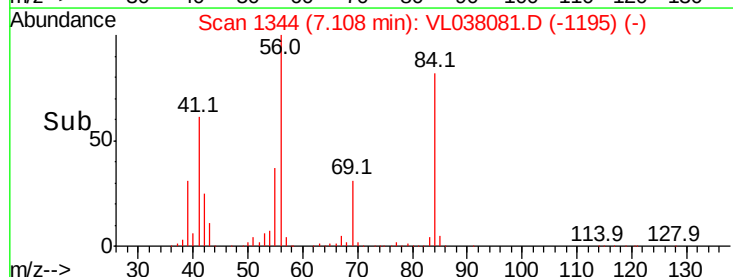
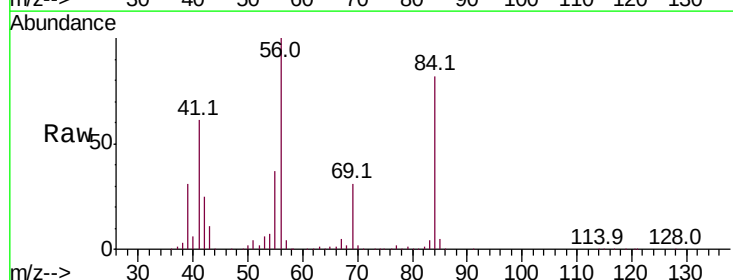
Manual Integrations
APPROVED

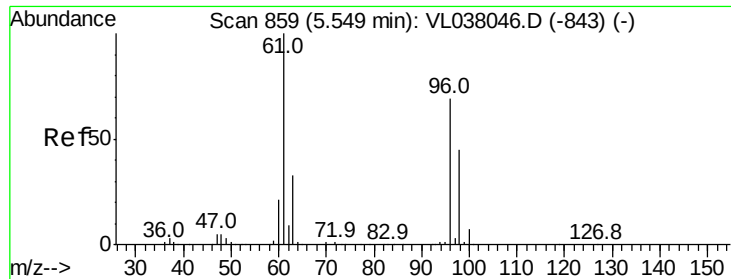
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#30
Cyclohexane
Concen: 9.381 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.02 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 84 Resp: 935487
Ion Ratio Lower Upper
84 100
56 135.6 108.1 162.1
41 81.9 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 10.131 ppbv

RT: 5.53

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

61 100

96 66.

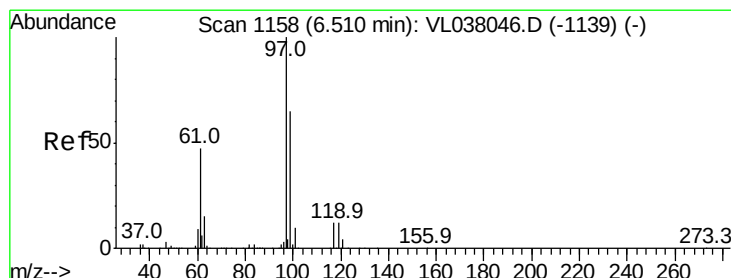
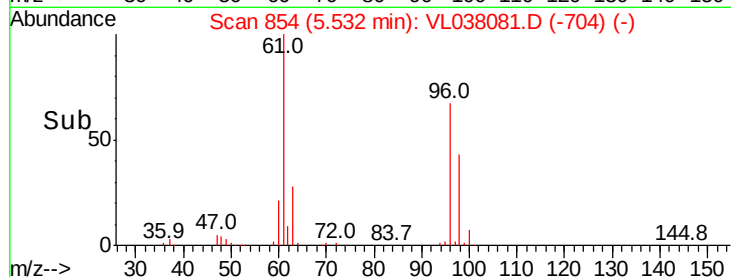
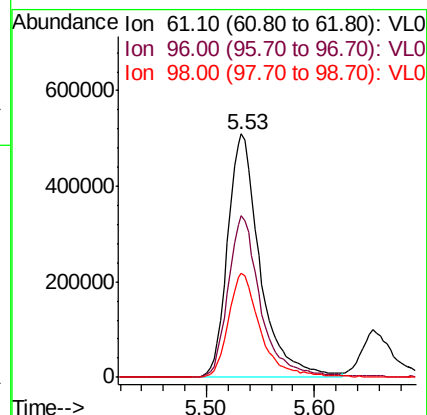
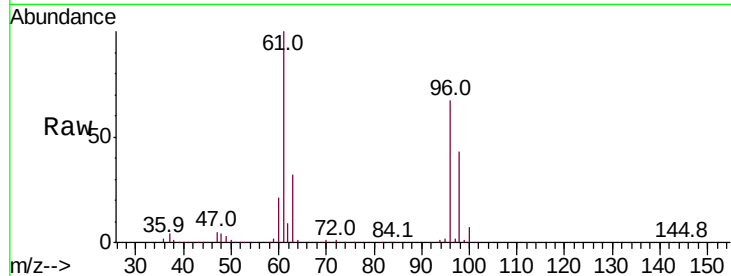
98 42.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#32

1,1,1-Trichloroethane

Concen: 9.855 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

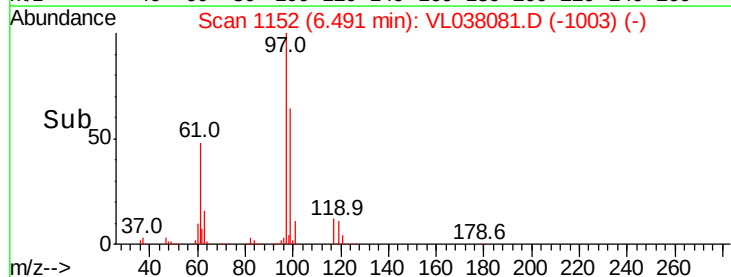
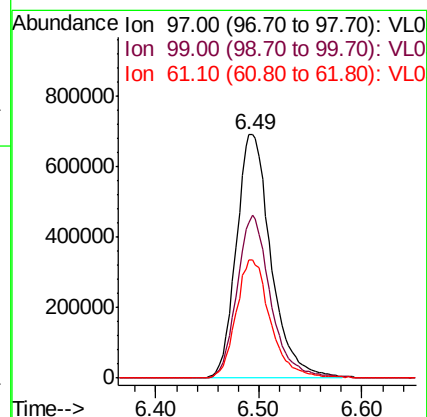
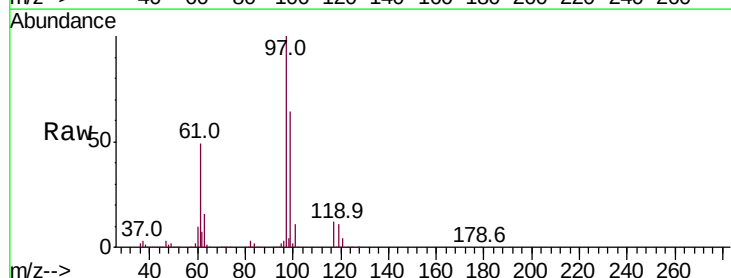
Tgt Ion: 97 Resp: 1619145

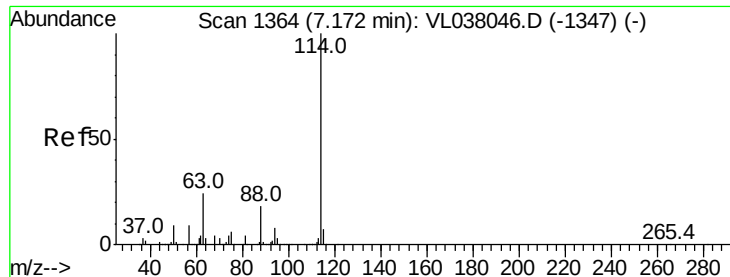
Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.4

61 48.6 37.7 56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16

Instrument: MSVOA_1

Delta R.T.:

Client SampleId: VL1119ABS01

Lab File:

Acq: 19 Nov 2021 12:23

Tot Ion: 1

Ion Ratio

114 100

63 25.

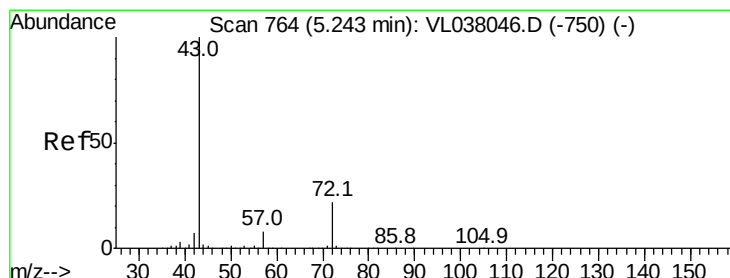
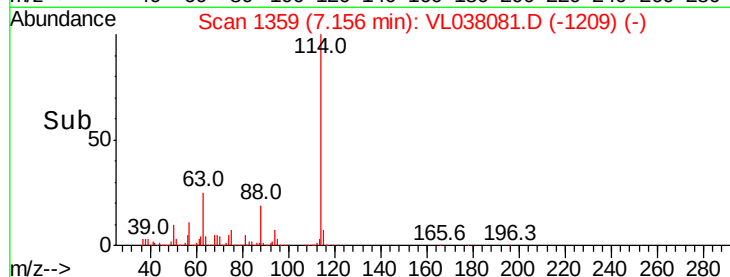
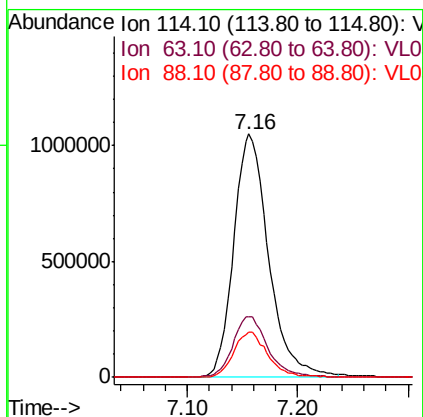
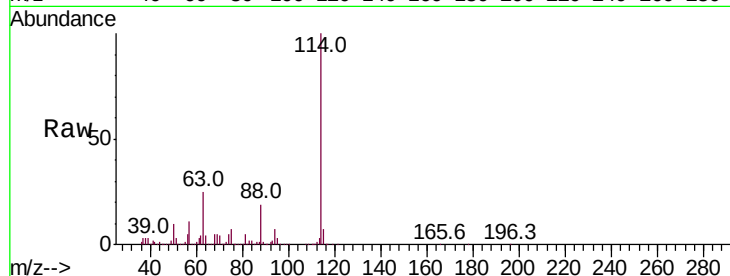
88 18.

Manual Integrations

APPROVED

Reviewed By: Semsettin Yesilyurt 11/25/2021

Supervised By: Mahesh Dadoda 11/29/2021



#34

2-Butanone

Concen: 10.378 ppbv

RT: 5.23 min Scan# 759

Delta R.T. -0.02 min

Lab File: VL038081.D

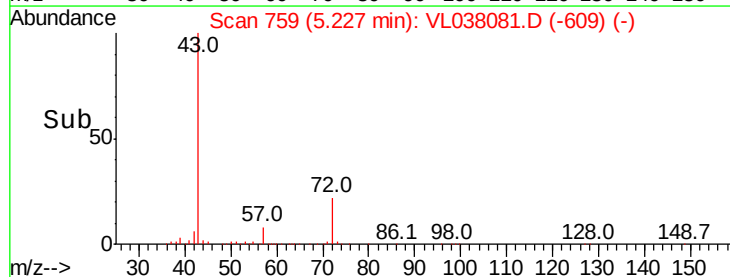
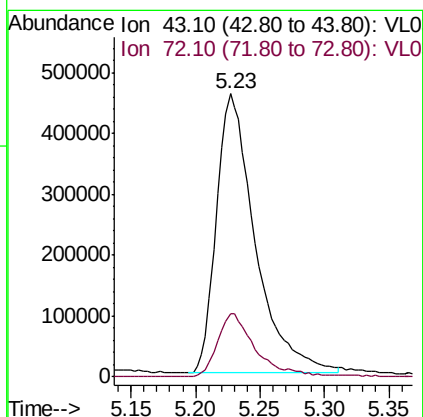
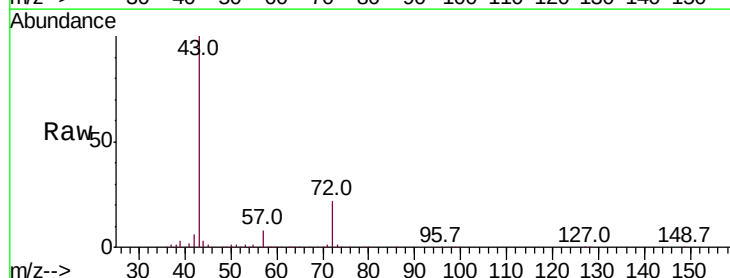
Acq: 19 Nov 2021 12:23

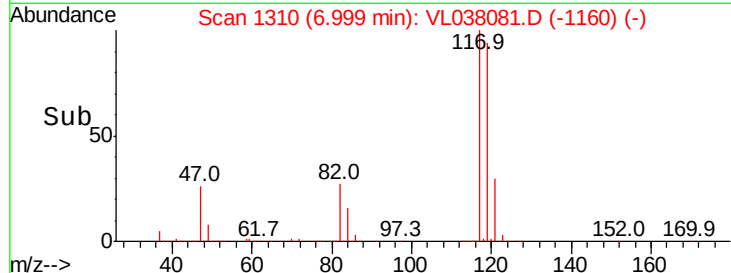
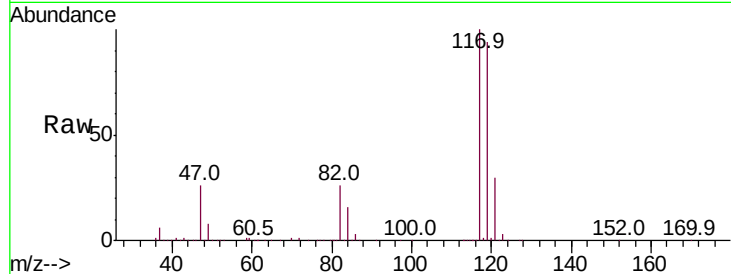
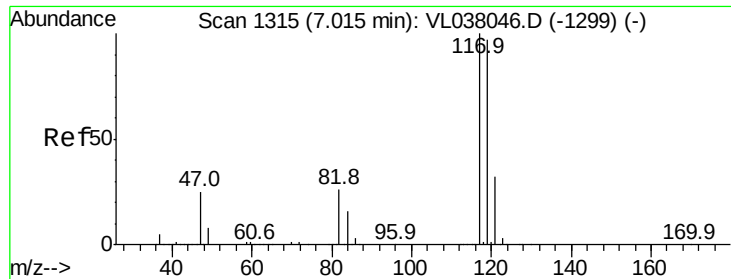
Tgt Ion: 43 Resp: 964419

Ion Ratio Lower Upper

43 100

72 23.1 18.8 28.2



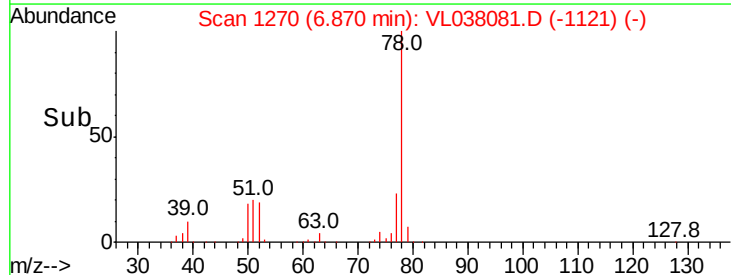
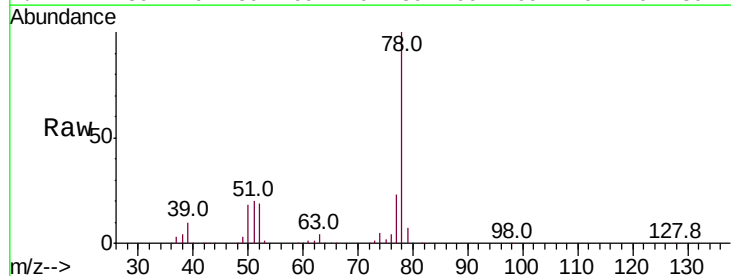
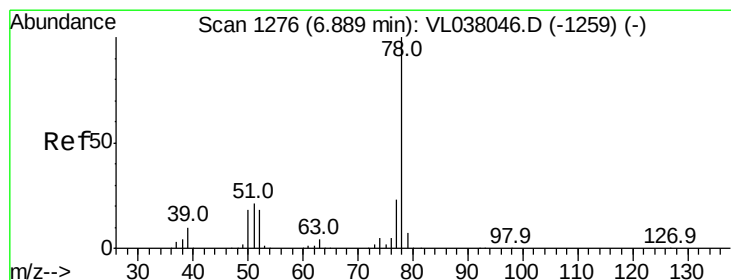
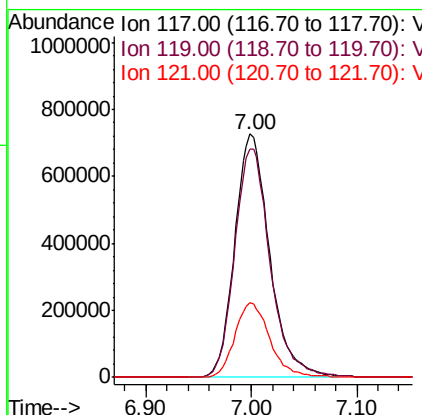


#35
Carbon Tetrachloride
Concen: 10.279 ppbv
RT: 7.00
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: VL1119ABS01
Acq: 19 Nov 2021 12:23

Tot Ion:1
Ion Rati
117 100
119 93.
121 30.

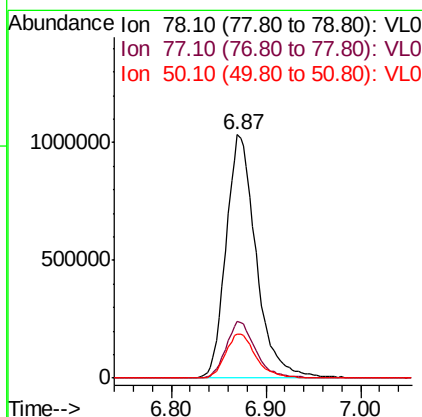
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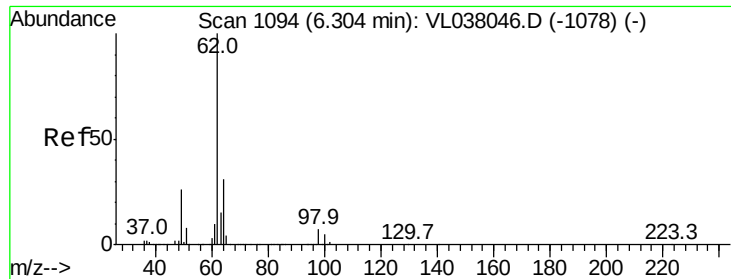
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#36
Benzene
Concen: 9.927 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 78 Resp: 2282031
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.4
50 18.2 14.7 22.1





#37

1,2-Dichloroethane

Concen: 10.824 ppbv

RT: 6.29

Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1119ABS01

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

62 100

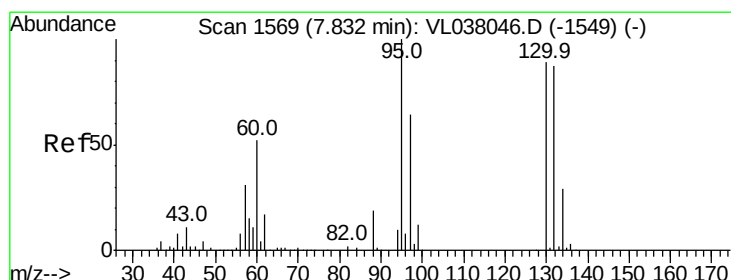
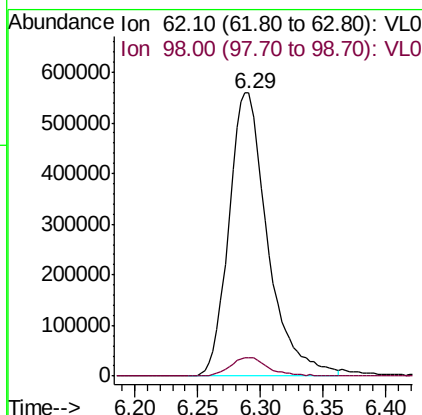
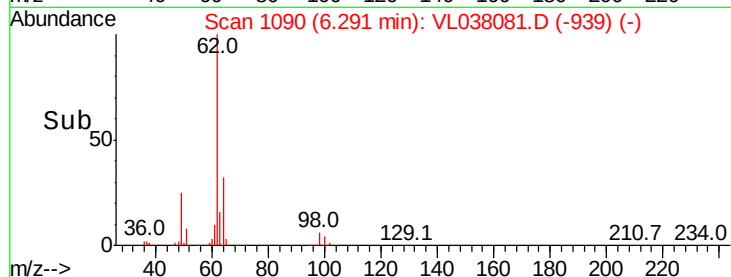
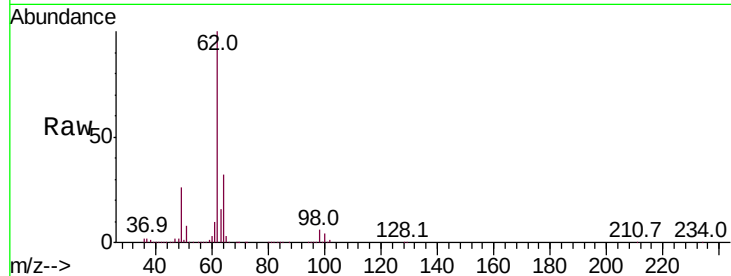
98 6.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#38

Trichloroethene

Concen: 9.469 ppbv

RT: 7.82 min Scan# 1564

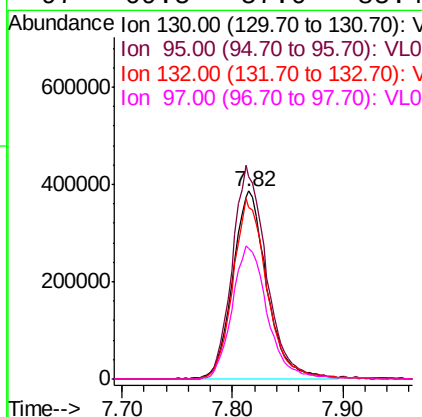
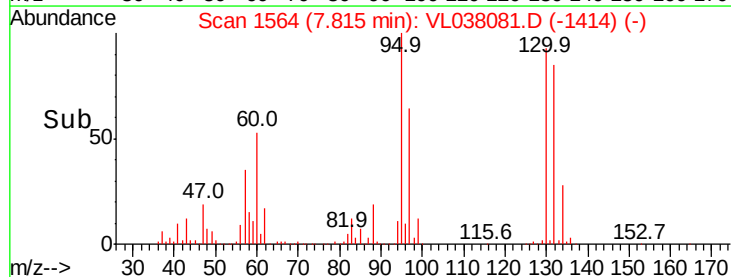
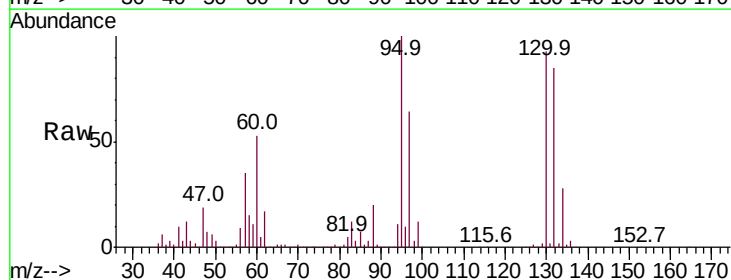
Delta R.T. -0.02 min

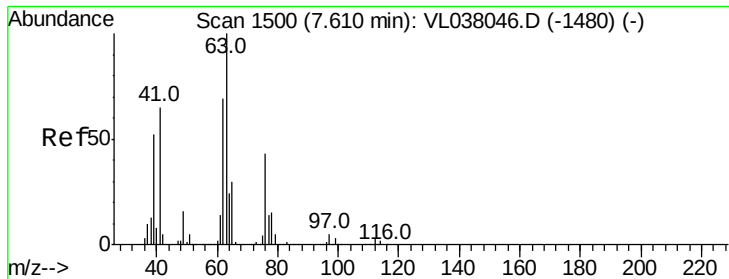
Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

Tgt Ion:130 Resp: 821088

Ion	Ratio	Lower	Upper
130	100		
95	108.2	89.4	134.2
132	91.7	78.2	117.2
97	69.5	57.0	85.4



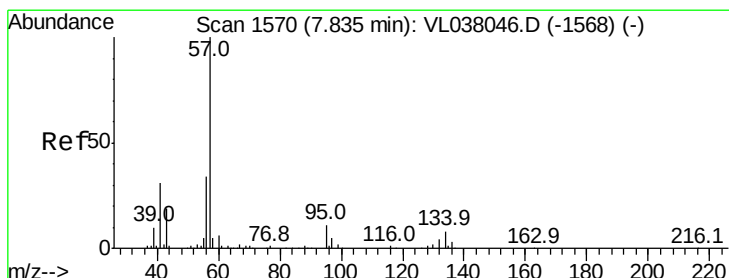
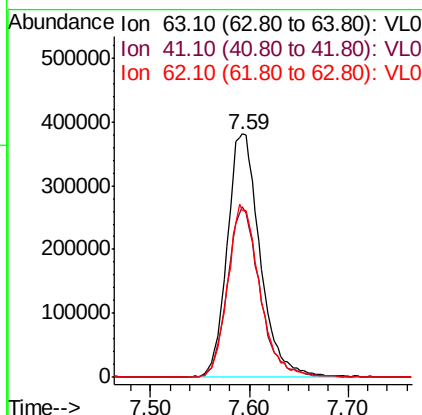
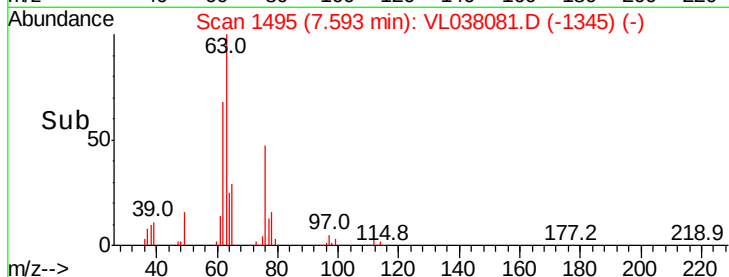
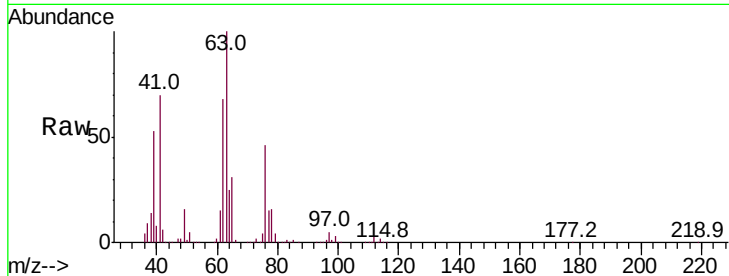


#39
 1,2-Dichloropropane
 Concen: 10.028 ppbv
 RT: 7.59
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VL1119ABS01
 Acq: 19 Nov 2021 12:23

Tot Ion:
 Ion Ratio
 63 100
 41 70.
 62 68.

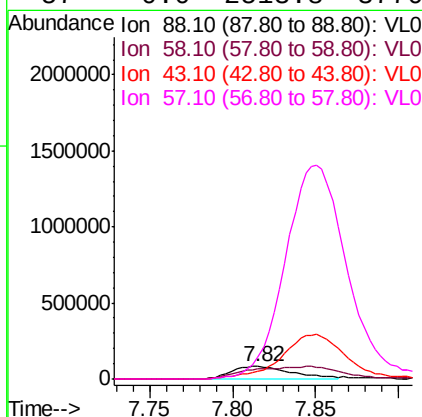
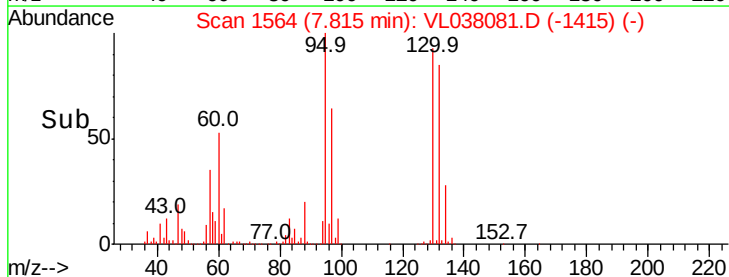
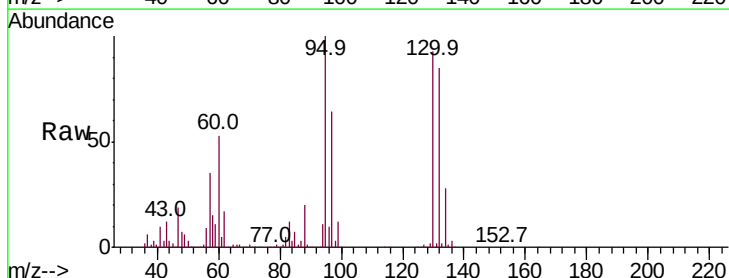
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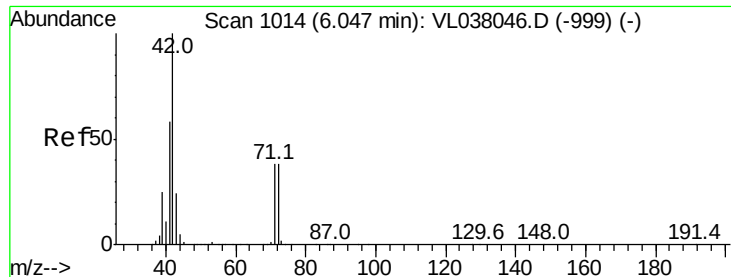
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#40
 1,4-Dioxane
 Concen: 8.933 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.02 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion: 88 Resp: 205227
 Ion Ratio Lower Upper
 88 100
 58 0.0 229.2 343.8#
 43 0.0 553.3 829.9#
 57 0.0 2513.8 3770.8#





#41

Tetrahydrofuran

Concen: 9.826 ppbv

RT: 6.03

Delta R.T. MSVOA_L

Lab File:

Acq: 19 Nov 2021 12:23

ClientSampleId :

VL1119ABS01

Tot Ion:

Ion Ratio

42 100

72 39.

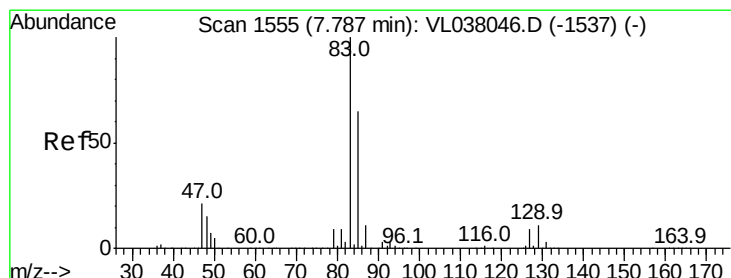
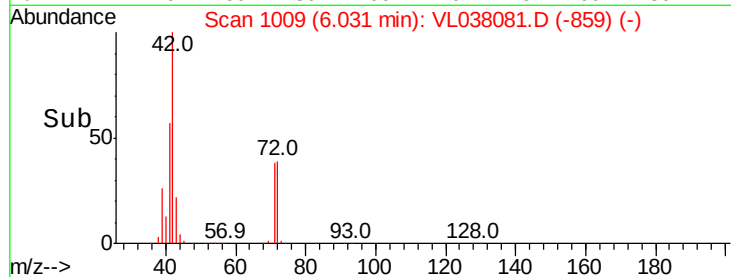
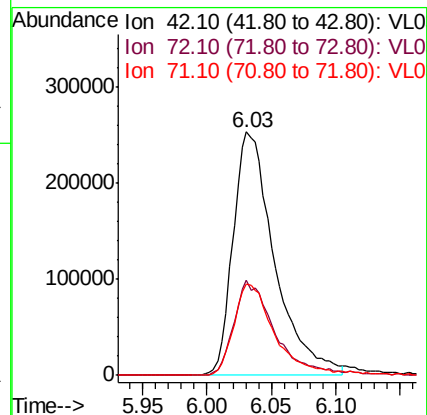
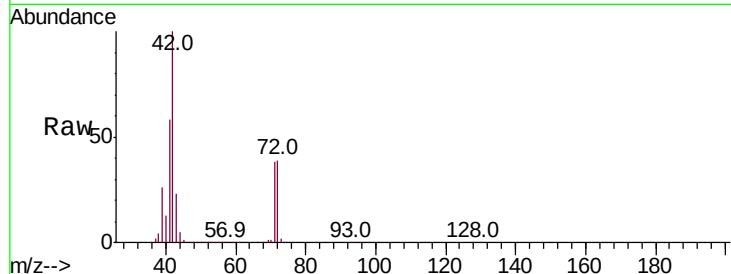
71 37.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#42

Bromodichloromethane

Concen: 10.370 ppbv

RT: 7.77 min Scan# 1550

Delta R.T. -0.02 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

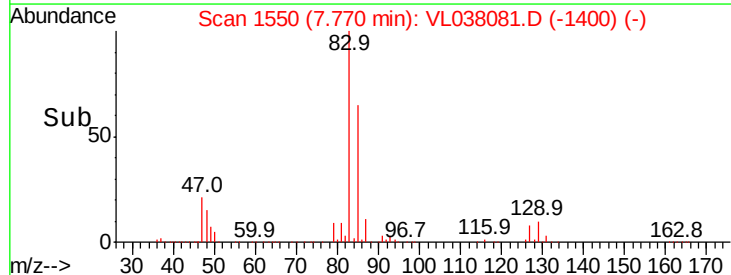
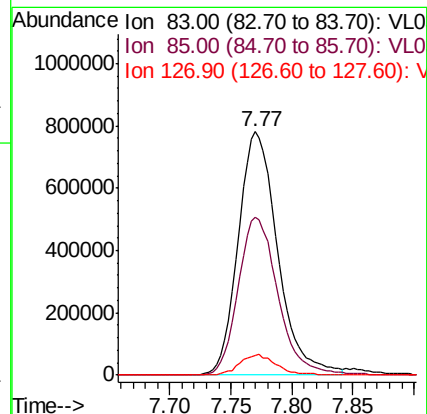
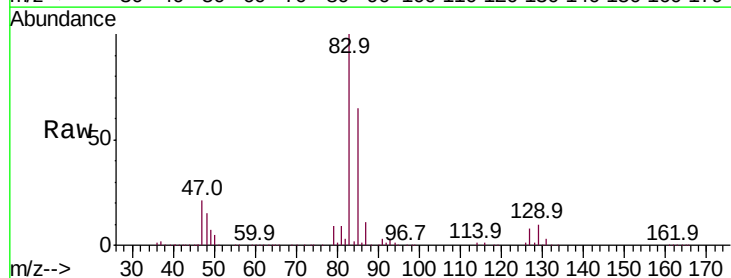
Tgt Ion: 83 Resp: 1750337

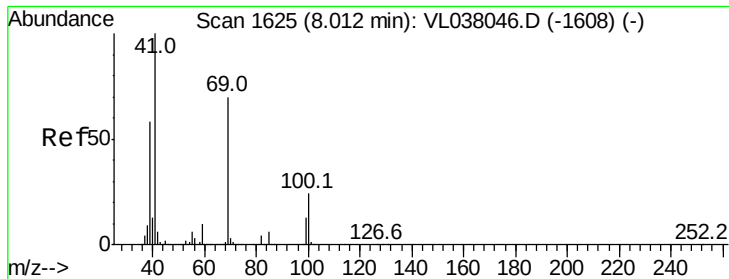
Ion Ratio Lower Upper

83 100

85 65.1 51.9 77.9

127 7.8 6.8 10.2



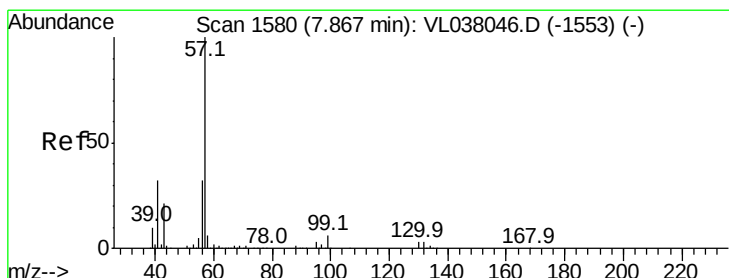
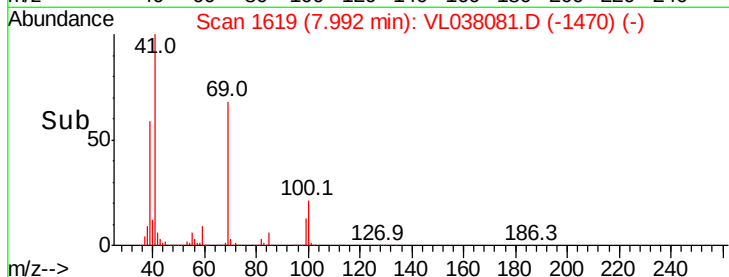
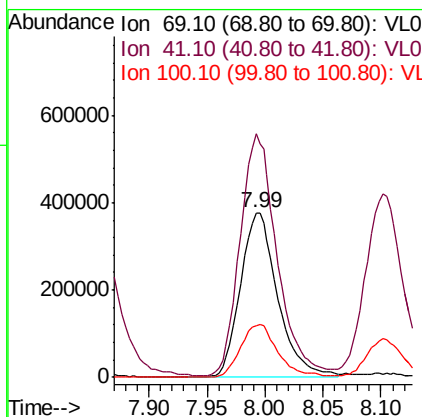
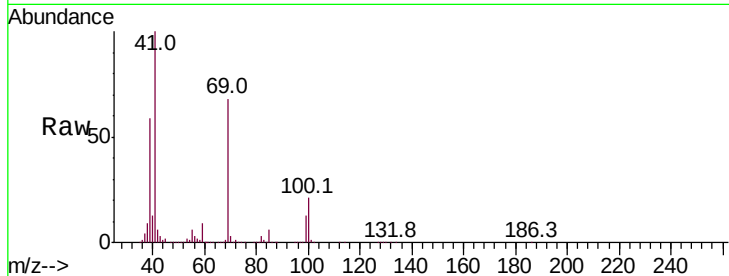


#43
Methvl Methacrylate
Concen: 10.750 ppbv
RT: 7.99
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId : VL1119ABS01
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Ratio
69 100
41 146.
100 32.

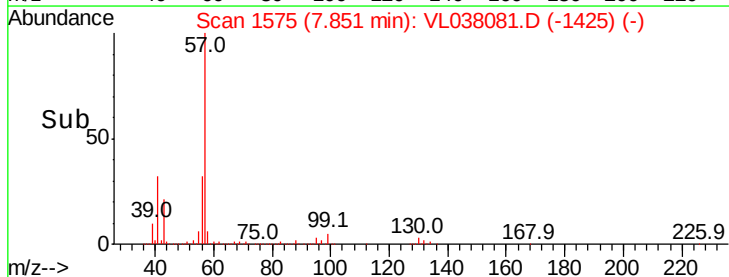
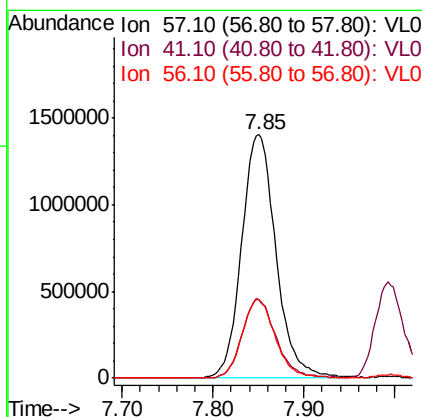
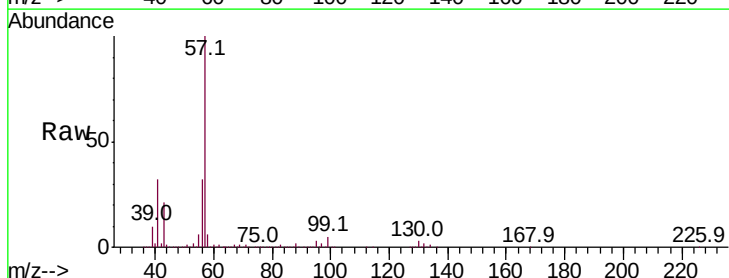
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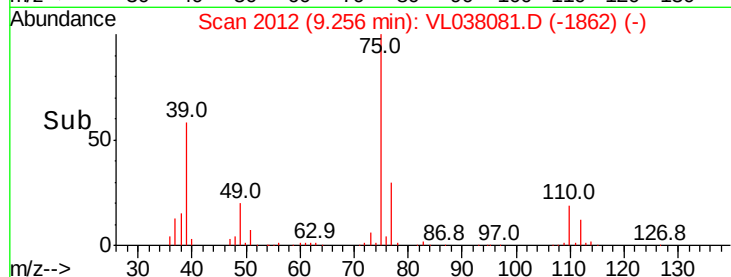
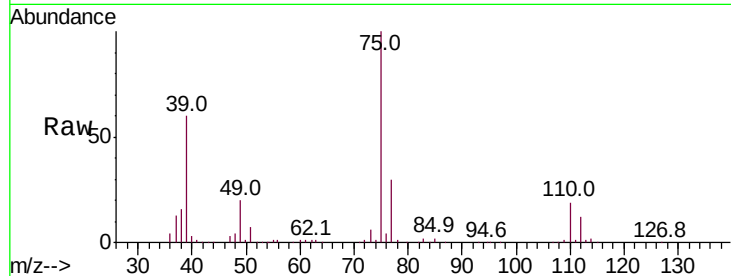
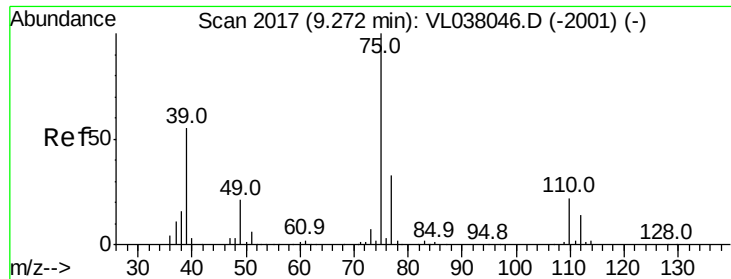
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#44
2,2,4-Trimethylpentane
Concen: 9.581 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 57 Resp: 3685134
Ion Ratio Lower Upper
57 100
41 32.0 25.8 38.6
56 31.5 25.6 38.4



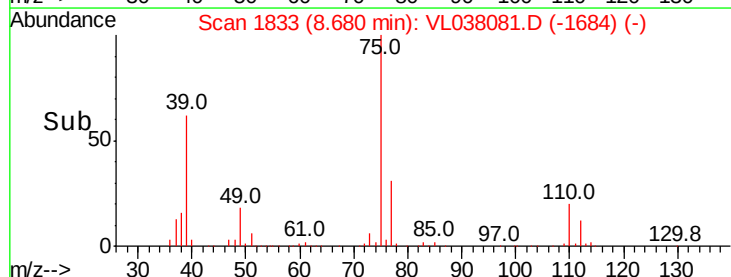
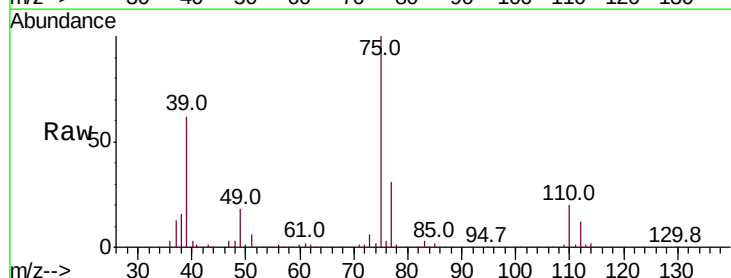
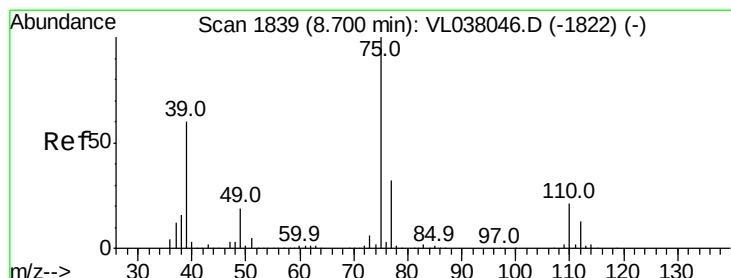
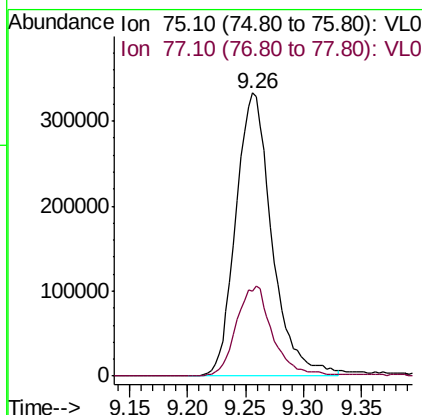


#45
t-1,3-Dichloropropene
Concen: 11.427 ppbv
RT: 9.26
Instrument : MSVOA_1
Delta R.T. :
ClientSampleId :
Lab File: VL1119ABS01
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Rati
75 100
77 29.

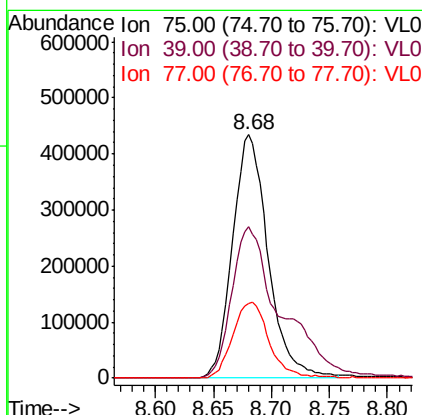
Manual Integrations
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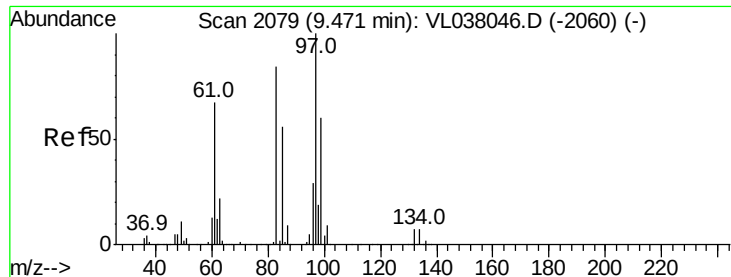
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#46
cis-1,3-Dichloropropene
Concen: 10.803 ppbv
RT: 8.68 min Scan# 1833
Delta R.T. -0.02 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 75 Resp: 921793
Ion Ratio Lower Upper
75 100
39 62.0 47.8 71.8
77 30.8 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 9.781 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VL1119ABS01

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

97 100

83 90.

85 57.

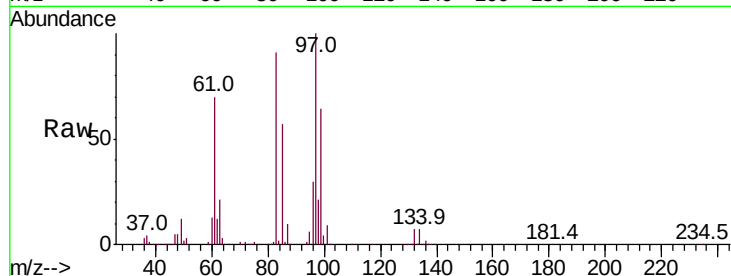
99 64.1 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 97.00 (96.70 to 97.70): VL0

600000 Ion 83.00 (82.70 to 83.70): VL0

500000 Ion 85.00 (84.70 to 85.70): VL0

400000 Ion 99.00 (98.70 to 99.70): VL0

300000

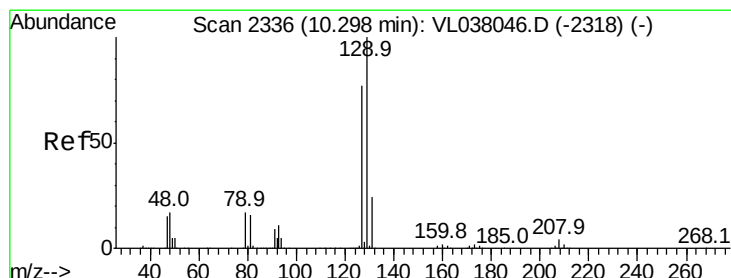
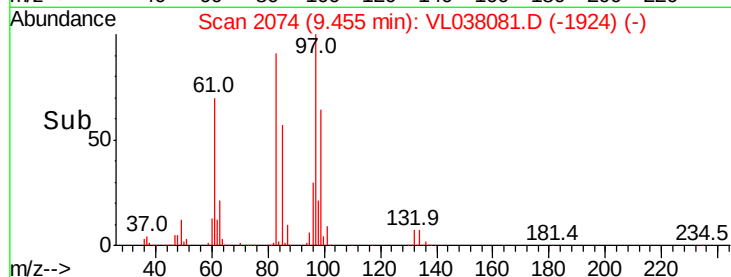
200000

100000

0

9.40 9.50

Time-->



#48

Dibromochloromethane

Concen: 10.401 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. -0.02 min

Lab File: VL038081.D

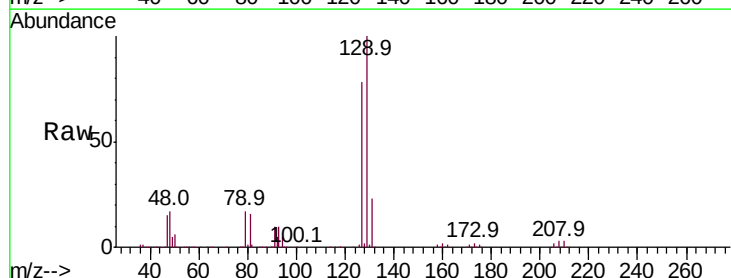
Acq: 19 Nov 2021 12:23

Tgt Ion:129 Resp: 1462839

Ion Ratio Lower Upper

129 100

127 80.3 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

600000

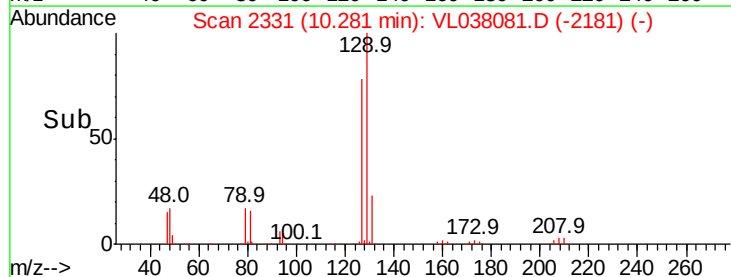
400000

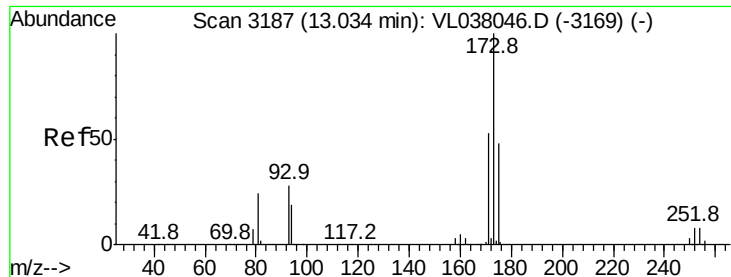
200000

0

10.20 10.30

Time-->





#49

Bromoform

Concen: 10.590 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:1

Ion Ratio

173 100

175 49.

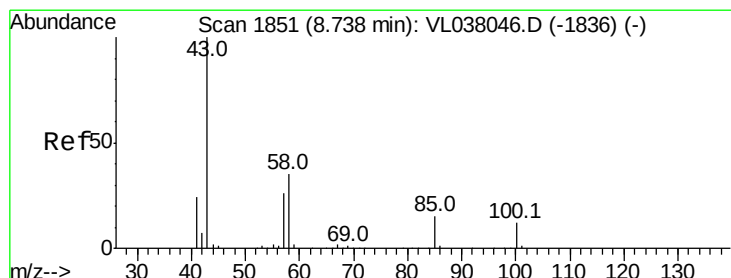
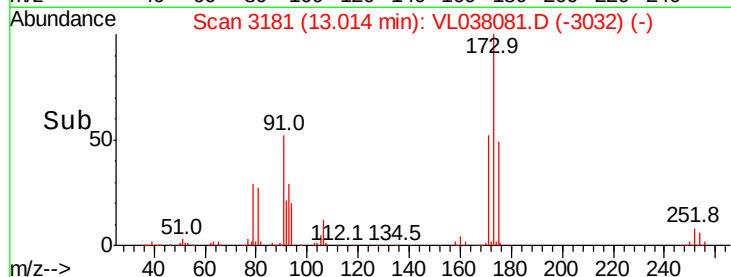
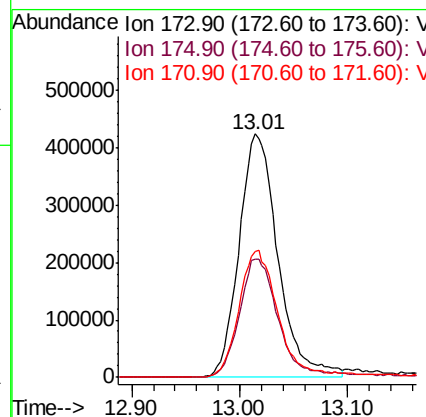
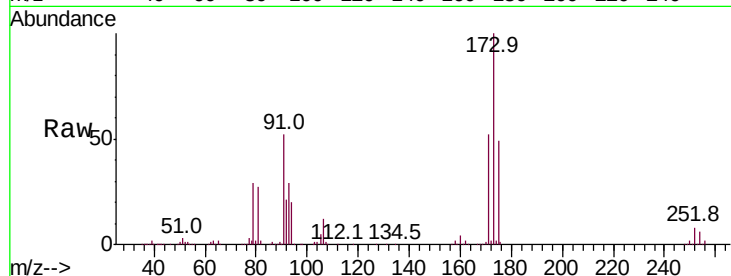
171 54.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#50

4-Methyl-2-Pentanone

Concen: 10.417 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.02 min

Lab File: VL038081.D

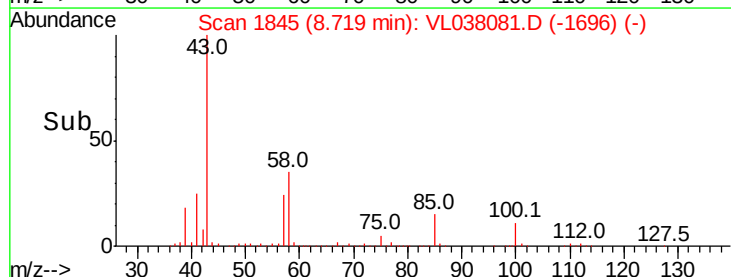
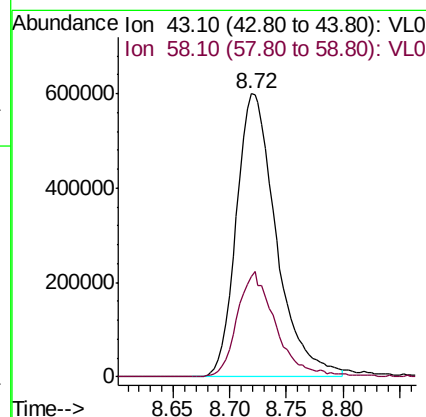
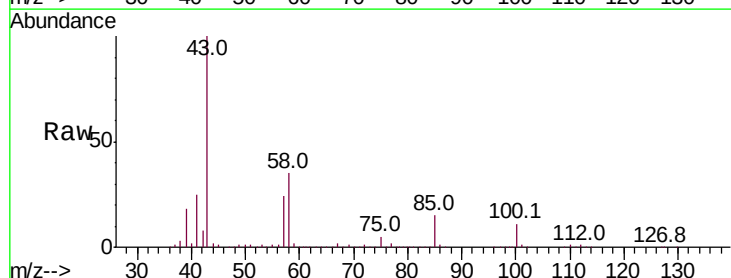
Acq: 19 Nov 2021 12:23

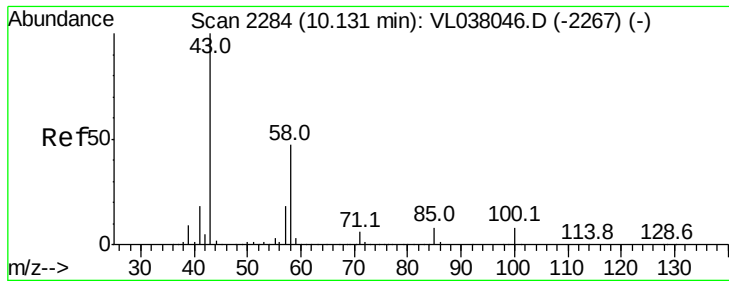
Tgt Ion: 43 Resp: 1470049

Ion Ratio Lower Upper

43 100

58 36.4 29.4 44.2





#51

2-Hexanone

Concen: 10.230 ppbv

RT: 10.11

Delta R.T. MSVOA_L

Lab File: ClientSampled :

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

43 100

58 51.

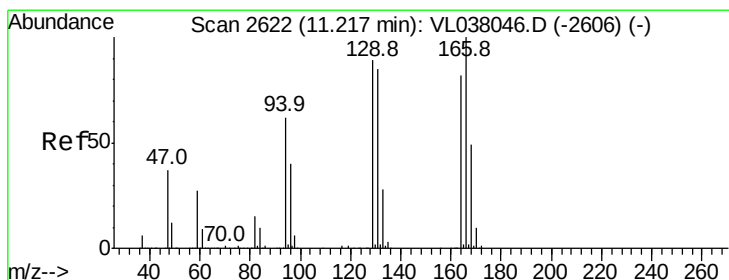
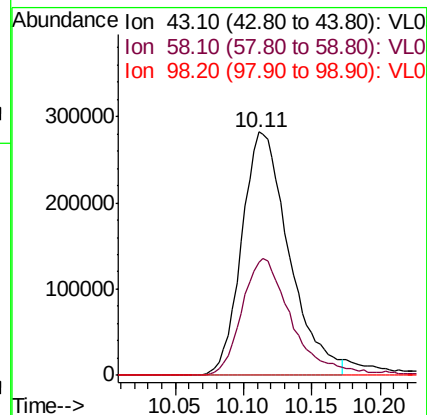
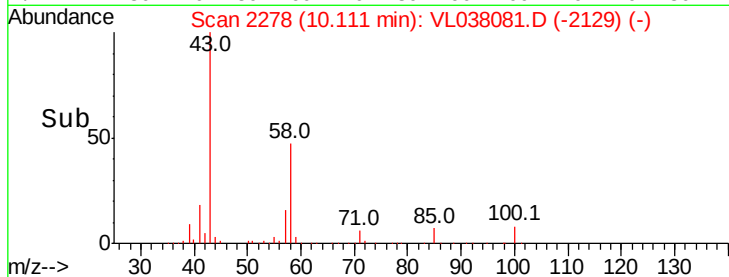
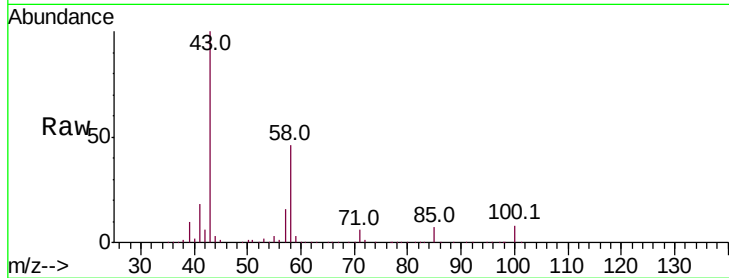
98 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#52

Tetrachloroethene

Concen: 8.721 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.02 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

Tgt Ion:164 Resp: 741823

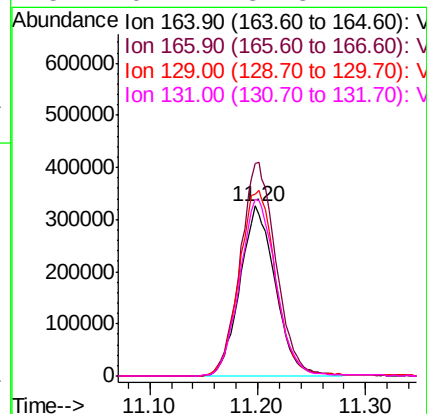
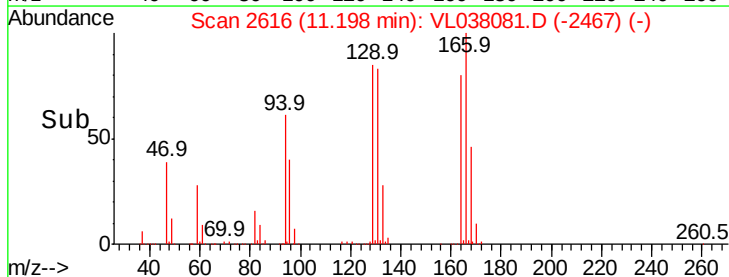
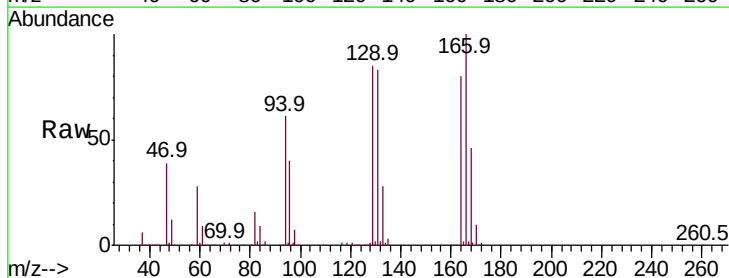
Ion Ratio Lower Upper

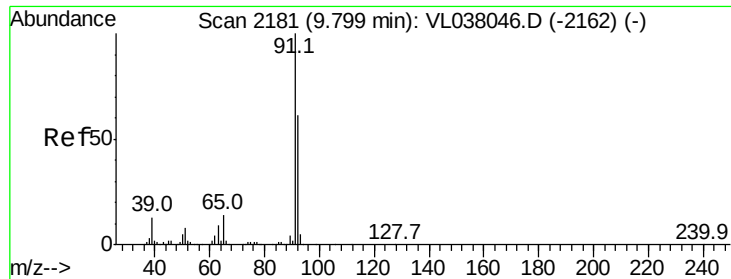
164 100

166 125.5 97.2 145.8

129 107.3 86.9 130.3

131 104.4 82.8 124.2



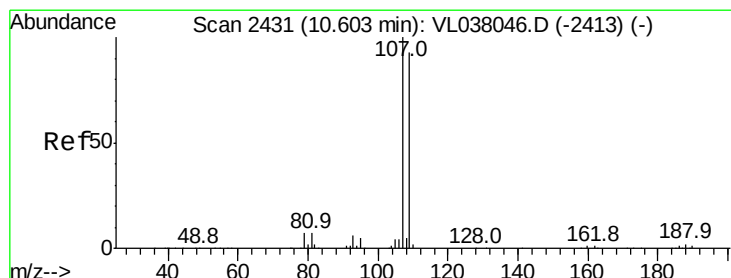
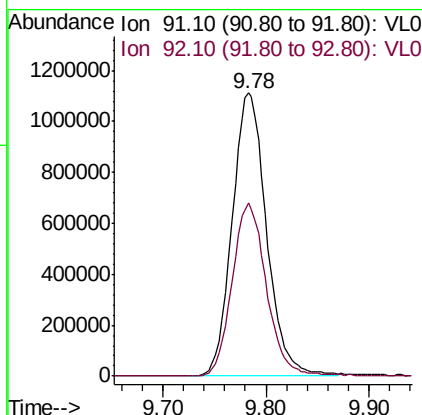
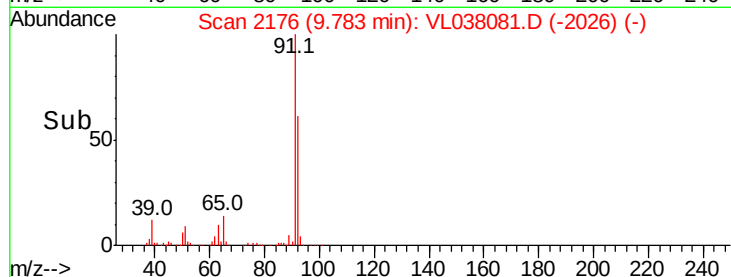
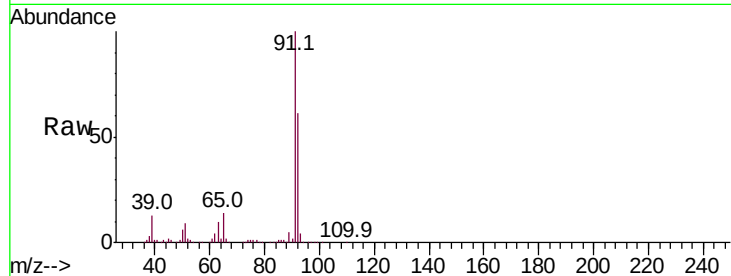


#53
Toluene
Concen: 9.753 ppbv
RT: 9.78
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 12:23

Tot Ion:
Ion Ratio
91 100
92 61.

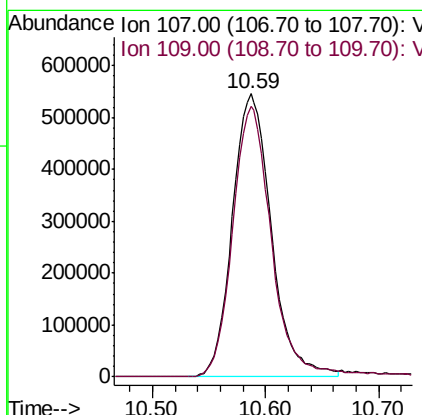
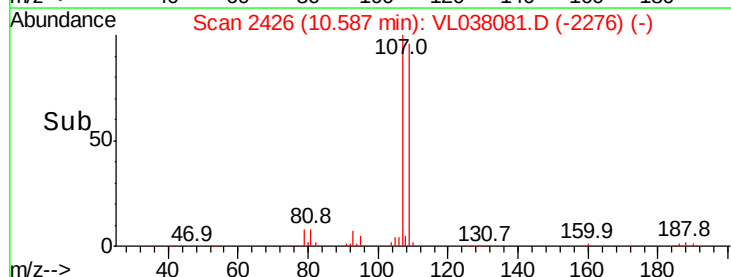
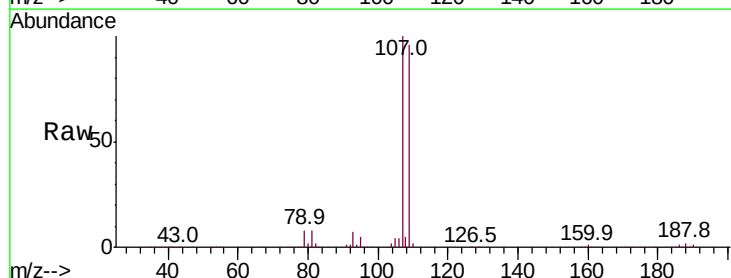
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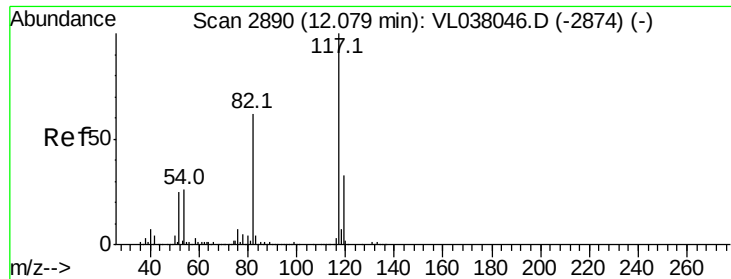
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#54
1,2-Dibromoethane
Concen: 10.049 ppbv
RT: 10.59 min Scan# 2426
Delta R.T. -0.02 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion:107 Resp: 1310935
Ion Ratio Lower Upper
107 100
109 95.6 74.6 111.8



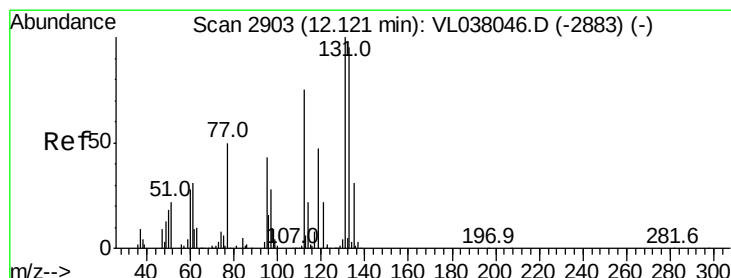
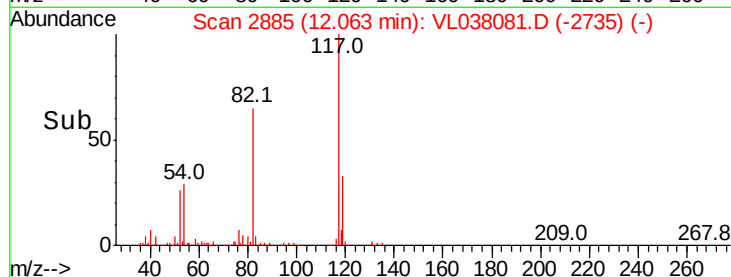
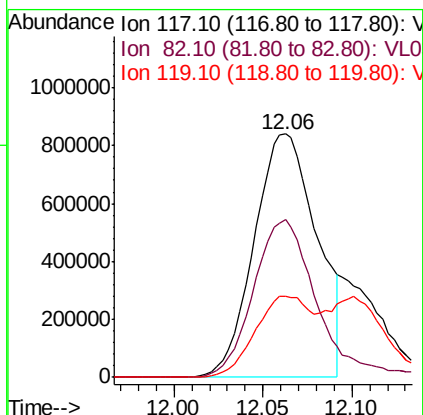
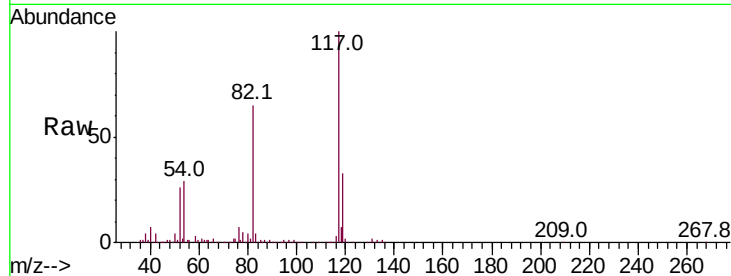


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VL1119ABS01
Acq: 19 Nov 2021 12:23

Tot Ion:1
Ion Rati
117 100
82 67.
119 31.

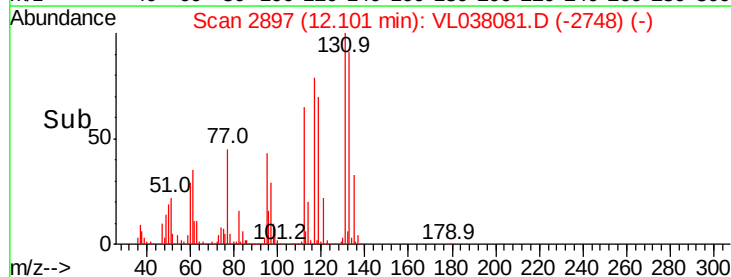
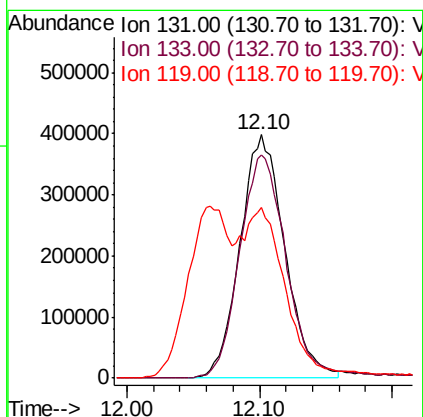
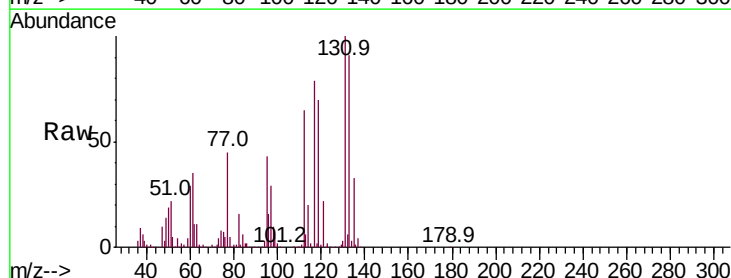
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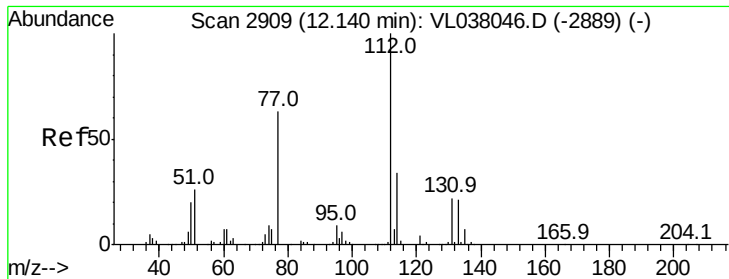
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 9.954 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion:131 Resp: 930469
Ion Ratio Lower Upper
131 100
133 99.0 78.8 118.2
119 75.0 56.3 84.5



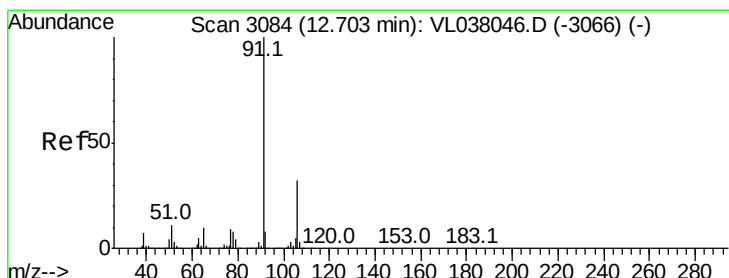
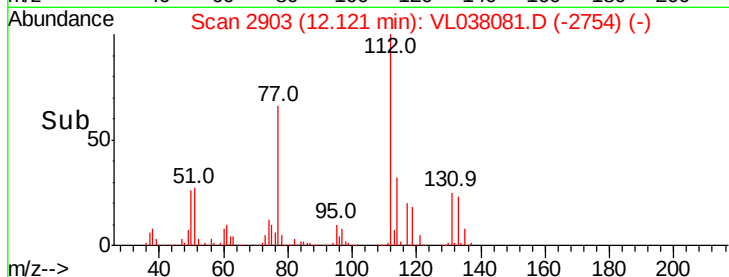
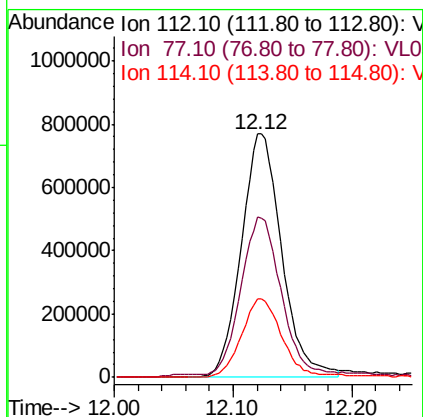
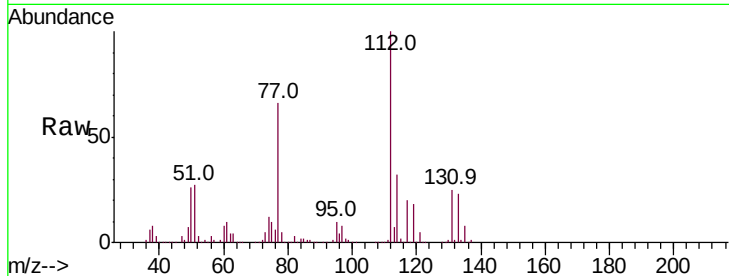


#57
Chlorobenzene
Concen: 9.790 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1119ABS01
Acq: 19 Nov 2021 12:23

Tot Ion: 1
Ion Ratio
112 100
77 64.
114 32.

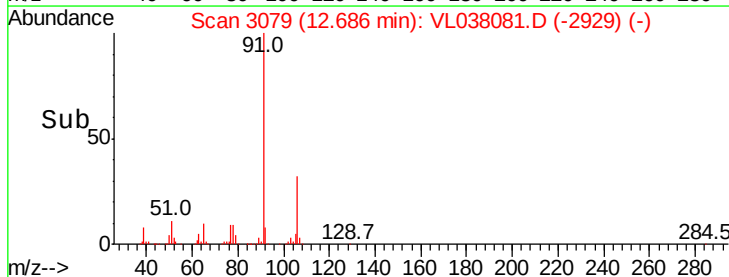
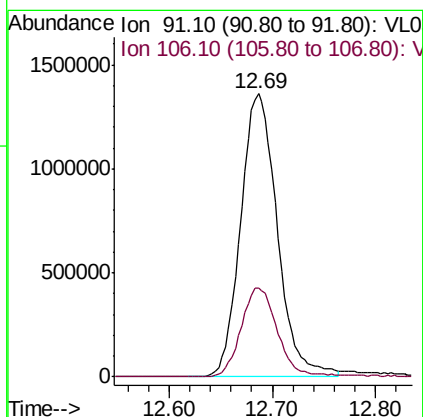
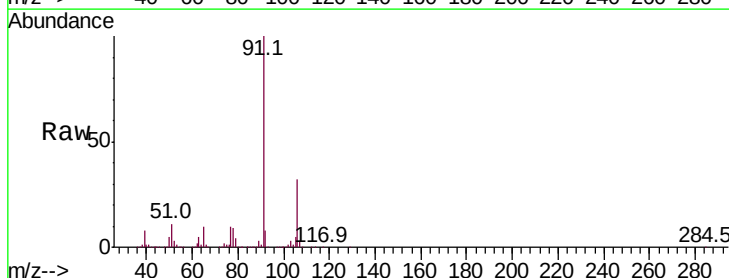
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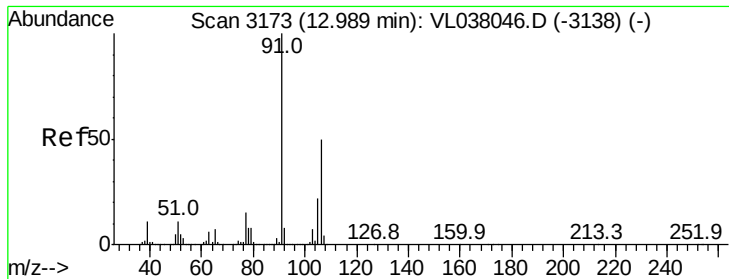
Reviewed By : Semsettin Yesilyurt 11/25/2021
Supervised By : Mahesh Dadoda 11/29/2021



#58
Ethyl Benzene
Concen: 9.890 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.02 min
Lab File: VL038081.D
Acq: 19 Nov 2021 12:23

Tgt Ion: 91 Resp: 3365851
Ion Ratio Lower Upper
91 100
106 31.6 25.8 38.6





#59

m/p-Xylene

Concen: 19.124 ppbv m

RT: 12.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

91 100

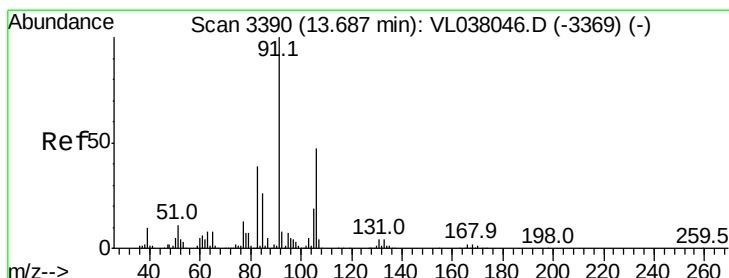
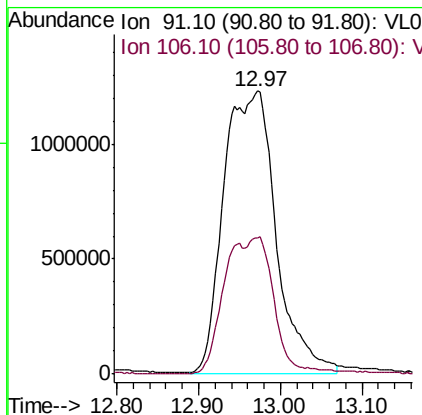
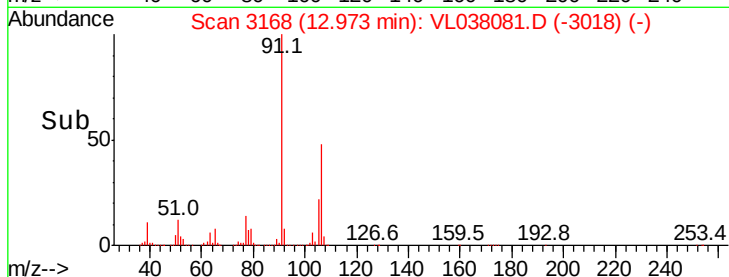
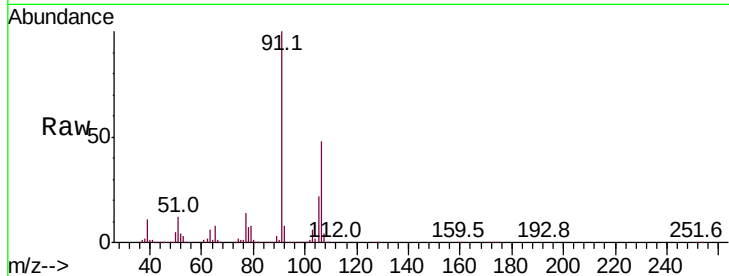
106 46.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#60

o-Xylene

Concen: 9.340 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VL038081.D

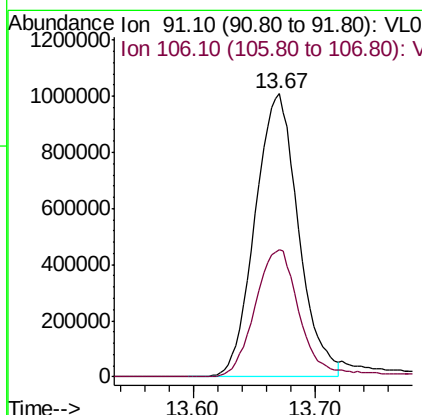
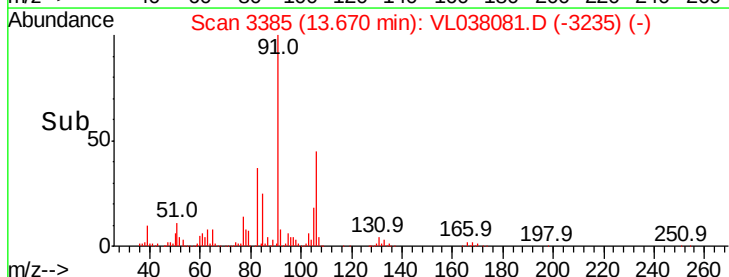
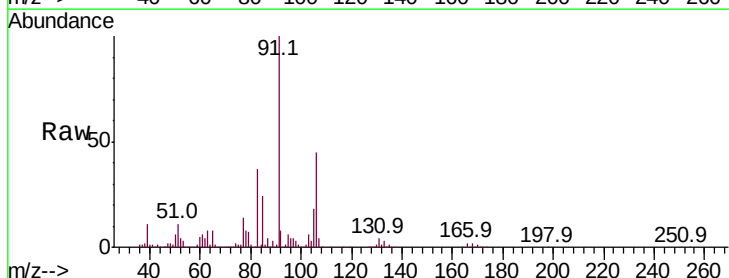
Acq: 19 Nov 2021 12:23

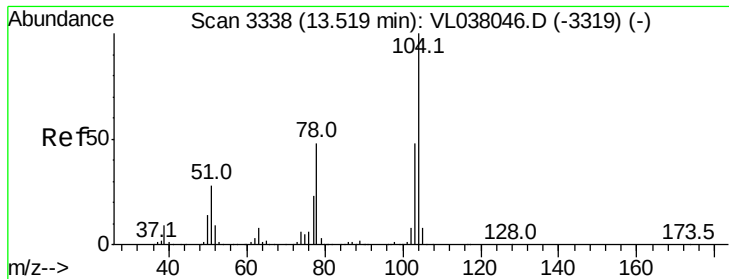
Tgt Ion: 91 Resp: 2482340

Ion Ratio Lower Upper

91 100

106 47.9 24.2 72.6





#61

Stvrene

Concen: 9.914 ppbv

RT: 13.50

Delta R.T.

Lab File:

Acq: 19 Nov 2021 12:23

Instrument :

MSVOA_1

ClientSampleId :

VL1119ABS01

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Supervised By :Mahesh Dadoda 11/29/2021

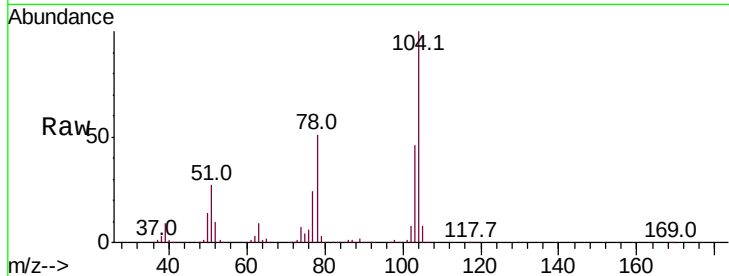
Tot Ion:1

Ion Rati

104 100

78 53.

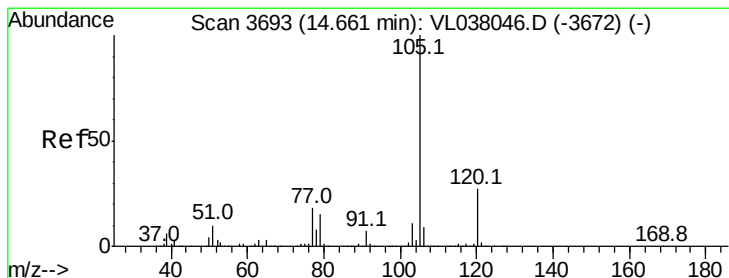
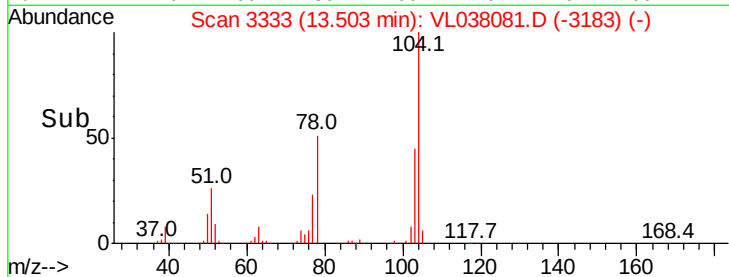
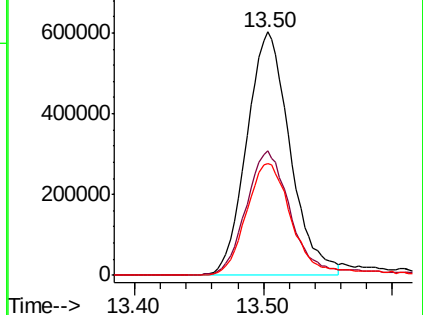
103 49.



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: 9.507 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.02 min

Lab File: VL038081.D

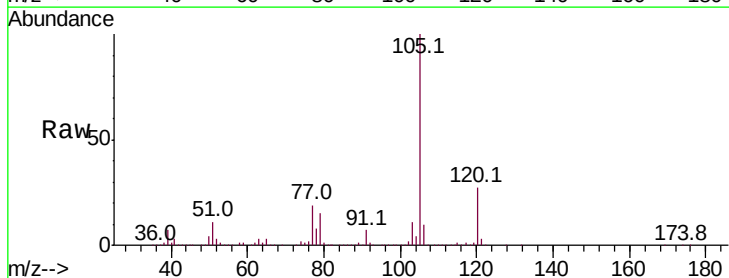
Acq: 19 Nov 2021 12:23

Tgt Ion:105 Resp: 3586526

Ion Ratio Lower Upper

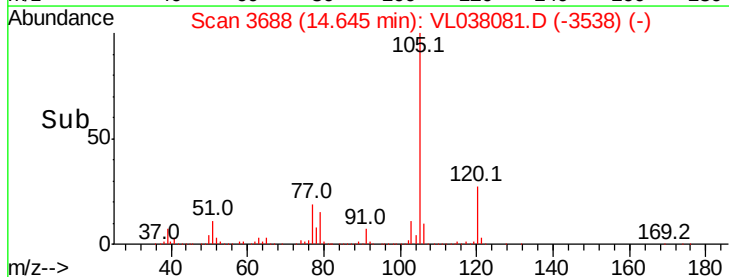
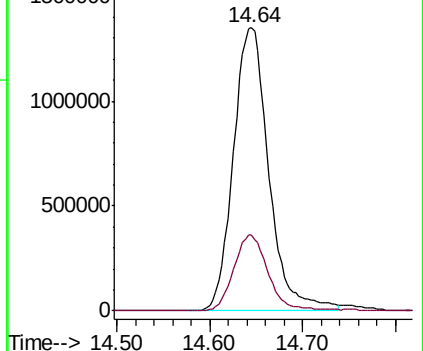
105 100

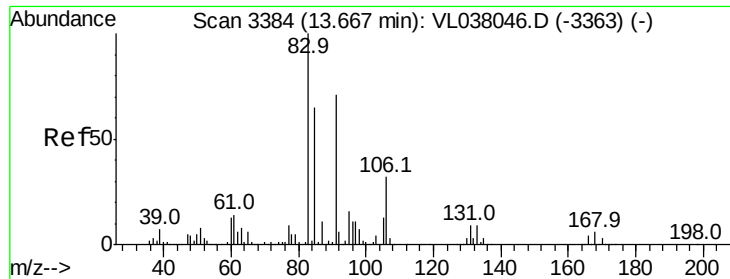
120 26.4 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



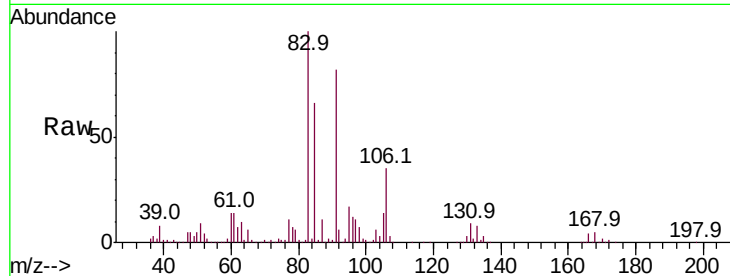


#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.016 ppbv
 RT: 13.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1119ABS01
 Acq: 19 Nov 2021 12:23

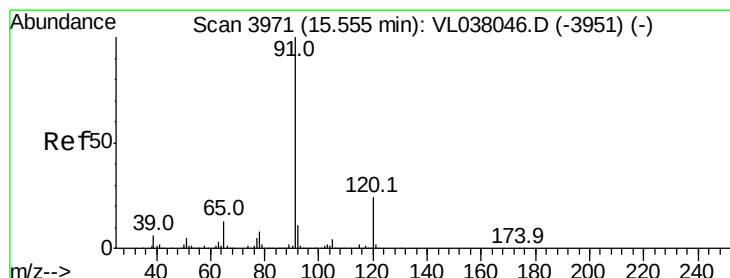
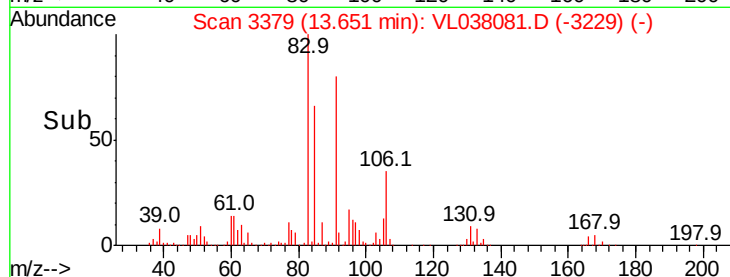
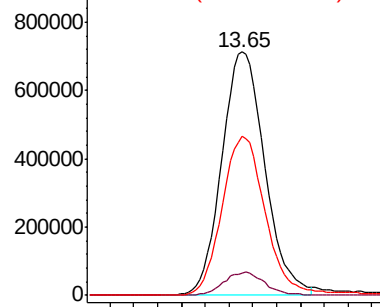
Tot Ion:
 Ion Ratio
 83 100
 131 9.
 85 67.

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

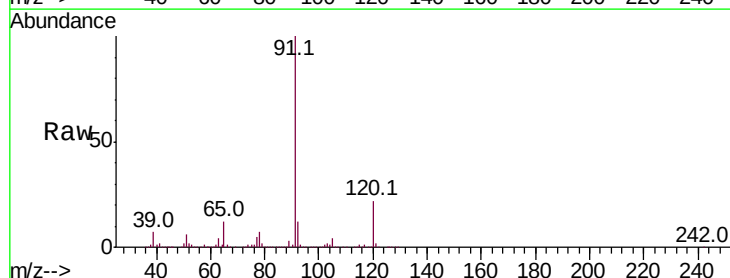


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

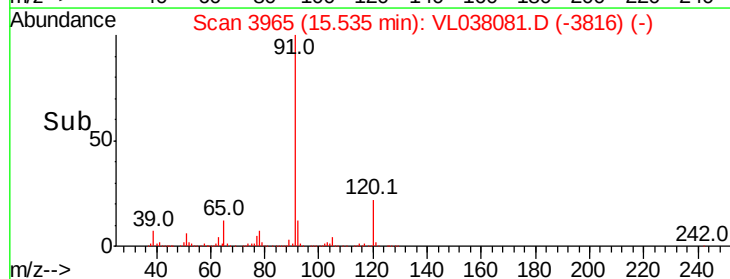
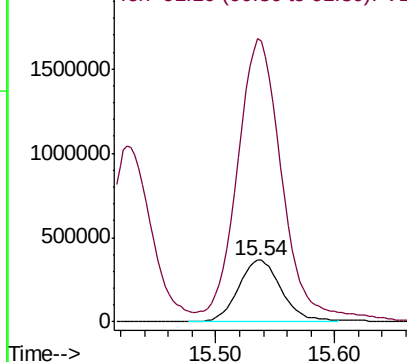


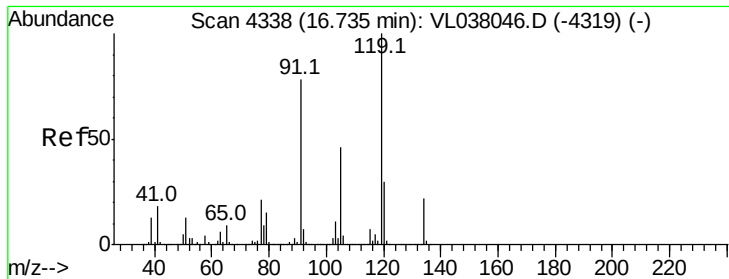
#64
 n-propylbenzene
 Concen: 9.582 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.02 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion:120 Resp: 920891
 Ion Ratio Lower Upper
 120 100
 91 478.8 371.7 557.5



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0



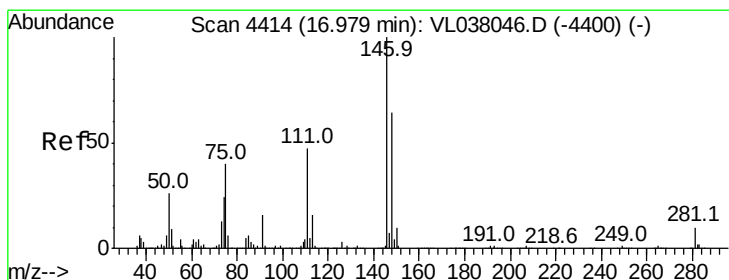
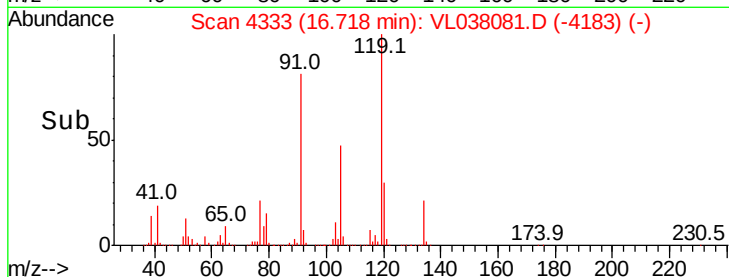
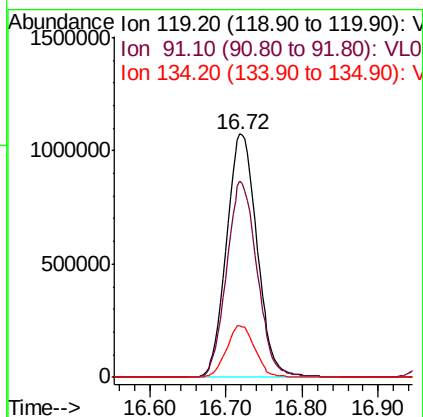
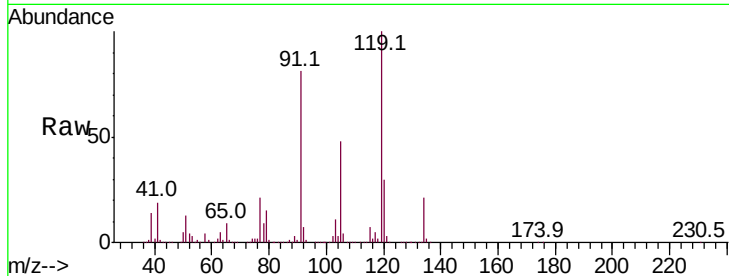


#65
 tert-Butylbenzene
 Concen: 9.029 ppbv
 RT: 16.72 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1119ABS01
 Acq: 19 Nov 2021 12:23

Tot Ion: 1
 Ion Ratio
 119 100
 91 80.
 134 19.

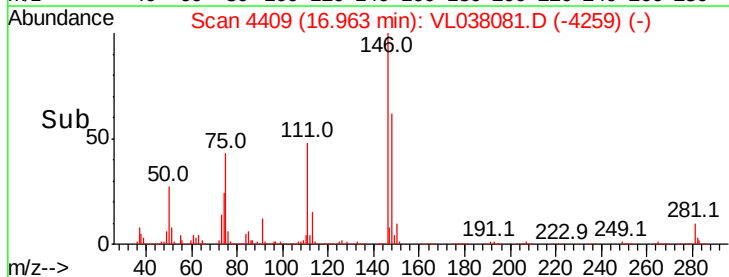
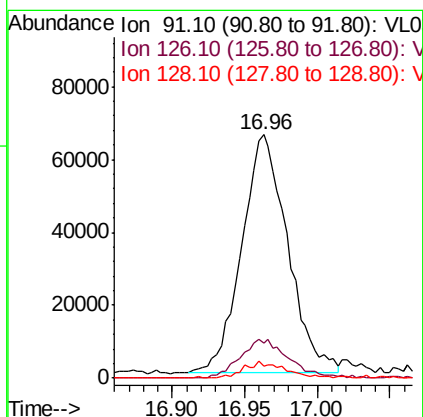
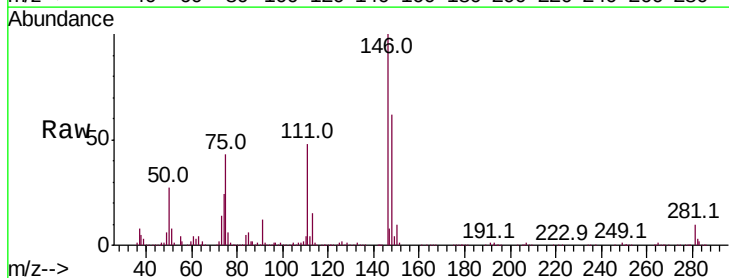
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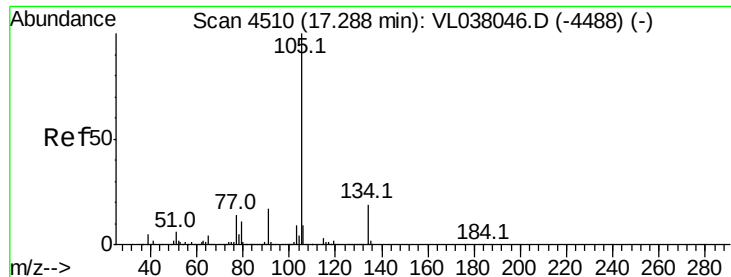
Reviewed By : Semsettin Yesilyurt 11/25/2021
 Supervised By : Mahesh Dadoda 11/29/2021



#66
 Benzyl Chloride
 Concen: 8.553 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T.: -0.02 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion: 91 Resp: 144073
 Ion Ratio Lower Upper
 91 100
 126 17.4 15.5 23.3
 128 6.5 5.6 8.4





#67

sec-Butylbenzene

Concen: 9.114 ppbv

RT: 17.27

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:1

Ion Ratio

105 100

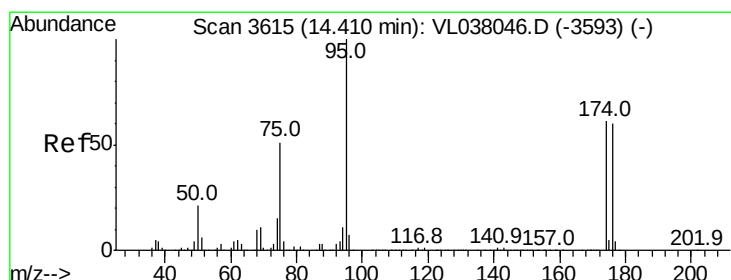
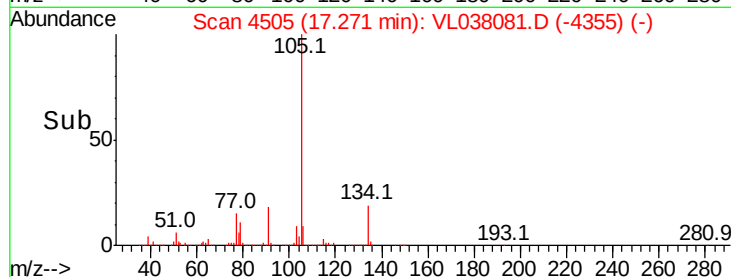
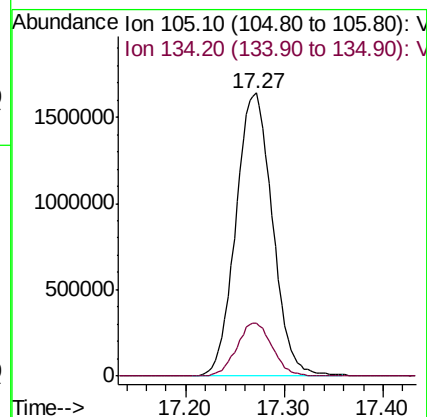
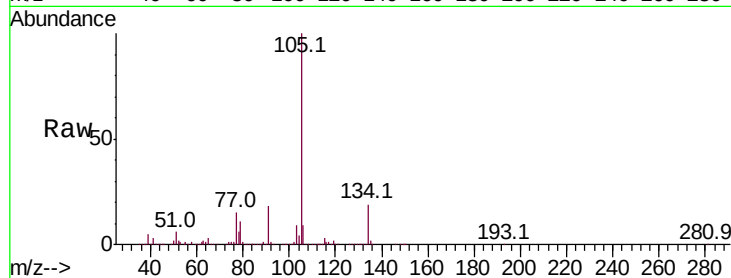
134 18.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.750 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.02 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

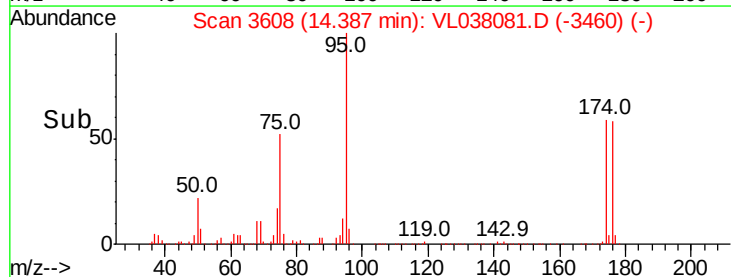
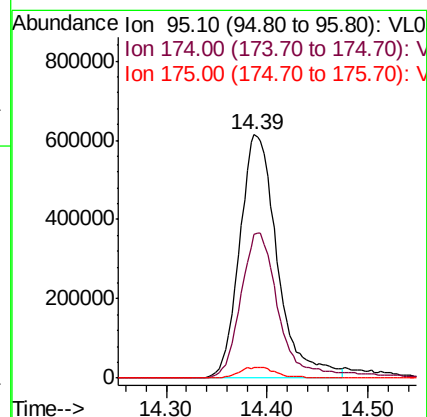
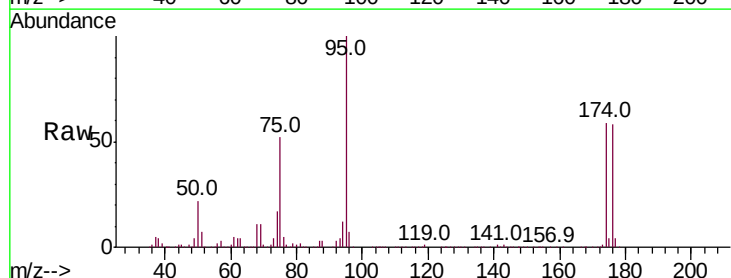
Tgt Ion: 95 Resp: 1596715

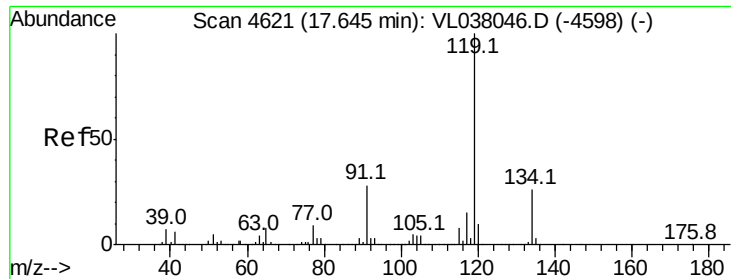
Ion Ratio Lower Upper

95 100

174 61.8 53.1 79.7

175 4.5 4.0 6.0



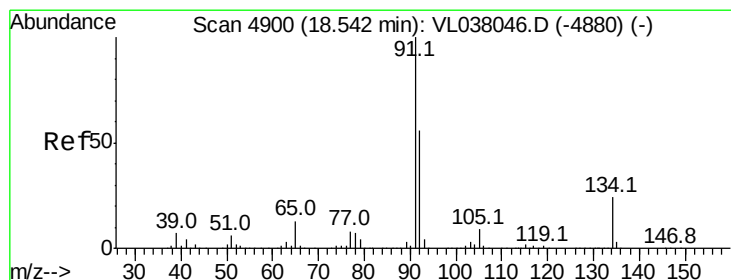
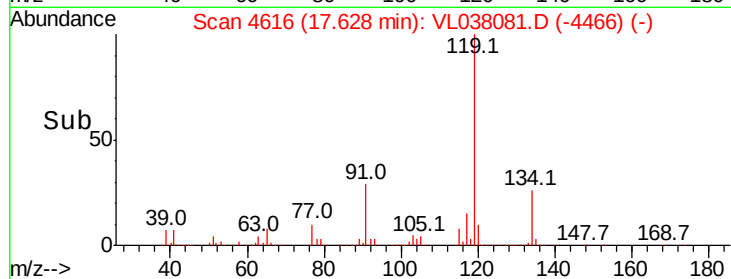
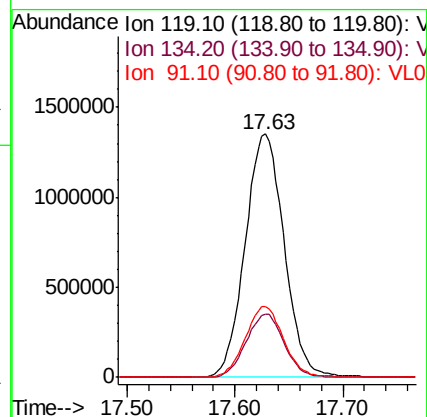
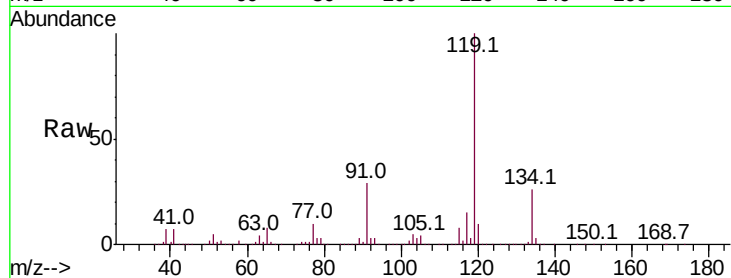


#69
 p-Isopropyltoluene
 Concen: 9.372 ppbv
 RT: 17.63
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL1119ABS01
 Acq: 19 Nov 2021 12:23

Tot Ion: 1
 Ion Ratio
 119 100
 134 25.
 91 28.

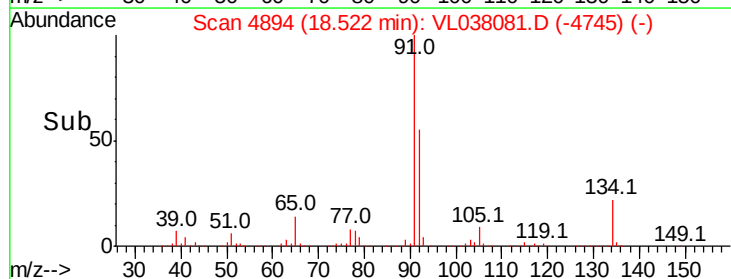
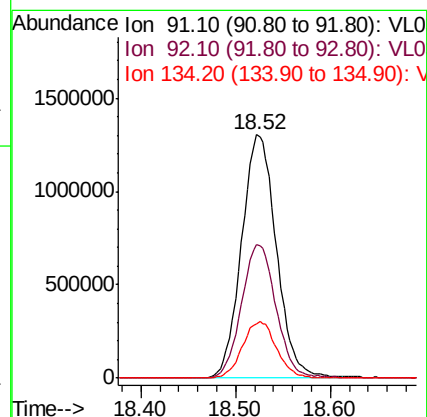
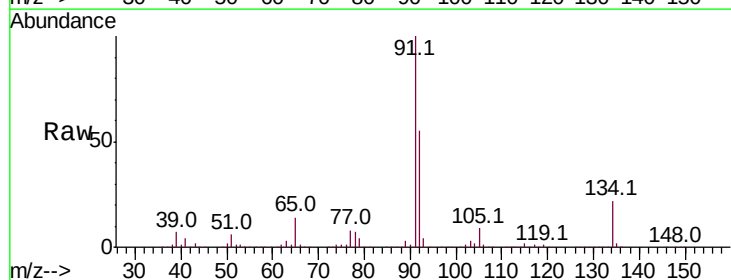
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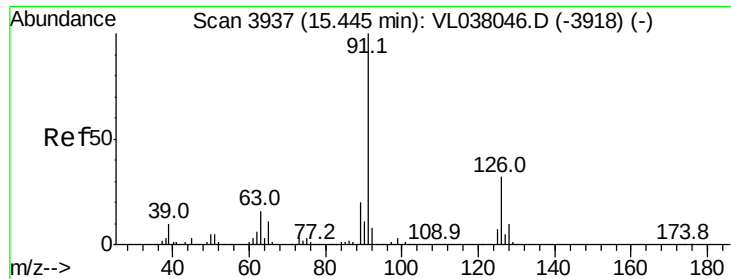
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#70
 n-Butylbenzene
 Concen: 9.618 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.02 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion: 91 Resp: 3331514
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.1 66.1
 134 22.8 18.9 28.3





#71

2-Chlorotoluene

Concen: 9.525 ppbv

RT: 15.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:

Ion Ratio

91 100

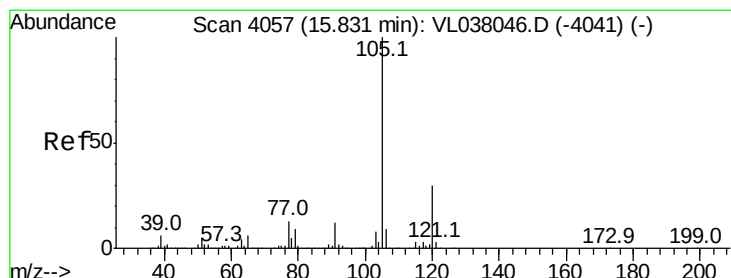
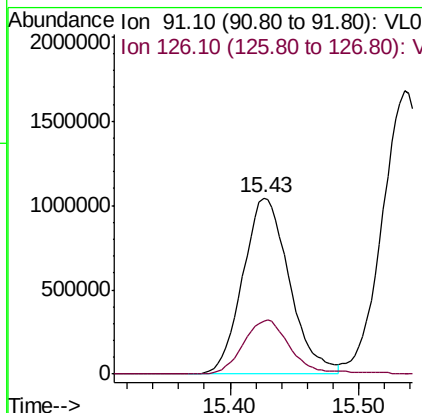
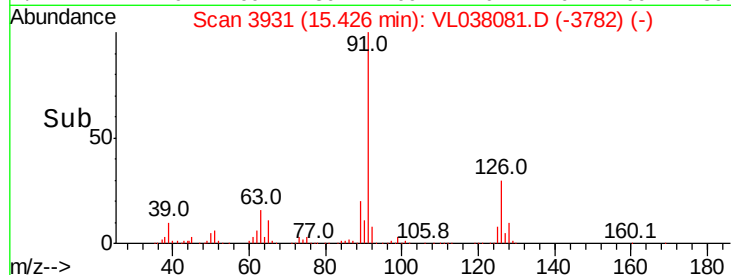
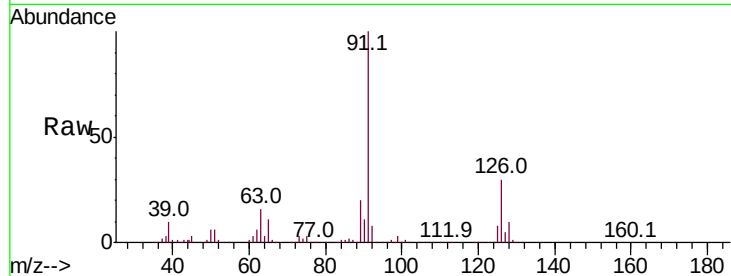
126 31.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#72

4-Ethyltoluene

Concen: 9.550 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.02 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

Tgt Ion:105 Resp: 2942770

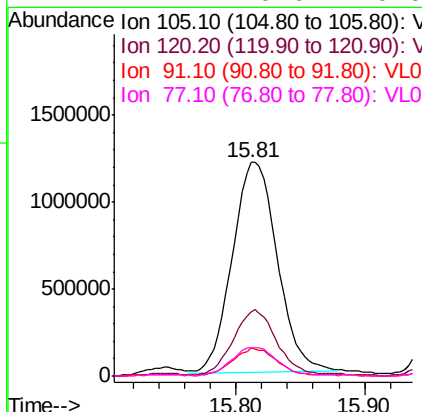
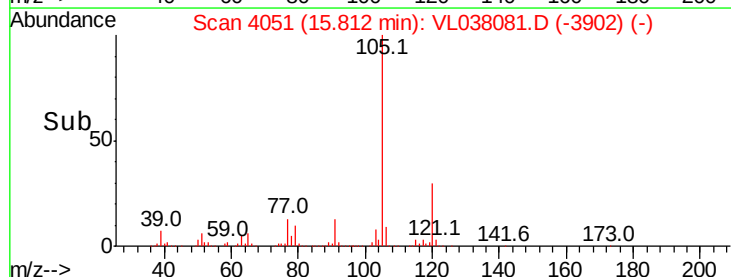
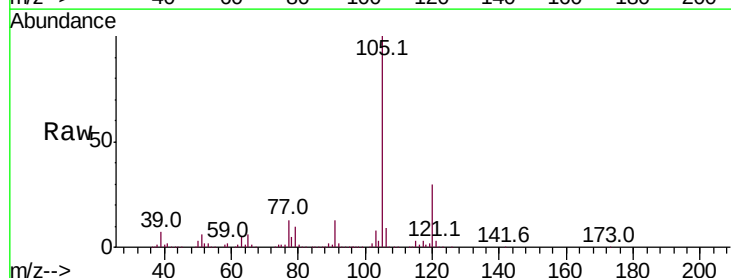
Ion Ratio Lower Upper

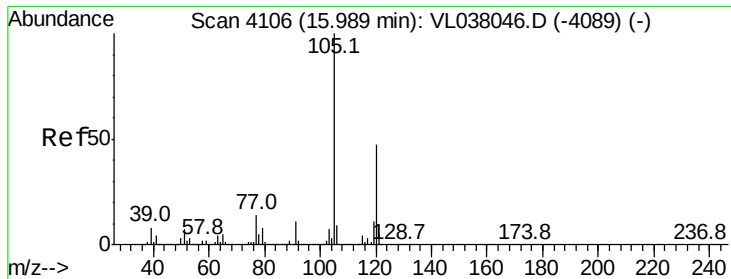
105 100

120 31.4 25.1 37.7

91 12.8 9.7 14.5

77 14.2 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.437 ppbv

RT: 15.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:1

Ion Ratio

105 100

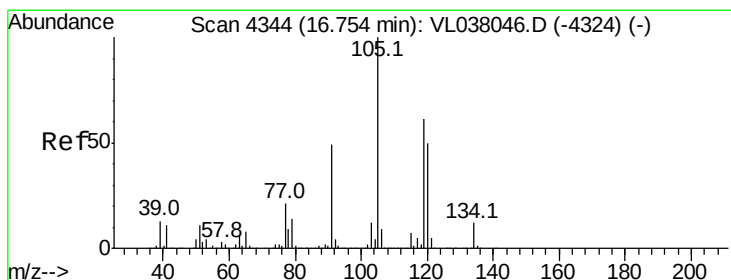
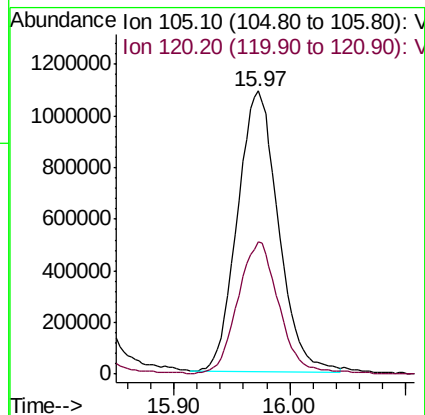
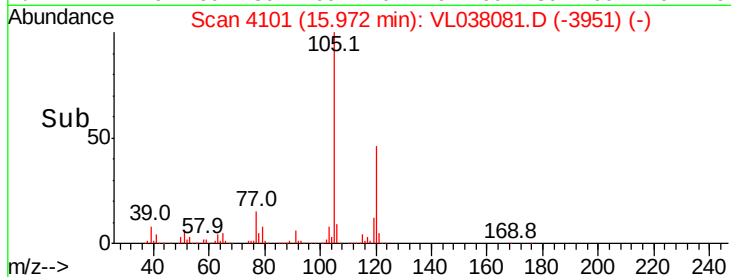
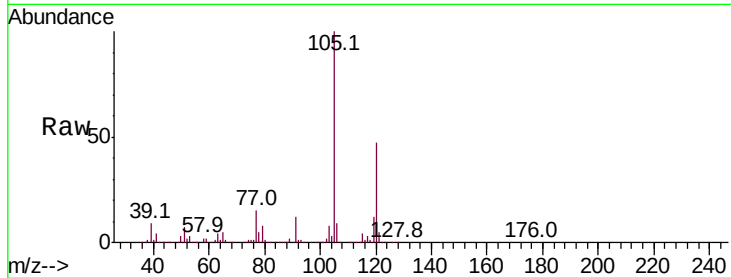
120 47.

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Supervised By :Mahesh Dadoda 11/29/2021



#74

1,2,4-Trimethylbenzene

Concen: 9.316 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.02 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

Tgt Ion:105 Resp: 2701745

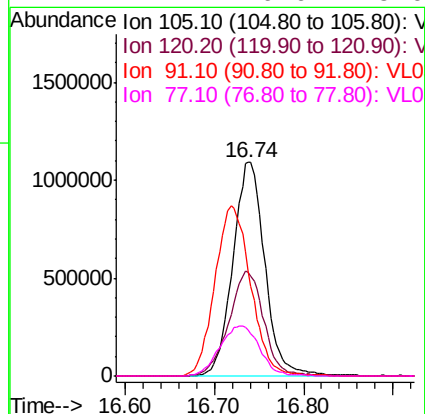
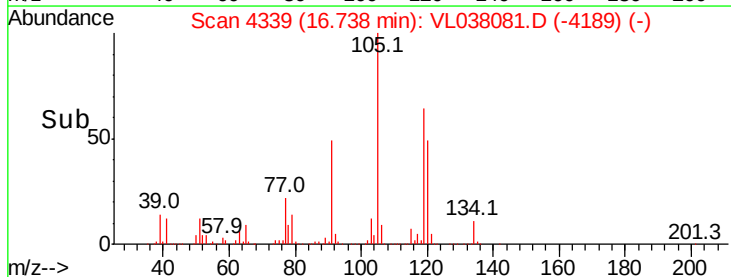
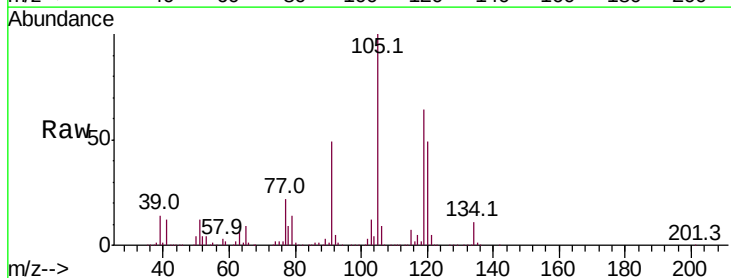
Ion Ratio Lower Upper

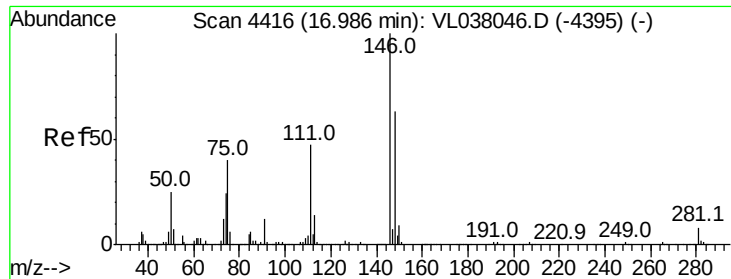
105 100

120 48.5 40.1 60.1

91 49.2 39.8 59.8

77 21.4 16.6 25.0



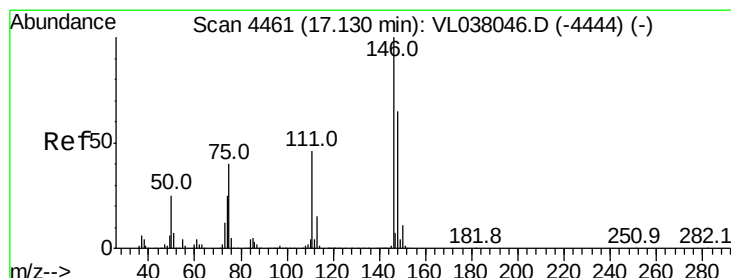
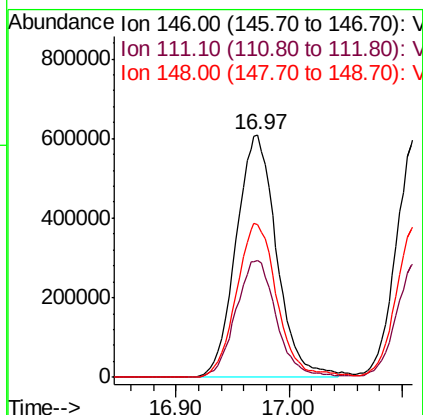
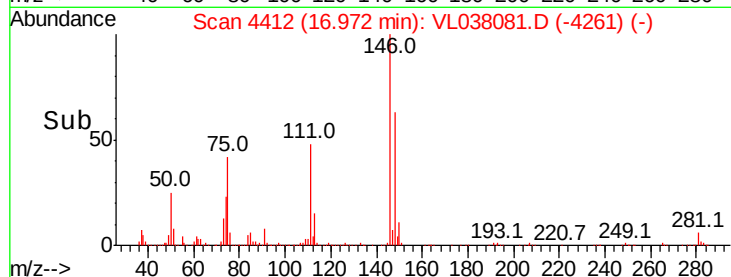
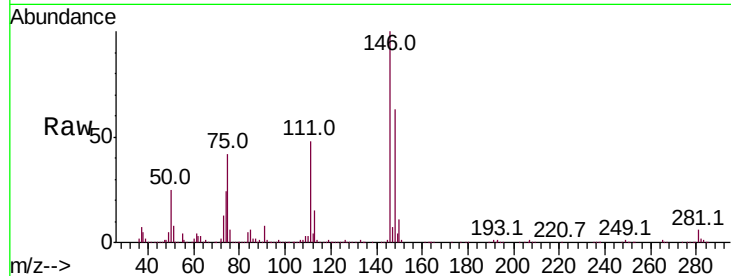


#75
 1,3-Dichlorobenzene
 Concen: 9.528 ppbv
 RT: 16.97 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1119ABS01
 Acq: 19 Nov 2021 12:23

Tot Ion:1
 Ion Rati
 146 100
 111 48.
 148 63.

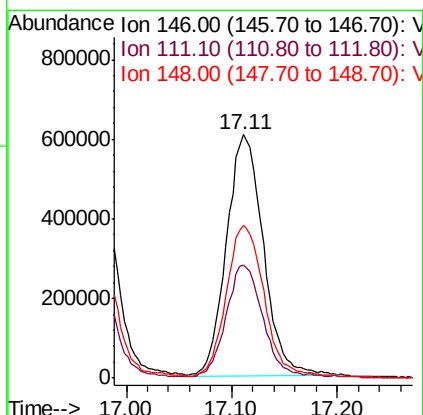
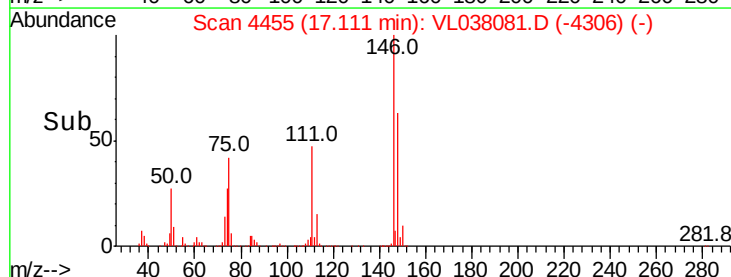
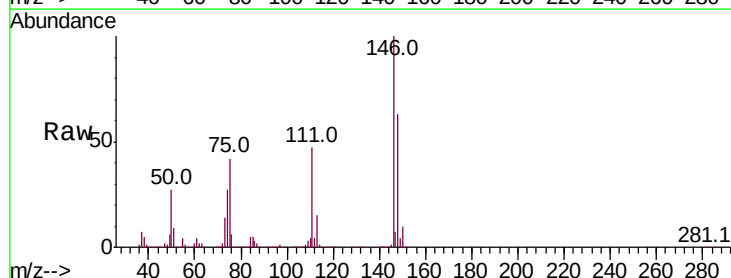
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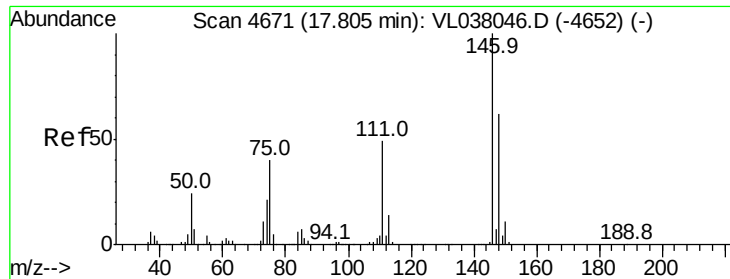
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#76
 1,4-Dichlorobenzene
 Concen: 9.167 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.02 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion:146 Resp: 1469433
 Ion Ratio Lower Upper
 146 100
 111 47.8 23.8 71.5
 148 65.8 33.2 99.6



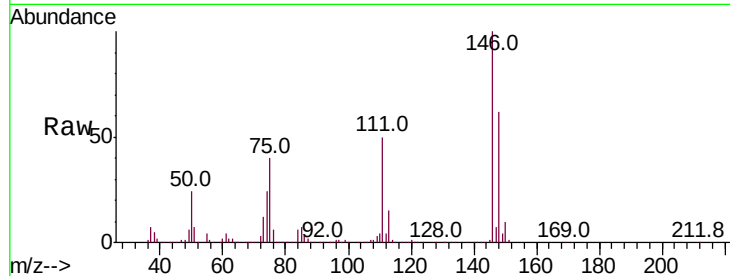


#77
 1,2-Dichlorobenzene
 Concen: 9.213 ppbv
 RT: 17.79
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL1119ABS01
 Acq: 19 Nov 2021 12:23

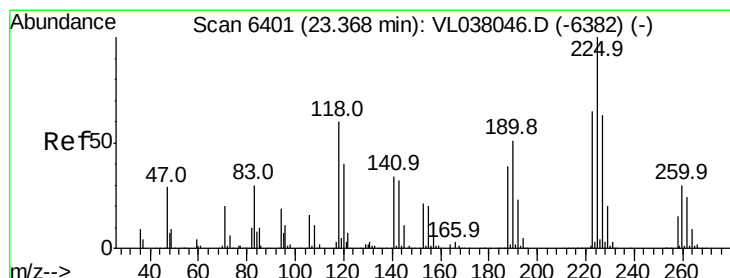
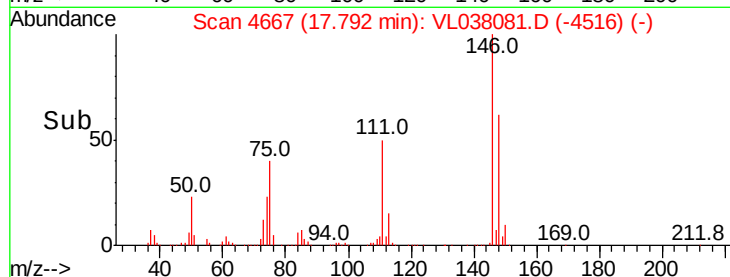
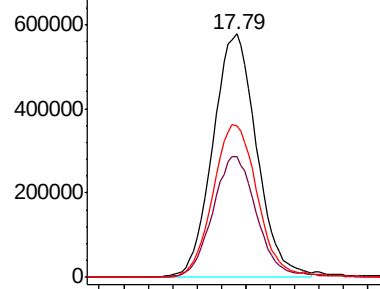
Tot Ion:1
 Ion Rati
 146 100
 111 50.
 148 64.

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 Supervised By :Mahesh Dadoda 11/29/2021

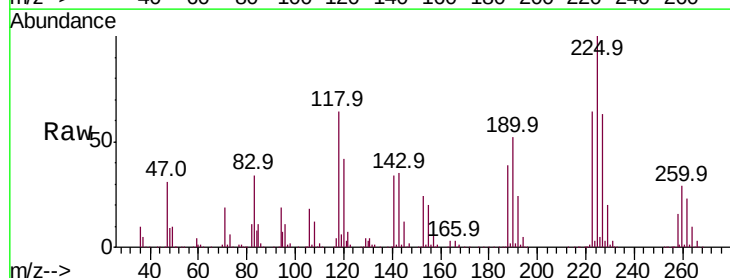


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

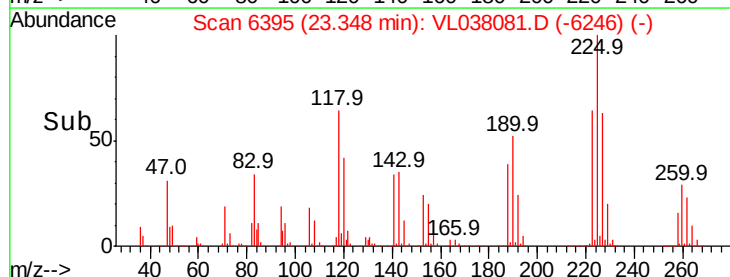
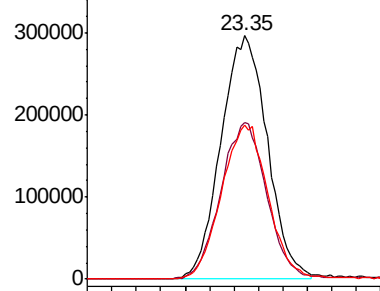


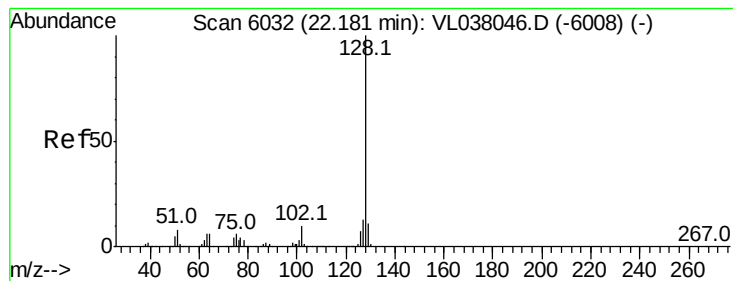
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.125 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.02 min
 Lab File: VL038081.D
 Acq: 19 Nov 2021 12:23

Tgt Ion:225 Resp: 782431
 Ion Ratio Lower Upper
 225 100
 223 64.4 52.3 78.5
 227 64.2 52.4 78.6



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.938 ppbv

RT: 22.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 12:23

Tot Ion:1

Ion Ratio

128 100

127 12.

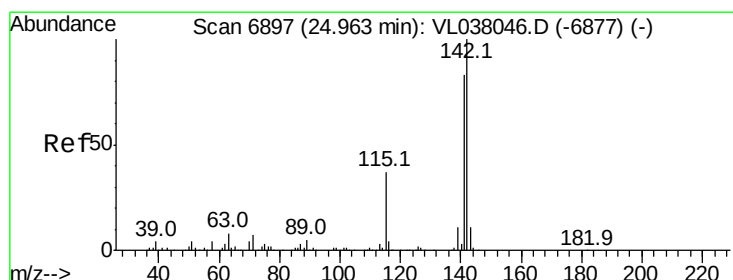
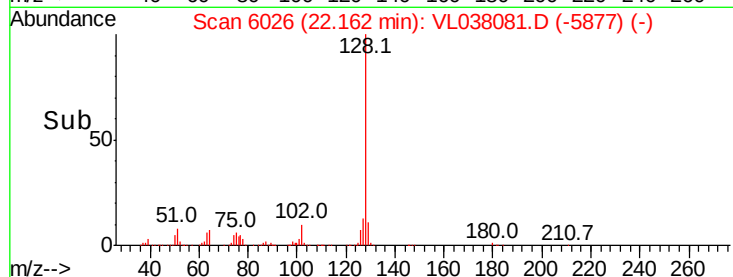
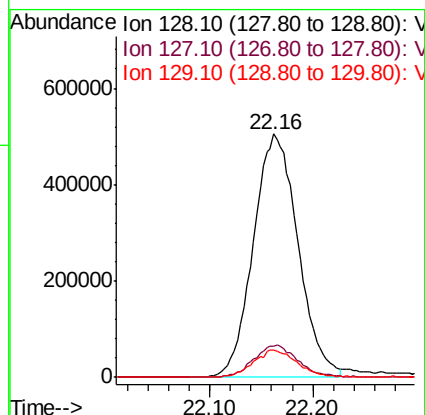
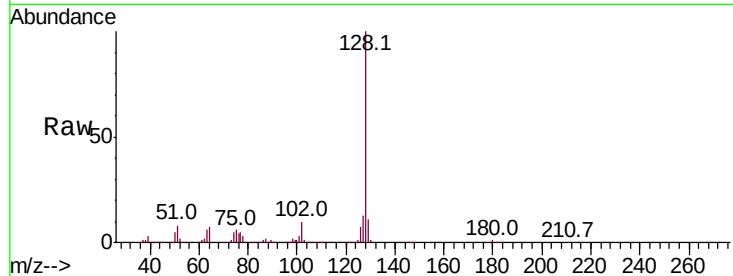
129 11.

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Supervised By :Mahesh Dadoda 11/29/2021



#80

Naphthalene, 2-methyl-

Concen: 11.602 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL038081.D

Acq: 19 Nov 2021 12:23

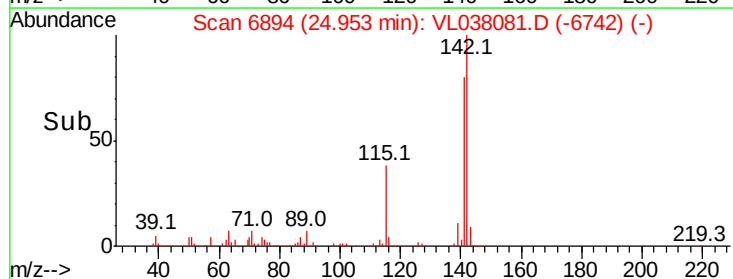
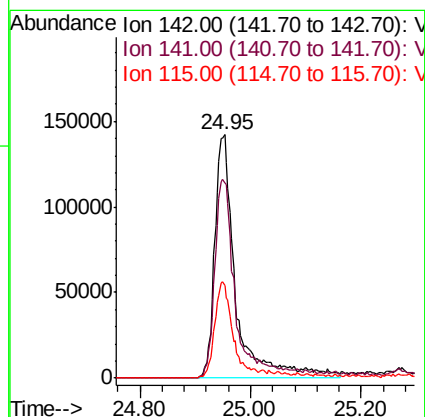
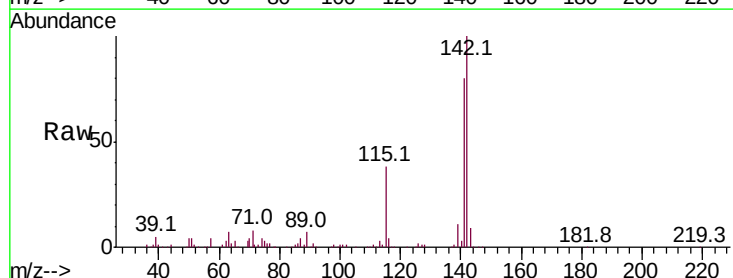
Tgt Ion:142 Resp: 379743

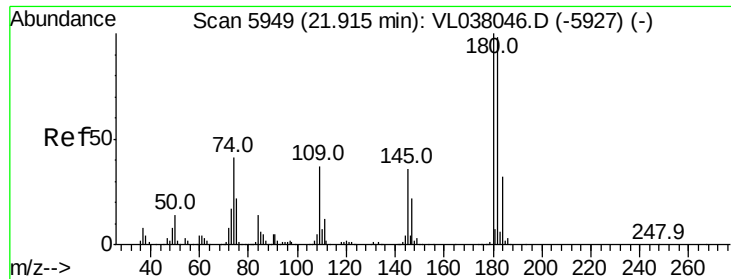
Ion Ratio Lower Upper

142 100

141 83.5 67.3 100.9

115 36.9 28.9 43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.288 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL1119ABS01
 Acq: 19 Nov 2021 12:25

Tot Ion:1
 Ion Rati
 180 100
 182 100.
 184 32.

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

