

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038229.D
 Acq On : 22 Dec 2021 9:32
 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 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 22 10:23:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	730778	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	2038623	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	1935826m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1452681	9.74	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1125427	8.173	ppbv 98
3) Chlorodifluoromethane	3.02	51	1362188	8.871	ppbv 97
4) Chloromethane	3.17	50	454892	8.543	ppbv 98
5) Vinyl Chloride	3.29	62	467138	8.729	ppbv 99
6) Bromomethane	3.50	94	273574	10.032	ppbv 99
7) Chloroethane	3.58	64	171817	9.534	ppbv 99
8) Dichlorotetrafluoroethane	3.21	85	1160680	8.882	ppbv 95
9) Propene	3.04	41	449459	8.430	ppbv 99
10) Heptane	8.15	43	1135250	8.393	ppbv 99
11) Trichlorofluoromethane	3.98	101	1171553	9.264	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.51	101	864680	9.052	ppbv 97
13) Ethanol	3.63	45	62611m	6.926	ppbv
14) Bromoethene	3.77	108	351019	9.224	ppbv 99
15) Acetone	3.88	43	604808	8.246	ppbv 95
16) 1,3-Butadiene	3.35	39	451984	9.046	ppbv 100
17) tert-Butyl alcohol	4.32	59	700623	8.698	ppbv 100
18) 1,1-Dichloroethene	4.32	96	366710	8.766	ppbv 98
19) Isopropyl Alcohol	3.99	45	401513	8.777	ppbv # 39
20) Methylene Chloride	4.37	84	332786	8.037	ppbv 96
21) Allyl Chloride	4.44	41	569397	9.178	ppbv 96
22) trans-1,2-Dichloroethene	4.91	96	401095	9.398	ppbv 95
23) Vinyl Acetate	5.10	43	926881	9.334	ppbv 99
24) 1,1-Dichloroethane	5.04	63	785111	8.841	ppbv 100
25) Ethyl Acetate	5.70	43	1794412	9.031	ppbv 99
26) Hexane	5.72	57	845700	8.483	ppbv 99
27) Carbon Disulfide	4.58	76	894599	10.194	ppbv 99
28) Methyl tert-Butyl Ether	5.06	73	842382	8.408	ppbv 99
29) Chloroform	5.78	83	1360528	9.196	ppbv 99
30) Cyclohexane	7.16	84	717035	8.121	ppbv 93
31) cis-1,2-Dichloroethene	5.58	61	817206	10.452	ppbv 94
32) 1,1,1-Trichloroethane	6.54	97	1348750	9.189	ppbv 97
34) 2-Butanone	5.27	43	625918	10.215	ppbv 100
35) Carbon Tetrachloride	7.05	117	1374006	10.919	ppbv 100
36) Benzene	6.92	78	1762133	9.267	ppbv 99
37) 1,2-Dichloroethane	6.33	62	1031022	10.806	ppbv 97
38) Trichloroethene	7.86	130	647767	8.951	ppbv 94
39) 1,2-Dichloropropane	7.64	63	683461	9.339	ppbv 95
40) 1,4-Dioxane	7.86	88	168270	7.904	ppbv 98
41) Tetrahydrofuran	6.08	42	439421	9.791	ppbv 98
42) Bromodichloromethane	7.82	83	1452549	10.699	ppbv 99
43) Methyl Methacrylate	8.04	69	651993	9.963	ppbv 96

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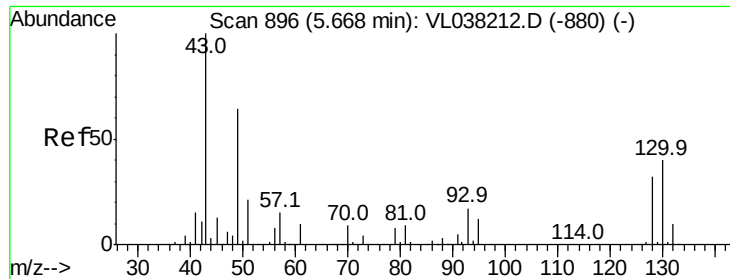
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2931347	9.075	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	567912	11.726	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	723420	10.791	ppbv	97
47) 1,1,2-Trichloroethane	9.50	97	682735	8.988	ppbv	98
48) Dibromochloromethane	10.33	129	1102028	10.317	ppbv	100
49) Bromoform	13.07	173	733287	9.662	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	1195318	10.729	ppbv	99
51) 2-Hexanone	10.17	43	569997	10.690	ppbv #	97
52) Tetrachloroethene	11.25	164	571558	8.143	ppbv	96
53) Toluene	9.83	91	1965283	8.957	ppbv	99
54) 1,2-Dibromoethane	10.64	107	985924	9.150	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	697772	8.666	ppbv	98
57) Chlorobenzene	12.18	112	1331137	7.929	ppbv	95
58) Ethyl Benzene	12.74	91	2487262	8.280	ppbv	98
59) m/p-Xylene	13.02	91	4162452m	16.208	ppbv	
60) o-Xylene	13.72	91	1876718	7.882	ppbv	99
61) Styrene	13.55	104	987844	8.191	ppbv	95
62) Isopropylbenzene	14.69	105	2557057	7.649	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	1322206	7.221	ppbv	99
64) n-propylbenzene	15.59	120	644010	7.749	ppbv	87
65) tert-Butylbenzene	16.77	119	2250665	7.649	ppbv	96
66) Benzyl Chloride	17.01	91	104472	9.526	ppbv	94
67) sec-Butylbenzene	17.32	105	3194877	7.902	ppbv	99
69) p-Isopropyltoluene	17.68	119	2650866	8.152	ppbv	98
70) n-Butylbenzene	18.58	91	2800620	9.058	ppbv	98
71) 2-Chlorotoluene	15.48	91	1933695	7.771	ppbv	98
72) 4-Ethyltoluene	15.87	105	2143559	7.817	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	2021179	8.237	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	2095756	8.132	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	1208283	8.679	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	1155639	8.367	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1191408	8.938	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	919865	11.184	ppbv	100
79) Naphthalene	22.23	128	1853042	13.918	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	263670	9.982	ppbv	93
81) 1,2,4-Trichlorobenzene	21.96	180	963266	12.652	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

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Tot Ion:

Ion Ratio

49 100

128 50.

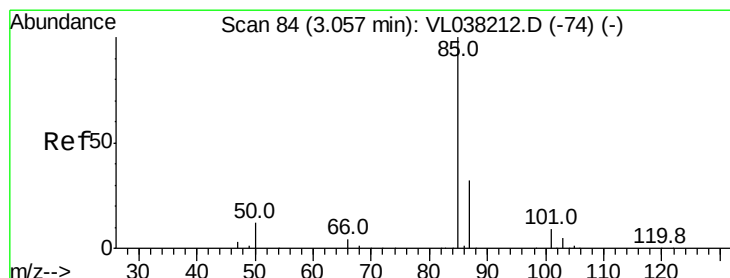
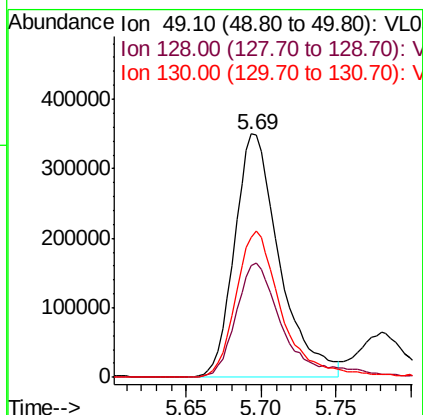
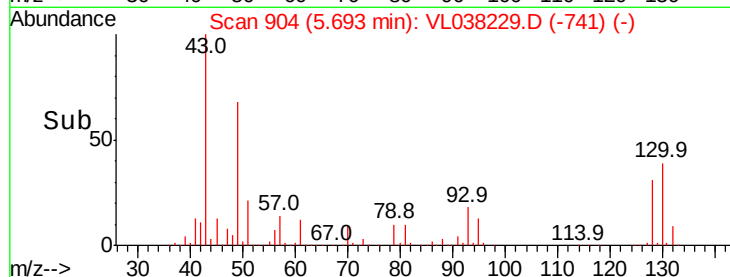
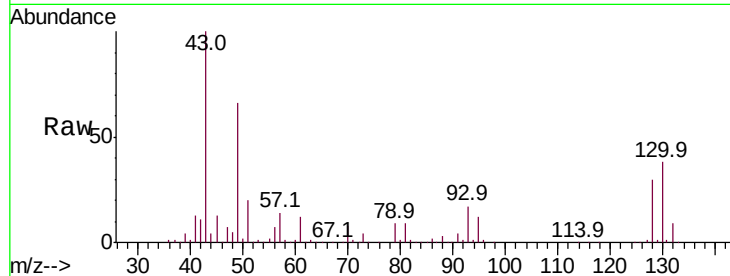
130 62.

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.173 ppbv

RT: 3.08 min Scan# 90

Delta R.T. 0.02 min

Lab File: VL038229.D

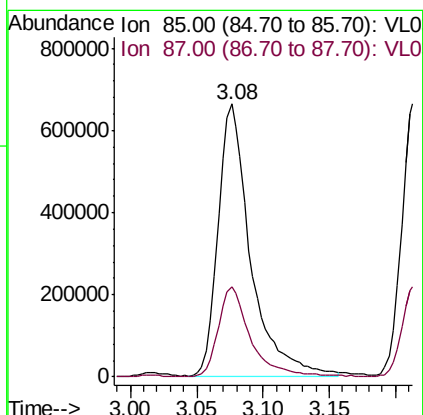
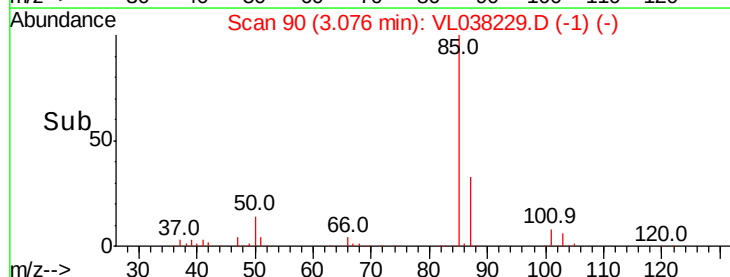
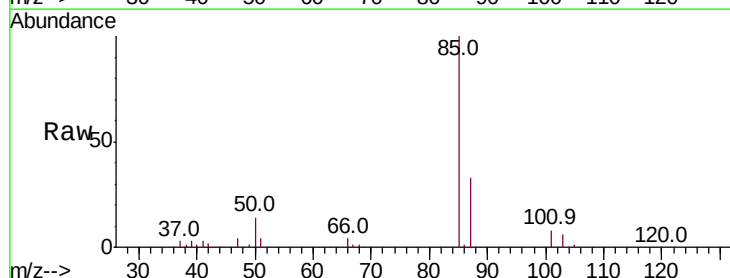
Acq: 22 Dec 2021 9:32

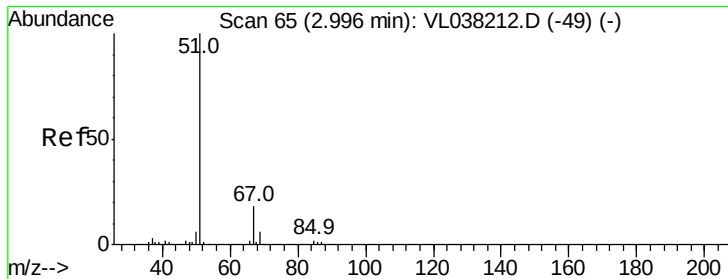
Tgt Ion: 85 Resp: 1125427

Ion Ratio Lower Upper

85 100

87 32.8 25.4 38.2





#3

Chlorodifluoromethane

Concen: 8.871 ppbv

RT: 3.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

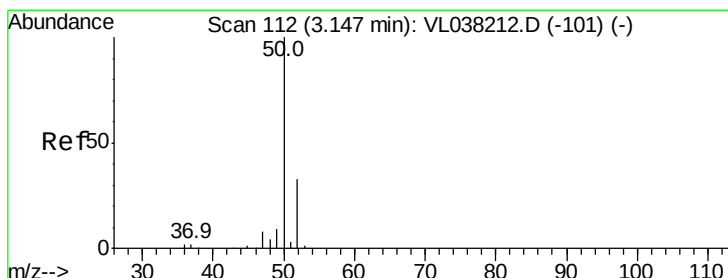
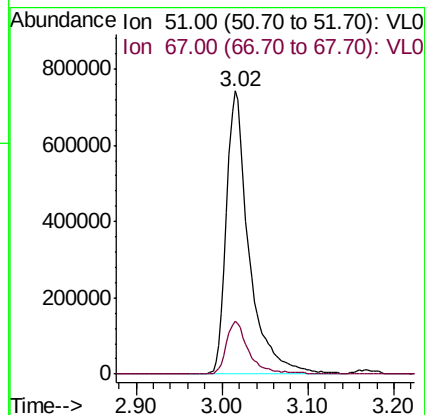
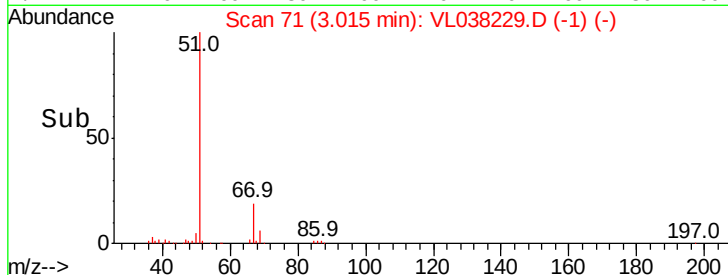
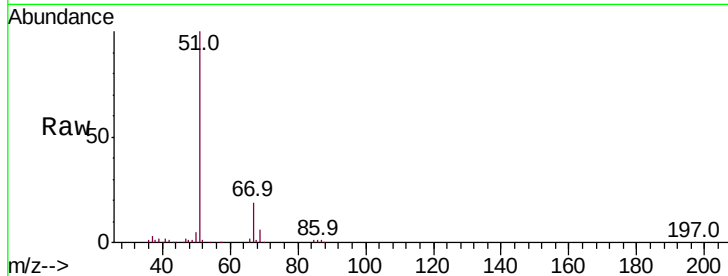
Acq: 22 Dec 2021 9:32

Manual Integrations

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#4

Chloromethane

Concen: 8.543 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.02 min

Lab File: VL038229.D

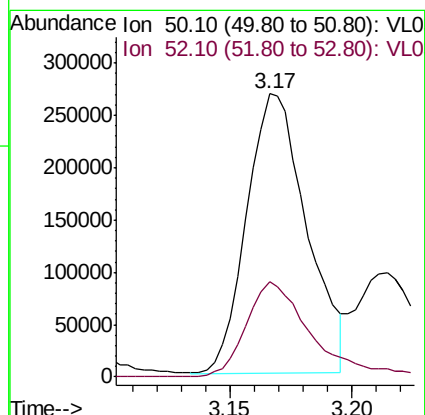
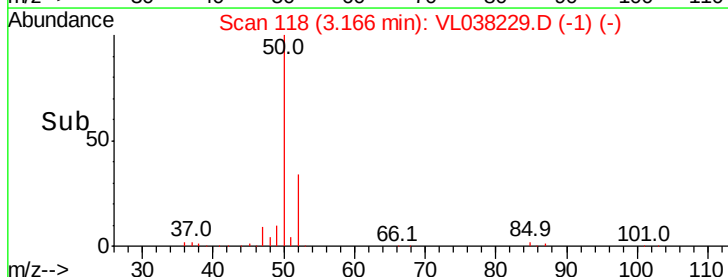
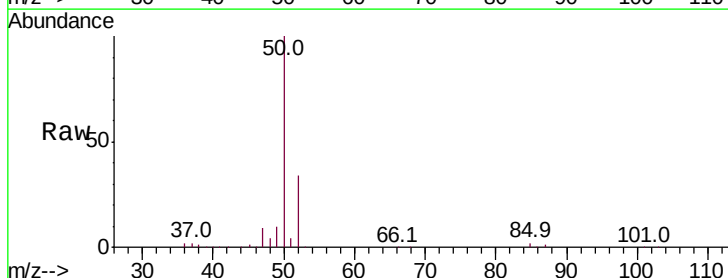
Acq: 22 Dec 2021 9:32

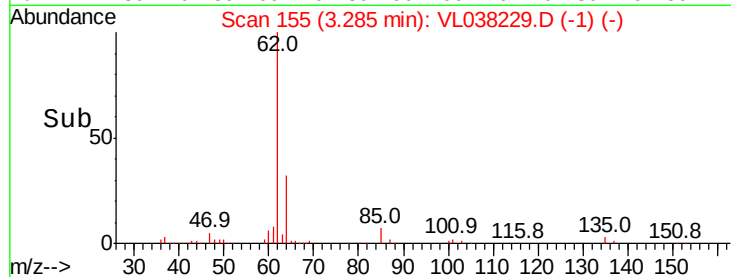
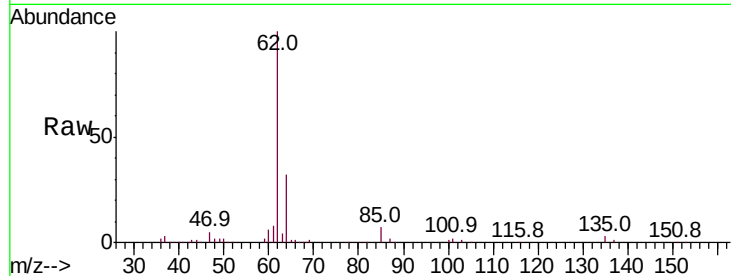
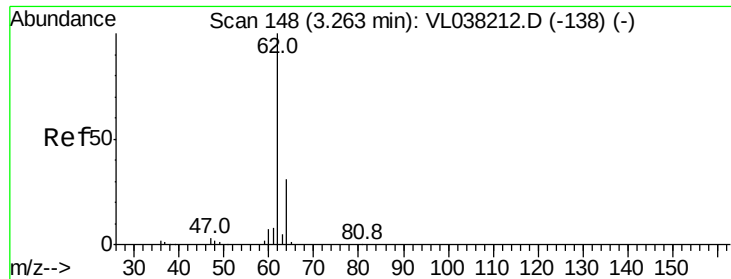
Tgt Ion: 50 Resp: 454892

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.2





#5

Vinyl Chloride

Concen: 8.729 ppbv

RT: 3.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDC010EC

Acq: 22 Dec 2021 9:32

Tot Ion:

Ion Ratio

62 100

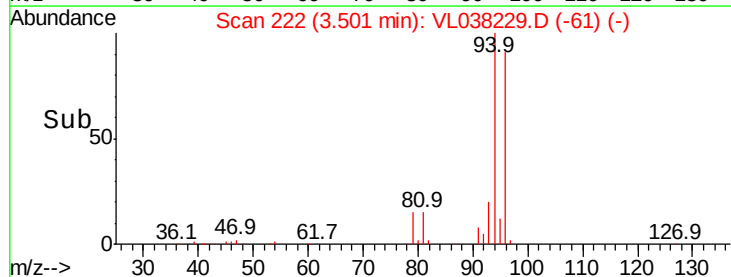
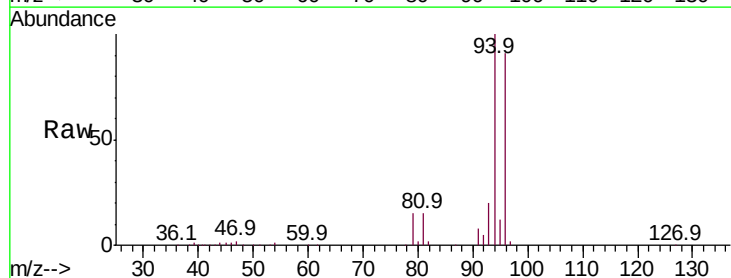
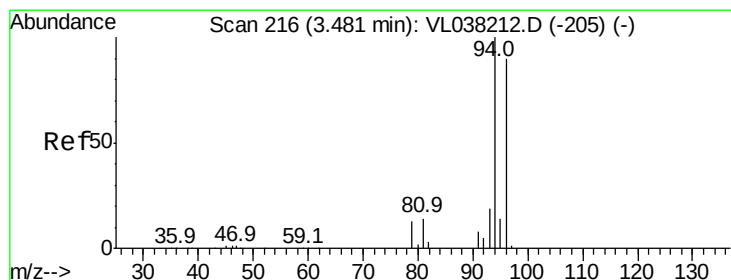
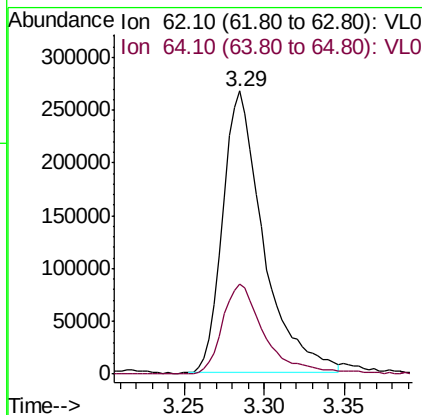
64 31.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#6

Bromomethane

Concen: 10.032 ppbv

RT: 3.50 min Scan# 222

Delta R.T. 0.02 min

Lab File: VL038229.D

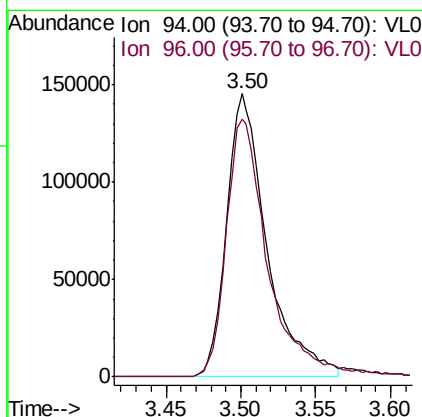
Acq: 22 Dec 2021 9:32

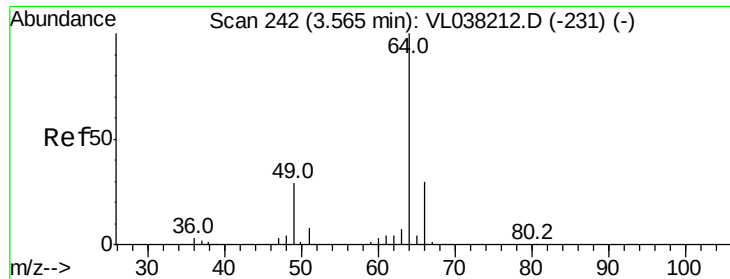
Tgt Ion: 94 Resp: 273574

Ion Ratio Lower Upper

94 100

96 90.9 72.2 108.2





#7

Chloroethane

Concen: 9.534 ppbv

RT: 3.58 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 22 Dec 2021 9:32

Tot Ion:

Ion Ratio

64 100

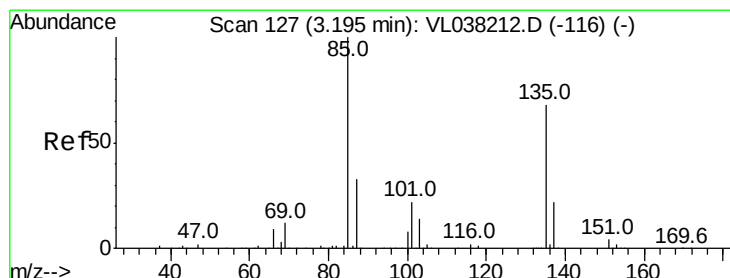
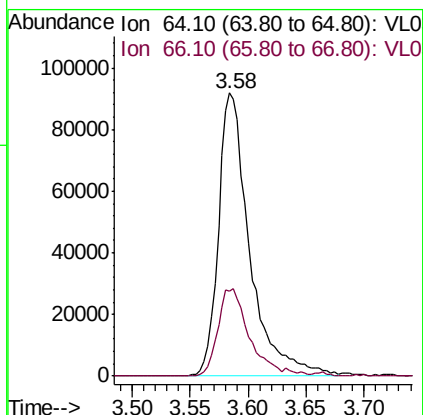
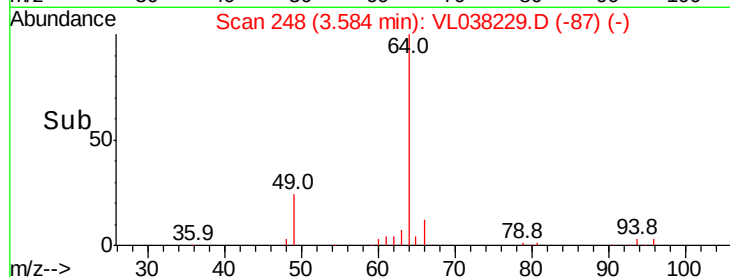
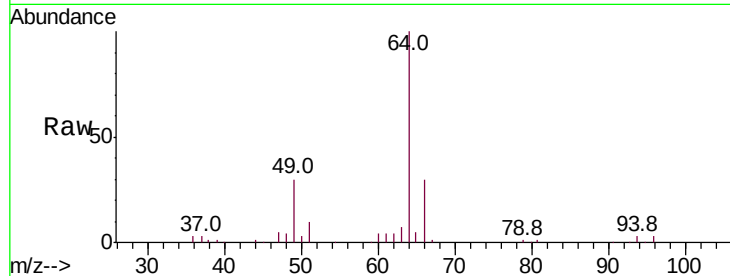
66 30.

Manual Integrations

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Supervised By :Mahesh Dadoda 12/29/2021



#8

Dichlorotetrafluoroethane

Concen: 8.882 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.02 min

Lab File: VL038229.D

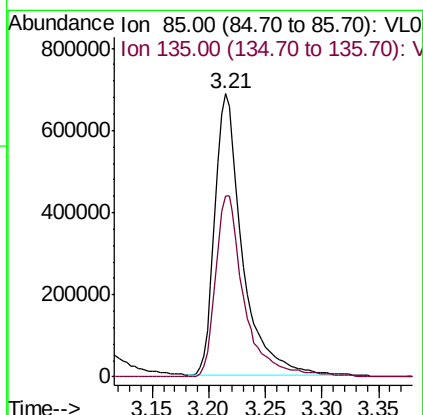
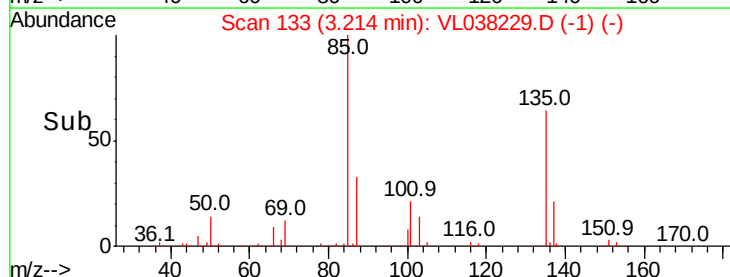
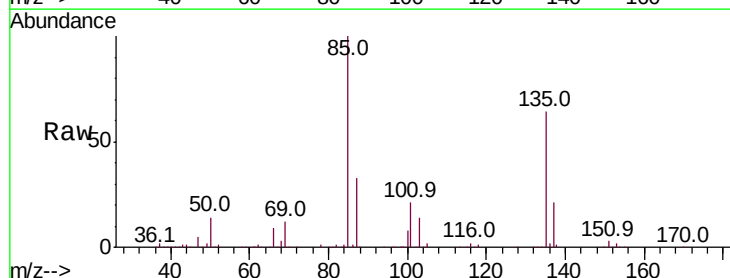
Acq: 22 Dec 2021 9:32

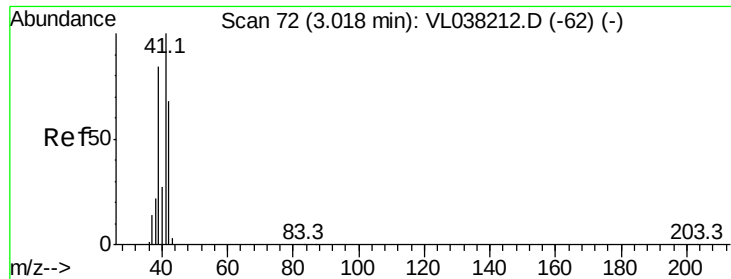
Tgt Ion: 85 Resp: 1160680

Ion Ratio Lower Upper

85 100

135 67.8 57.7 86.5



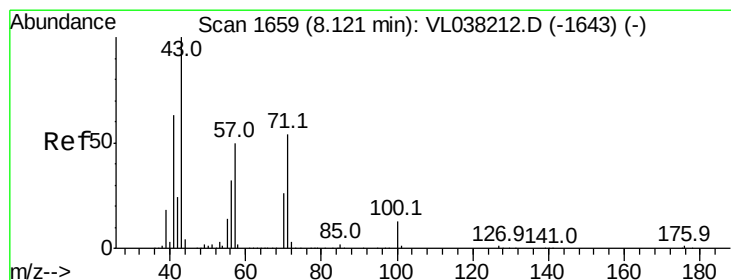
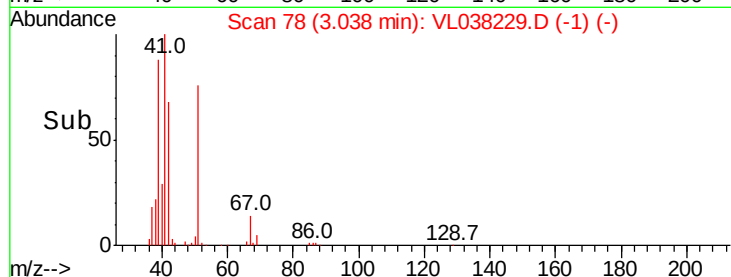
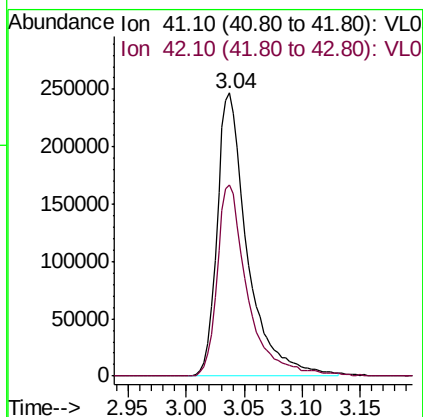
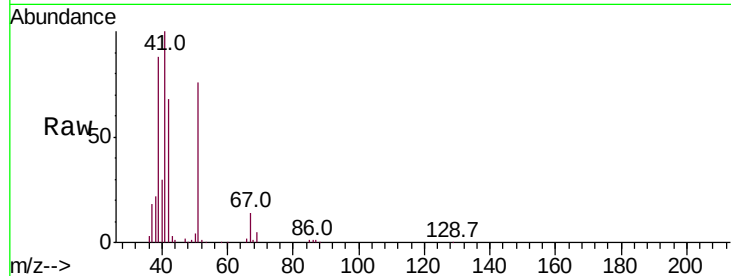


#9
 Propene
 Concen: 8.430 ppbv
 RT: 3.04
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 22 Dec 2021 9:32

Tot Ion:
 Ion Ratio
 41 100
 42 68.

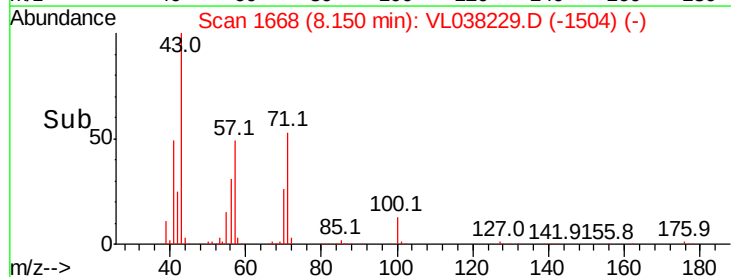
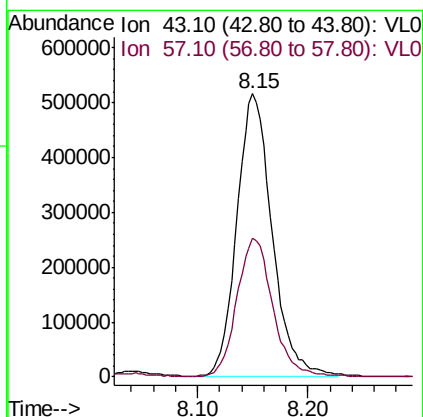
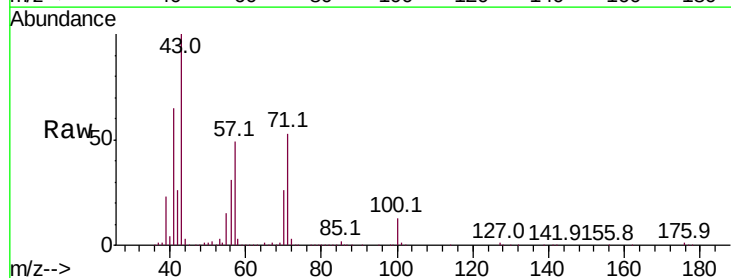
Manual Integrations
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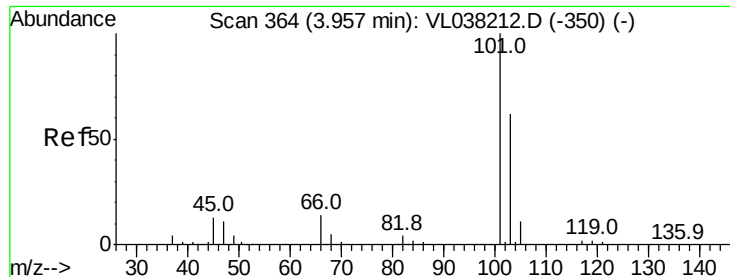
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#10
 Heptane
 Concen: 8.393 ppbv
 RT: 8.15 min Scan# 1668
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion: 43 Resp: 1135250
 Ion Ratio Lower Upper
 43 100
 57 49.9 40.3 60.5



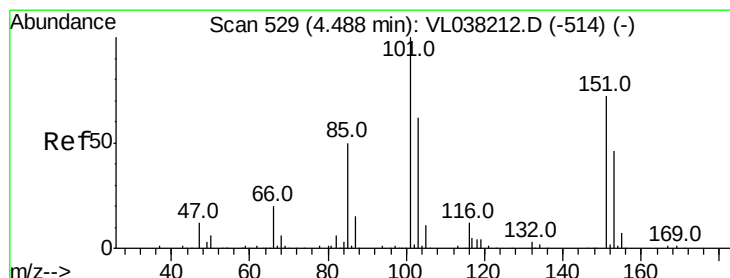
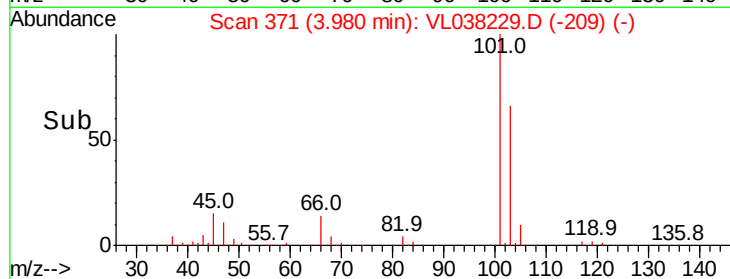
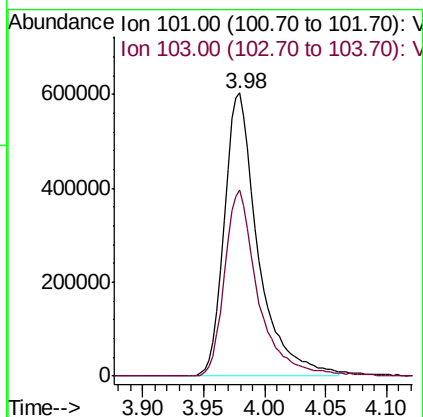
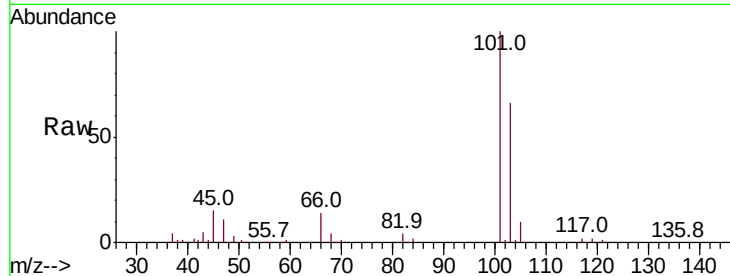


#11
 Trichlorofluoromethane
 Concen: 9.264 ppbv
 RT: 3.98
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 22 Dec 2021 9:32

Tot Ion:1
 Ion Rati
 101 100
 103 65.

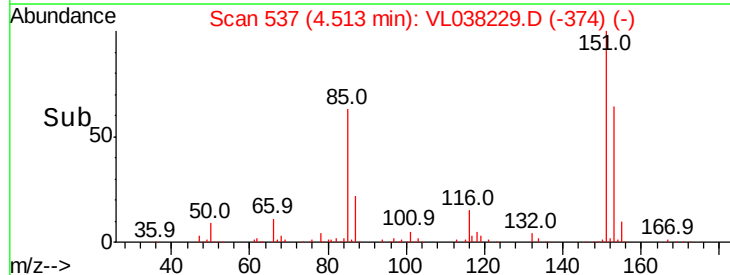
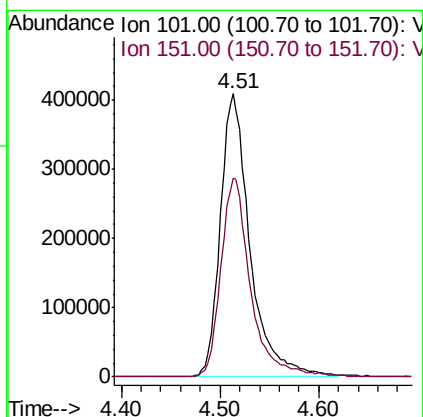
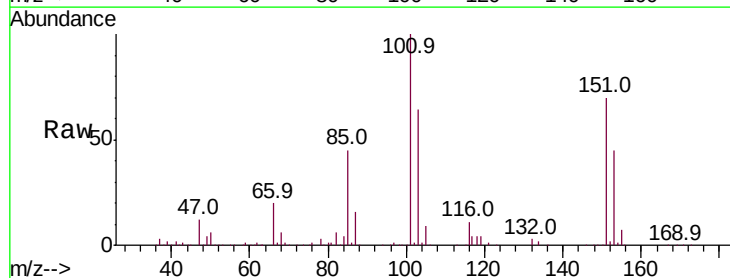
Manual Integrations
 APPROVED

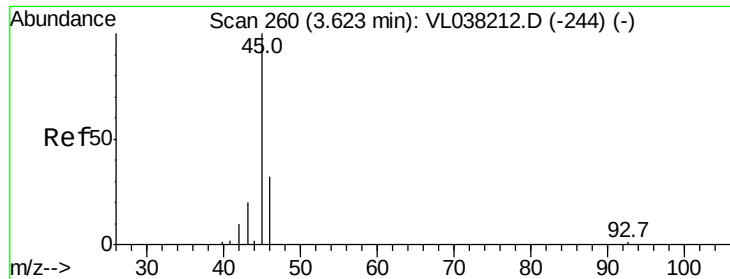
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.052 ppbv
 RT: 4.51 min Scan# 537
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion:101 Resp: 864680
 Ion Ratio Lower Upper
 101 100
 151 70.4 58.6 87.8





#13

Ethanol

Concen: 6.926 ppbv m

RT: 3.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 9:32 VSTDCCC010EC

Tot Ion:

Ion Ratio

45 100

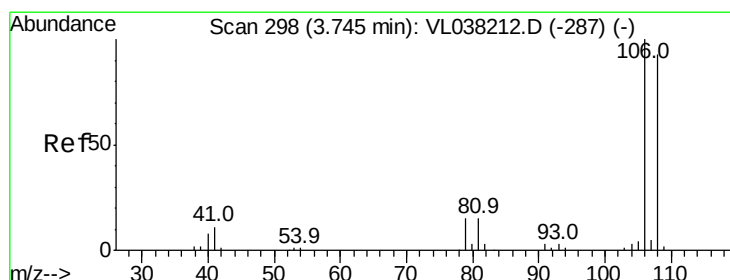
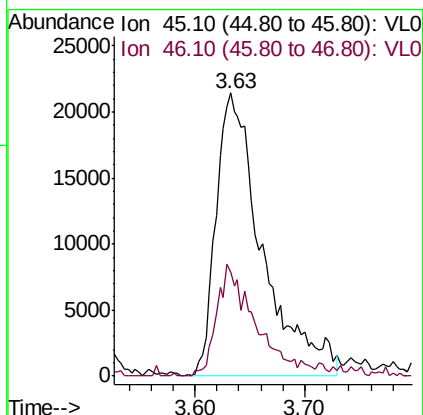
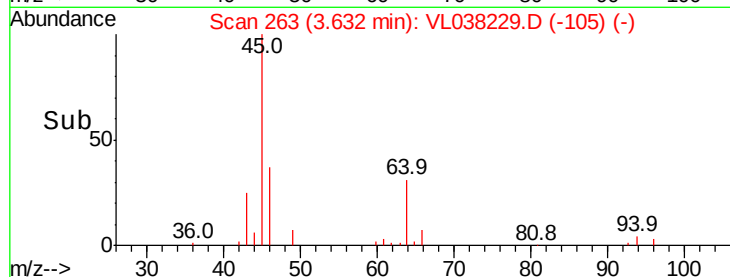
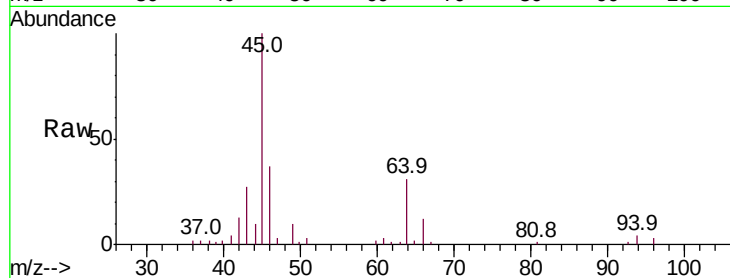
46 36.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#14

Bromoethene

Concen: 9.224 ppbv

RT: 3.77 min Scan# 305

Delta R.T. 0.02 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

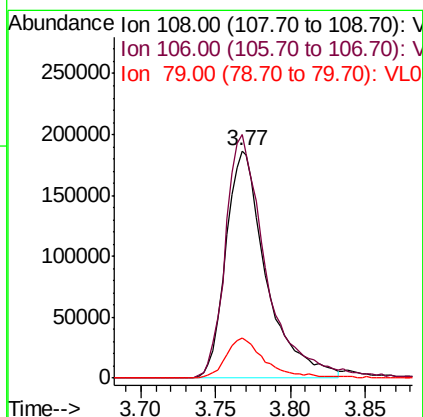
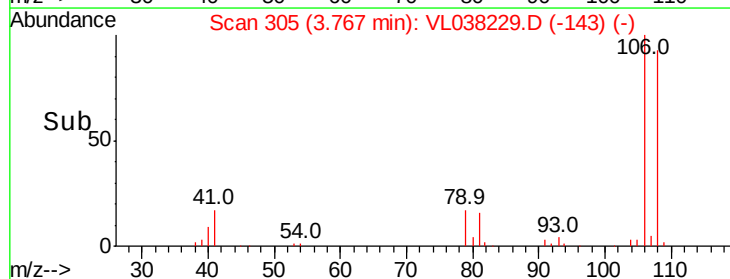
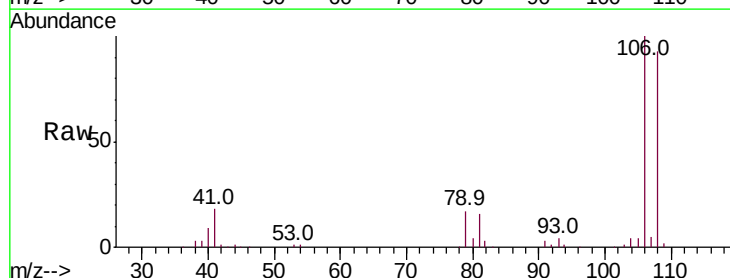
Tgt Ion:108 Resp: 351019

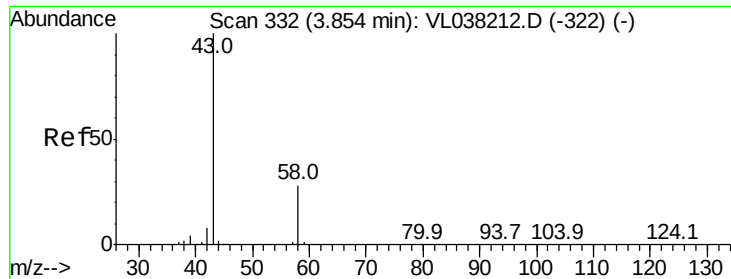
Ion Ratio Lower Upper

108 100

106 109.6 88.2 132.2

79 17.8 13.7 20.5





#15

Acetone

Concen: 8.246 ppbv

RT: 3.88

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 9:32 VSTDCCC010EC

Tot Ion:

Ion Ratio

43 100

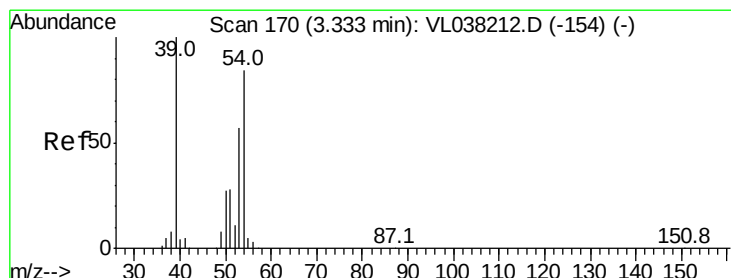
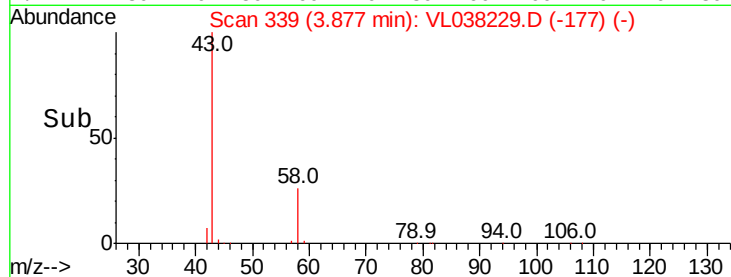
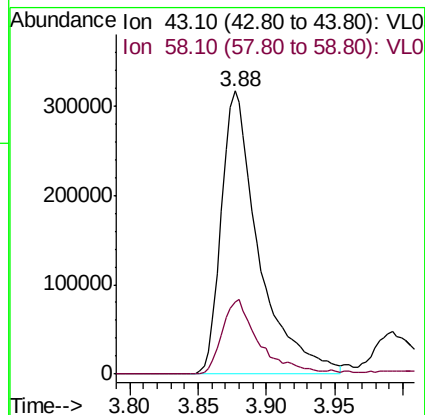
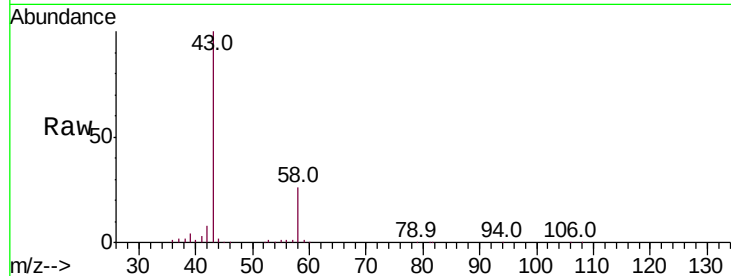
58 26.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#16

1,3-Butadiene

Concen: 9.046 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.02 min

Lab File: VL038229.D

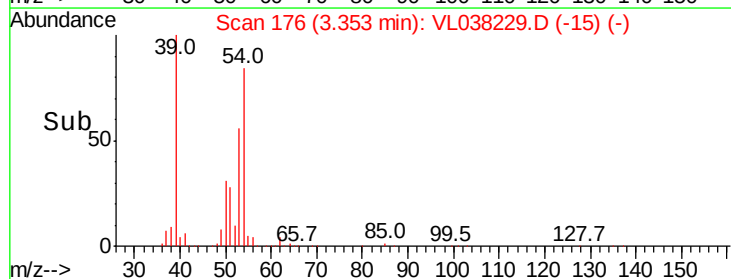
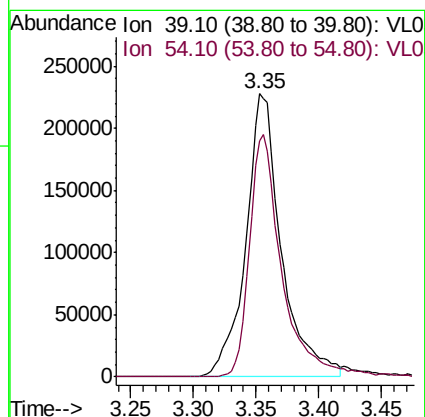
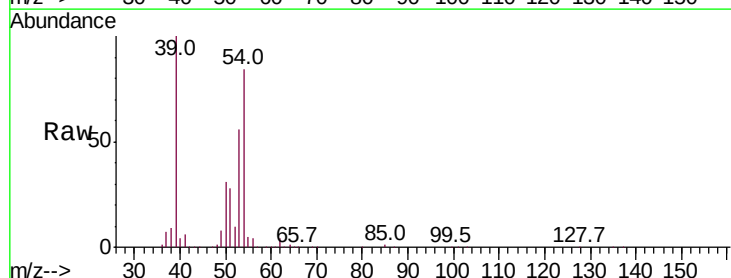
Acq: 22 Dec 2021 9:32

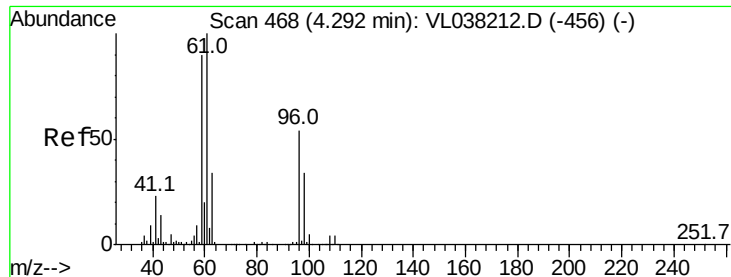
Tgt Ion: 39 Resp: 451984

Ion Ratio Lower Upper

39 100

54 78.4 62.9 94.3





#17

tert-Butyl alcohol

Concen: 8.698 ppbv

RT: 4.32

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 9:32 VSTDCCC010EC

Tot Ion:

Ion Ratio

59 100

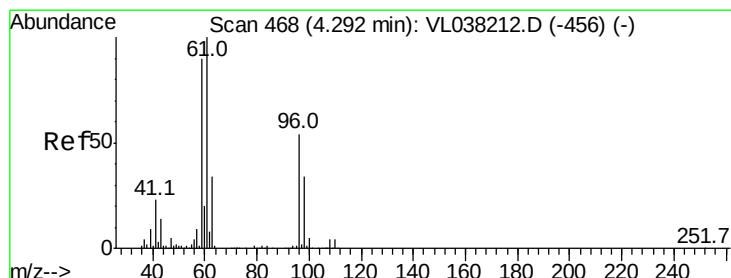
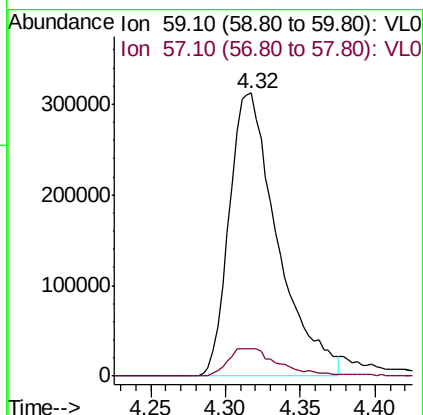
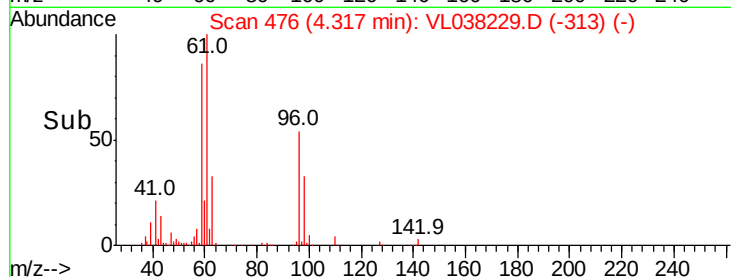
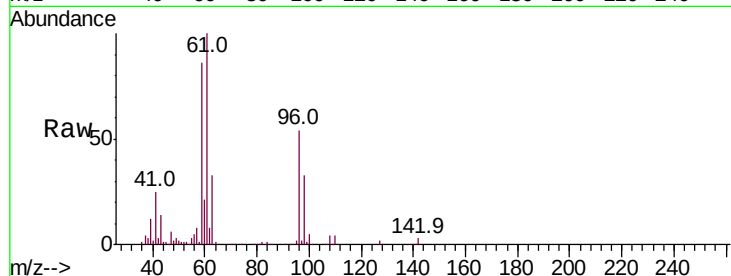
57 11.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#18

1,1-Dichloroethene

Concen: 8.766 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.03 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

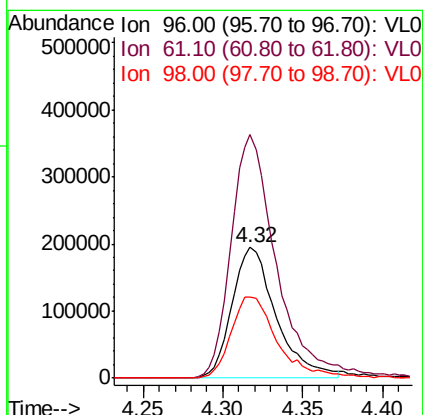
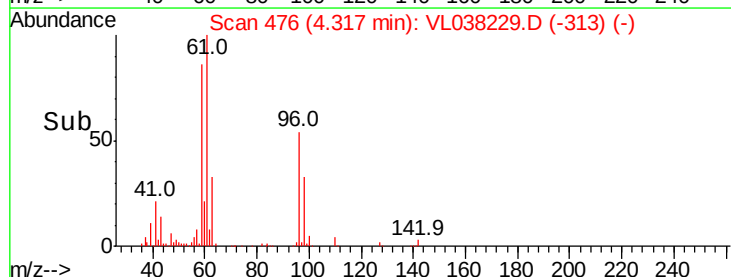
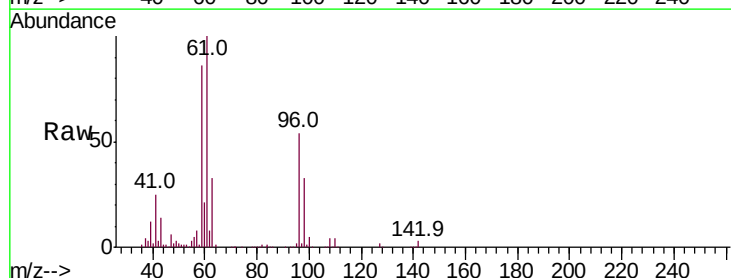
Tgt Ion: 96 Resp: 366710

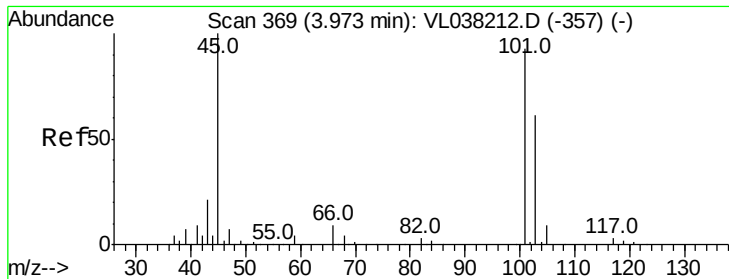
Ion Ratio Lower Upper

96 100

61 186.5 147.4 221.0

98 62.3 50.7 76.1





#19

Isopropyl Alcohol

Concen: 8.777 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 9:32 VSTDCCC010EC

Tot Ion:

Ion Ratio

45 100

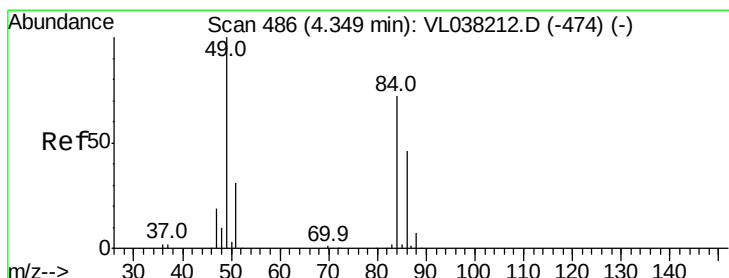
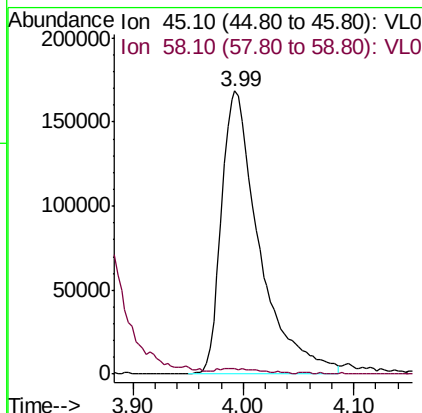
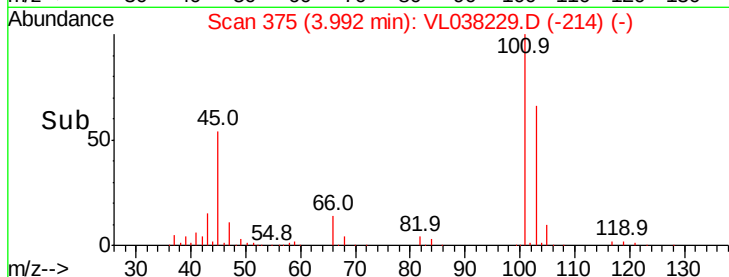
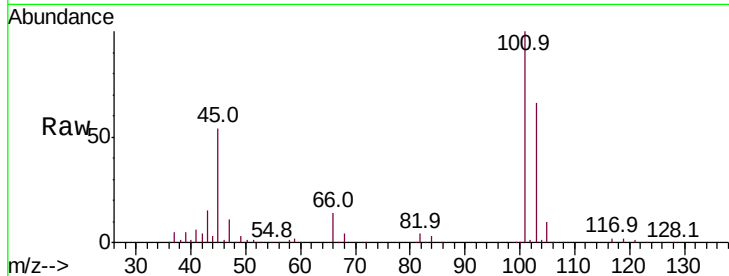
58 2.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#20

Methylene Chloride

Concen: 8.037 ppbv

RT: 4.37 min Scan# 493

Delta R.T. 0.02 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

Tgt Ion: 84 Resp: 332786

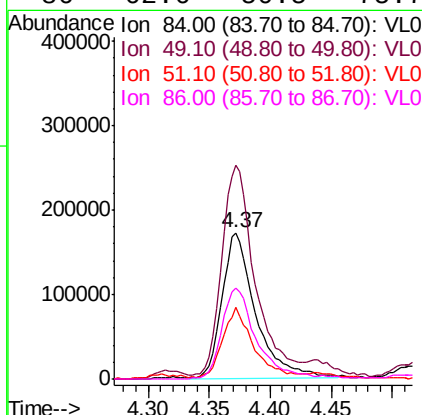
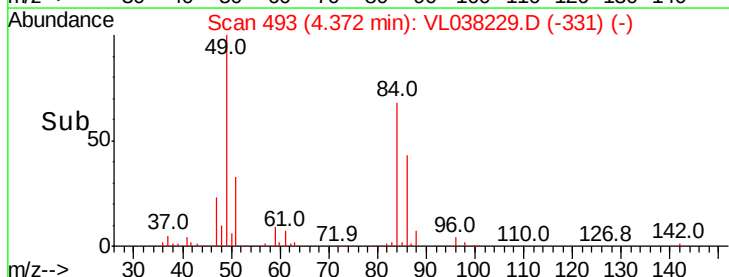
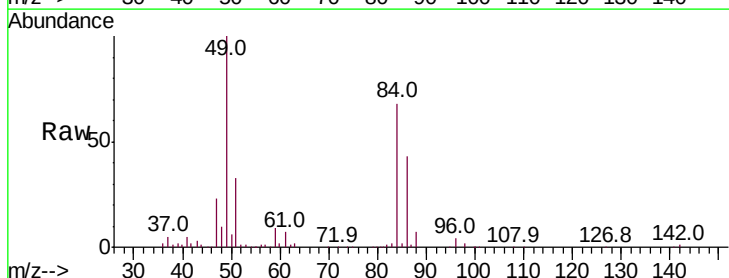
Ion Ratio Lower Upper

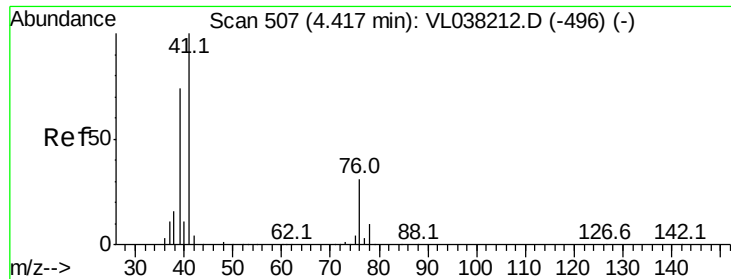
84 100

49 144.4 110.6 166.0

51 47.9 34.2 51.2

86 62.6 50.5 75.7



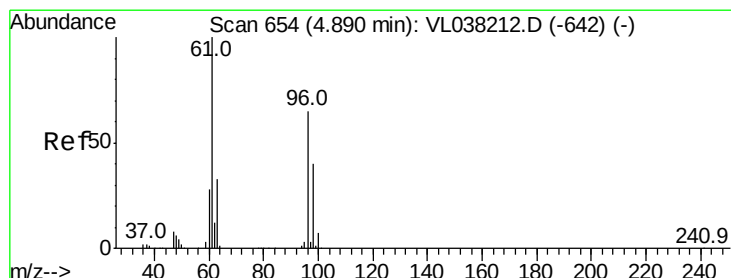
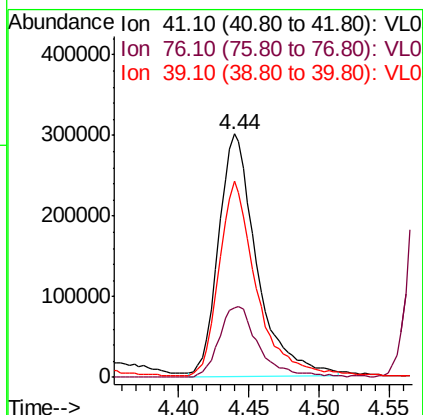
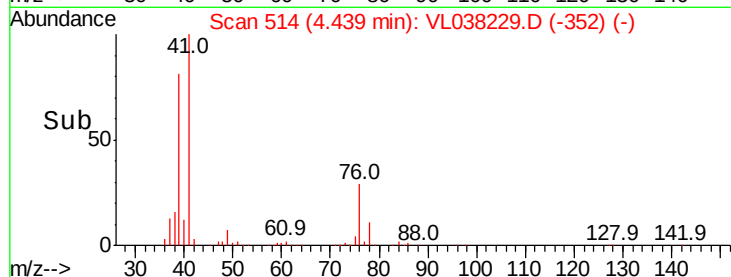
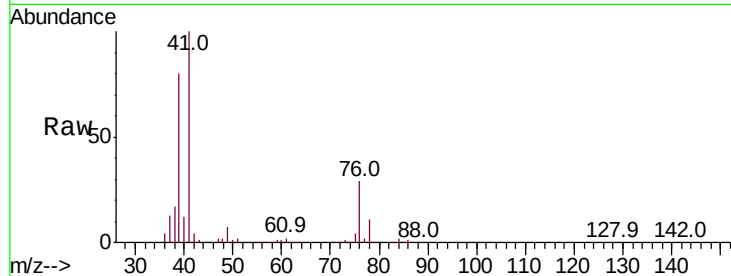


#21
Allvl Chloride
Concen: 9.178 ppbv
RT: 4.44
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 22 Dec 2021 9:32

Tot Ion:
Ion Ratio
41 100
76 30.
39 78.

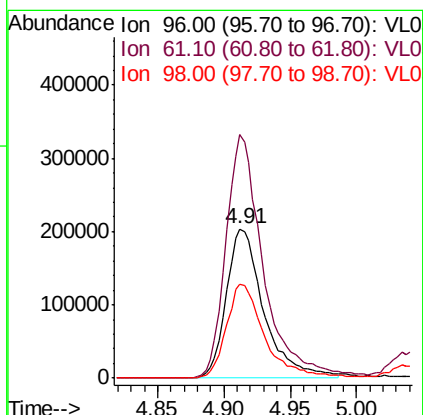
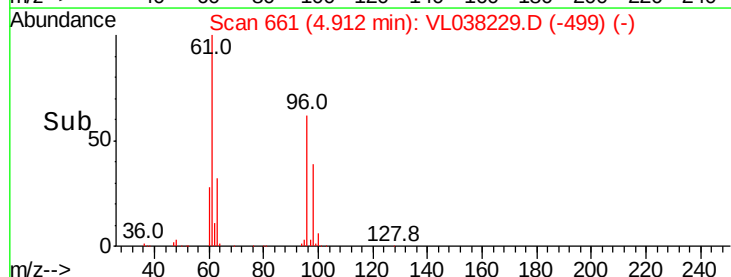
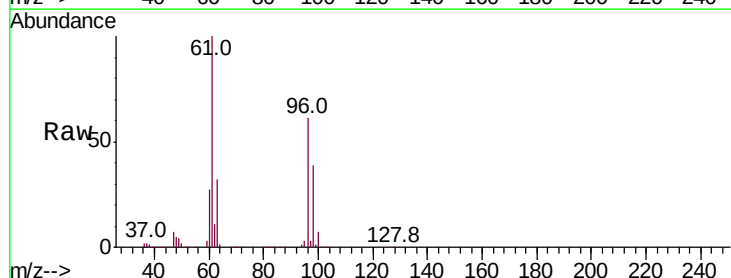
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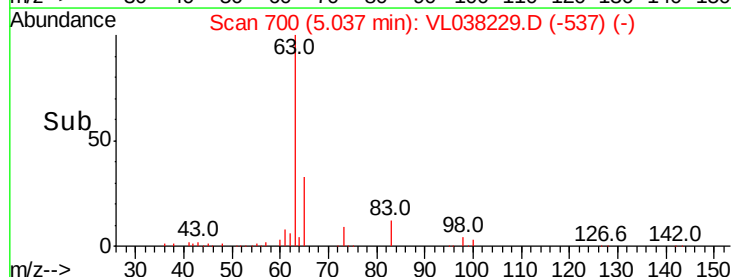
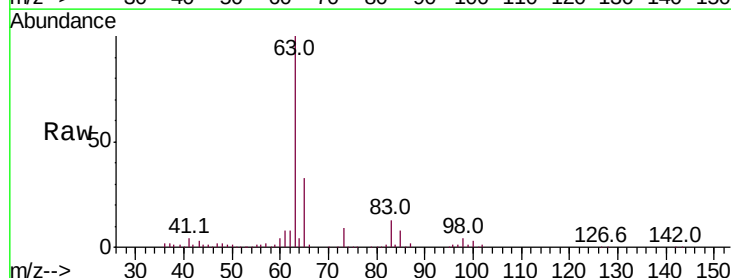
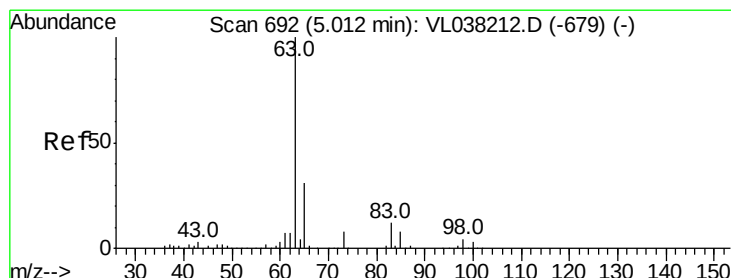
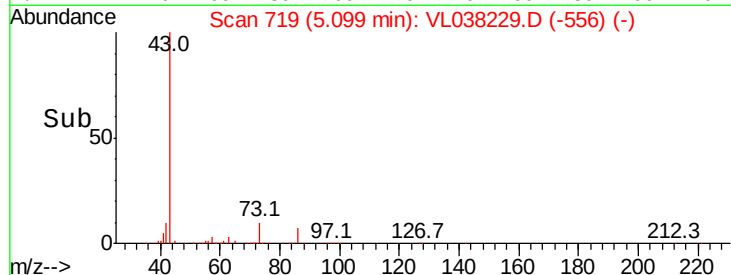
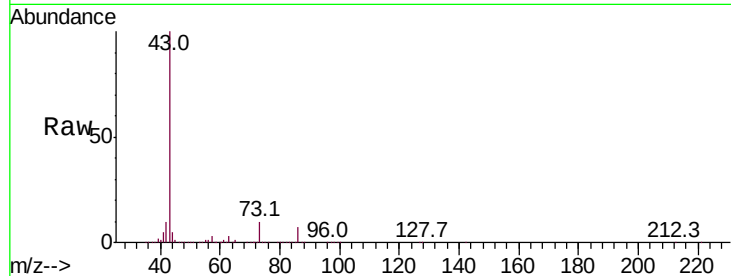
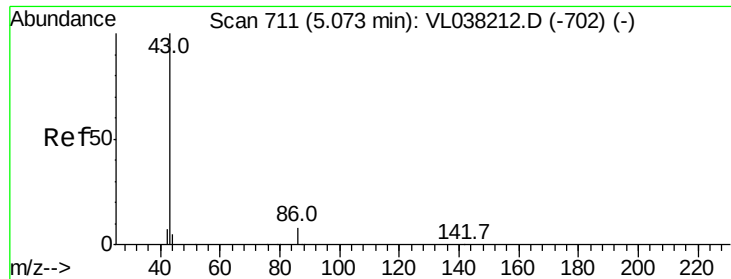
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#22
trans-1,2-Dichloroethene
Concen: 9.398 ppbv
RT: 4.91 min Scan# 661
Delta R.T. 0.02 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 96 Resp: 401095
Ion Ratio Lower Upper
96 100
61 162.7 123.5 185.3
98 62.8 50.0 75.0





#23

Vinyl Acetate

Concen: 9.334 ppbv

RT: 5.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 9:32

Tot Ion:

Ion Ratio

43 100

86 7.

42 9.

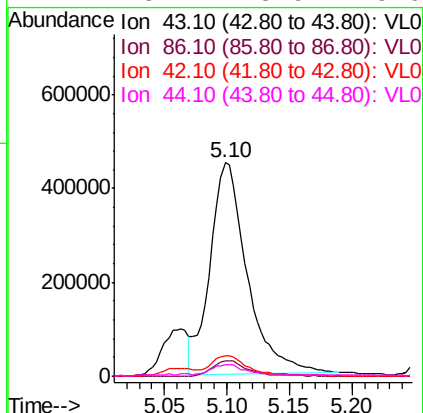
44 5.1

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Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#24

1,1-Dichloroethane

Concen: 8.841 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.03 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

Tgt Ion: 63 Resp: 785111

Ion Ratio Lower Upper

63 100

98 4.3

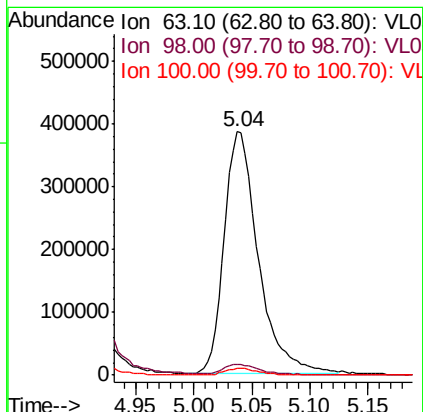
100 2.7

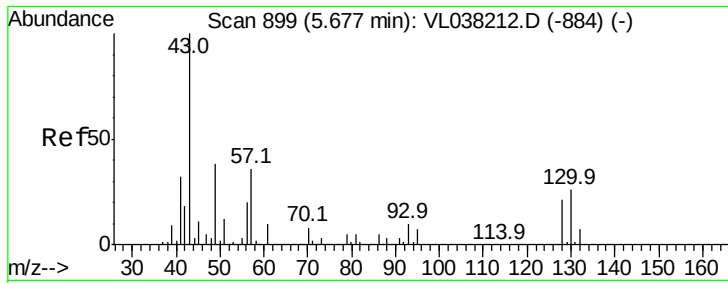
2.2

1.5

6.6

4.4



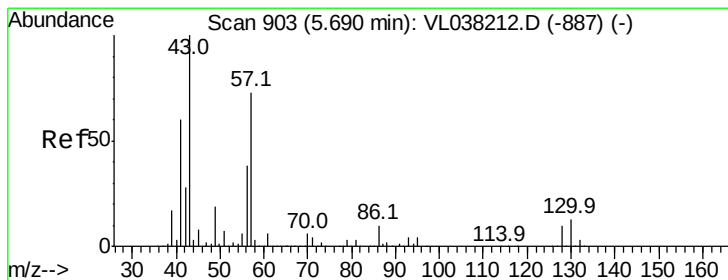
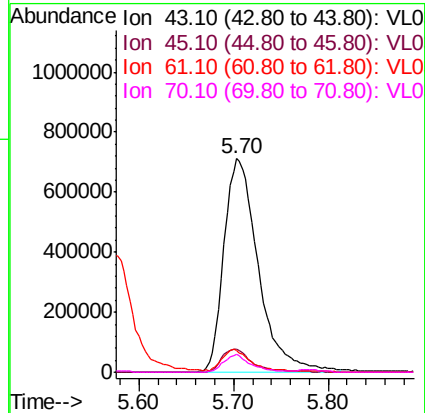
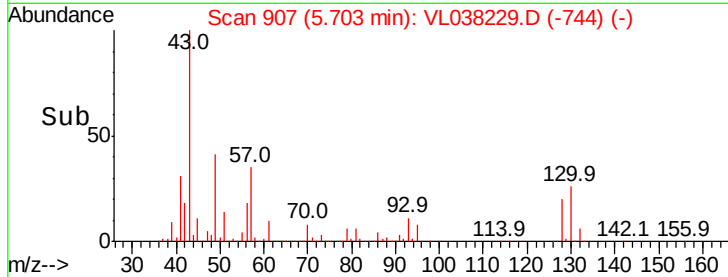
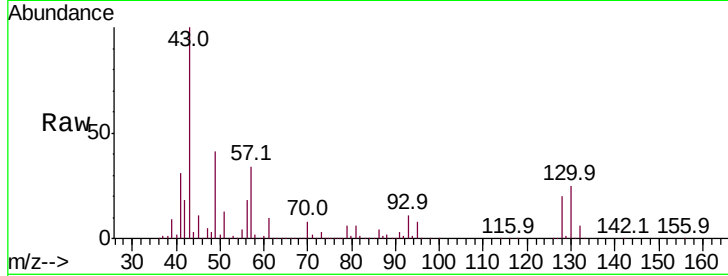


#25
Ethyl Acetate
Concen: 9.031 ppbv
RT: 5.70
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Dec 2021 9:32
VSTDCCC010EC

Tot Ion:
Ion Ratio
43 100
45 9.
61 9.
70 6.8 5.5 8.3

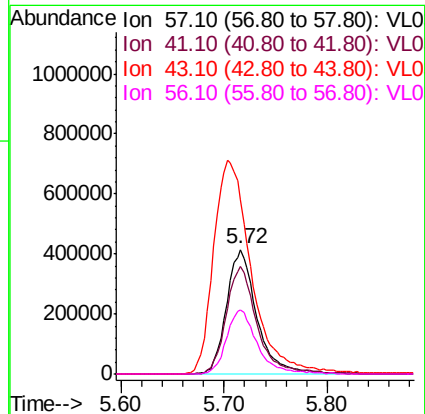
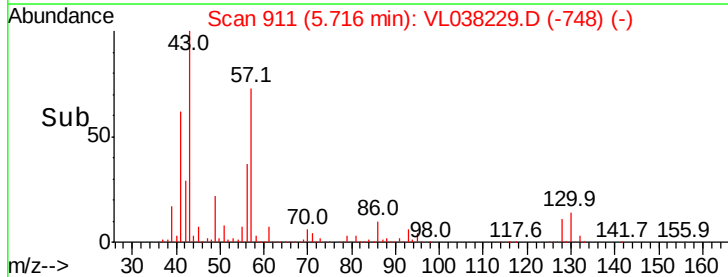
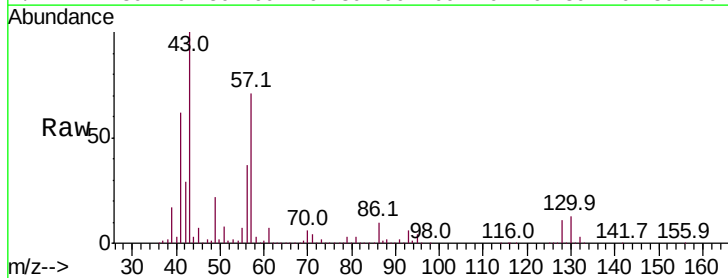
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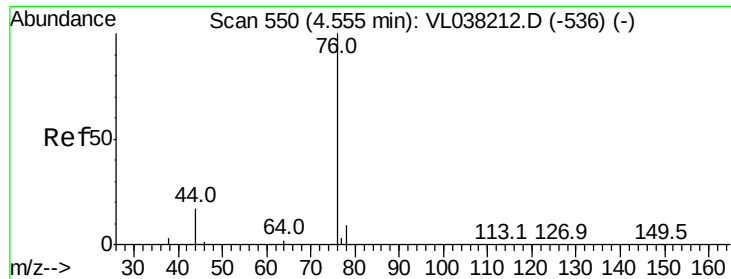
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#26
Hexane
Concen: 8.483 ppbv
RT: 5.72 min Scan# 911
Delta R.T.: 0.03 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 57 Resp: 845700
Ion Ratio Lower Upper
57 100
41 89.2 69.0 103.6
43 214.0 171.2 256.8
56 52.9 41.5 62.3



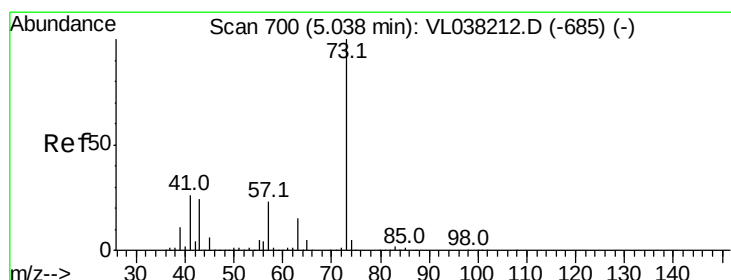
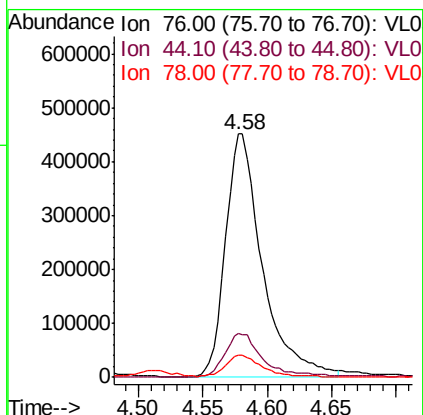
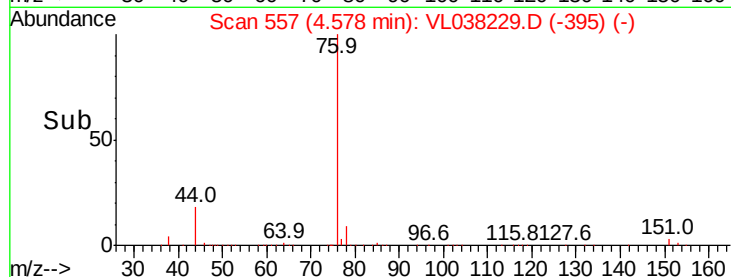
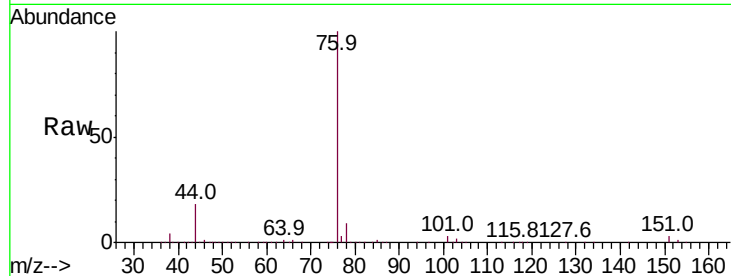


#27
Carbon Disulfide
Concen: 10.194 ppbv
RT: 4.58
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 22 Dec 2021 9:32

Tot Ion:
Ion Ratio
76 100
44 18.
78 9.

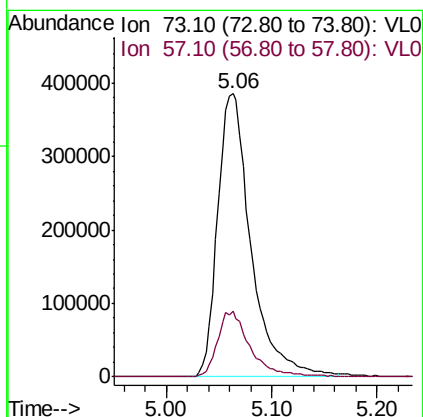
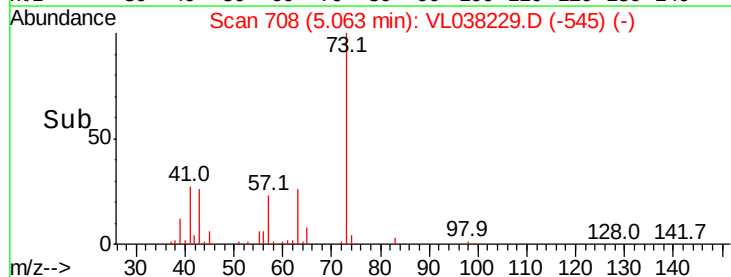
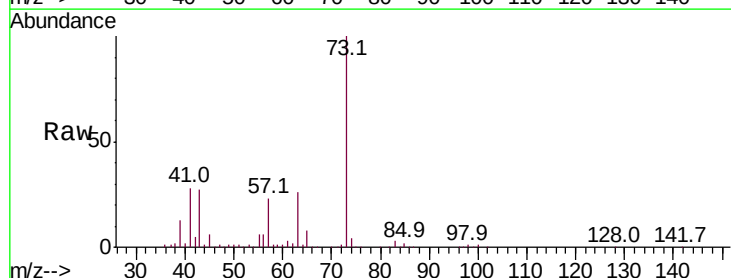
Manual Integrations
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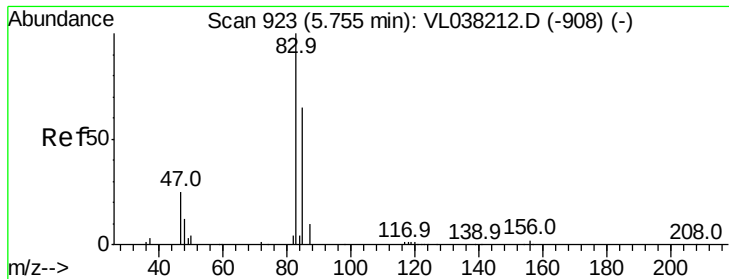
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#28
Methyl tert-Butyl Ether
Concen: 8.408 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.03 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 73 Resp: 842382
Ion Ratio Lower Upper
73 100
57 22.9 18.8 28.2



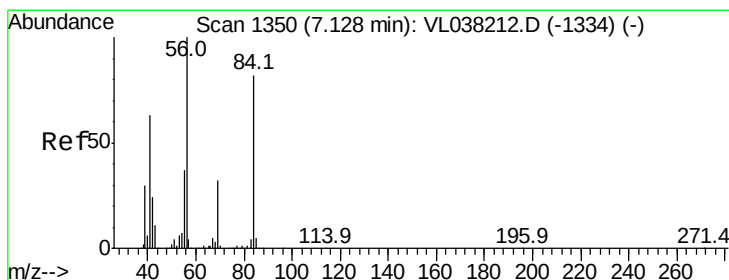
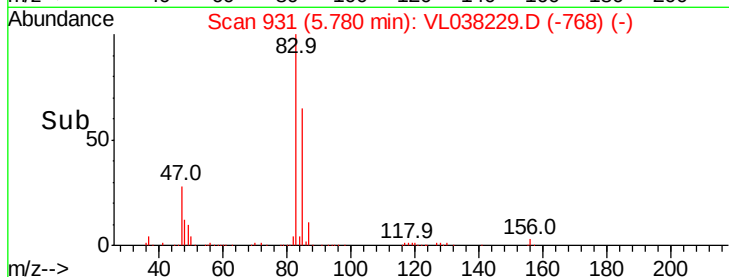
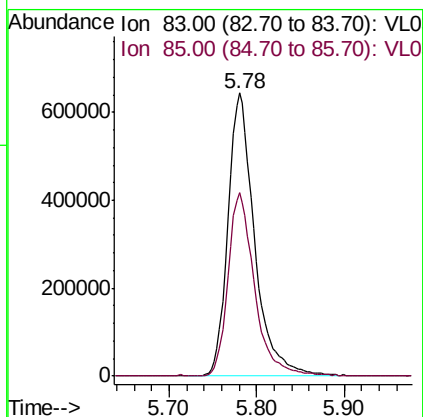
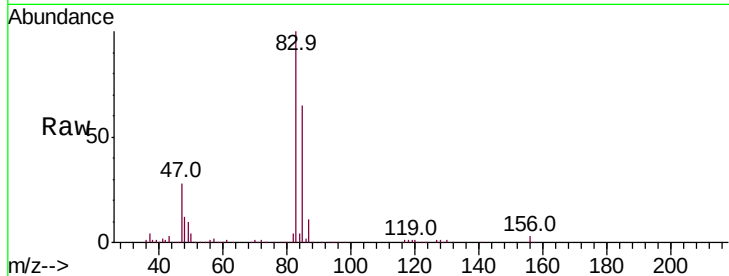


#29
Chloroform
Concen: 9.196 ppbv
RT: 5.78
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 22 Dec 2021 9:32

Tot Ion:
Ion Ratio
83 100
85 64.

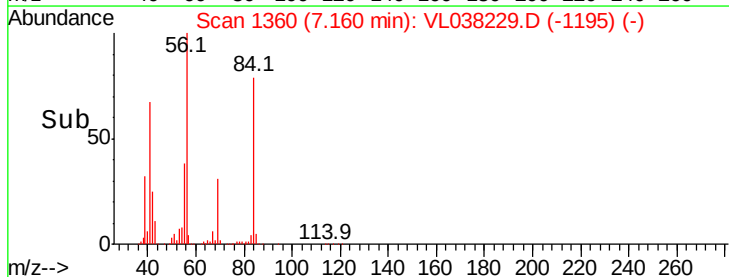
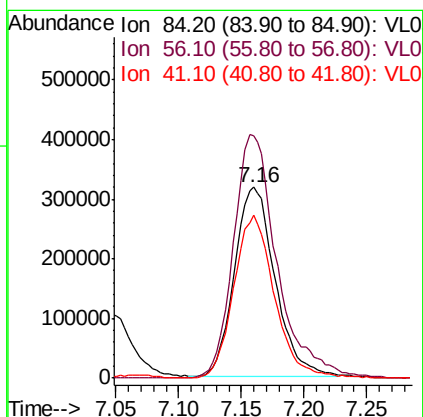
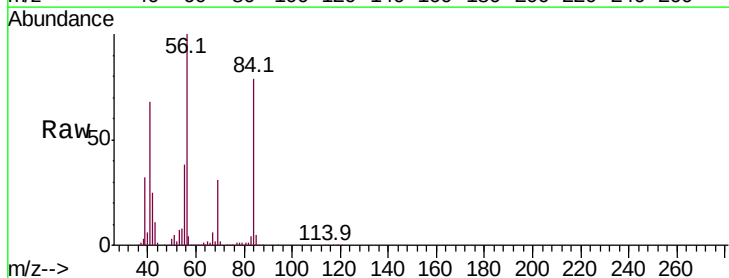
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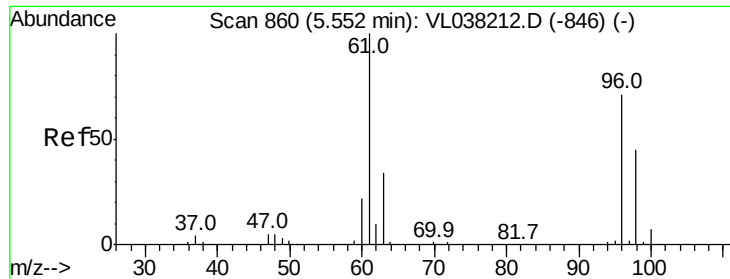
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#30
Cyclohexane
Concen: 8.121 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.03 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 84 Resp: 717035
Ion Ratio Lower Upper
84 100
56 138.5 105.2 157.8
41 86.8 63.2 94.8



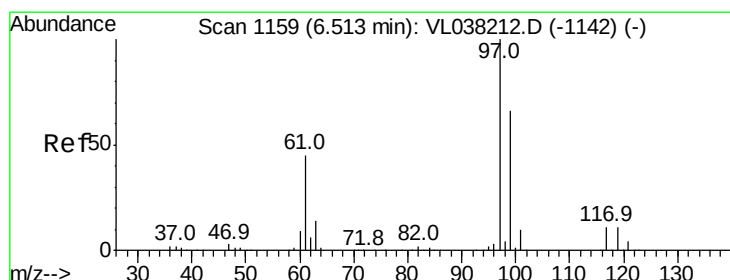
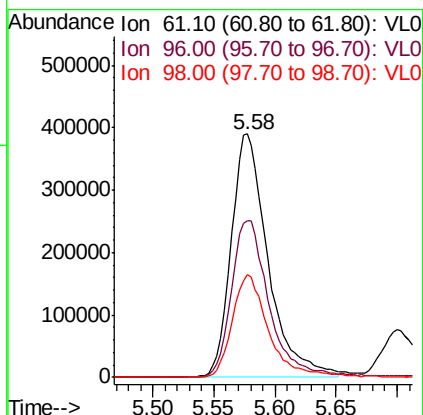
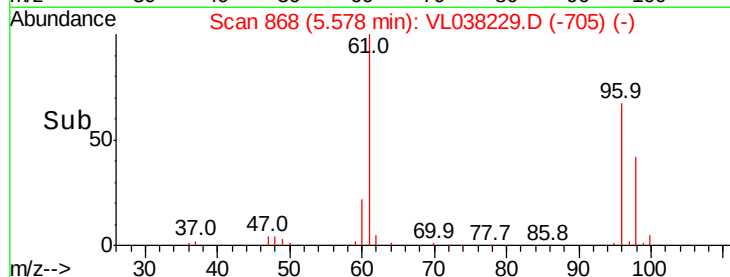
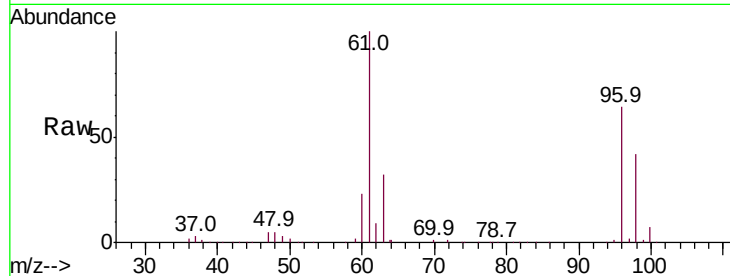


#31
 cis-1,2-Dichloroethene
 Concen: 10.452 ppbv
 RT: 5.58
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDC010EC
 Acq: 22 Dec 2021 9:32

Tot Ion:
 Ion Ratio
 61 100
 96 64.
 98 42.

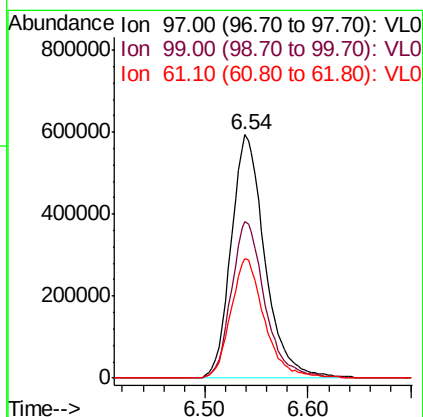
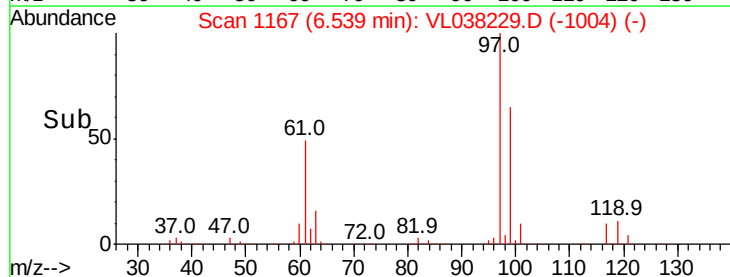
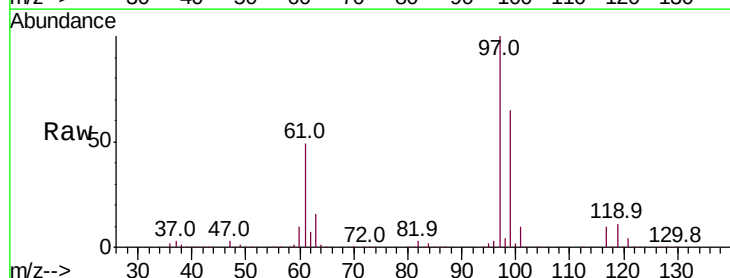
Manual Integrations
 APPROVED

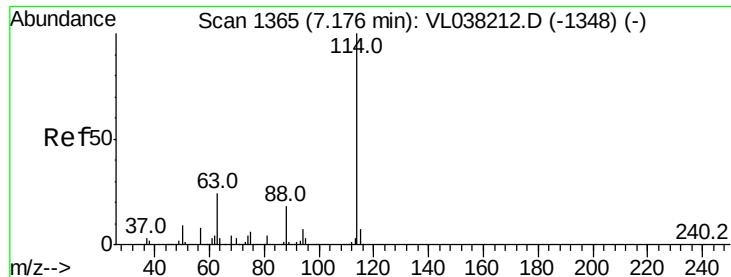
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#32
 1,1,1-Trichloroethane
 Concen: 9.189 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion: 97 Resp: 1348750
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.4 78.6
 61 49.5 37.2 55.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20

Instrument: MSVOA_L

Delta R.T.:

Client Sample Id: VSTDCCC010EC

Lab File:

Acq: 22 Dec 2021 9:32

Tot Ion: 1

Ion Ratio

114 100

63 26.

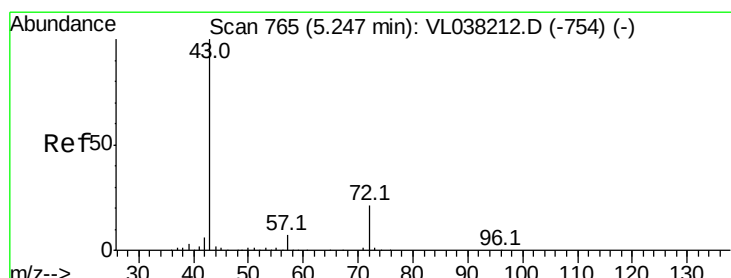
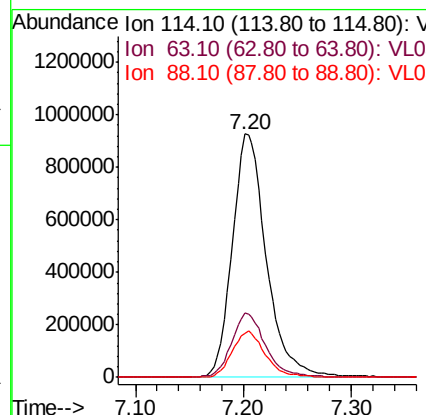
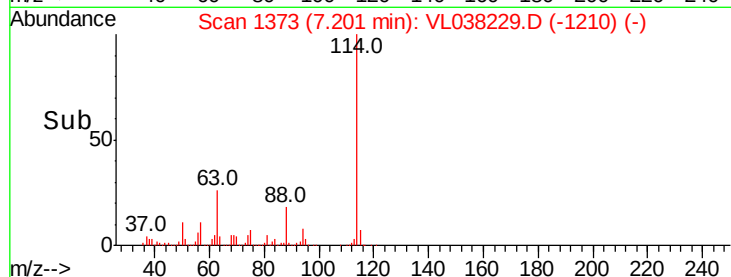
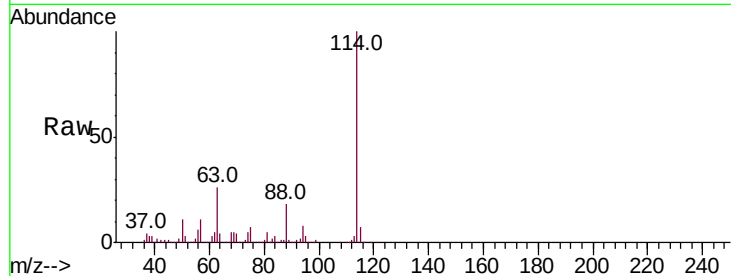
88 18.

Manual Integrations

APPROVED

Reviewed By: Amit Patel 12/23/2021

Supervised By: Mahesh Dadoda 12/29/2021



#34

2-Butanone

Concen: 10.215 ppbv

RT: 5.27 min Scan# 773

Delta R.T. 0.03 min

Lab File: VL038229.D

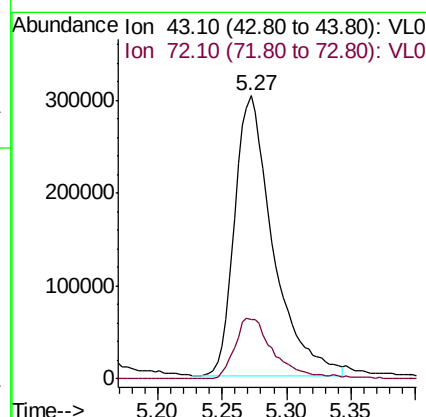
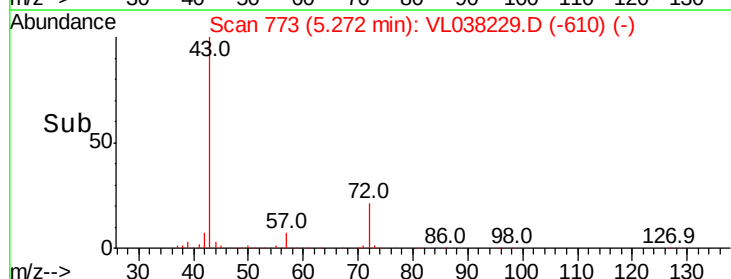
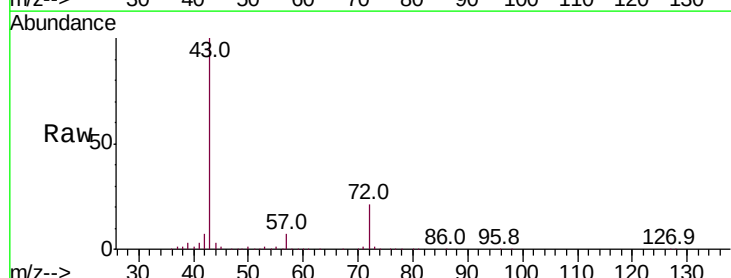
Acq: 22 Dec 2021 9:32

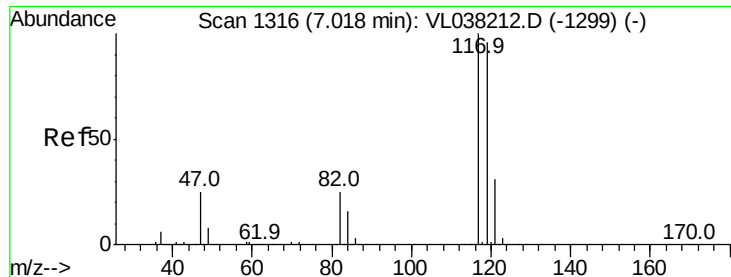
Tgt Ion: 43 Resp: 625918

Ion Ratio Lower Upper

43 100

72 22.7 18.3 27.5





#35

Carbon Tetrachloride

Concen: 10.919 ppbv

RT: 7.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 9:32 VSTDCC010EC

Tot Ion:1

Ion Ratio

117 100

119 95.

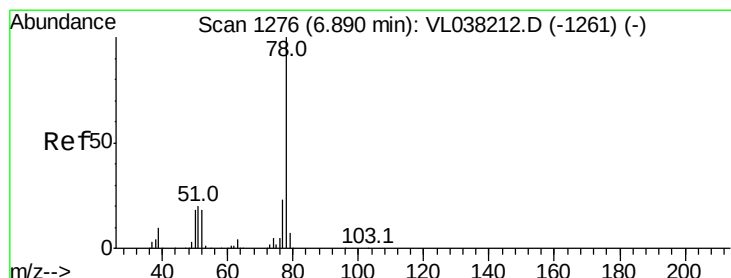
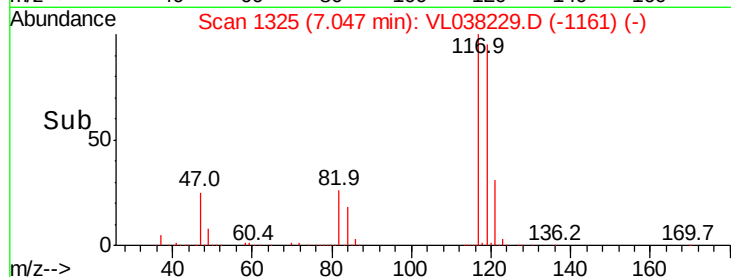
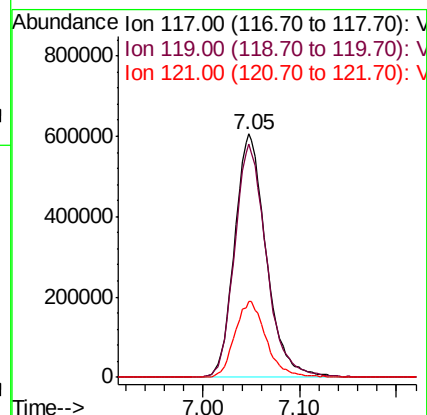
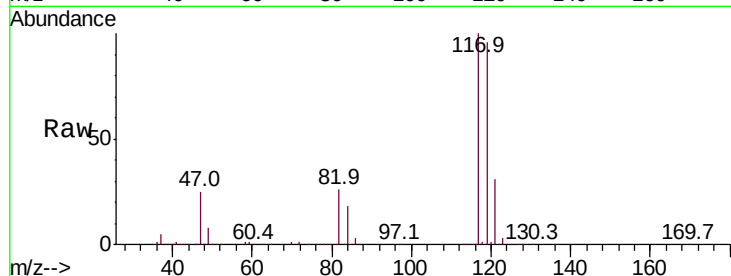
121 31.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#36

Benzene

Concen: 9.267 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. 0.03 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

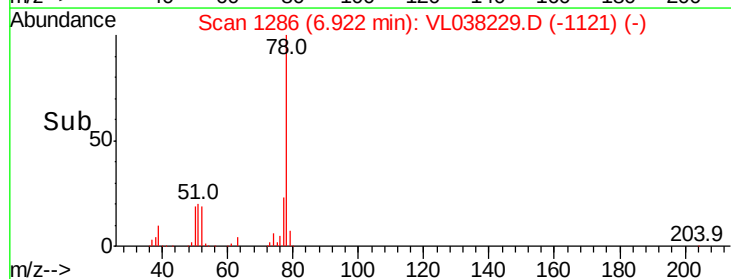
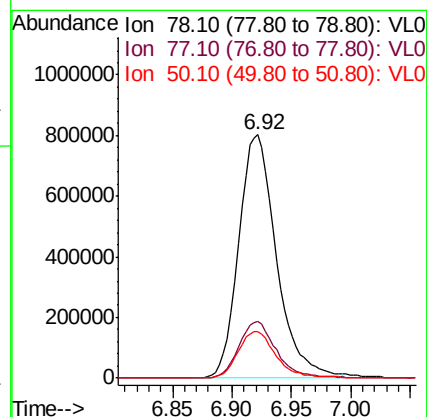
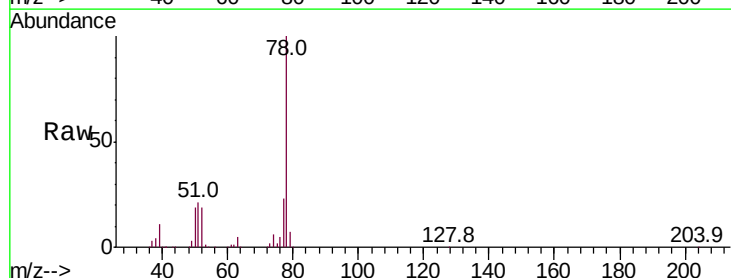
Tgt Ion: 78 Resp: 1762133

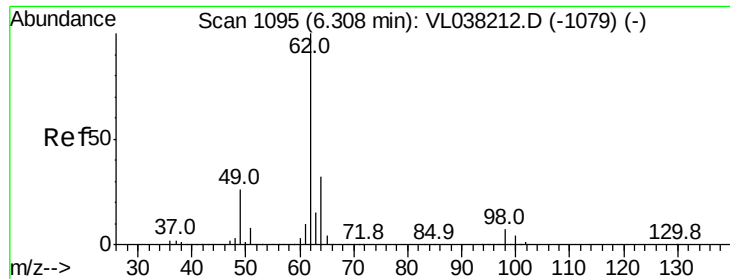
Ion Ratio Lower Upper

78 100

77 23.1 18.2 27.4

50 19.0 14.3 21.5



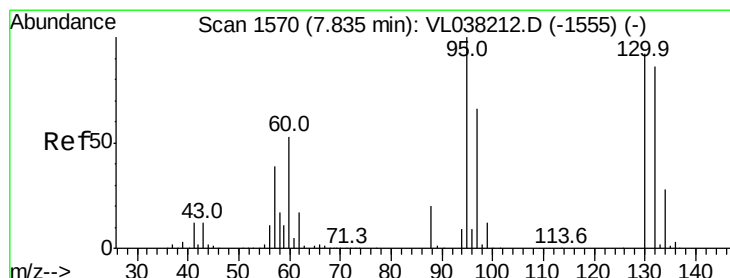
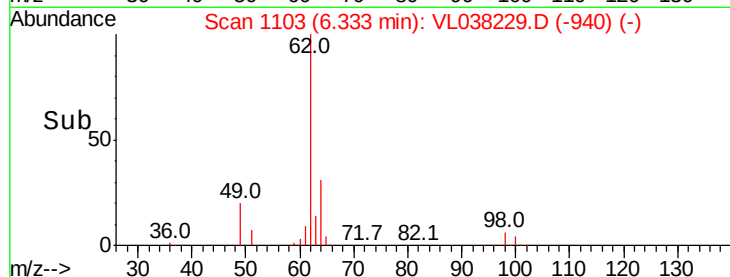
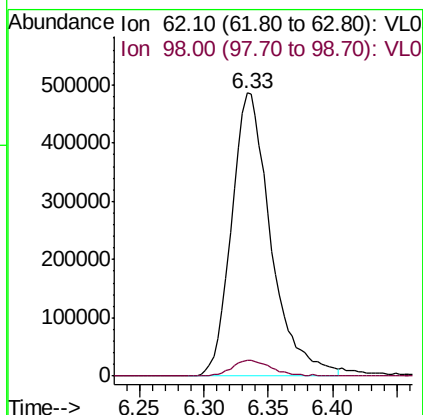
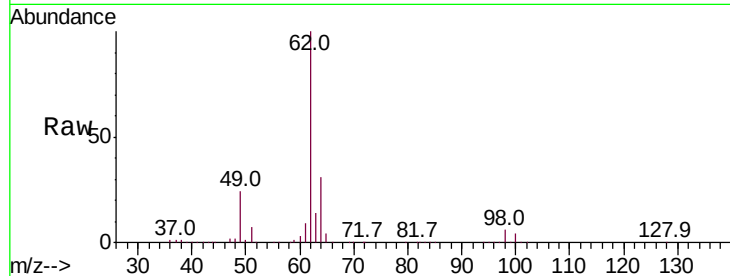


#37
 1,2-Dichloroethane
 Concen: 10.806 ppbv
 RT: 6.33
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 22 Dec 2021 9:32

Tot Ion:
 Ion Ratio
 62 100
 98 6.

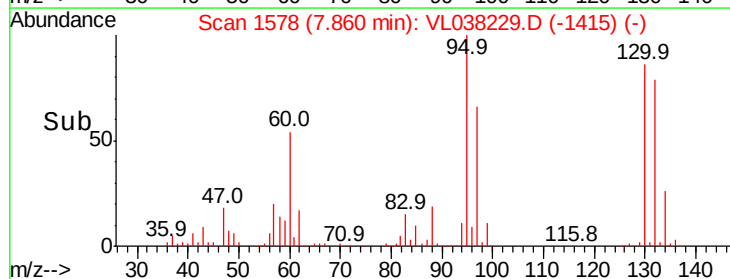
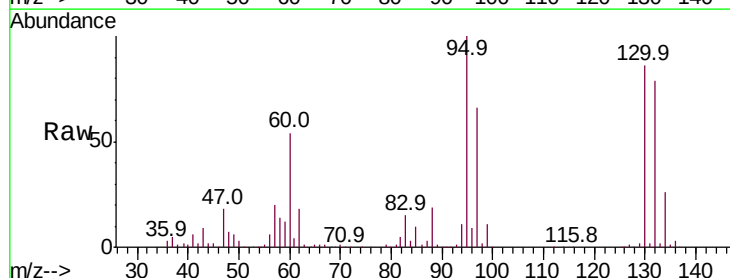
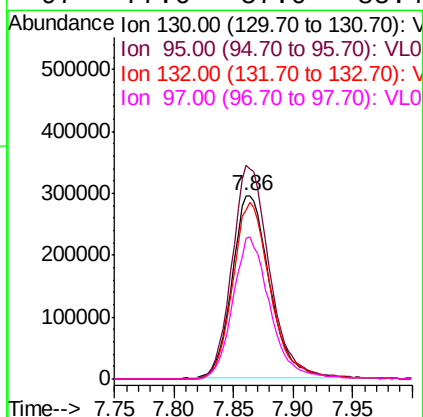
Manual Integrations
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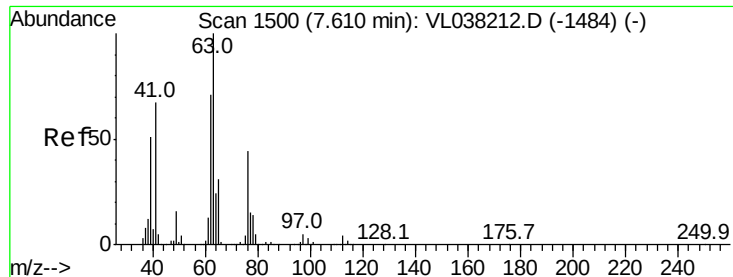
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#38
 Trichloroethene
 Concen: 8.951 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion:130 Resp: 647767
 Ion Ratio Lower Upper
 130 100
 95 117.0 87.0 130.4
 132 92.3 75.1 112.7
 97 77.6 57.0 85.4



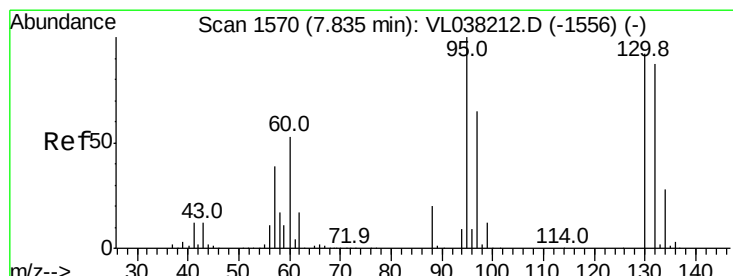
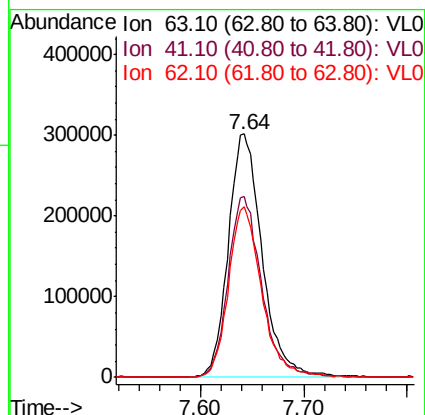
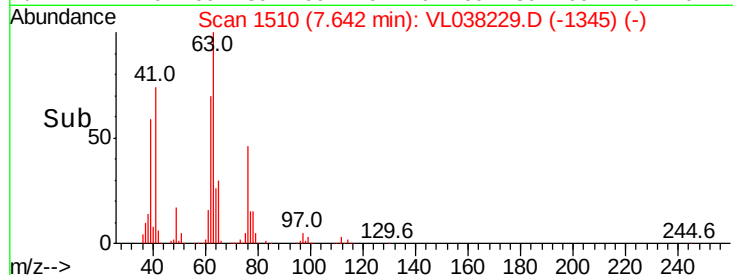
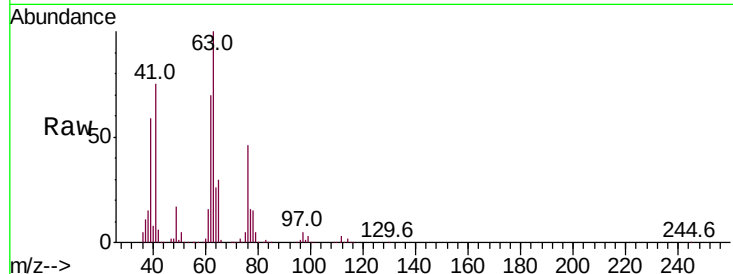


#39
 1,2-Dichloropropane
 Concen: 9.339 ppbv
 RT: 7.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 22 Dec 2021 9:32

Tot Ion:
 Ion Ratio
 63 100
 41 74.
 62 70.

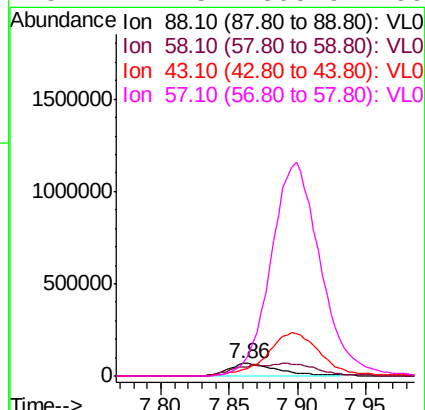
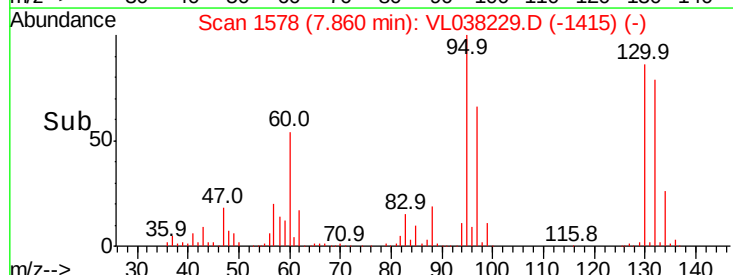
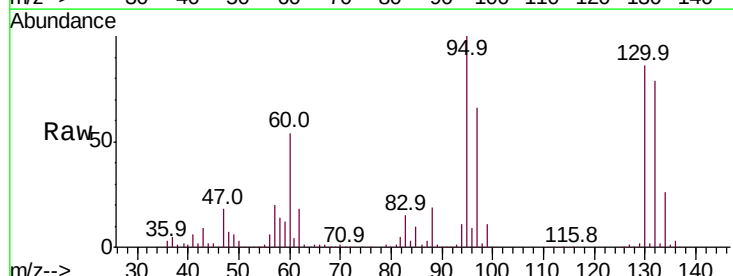
Manual Integrations
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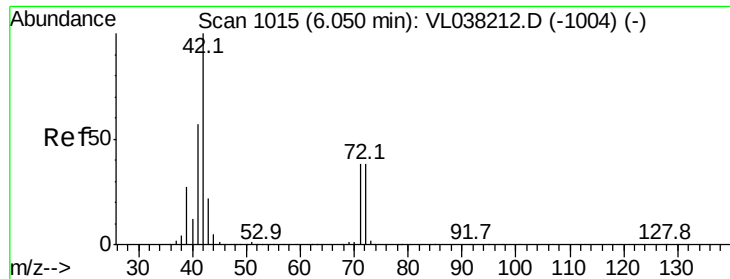
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#40
 1,4-Dioxane
 Concen: 7.904 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion: 88 Resp: 168270
 Ion Ratio Lower Upper
 88 100
 58 158.8 127.8 191.8
 43 392.1 301.0 451.6
 57 1747.3 1395.5 2093.3



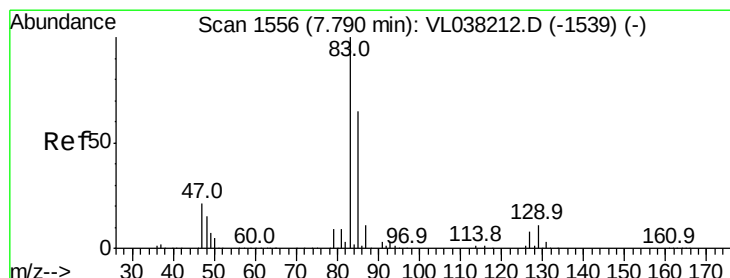
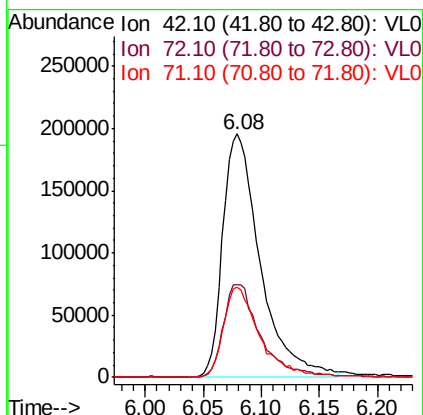
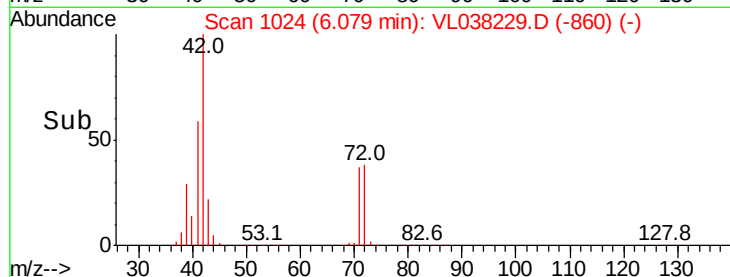
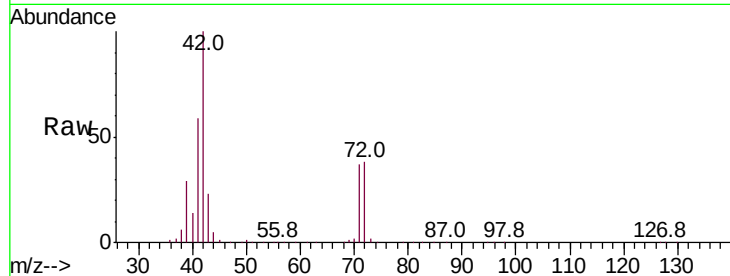


#41
Tetrahydrofuran
Concen: 9.791 ppbv
RT: 6.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDC010EC
Acq: 22 Dec 2021 9:32

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

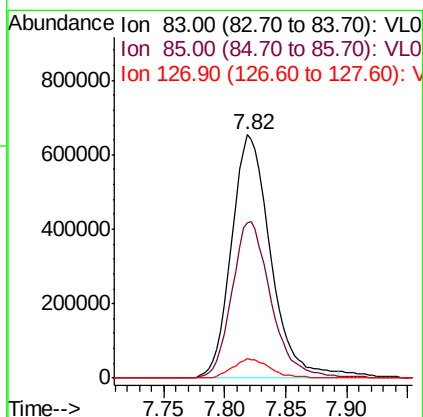
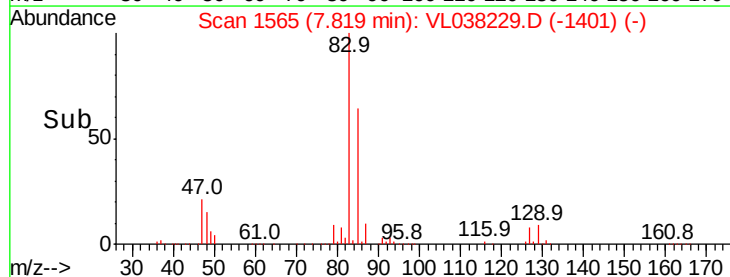
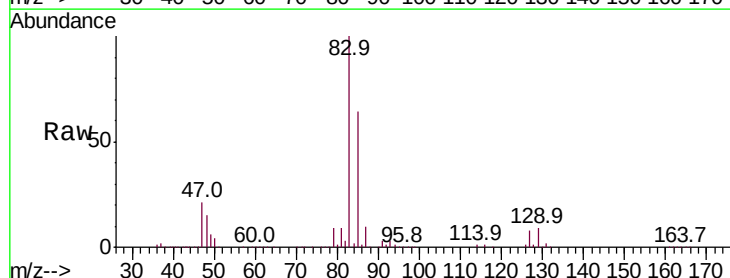
Manual Integrations
APPROVED

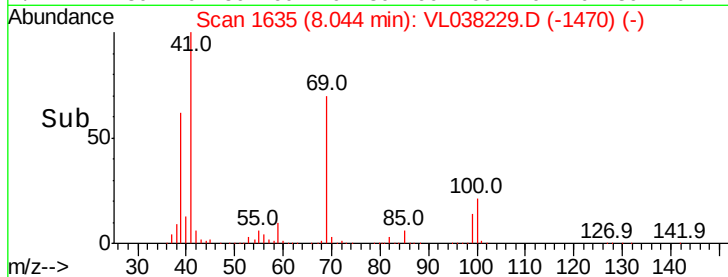
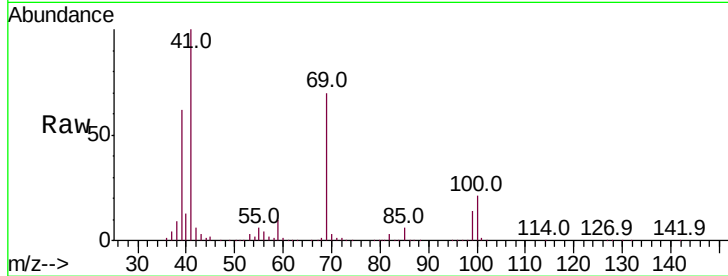
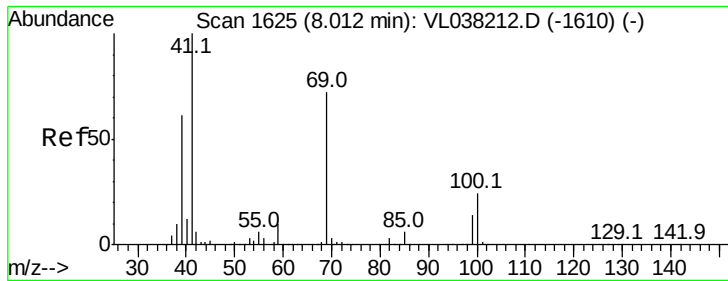
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#42
Bromodichloromethane
Concen: 10.699 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.03 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 83 Resp: 1452549
Ion Ratio Lower Upper
83 100
85 63.8 52.0 78.0
127 7.9 6.1 9.1





#43

Methyl Methacrylate

Concen: 9.963 ppbv

RT: 8.04

Instrument: MSVOA_1

Delta R.T. 0.03

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 22 Dec 2021 9:32

Tot Ion:

Ion Ratio

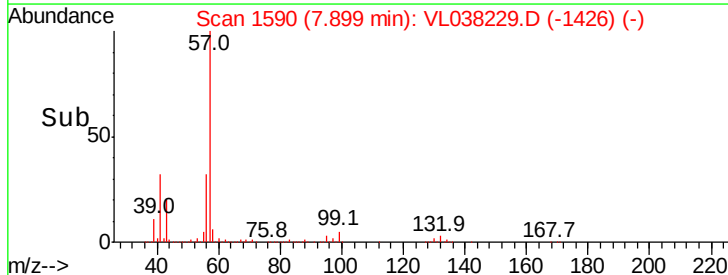
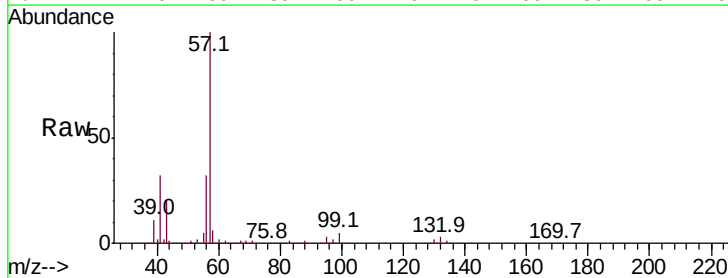
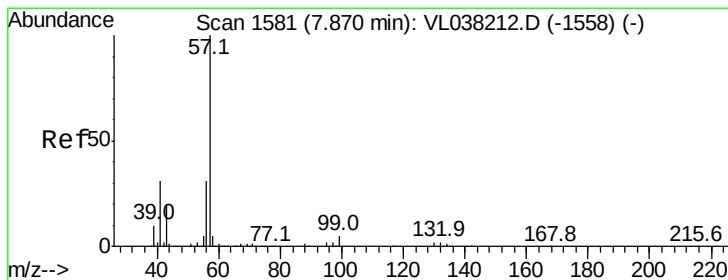
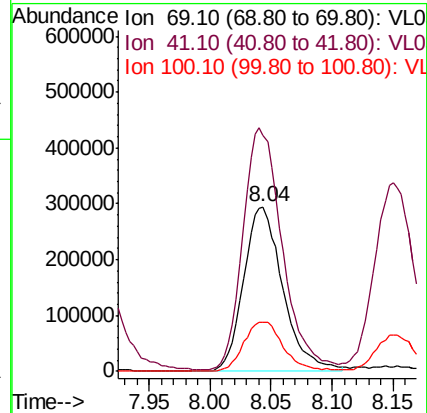
69	100
41	149.
100	30.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#44

2,2,4-Trimethylpentane

Concen: 9.075 ppbv

RT: 7.90 min Scan# 1590

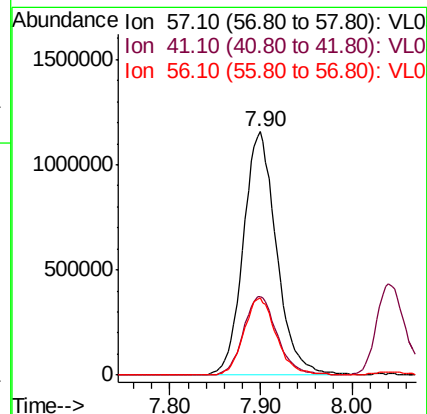
Delta R.T. 0.03 min

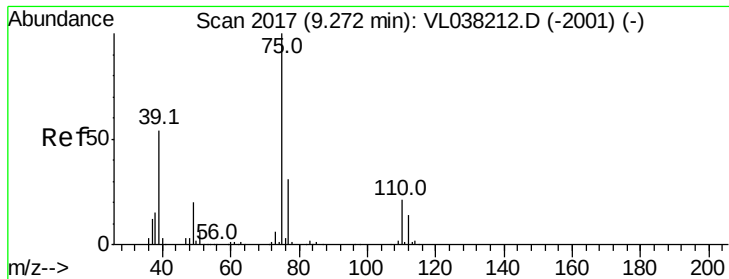
Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

Tgt Ion: 57 Resp: 2931347

Ion	Ratio	Lower	Upper
57	100		
41	32.8	24.9	37.3
56	31.2	24.8	37.2





#45

t-1,3-Dichloropropene

Concen: 11.726 ppbv

RT: 9.31 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 VSTDCCC010EC

Tot Ion:

Ion Ratio

75 100

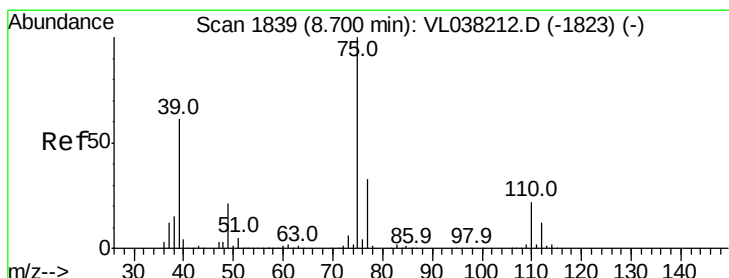
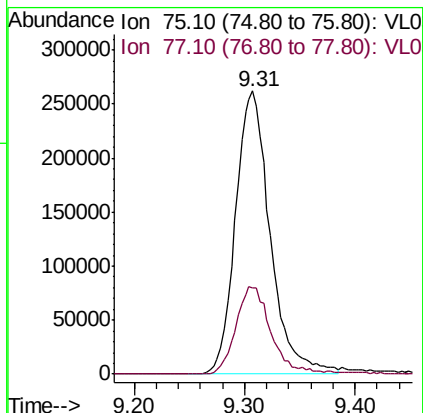
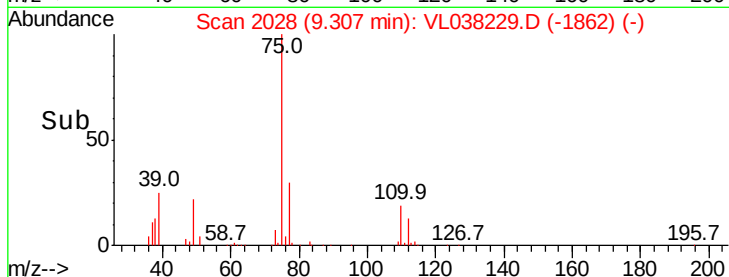
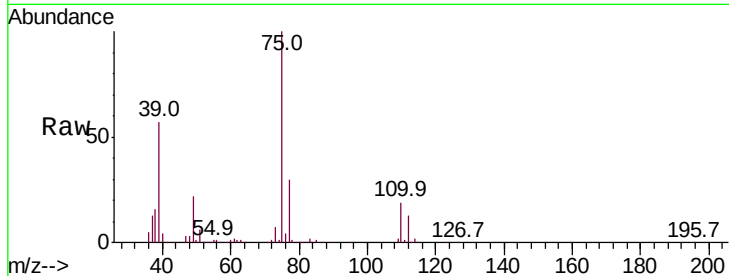
77 30.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#46

cis-1,3-Dichloropropene

Concen: 10.791 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.03 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

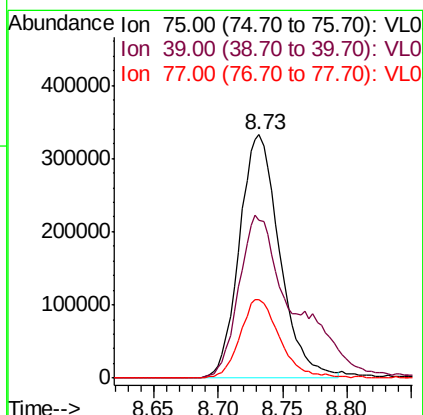
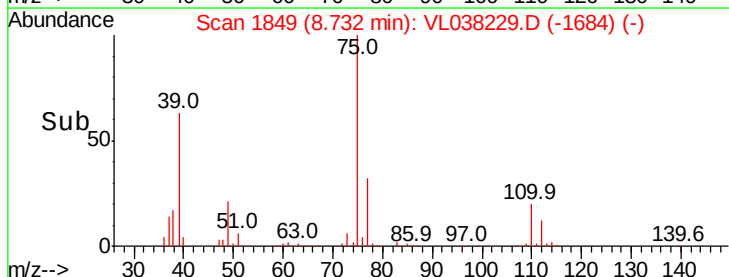
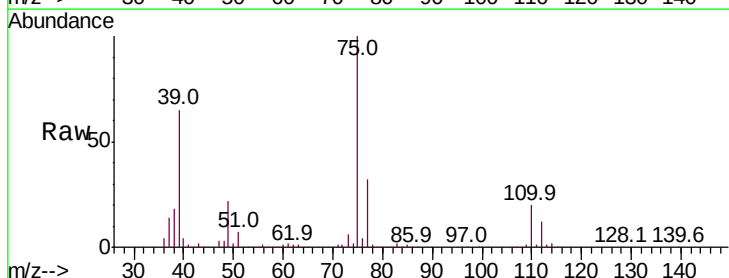
Tgt Ion: 75 Resp: 723420

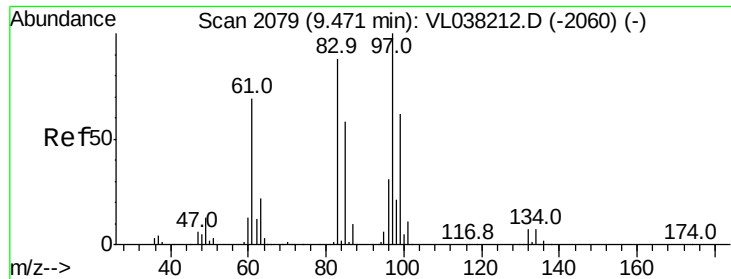
Ion Ratio Lower Upper

75 100

39 64.7 48.9 73.3

77 32.5 26.2 39.2



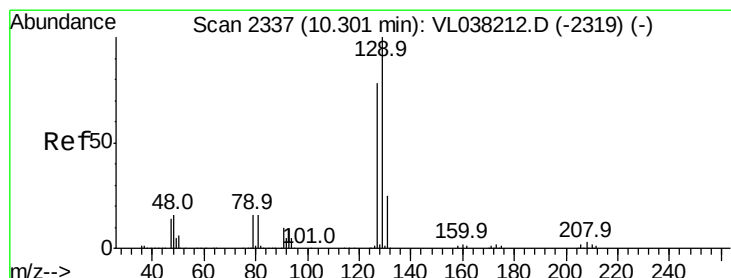
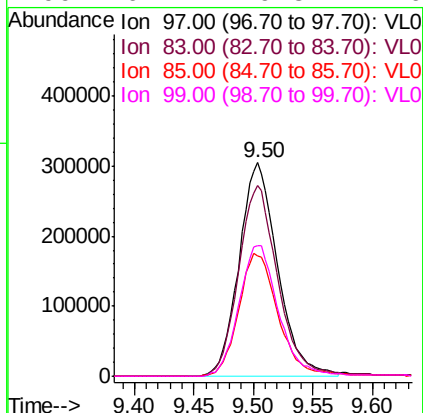
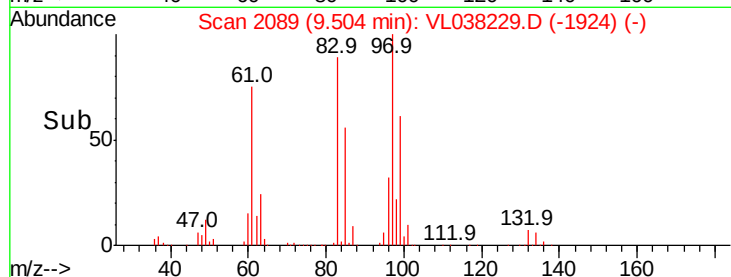
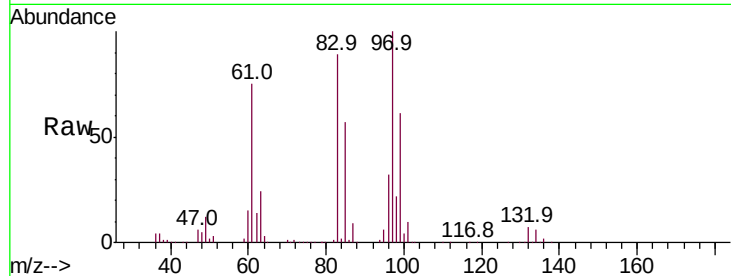


#47
 1,1,2-Trichloroethane
 Concen: 8.988 ppbv
 RT: 9.50
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 22 Dec 2021 9:32

Tot Ion:
 Ion Ratio
 97 100
 83 89.
 85 56.
 99 61.1 49.8 74.6

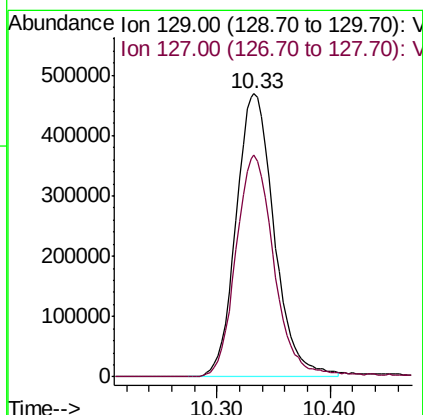
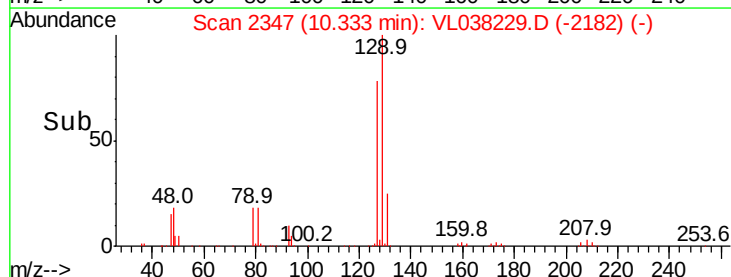
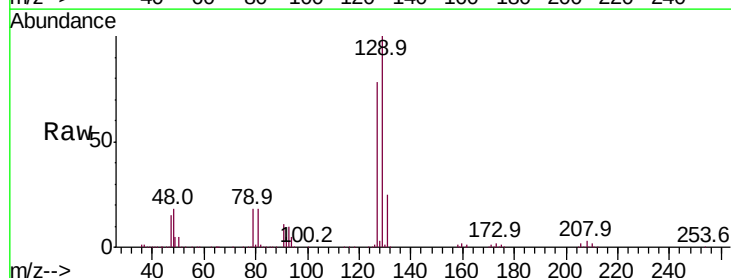
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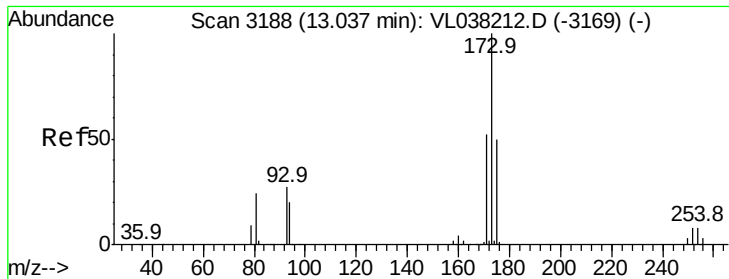
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#48
 Dibromochloromethane
 Concen: 10.317 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion:129 Resp: 1102028
 Ion Ratio Lower Upper
 129 100
 127 80.2 40.2 120.6





#49

Bromoform

Concen: 9.662 ppbv

RT: 13.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 9:32

Tot Ion:1

Ion Rati

173 100

175 50.

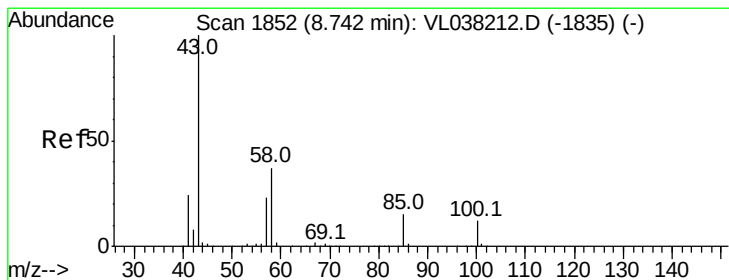
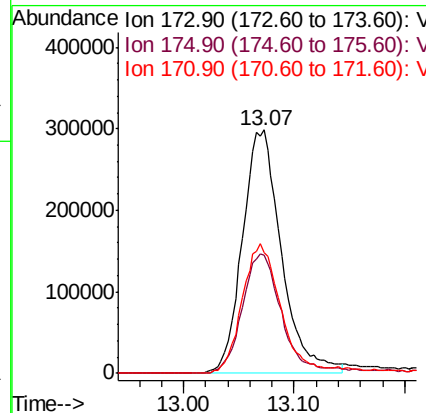
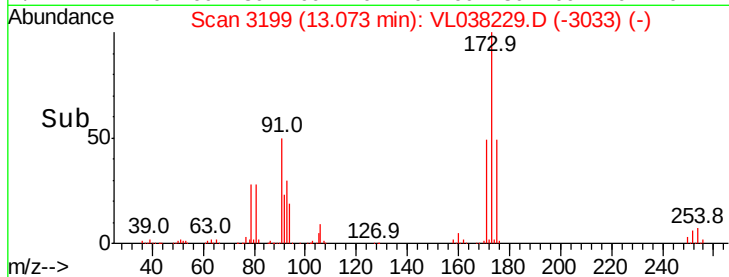
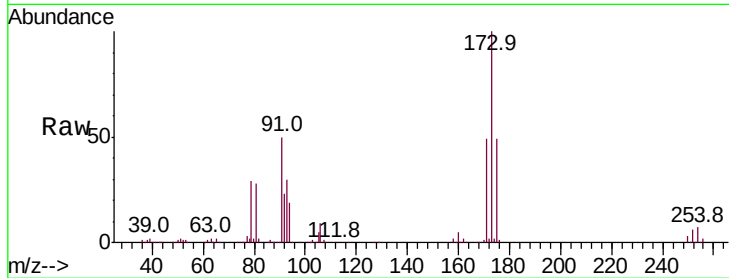
171 54.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#50

4-Methyl-2-Pentanone

Concen: 10.729 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.03 min

Lab File: VL038229.D

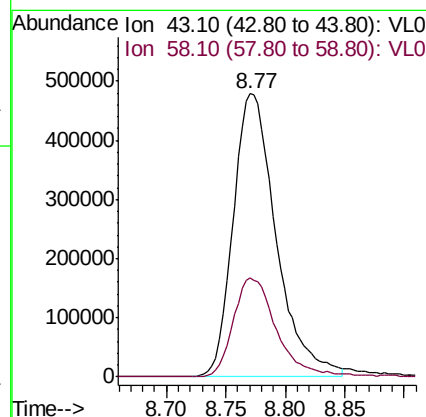
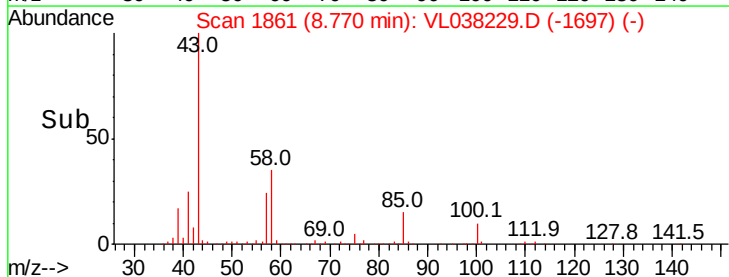
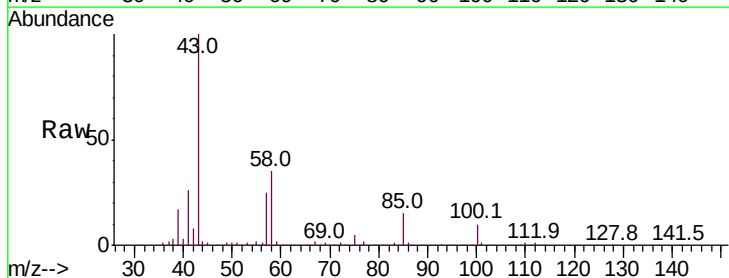
Acq: 22 Dec 2021 9:32

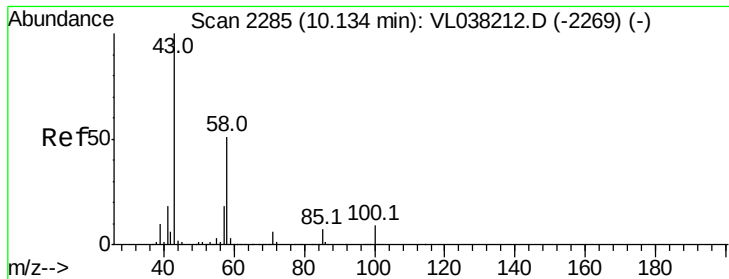
Tgt Ion: 43 Resp: 1195318

Ion Ratio Lower Upper

43 100

58 36.1 29.4 44.2





#51

2-Hexanone

Concen: 10.690 ppbv

RT: 10.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 9:32 VSTDCCC010EC

Tot Ion:

Ion Ratio

43 100

58 49.

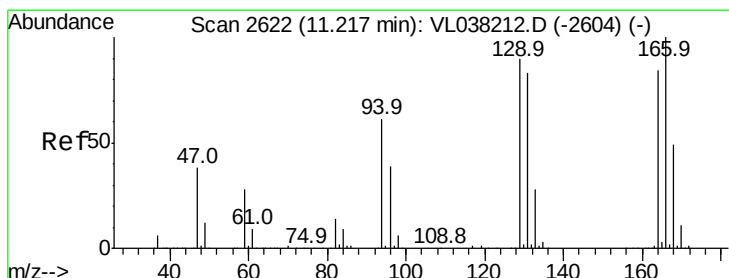
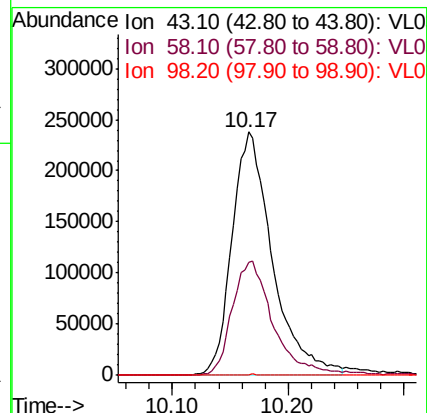
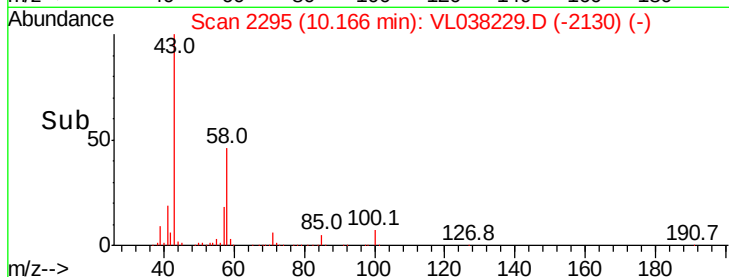
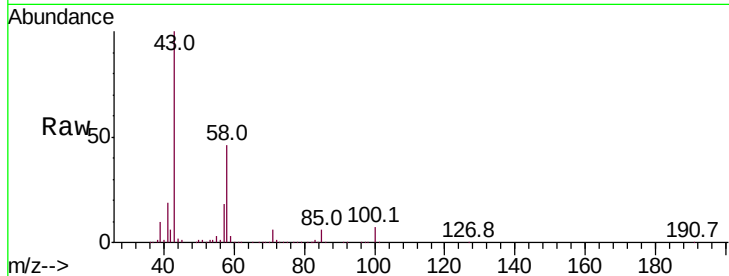
98 0.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#52

Tetrachloroethene

Concen: 8.143 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.04 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

Tgt Ion:164 Resp: 571558

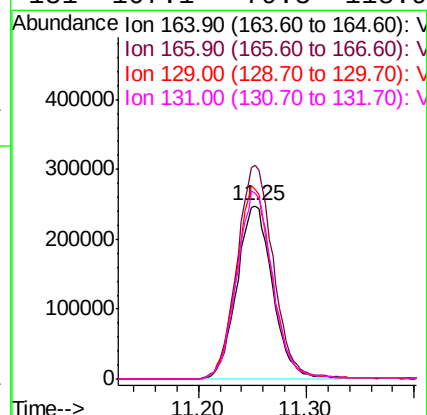
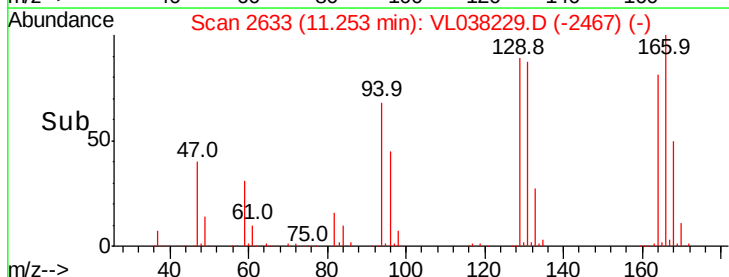
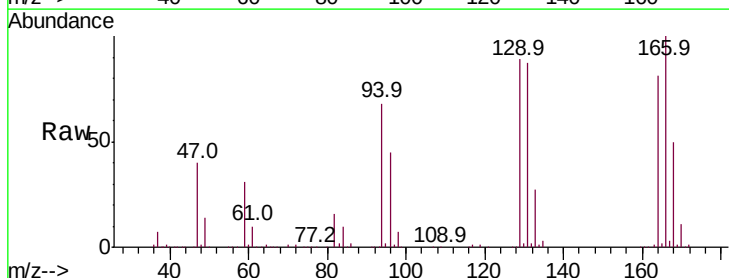
Ion Ratio Lower Upper

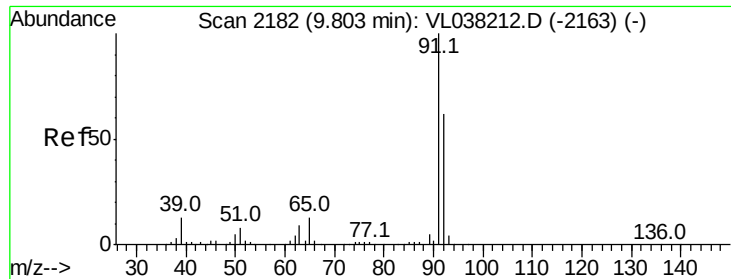
164 100

166 123.3 95.6 143.4

129 109.5 85.8 128.8

131 107.1 79.3 118.9



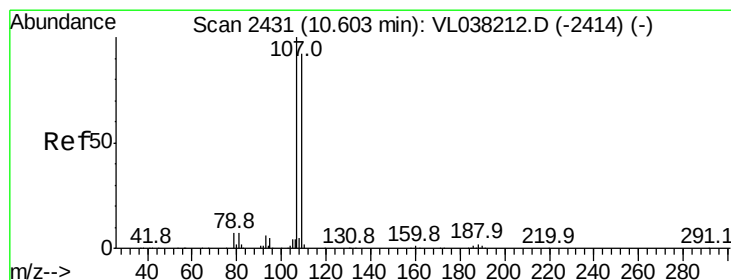
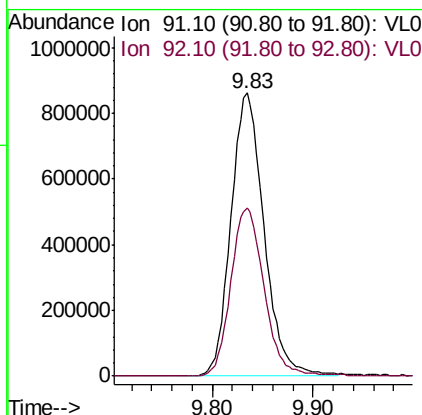
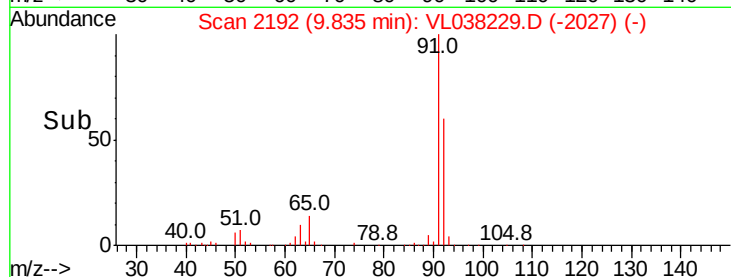
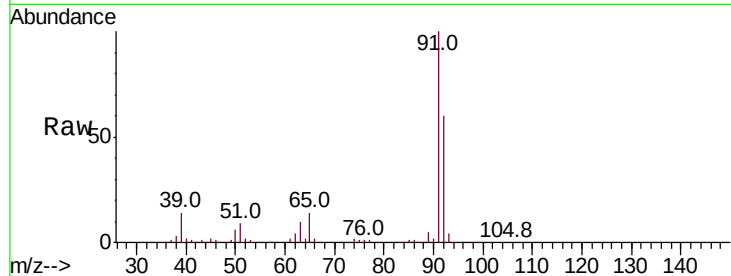


#53
Toluene
Concen: 8.957 ppbv
RT: 9.83
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Dec 2021 9:32

Tot Ion:
Ion Ratio
91 100
92 60.

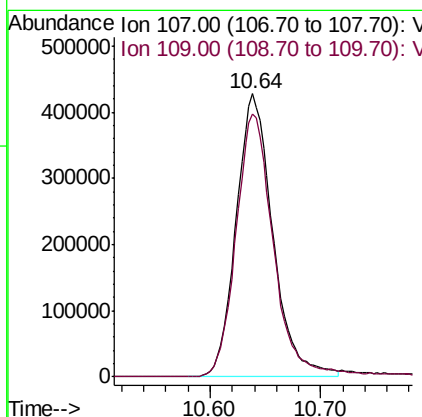
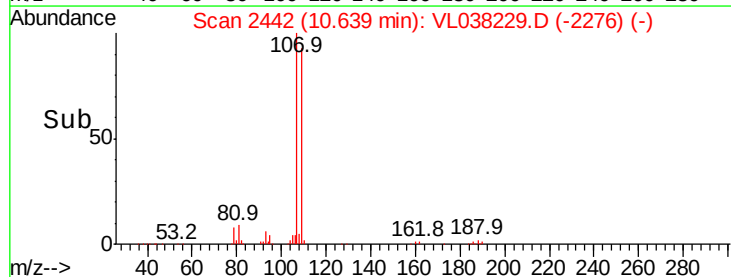
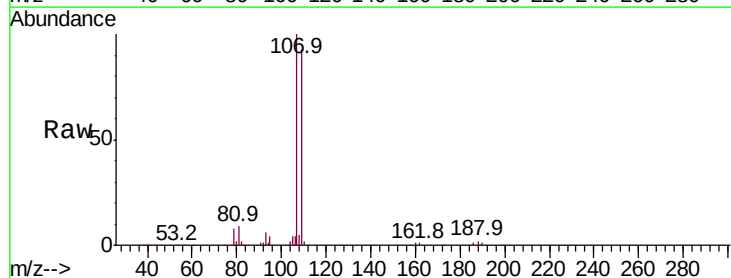
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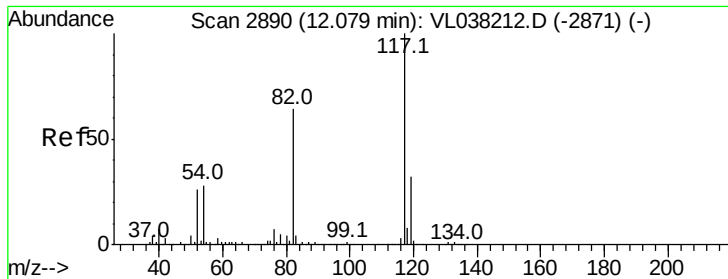
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#54
1,2-Dibromoethane
Concen: 9.150 ppbv
RT: 10.64 min Scan# 2442
Delta R.T.: 0.04 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion:107 Resp: 985924
Ion Ratio Lower Upper
107 100
109 92.7 73.3 109.9



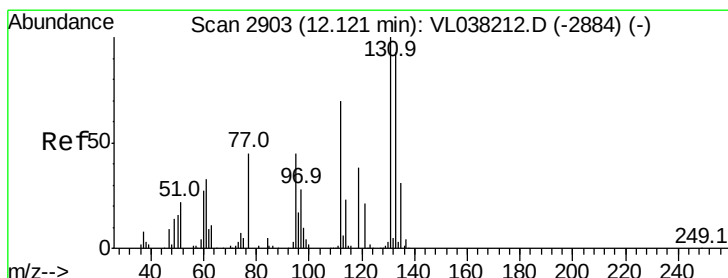
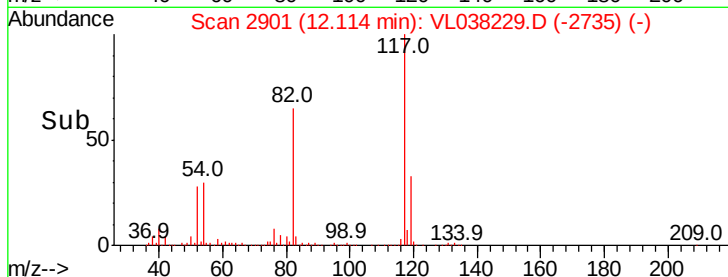
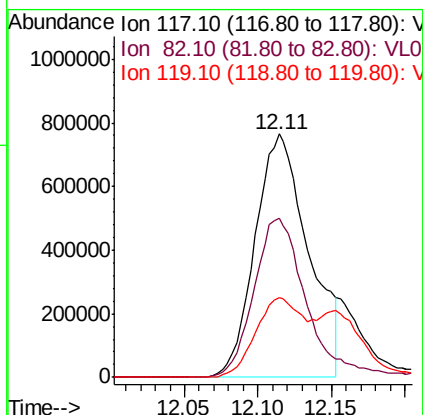
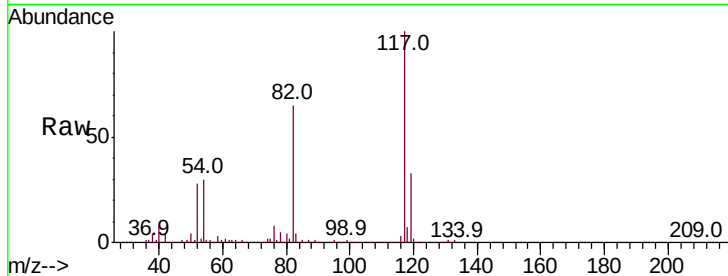


#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min
Instrument: MSVOA_L
Delta R.T.: 0.03 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 22 Dec 2021 9:32

Tot Ion:1
Ion Rati
117 100
82 67.
119 55.

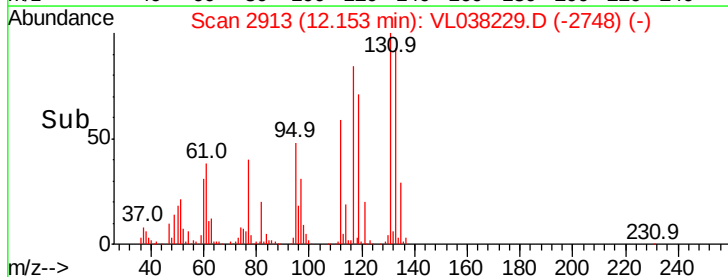
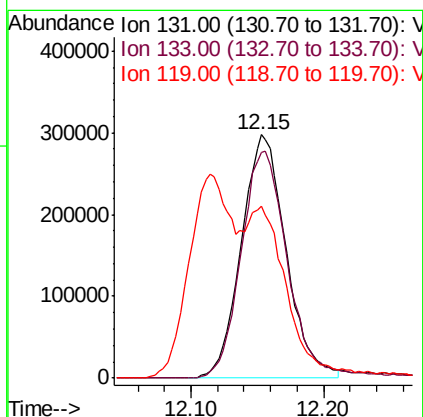
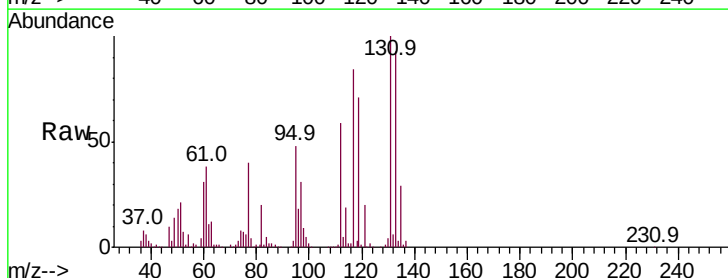
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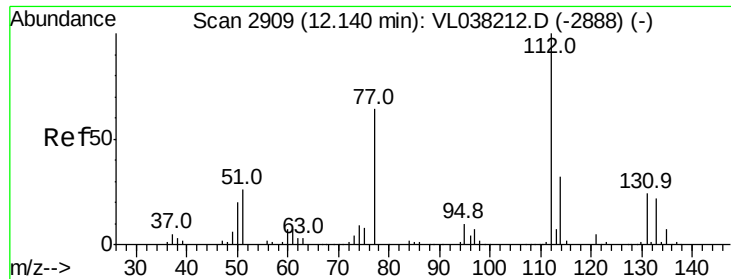
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 8.666 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.03 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion:131 Resp: 697772
Ion Ratio Lower Upper
131 100
133 98.7 77.6 116.4
119 152.8 124.8 187.2



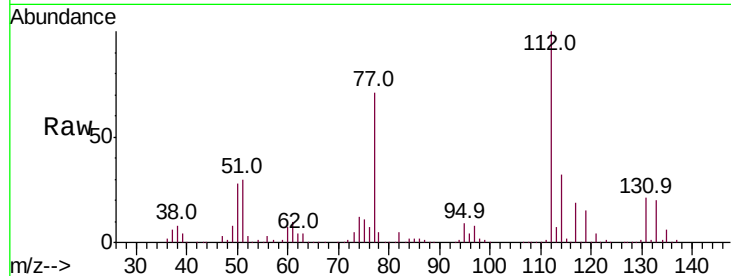


#57
Chlorobenzene
Concen: 7.929 ppbv
RT: 12.18 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 22 Dec 2021 9:32

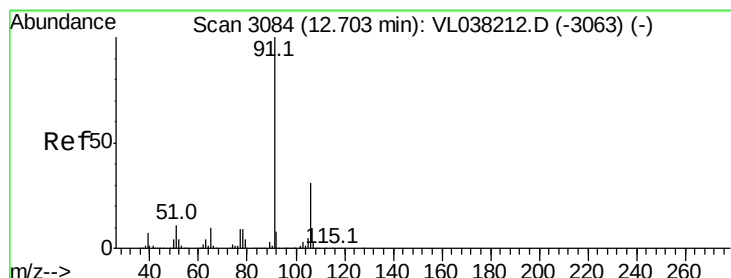
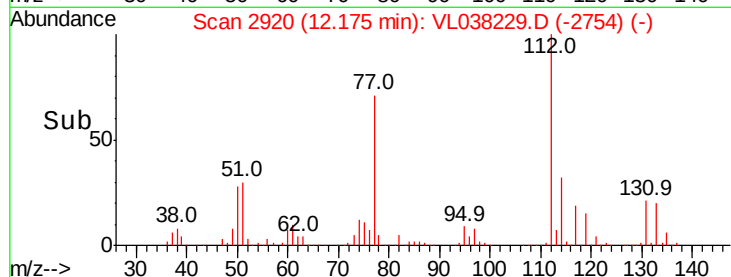
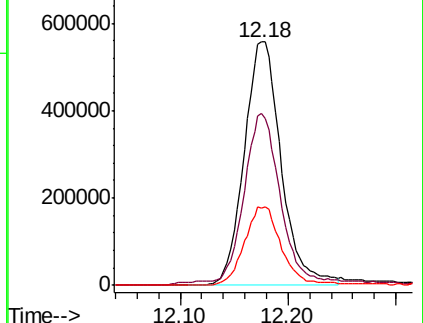
Tot Ion: 1
Ion Ratio
112 100
77 69.
114 31.

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Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021

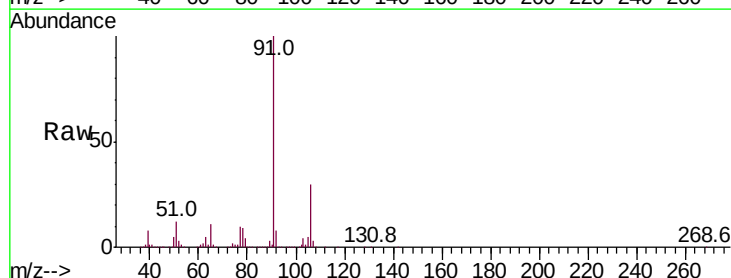


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

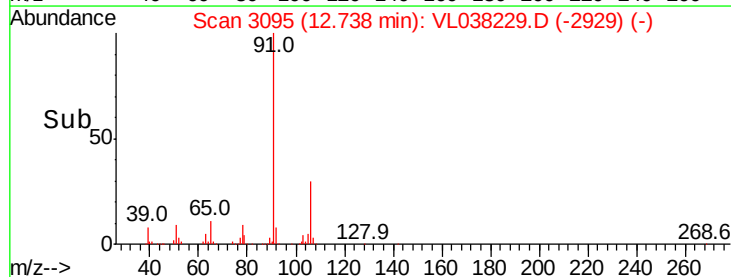
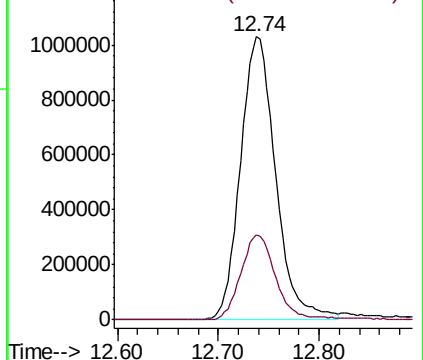


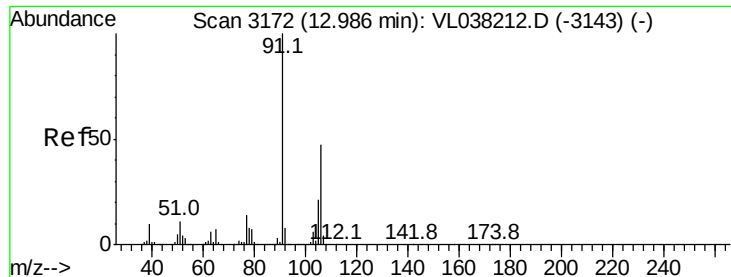
#58
Ethyl Benzene
Concen: 8.280 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.04 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 91 Resp: 2487262
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V



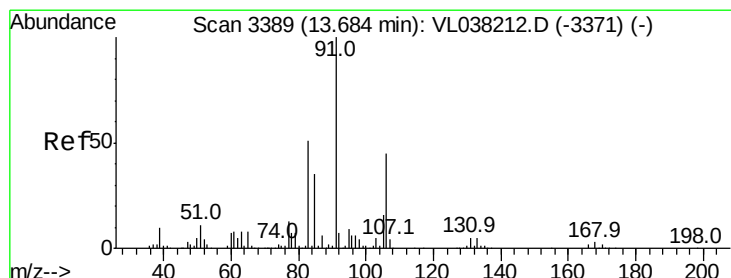
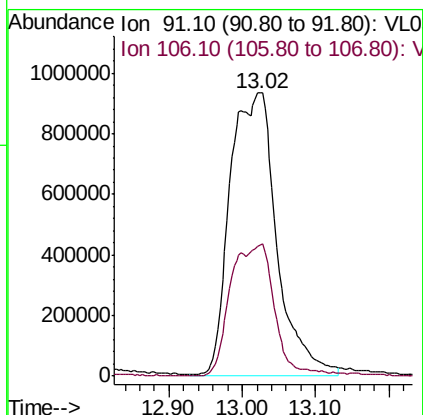
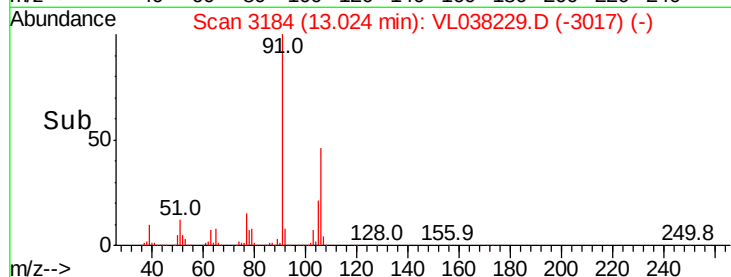
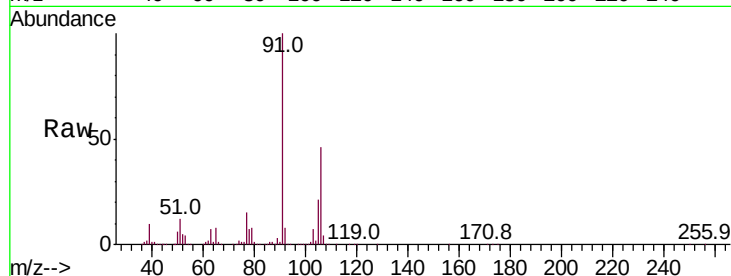


#59
m/p-Xylene
Concen: 16.208 ppbv m
RT: 13.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Dec 2021 9:32
VSTDCCC010EC

Tot Ion:
Ion Ratio
91 100
106 44.

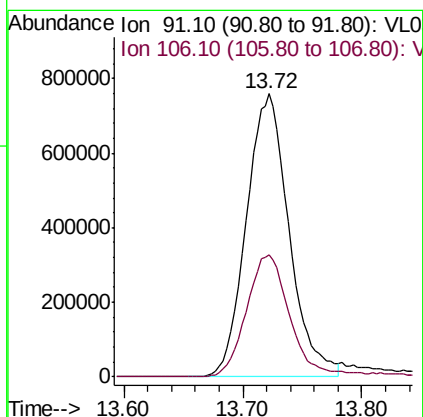
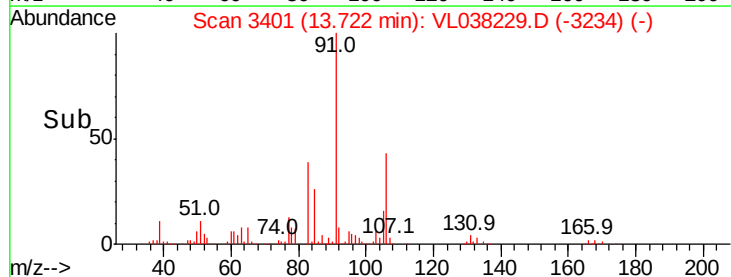
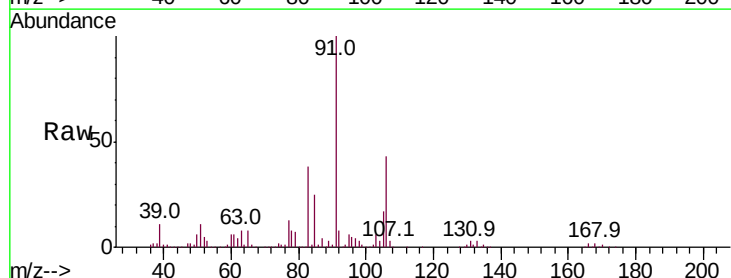
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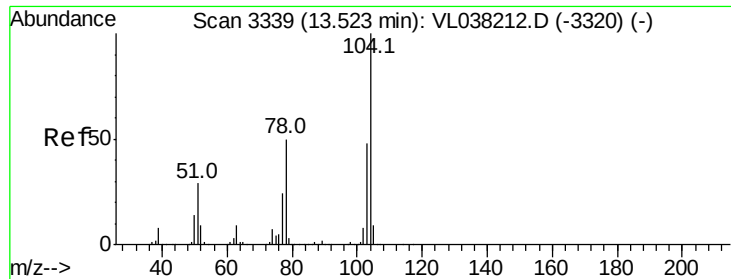
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#60
o-Xylene
Concen: 7.882 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.04 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 91 Resp: 1876718
Ion Ratio Lower Upper
91 100
106 46.1 23.5 70.5





#61

Stvrene

Concen: 8.191 ppbv

RT: 13.55

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 9:32

Tot Ion:1

Ion Rati

104 100

78 56.

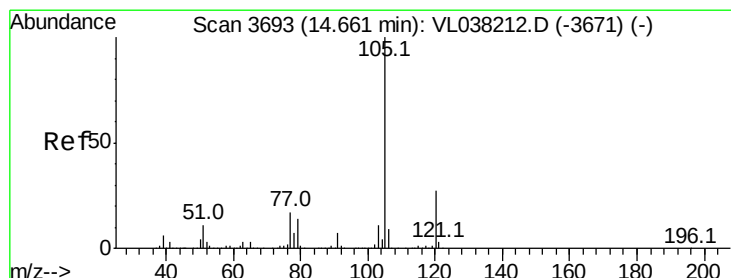
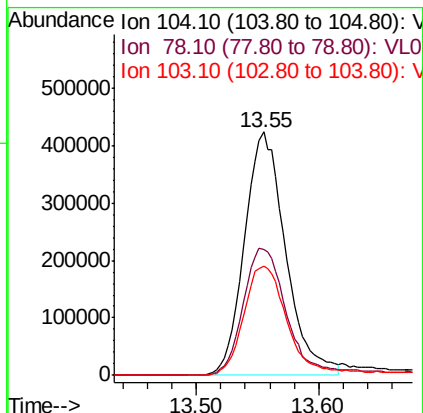
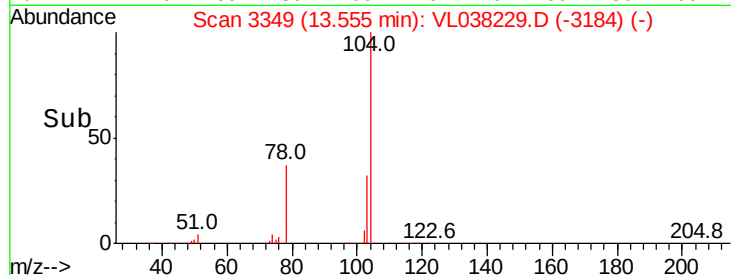
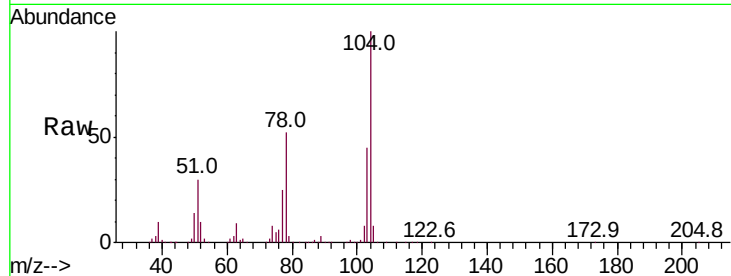
103 48.

Manual Integrations

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Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#62

Isopropylbenzene

Concen: 7.649 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. 0.03 min

Lab File: VL038229.D

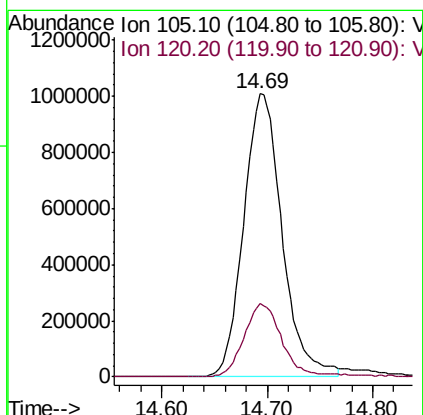
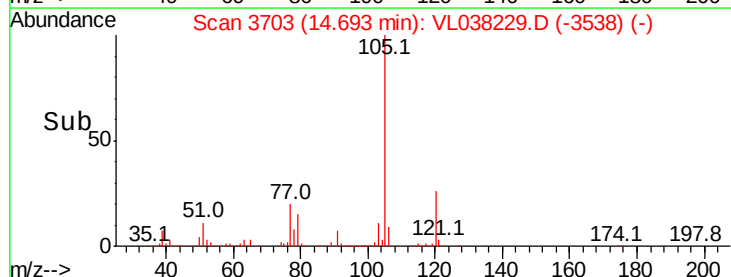
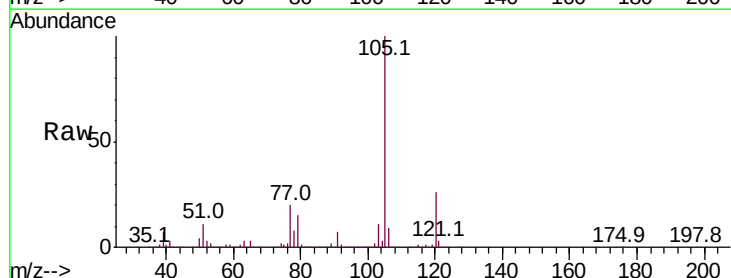
Acq: 22 Dec 2021 9:32

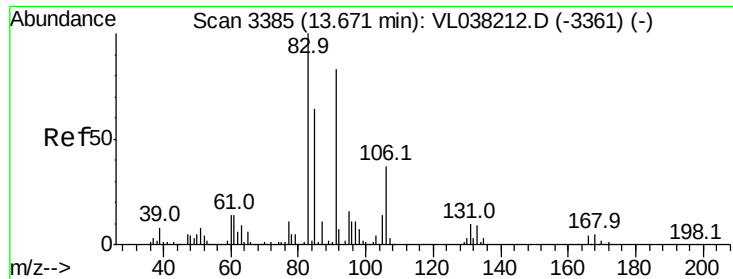
Tgt Ion:105 Resp: 2557057

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6



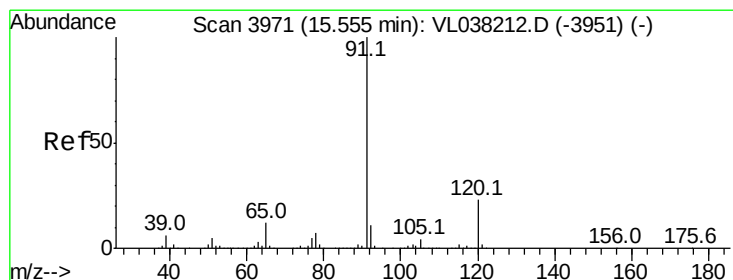
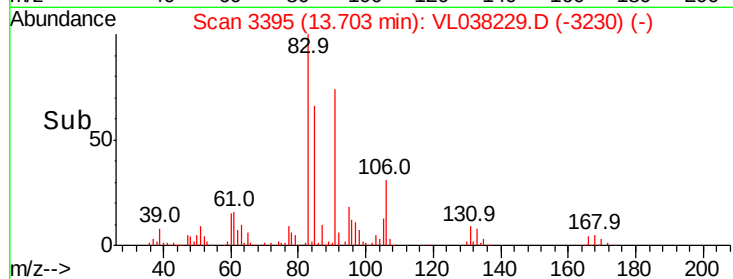
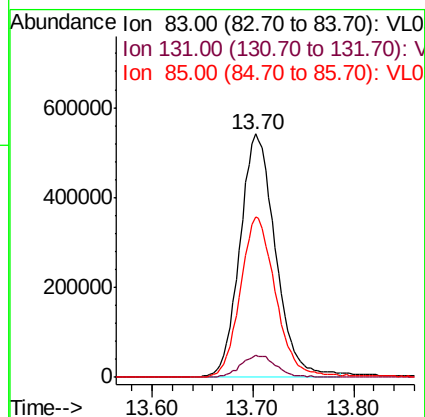
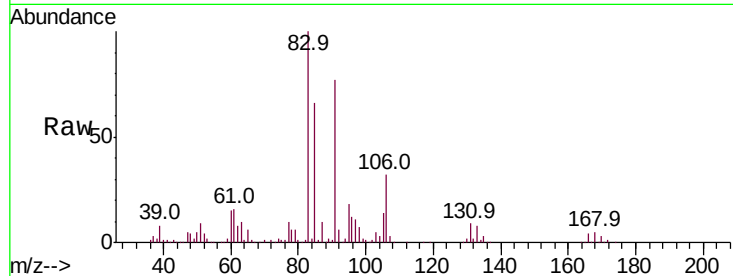


#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.221 ppbv
 RT: 13.70 min
 Delta R.T. 0.03 min
 Lab File: VSTDCCC010EC
 Acq: 22 Dec 2021 9:32

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

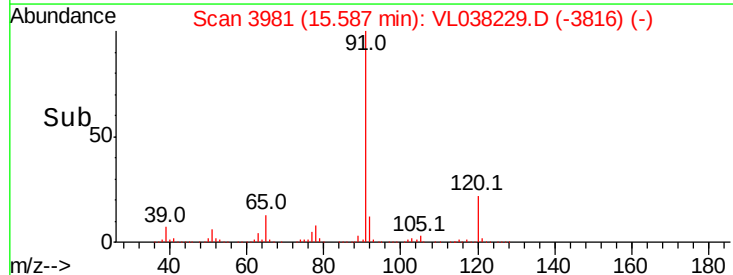
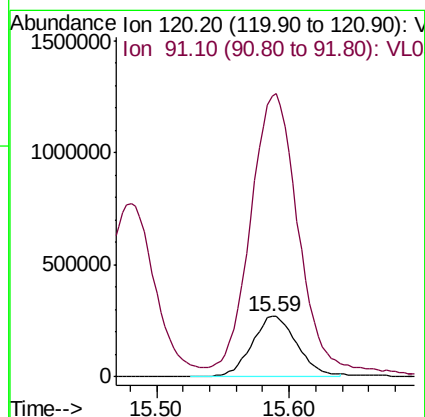
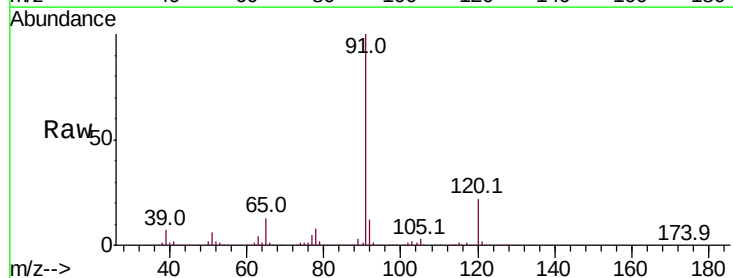
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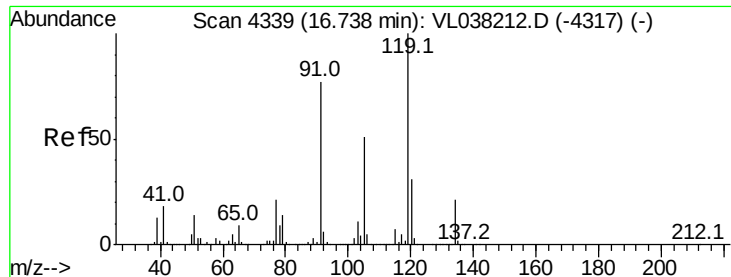
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#64
 n-propylbenzene
 Concen: 7.749 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion:120 Resp: 644010
 Ion Ratio Lower Upper
 120 100
 91 510.8 381.5 572.3



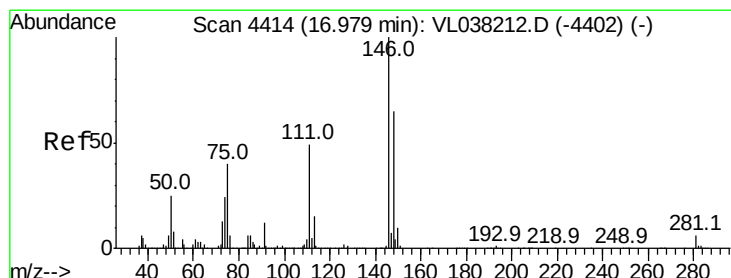
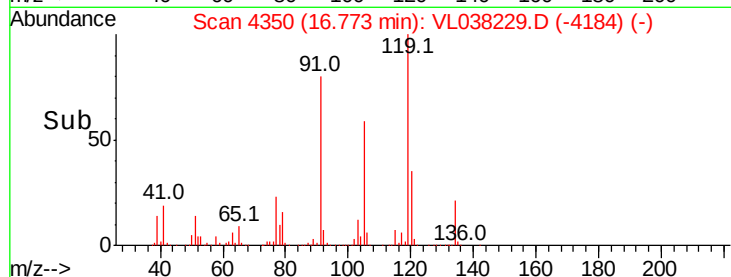
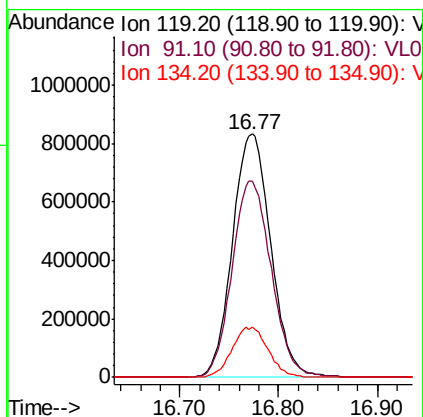
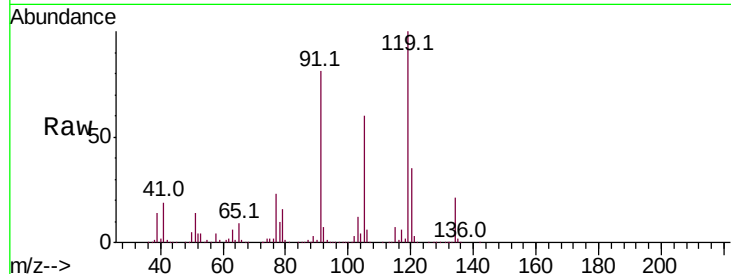


#65
tert-Butylbenzene
Concen: 7.649 ppbv
RT: 16.77 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 22 Dec 2021 9:32

Tot Ion: 1
Ion Ratio
119 100
91 82.
134 19.

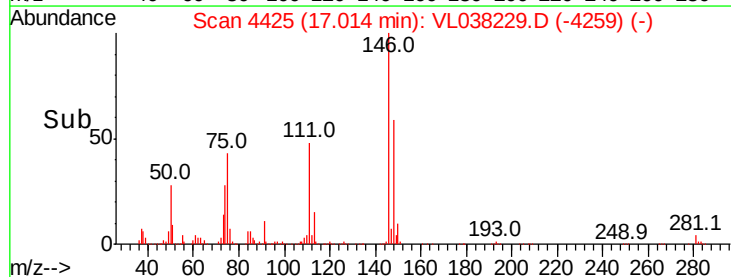
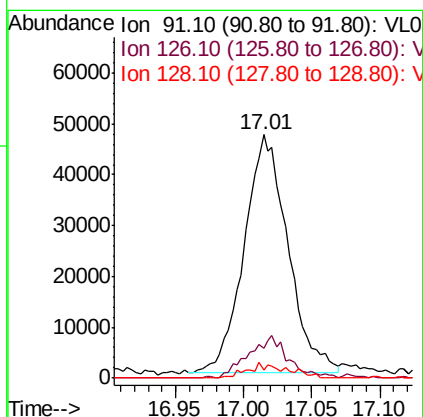
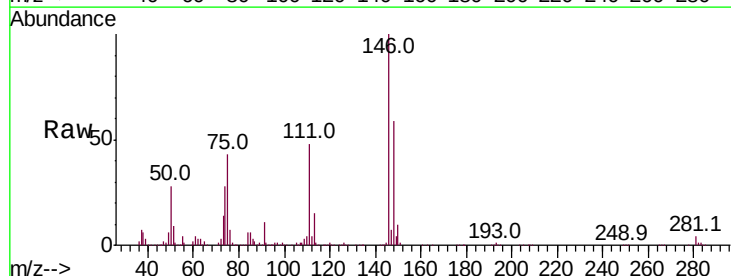
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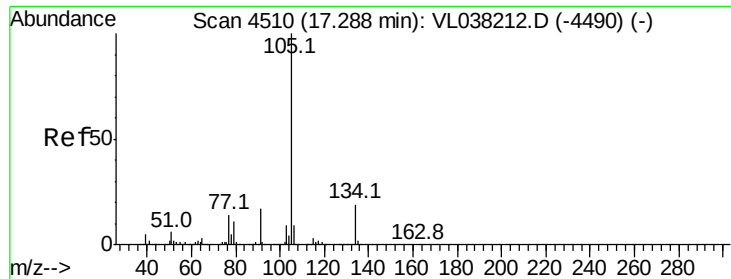
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#66
Benzyl Chloride
Concen: 9.526 ppbv
RT: 17.01 min Scan# 4425
Delta R.T.: 0.04 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 91 Resp: 104472
Ion Ratio Lower Upper
91 100
126 16.7 16.0 24.0
128 5.9 5.0 7.6





#67

sec-Butylbenzene

Concen: 7.902 ppbv

RT: 17.32

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 9:32

Tot Ion:1

Ion Ratio

105 100

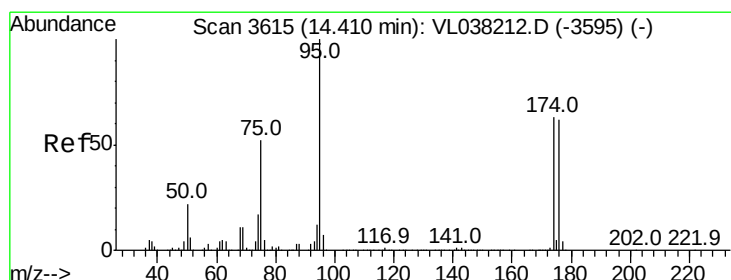
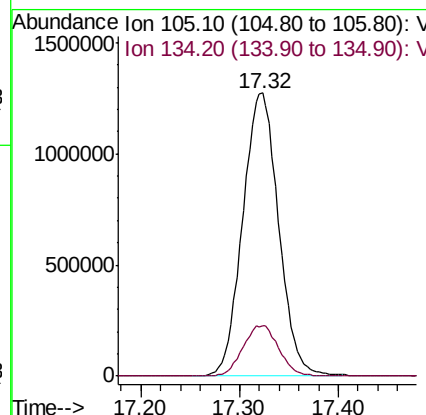
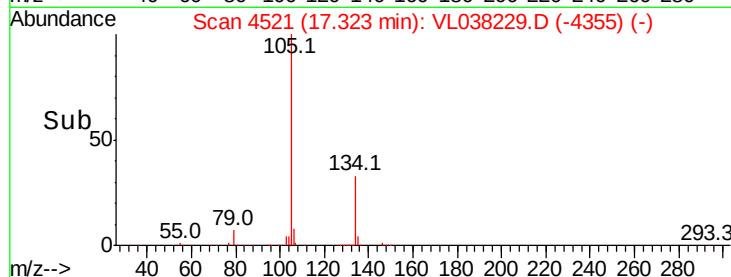
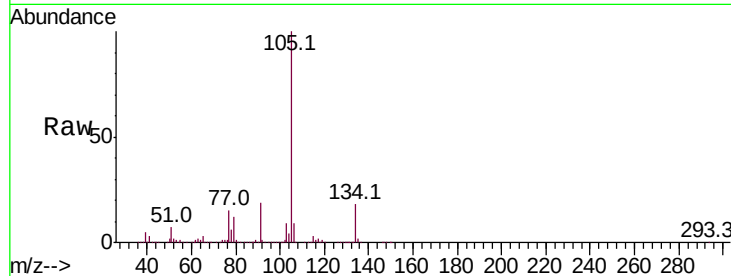
134 18.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 9.738 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.03 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

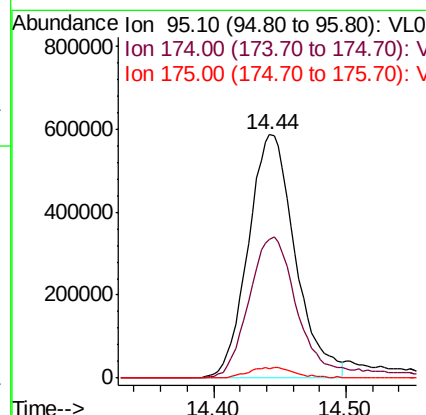
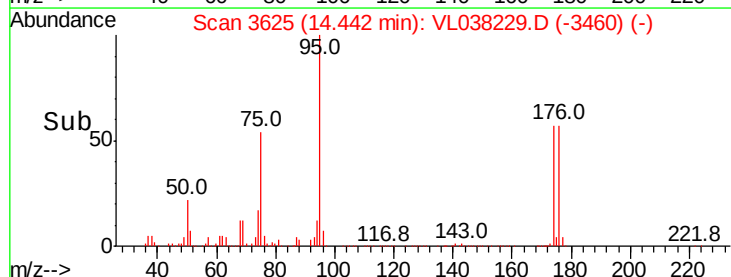
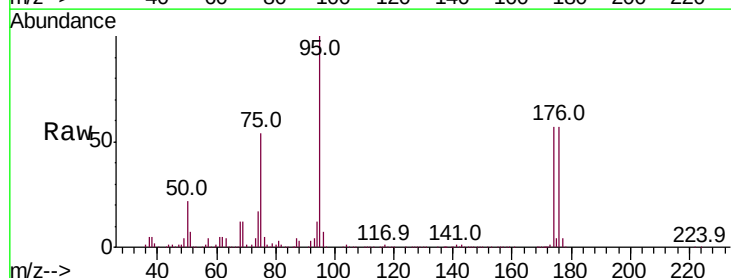
Tgt Ion: 95 Resp: 1452681

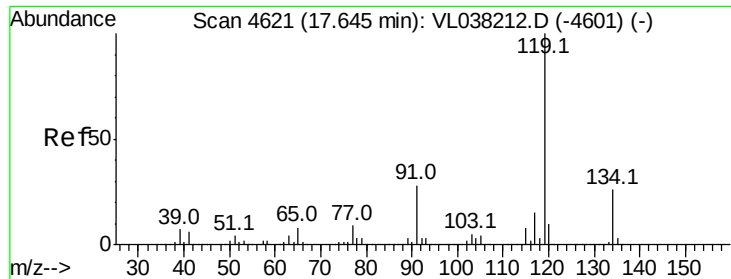
Ion Ratio Lower Upper

95 100

174 64.2 54.6 81.8

175 4.6 4.1 6.1



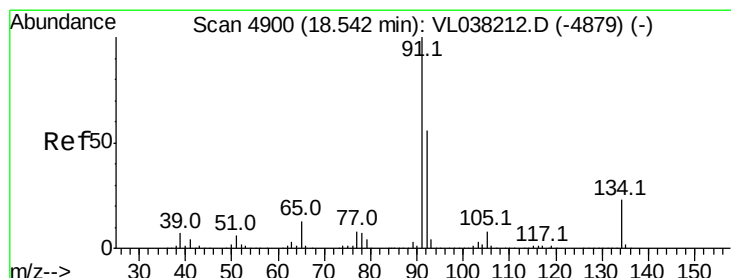
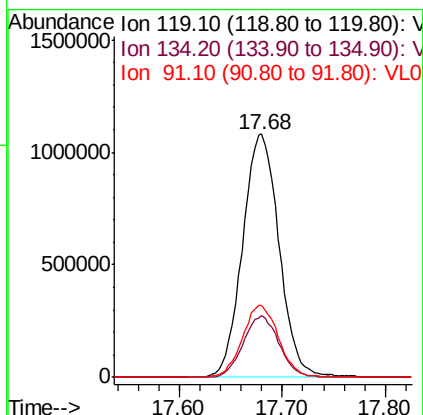
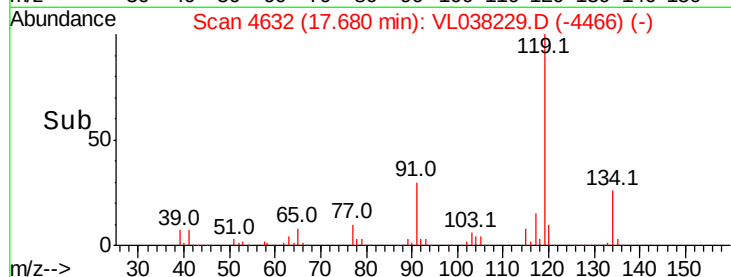
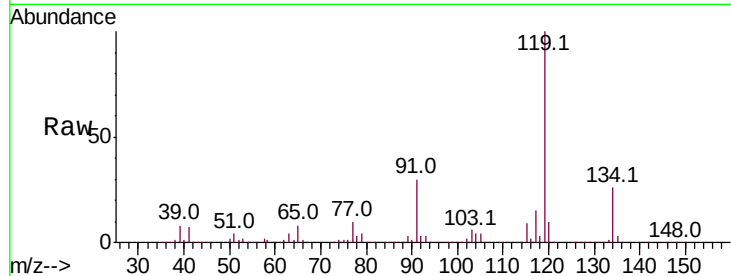


#69
 p-Isopropyltoluene
 Concen: 8.152 ppbv
 RT: 17.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Dec 2021 9:32

Tot Ion:1
 Ion Rati
 119 100
 134 25.
 91 29.

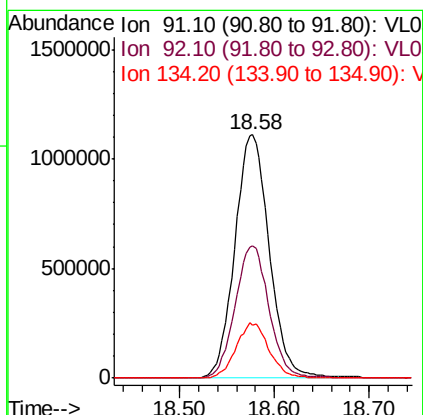
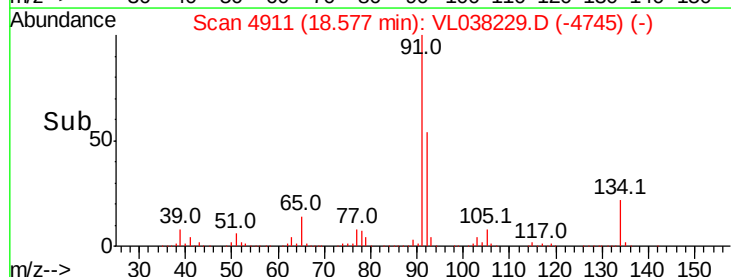
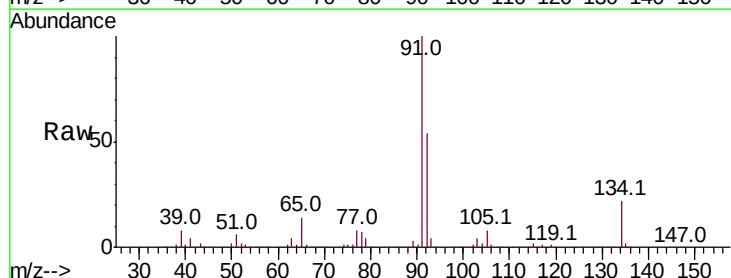
Manual Integrations
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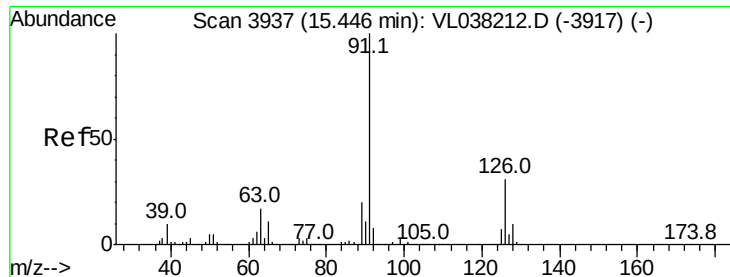
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#70
 n-Butylbenzene
 Concen: 9.058 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. 0.04 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion: 91 Resp: 2800620
 Ion Ratio Lower Upper
 91 100
 92 54.1 44.0 66.0
 134 21.8 18.5 27.7





#71

2-Chlorotoluene

Concen: 7.771 ppbv

RT: 15.48

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Dec 2021 9:32

Manual Integrations

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Reviewed By :Amit Patel 12/23/2021

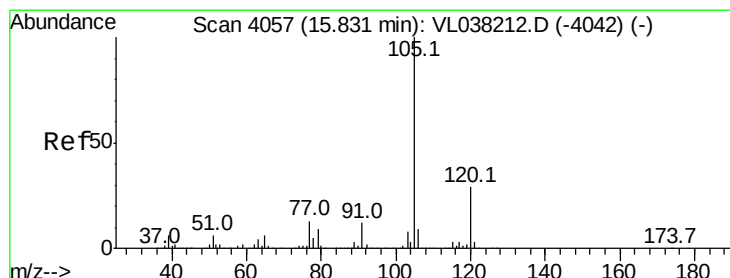
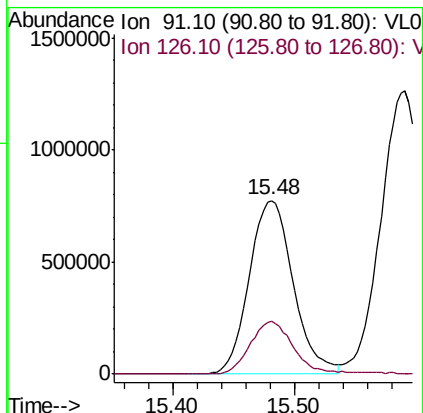
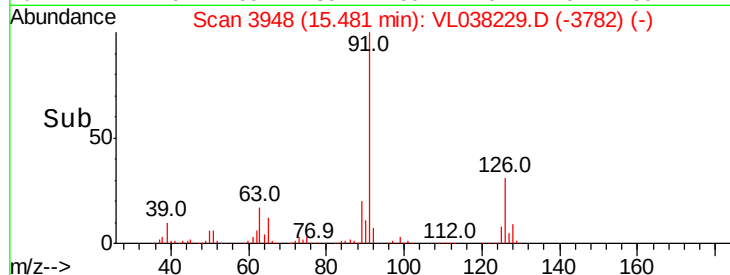
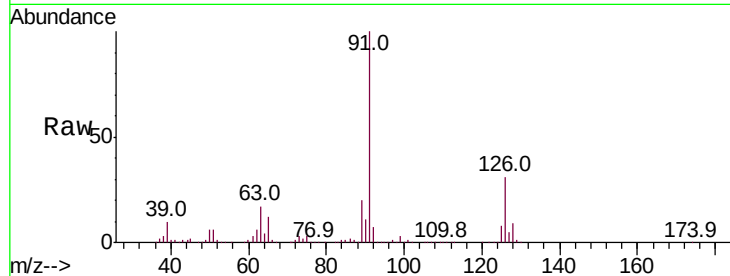
Supervised By :Mahesh Dadoda 12/29/2021

Tot Ion:

Ion Ratio

91 100

126 31.



#72

4-Ethyltoluene

Concen: 7.817 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.04 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

Tgt Ion:105 Resp: 2143559

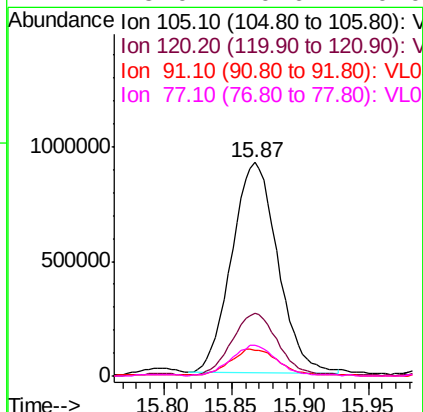
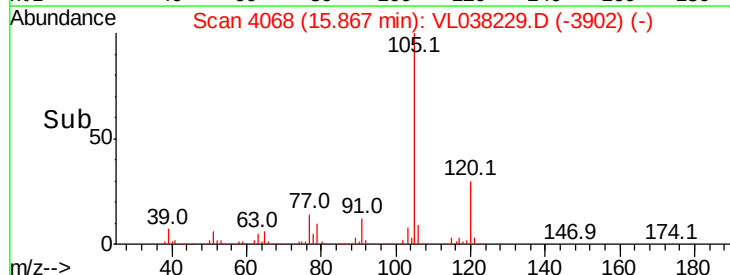
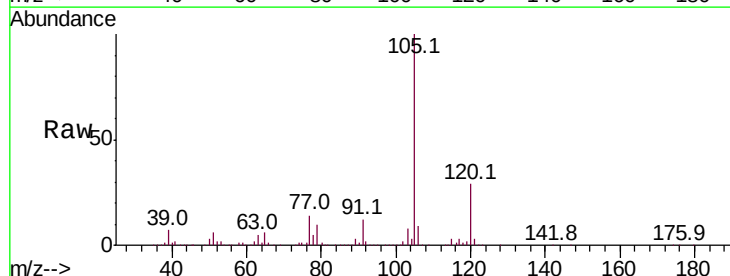
Ion Ratio Lower Upper

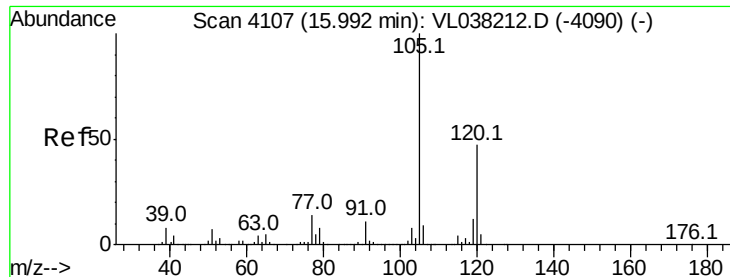
105 100

120 30.6 24.3 36.5

91 13.1 9.8 14.6

77 15.0 10.6 16.0



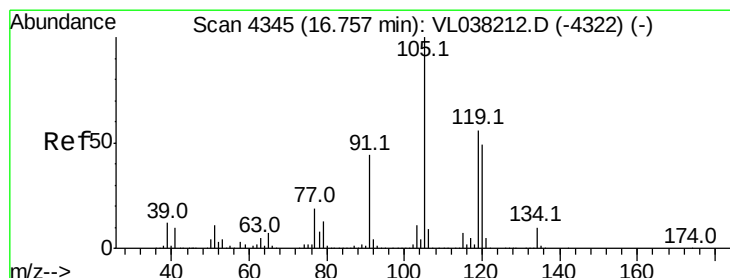
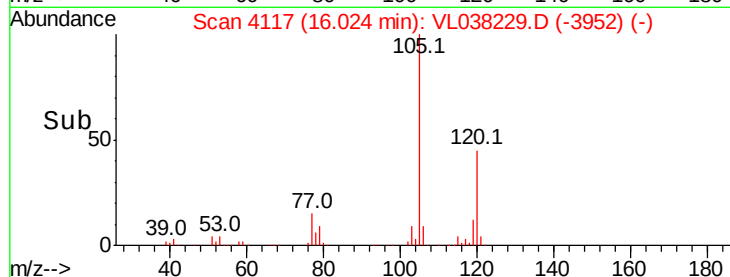
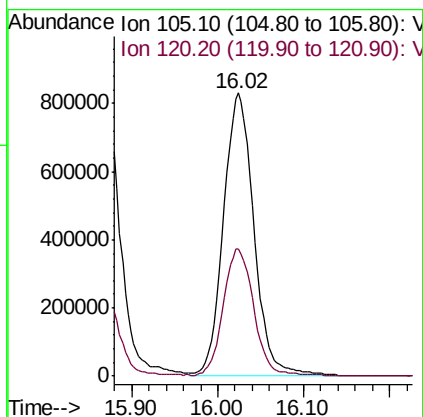
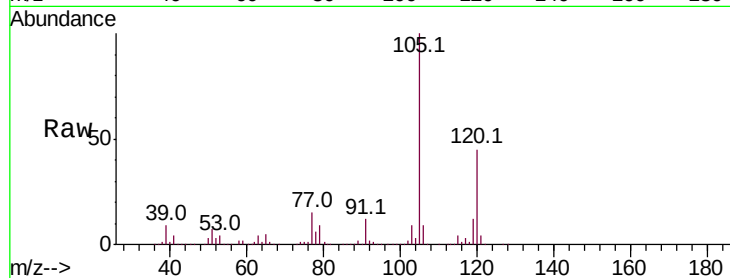


#73
 1,3,5-Trimethylbenzene
 Concen: 8.237 ppbv
 RT: 16.02 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 22 Dec 2021 9:32

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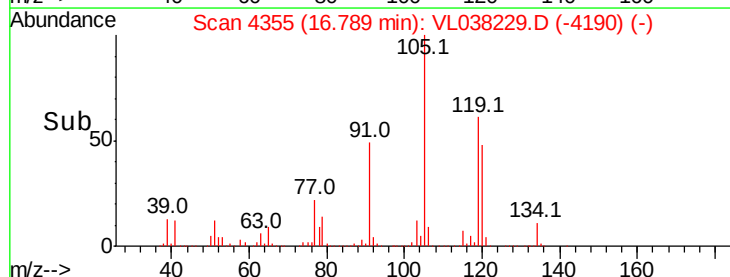
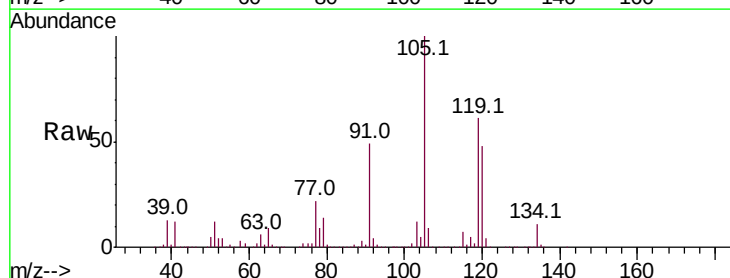
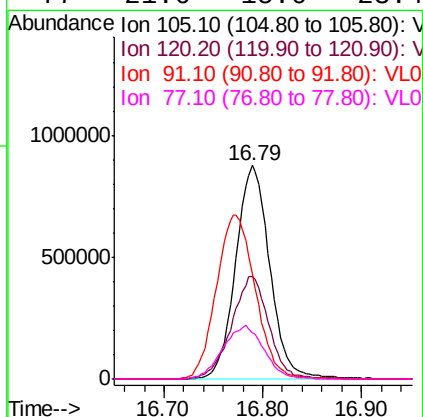
Tot Ion:1
 Ion Rati
 105 100
 120 44.

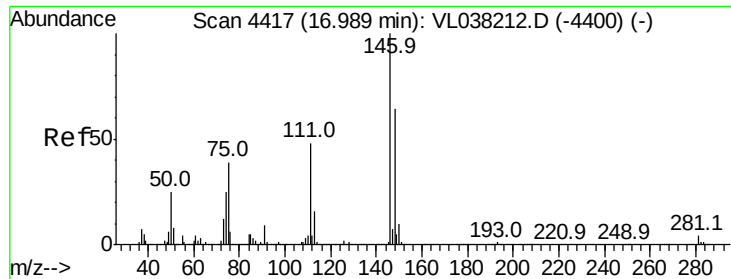
Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 8.132 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. 0.03 min
 Lab File: VL038229.D
 Acq: 22 Dec 2021 9:32

Tgt Ion:105 Resp: 2095756
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.4 59.2
 91 49.1 35.0 52.4
 77 21.6 15.6 23.4





#75

1,3-Dichlorobenzene

Concen: 8.679 ppbv

RT: 17.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 9:32 VSTDCCC010EC

Tot Ion:1

Ion Rati

146 100

111 48.

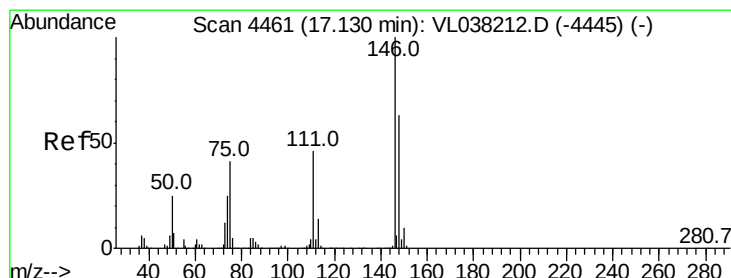
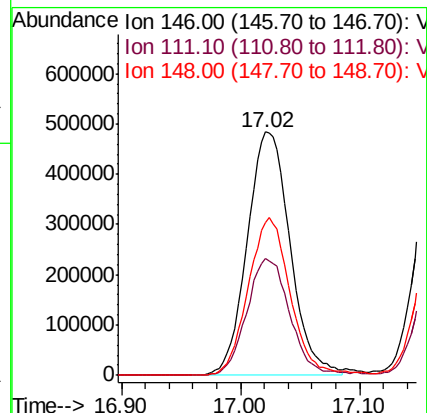
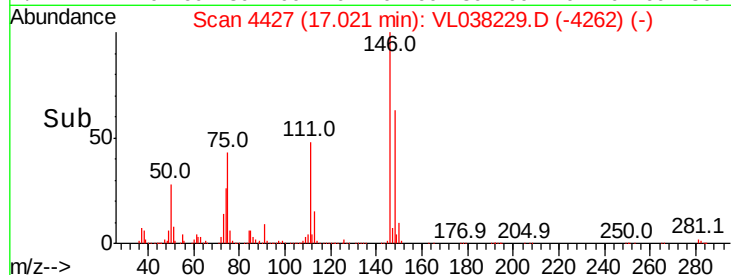
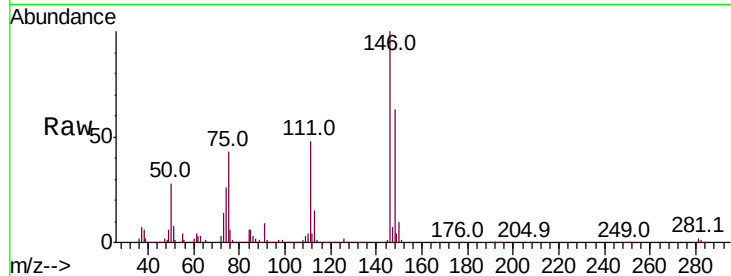
148 63.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#76

1,4-Dichlorobenzene

Concen: 8.367 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. 0.03 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

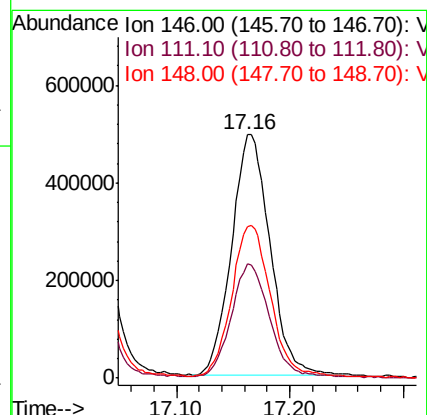
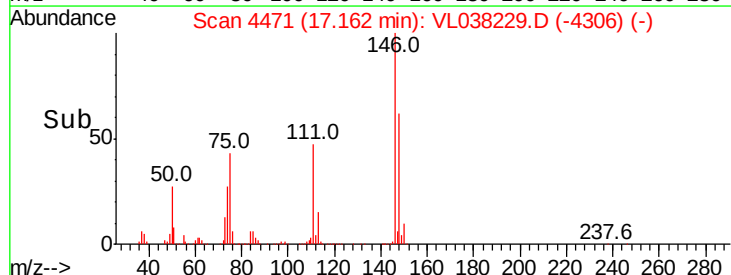
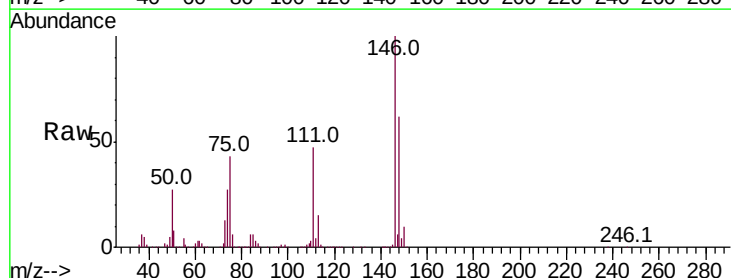
Tgt Ion:146 Resp: 1155639

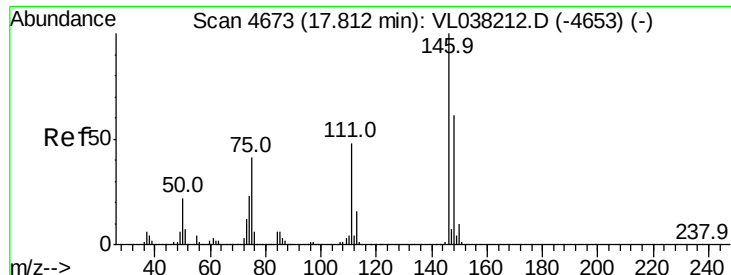
Ion Ratio Lower Upper

146 100

111 48.2 23.6 71.0

148 65.8 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 8.938 ppbv

RT: 17.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Dec 2021 9:32 VSTDCCC010EC

Tot Ion:1

Ion Rati

146 100

111 50.

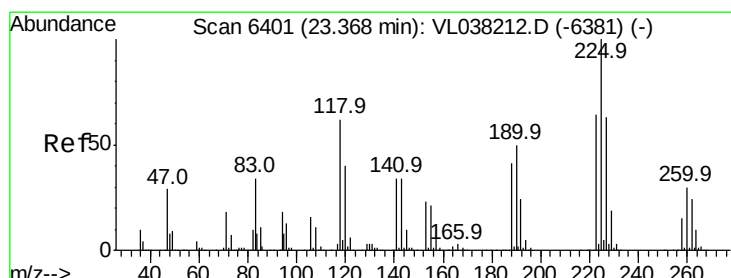
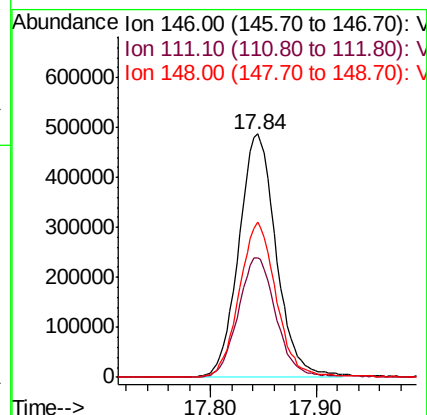
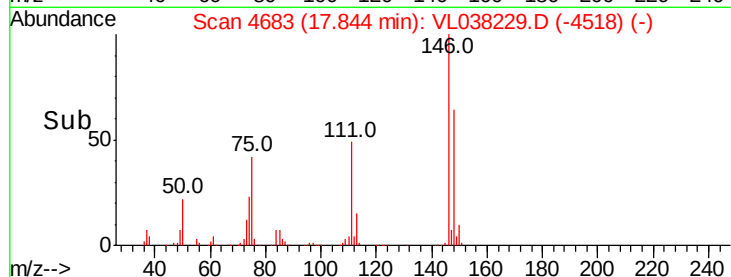
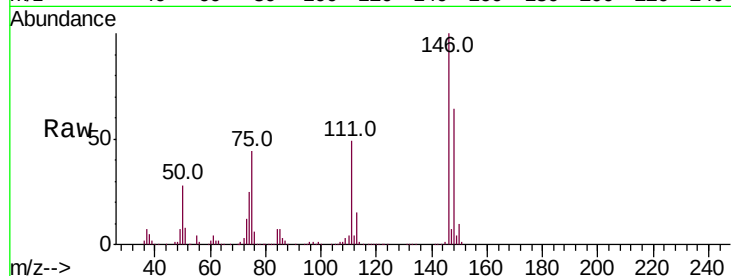
148 63.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/23/2021

Supervised By :Mahesh Dadoda 12/29/2021



#78

Hexachloro-1,3-Butadiene

Concen: 11.184 ppbv

RT: 23.40 min Scan# 6411

Delta R.T. 0.03 min

Lab File: VL038229.D

Acq: 22 Dec 2021 9:32

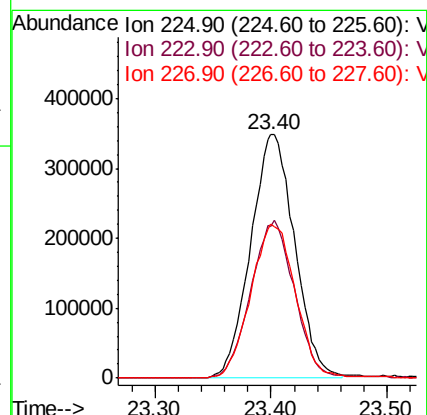
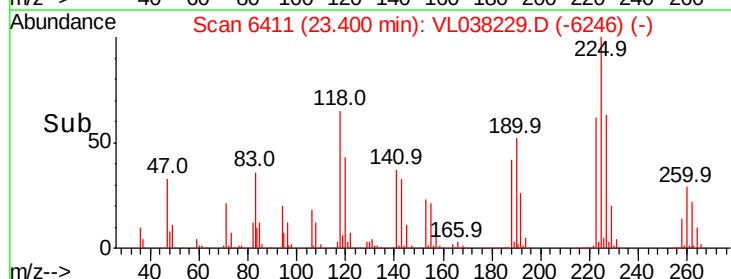
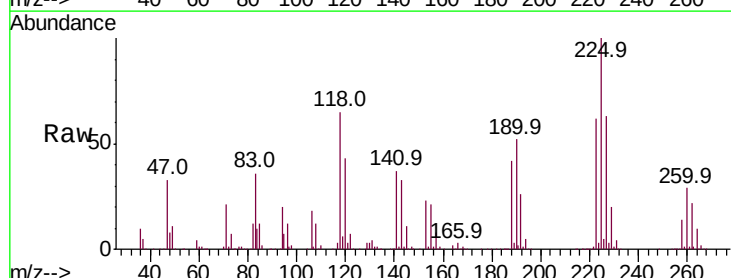
Tgt Ion:225 Resp: 919865

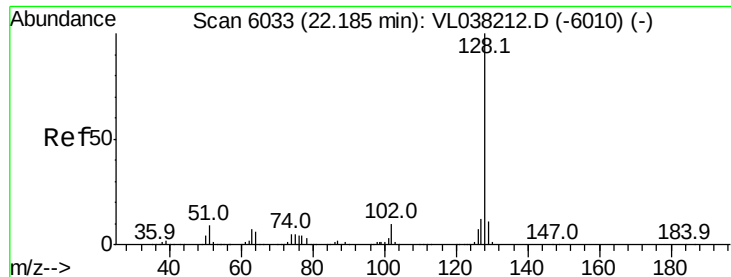
Ion Ratio Lower Upper

225 100

223 64.9 51.5 77.3

227 64.9 51.9 77.9



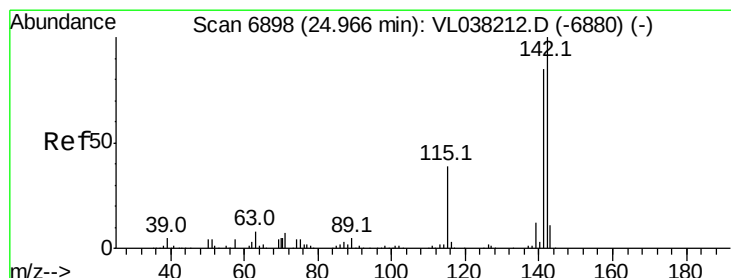
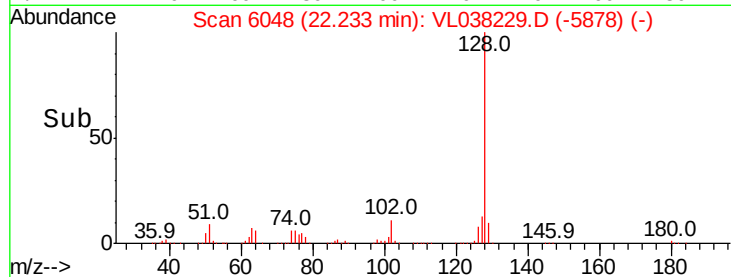
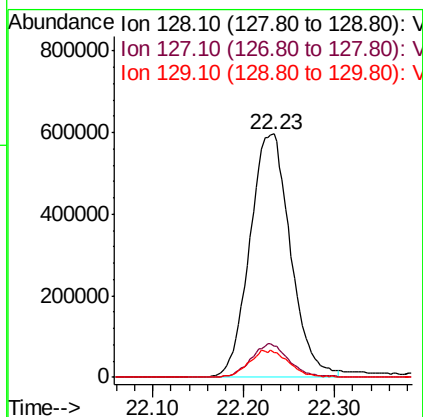
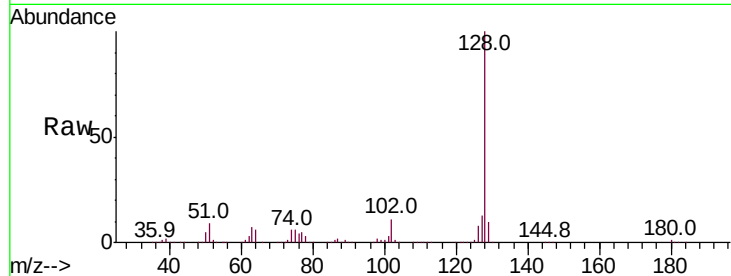


#79
Naphthalene
Concen: 13.918 ppbv
RT: 22.23 min
Delta R.T.: 0.03 min
Lab File: VSTDCCC010EC
Acq: 22 Dec 2021 9:32

Tot Ion: 1
Ion Ratio
128 100
127 12.
129 10.

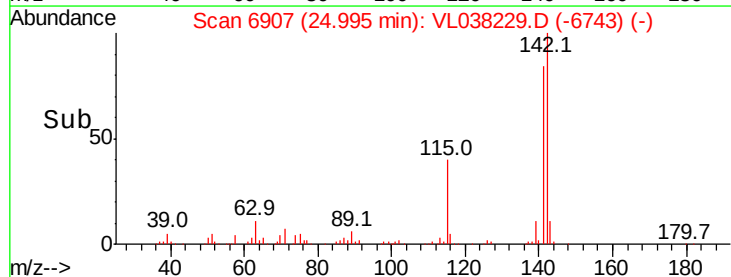
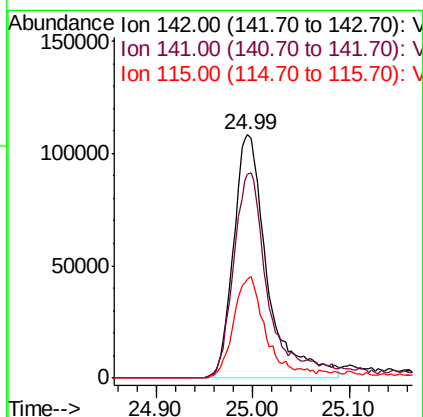
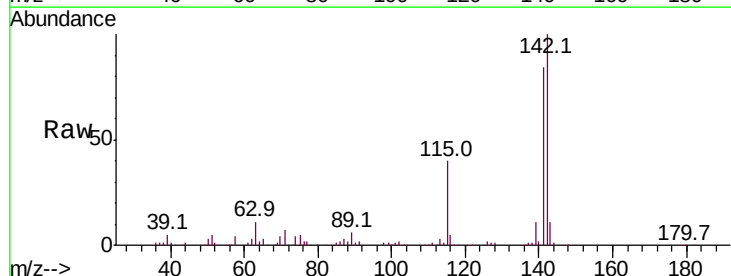
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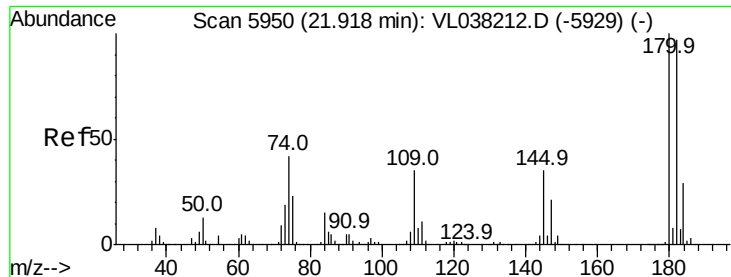
Reviewed By :Amit Patel 12/23/2021
Supervised By :Mahesh Dadoda 12/29/2021



#80
Naphthalene, 2-methyl-
Concen: 9.982 ppbv
RT: 24.99 min Scan# 6907
Delta R.T.: 0.03 min
Lab File: VL038229.D
Acq: 22 Dec 2021 9:32

Tgt Ion: 142 Resp: 263670
Ion Ratio Lower Upper
142 100
141 89.5 66.7 100.1
115 41.6 29.4 44.0





#81
 1,2,4-Trichlorobenzene
 Concen: 12.652 ppbv
 RT: 21.96
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 22 Dec 2021 9:32

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

Manual Integrations
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Reviewed By :Amit Patel 12/23/2021
 Supervised By :Mahesh Dadoda 12/29/2021

