

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122121\
 Data File : VL038214.D
 Acq On : 21 Dec 2021 14:39
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 21 17:45:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Dec 21 15:18:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	741027	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2362916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2139236	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1633588	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	144190	1.091	ppbv	98
3) Chlorodifluoromethane	3.00	51	172843	1.103	ppbv	99
4) Chloromethane	3.15	50	60334	1.127	ppbv	93
5) Vinyl Chloride	3.27	62	57029	1.077	ppbv	97
6) Bromomethane	3.48	94	30409	1.063	ppbv	85
7) Chloroethane	3.56	64	19274m	1.025	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	140470	1.117	ppbv	96
9) Propene	3.02	41	61367	1.085	ppbv	100
10) Heptane	8.12	43	152096	1.080	ppbv	99
11) Trichlorofluoromethane	3.96	101	140630	1.134	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	104443	1.147	ppbv	99
13) Ethanol	3.63	45	12484m	1.401	ppbv	
14) Bromoethene	3.75	108	37474	0.990	ppbv #	87
15) Acetone	3.87	43	81565	1.174	ppbv	98
16) 1,3-Butadiene	3.33	39	50903	1.010	ppbv	89
17) tert-Butyl alcohol	4.31	59	84959	1.069	ppbv	95
18) 1,1-Dichloroethene	4.29	96	45879	1.126	ppbv	98
19) Isopropyl Alcohol	3.99	45	49688	1.079	ppbv #	80
20) Methylene Chloride	4.35	84	48660	1.233	ppbv	97
21) Allyl Chloride	4.42	41	69148	1.116	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	44005	1.058	ppbv	95
23) Vinyl Acetate	5.08	43	105437	1.079	ppbv #	95
24) 1,1-Dichloroethane	5.02	63	97363	1.136	ppbv	98
25) Ethyl Acetate	5.69	43	220325	1.053	ppbv #	97
26) Hexane	5.69	57	112738	1.104	ppbv	98
27) Carbon Disulfide	4.56	76	89185	0.981	ppbv #	93
28) Methyl tert-Butyl Ether	5.05	73	106923	1.115	ppbv	99
29) Chloroform	5.75	83	159800	1.062	ppbv	96
30) Cyclohexane	7.13	84	97677	1.052	ppbv #	70
31) cis-1,2-Dichloroethene	5.55	61	76552	0.904	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	159272	1.041	ppbv	99
34) 2-Butanone	5.26	43	73147	0.891	ppbv	96
35) Carbon Tetrachloride	7.01	117	150745	0.954	ppbv	94
36) Benzene	6.89	78	234340	1.036	ppbv	98
37) 1,2-Dichloroethane	6.31	62	111582	1.009	ppbv	98
38) Trichloroethene	7.83	130	87461	1.015	ppbv	95
39) 1,2-Dichloropropane	7.61	63	89844	1.028	ppbv	93
40) 1,4-Dioxane	7.87	88	30521m	1.290	ppbv	
41) Tetrahydrofuran	6.08	42	47707	0.887	ppbv #	88
42) Bromodichloromethane	7.79	83	156842	0.969	ppbv	99
43) Methyl Methacrylate	8.02	69	76981	0.990	ppbv	93

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Instrument :
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Manual Integrations
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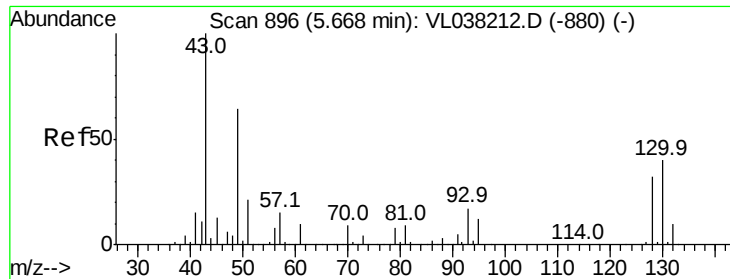
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

Quant Time: Dec 21 17:45:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	414834	1.094	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	48518	0.821	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	75001m	0.913	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	93712	1.036	ppbv	97
48) Dibromochloromethane	10.30	129	121829	0.927	ppbv	99
49) Bromoform	13.04	173	81332	0.877	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	122575	0.903	ppbv	89
51) 2-Hexanone	10.16	43	50753	0.817	ppbv #	82
52) Tetrachloroethene	11.22	164	82818	0.979	ppbv	93
53) Toluene	9.80	91	272266	1.047	ppbv	99
54) 1,2-Dibromoethane	10.60	107	129895	1.019	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.13	131	95876m	1.051	ppbv	
57) Chlorobenzene	12.14	112	204786m	1.110	ppbv	
58) Ethyl Benzene	12.71	91	357323	1.061	ppbv	96
59) m/p-Xylene	13.00	91	626076m	2.205	ppbv	
60) o-Xylene	13.68	91	293612	1.104	ppbv	99
61) Styrene	13.52	104	140007	1.020	ppbv	100
62) Isopropylbenzene	14.66	105	406114	1.083	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	204056	1.030	ppbv	98
64) n-propylbenzene	15.55	120	101374m	1.064	ppbv	
65) tert-Butylbenzene	16.74	119	369728	1.121	ppbv	98
66) Benzyl Chloride	16.98	91	10578m	0.775	ppbv	
67) sec-Butylbenzene	17.29	105	501511	1.095	ppbv	99
69) p-Isopropyltoluene	17.65	119	396152	1.101	ppbv	98
70) n-Butylbenzene	18.55	91	372800	1.088	ppbv	100
71) 2-Chlorotoluene	15.45	91	301487	1.092	ppbv	99
72) 4-Ethyltoluene	15.83	105	334777	1.090	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	301603	1.072	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	32682m	1.129	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	171717	1.088	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	154940	1.016	ppbv	92
77) 1,2-Dichlorobenzene	17.82	146	159919	1.053	ppbv	94
78) Hexachloro-1,3-Butadiene	23.37	225	108243m	1.145	ppbv	
79) Naphthalene	22.19	128	146444	0.967	ppbv	98
80) Naphthalene,2-methyl-	24.98	142	27795m	0.885	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	92215m	1.067	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

49 100

128 53.

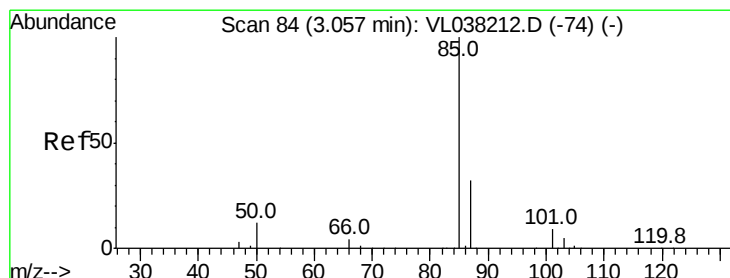
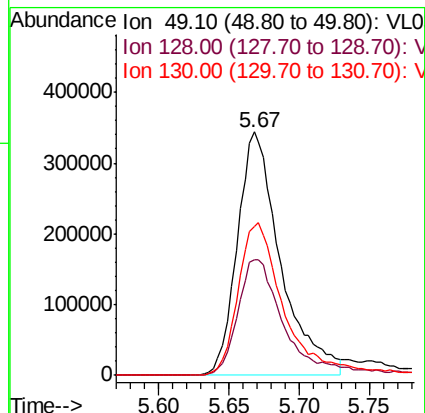
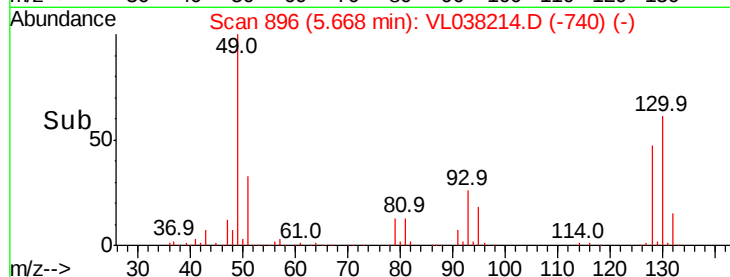
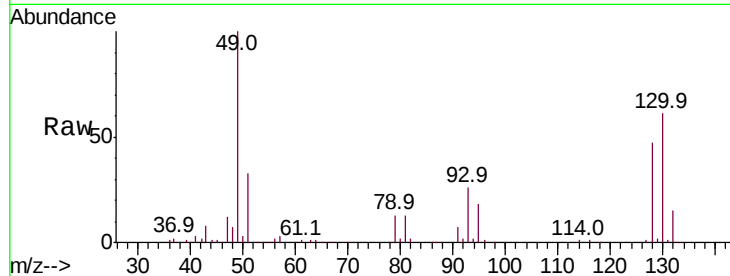
130 69.

Manual Integrations

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Supervised By :Mahesh Dadoda 12/29/2021



#2

Dichlorodifluoromethane

Concen: 1.091 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.00 min

Lab File: VL038214.D

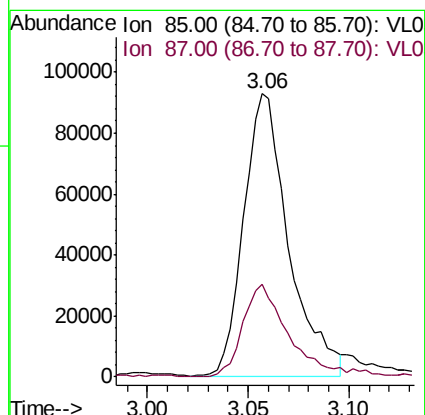
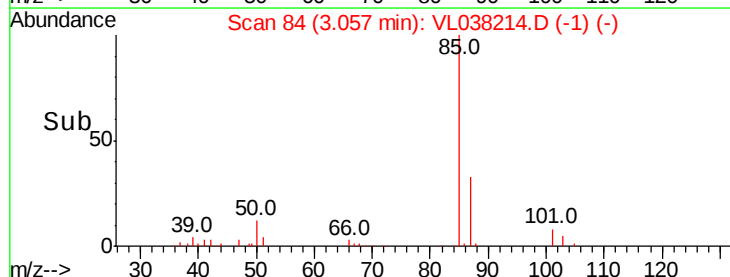
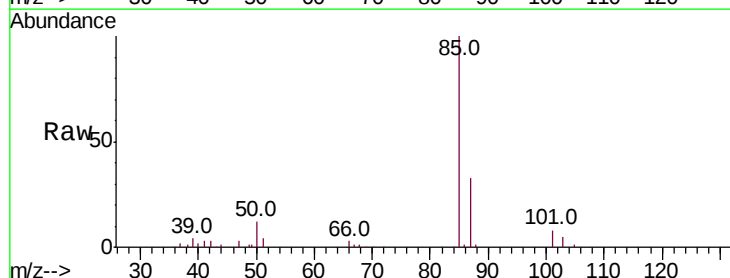
Acq: 21 Dec 2021 14:39

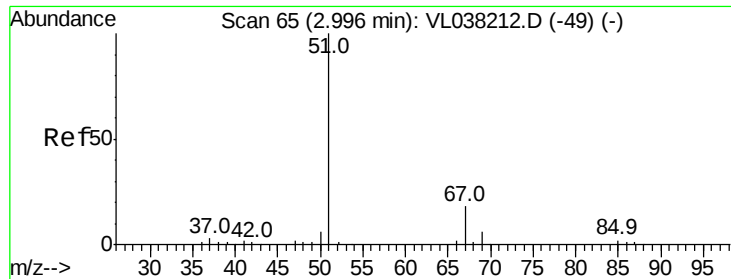
Tgt Ion: 85 Resp: 144190

Ion Ratio Lower Upper

85 100

87 32.8 25.4 38.2





#3

Chlorodifluoromethane

Concen: 1.103 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

51 100

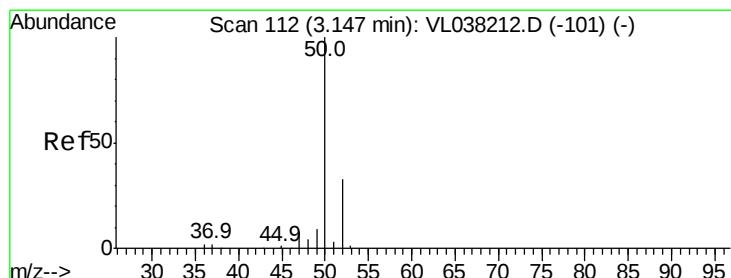
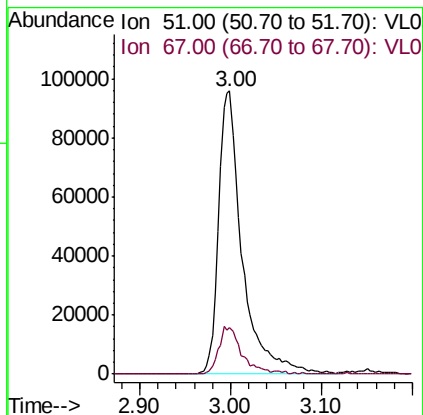
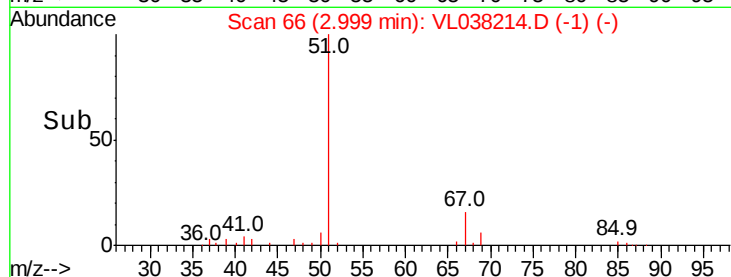
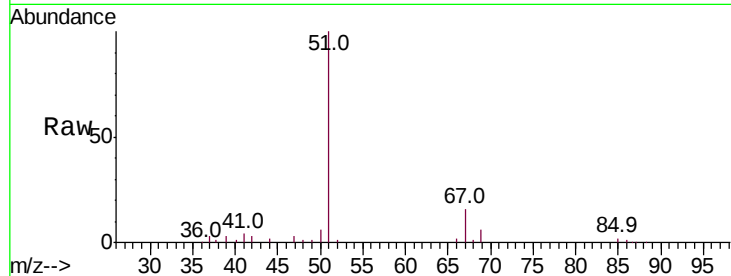
67 17.

Manual Integrations

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Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#4

Chloromethane

Concen: 1.127 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038214.D

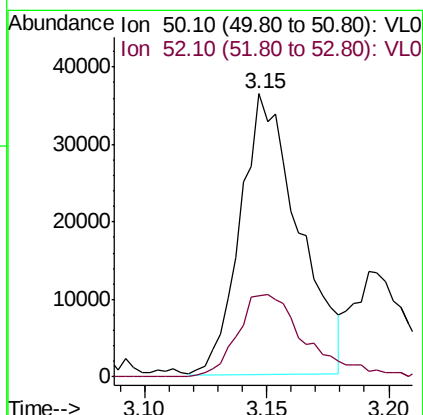
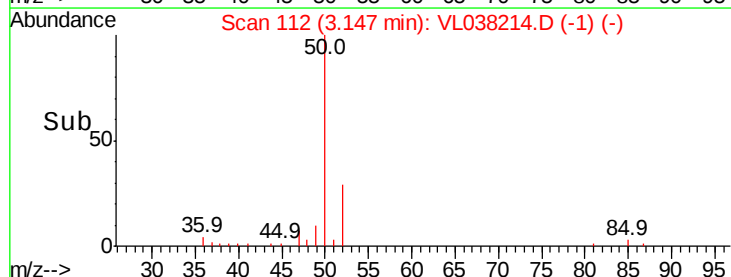
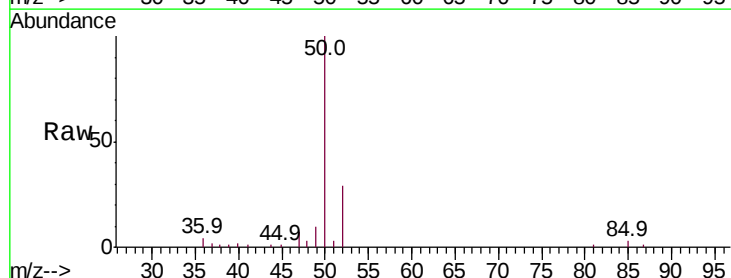
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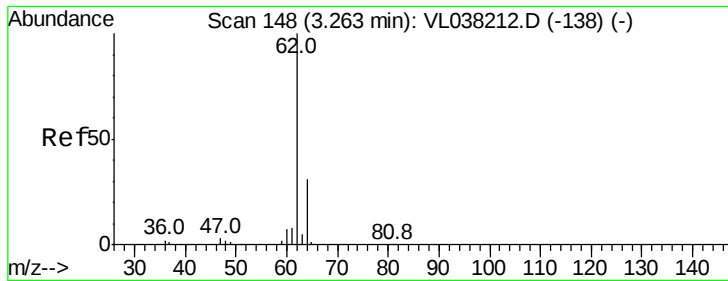
Tgt Ion: 50 Resp: 60334

Ion Ratio Lower Upper

50 100

52 28.9 26.2 39.2





#5

Vinyl Chloride

Concen: 1.077 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

62 100

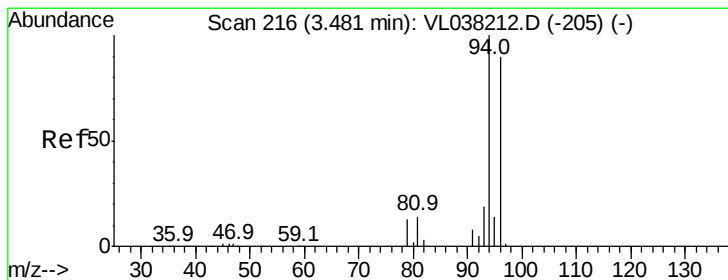
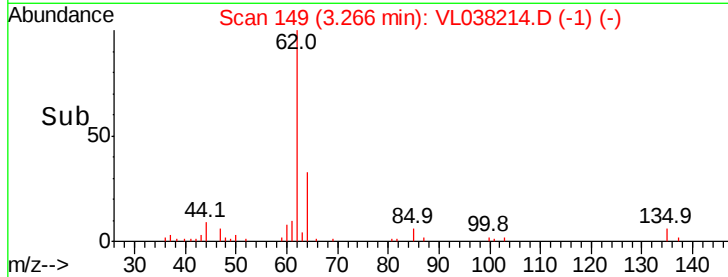
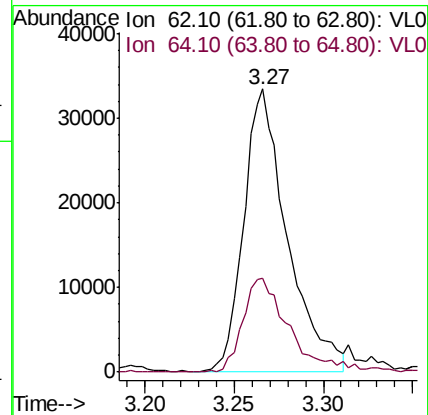
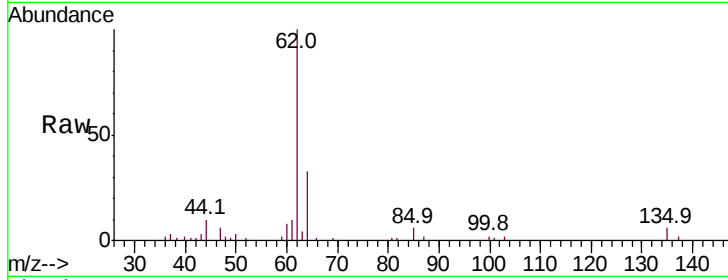
64 33.

Manual Integrations

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Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#6

Bromomethane

Concen: 1.063 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038214.D

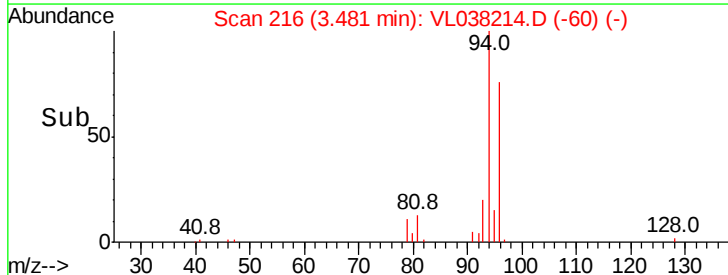
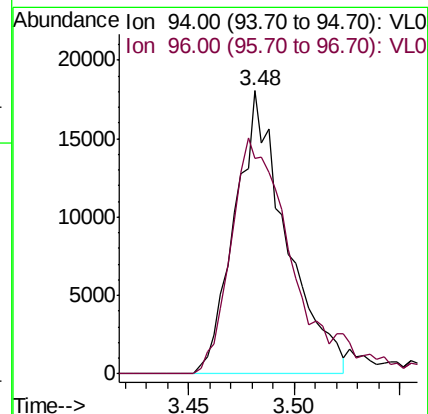
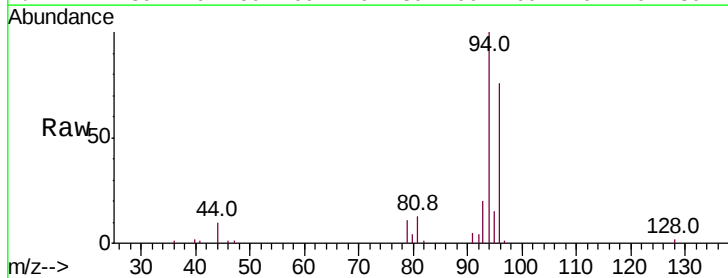
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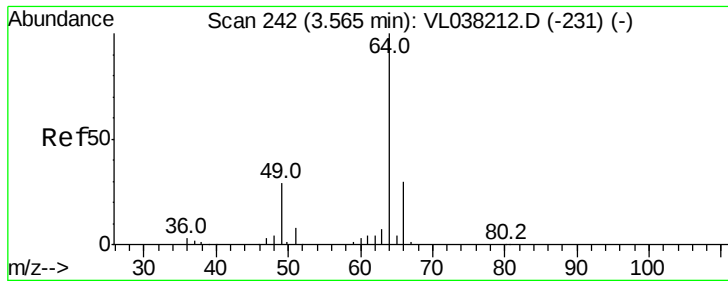
Tgt Ion: 94 Resp: 30409

Ion Ratio Lower Upper

94 100

96 76.1 72.2 108.2





#7

Chloroethane

Concen: 1.025 ppbv m

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

64 100

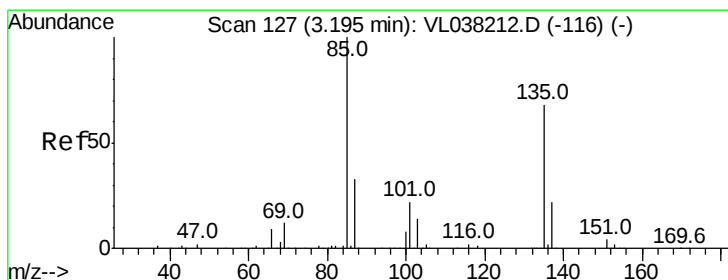
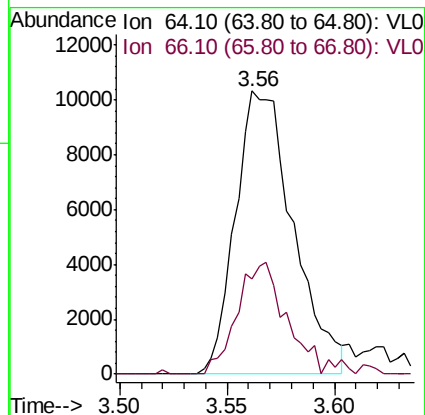
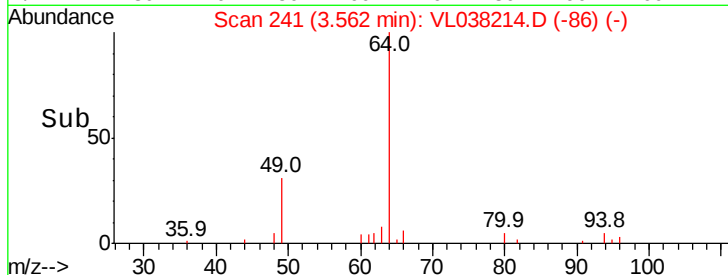
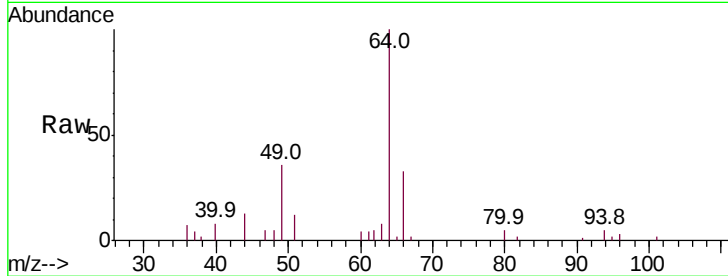
66 33.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#8

Dichlorotetrafluoroethane

Concen: 1.117 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL038214.D

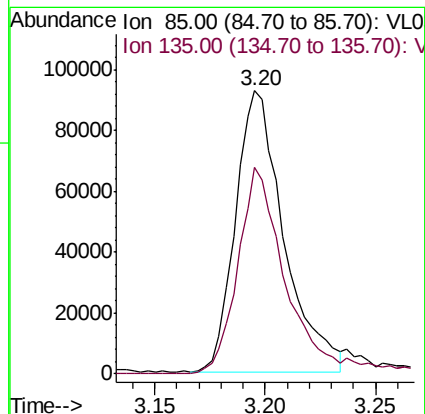
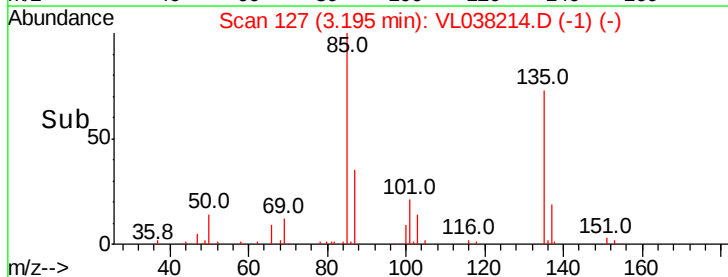
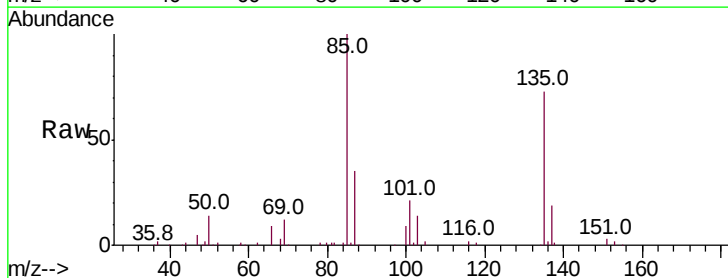
Acq: 21 Dec 2021 14:39

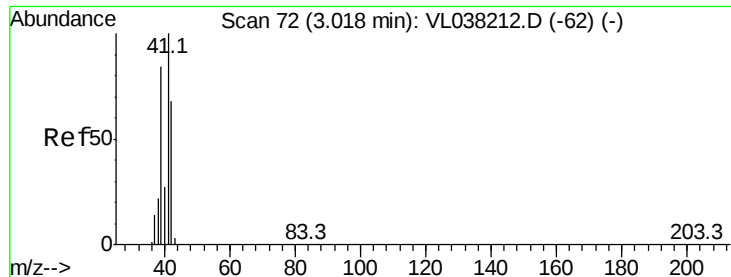
Tgt Ion: 85 Resp: 140470

Ion Ratio Lower Upper

85 100

135 75.6 57.7 86.5



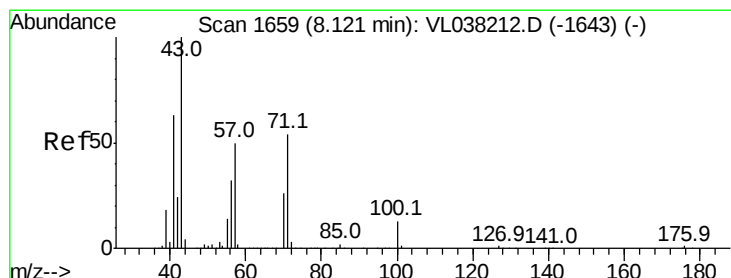
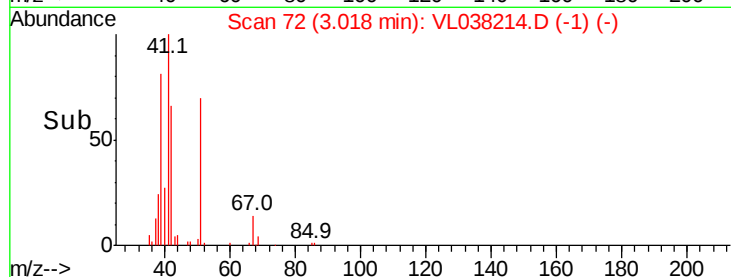
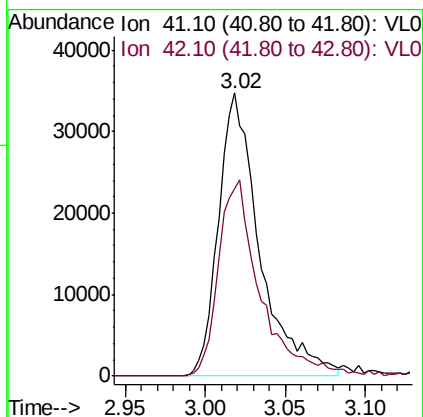
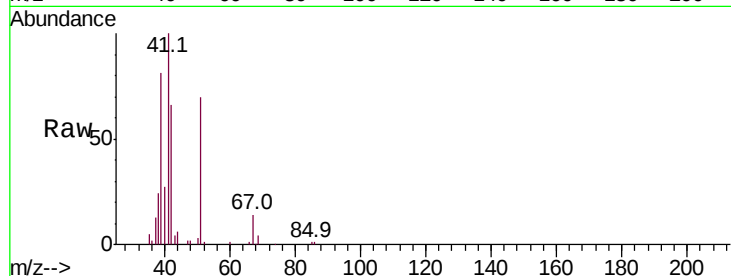


#9
 Propene
 Concen: 1.085 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 21 Dec 2021 14:39

Tot Ion:
 Ion Ratio
 41 100
 42 69.

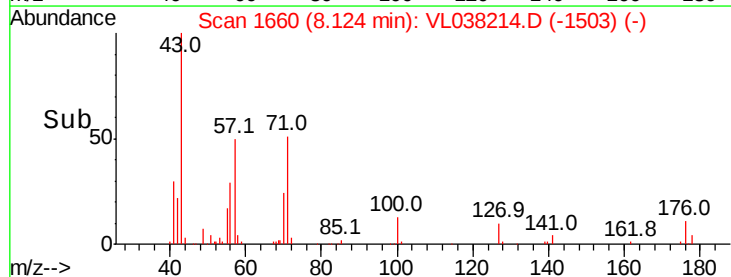
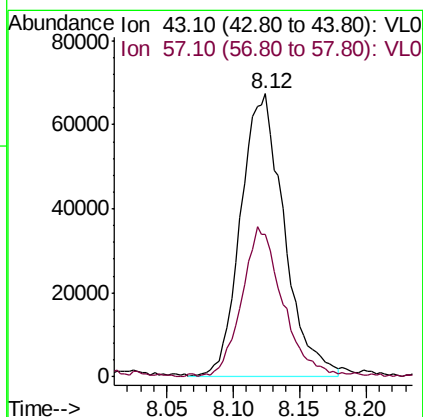
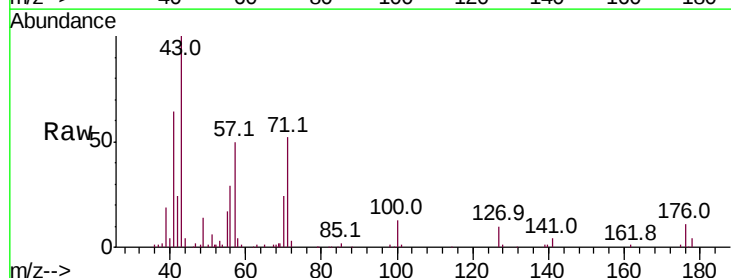
Manual Integrations
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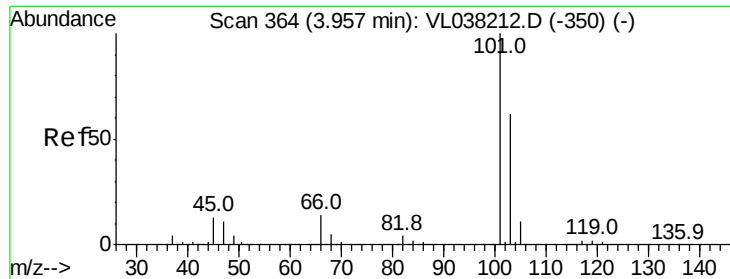
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#10
 Heptane
 Concen: 1.080 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion: 43 Resp: 152096
 Ion Ratio Lower Upper
 43 100
 57 51.2 40.3 60.5



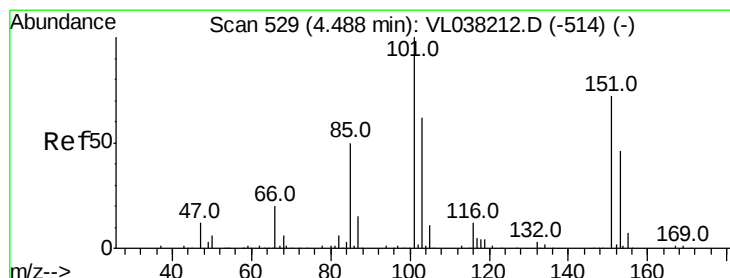
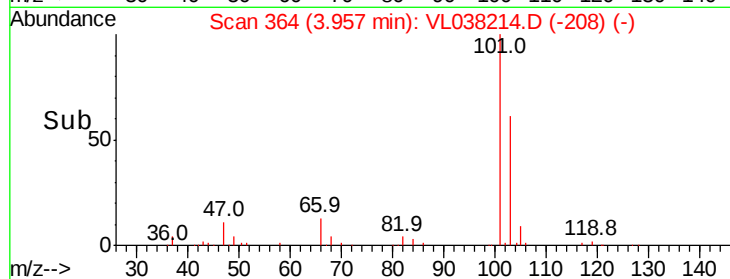
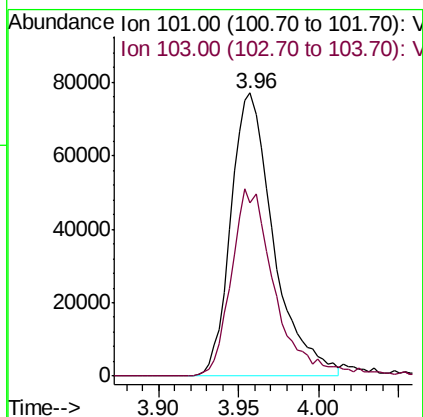
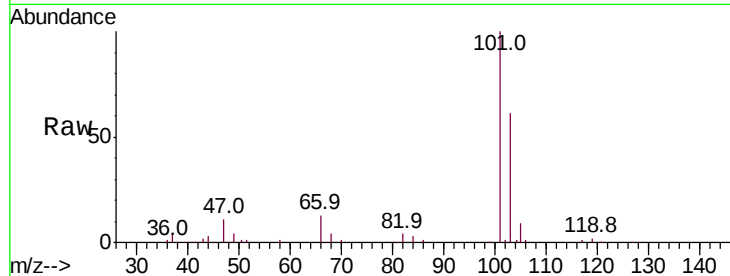


#11
 Trichlorofluoromethane
 Concen: 1.134 ppbv
 RT: 3.96
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Dec 2021 14:39

Tot Ion:1
 Ion Rati
 101 100
 103 61.

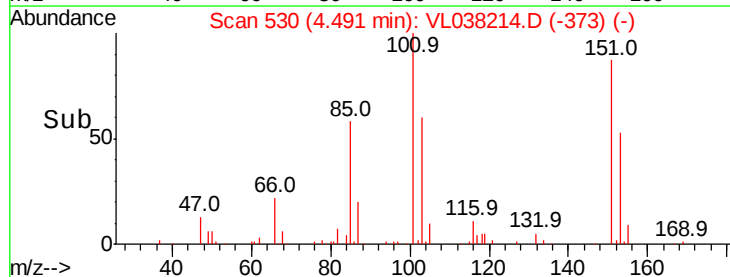
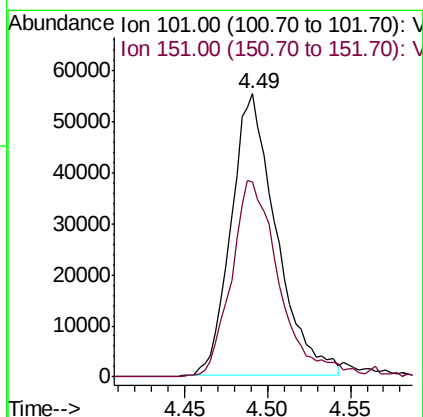
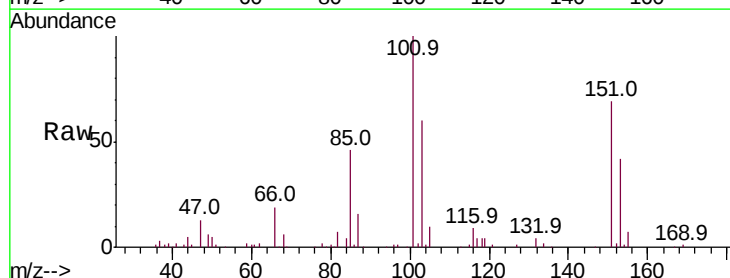
Manual Integrations
 APPROVED

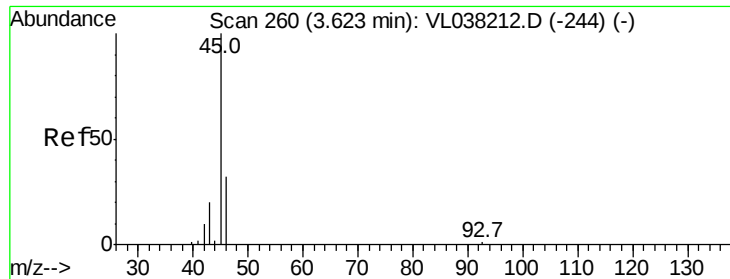
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.147 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion:101 Resp: 104443
 Ion Ratio Lower Upper
 101 100
 151 73.6 58.6 87.8



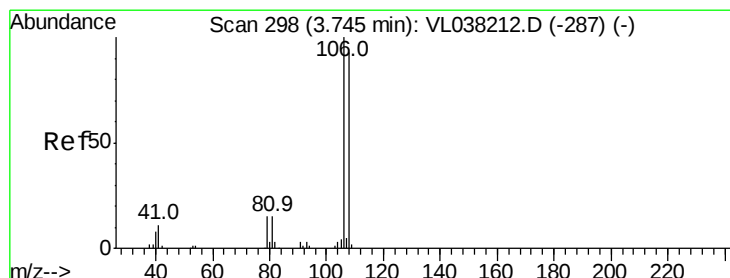
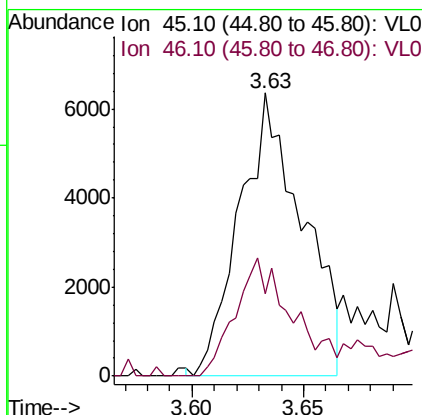
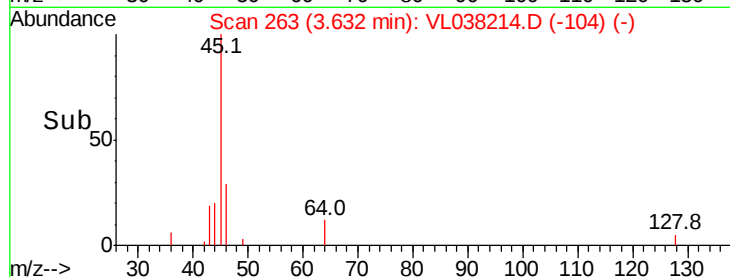
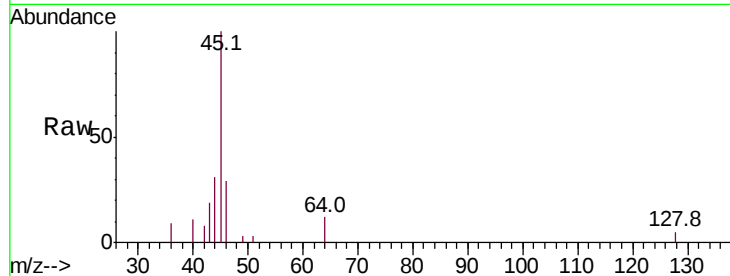


#13
Ethanol
Concen: 1.401 ppbv m
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Dec 2021 14:39 VSTDIC001

Tot Ion:
Ion Ratio
45 100
46 0.

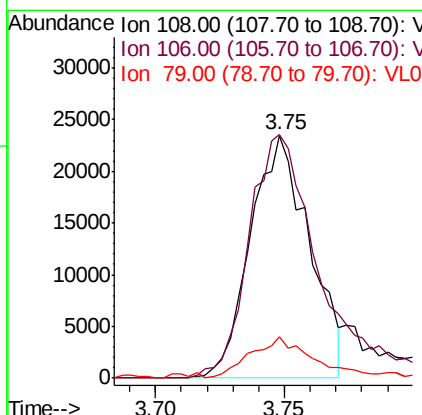
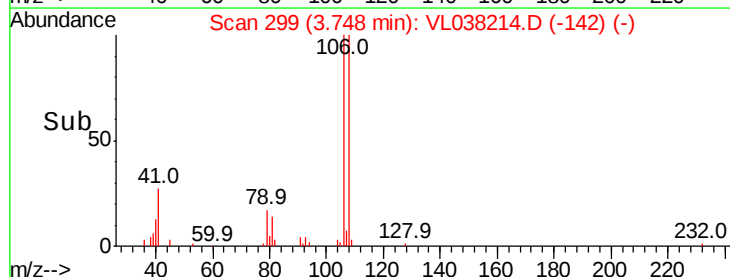
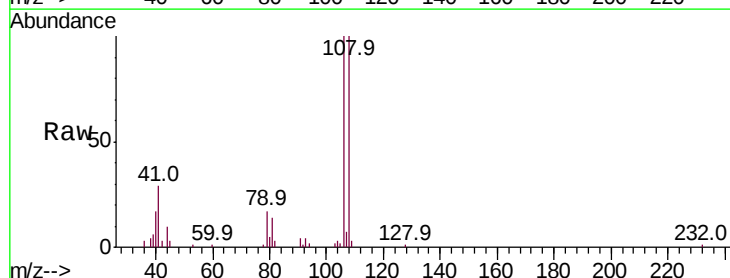
Manual Integrations
APPROVED

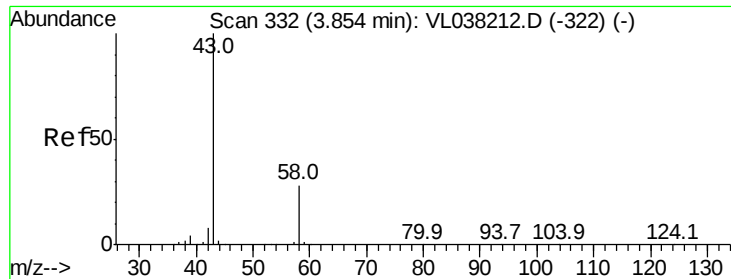
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#14
Bromoethene
Concen: 0.990 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion:108 Resp: 37474
Ion Ratio Lower Upper
108 100
106 124.9 88.2 132.2
79 21.4 13.7 20.5#





#15

Acetone

Concen: 1.174 ppbv

RT: 3.87 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Dec 2021 14:39 VSTDIC001

Tot Ion:

Ion Ratio

43 100

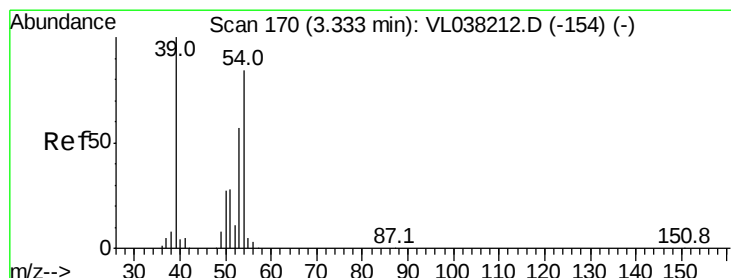
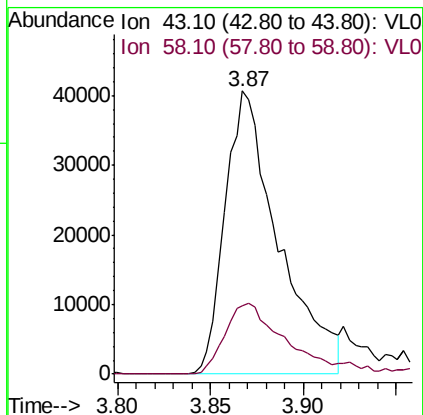
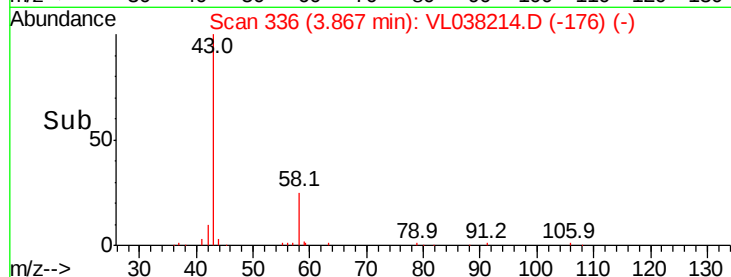
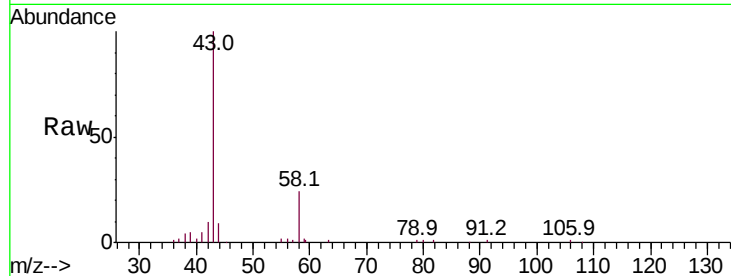
58 30.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#16

1,3-Butadiene

Concen: 1.010 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL038214.D

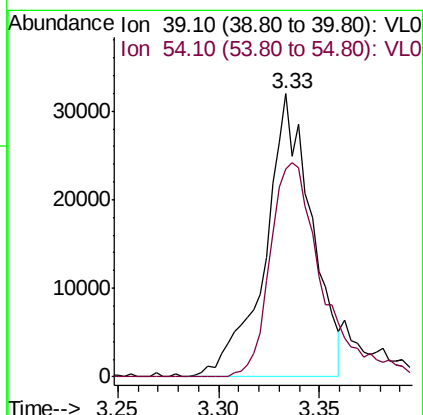
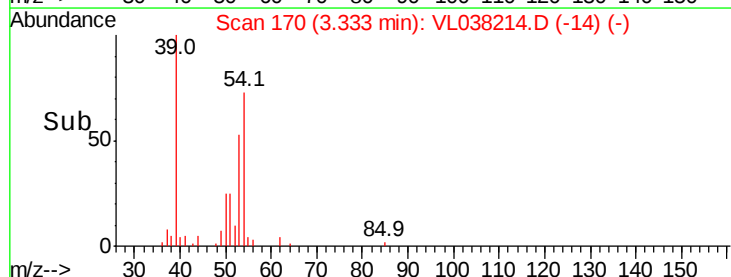
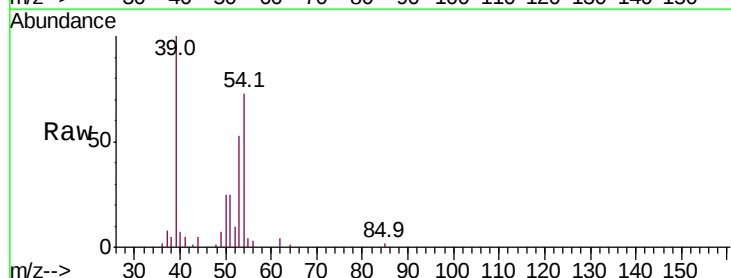
Acq: 21 Dec 2021 14:39

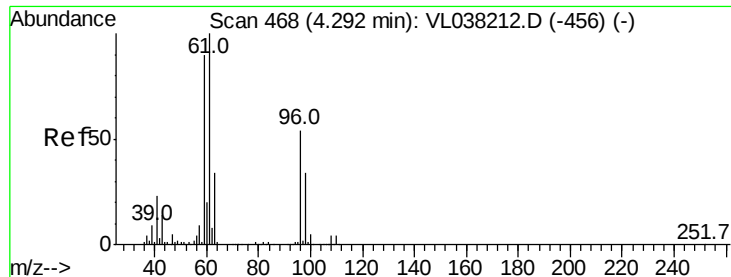
Tgt Ion: 39 Resp: 50903

Ion Ratio Lower Upper

39 100

54 88.2 62.9 94.3





#17

tert-Butyl alcohol

Concen: 1.069 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 21 Dec 2021 14:39 VSTDIC001

Tot Ion:

Ion Ratio

59 100

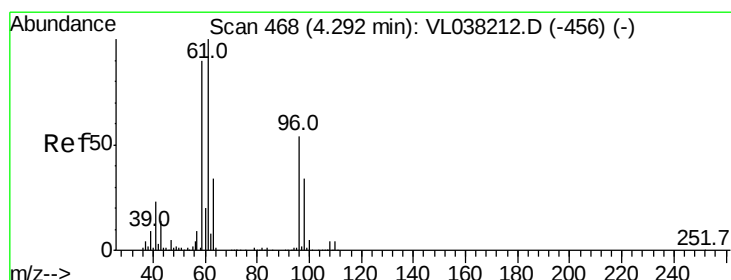
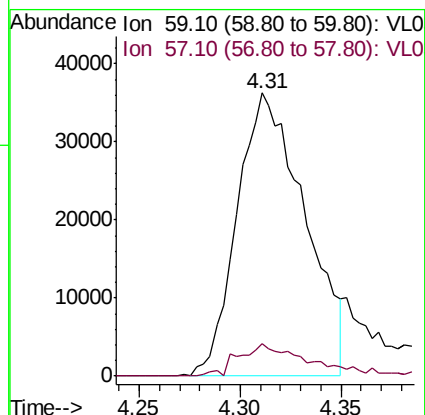
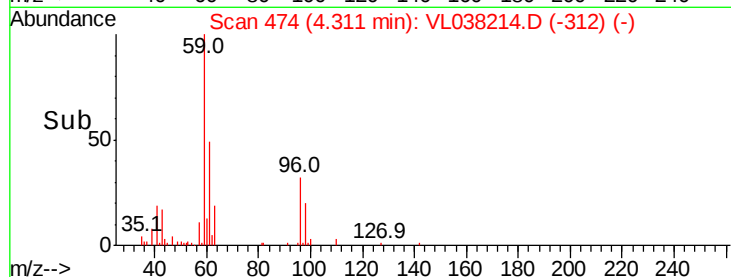
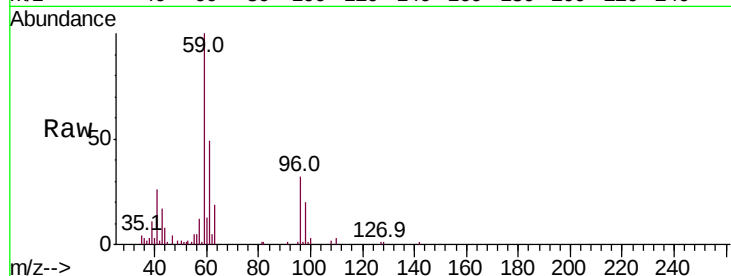
57 12.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#18

1,1-Dichloroethene

Concen: 1.126 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

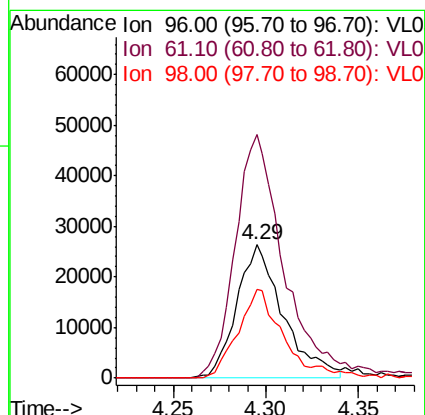
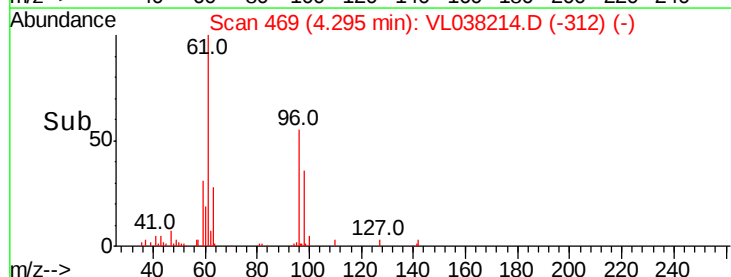
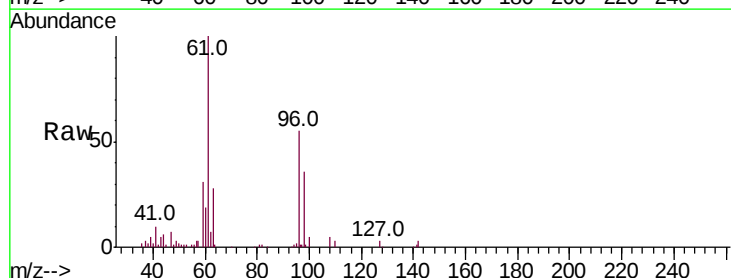
Tgt Ion: 96 Resp: 45879

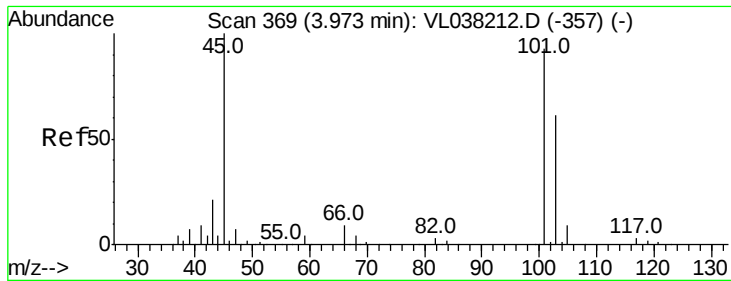
Ion Ratio Lower Upper

96 100

61 181.7 147.4 221.0

98 66.1 50.7 76.1





#19

Isopropyl Alcohol

Concen: 1.079 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 21 Dec 2021 14:39 VSTDIC001

Tot Ion:

Ion Ratio

45 100

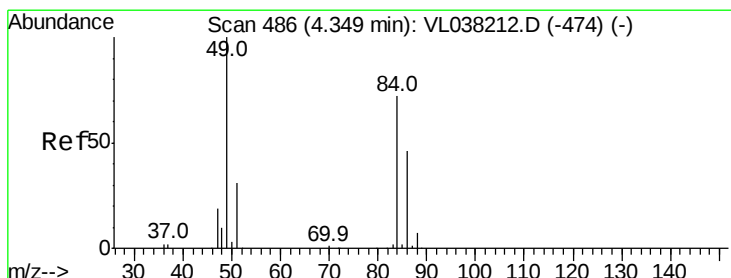
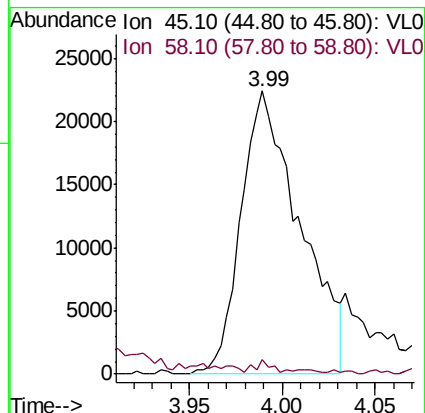
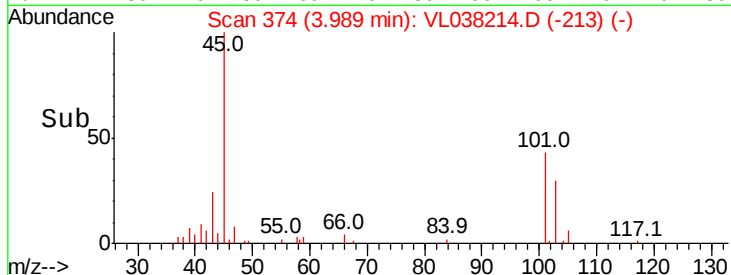
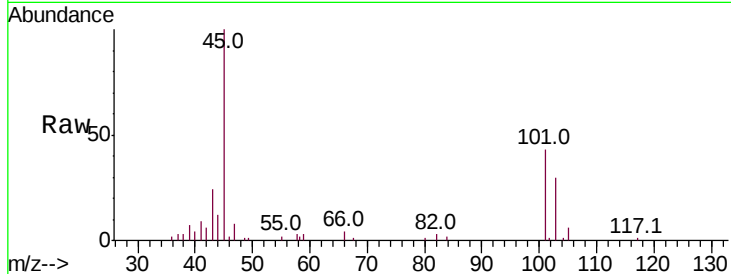
58 53.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#20

Methylene Chloride

Concen: 1.233 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

Tgt Ion: 84 Resp: 48660

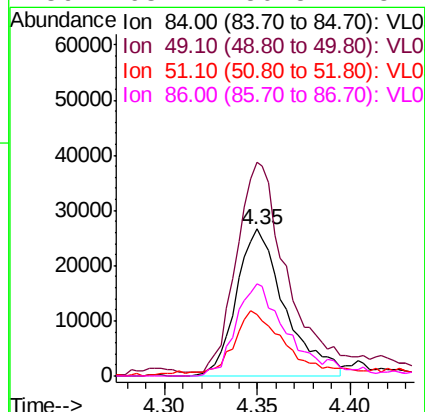
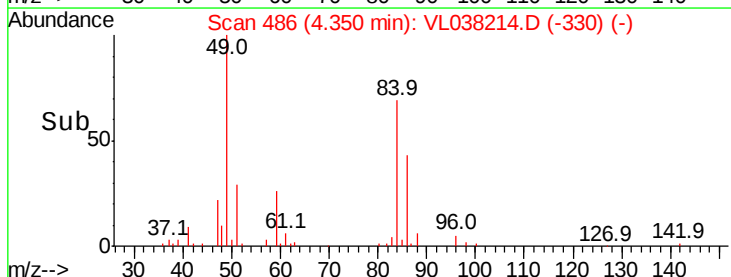
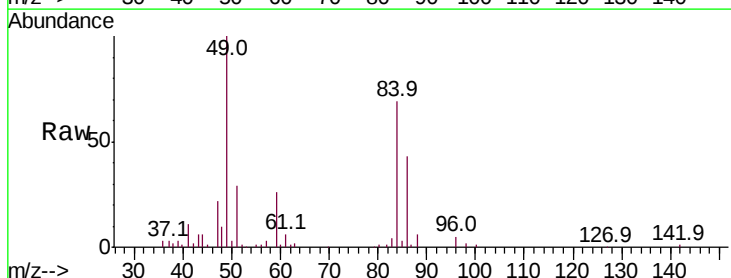
Ion Ratio Lower Upper

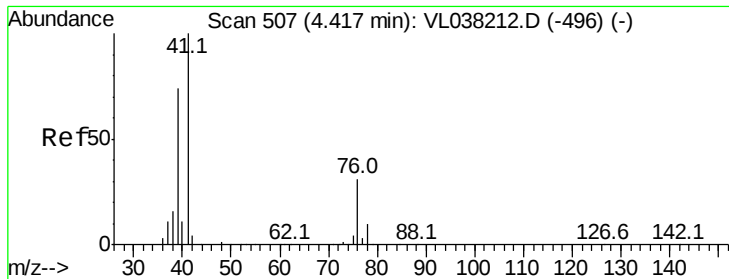
84 100

49 142.0 110.6 166.0

51 39.3 34.2 51.2

86 63.1 50.5 75.7





#21

Allvl Chloride

Concen: 1.116 ppbv

RT: 4.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

41 100

76 29.

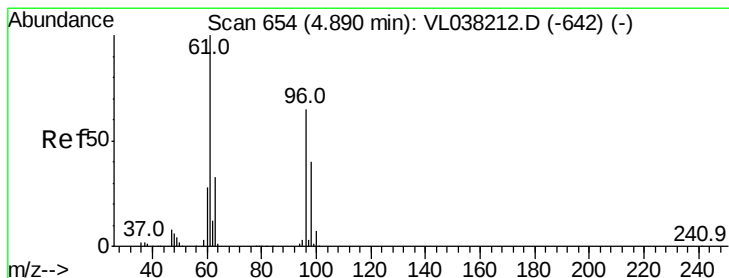
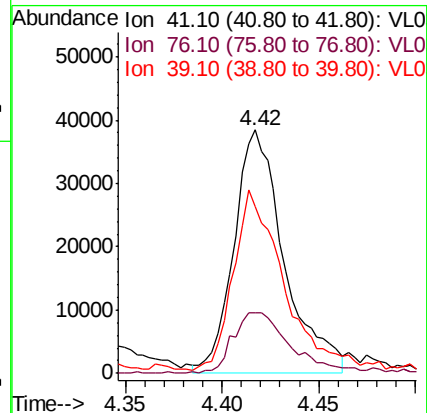
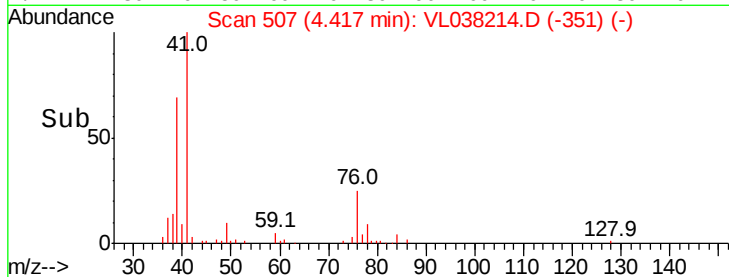
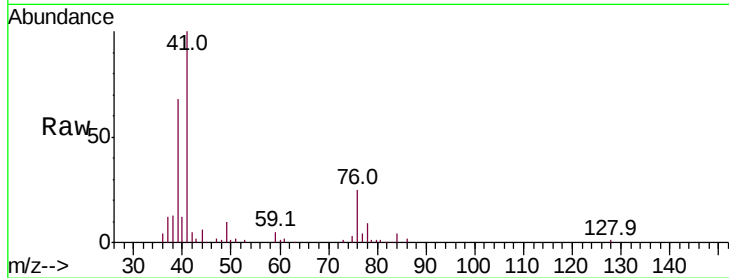
39 81.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#22

trans-1,2-Dichloroethene

Concen: 1.058 ppbv

RT: 4.89 min Scan# 654

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

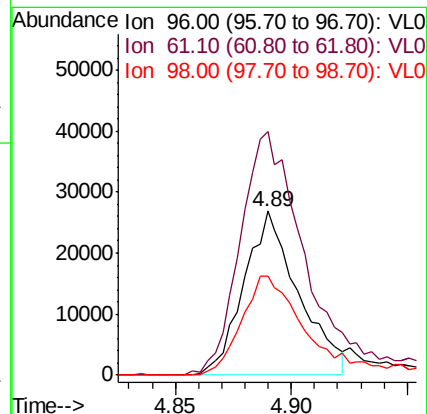
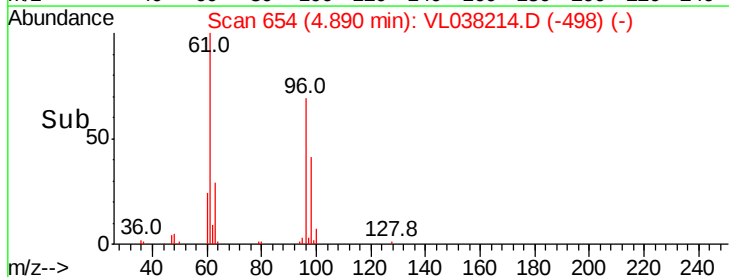
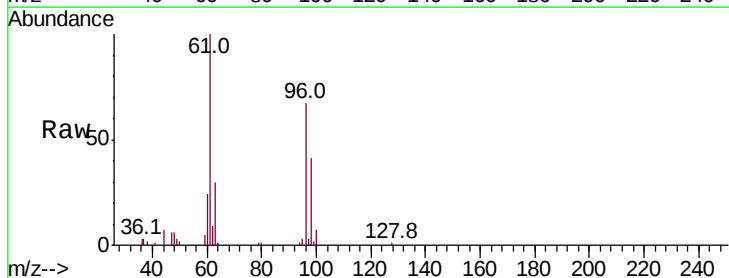
Tgt Ion: 96 Resp: 44005

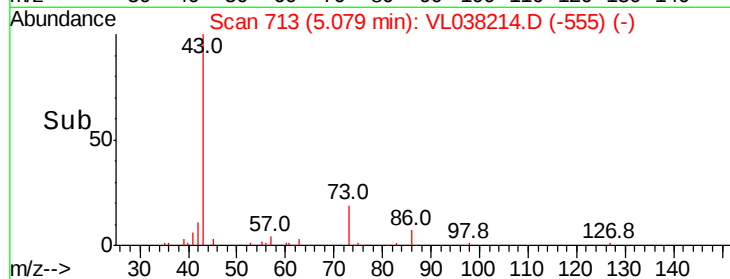
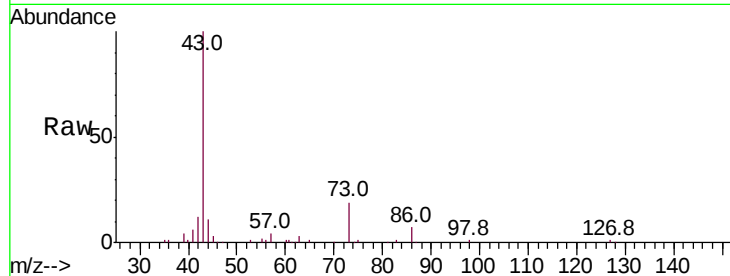
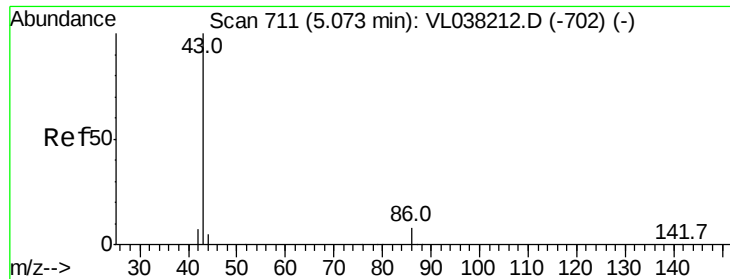
Ion Ratio Lower Upper

96 100

61 146.3 123.5 185.3

98 60.4 50.0 75.0





#23

Vinyl Acetate

Concen: 1.079 ppbv

RT: 5.08

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

43 100

86 7.

42 11.

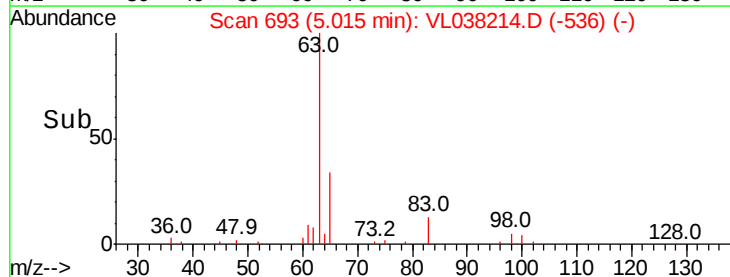
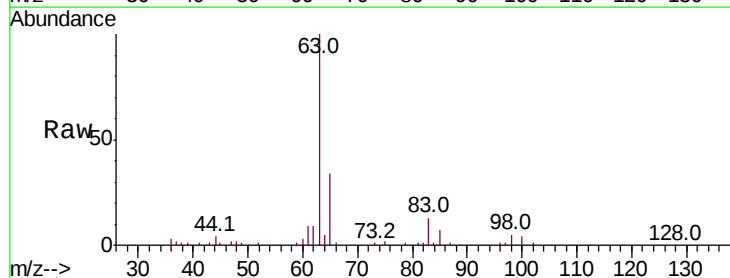
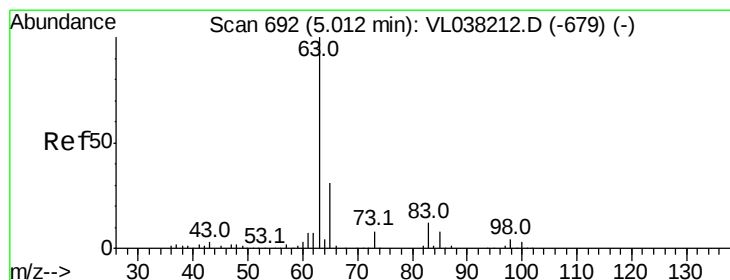
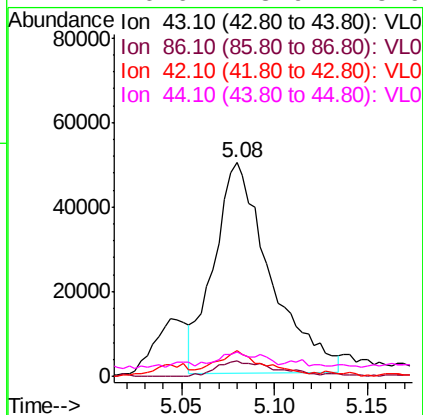
44 6.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#24

1,1-Dichloroethane

Concen: 1.136 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

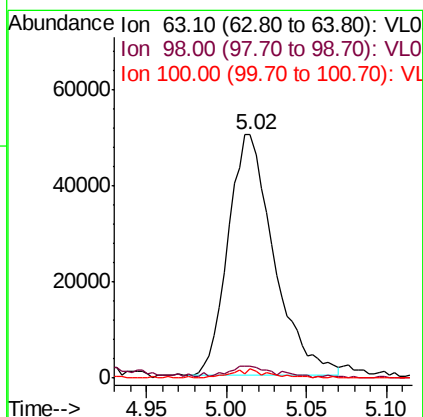
Tgt Ion: 63 Resp: 97363

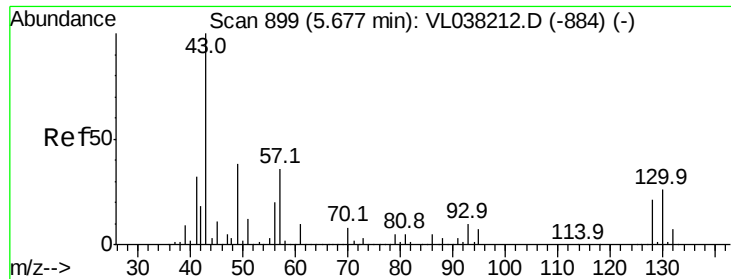
Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

100 4.1 1.5 4.4



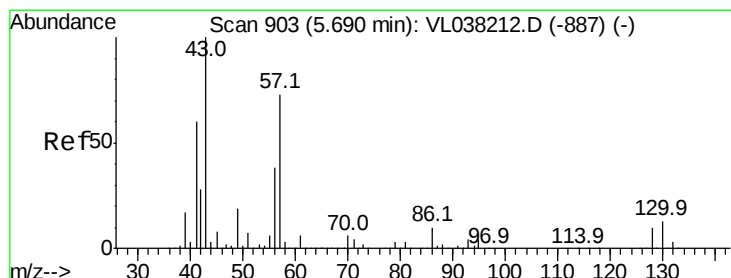
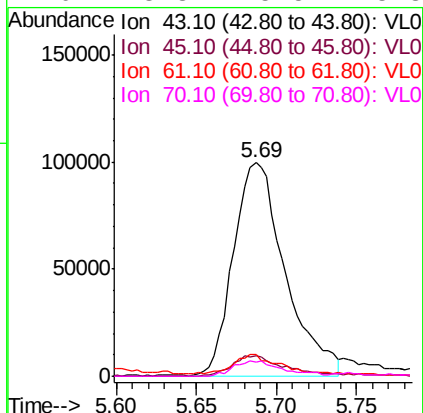
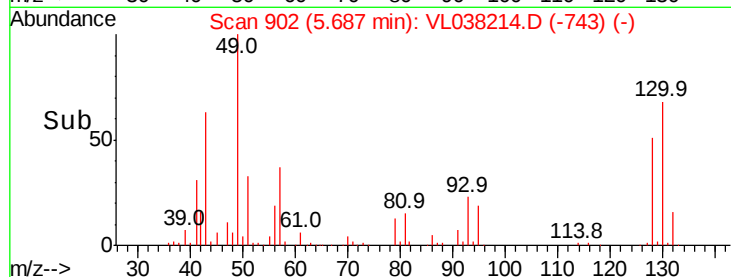
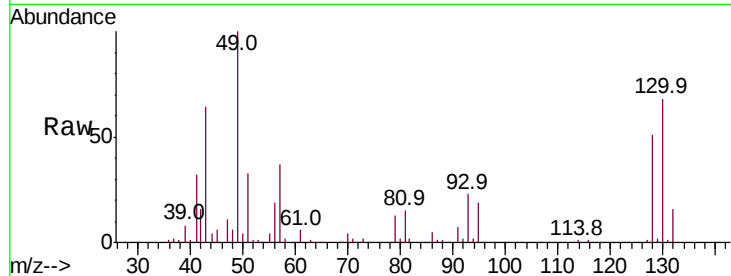


#25
Ethyl Acetate
Concen: 1.053 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC001
Acq: 21 Dec 2021 14:39

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

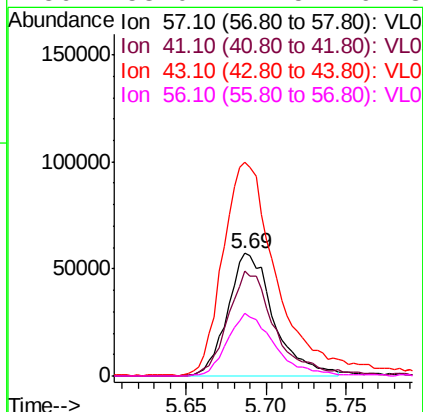
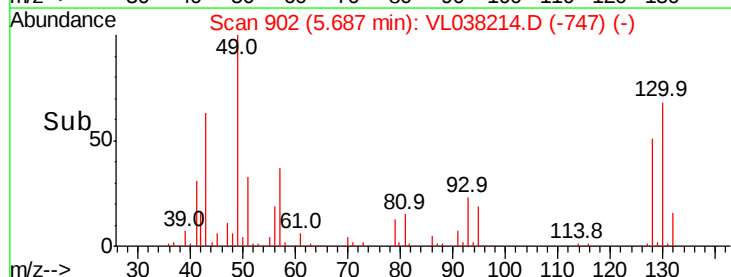
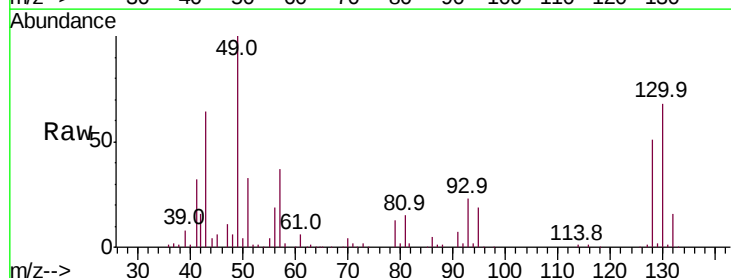
Manual Integrations
APPROVED

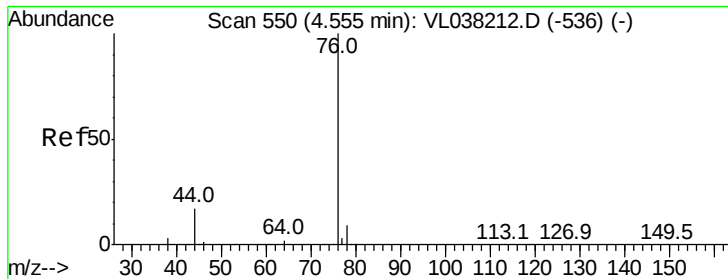
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#26
Hexane
Concen: 1.104 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion: 57 Resp: 112738
Ion Ratio Lower Upper
57 100
41 89.5 69.0 103.6
43 212.7 171.2 256.8
56 53.0 41.5 62.3



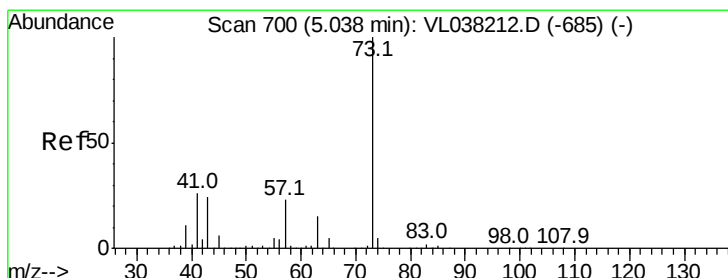
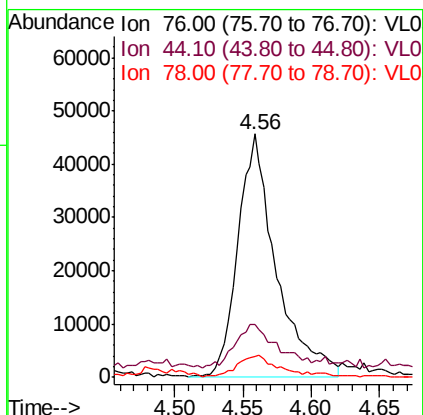
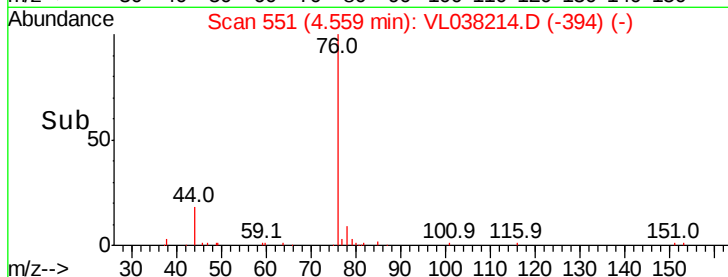
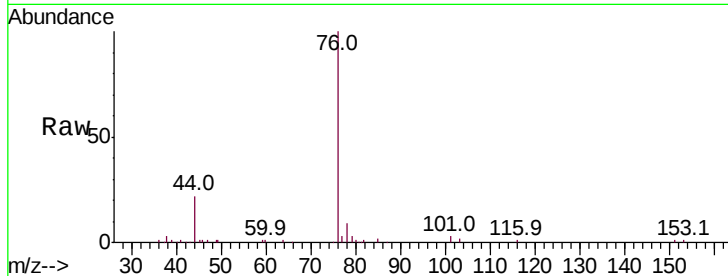


#27
Carbon Disulfide
Concen: 0.981 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 21 Dec 2021 14:39

Tot Ion:
Ion Ratio
76 100
44 21.
78 10.

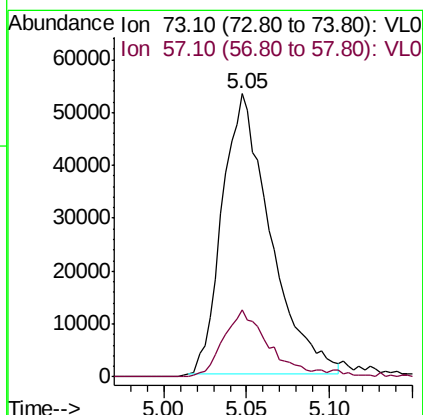
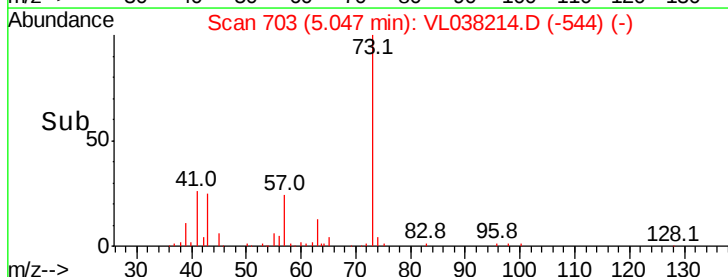
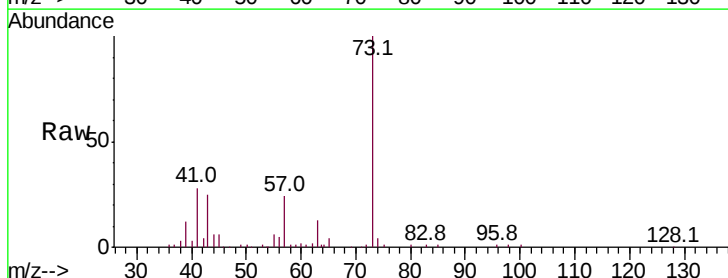
Manual Integrations
APPROVED

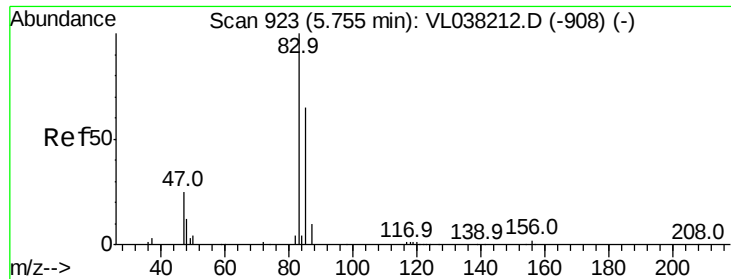
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#28
Methyl tert-Butyl Ether
Concen: 1.115 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.01 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion: 73 Resp: 106923
Ion Ratio Lower Upper
73 100
57 23.9 18.8 28.2



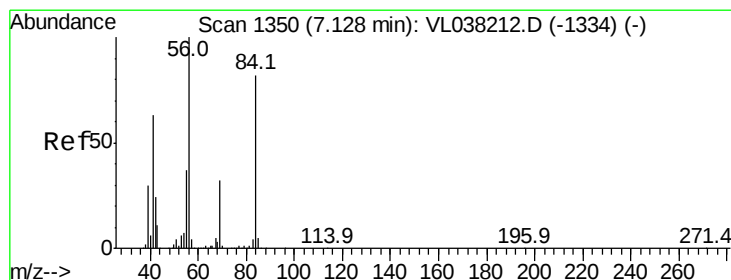
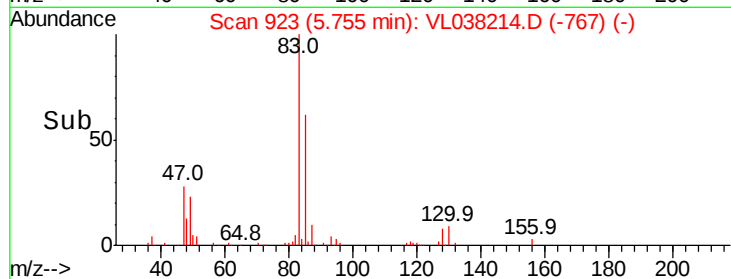
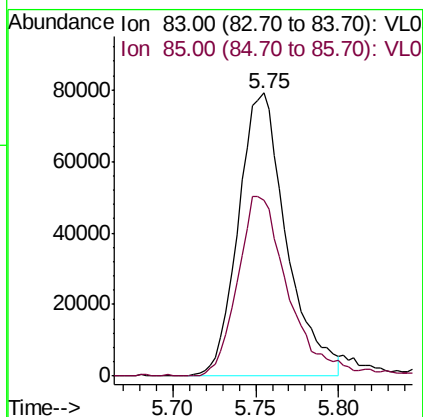
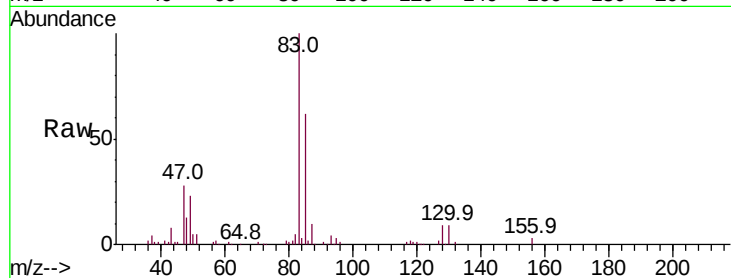


#29
Chloroform
Concen: 1.062 ppbv
RT: 5.75 min
Delta R.T.: 0.00 min
Lab File: VSTDIC001
Acq: 21 Dec 2021 14:39

Tot Ion:
Ion Ratio
83 100
85 62.

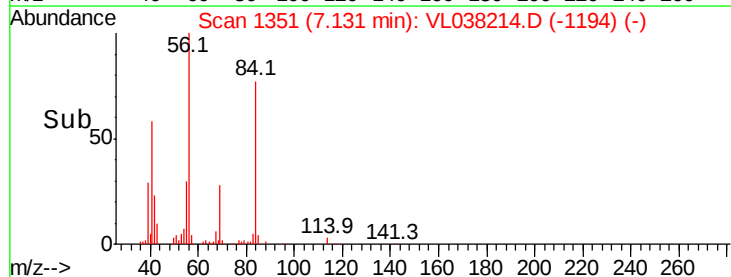
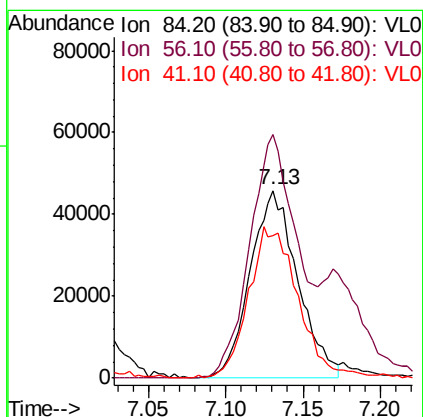
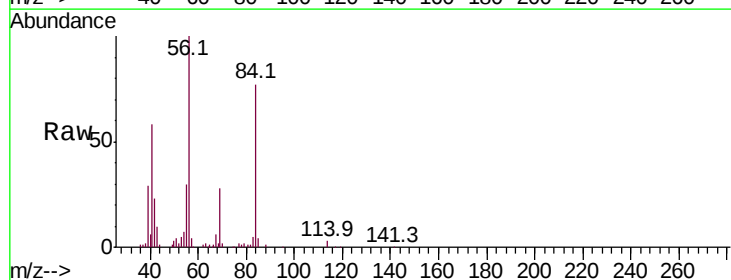
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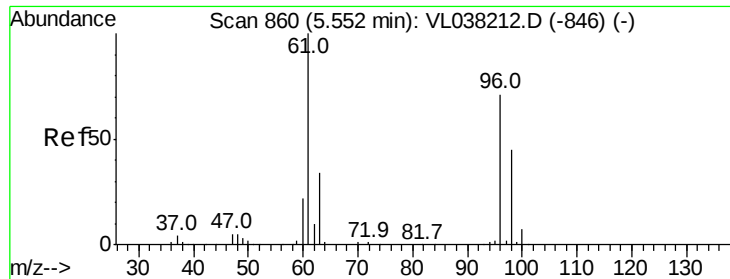
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#30
Cyclohexane
Concen: 1.052 ppbv
RT: 7.13 min Scan# 1351
Delta R.T.: 0.00 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion: 84 Resp: 97677
Ion Ratio Lower Upper
84 100
56 183.0 105.2 157.8#
41 85.3 63.2 94.8





#31

cis-1,2-Dichloroethene

Concen: 0.904 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC001

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

61 100

96 67.

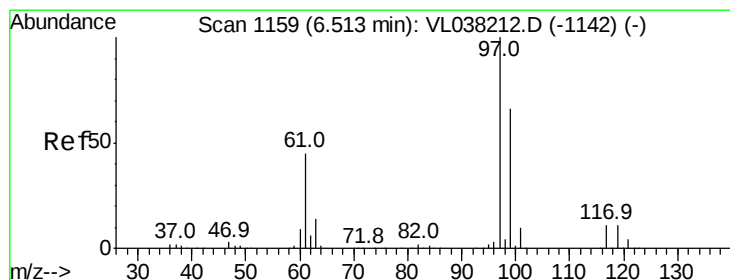
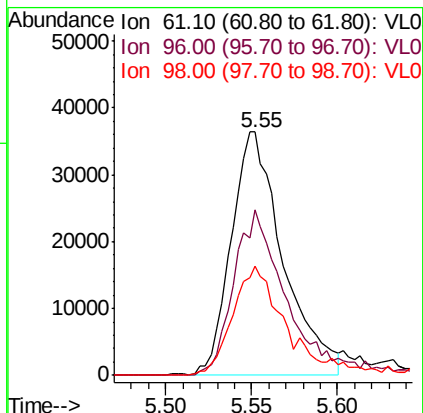
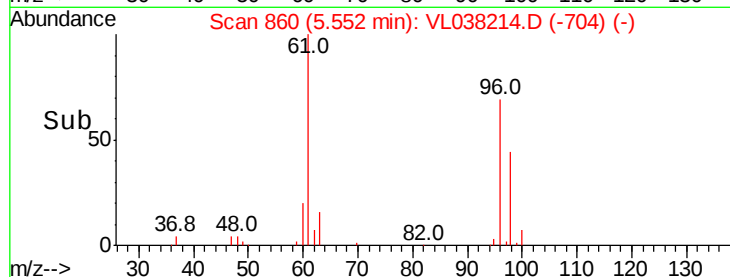
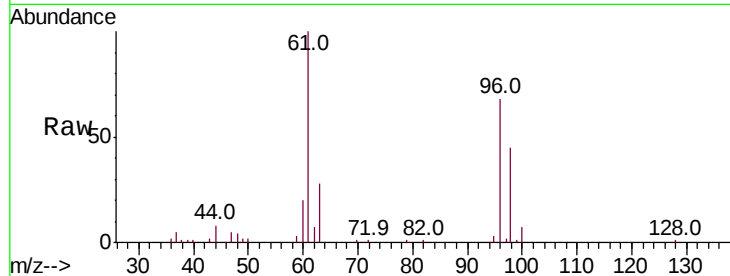
98 44.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#32

1,1,1-Trichloroethane

Concen: 1.041 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

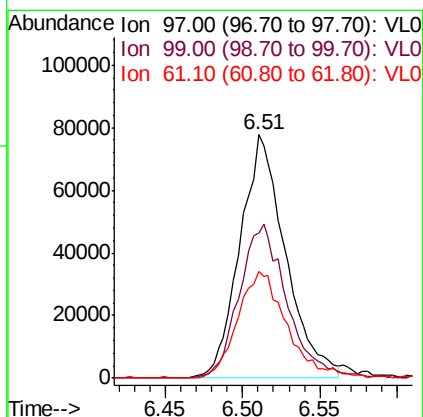
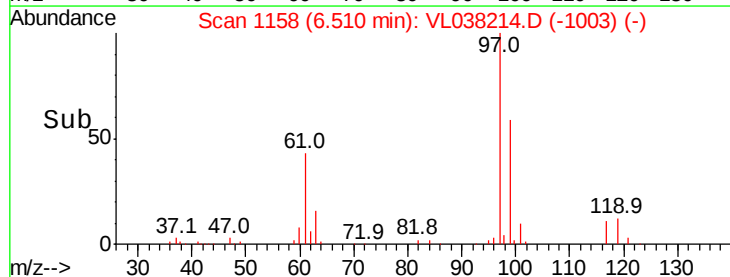
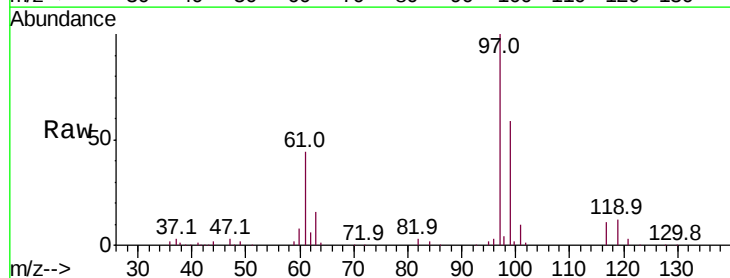
Tgt Ion: 97 Resp: 159272

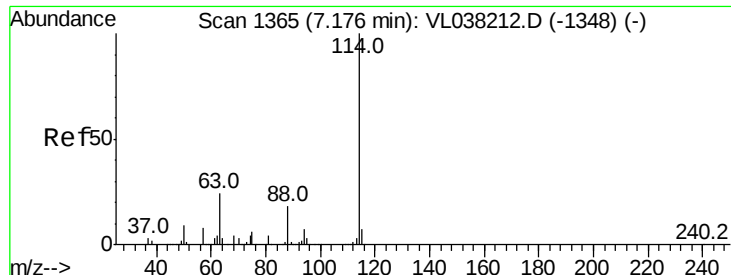
Ion Ratio Lower Upper

97 100

99 66.9 52.4 78.6

61 47.2 37.2 55.8



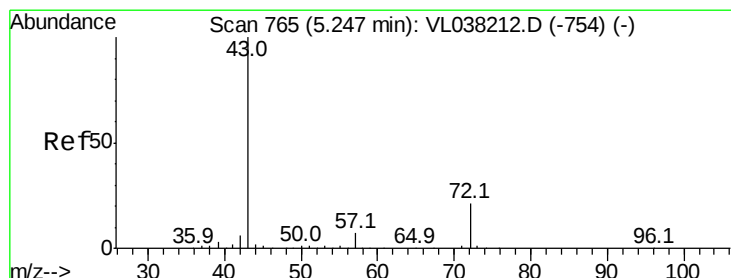
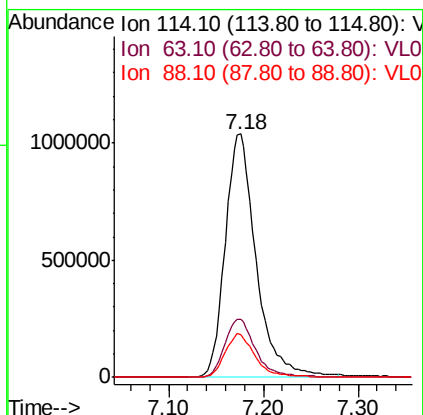
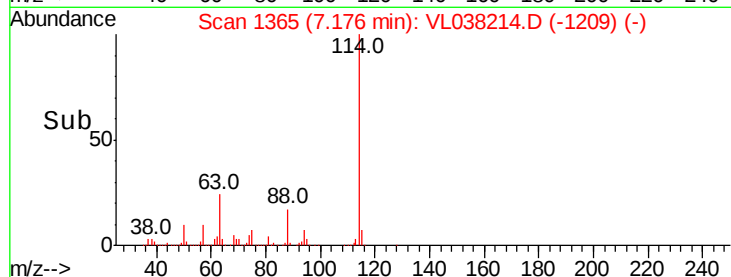
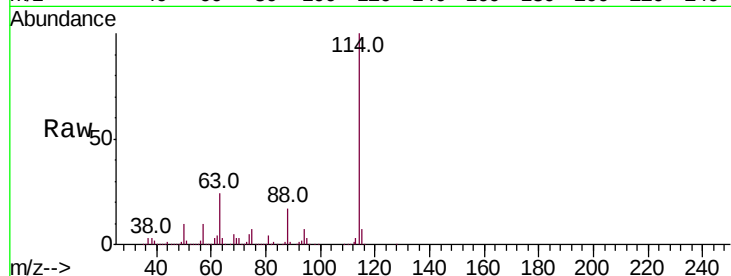


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC001
 Acq: 21 Dec 2021 14:39

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 17.

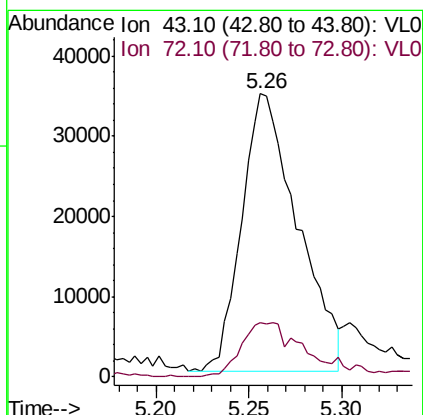
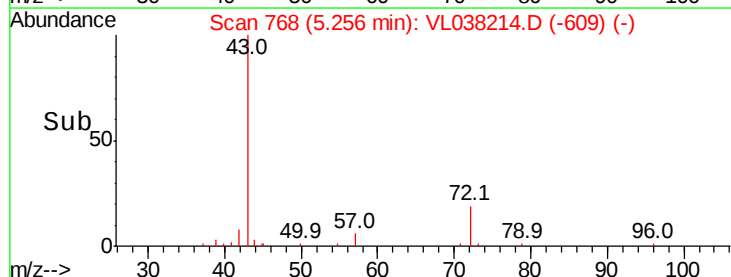
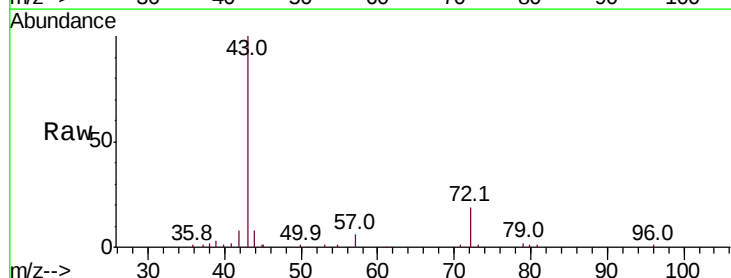
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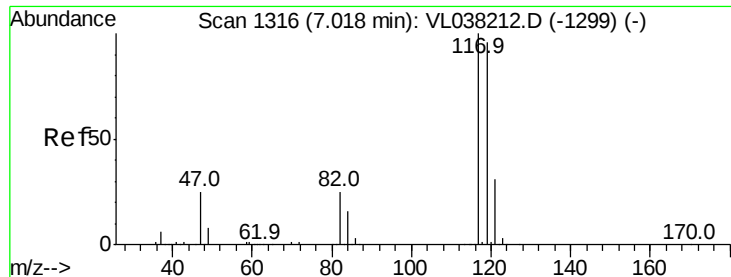
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#34
 2-Butanone
 Concen: 0.891 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion: 43 Resp: 73147
 Ion Ratio Lower Upper
 43 100
 72 25.1 18.3 27.5





#35

Carbon Tetrachloride

Concen: 0.954 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Dec 2021 14:39

Tot Ion:1

Ion Rati

117 100

119 90.

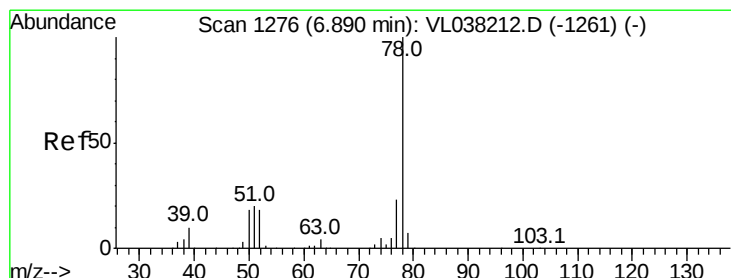
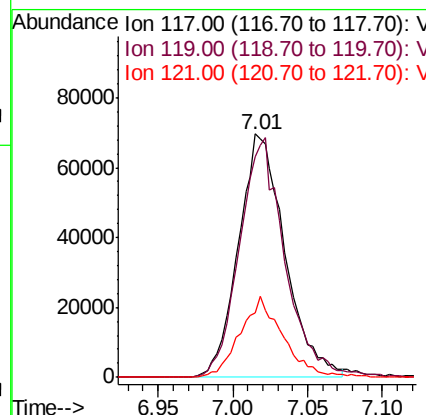
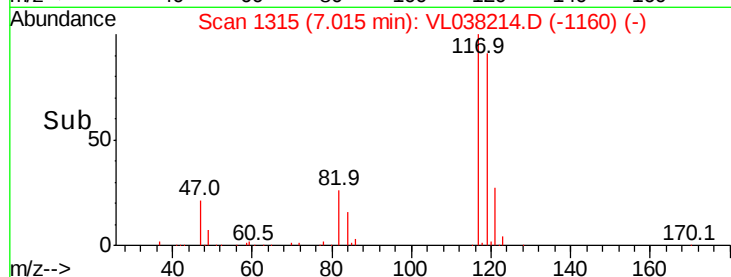
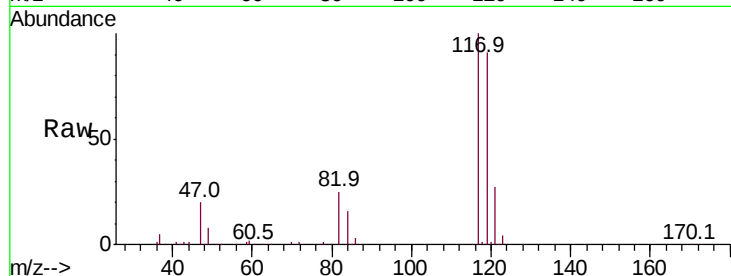
121 26.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#36

Benzene

Concen: 1.036 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

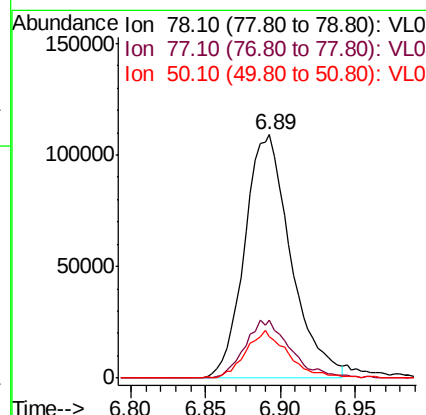
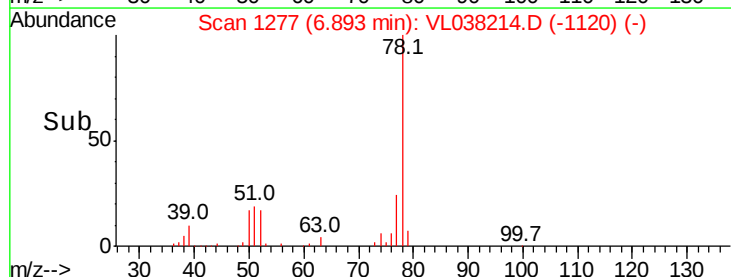
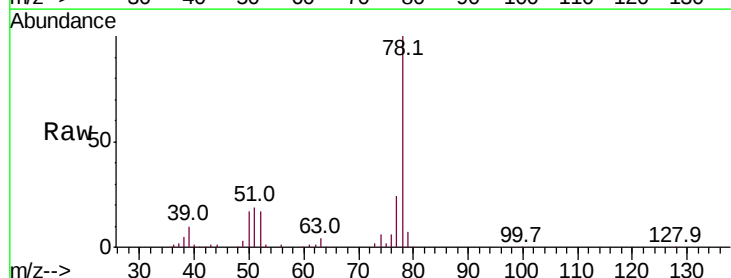
Tgt Ion: 78 Resp: 234340

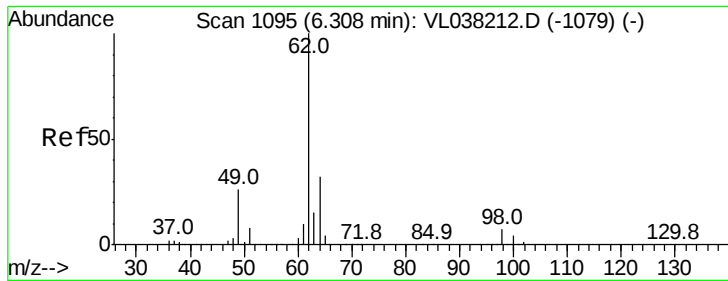
Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.4

50 16.9 14.3 21.5



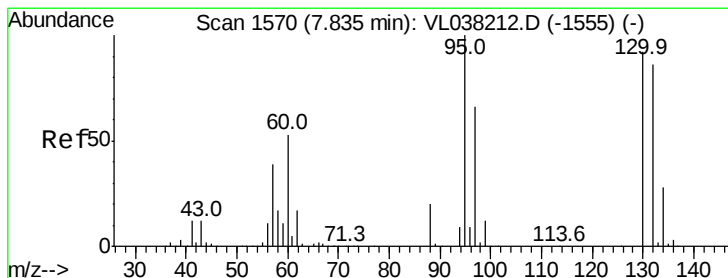
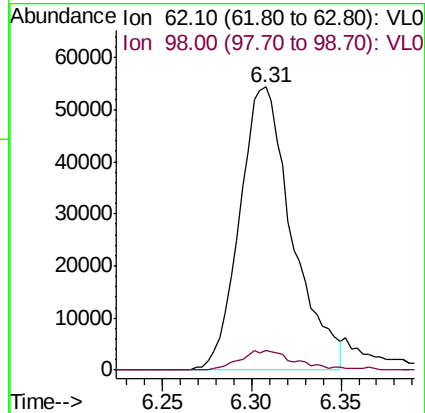
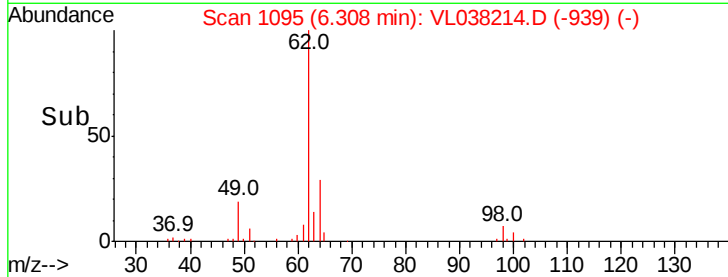
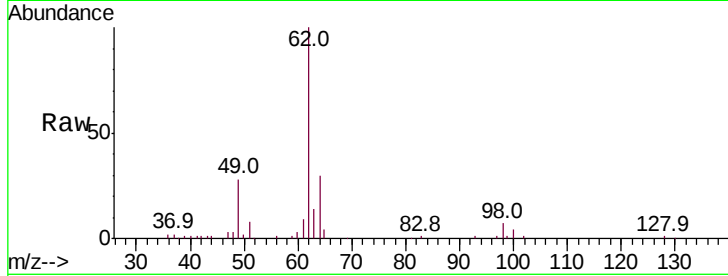


#37
 1,2-Dichloroethane
 Concen: 1.009 ppbv
 RT: 6.31
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Dec 2021 14:39

Tot Ion:
 Ion Ratio
 62 100
 98 7.

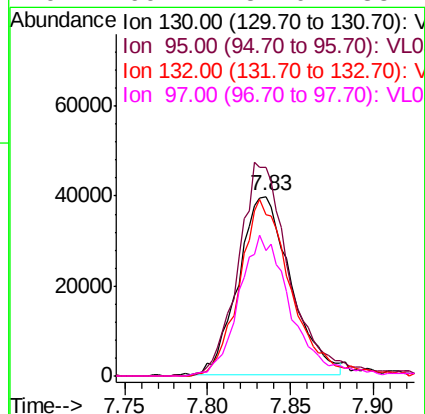
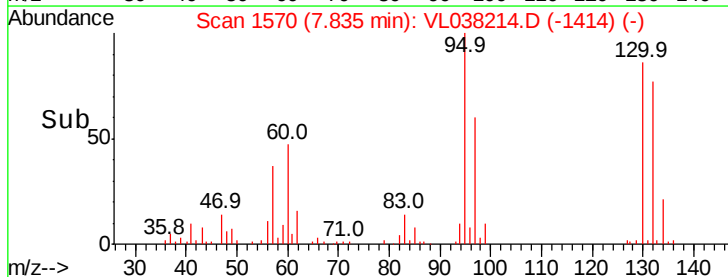
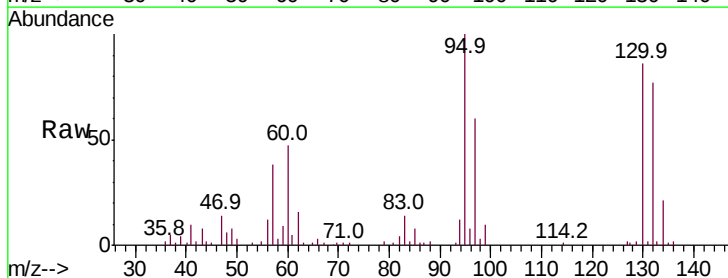
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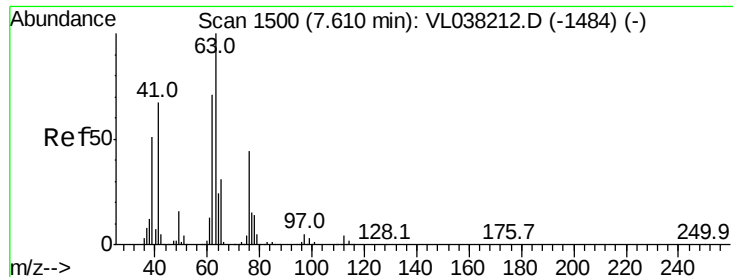
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#38
 Trichloroethene
 Concen: 1.015 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion:130 Resp: 87461
 Ion Ratio Lower Upper
 130 100
 95 116.9 87.0 130.4
 132 90.2 75.1 112.7
 97 69.2 57.0 85.4



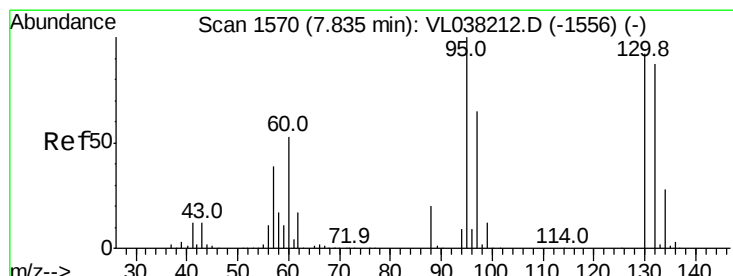
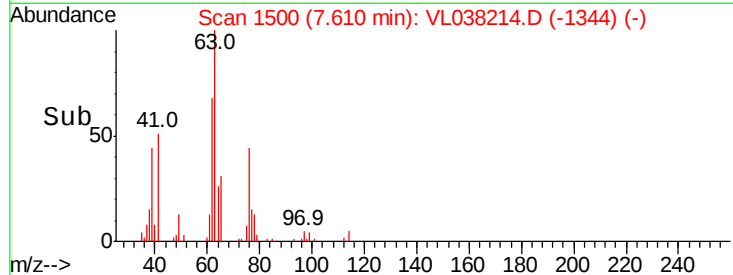
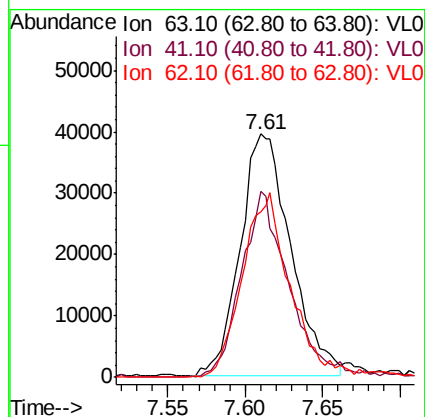
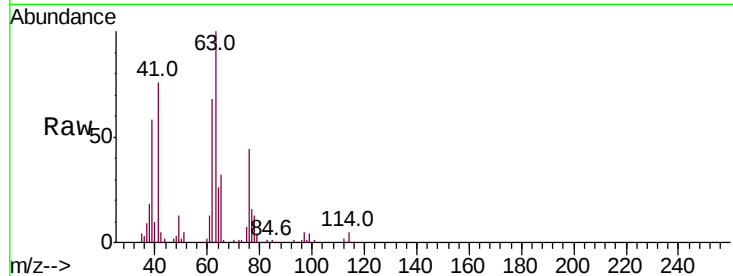


#39
 1,2-Dichloropropane
 Concen: 1.028 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 21 Dec 2021 14:39

Tot Ion:
 Ion Ratio
 63 100
 41 75.
 62 68.

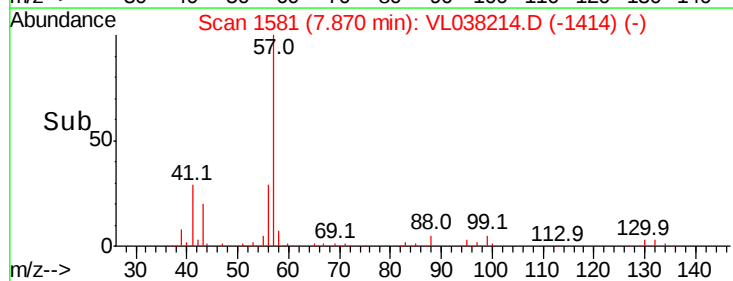
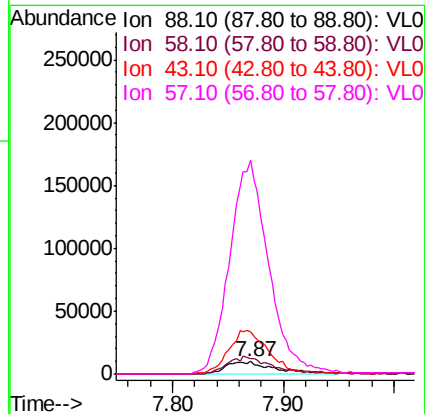
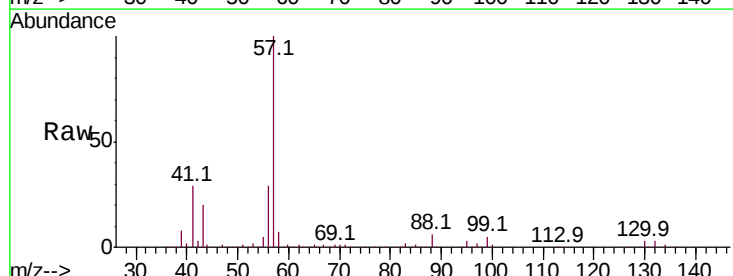
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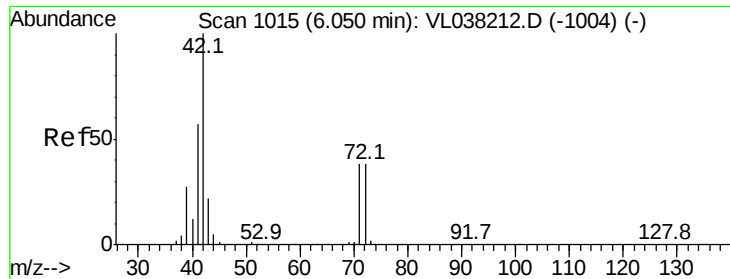
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#40
 1,4-Dioxane
 Concen: 1.290 ppbv m
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.04 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion: 88 Resp: 30521
 Ion Ratio Lower Upper
 88 100
 58 131.0 127.8 191.8
 43 296.6 301.0 451.6#
 57 0.0 1395.5 2093.3#





#41

Tetrahydrofuran

Concen: 0.887 ppbv

RT: 6.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC001

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

42 100

72 45.

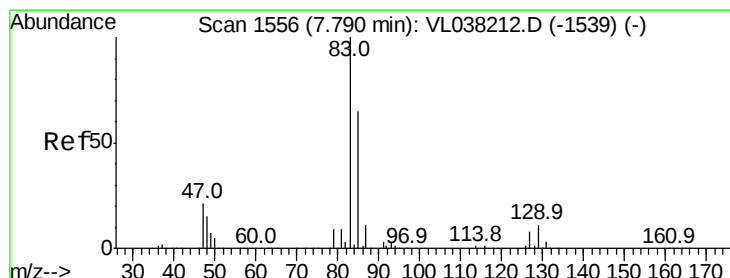
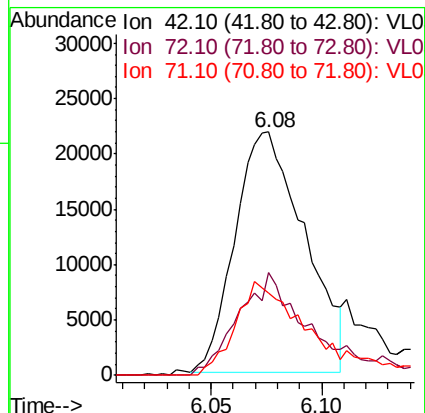
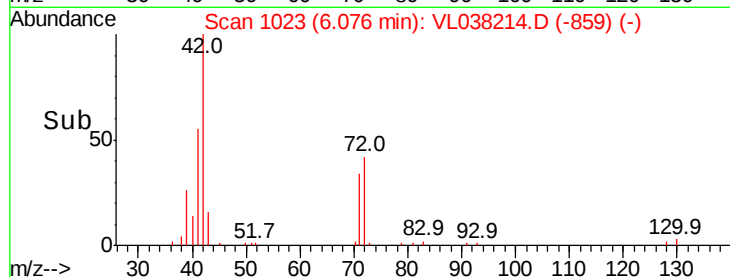
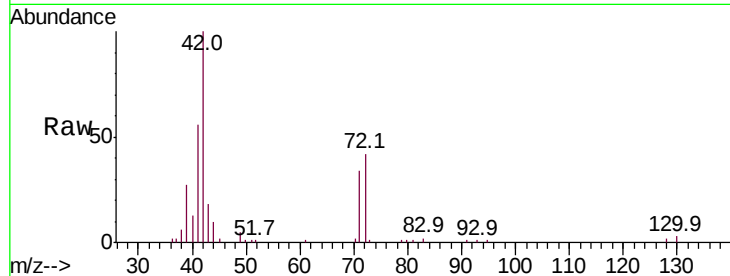
71 45.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#42

Bromodichloromethane

Concen: 0.969 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

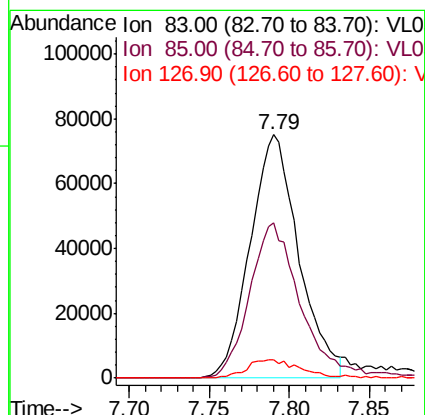
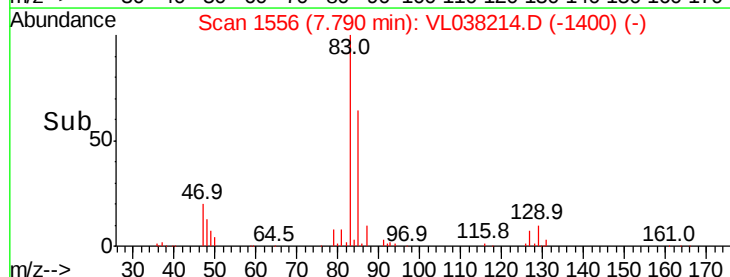
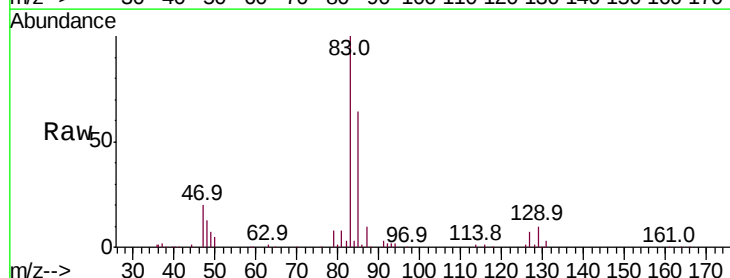
Tgt Ion: 83 Resp: 156842

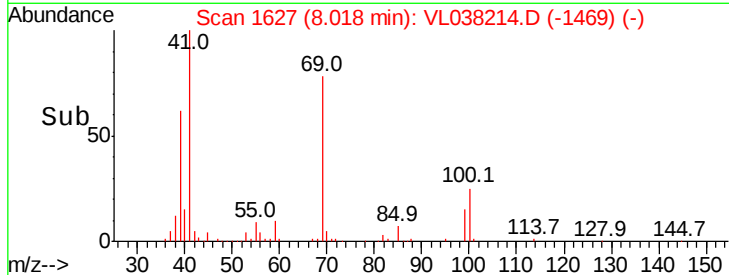
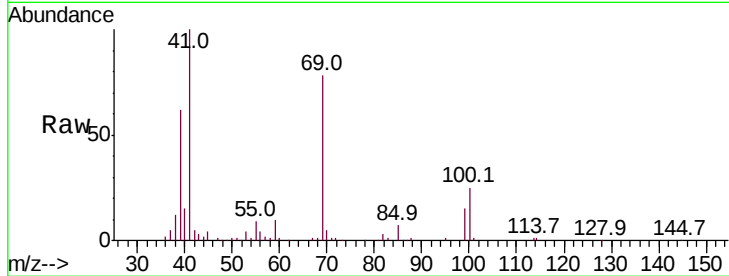
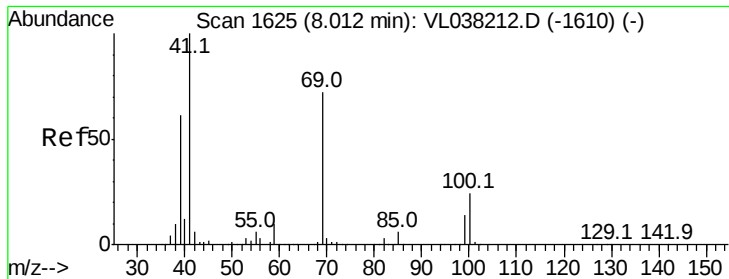
Ion Ratio Lower Upper

83 100

85 63.9 52.0 78.0

127 7.3 6.1 9.1





#43

Methyl Methacrylate

Concen: 0.990 ppbv

RT: 8.02

Instrument: MSVOA_1

Delta R.T.:

Client Sample Id: VSTDIC001

Lab File:

Acq: 21 Dec 2021 14:39

Tot Ion:

Ion Ratio

69 100

41 154.

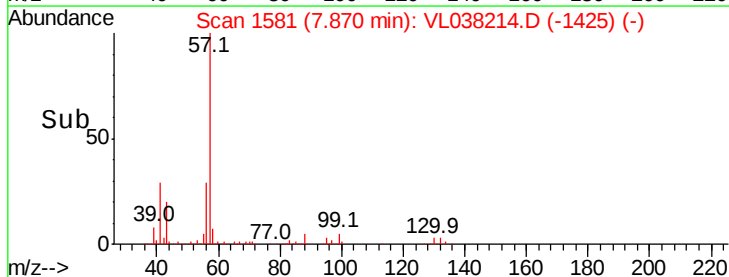
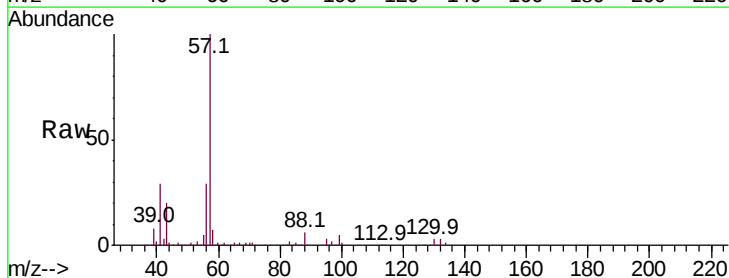
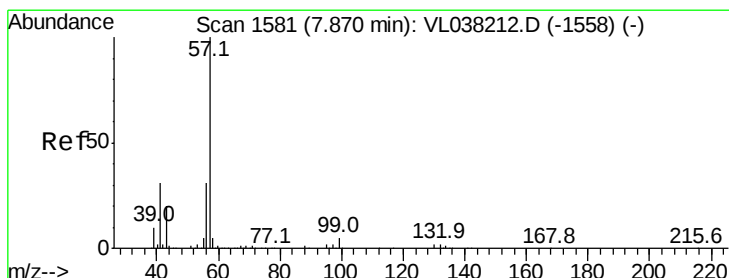
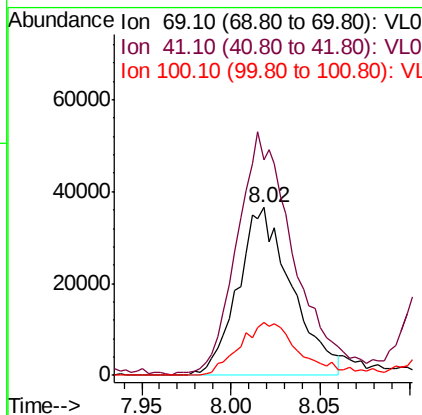
100 34.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#44

2,2,4-Trimethylpentane

Concen: 1.094 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

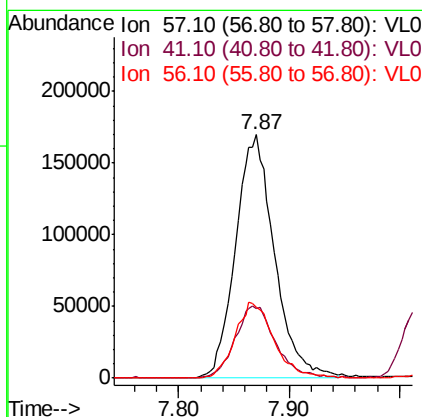
Tgt Ion: 57 Resp: 414834

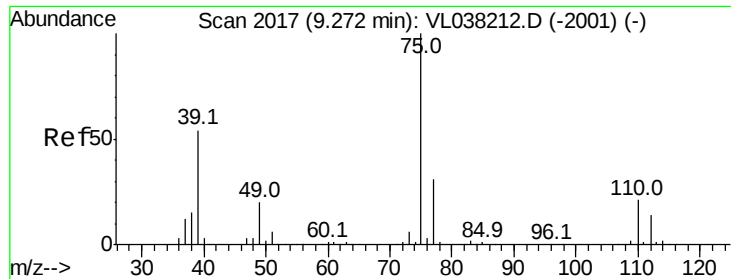
Ion Ratio Lower Upper

57 100

41 31.1 24.9 37.3

56 31.4 24.8 37.2





#45

t-1,3-Dichloropropene

Concen: 0.821 ppbv

RT: 9.28 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 21 Dec 2021 14:39 VSTDIC001

Tot Ion:

Ion Ratio

75 100

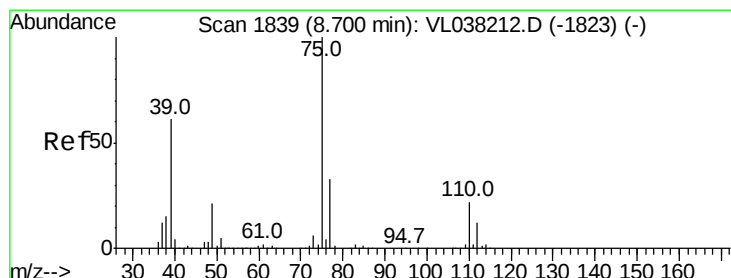
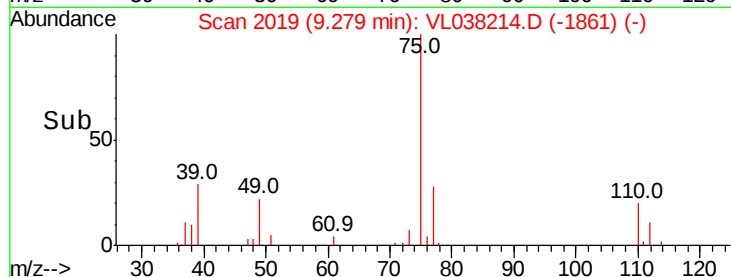
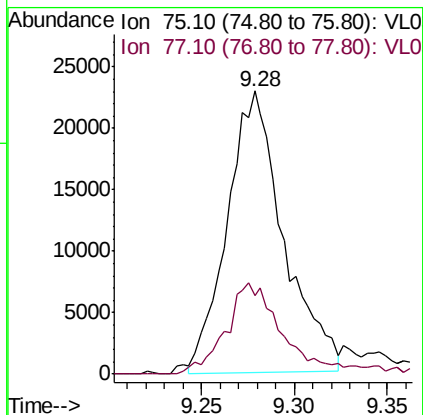
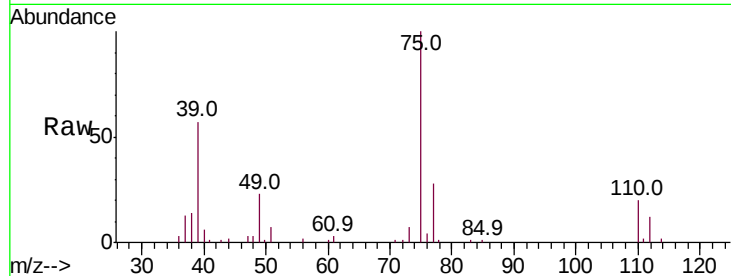
77 28.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#46

cis-1,3-Dichloropropene

Concen: 0.913 ppbv m

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

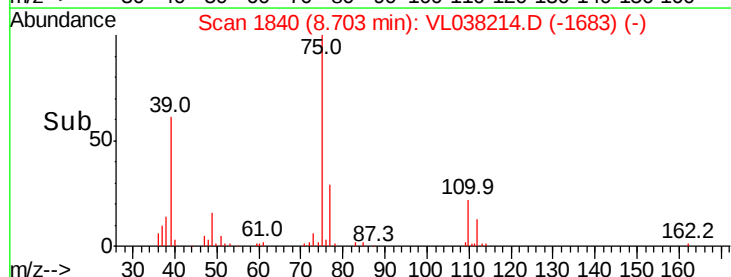
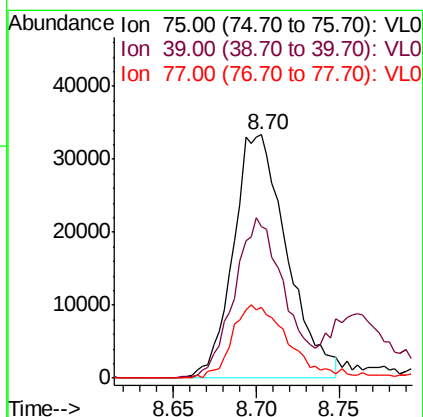
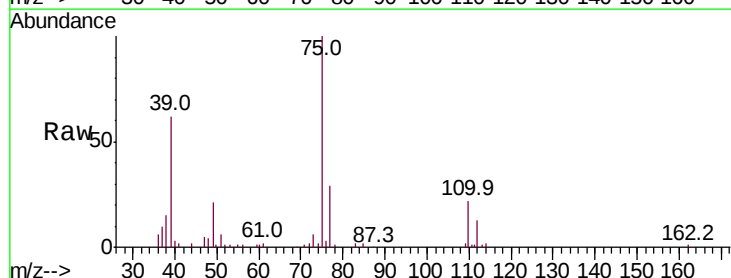
Tgt Ion: 75 Resp: 75001

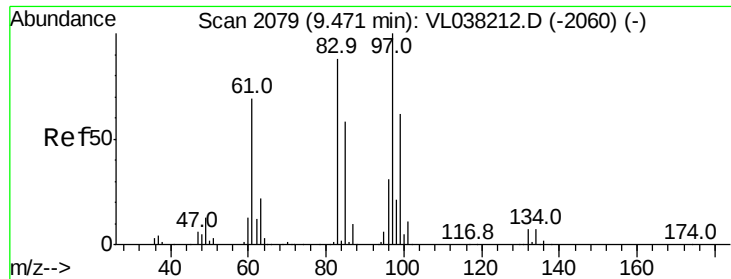
Ion Ratio Lower Upper

75 100

39 62.1 48.9 73.3

77 29.3 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 1.036 ppbv

RT: 9.47 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Dec 2021 14:39 VSTDIC001

Tot Ion:

Ion Ratio

97 100

83 89.

85 55.

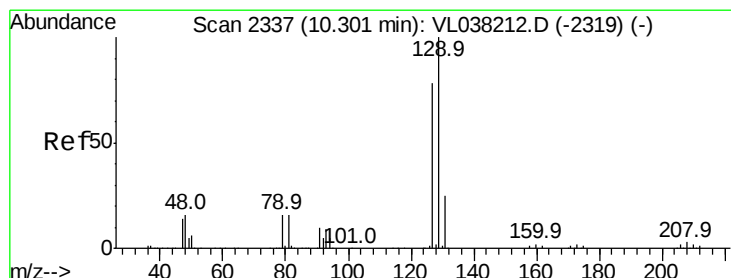
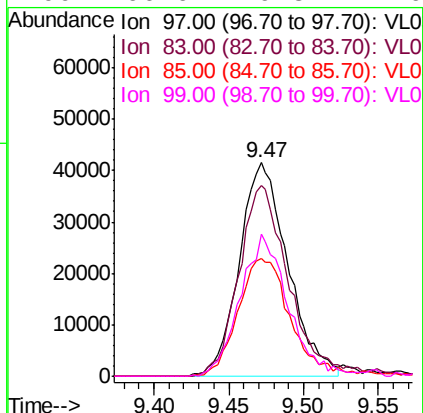
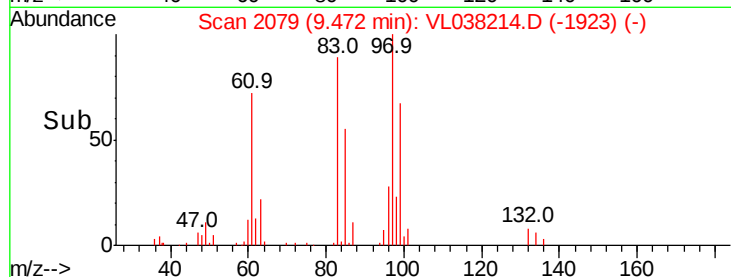
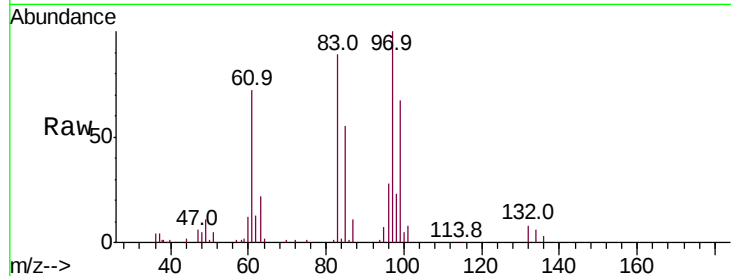
99 66.6 49.8 74.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#48

Dibromochloromethane

Concen: 0.927 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL038214.D

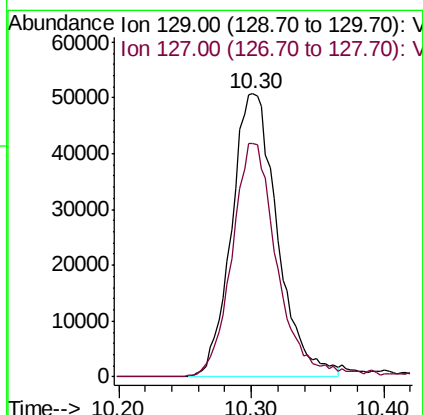
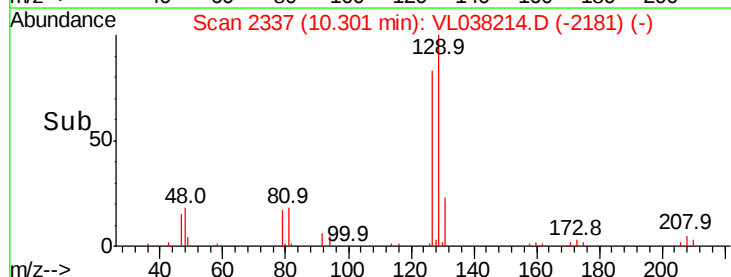
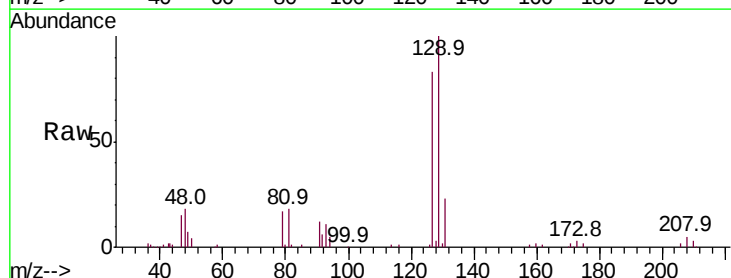
Acq: 21 Dec 2021 14:39

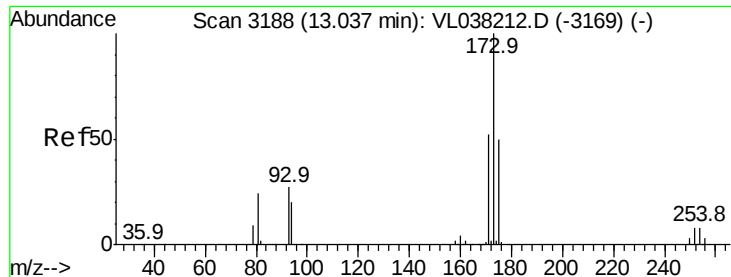
Tgt Ion:129 Resp: 121829

Ion Ratio Lower Upper

129 100

127 81.7 40.2 120.6





#49

Bromoform

Concen: 0.877 ppbv

RT: 13.04

Delta R.T.

Lab File:

Acq: 21 Dec 2021 14:39

Instrument:

MSVOA_L

ClientSampleId:

VSTDIC001

Manual Integrations

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Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021

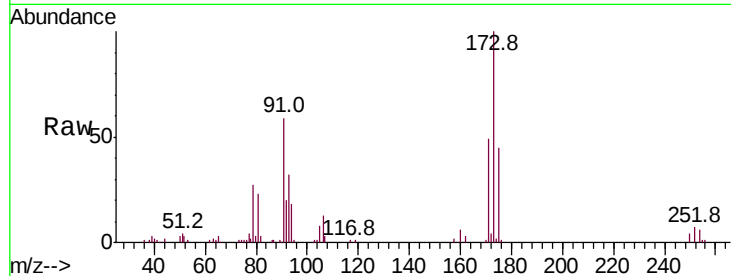
Tot Ion:1

Ion Ratio

173 100

175 50.

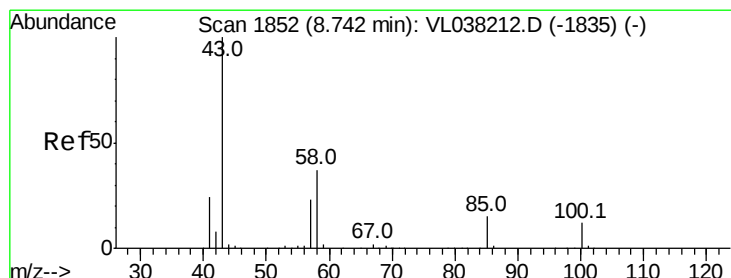
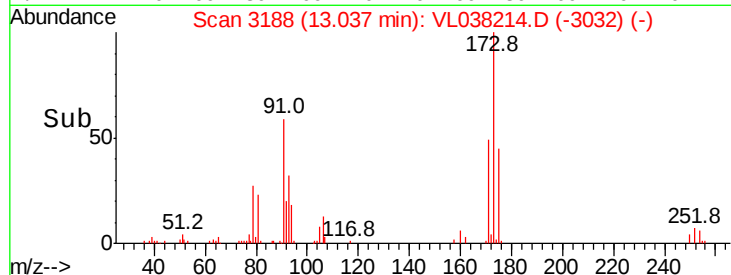
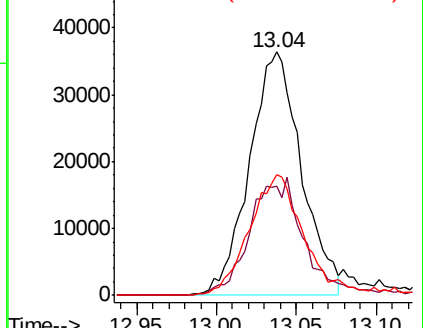
171 55.



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.903 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.02 min

Lab File: VL038214.D

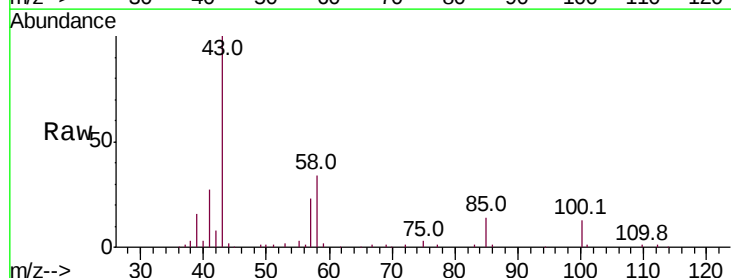
Acq: 21 Dec 2021 14:39

Tgt Ion: 43 Resp: 122575

Ion Ratio Lower Upper

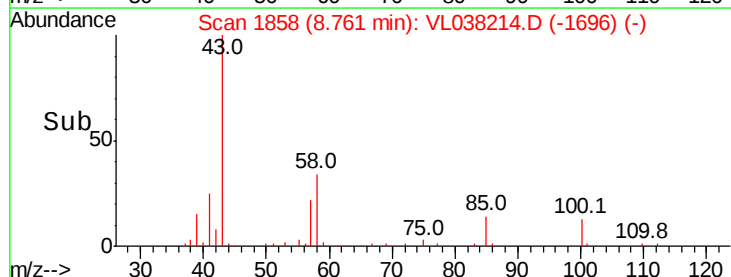
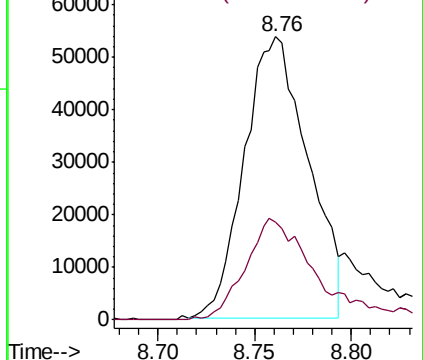
43 100

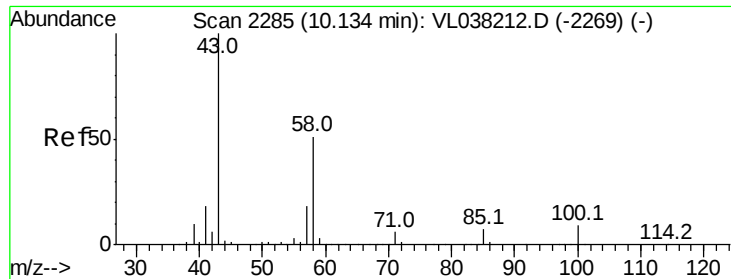
58 43.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



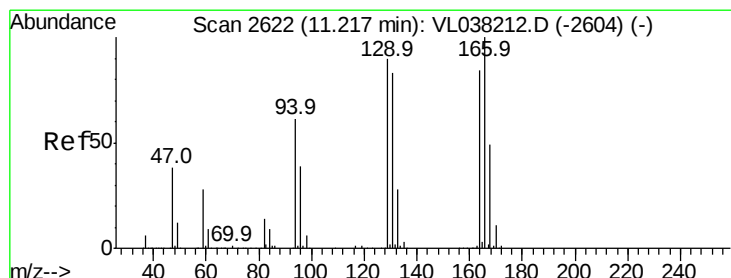
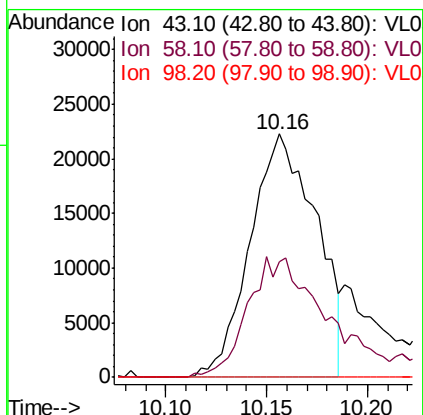
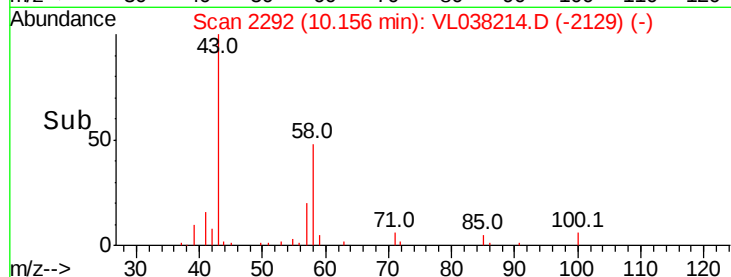
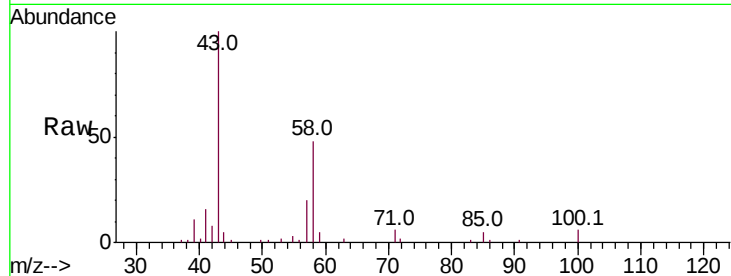


#51
2-Hexanone
Concen: 0.817 ppbv
RT: 10.16
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 21 Dec 2021 14:39

Tot Ion:
Ion Ratio
43 100
58 63.
98 0.

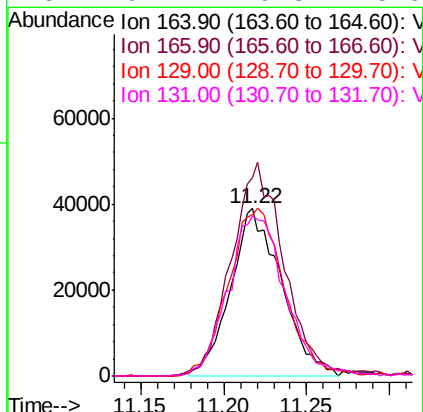
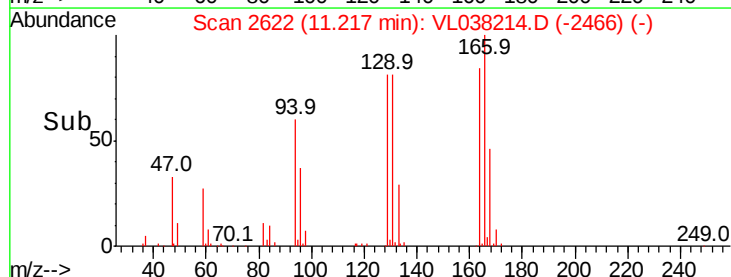
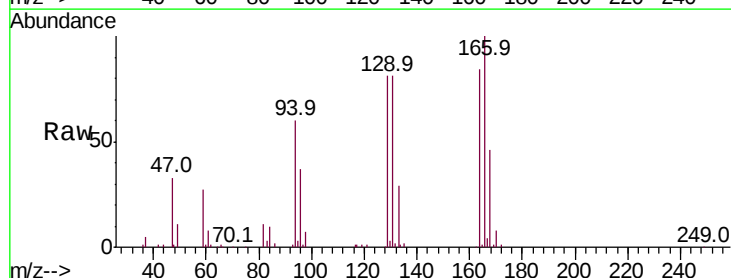
Manual Integrations
APPROVED

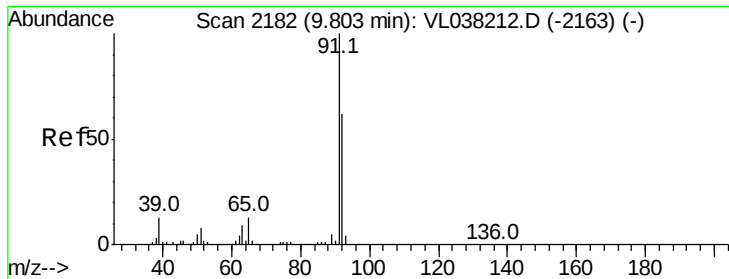
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#52
Tetrachloroethene
Concen: 0.979 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.00 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion:164 Resp: 82818
Ion Ratio Lower Upper
164 100
166 115.8 95.6 143.4
129 94.4 85.8 128.8
131 94.4 79.3 118.9



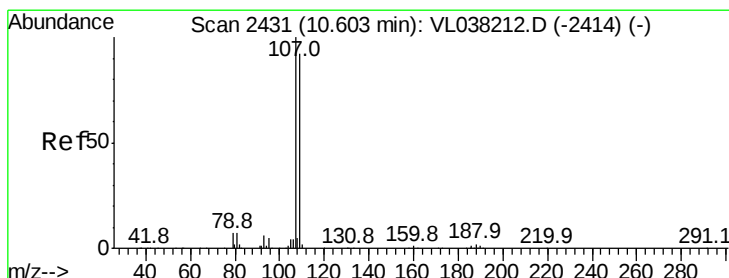
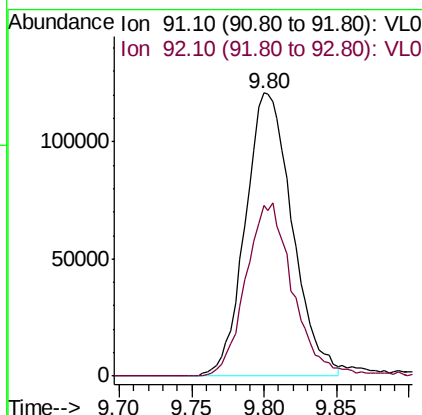
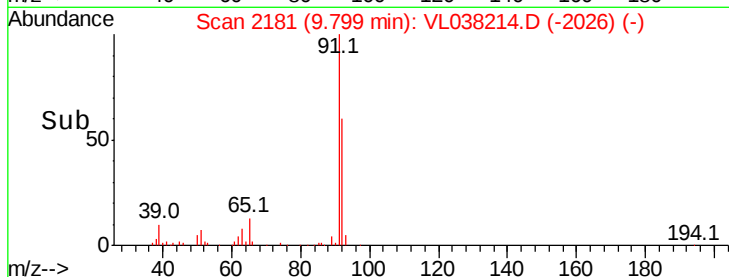
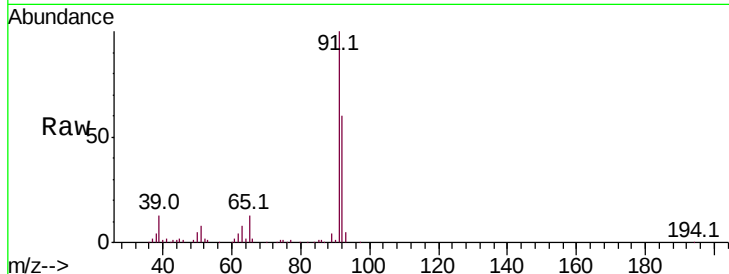


#53
Toluene
Concen: 1.047 ppbv
RT: 9.80
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 21 Dec 2021 14:39

Tot Ion:
Ion Ratio
91 100
92 62.

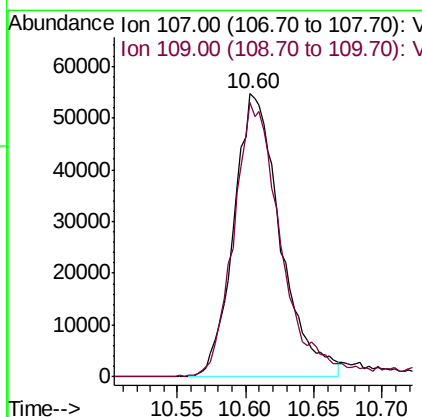
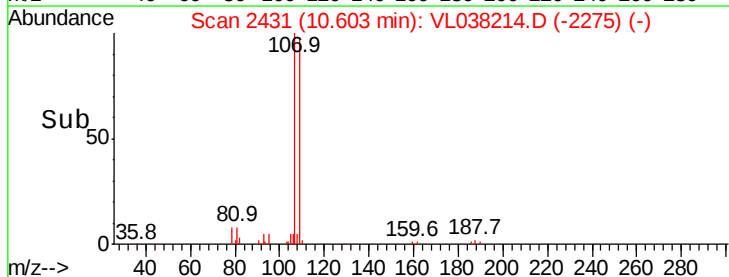
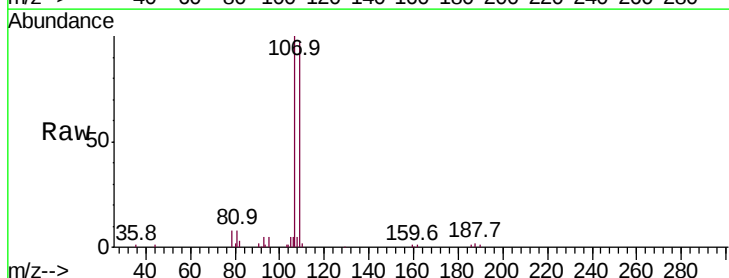
Manual Integrations
APPROVED

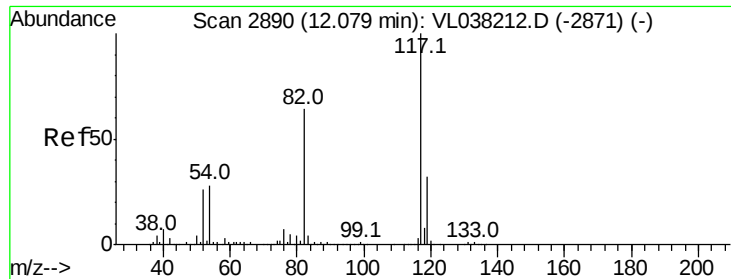
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#54
1,2-Dibromoethane
Concen: 1.019 ppbv
RT: 10.60 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion:107 Resp: 129895
Ion Ratio Lower Upper
107 100
109 96.5 73.3 109.9



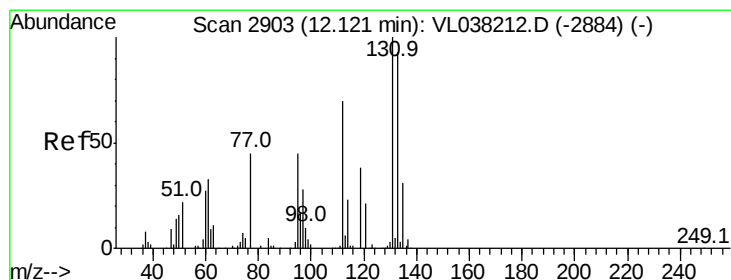
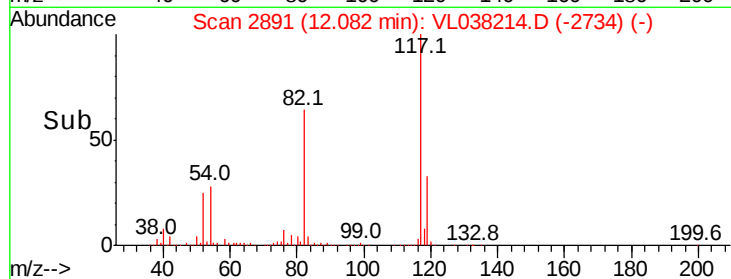
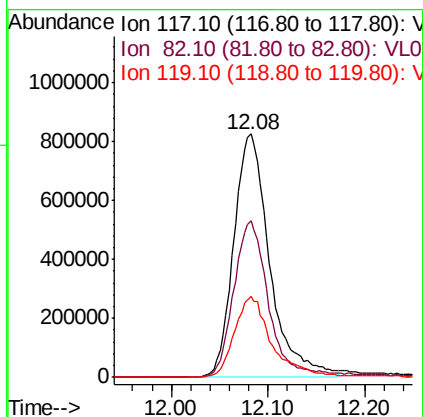
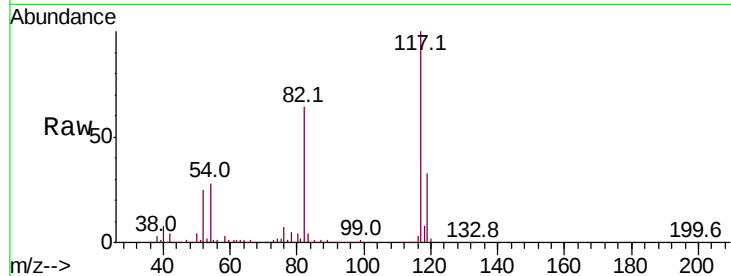


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC001
Acq: 21 Dec 2021 14:39

Tot Ion:1
Ion Rati
117 100
82 65.
119 35.

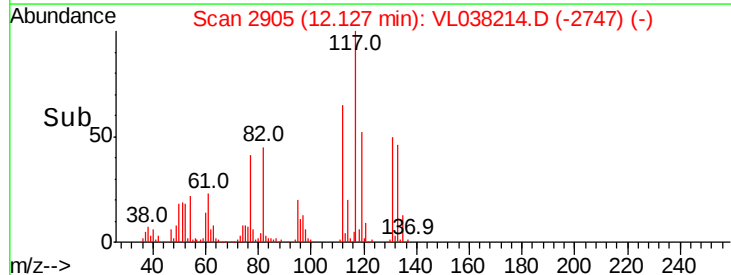
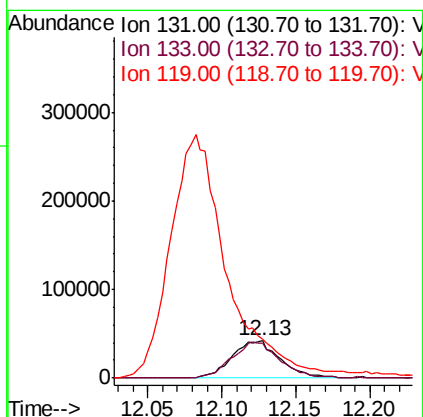
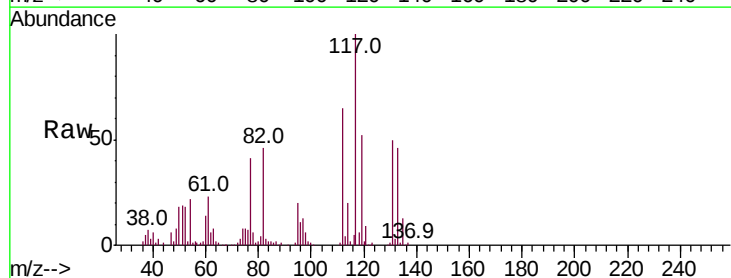
Manual Integrations
APPROVED

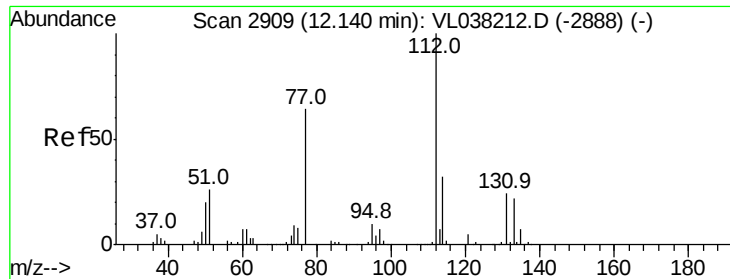
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 1.051 ppbv m
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion:131 Resp: 95876
Ion Ratio Lower Upper
131 100
133 0.0 77.6 116.4#
119 0.0 124.8 187.2#



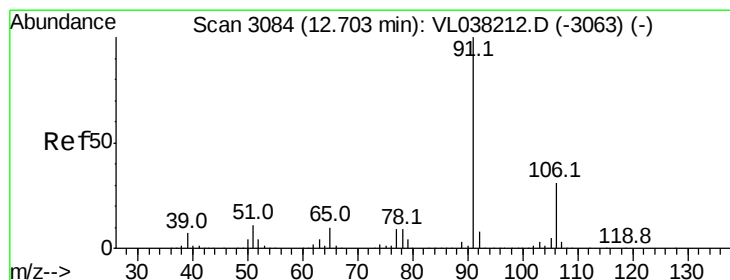
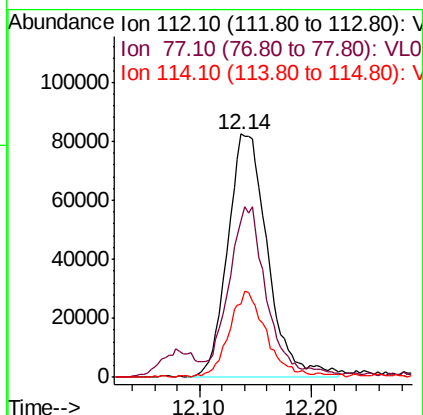
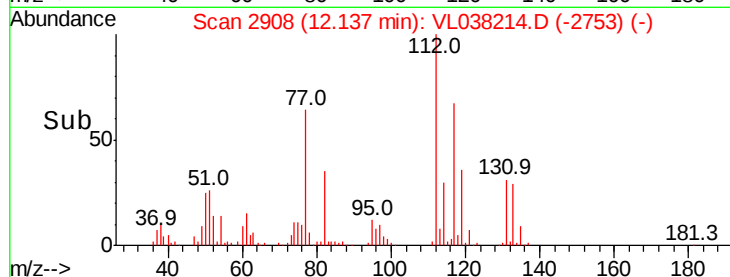
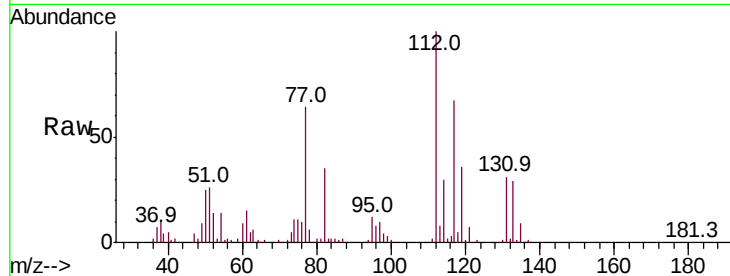


#57
Chlorobenzene
Concen: 1.110 ppbv m
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: VSTDIC001
Acq: 21 Dec 2021 14:39

Tot Ion: 1
Ion Ratio
112 100
77 64.1
114 30.0

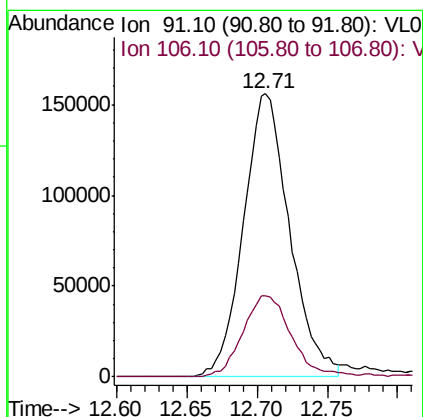
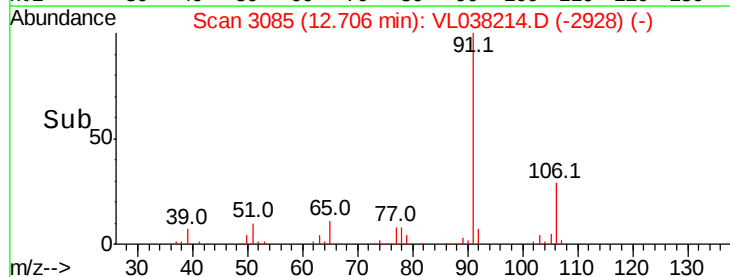
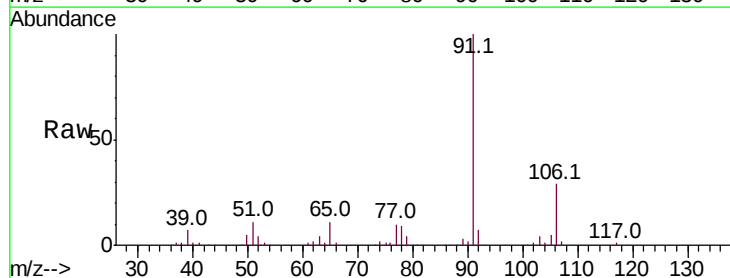
Manual Integrations
APPROVED

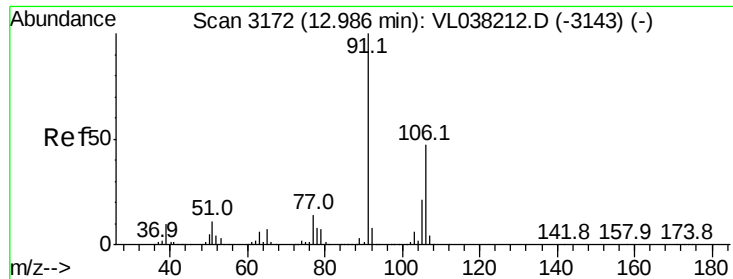
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#58
Ethyl Benzene
Concen: 1.061 ppbv
RT: 12.71 min Scan# 3085
Delta R.T.: 0.00 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion: 91 Resp: 357323
Ion Ratio Lower Upper
91 100
106 28.9 25.0 37.4



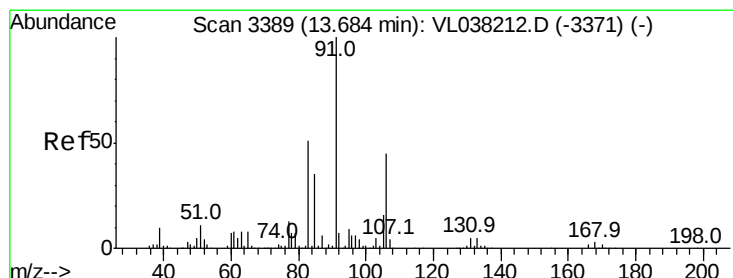
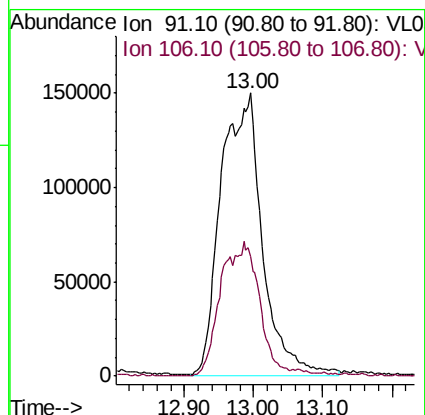
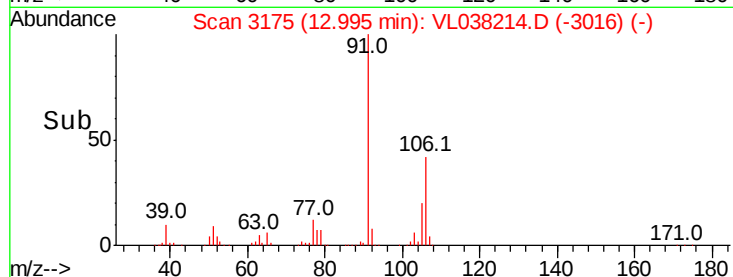
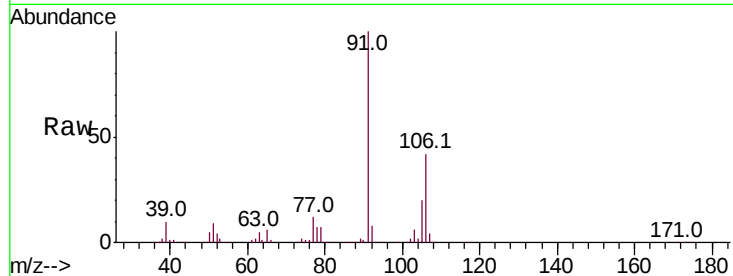


#59
m/p-Xylene
Concen: 2.205 ppbv m
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 21 Dec 2021 14:39

Tot Ion:
Ion Ratio
91 100
106 45.

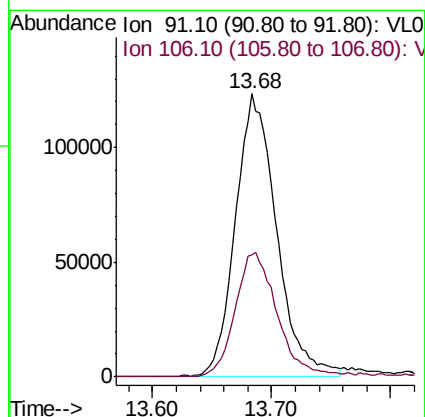
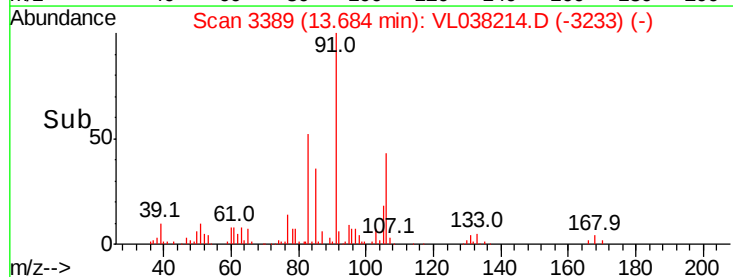
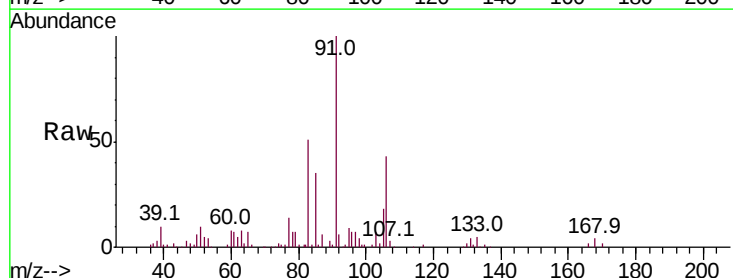
Manual Integrations
APPROVED

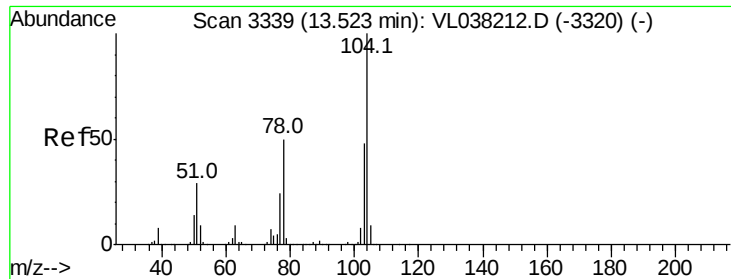
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#60
o-Xylene
Concen: 1.104 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion: 91 Resp: 293612
Ion Ratio Lower Upper
91 100
106 46.3 23.5 70.5





#61

Stvrene

Concen: 1.020 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Dec 2021 14:39

Tot Ion:1

Ion Rati

104 100

78 51.

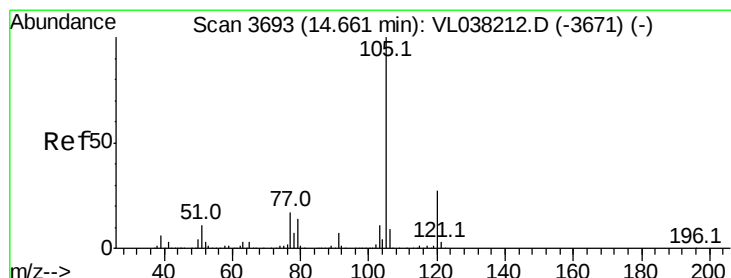
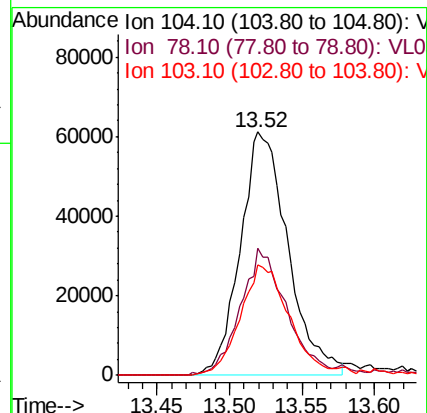
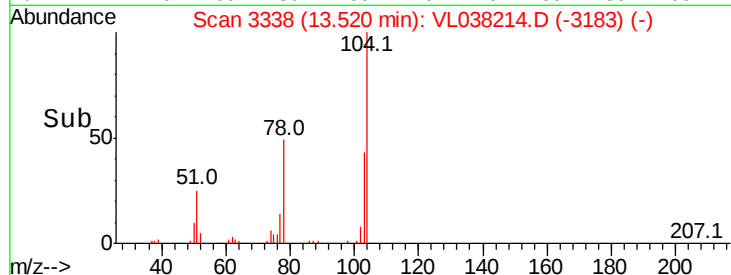
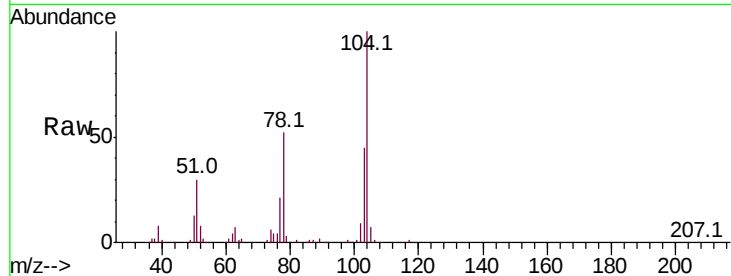
103 47.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#62

Isopropylbenzene

Concen: 1.083 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VL038214.D

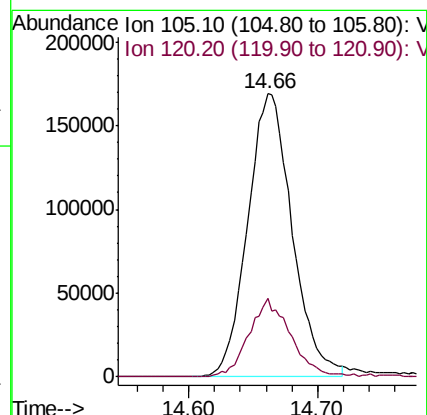
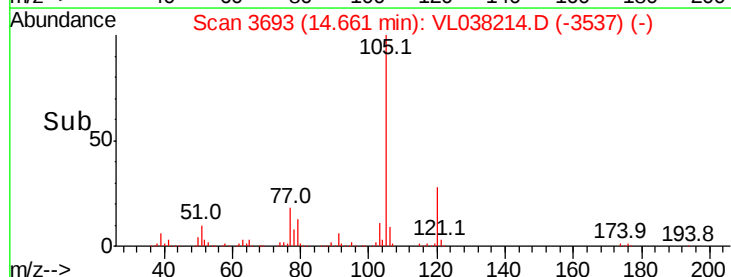
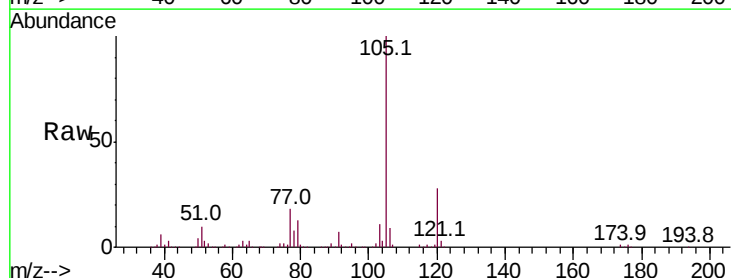
Acq: 21 Dec 2021 14:39

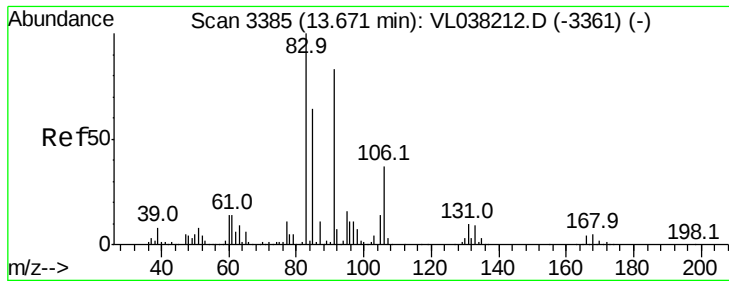
Tgt Ion:105 Resp: 406114

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6



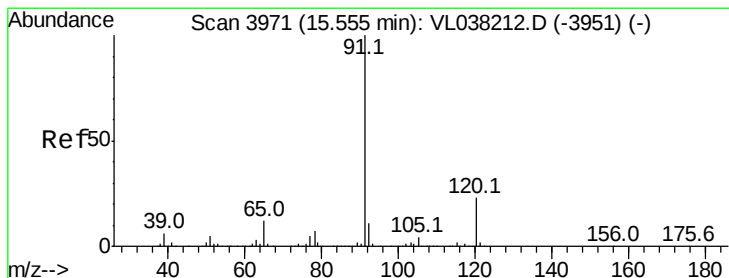
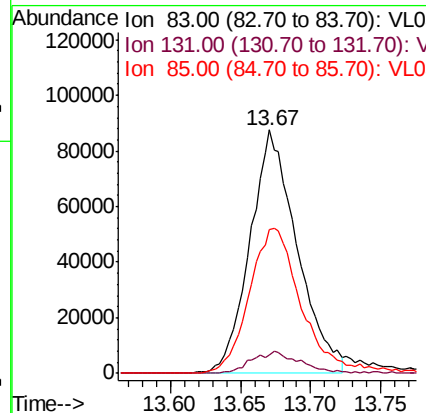
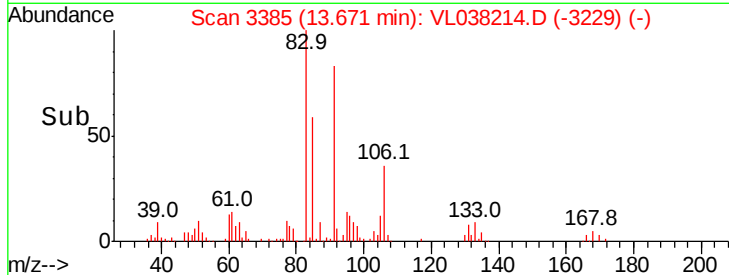
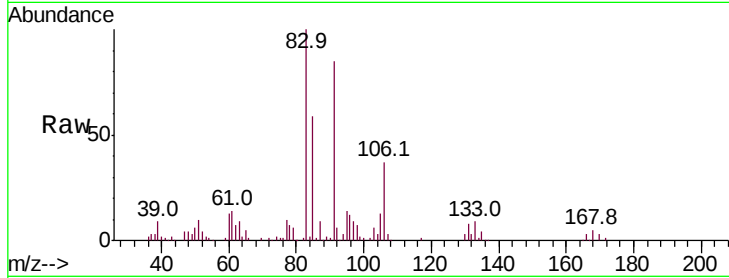


#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.030 ppbv
 RT: 13.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDIC001
 Acq: 21 Dec 2021 14:39

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

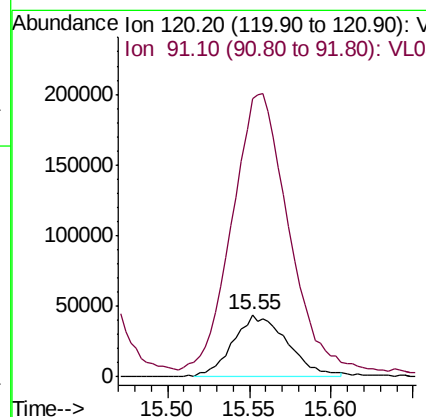
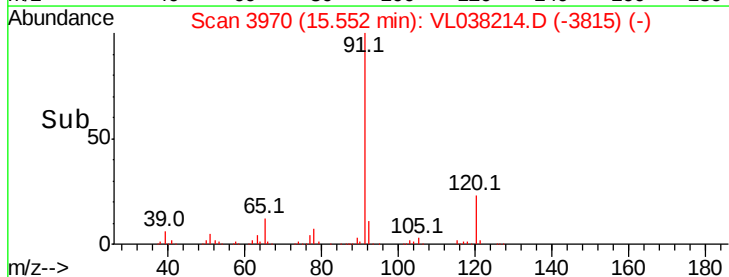
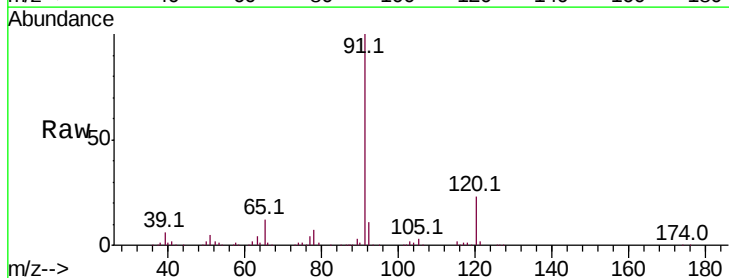
Manual Integrations
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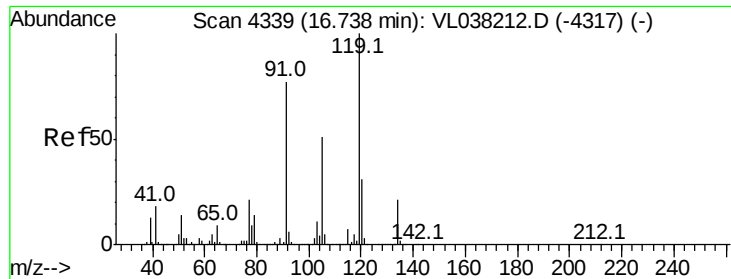
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#64
 n-propylbenzene
 Concen: 1.064 ppbv m
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.00 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion:120 Resp: 101374
 Ion Ratio Lower Upper
 120 100
 91 494.9 381.5 572.3





#65

tert-Butylbenzene

Concen: 1.121 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 21 Dec 2021 14:39

Tot Ion:1

Ion Rati

119 100

91 80.

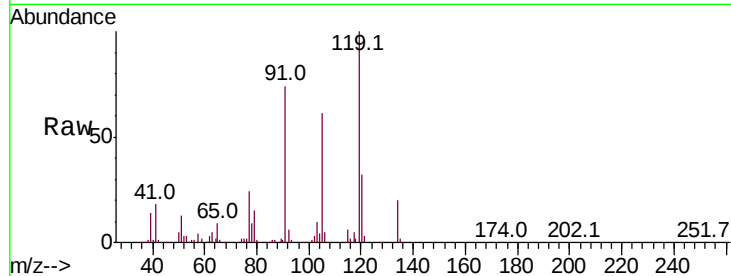
134 19.

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

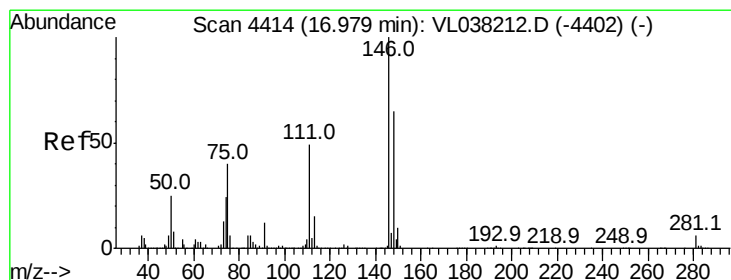
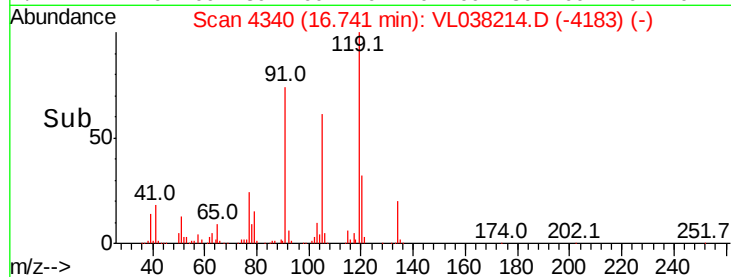
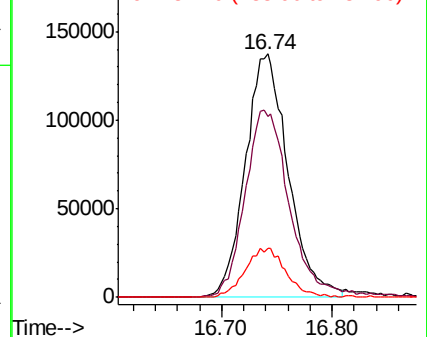
Supervised By :Mahesh Dadoda 12/29/2021



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.775 ppbv m

RT: 16.98 min Scan# 4415

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

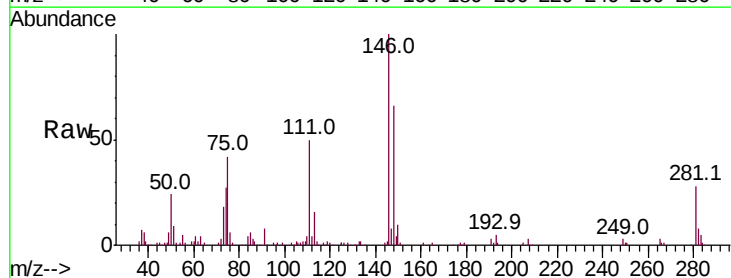
Tgt Ion: 91 Resp: 10578

Ion Ratio Lower Upper

91 100

126 1.0 16.0 24.0#

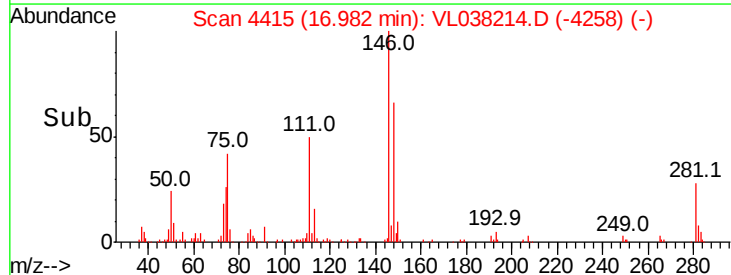
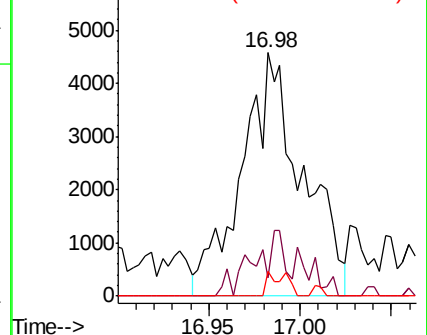
128 6.8 5.0 7.6

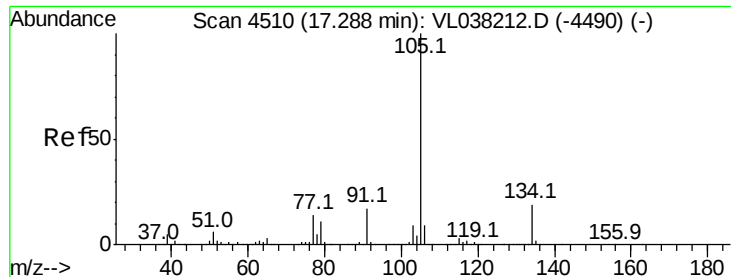


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



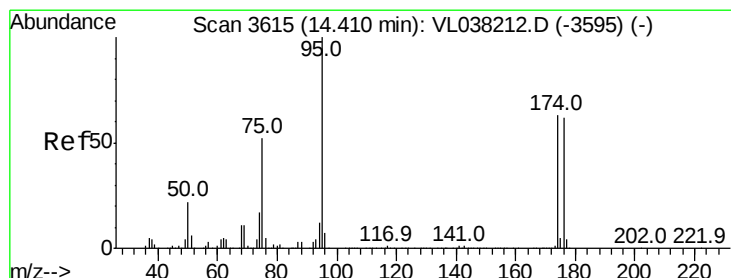
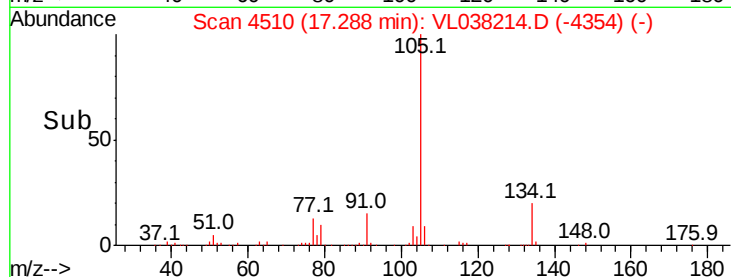
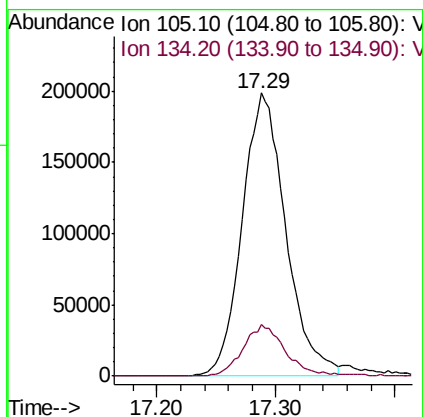
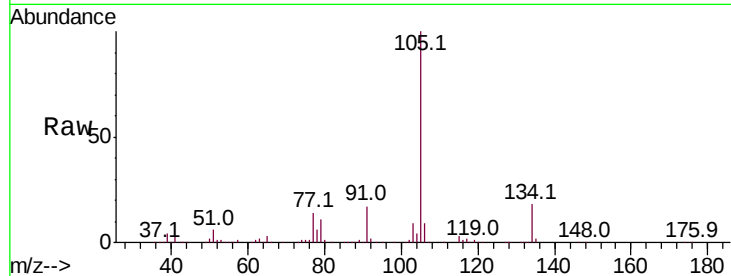


#67
 sec-Butylbenzene
 Concen: 1.095 ppbv
 RT: 17.29 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Dec 2021 14:39

Tot Ion: 1
 Ion Ratio
 105 100
 134 18.

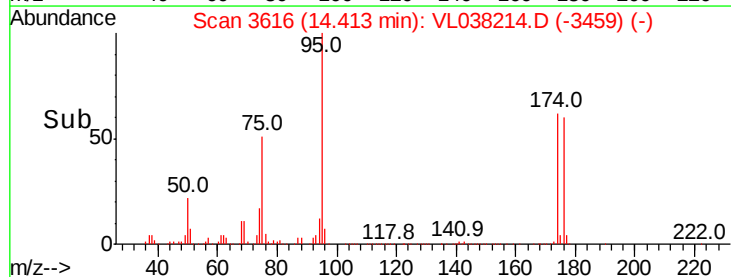
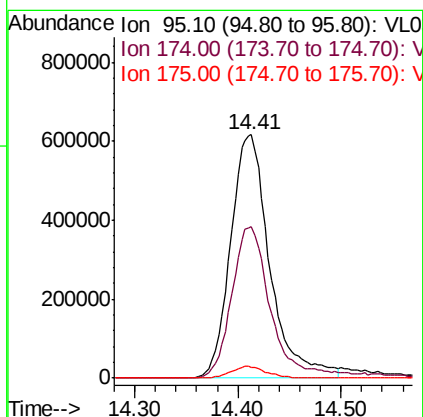
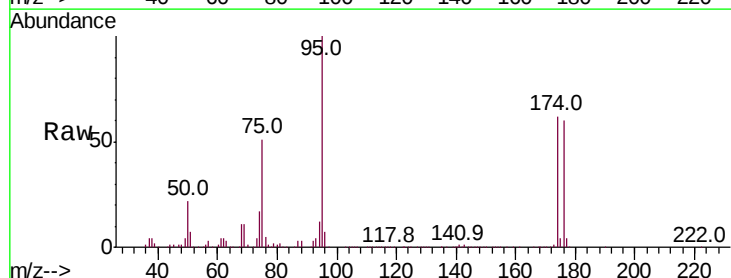
Manual Integrations
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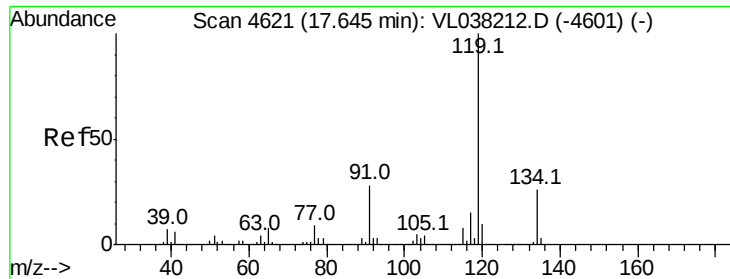
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.435 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T.: 0.00 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion: 95 Resp: 1633588
 Ion Ratio Lower Upper
 95 100
 174 64.7 54.6 81.8
 175 4.7 4.1 6.1



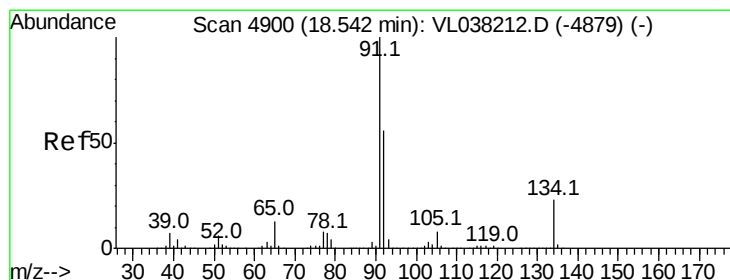
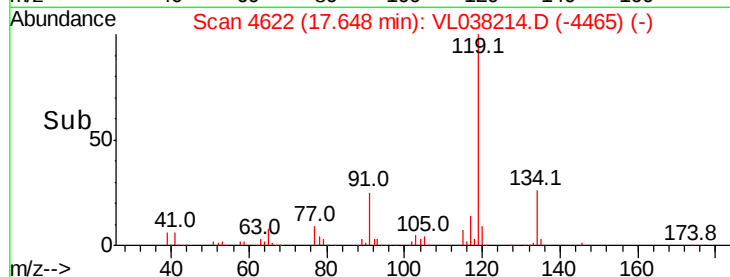
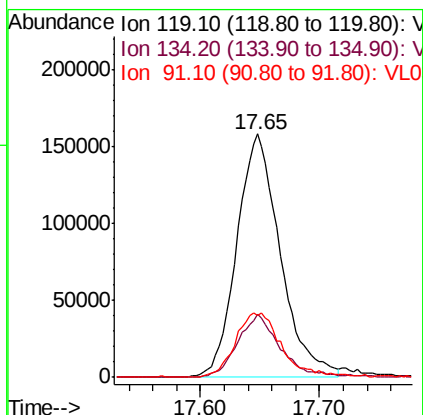
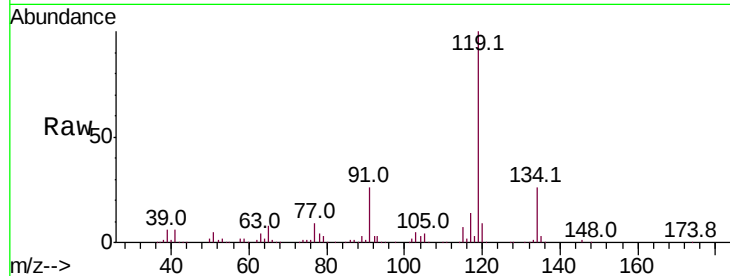


#69
 p-Isopropyltoluene
 Concen: 1.101 ppbv
 RT: 17.65 min
 Delta R.T.: 0.00 min
 Lab File: VSTDIC001
 Acq: 21 Dec 2021 14:39

Tot Ion: 1
 Ion Ratio
 119 100
 134 25
 91 29

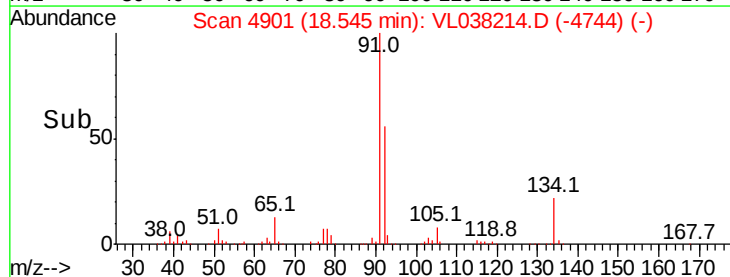
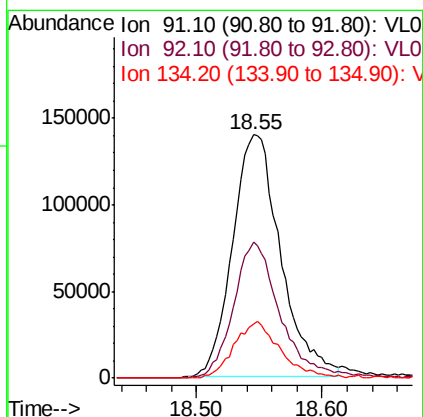
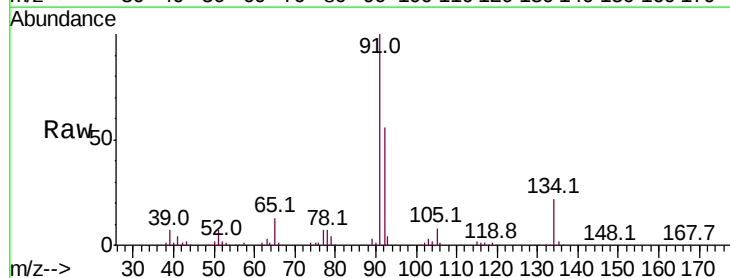
Manual Integrations
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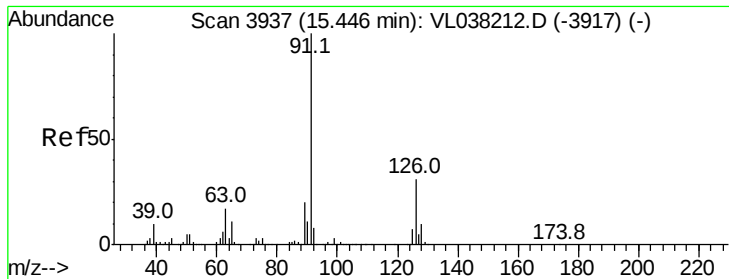
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#70
 n-Butylbenzene
 Concen: 1.088 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T.: 0.00 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion: 91 Resp: 372800
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.0 66.0
 134 22.6 18.5 27.7





#71

2-Chlorotoluene

Concen: 1.092 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampled:

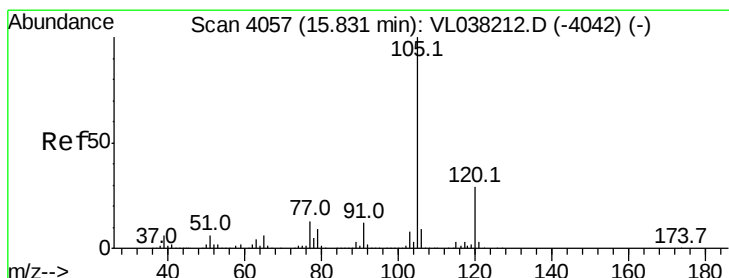
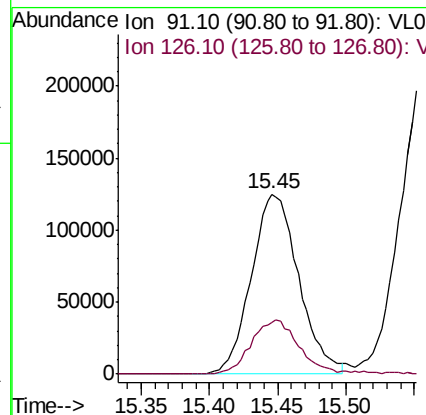
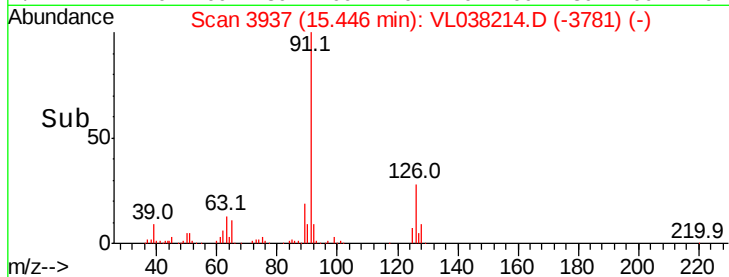
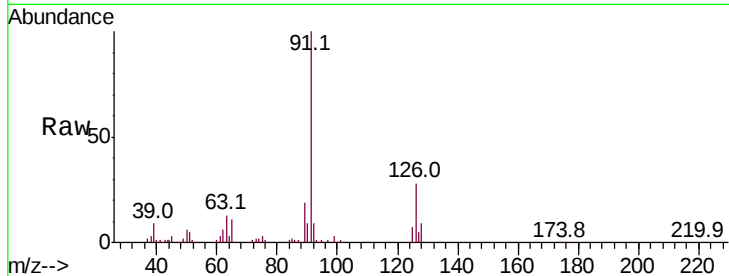
Acq: 21 Dec 2021 14:39

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021



#72

4-Ethyltoluene

Concen: 1.090 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

Tgt Ion:105 Resp: 334777

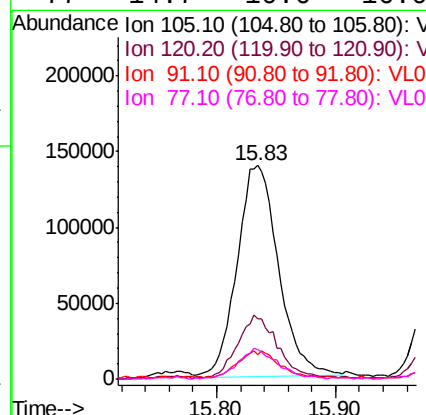
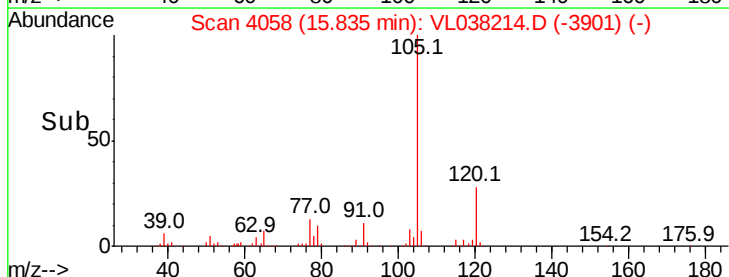
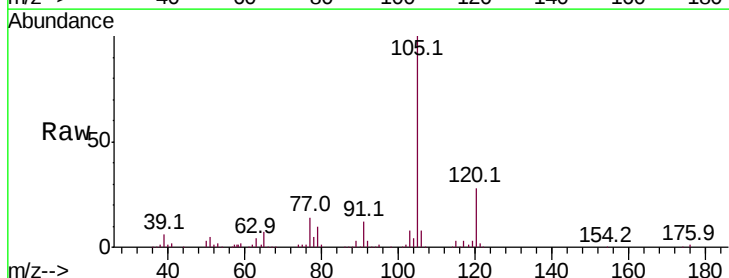
Ion Ratio Lower Upper

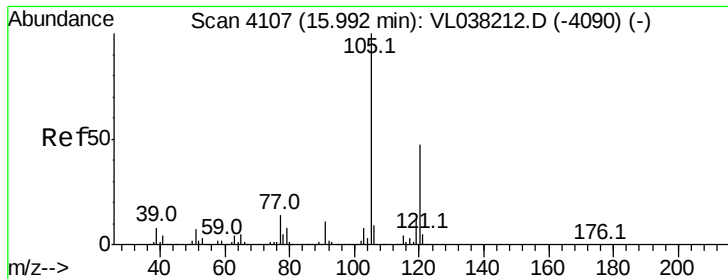
105 100

120 30.5 24.3 36.5

91 13.9 9.8 14.6

77 14.7 10.6 16.0



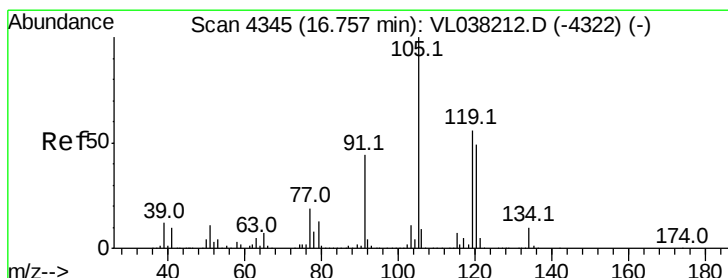
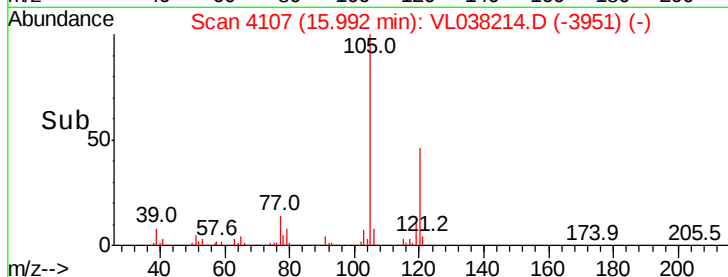
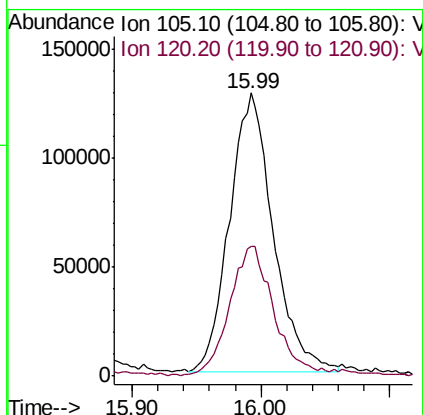
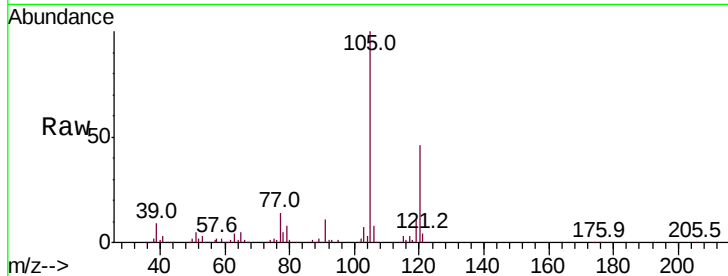


#73
 1,3,5-Trimethylbenzene
 Concen: 1.072 ppbv
 RT: 15.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Dec 2021 14:39

Tot Ion:1
 Ion Rati
 105 100
 120 45.

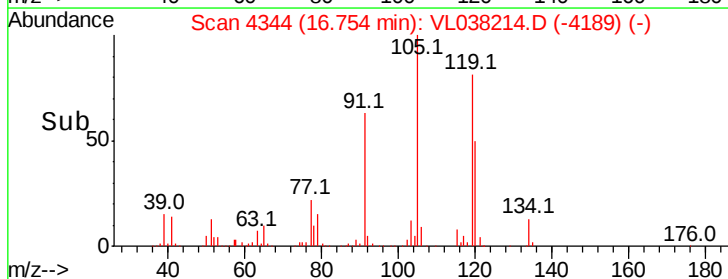
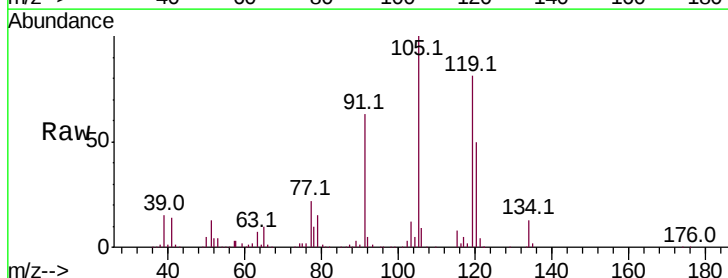
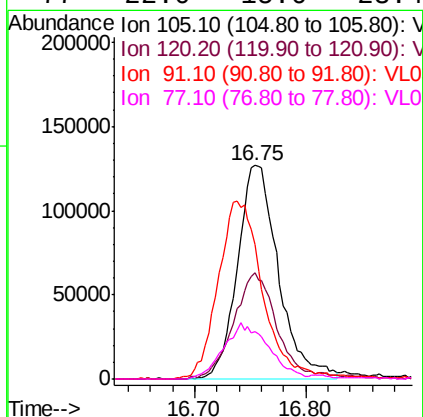
Manual Integrations
 APPROVED

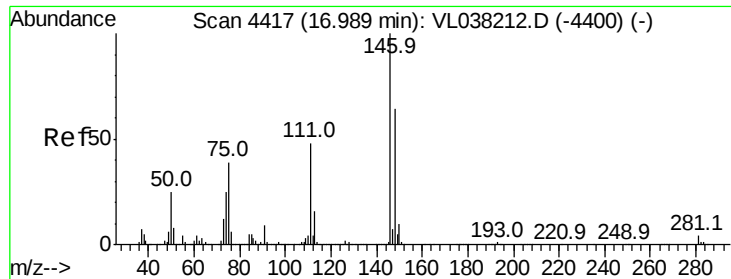
Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 1.129 ppbv m
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL038214.D
 Acq: 21 Dec 2021 14:39

Tgt Ion:105 Resp: 326682
 Ion Ratio Lower Upper
 105 100
 120 49.5 39.4 59.2
 91 62.7 35.0 52.4#
 77 22.0 15.6 23.4





#75

1,3-Dichlorobenzene

Concen: 1.088 ppbv

RT: 16.99

Delta R.T. MSVOA_L

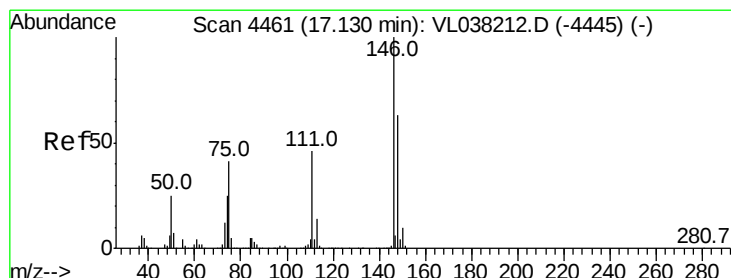
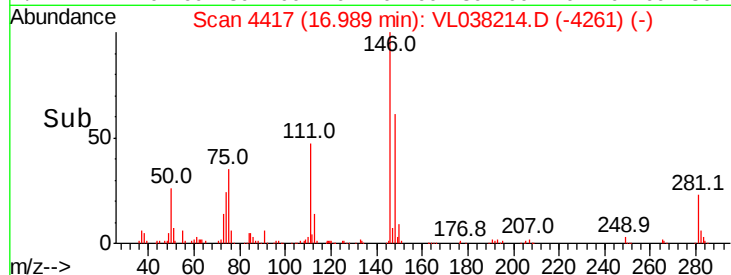
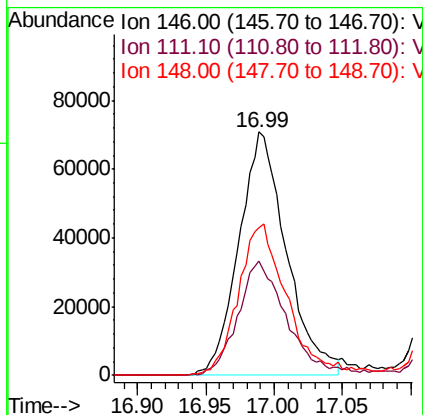
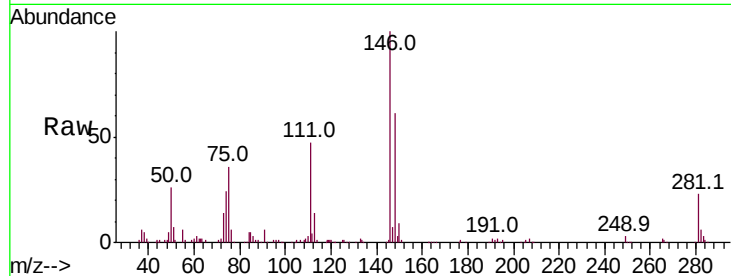
Lab File: ClientSampleId :

Acq: 21 Dec 2021 14:39 VSTDIC001

Tot Ion:1
Ion Rati
146 100
111 49.
148 64.

Manual Integrations
APPROVED

Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#76

1,4-Dichlorobenzene

Concen: 1.016 ppbv

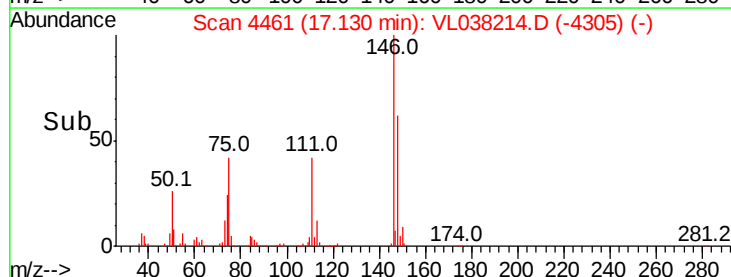
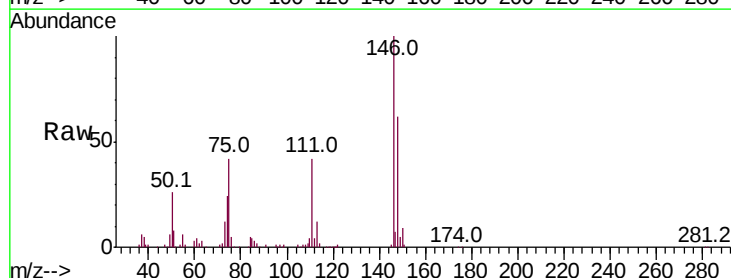
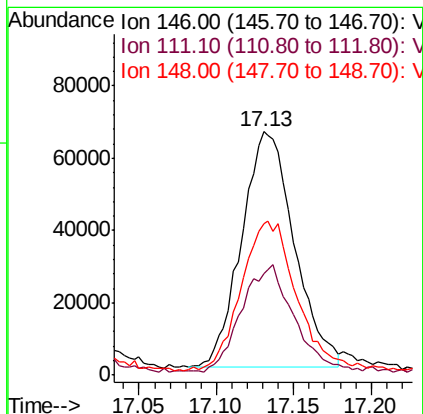
RT: 17.13 min Scan# 4461

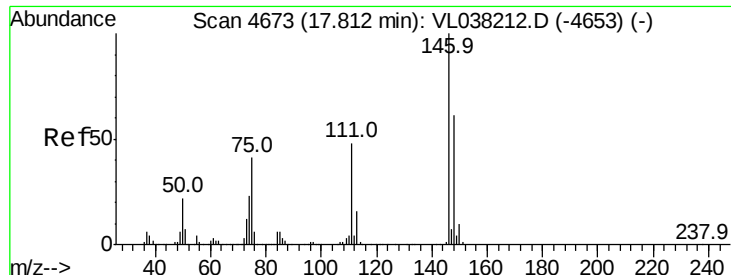
Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

Tgt Ion:146 Resp: 154940
Ion Ratio Lower Upper
146 100
111 50.2 23.6 71.0
148 75.0 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 1.053 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File:

Acq: 21 Dec 2021 14:39

ClientSampleId:

VSTDIC001

Manual Integrations

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Reviewed By :Amit Patel 12/22/2021

Supervised By :Mahesh Dadoda 12/29/2021

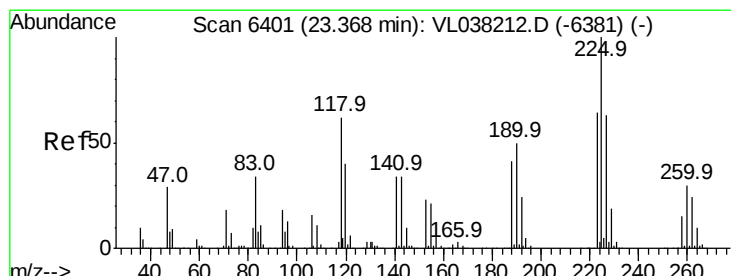
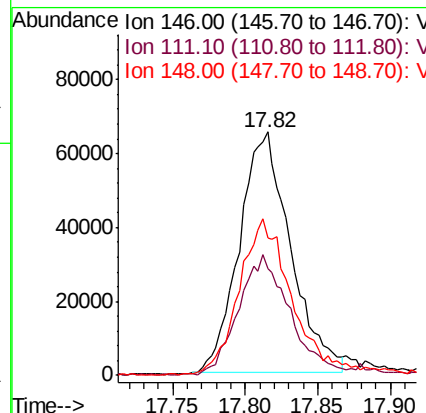
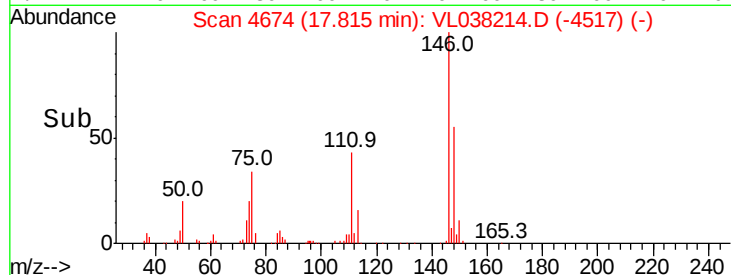
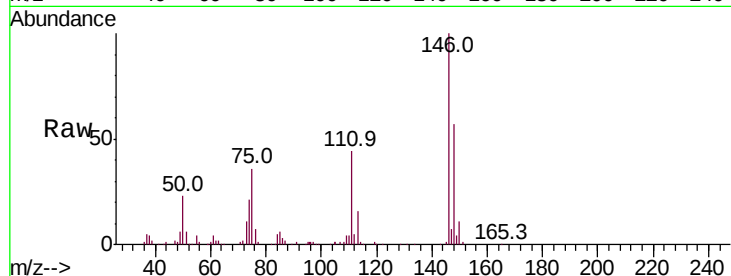
Tot Ion:1

Ion Rati

146 100

111 53.

148 69.



#78

Hexachloro-1,3-Butadiene

Concen: 1.145 ppbv m

RT: 23.37 min Scan# 6401

Delta R.T. 0.00 min

Lab File: VL038214.D

Acq: 21 Dec 2021 14:39

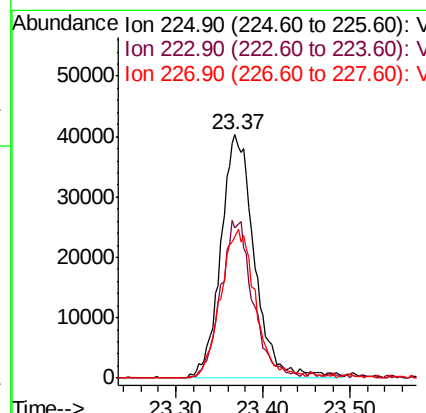
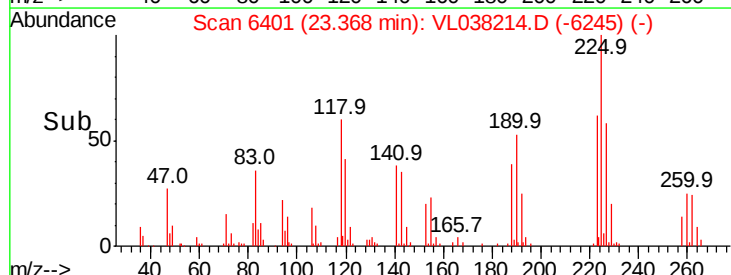
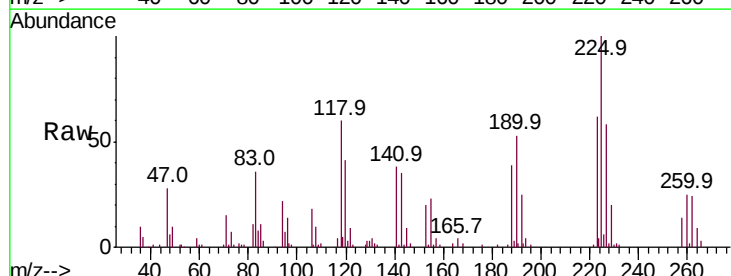
Tgt Ion:225 Resp: 108243

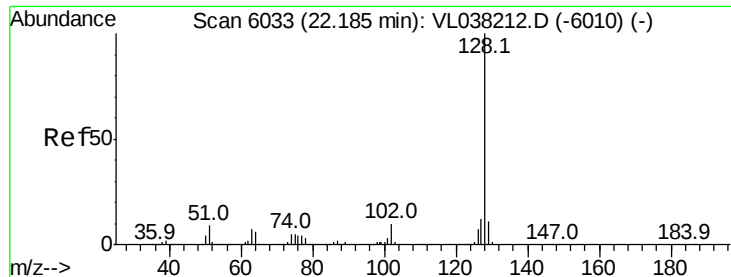
Ion Ratio Lower Upper

225 100

223 0.0 51.5 77.3#

227 0.0 51.9 77.9#



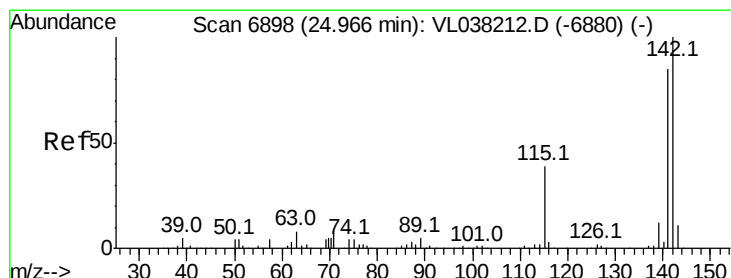
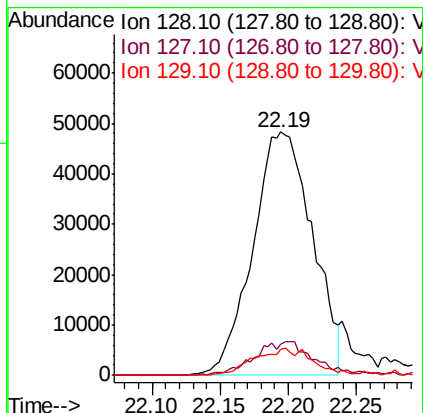
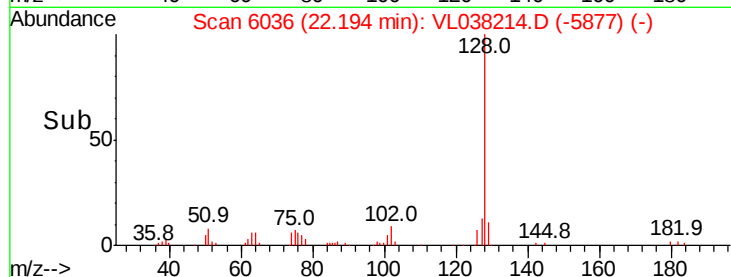
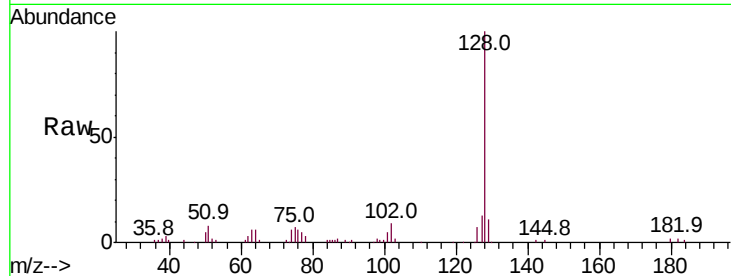


#79
Naphthalene
Concen: 0.967 ppbv
RT: 22.19 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC001
Acq: 21 Dec 2021 14:39

Tot Ion:1
Ion Rati
128 100
127 13.
129 10.

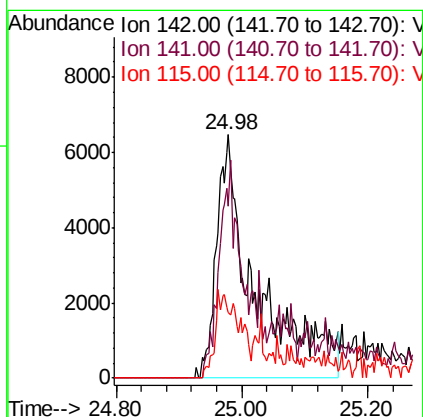
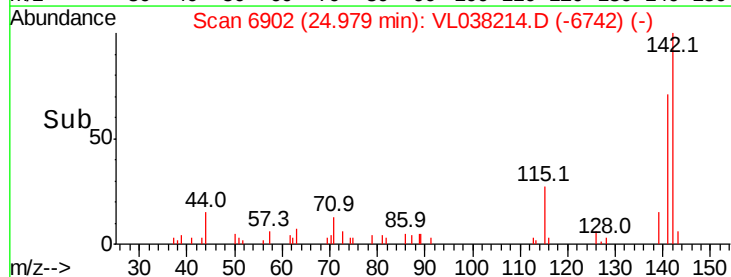
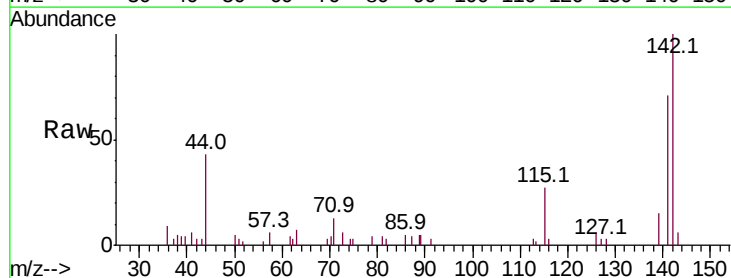
Manual Integrations
APPROVED

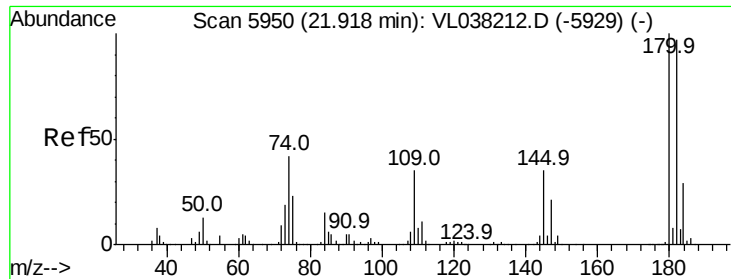
Reviewed By :Amit Patel 12/22/2021
Supervised By :Mahesh Dadoda 12/29/2021



#80
Naphthalene, 2-methyl-
Concen: 0.885 ppbv m
RT: 24.98 min Scan# 6902
Delta R.T. 0.01 min
Lab File: VL038214.D
Acq: 21 Dec 2021 14:39

Tgt Ion:142 Resp: 27795
Ion Ratio Lower Upper
142 100
141 54.8 66.7 100.1#
115 28.4 29.4 44.0#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.067 ppbv m
 RT: 21.92
 Instrument : MSVOA_L
 Delta R.T
 Lab File: ClientSampleId :
 VSTDIC001
 Acq: 21 Dec 2021 14:39

Tot Ion:1
 Ion Rati
 180 100
 182 95.
 184 30.

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/22/2021
 Supervised By :Mahesh Dadoda 12/29/2021

