

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038049.D
 Acq On : 18 Nov 2021 10:41
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: Nov 18 11:31:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu Nov 18 10:39:10 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	931017	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2732058	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2415069	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1752626	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	113937	0.602	ppbv	97
3) Chlorodifluoromethane	2.99	51	106086	0.438	ppbv	99
4) Chloromethane	3.15	50	34585	0.402	ppbv	99
5) Vinyl Chloride	3.26	62	31921	0.386	ppbv	96
6) Bromomethane	3.48	94	19211m	0.435	ppbv	
7) Chloroethane	3.56	64	12723m	0.438	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	80636	0.411	ppbv	95
9) Propene	3.01	41	41111m	0.450	ppbv	
10) Heptane	8.12	43	97580m	0.434	ppbv	
11) Trichlorofluoromethane	3.95	101	78998m	0.422	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	55573m	0.383	ppbv	
13) Ethanol	3.63	45	4143m	0.512	ppbv	
14) Bromoethene	3.74	108	24807m	0.409	ppbv	
15) Acetone	3.87	43	43360m	0.396	ppbv	
16) 1,3-Butadiene	3.33	39	33351m	0.411	ppbv	
17) tert-Butyl alcohol	4.32	59	53060m	0.361	ppbv	
18) 1,1-Dichloroethene	4.29	96	25089	0.375	ppbv	84
19) Isopropyl Alcohol	4.00	45	35463m	0.442	ppbv	
20) Methylene Chloride	4.35	84	27317m	0.425	ppbv	
21) Allyl Chloride	4.41	41	39541m	0.361	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	24844m	0.368	ppbv	
23) Vinyl Acetate	5.09	43	56674m	0.313	ppbv	
24) 1,1-Dichloroethane	5.01	63	52482m	0.371	ppbv	
25) Ethyl Acetate	5.69	43	147469m	0.573	ppbv	
26) Hexane	5.69	57	70918m	0.548	ppbv	
27) Carbon Disulfide	4.55	76	56704m	0.334	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	57100	0.344	ppbv	98
29) Chloroform	5.75	83	101271m	0.520	ppbv	
30) Cyclohexane	7.13	84	64617m	0.444	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	64086m	0.598	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	98892	0.400	ppbv	99
34) 2-Butanone	5.27	43	60405m	0.670	ppbv	
35) Carbon Tetrachloride	7.01	117	96269	0.510	ppbv	98
36) Benzene	6.89	78	148372m	0.571	ppbv	
37) 1,2-Dichloroethane	6.30	62	67528	0.560	ppbv	99
38) Trichloroethene	7.83	130	55144m	0.522	ppbv	
39) 1,2-Dichloropropane	7.62	63	57649	0.574	ppbv	93
40) 1,4-Dioxane	7.88	88	15903m	0.614	ppbv	
41) Tetrahydrofuran	6.08	42	38243m	0.591	ppbv	
42) Bromodichloromethane	7.79	83	101637	0.535	ppbv	95
43) Methyl Methacrylate	8.02	69	45499	0.491	ppbv	93

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Manual Integrations
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 Supervised By :Mahesh Dadoda 11/29/2021

Quant Time: Nov 18 11:31:36 2021
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	248673	0.557	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	32819m	0.427	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	48547m	0.484	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	59325m	0.581	ppbv	
48) Dibromochloromethane	10.30	129	80417m	0.485	ppbv	
49) Bromoform	13.04	173	52895	0.413	ppbv	96
50) 4-Methyl-2-Pentanone	8.77	43	86290m	0.531	ppbv	
51) 2-Hexanone	10.16	43	39263m	0.517	ppbv	
52) Tetrachloroethene	11.22	164	52113m	0.531	ppbv	
53) Toluene	9.80	91	169171	0.557	ppbv	98
54) 1,2-Dibromoethane	10.61	107	79237m	0.554	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	57616	0.546	ppbv #	1
57) Chlorobenzene	12.14	112	121770m	0.615	ppbv	
58) Ethyl Benzene	12.70	91	225114m	0.614	ppbv	
59) m/p-Xylene	12.99	91	379545m	1.245	ppbv	
60) o-Xylene	13.68	91	177511	0.627	ppbv	97
61) Styrene	13.52	104	83835m	0.531	ppbv	
62) Isopropylbenzene	14.66	105	250766	0.613	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	123858m	0.586	ppbv	
64) n-propylbenzene	15.55	120	64338m	0.617	ppbv	
65) tert-Butylbenzene	16.74	119	229282	0.639	ppbv	99
66) Benzyl Chloride	16.98	91	9530m	0.380	ppbv	
67) sec-Butylbenzene	17.29	105	319077m	0.643	ppbv	
69) p-Isopropyltoluene	17.65	119	234291	0.586	ppbv	96
70) n-Butylbenzene	18.55	91	220007	0.600	ppbv	99
71) 2-Chlorotoluene	15.45	91	186194	0.636	ppbv	98
72) 4-Ethyltoluene	15.83	105	194259	0.576	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	189352m	0.614	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	189202	0.609	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	102449m	0.598	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	103529m	0.589	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	104838m	0.638	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	68993m	0.647	ppbv	
79) Naphthalene	22.20	128	83509m	0.490	ppbv	
80) Naphthalene,2-methyl-	24.98	142	13958m	0.434	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	52936m	0.549	ppbv	

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

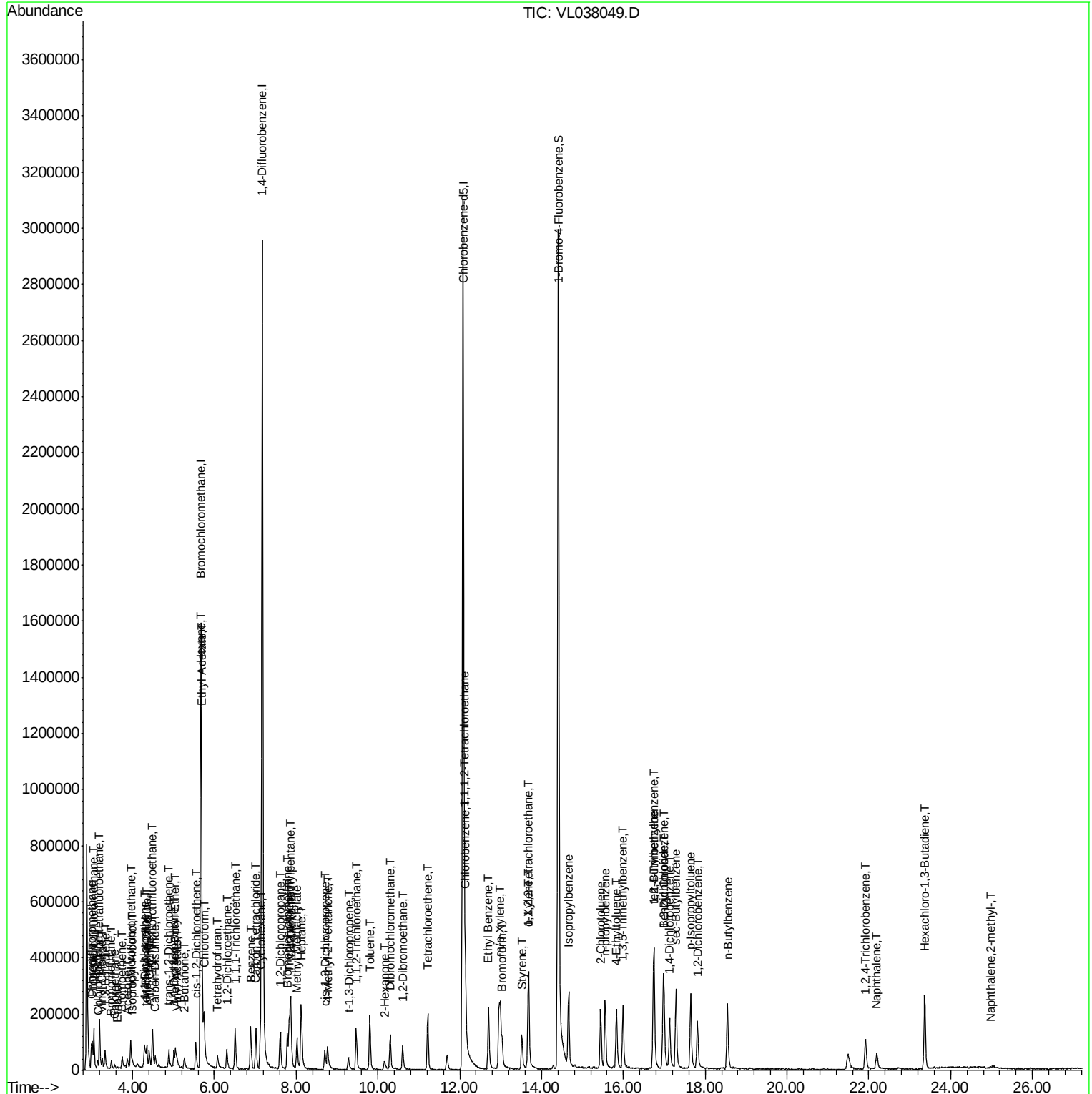
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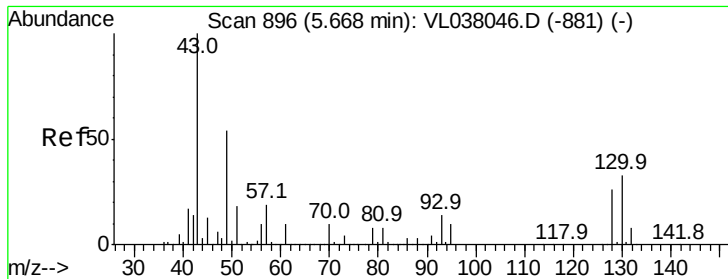
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
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Supervised By :Mahesh Dadoda 11/29/2021





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

49 100

128 51.

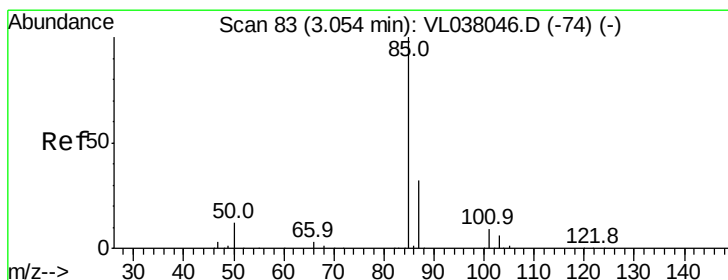
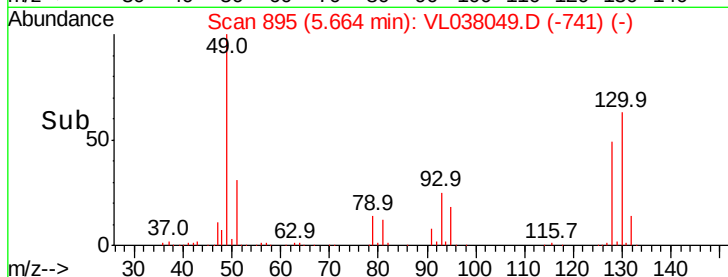
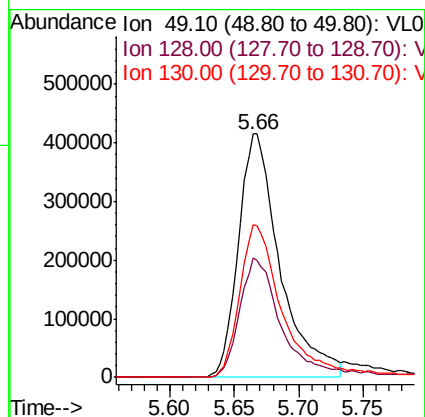
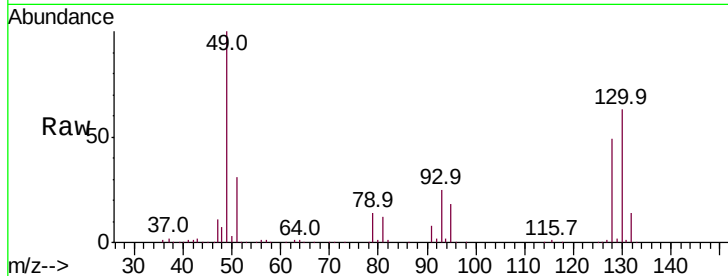
130 67.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#2

Dichlorodifluoromethane

Concen: 0.602 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL038049.D

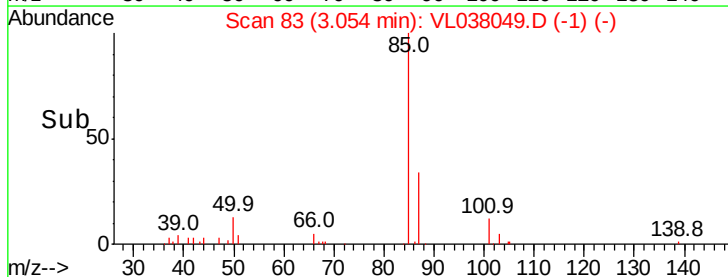
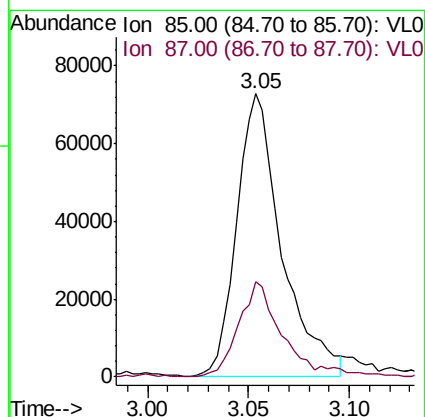
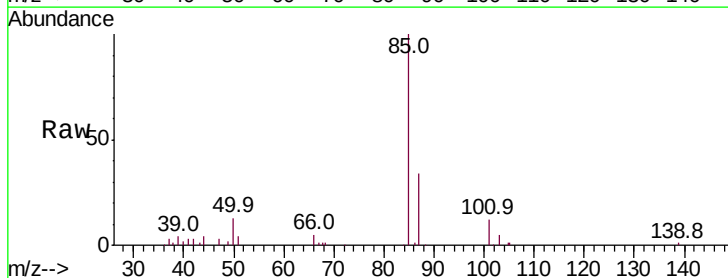
Acq: 18 Nov 2021 10:41

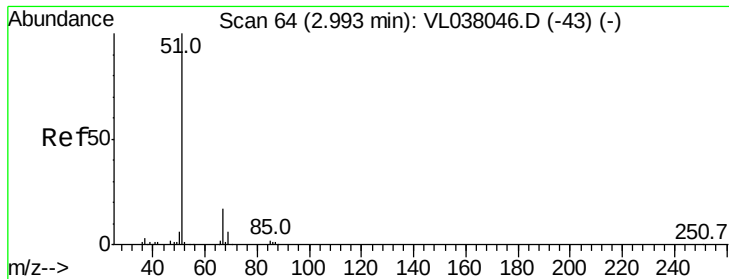
Tgt Ion: 85 Resp: 113937

Ion Ratio Lower Upper

85 100

87 33.6 25.8 38.6





#3

Chlorodifluoromethane

Concen: 0.438 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: VSTDIC0.5

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

51 100

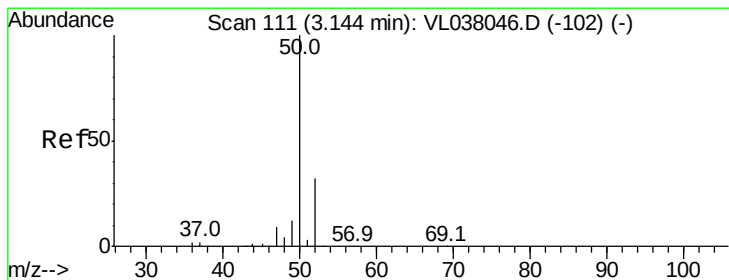
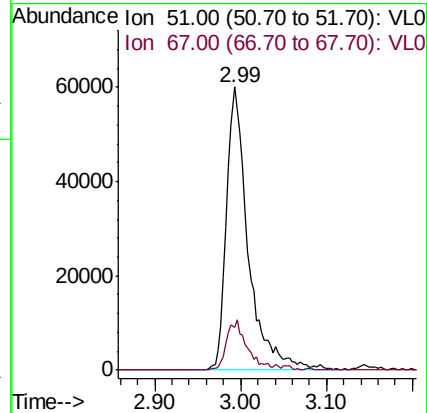
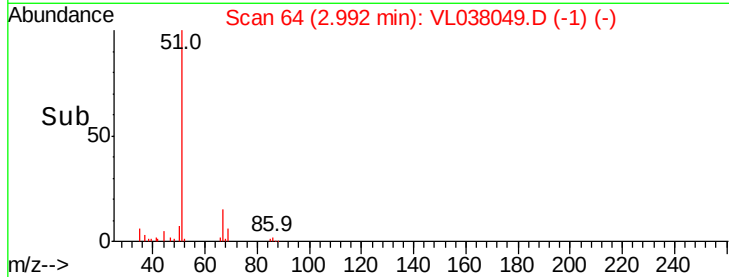
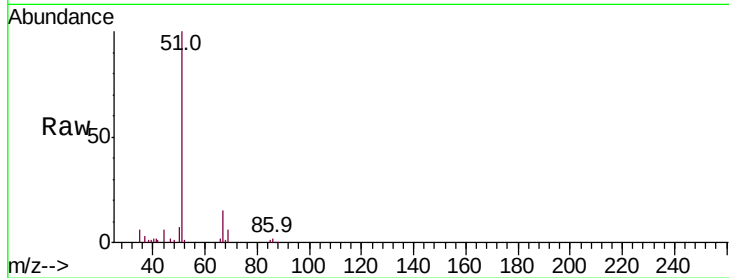
67 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#4

Chloromethane

Concen: 0.402 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038049.D

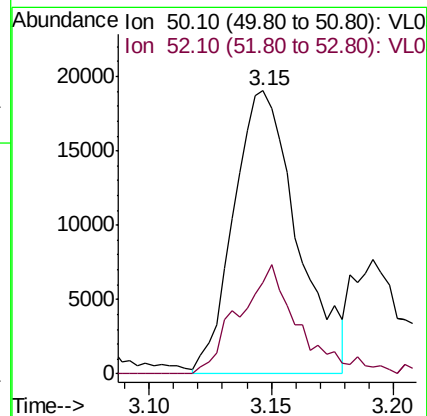
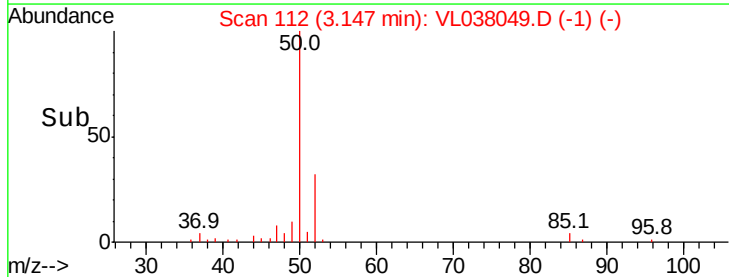
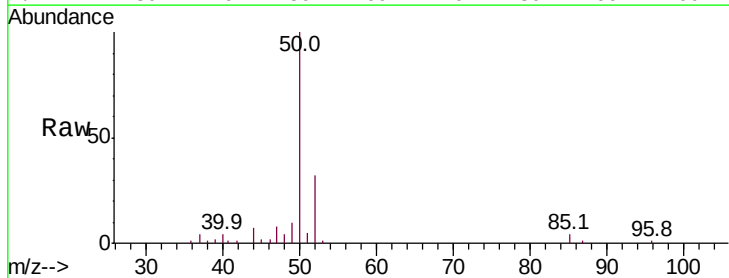
Acq: 18 Nov 2021 10:41

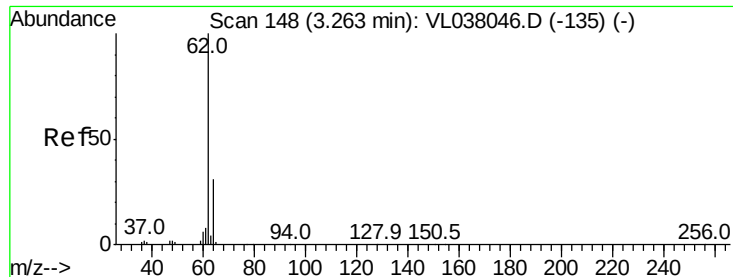
Tgt Ion: 50 Resp: 34585

Ion Ratio Lower Upper

50 100

52 32.5 25.4 38.0





#5

Vinyl Chloride

Concen: 0.386 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41 VSTDIC0.5

Tot Ion:

Ion Ratio

62 100

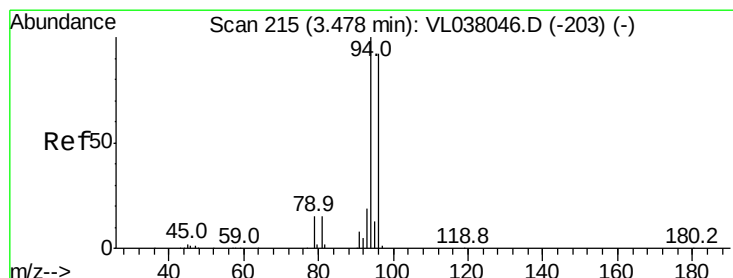
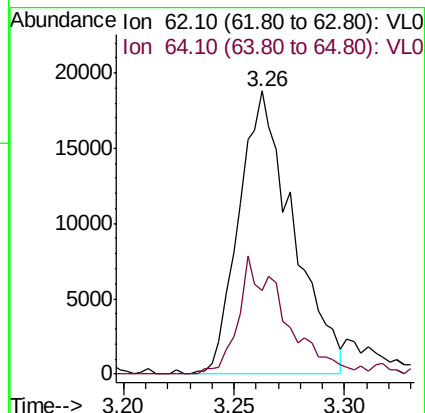
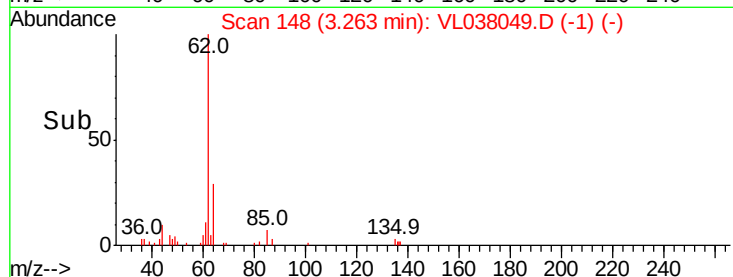
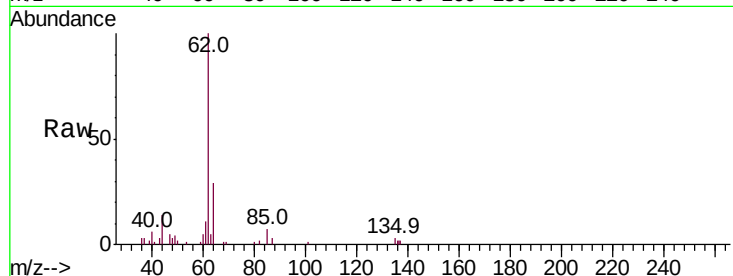
64 29.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#6

Bromomethane

Concen: 0.435 ppbv m

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038049.D

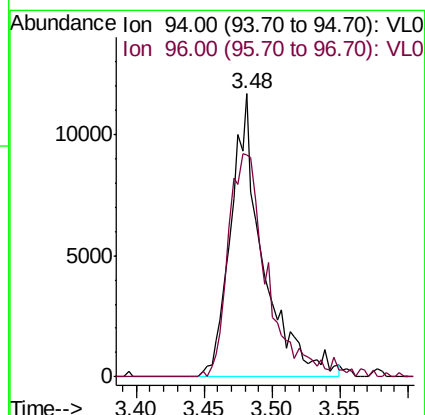
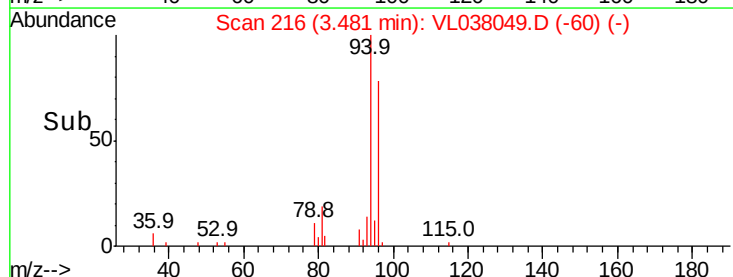
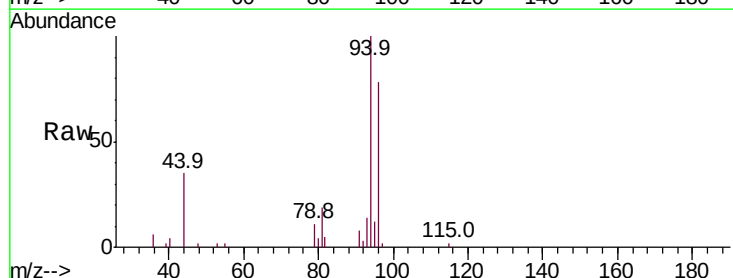
Acq: 18 Nov 2021 10:41

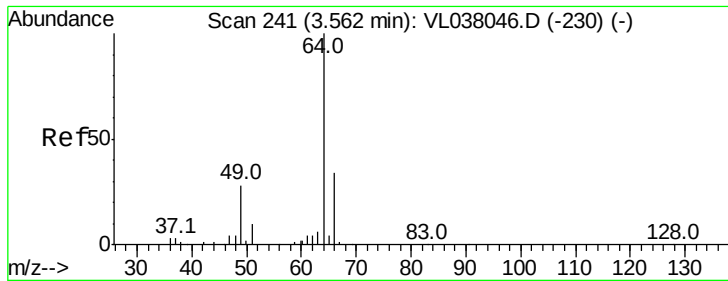
Tgt Ion: 94 Resp: 19211

Ion Ratio Lower Upper

94 100

96 78.5 73.9 110.9





#7

Chloroethane

Concen: 0.438 ppbv m

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41 VSTDIC0.5

Tot Ion:

Ion Ratio

64 100

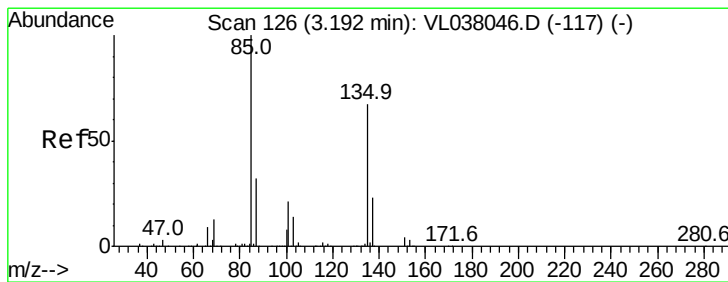
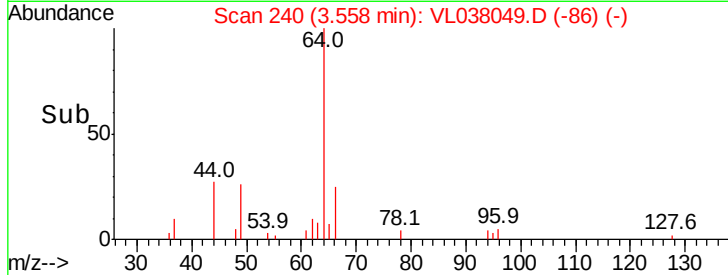
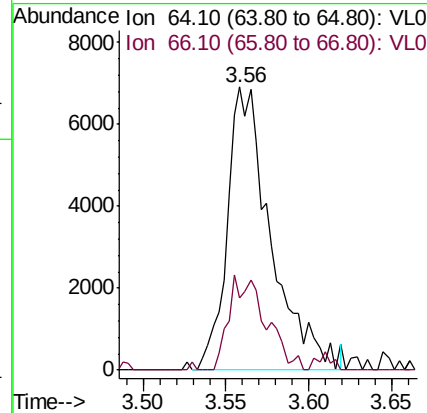
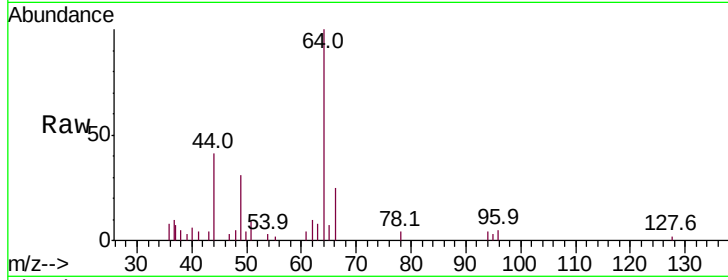
66 25.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#8

Dichlorotetrafluoroethane

Concen: 0.411 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL038049.D

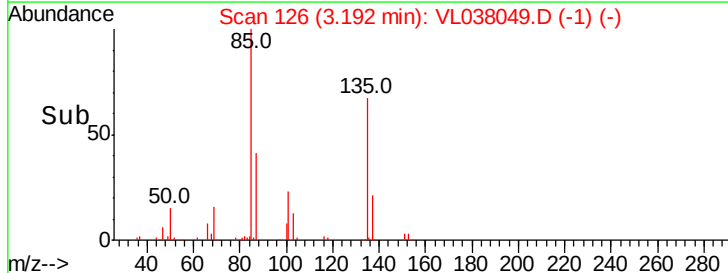
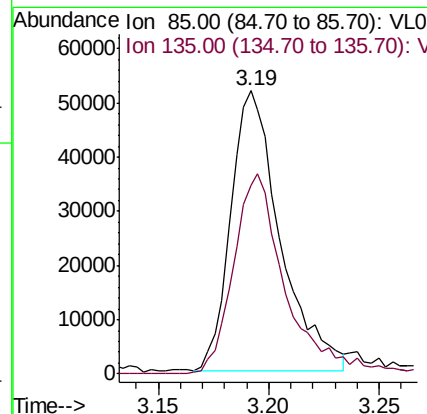
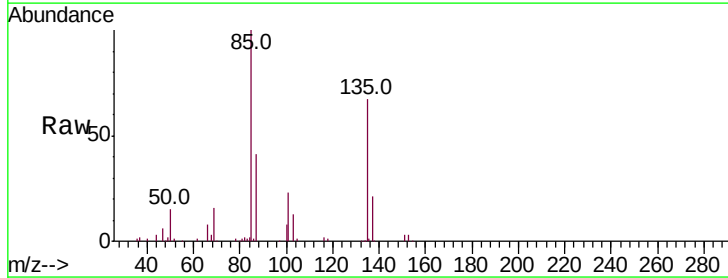
Acq: 18 Nov 2021 10:41

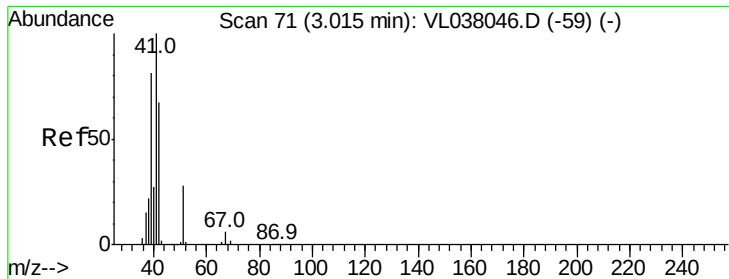
Tgt Ion: 85 Resp: 80636

Ion Ratio Lower Upper

85 100

135 76.9 57.9 86.9





#9

Propene

Concen: 0.450 ppbv m

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

41 100

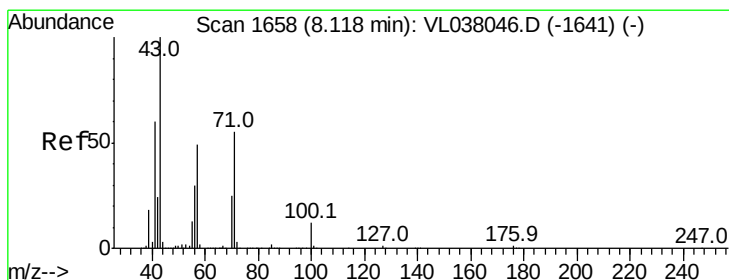
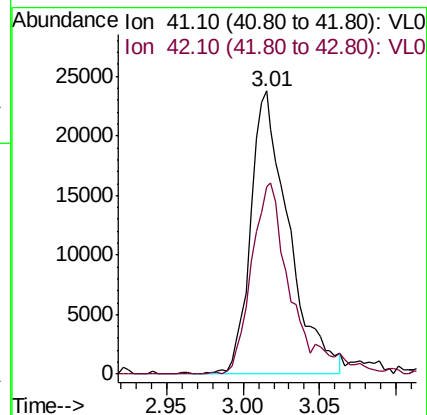
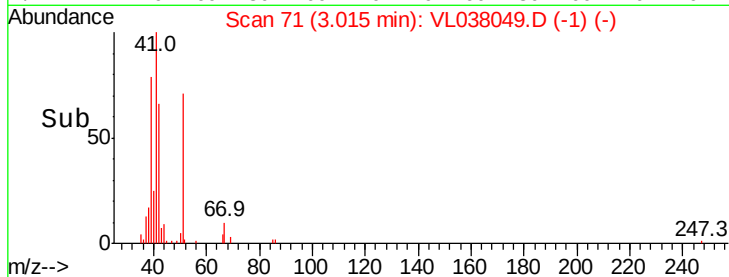
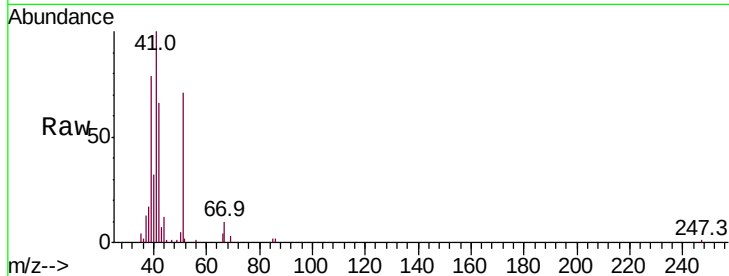
42 71.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#10

Heptane

Concen: 0.434 ppbv m

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL038049.D

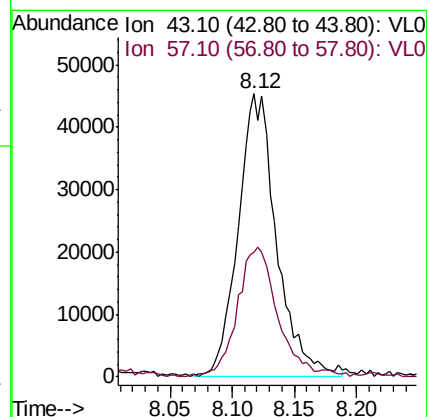
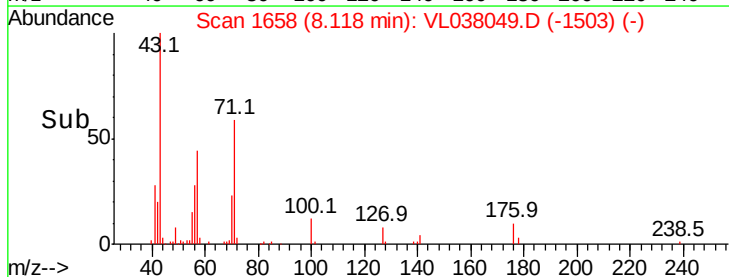
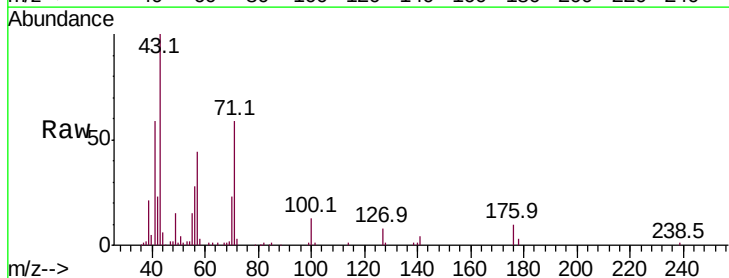
Acq: 18 Nov 2021 10:41

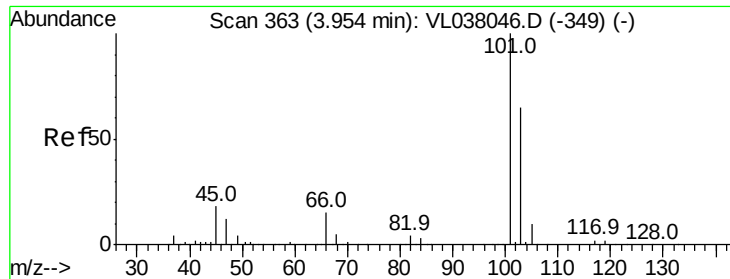
Tgt Ion: 43 Resp: 97580

Ion Ratio Lower Upper

43 100

57 49.4 40.4 60.6



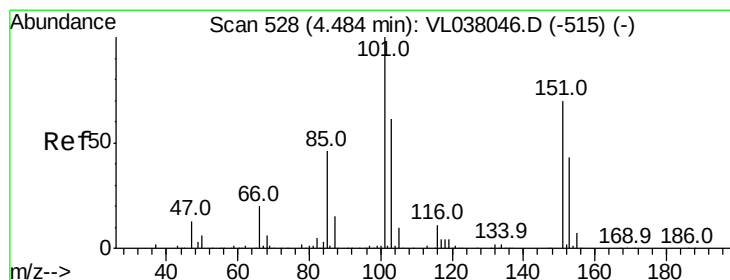
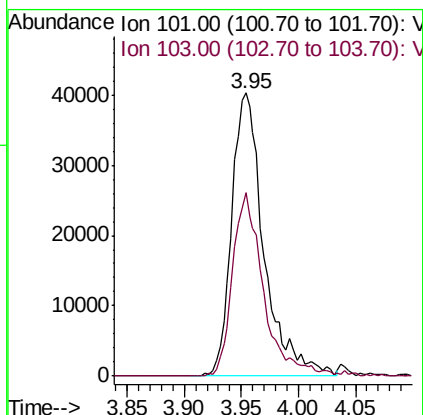
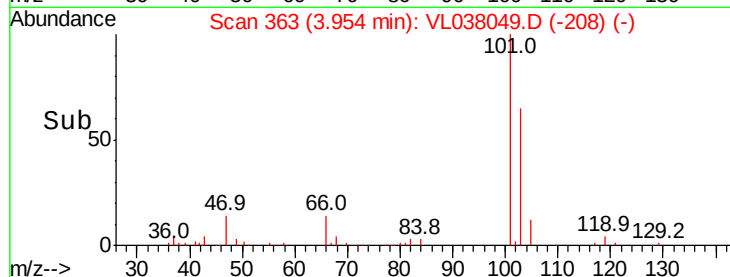
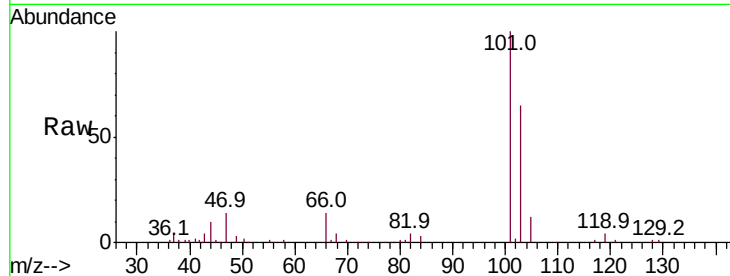


#11
 Trichlorofluoromethane
 Concen: 0.422 ppbv m
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:1
 Ion Rati
 101 100
 103 64.

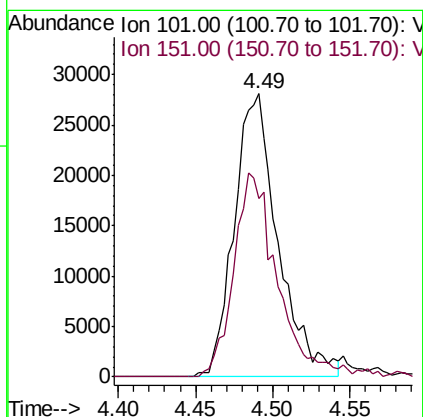
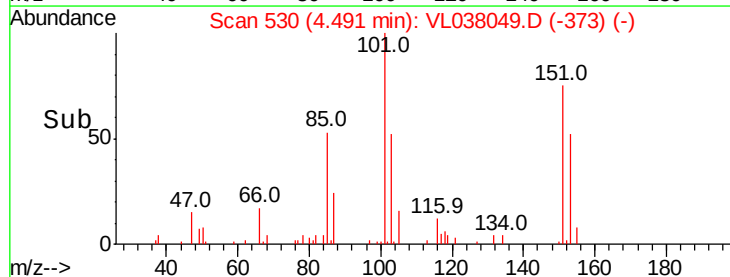
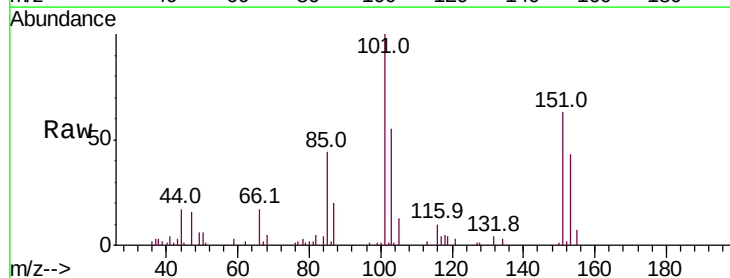
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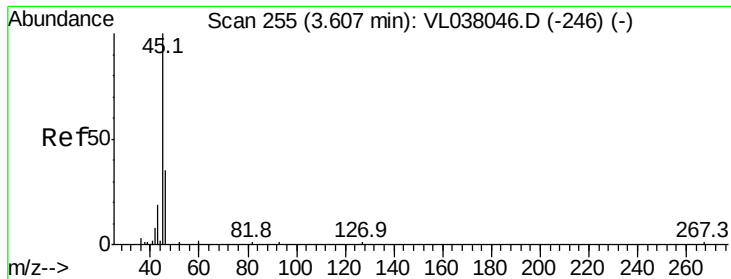
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.383 ppbv m
 RT: 4.49 min Scan# 530
 Delta R.T. 0.01 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion:101 Resp: 55573
 Ion Ratio Lower Upper
 101 100
 151 72.5 59.0 88.4



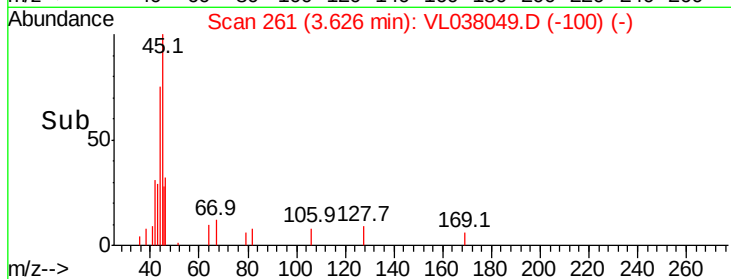
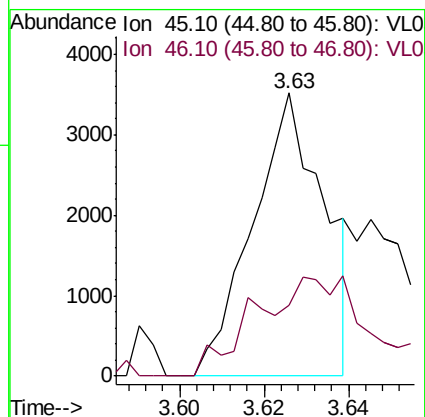
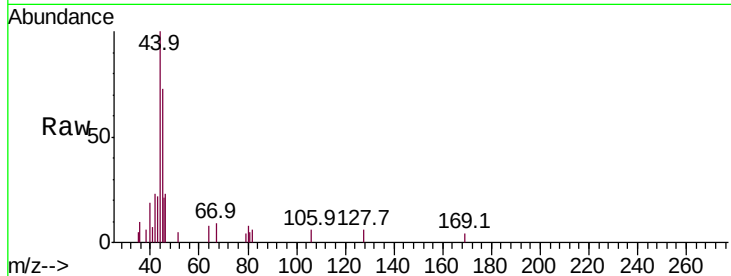


#13
Ethanol
Concen: 0.512 ppbv m
RT: 3.63
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 10:41

Tot Ion:
Ion Ratio
45 100
46 0.

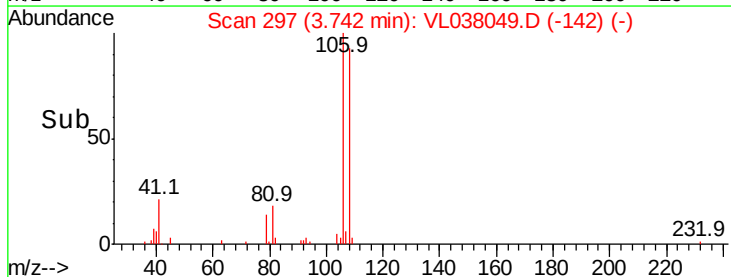
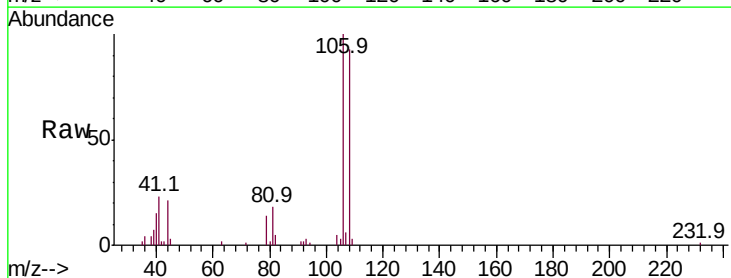
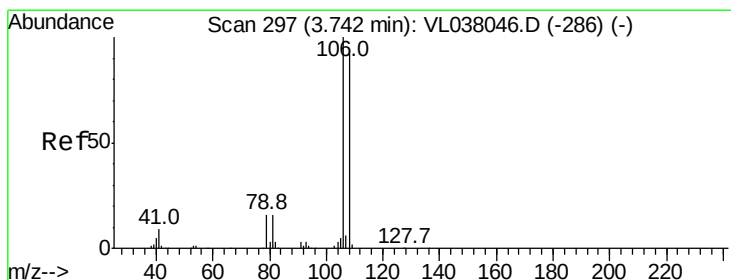
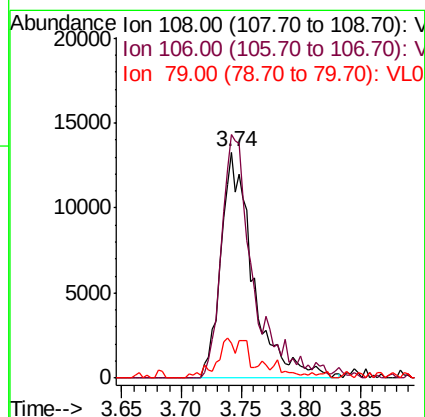
Manual Integrations
APPROVED

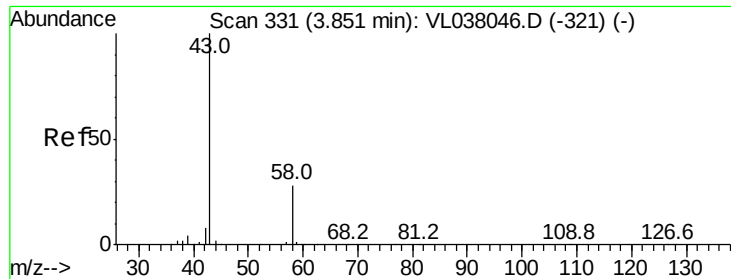
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#14
Bromoethene
Concen: 0.409 ppbv m
RT: 3.74 min Scan# 297
Delta R.T. -0.00 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion:108 Resp: 24807
Ion Ratio Lower Upper
108 100
106 109.6 89.4 134.0
79 22.4 14.1 21.1#





#15

Acetone

Concen: 0.396 ppbv m

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

43 100

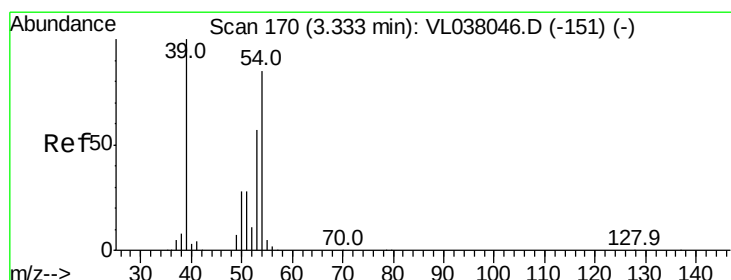
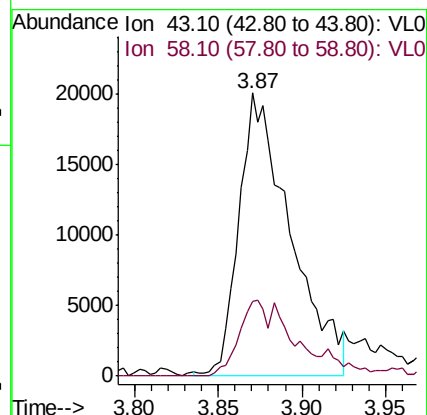
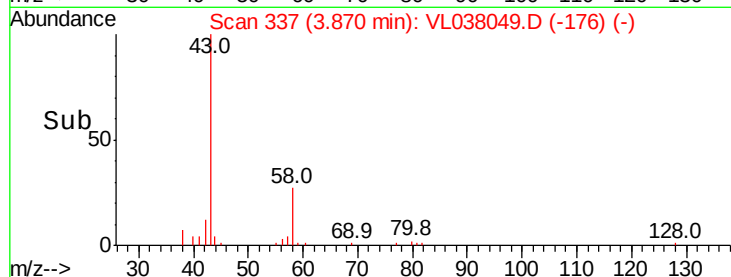
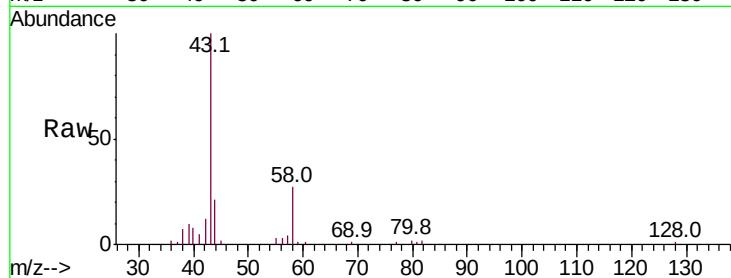
58 31.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#16

1,3-Butadiene

Concen: 0.411 ppbv m

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL038049.D

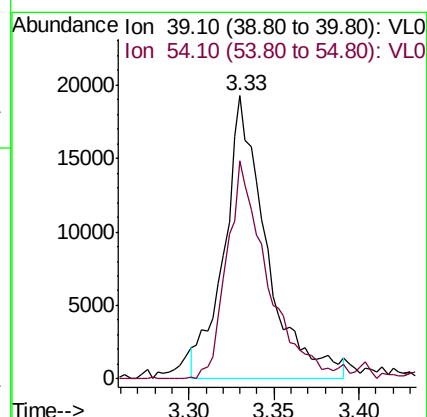
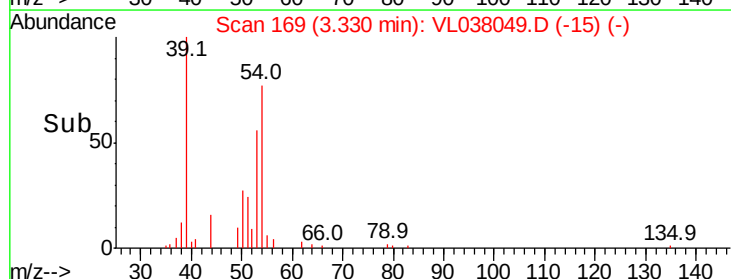
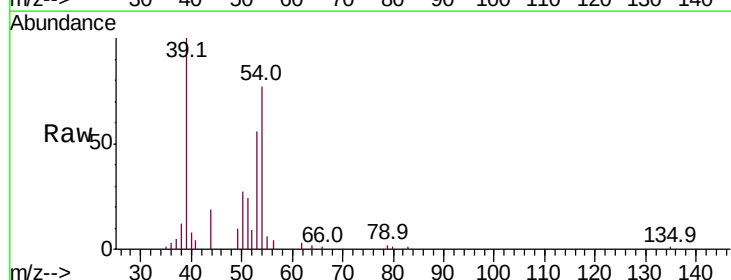
Acq: 18 Nov 2021 10:41

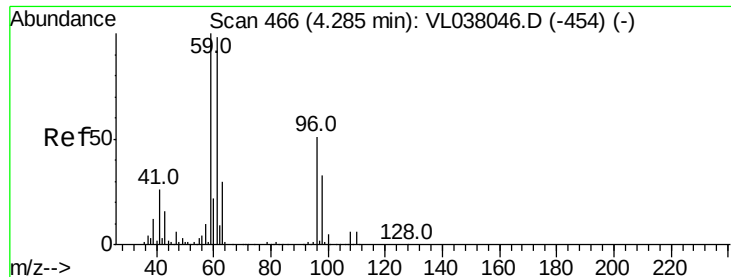
Tgt Ion: 39 Resp: 33351

Ion Ratio Lower Upper

39 100

54 76.9 64.4 96.6





#17

tert-Butyl alcohol

Concen: 0.361 ppbv

RT: 4.32

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

59 100

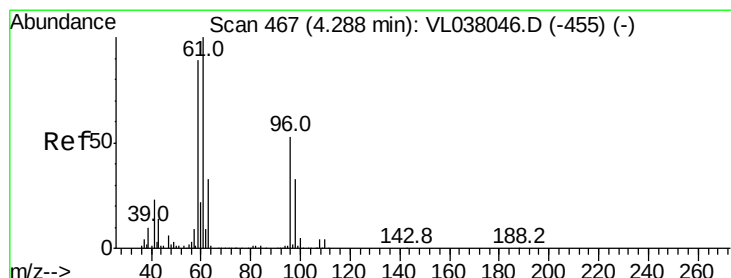
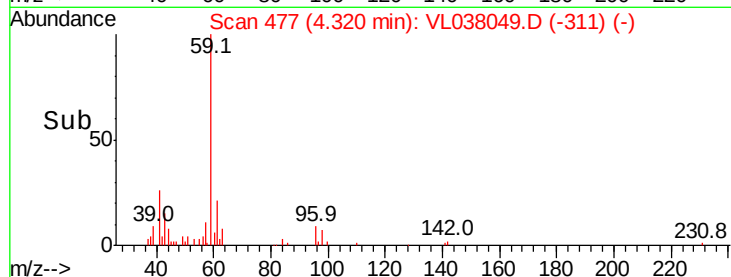
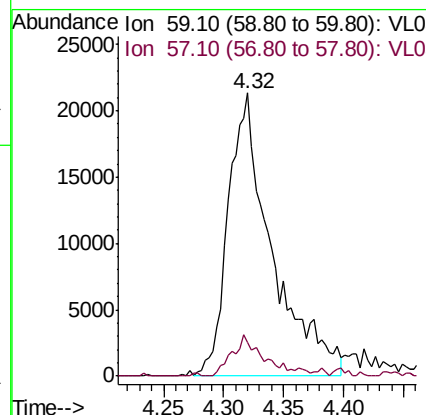
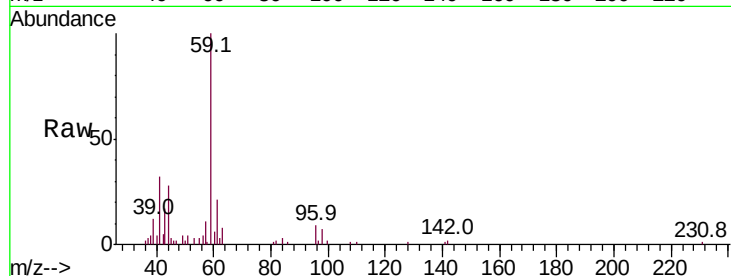
57 10.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#18

1,1-Dichloroethene

Concen: 0.375 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

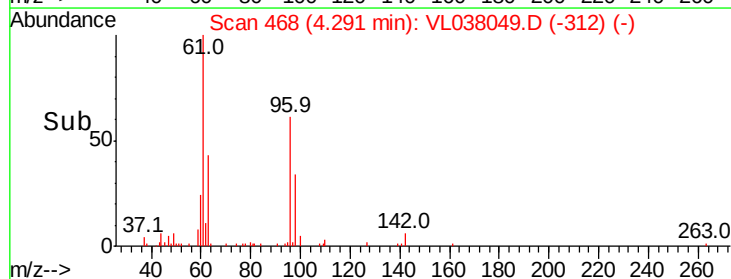
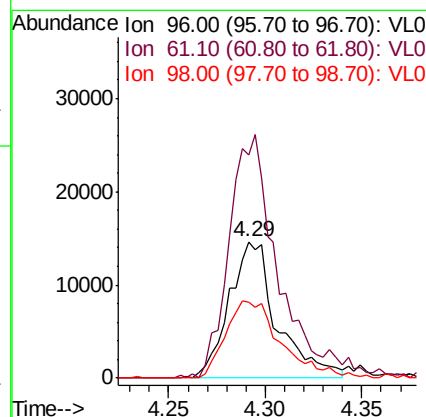
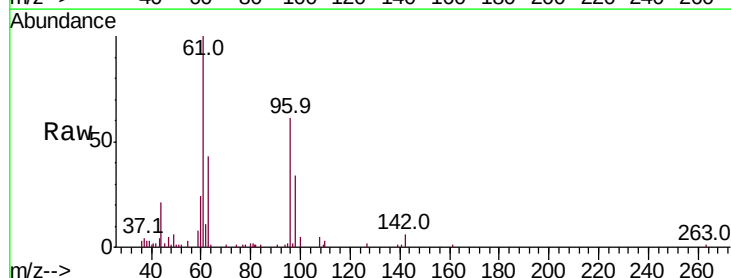
Tgt Ion: 96 Resp: 25089

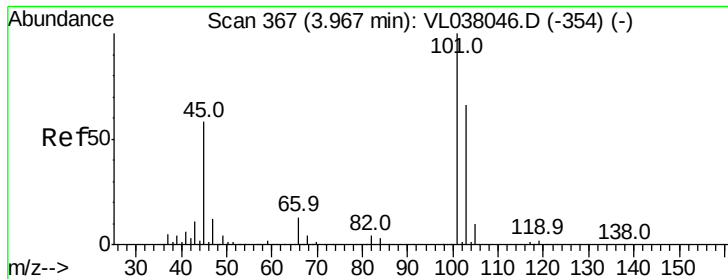
Ion Ratio Lower Upper

96 100

61 160.0 149.8 224.8

98 55.5 50.2 75.2





#19

Isopropyl Alcohol

Concen: 0.442 ppbv m

RT: 4.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41 VSTDIC0.5

Tot Ion:

Ion Ratio

45 100

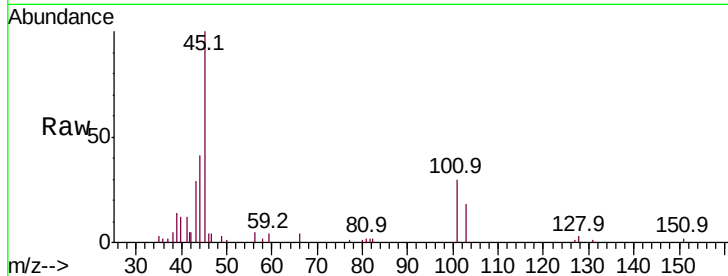
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

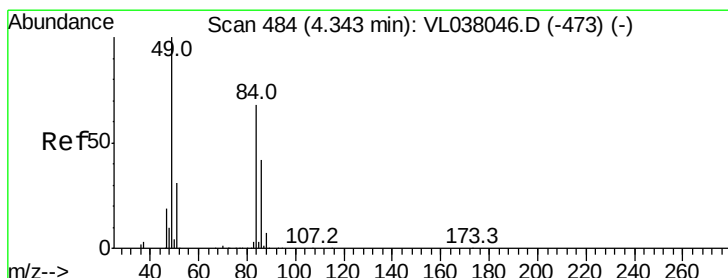
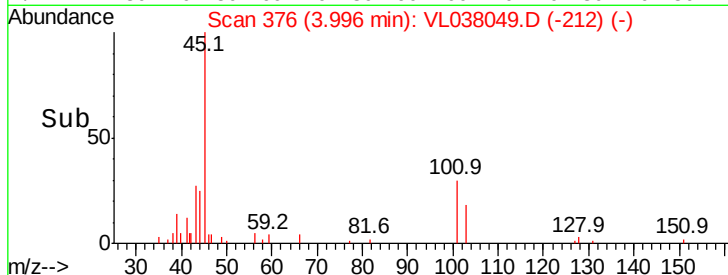
4.00

10000

5000

0

Time--> 3.90 4.00 4.10



#20

Methylene Chloride

Concen: 0.425 ppbv m

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

Tgt Ion: 84 Resp: 27317

Ion Ratio Lower Upper

84 100

49 137.5 118.2 177.2

51 46.6 36.8 55.2

86 51.5 49.0 73.6

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

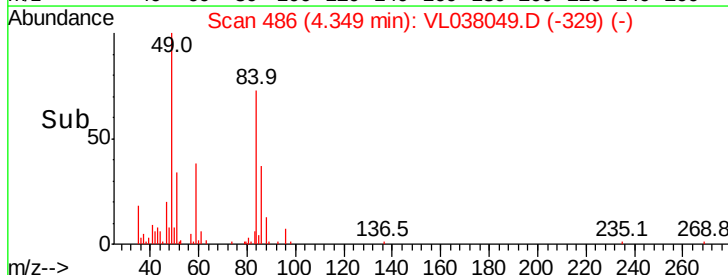
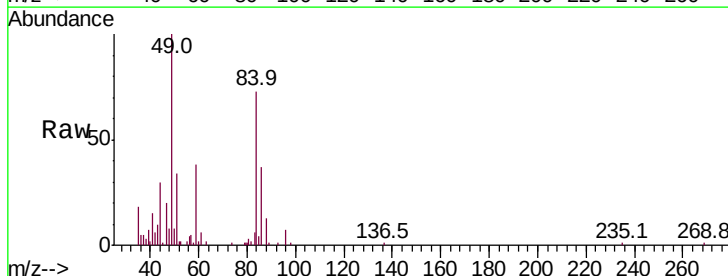
30000

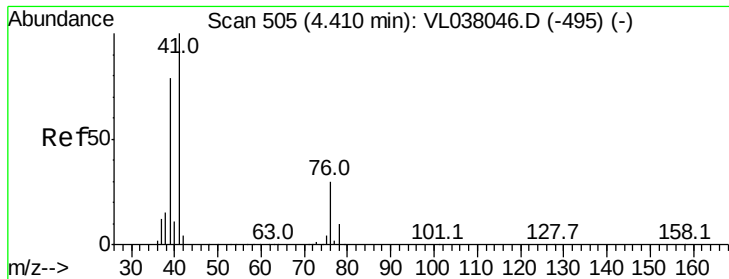
20000

10000

0

Time--> 4.30 4.40



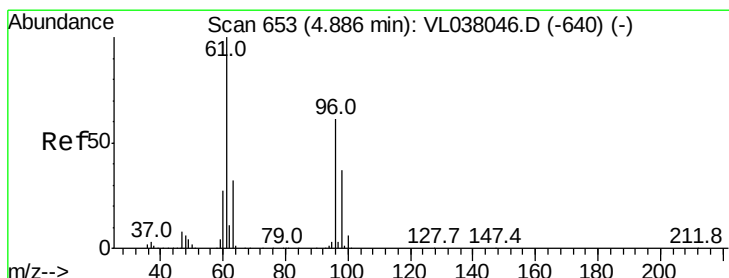
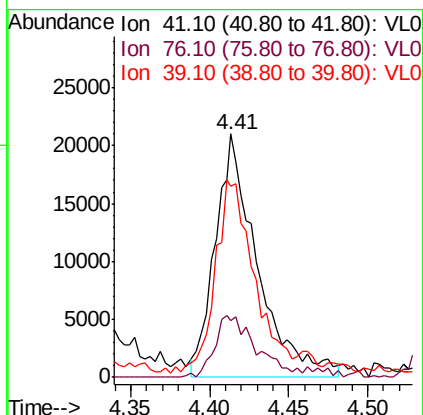
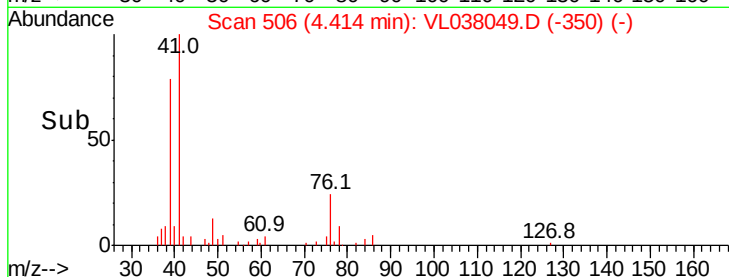
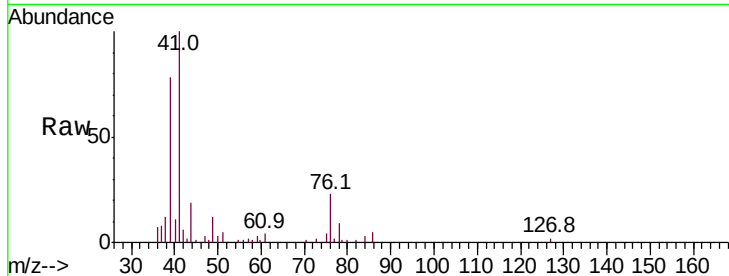


#21
 Allvl Chloride
 Concen: 0.361 ppbv m
 RT: 4.41
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:
 Ion Ratio
 41 100
 76 27.
 39 87.

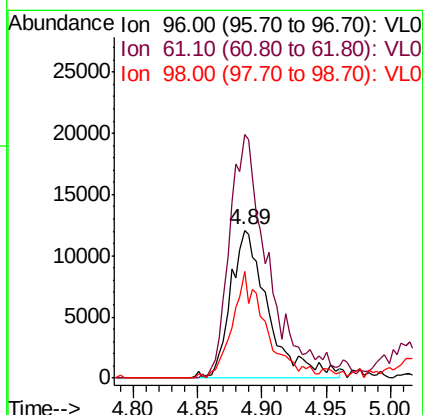
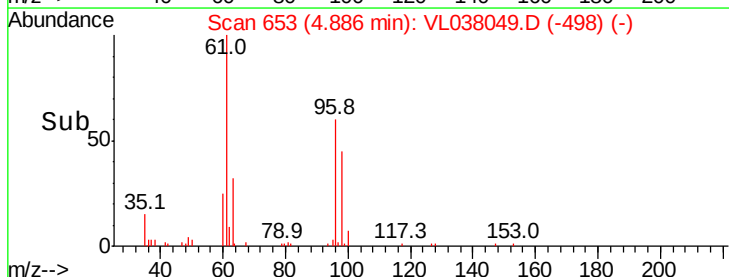
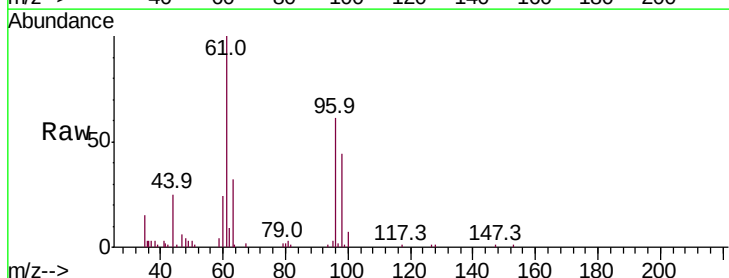
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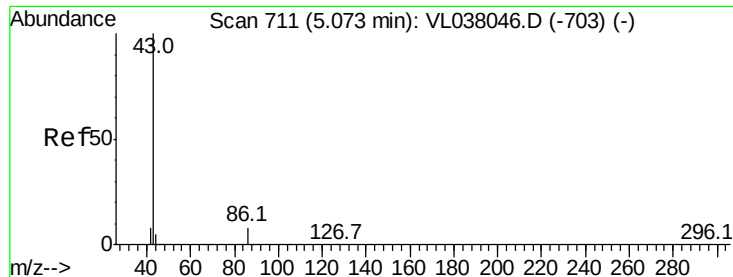
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#22
 trans-1,2-Dichloroethene
 Concen: 0.368 ppbv m
 RT: 4.89 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion: 96 Resp: 24844
 Ion Ratio Lower Upper
 96 100
 61 164.7 131.6 197.4
 98 72.5 48.4 72.6





#23

Vinyl Acetate

Concen: 0.313 ppbv m

RT: 5.09 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41 VSTDIC0.5

Tot Ion:

Ion Ratio

43 100

86 6.

42 11.

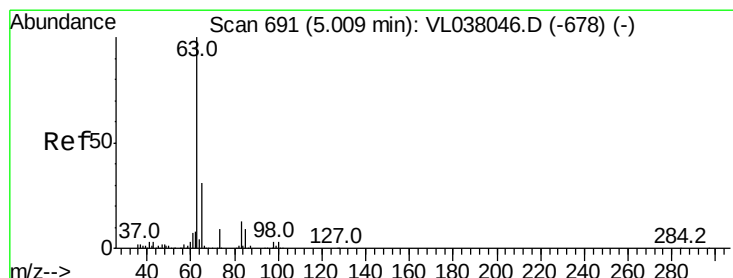
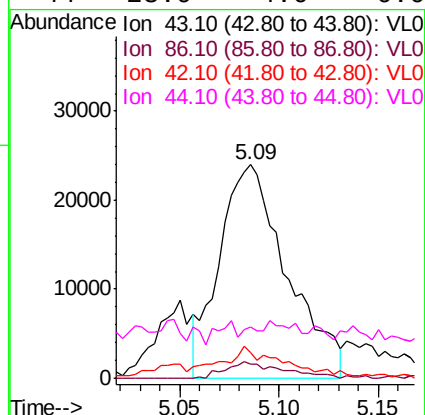
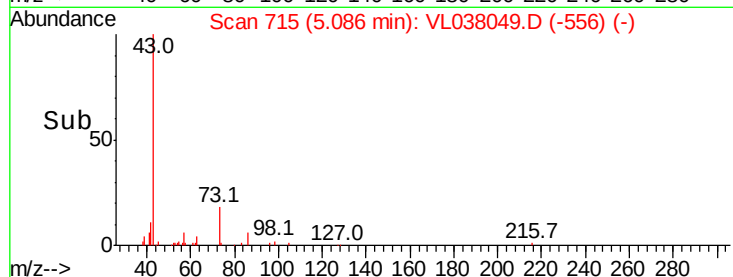
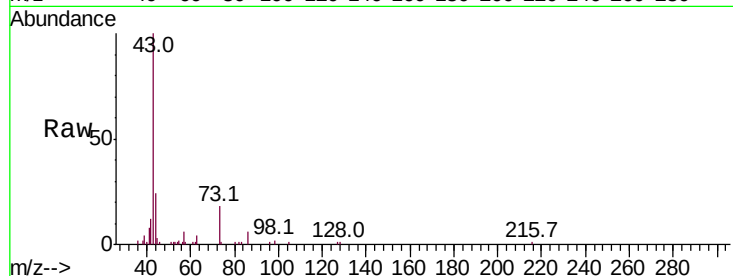
44 23.9 4.0 6.0#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#24

1,1-Dichloroethane

Concen: 0.371 ppbv m

RT: 5.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

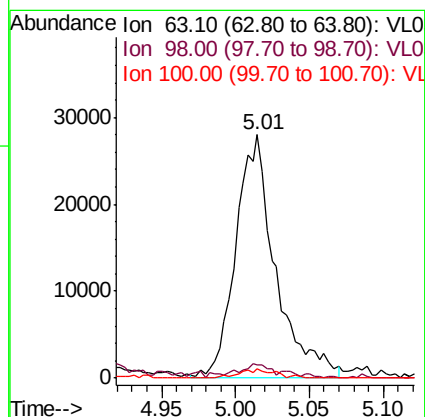
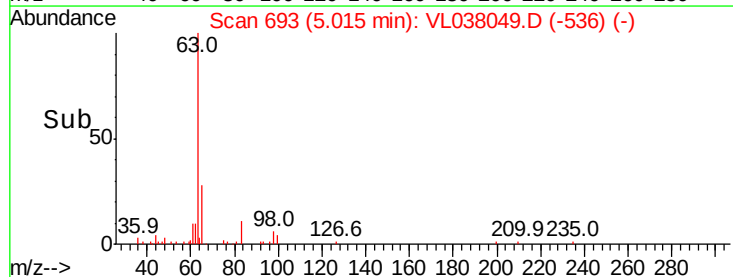
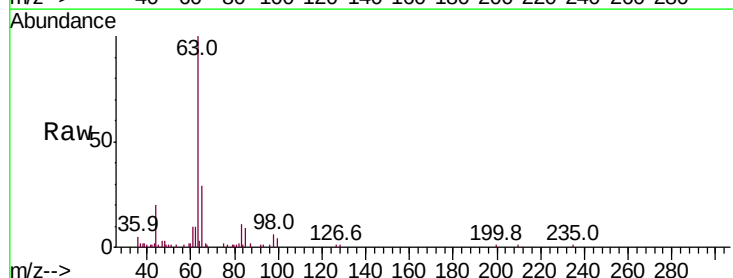
Tgt Ion: 63 Resp: 52482

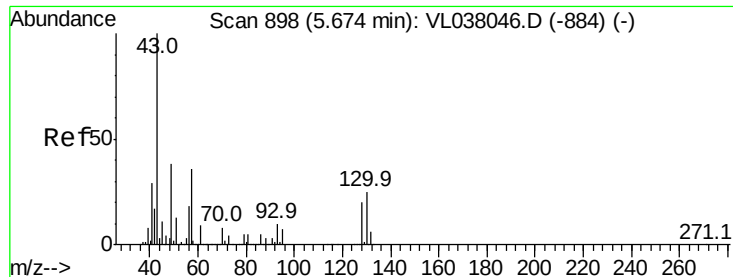
Ion Ratio Lower Upper

63 100

98 5.6 1.8 5.4#

100 3.6 1.4 4.0



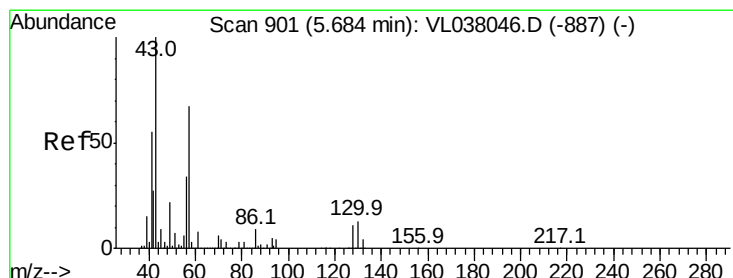
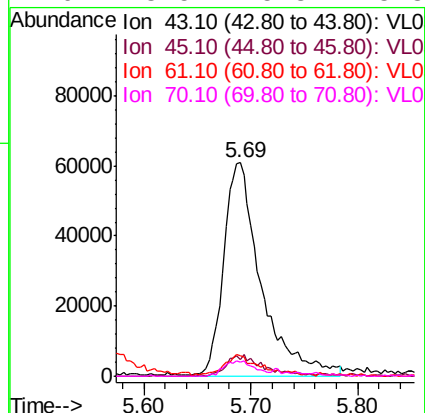
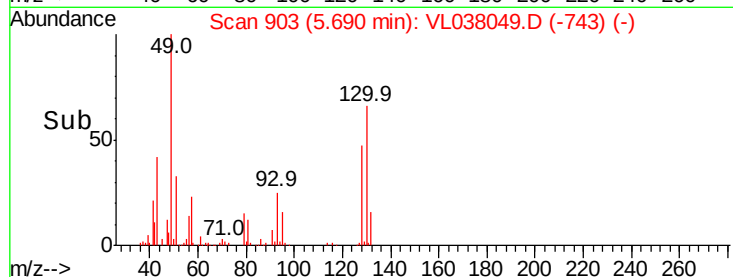
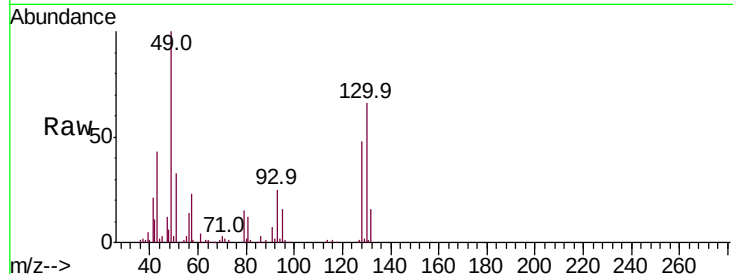


#25
Ethyl Acetate
Concen: 0.573 ppbv m
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.5
Acq: 18 Nov 2021 10:41

Tot Ion:
Ion Ratio
43 100
45 10.
61 10.
70 8.5 5.8 8.8

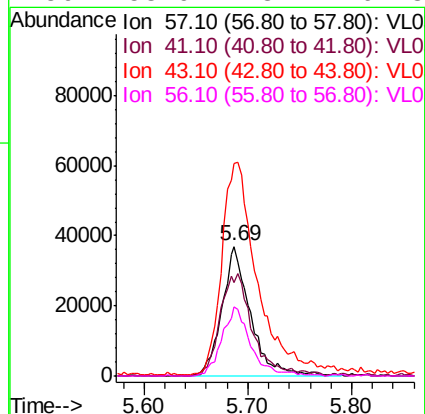
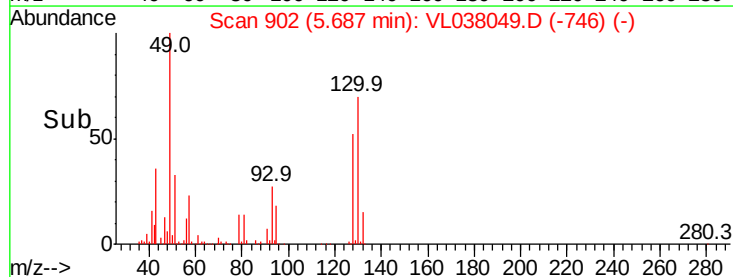
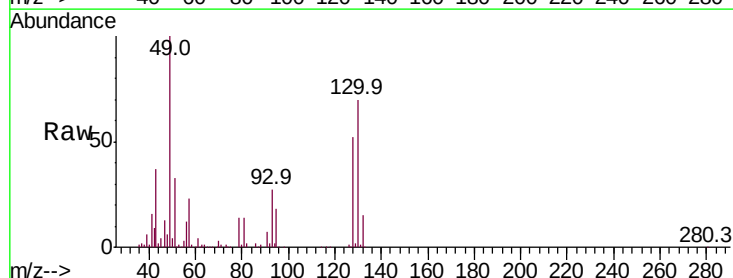
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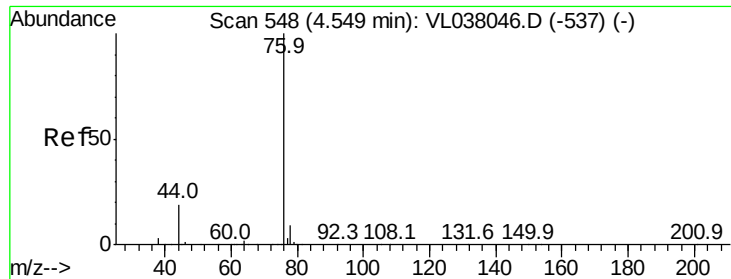
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#26
Hexane
Concen: 0.548 ppbv m
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion: 57 Resp: 70918
Ion Ratio Lower Upper
57 100
41 92.0 71.4 107.2
43 208.9 174.6 261.8
56 53.9 43.2 64.8





#27

Carbon Disulfide

Concen: 0.334 ppbv m

RT: 4.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41 VSTDIC0.5

Tot Ion:

Ion Ratio

76 100

44 27.

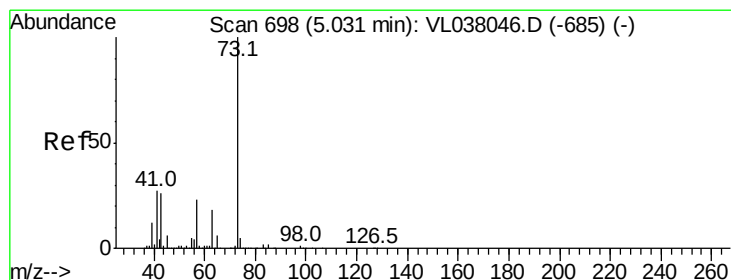
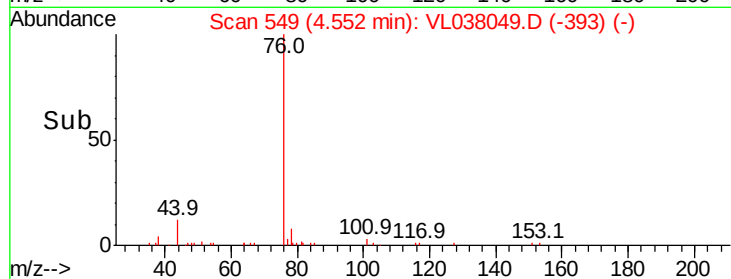
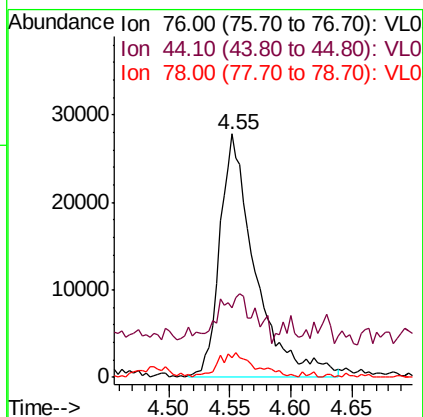
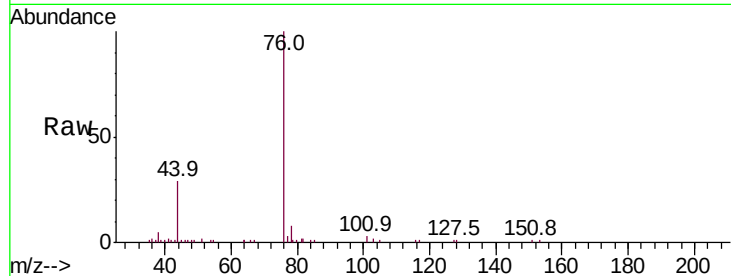
78 11.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#28

Methyl tert-Butyl Ether

Concen: 0.344 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL038049.D

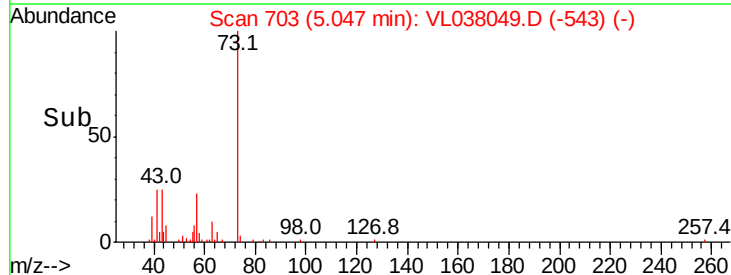
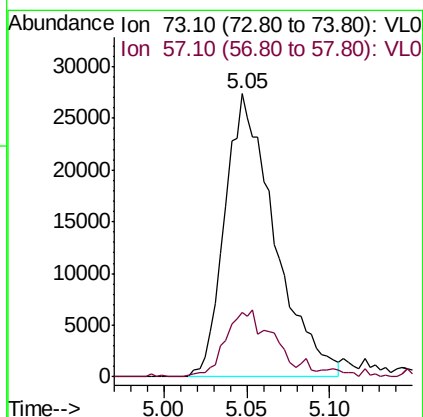
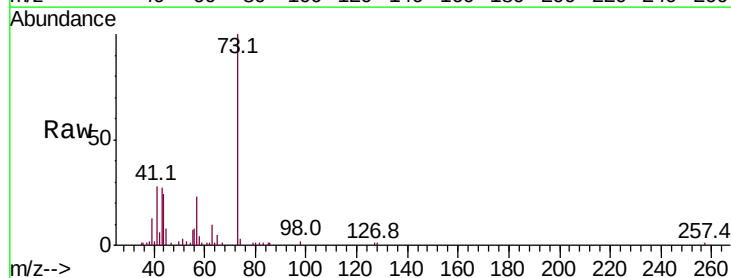
Acq: 18 Nov 2021 10:41

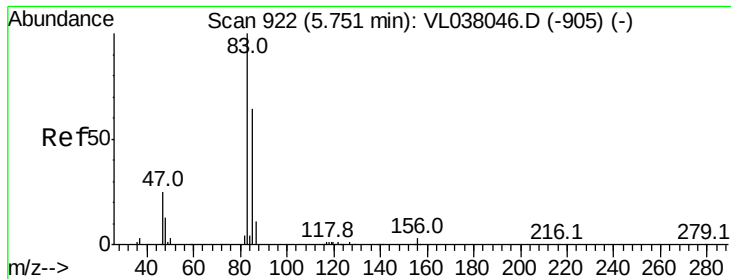
Tgt Ion: 73 Resp: 57100

Ion Ratio Lower Upper

73 100

57 24.7 19.0 28.4





#29

Chloroform

Concen: 0.520 ppbv m

RT: 5.75 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41 VSTDIC0.5

Tot Ion:

Ion Ratio

83 100

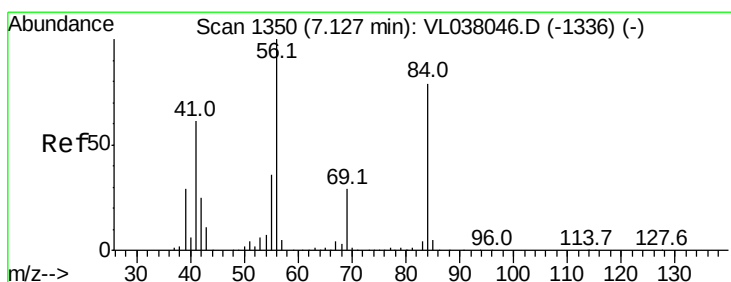
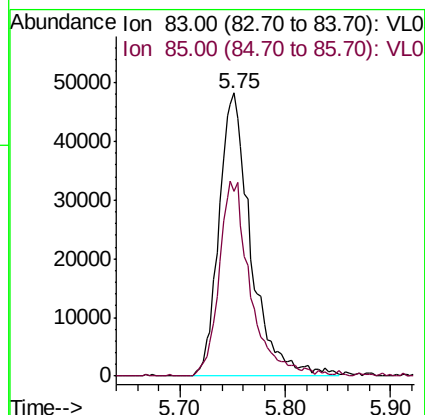
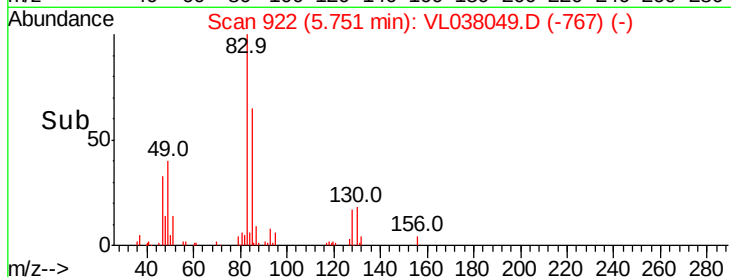
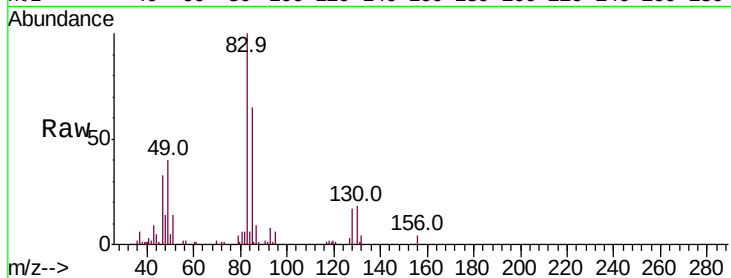
85 65.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#30

Cyclohexane

Concen: 0.444 ppbv m

RT: 7.13 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

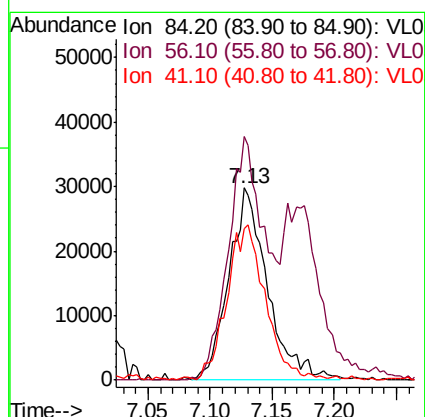
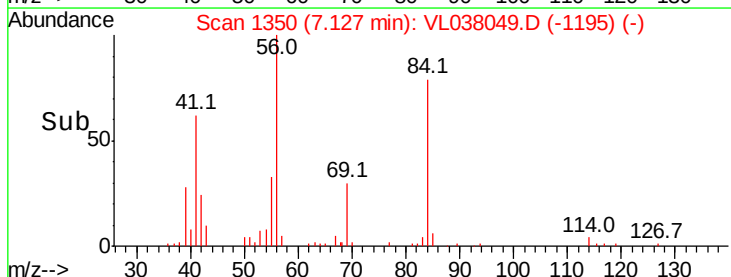
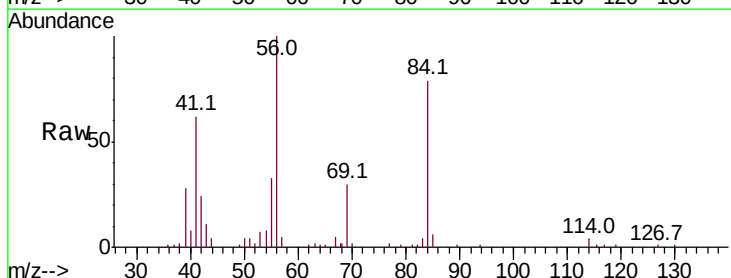
Tgt Ion: 84 Resp: 64617

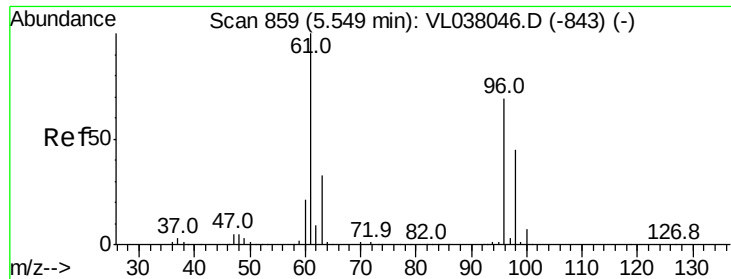
Ion Ratio Lower Upper

84 100

56 118.6 108.1 162.1

41 82.2 64.4 96.6



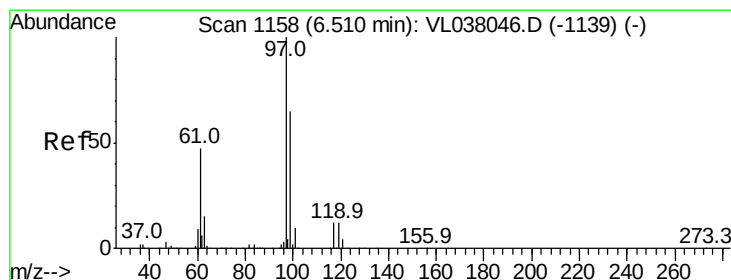
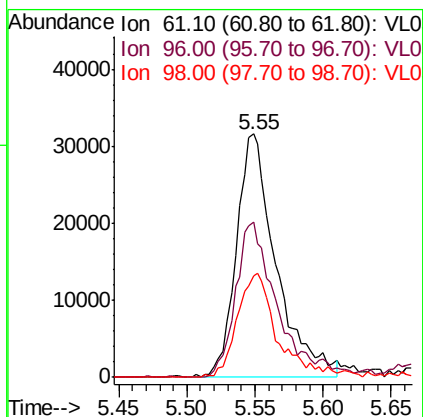
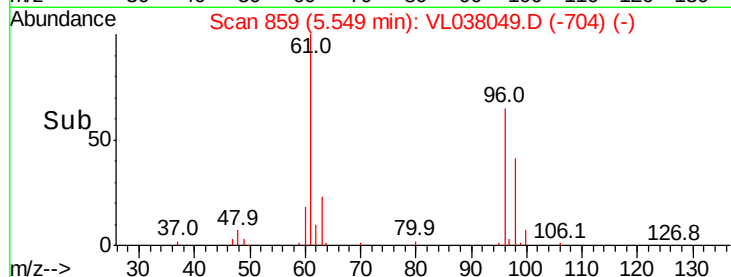
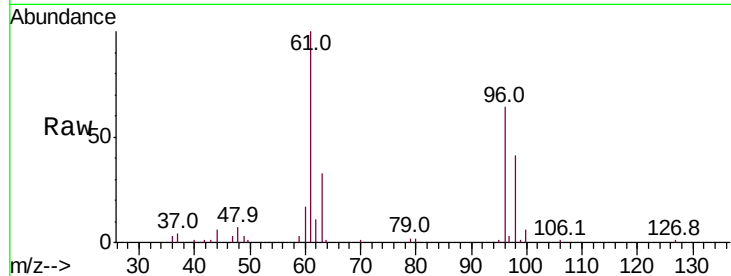


#31
 cis-1,2-Dichloroethene
 Concen: 0.598 ppbv m
 RT: 5.55
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:
 Ion Rati
 61 100
 96 63.
 98 41.

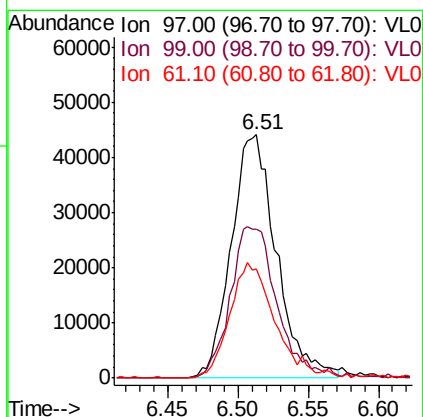
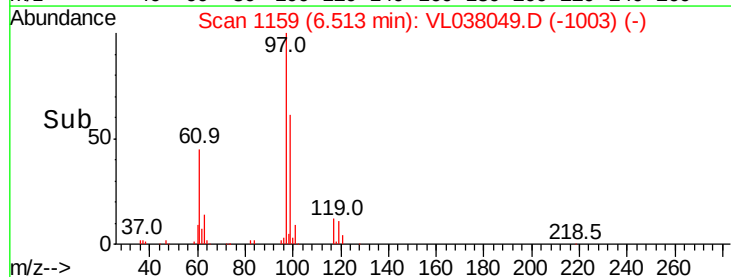
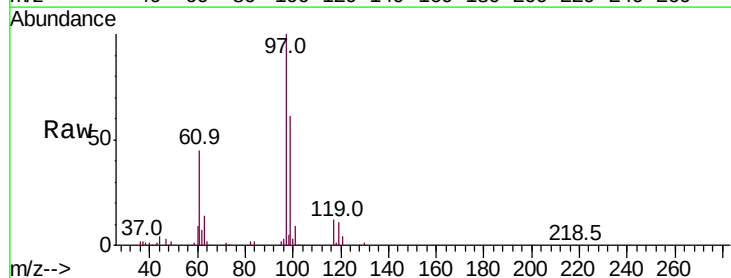
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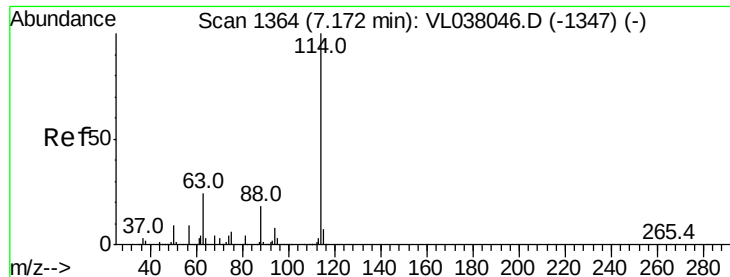
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#32
 1,1,1-Trichloroethane
 Concen: 0.400 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion: 97 Resp: 98892
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.2 78.4
 61 47.8 37.7 56.5



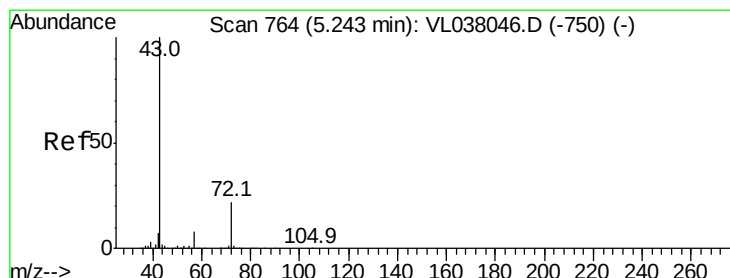
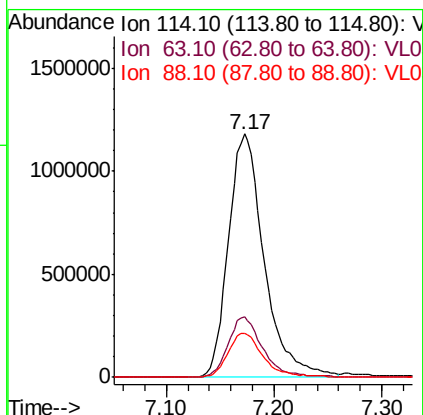
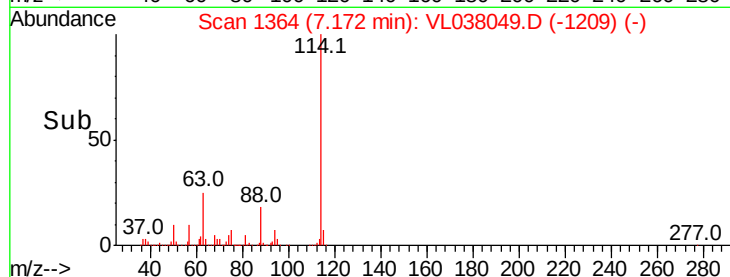
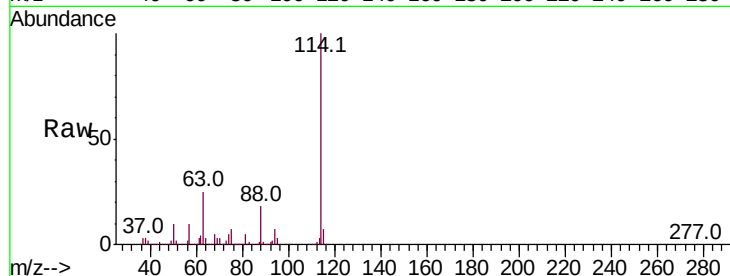


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Nov 2021 10:41

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 18.

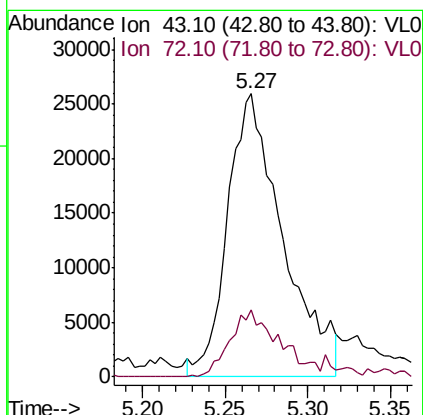
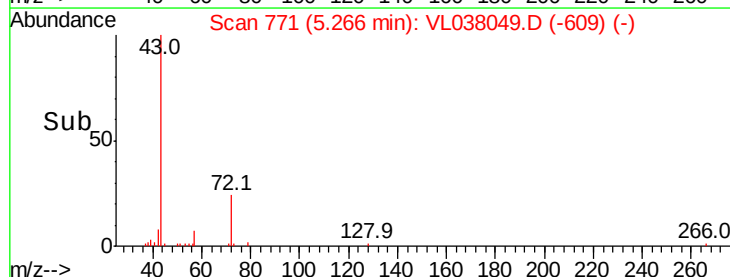
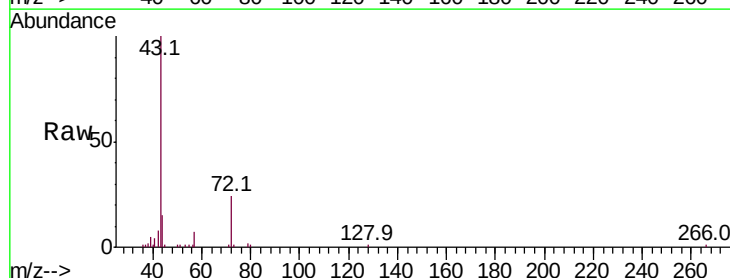
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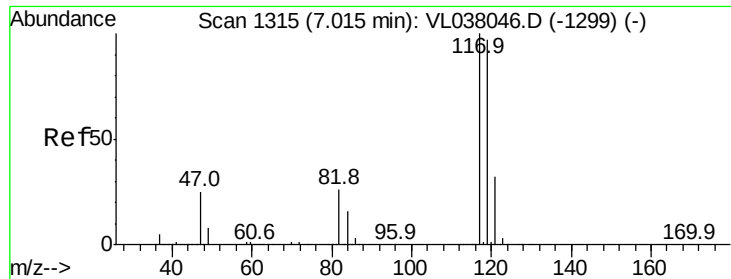
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#34
 2-Butanone
 Concen: 0.670 ppbv m
 RT: 5.27 min Scan# 771
 Delta R.T. 0.02 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion: 43 Resp: 60405
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.8 28.2



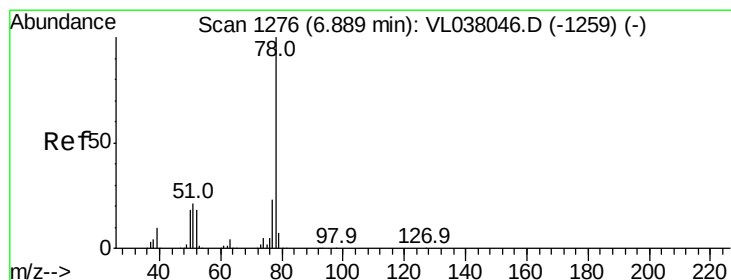
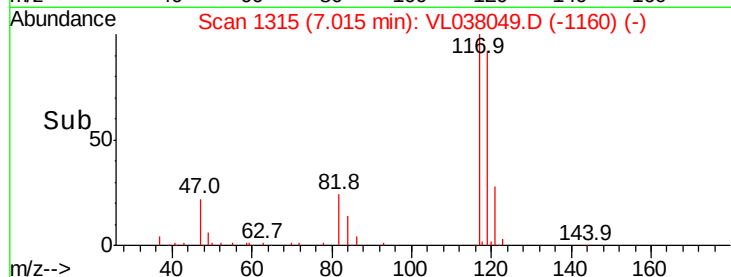
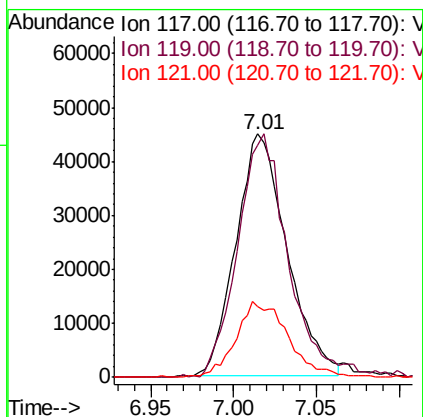
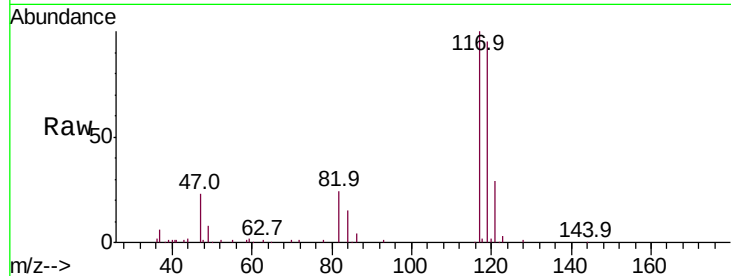


#35
Carbon Tetrachloride
Concen: 0.510 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC0.5
Acq: 18 Nov 2021 10:41

Tot Ion:1
Ion Rati
117 100
119 95.
121 28.

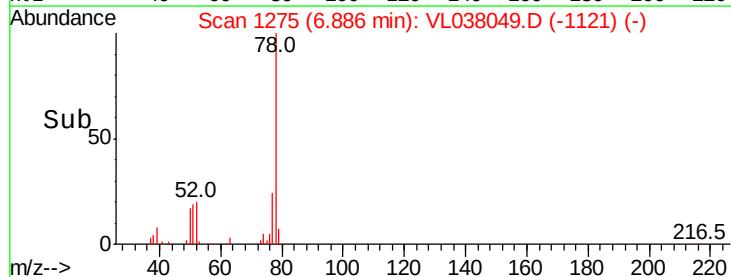
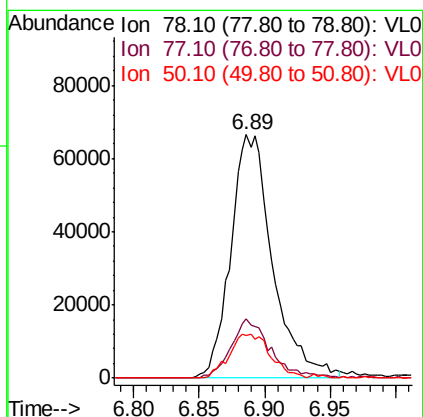
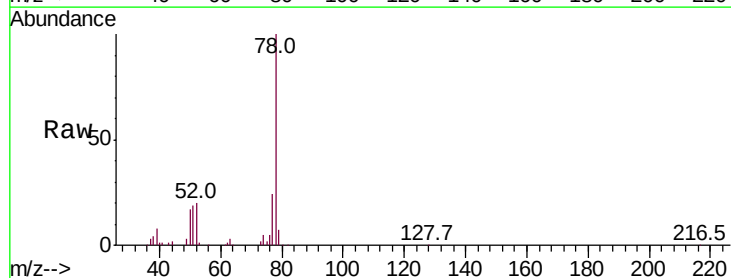
Manual Integrations
APPROVED

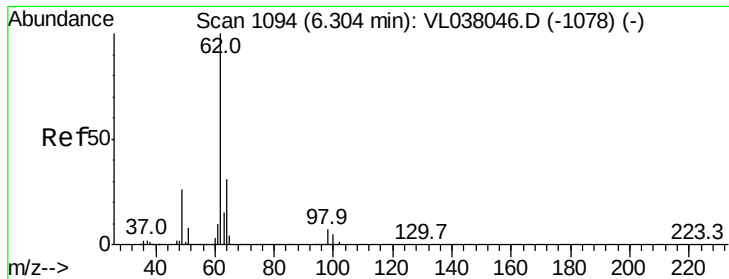
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#36
Benzene
Concen: 0.571 ppbv m
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion: 78 Resp: 148372
Ion Ratio Lower Upper
78 100
77 24.2 18.2 27.4
50 17.5 14.7 22.1



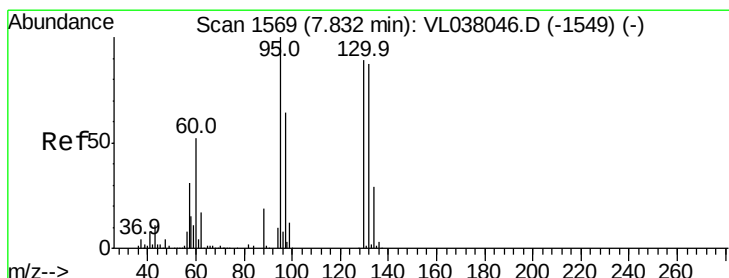
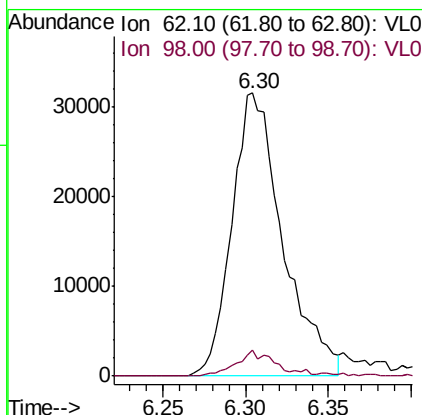
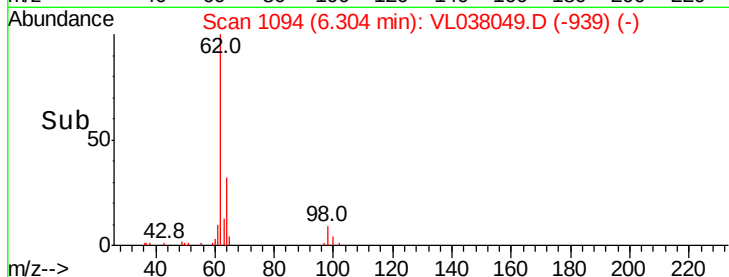
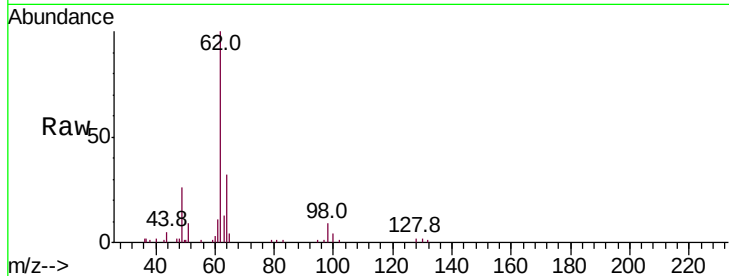


#37
 1,2-Dichloroethane
 Concen: 0.560 ppbv
 RT: 6.30
 Delta R.T.:
 Lab File: VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:
 Ion Ratio
 62 100
 98 7.

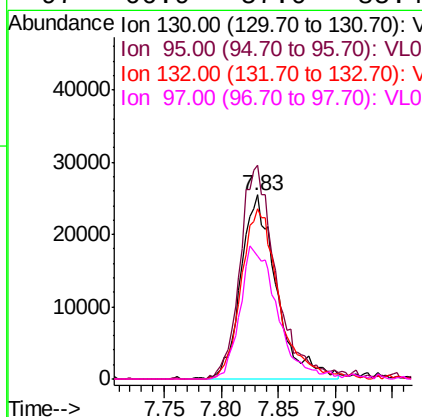
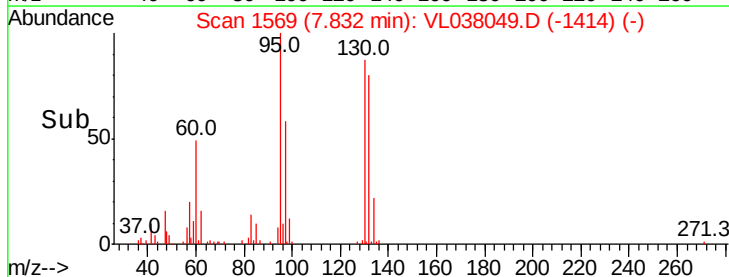
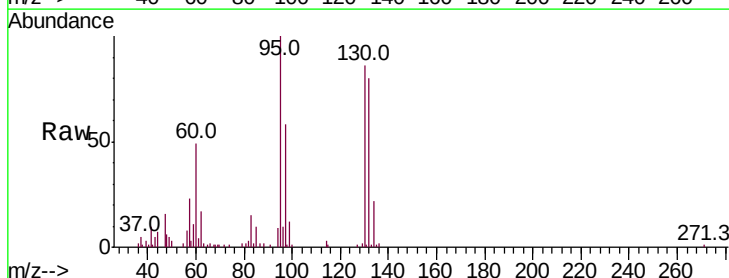
Manual Integrations
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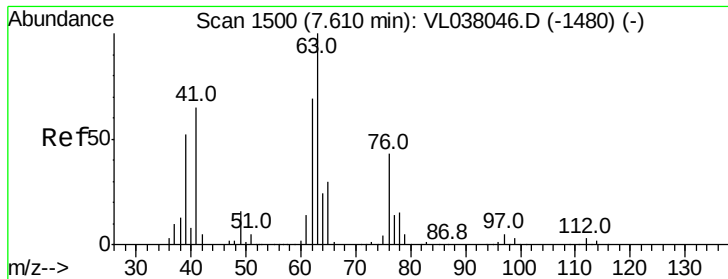
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#38
 Trichloroethene
 Concen: 0.522 ppbv m
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion:130 Resp: 55144
 Ion Ratio Lower Upper
 130 100
 95 116.0 89.4 134.2
 132 92.3 78.2 117.2
 97 66.9 57.0 85.4



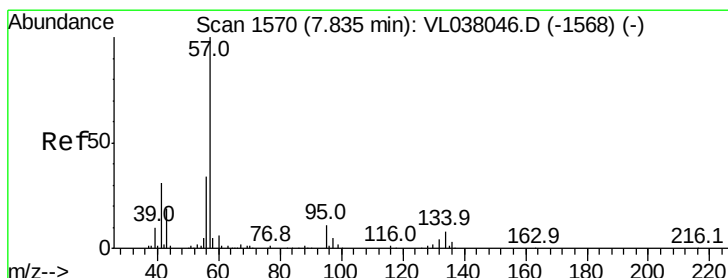
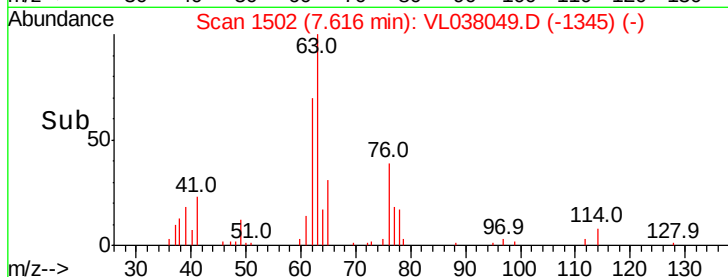
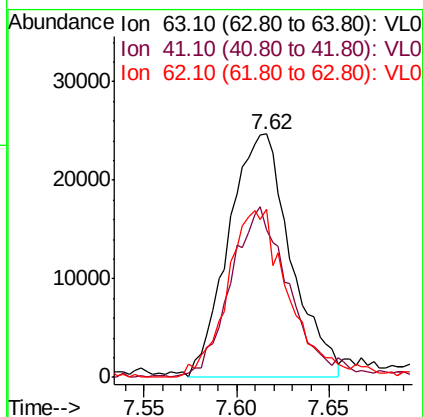
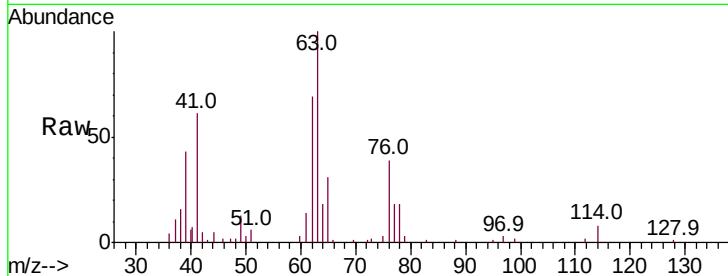


#39
 1,2-Dichloropropane
 Concen: 0.574 ppbv
 RT: 7.62
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:
 Ion Ratio
 63 100
 41 58.
 62 63.

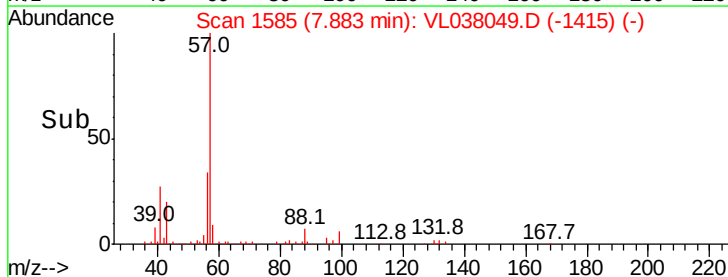
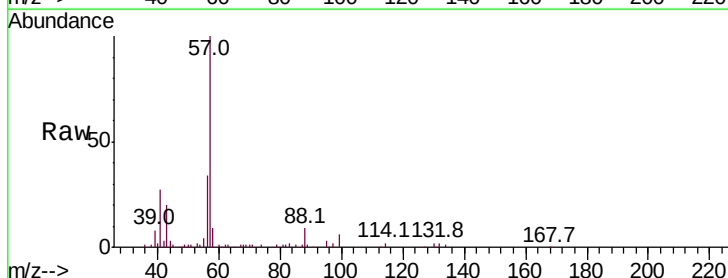
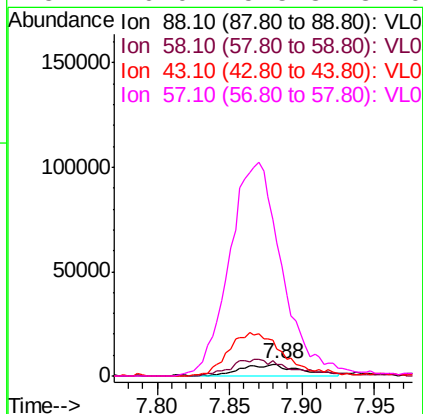
Manual Integrations
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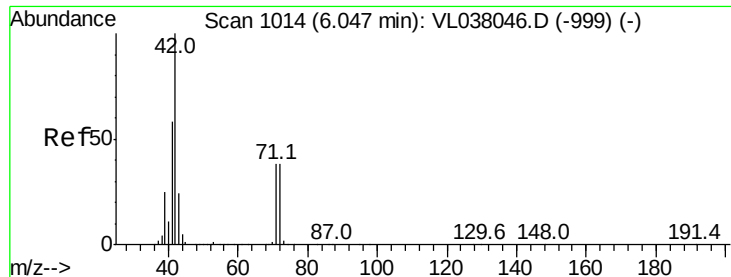
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#40
 1,4-Dioxane
 Concen: 0.614 ppbv m
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.05 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion: 88 Resp: 15903
 Ion Ratio Lower Upper
 88 100
 58 0.0 229.2 343.8#
 43 0.0 553.3 829.9#
 57 0.0 2513.8 3770.8#





#41

Tetrahydrofuran

Concen: 0.591 ppbv m

RT: 6.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

42 100

72 37.

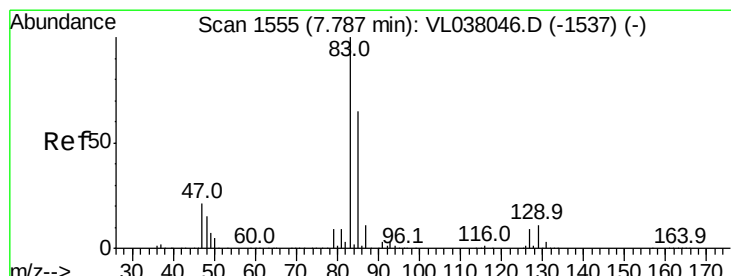
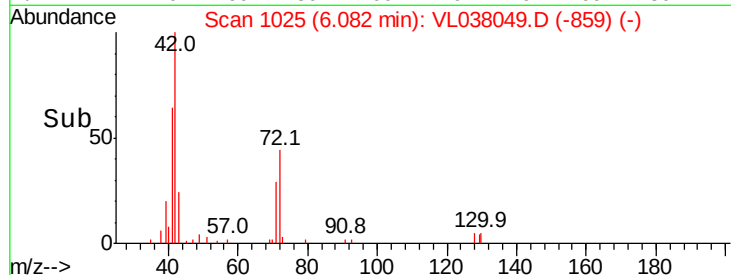
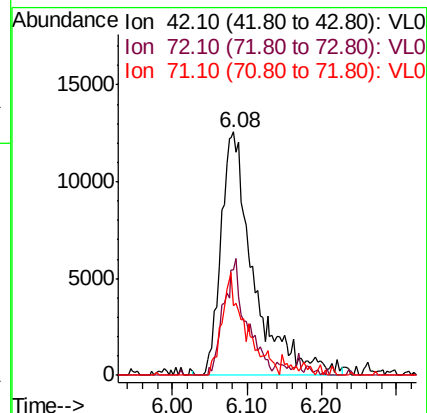
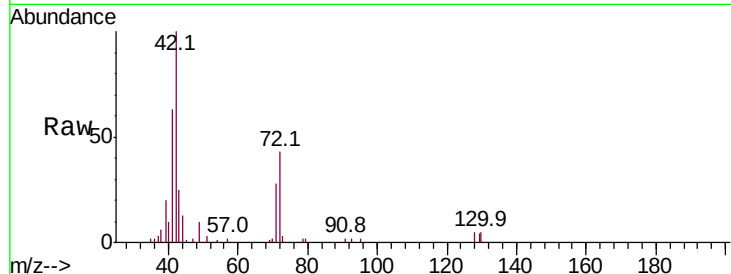
71 30.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#42

Bromodichloromethane

Concen: 0.535 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

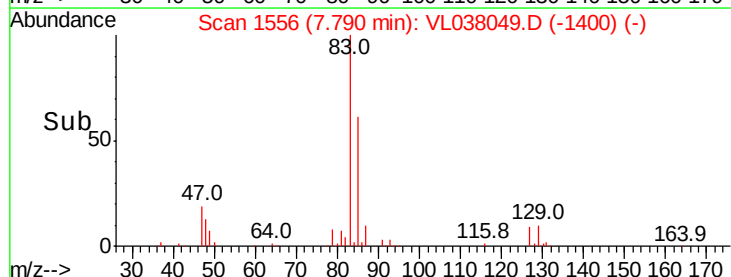
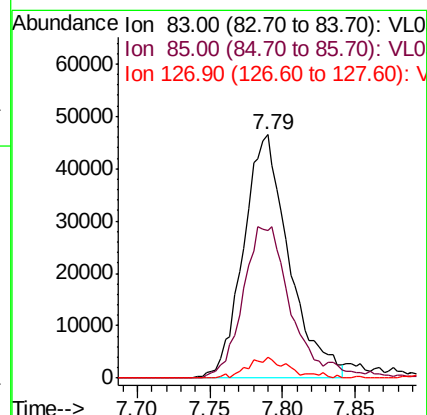
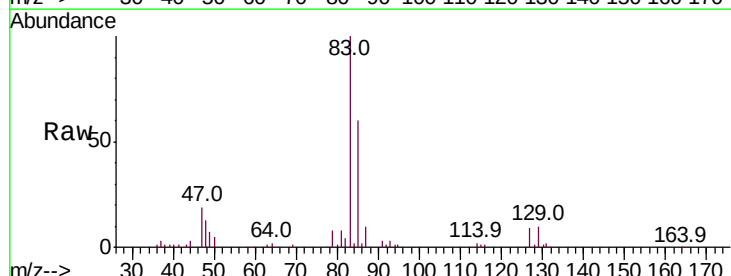
Tgt Ion: 83 Resp: 101637

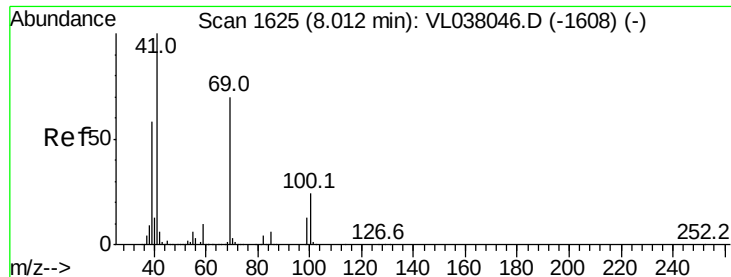
Ion Ratio Lower Upper

83 100

85 60.4 51.9 77.9

127 8.5 6.8 10.2



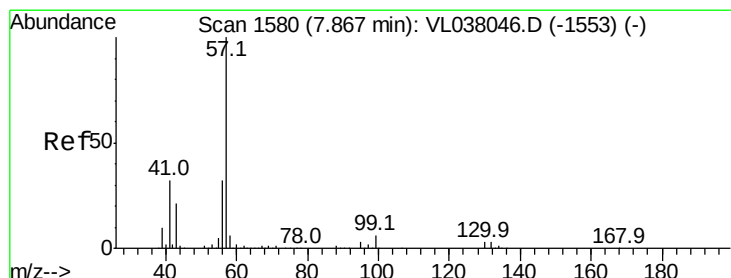
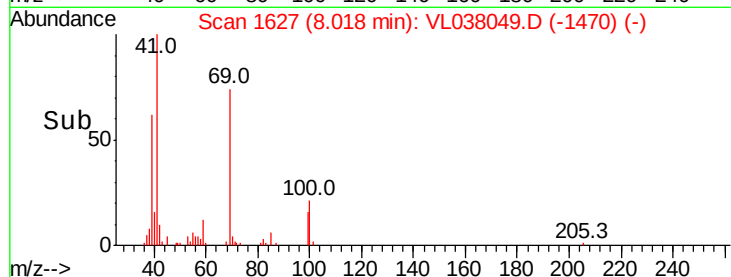
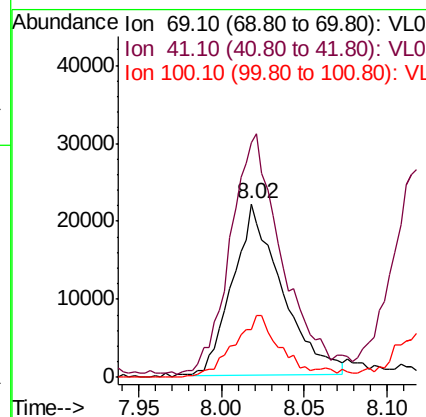
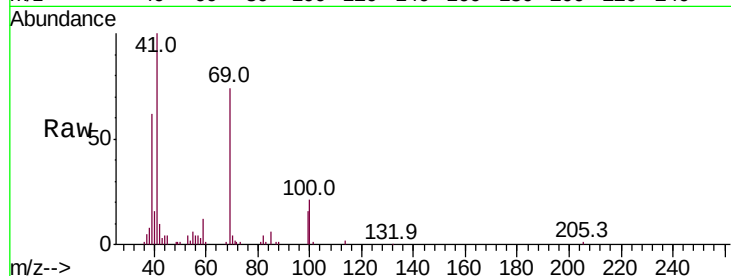


#43
Methyl Methacrylate
Concen: 0.491 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 10:41

Tot Ion:
Ion Ratio
69 100
41 155.
100 36.

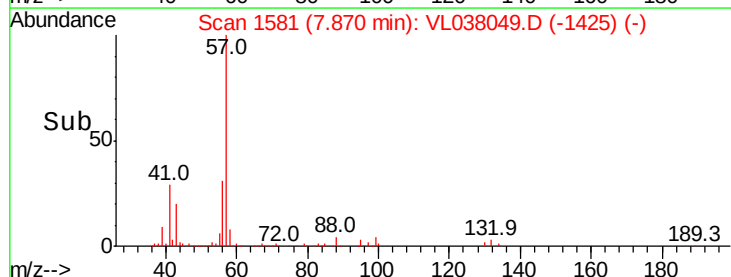
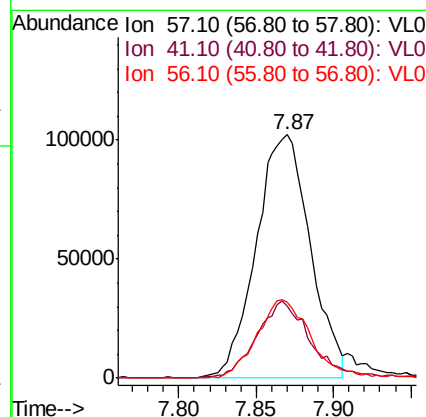
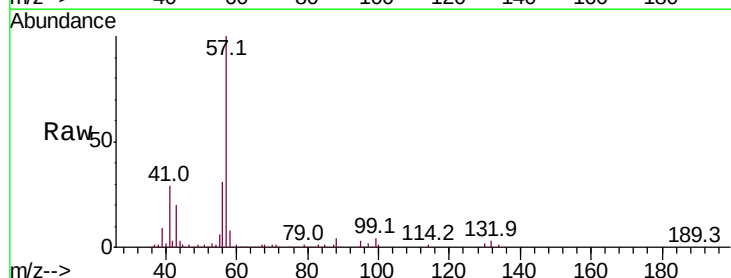
Manual Integrations
APPROVED

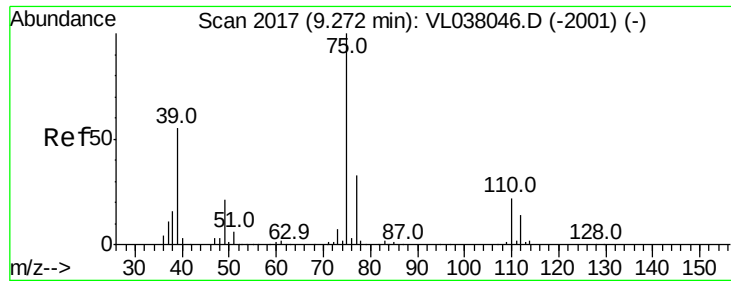
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#44
2,2,4-Trimethylpentane
Concen: 0.557 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion: 57 Resp: 248673
Ion Ratio Lower Upper
57 100
41 32.1 25.8 38.6
56 32.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.427 ppbv m

RT: 9.28 Instrument :

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:41 VSTDIC0.5

Tot Ion:

Ion Ratio

75 100

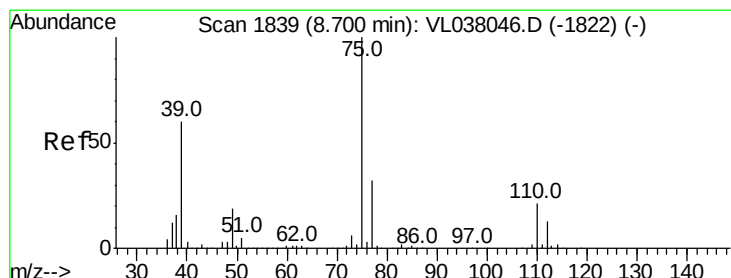
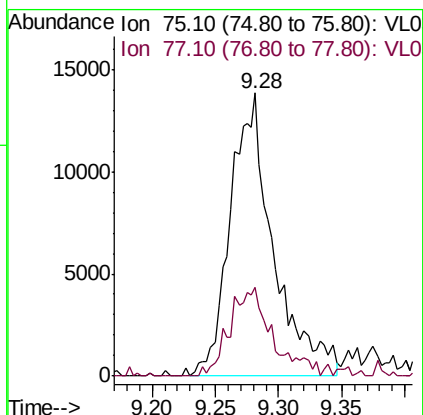
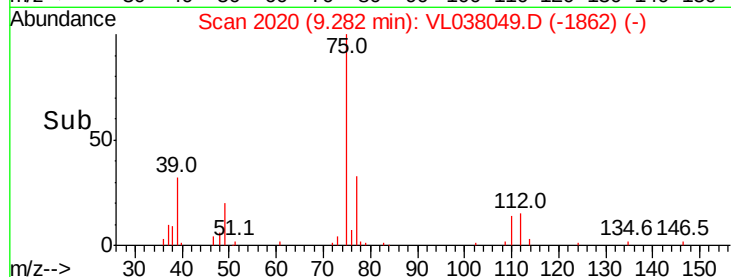
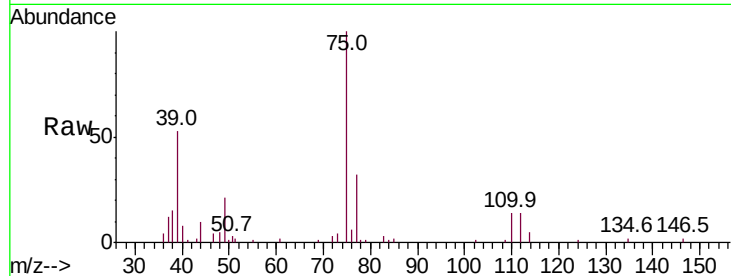
77 31.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#46

cis-1,3-Dichloropropene

Concen: 0.484 ppbv m

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

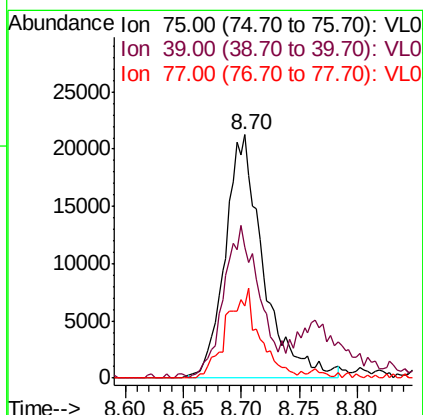
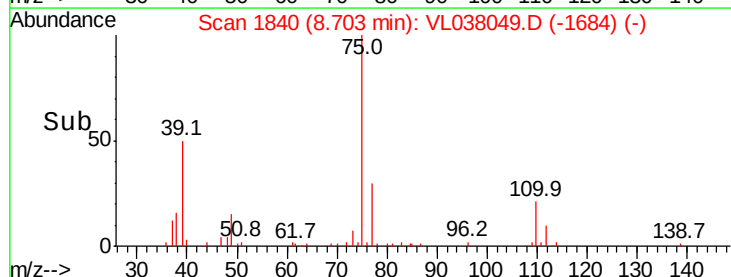
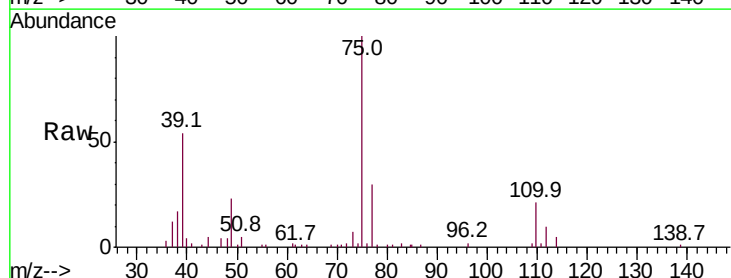
Tgt Ion: 75 Resp: 48547

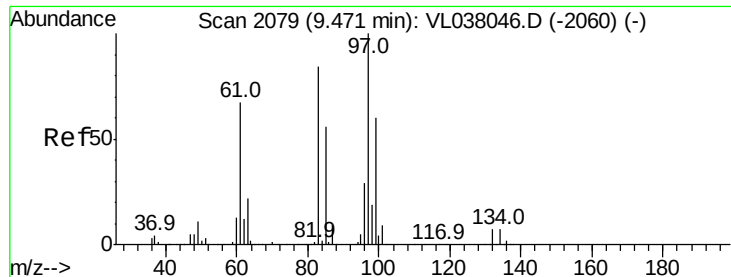
Ion Ratio Lower Upper

75 100

39 53.9 47.8 71.8

77 29.6 25.5 38.3



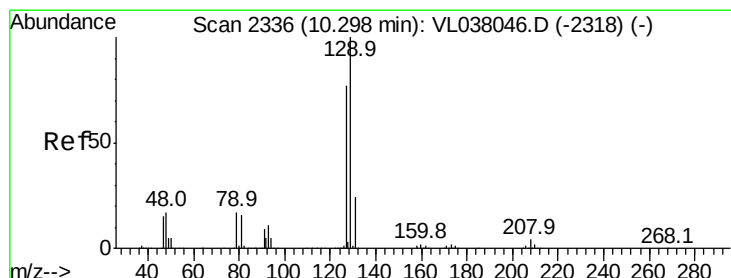
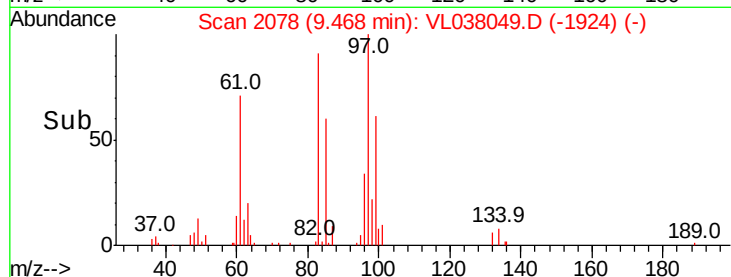
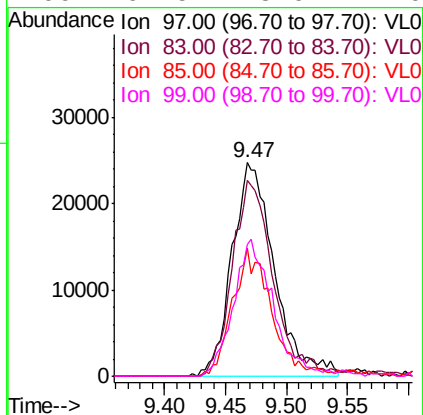
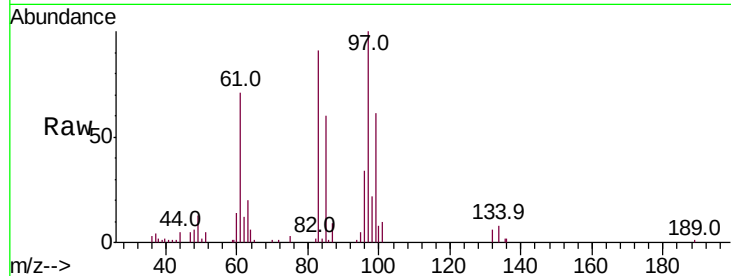


#47
 1,1,2-Trichloroethane
 Concen: 0.581 ppbv m
 RT: 9.47 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC005
 Acq: 18 Nov 2021 10:41

Tot Ion:
 Ion Ratio
 97 100
 83 91.
 85 60.
 99 61.5 48.0 72.0

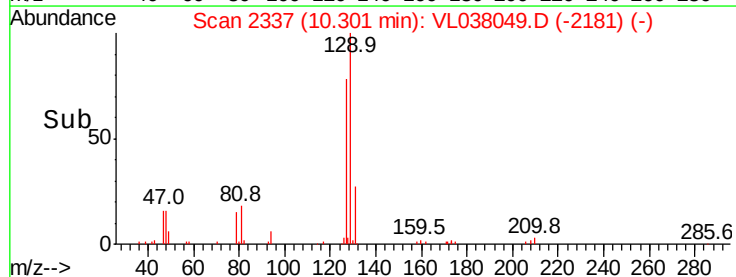
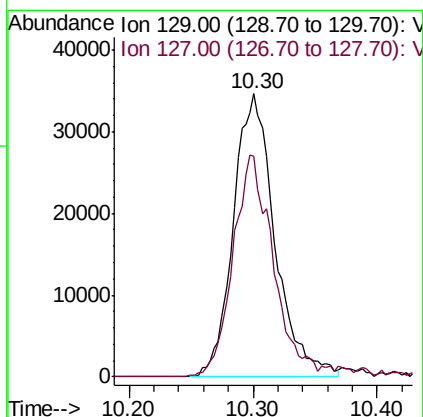
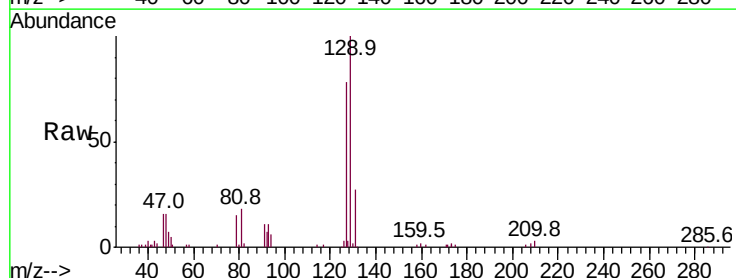
Manual Integrations
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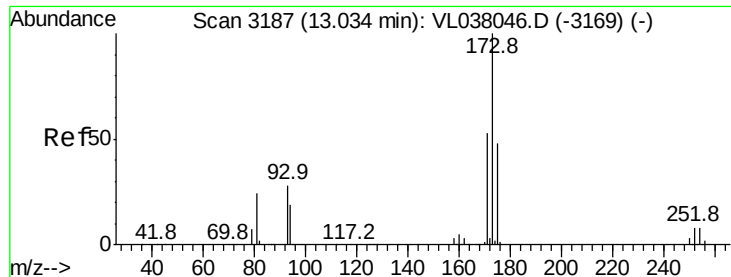
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#48
 Dibromochloromethane
 Concen: 0.485 ppbv m
 RT: 10.30 min Scan# 2337
 Delta R.T.: 0.00 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion:129 Resp: 80417
 Ion Ratio Lower Upper
 129 100
 127 80.0 39.4 118.1





#49

Bromoform

Concen: 0.413 ppbv

RT: 13.04

Delta R.T.

Lab File:

Acq: 18 Nov 2021 10:41

Instrument:

MSVOA_L

ClientSampleId:

VSTDIC0.5

Tot Ion:1

Ion Ratio

173 100

175 52.

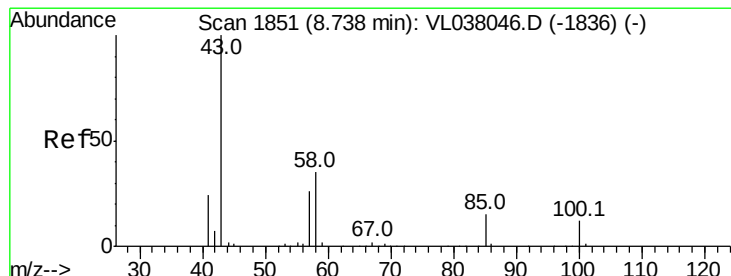
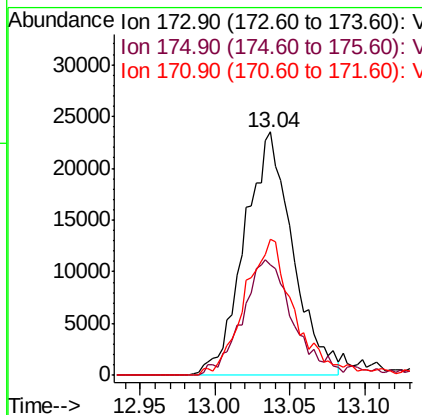
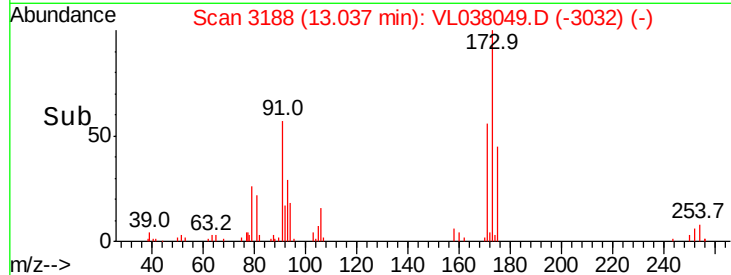
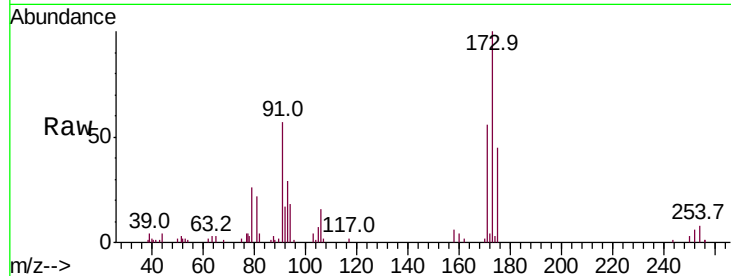
171 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#50

4-Methyl-2-Pentanone

Concen: 0.531 ppbv m

RT: 8.77 min Scan# 1860

Delta R.T. 0.03 min

Lab File: VL038049.D

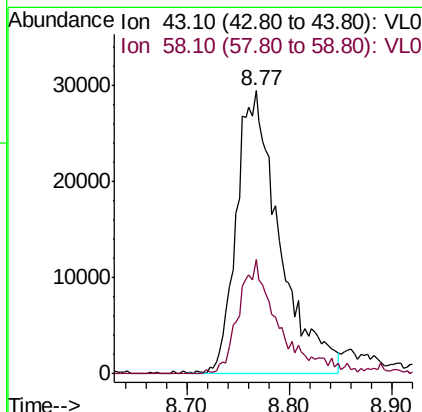
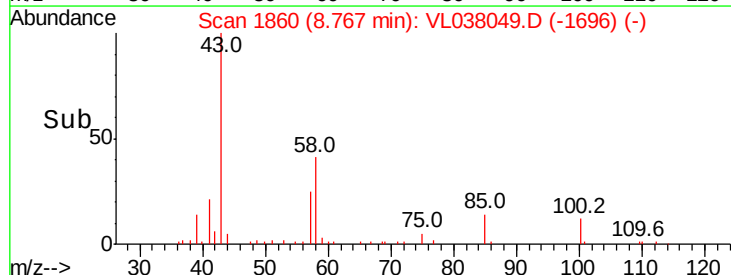
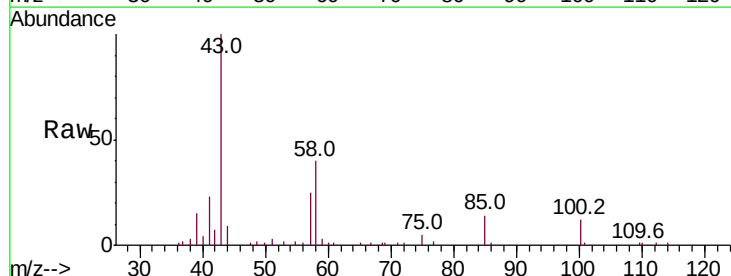
Acq: 18 Nov 2021 10:41

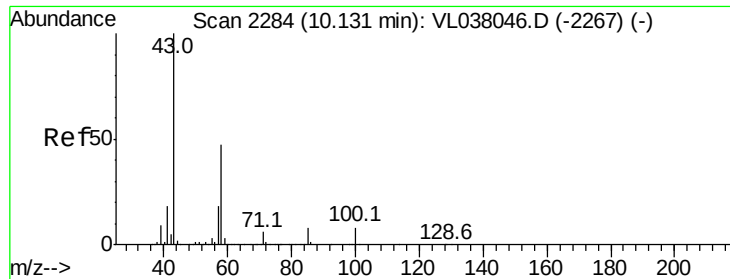
Tgt Ion: 43 Resp: 86290

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#





#51

2-Hexanone

Concen: 0.517 ppbv m

RT: 10.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

43 100

58 40.

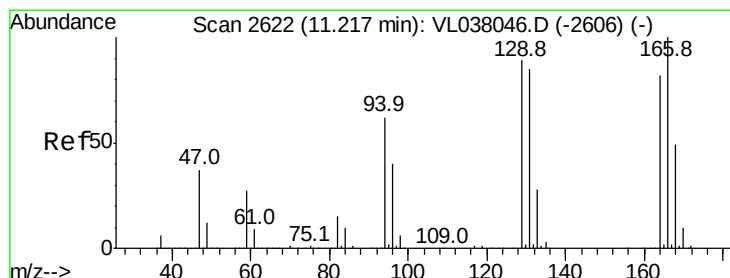
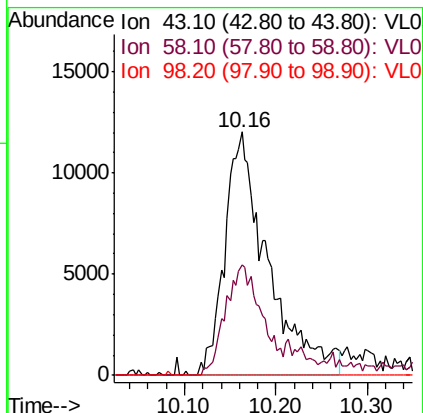
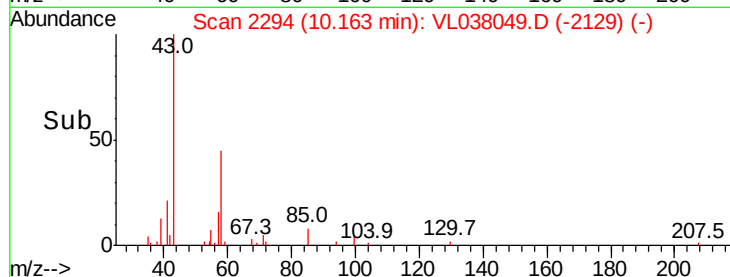
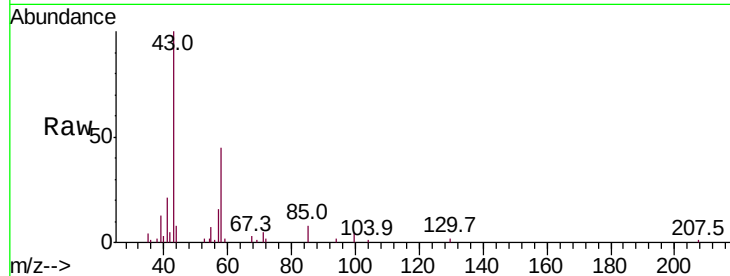
98 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#52

Tetrachloroethene

Concen: 0.531 ppbv m

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

Tgt Ion:164 Resp: 52113

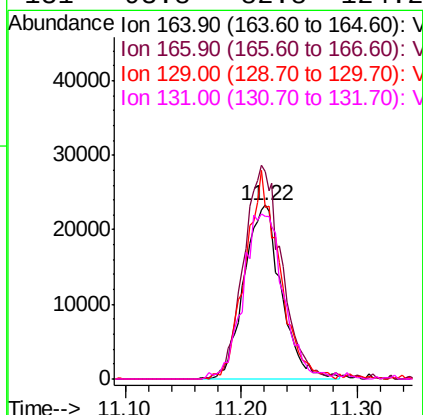
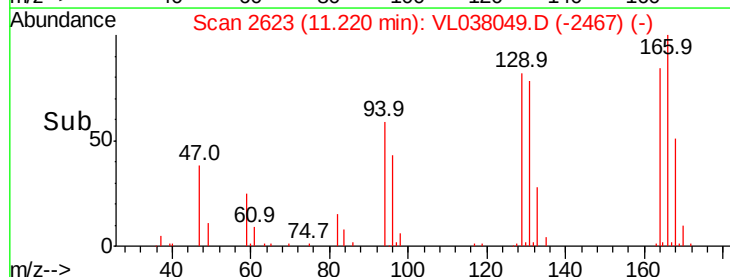
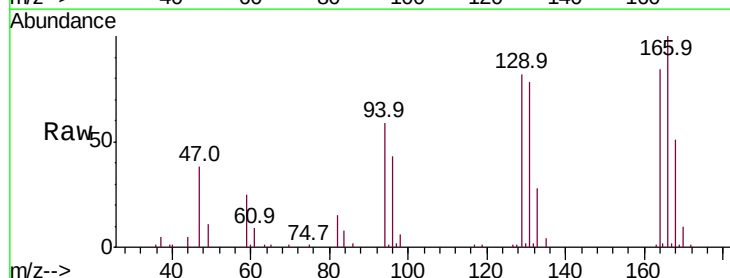
Ion Ratio Lower Upper

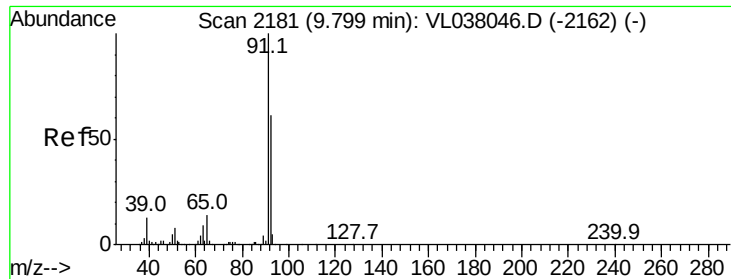
164 100

166 119.7 97.2 145.8

129 98.6 86.9 130.3

131 93.8 82.8 124.2





#53

Toluene

Concen: 0.557 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

91 100

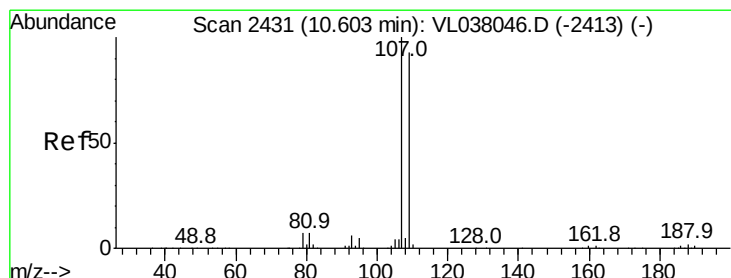
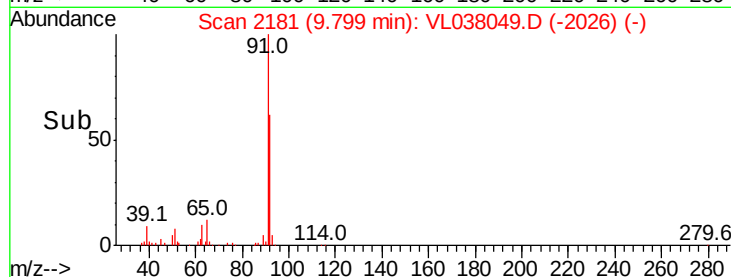
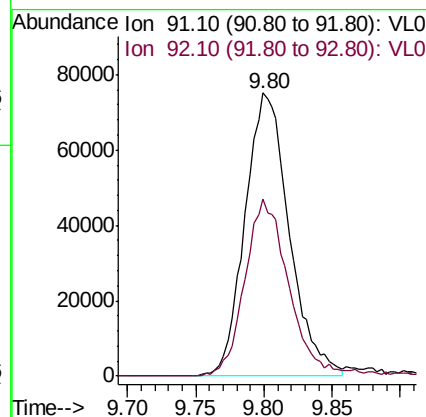
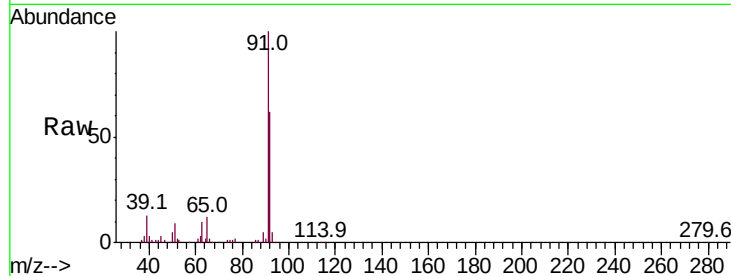
92 63.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#54

1,2-Dibromoethane

Concen: 0.554 ppbv m

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL038049.D

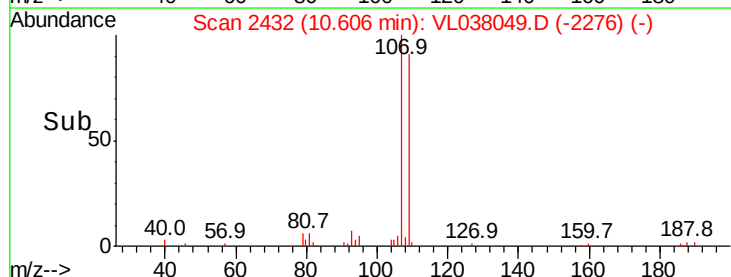
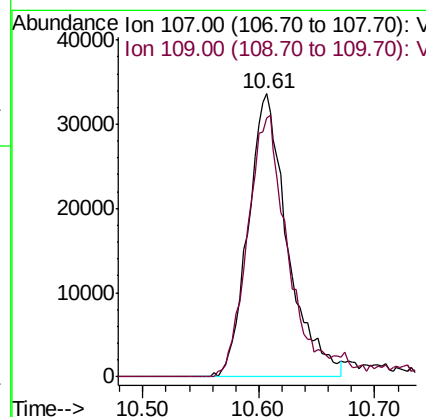
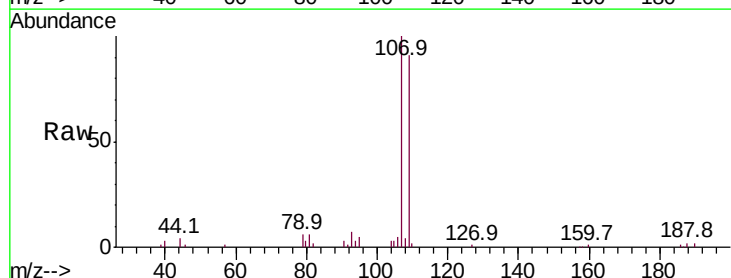
Acq: 18 Nov 2021 10:41

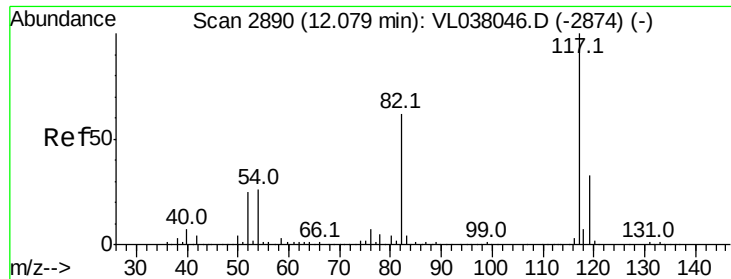
Tgt Ion:107 Resp: 79237

Ion Ratio Lower Upper

107 100

109 91.3 74.6 111.8



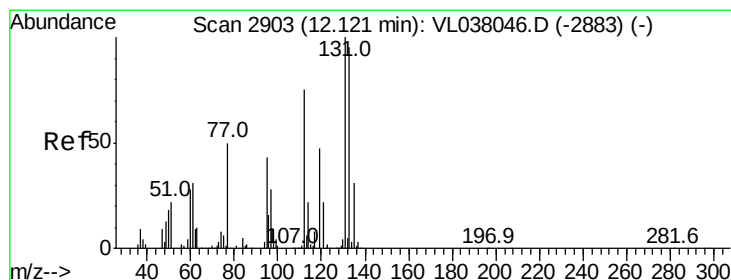
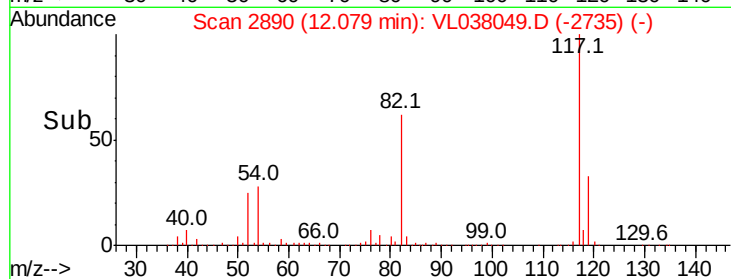
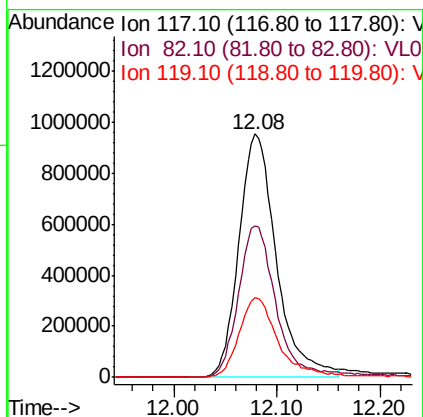
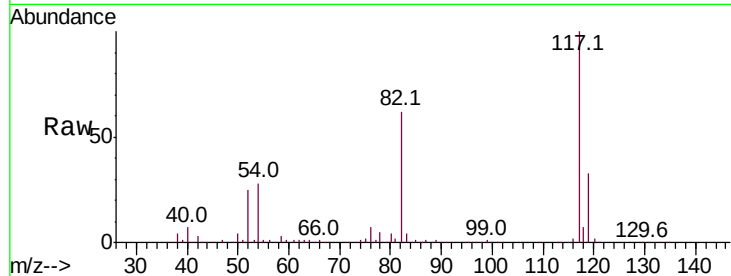


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 10:41

Tot Ion:1
Ion Rati
117 100
82 64.
119 34.

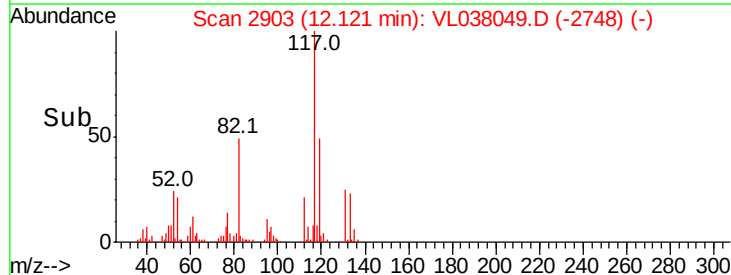
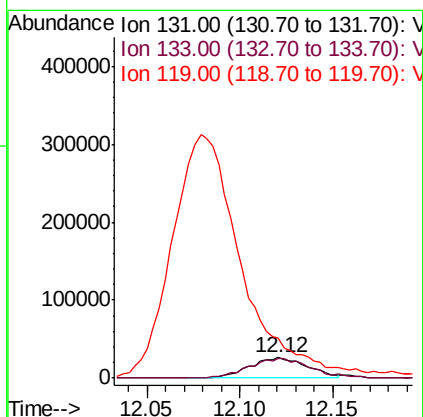
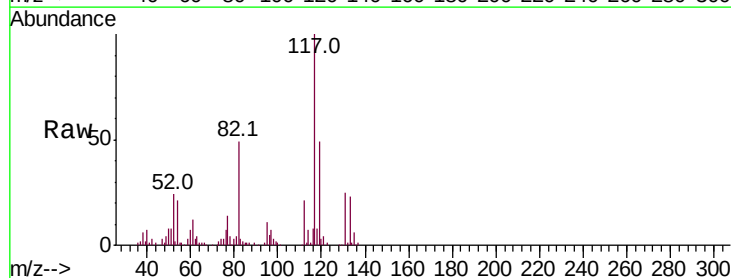
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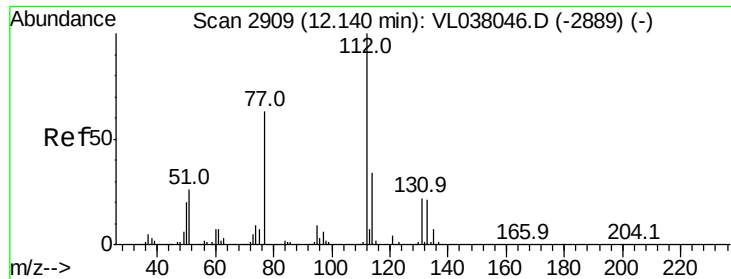
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#56
1,1,1,2-Tetrachloroethane
Concen: 0.546 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion:131 Resp: 57616
Ion Ratio Lower Upper
131 100
133 102.5 78.8 118.2
119 1478.3 56.3 84.5#



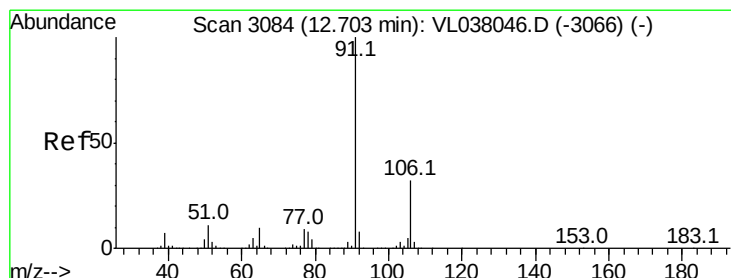
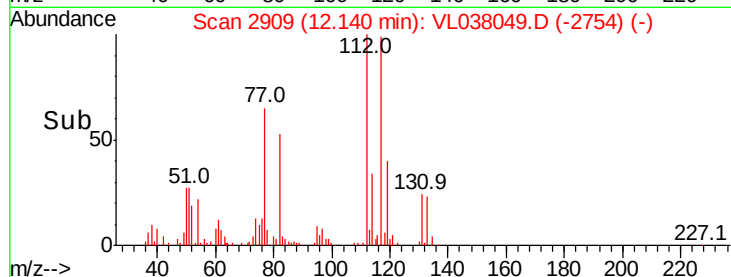
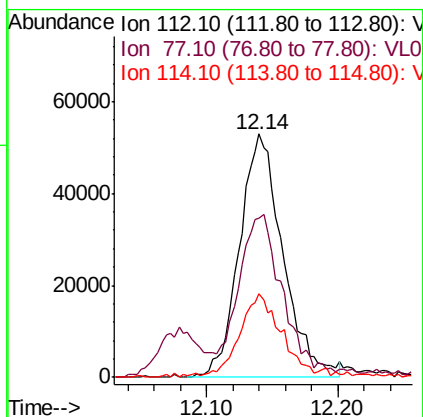
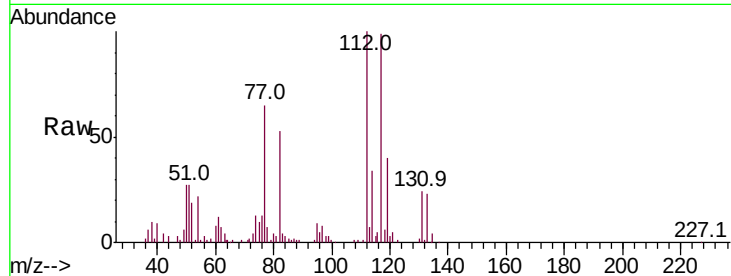


#57
Chlorobenzene
Concen: 0.615 ppbv m
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 10:41

Tot Ion: 1
Ion Ratio
112 100
77 65.
114 34.

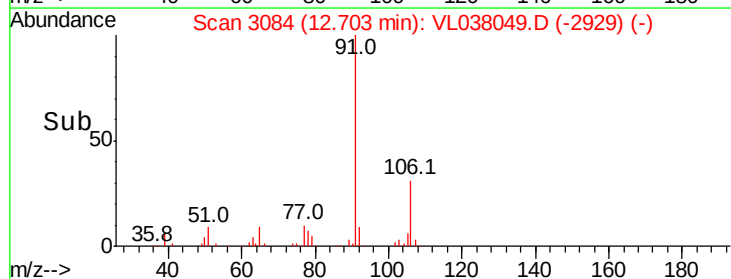
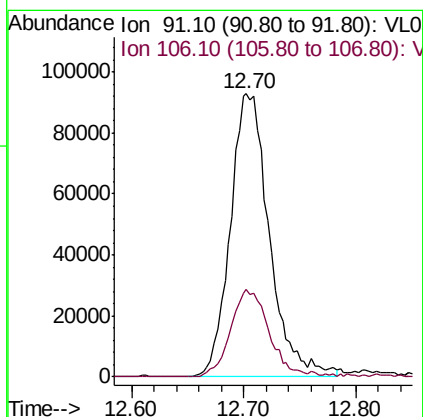
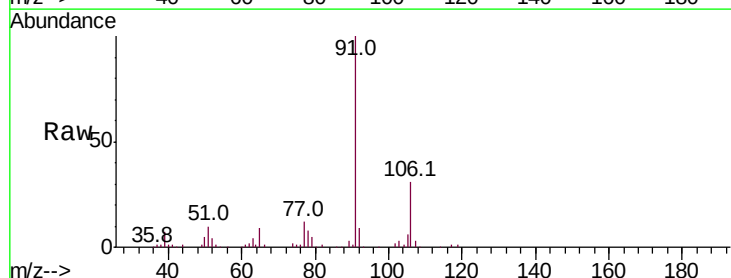
Manual Integrations
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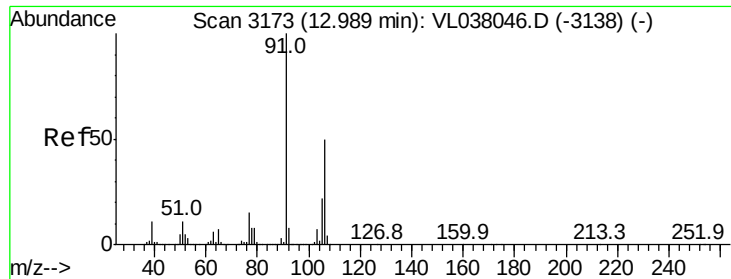
Reviewed By : Semsettin Yesilyurt 11/25/2021
Supervised By : Mahesh Dadoda 11/29/2021



#58
Ethyl Benzene
Concen: 0.614 ppbv m
RT: 12.70 min Scan# 3084
Delta R.T.: -0.00 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion: 91 Resp: 225114
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.6



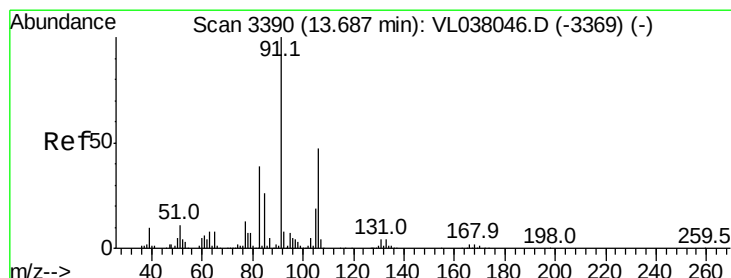
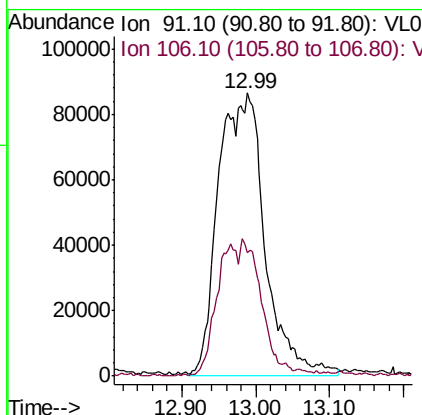
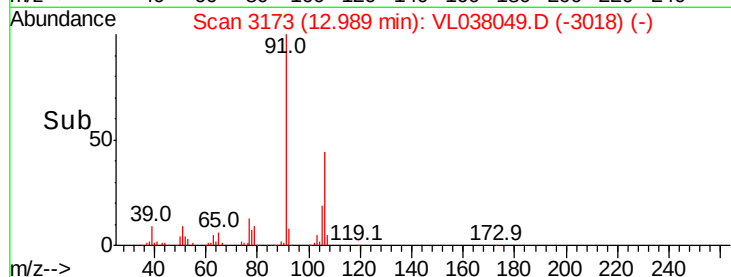
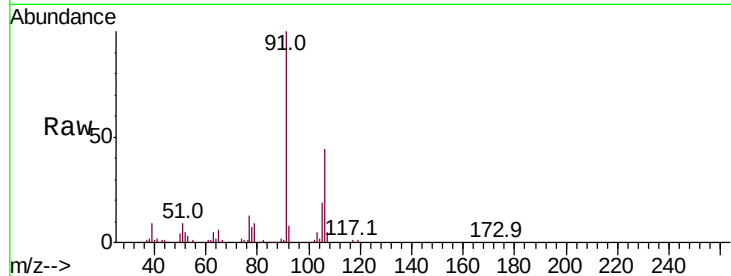


#59
m/p-Xylene
Concen: 1.245 ppbv m
RT: 12.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.5
Acq: 18 Nov 2021 10:41

Tot Ion:
Ion Ratio
91 100
106 0.

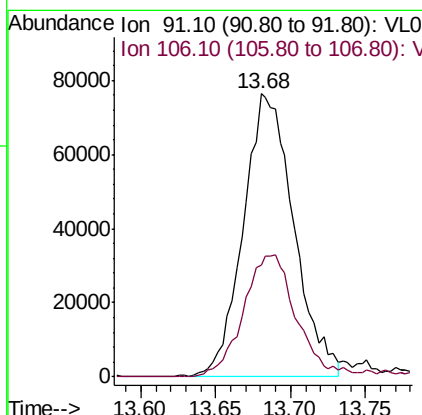
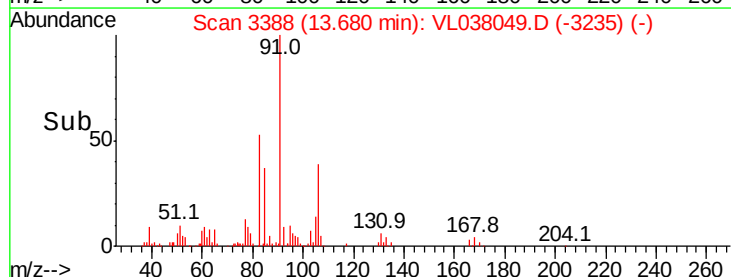
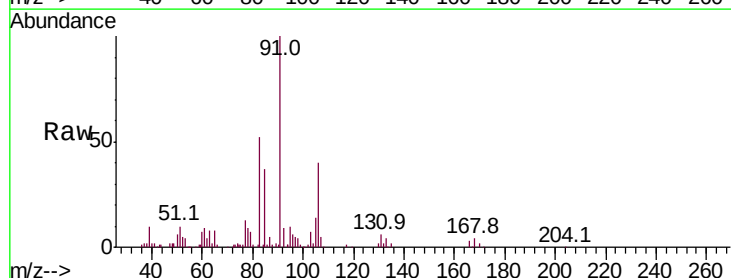
Manual Integrations
APPROVED

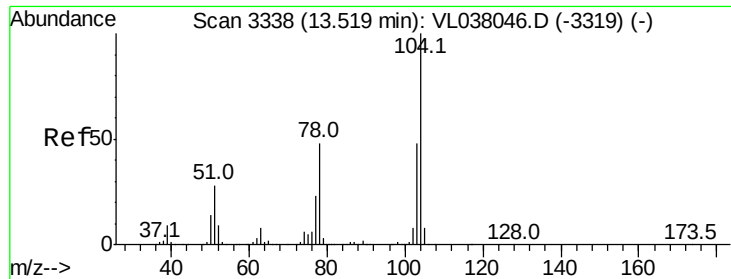
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#60
o-Xylene
Concen: 0.627 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion: 91 Resp: 177511
Ion Ratio Lower Upper
91 100
106 46.4 24.2 72.6



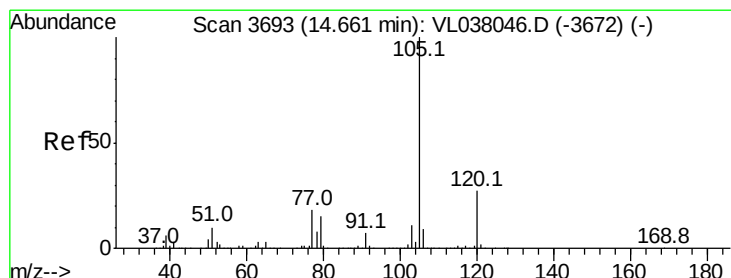
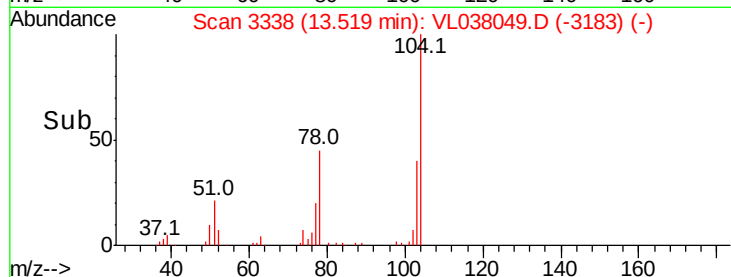
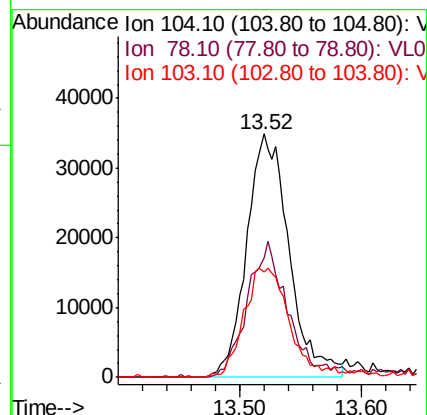
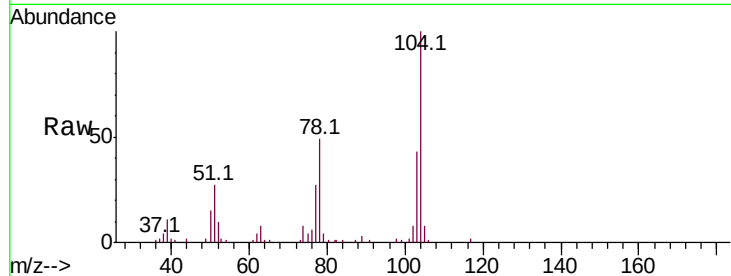


#61
Stvrene
Concen: 0.531 ppbv m
RT: 13.52
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 18 Nov 2021 10:41
VSTDIC0.5

Tot Ion:1
Ion Rati
104 100
78 53.
103 50.

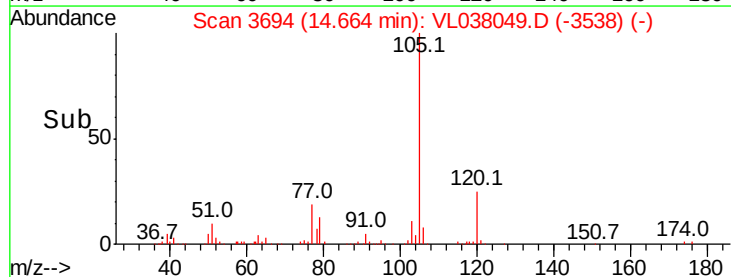
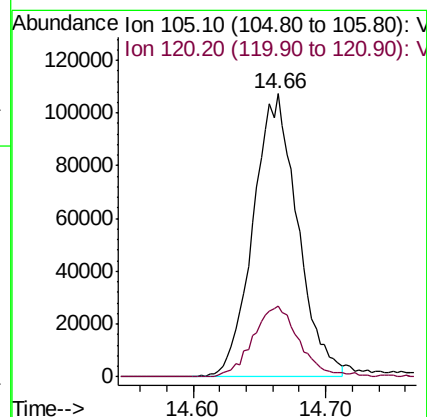
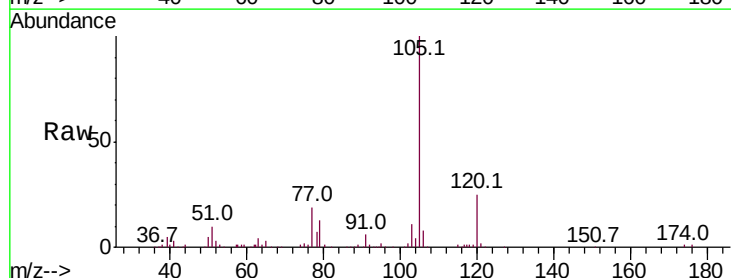
Manual Integrations
APPROVED

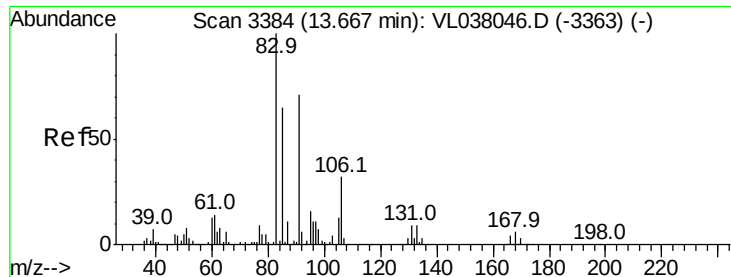
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



#62
Isopropylbenzene
Concen: 0.613 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion:105 Resp: 250766
Ion Ratio Lower Upper
105 100
120 26.6 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 0.586 ppbv m

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:41

Tot Ion:

Ion Ratio

83 100

131 9.

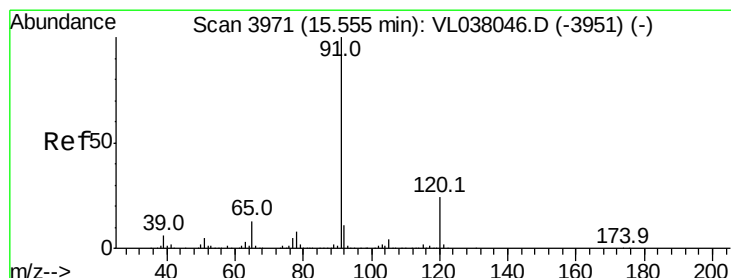
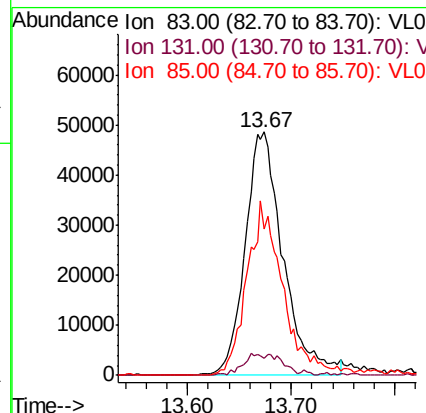
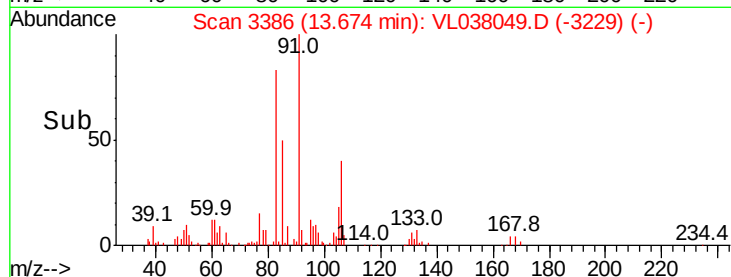
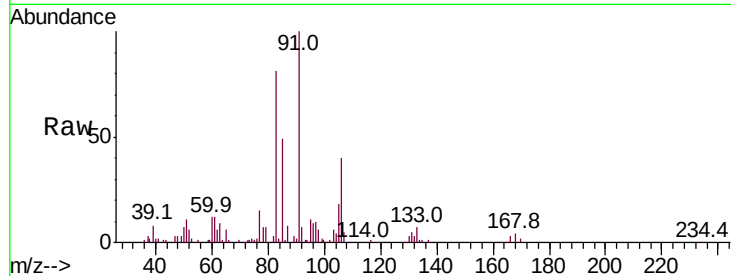
85 69.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#64

n-propylbenzene

Concen: 0.617 ppbv m

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038049.D

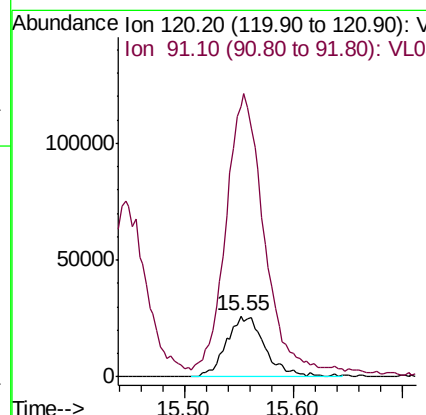
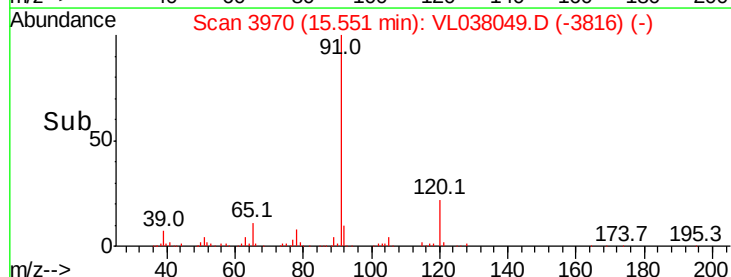
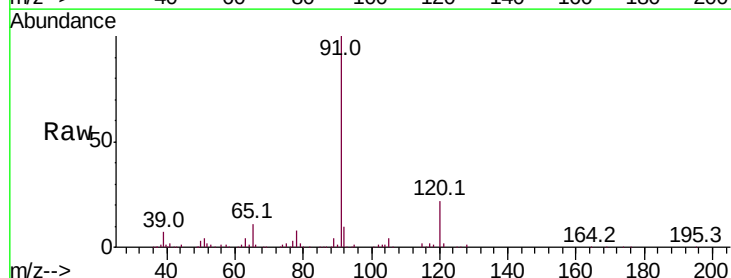
Acq: 18 Nov 2021 10:41

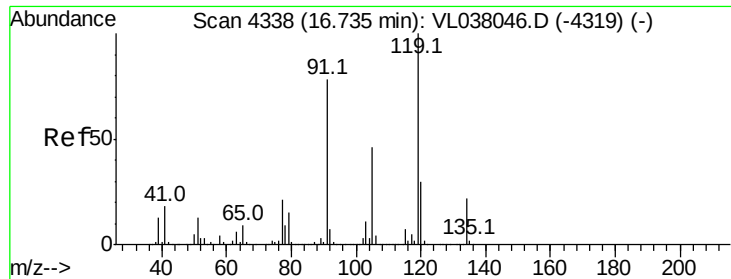
Tgt Ion:120 Resp: 64338

Ion Ratio Lower Upper

120 100

91 475.6 371.7 557.5





#65

tert-Butylbenzene

Concen: 0.639 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41

Tot Ion:1

Ion Rati

119 100

91 79.

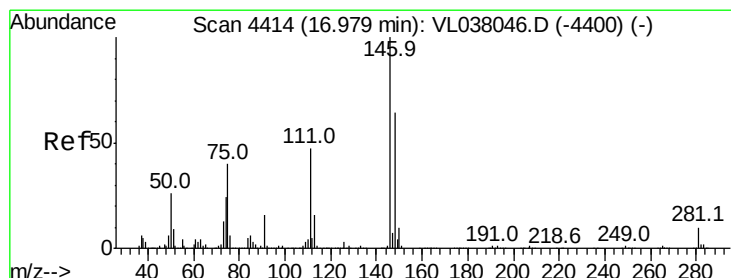
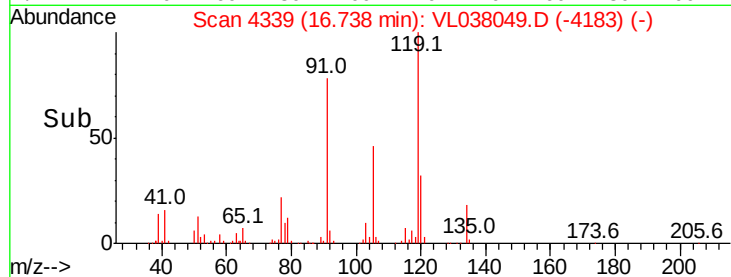
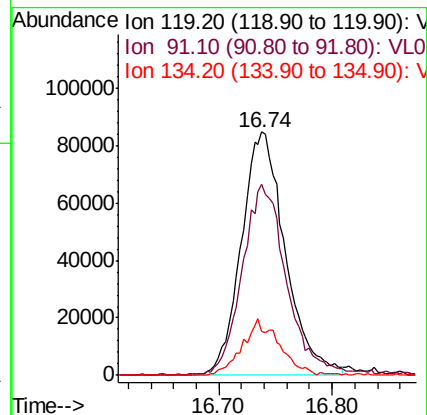
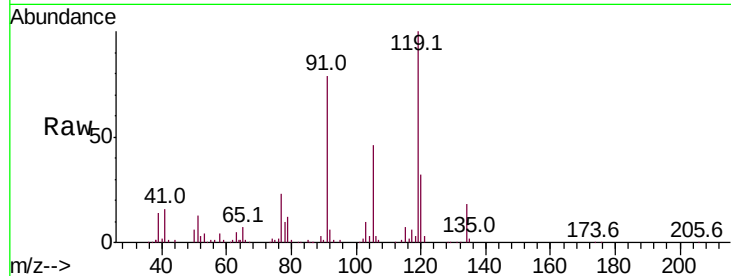
134 19.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#66

Benzyl Chloride

Concen: 0.380 ppbv m

RT: 16.98 min Scan# 4414

Delta R.T. -0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

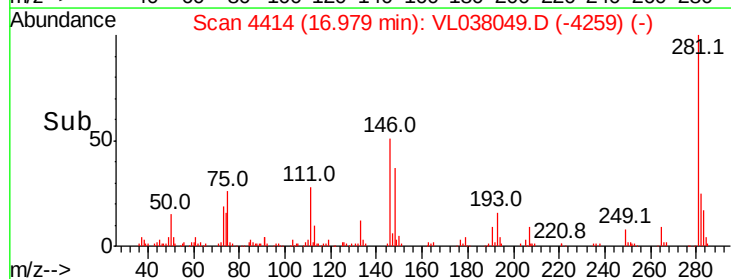
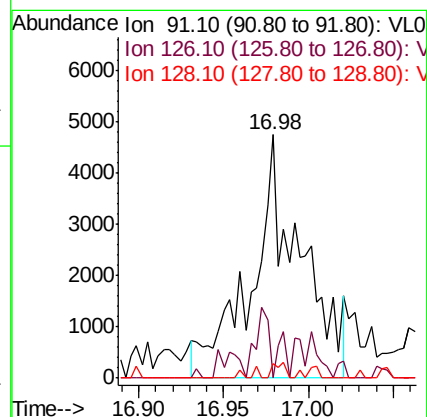
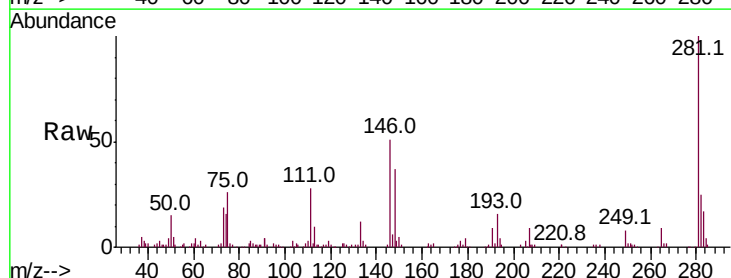
Tgt Ion: 91 Resp: 9530

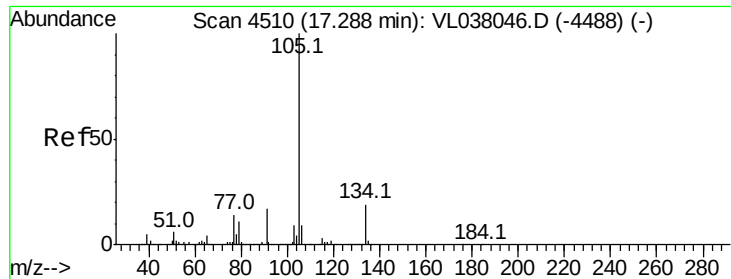
Ion Ratio Lower Upper

91 100

126 15.3 15.5 23.3#

128 2.7 5.6 8.4#





#67

sec-Butylbenzene

Concen: 0.643 ppbv m

RT: 17.29

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 18 Nov 2021 10:41

Tot Ion:1

Ion Ratio

105 100

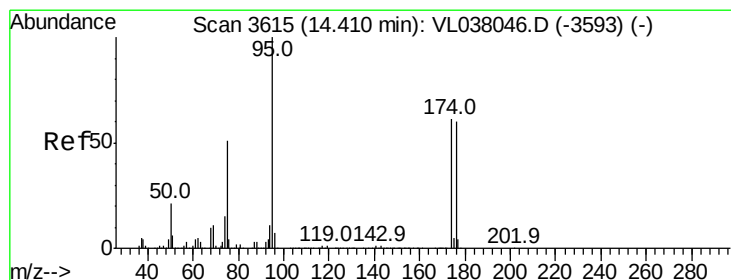
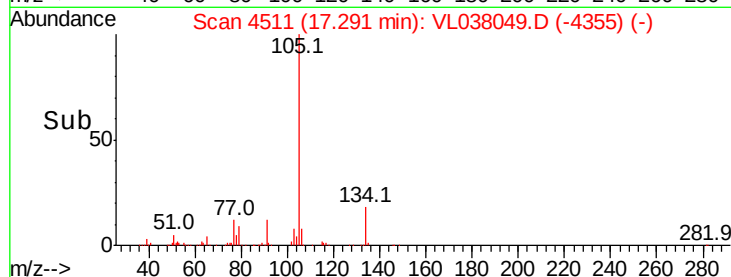
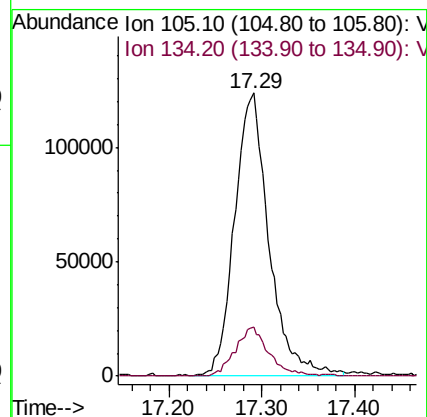
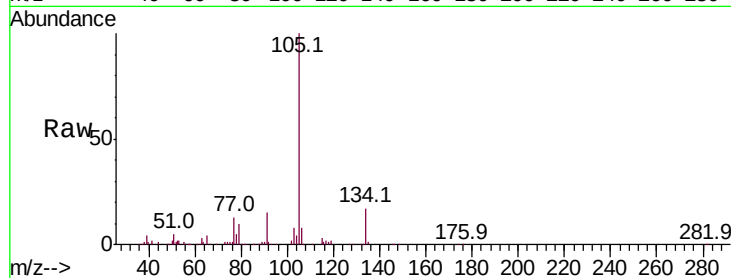
134 17.

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Reviewed By :Semsettin Yesilyurt 11/25/2021

Supervised By :Mahesh Dadoda 11/29/2021



#68

1-Bromo-4-Fluorobenzene

Concen: 10.044 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

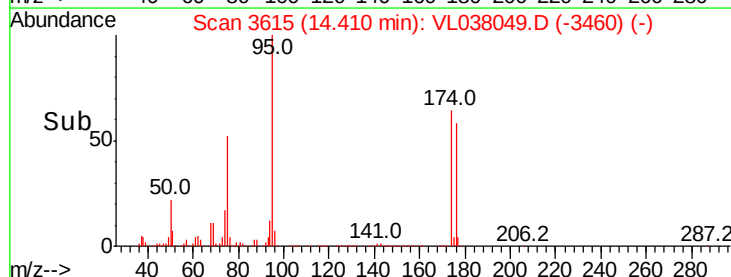
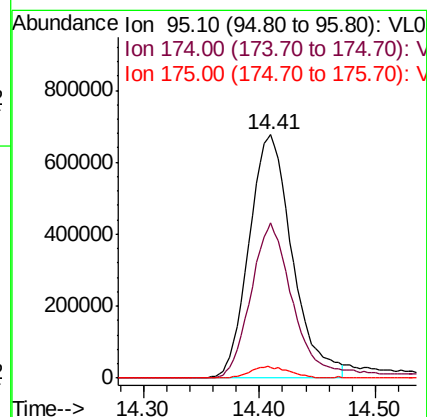
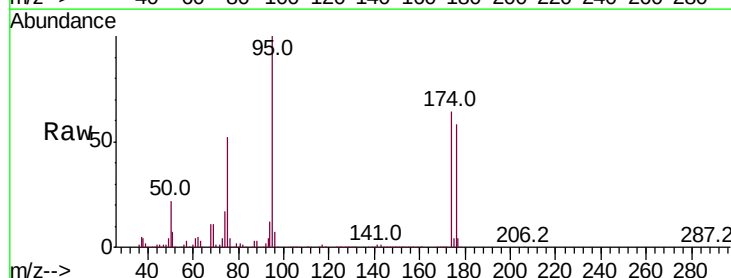
Tgt Ion: 95 Resp: 1752626

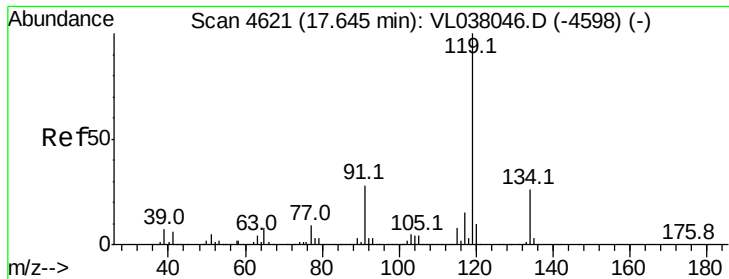
Ion Ratio Lower Upper

95 100

174 66.1 53.1 79.7

175 4.6 4.0 6.0



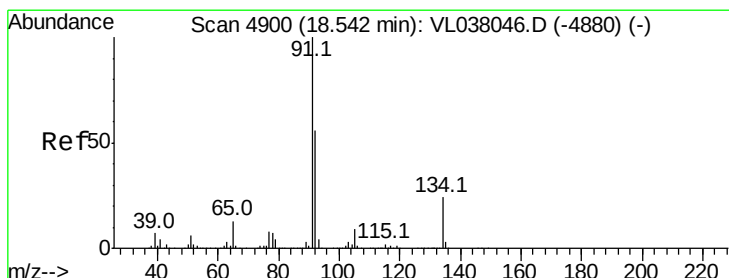
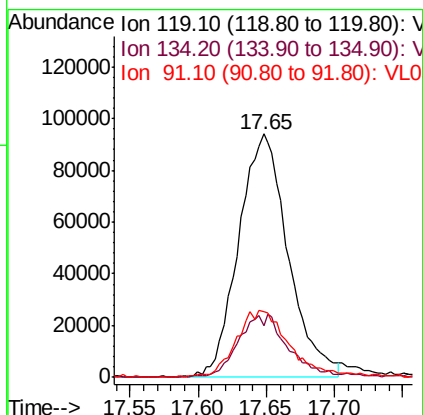
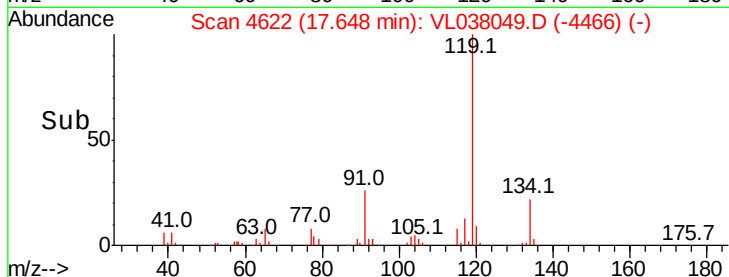
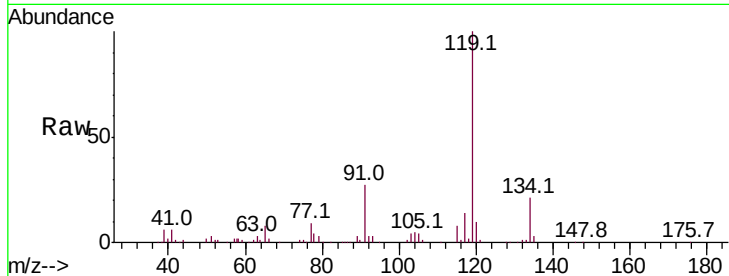


#69
 p-Isopropyltoluene
 Concen: 0.586 ppbv
 RT: 17.65
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:1
 Ion Rati
 119 100
 134 26.
 91 31.

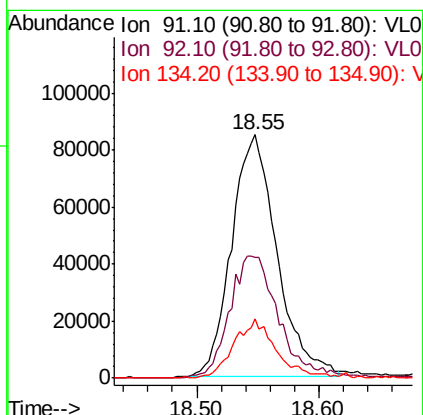
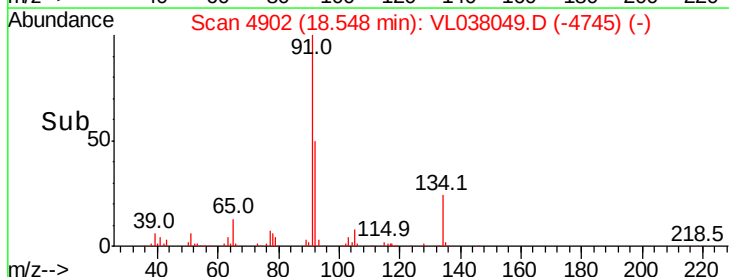
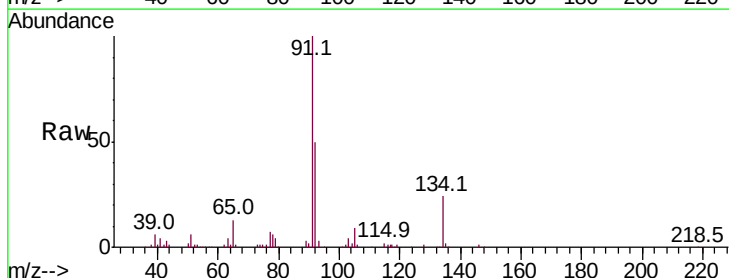
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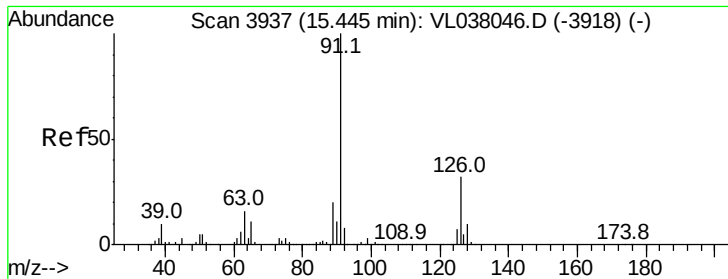
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#70
 n-Butylbenzene
 Concen: 0.600 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion: 91 Resp: 220007
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.1 66.1
 134 23.3 18.9 28.3



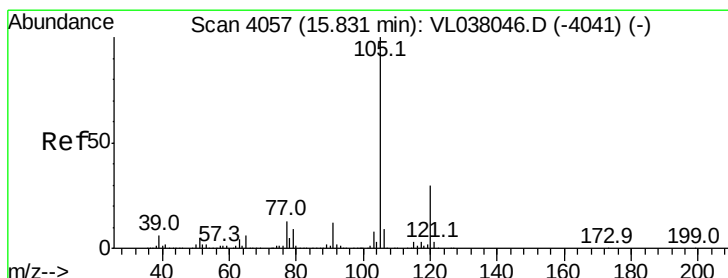
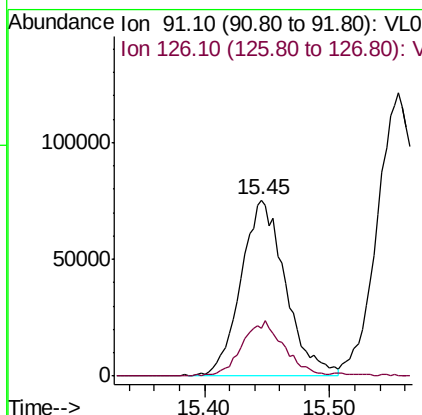
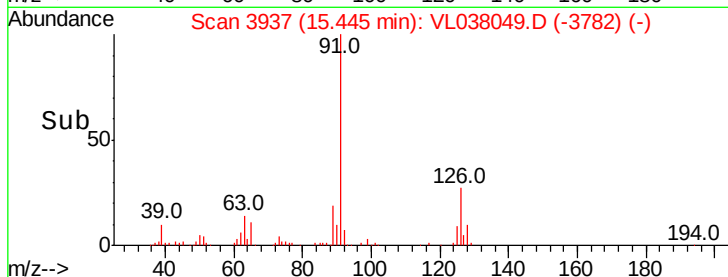
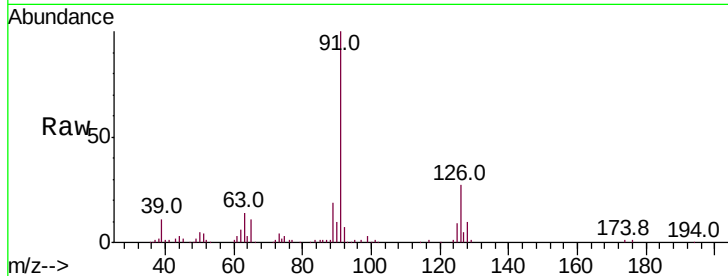


#71
 2-Chlorotoluene
 Concen: 0.636 ppbv
 RT: 15.45
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:
 Ion Ratio
 91 100
 126 31.

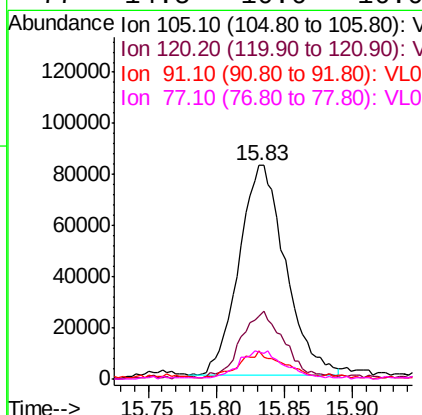
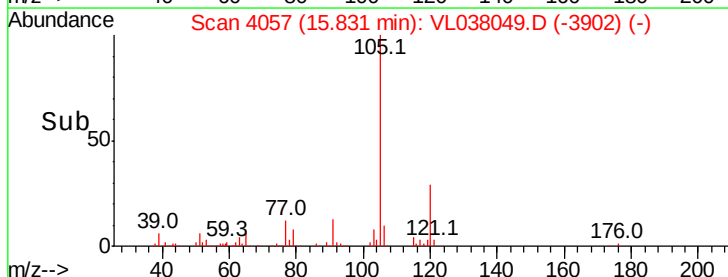
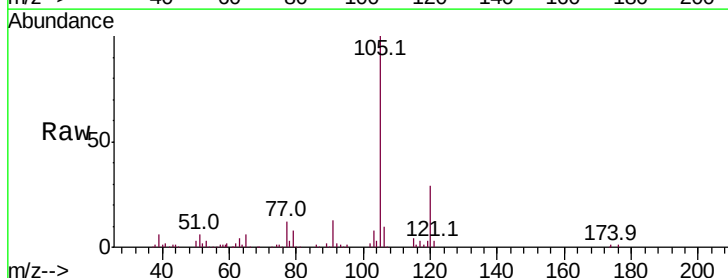
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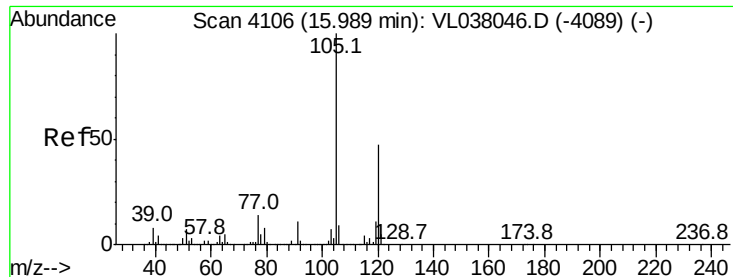
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#72
 4-Ethyltoluene
 Concen: 0.576 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. -0.00 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion:105 Resp: 194259
 Ion Ratio Lower Upper
 105 100
 120 31.9 25.1 37.7
 91 12.4 9.7 14.5
 77 14.5 10.6 16.0



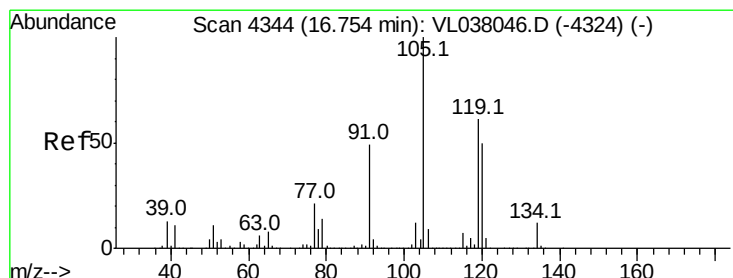
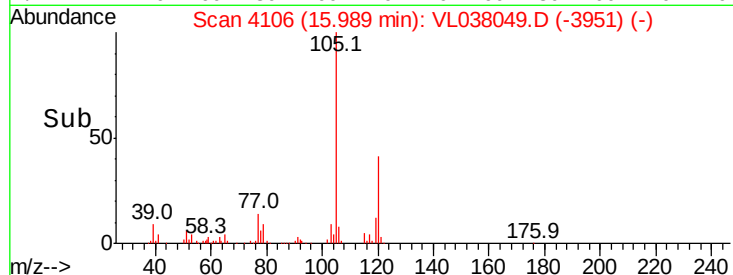
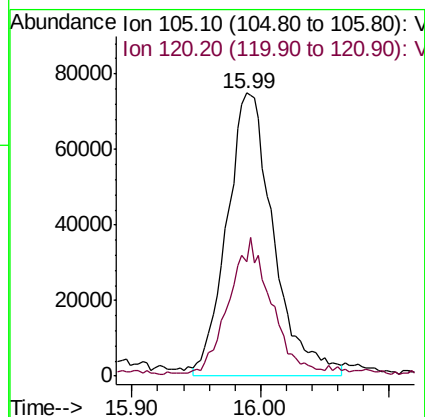
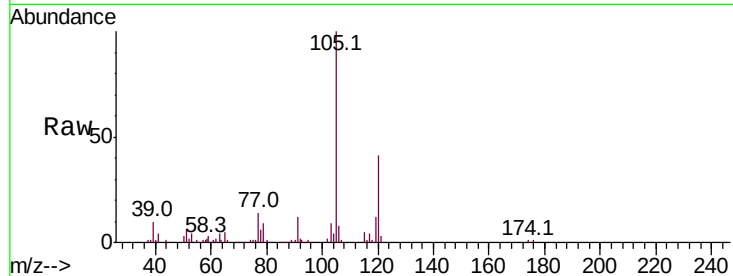


#73
 1,3,5-Trimethylbenzene
 Concen: 0.614 ppbv m
 RT: 15.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:1
 Ion Rati
 105 100
 120 40.

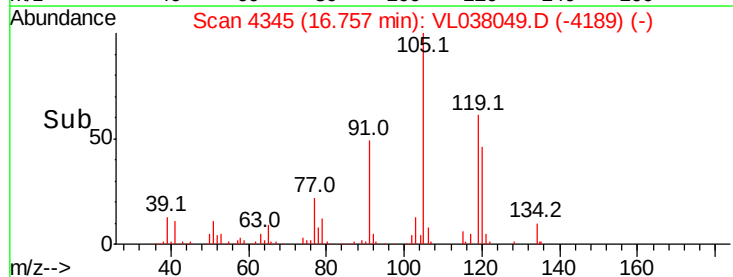
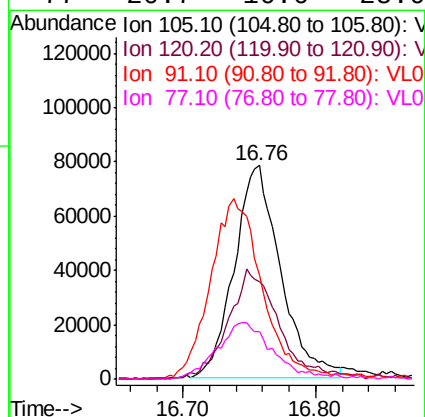
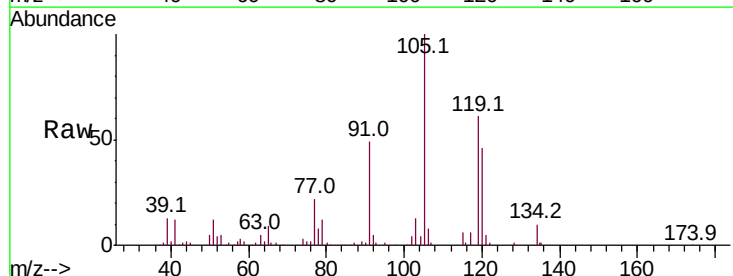
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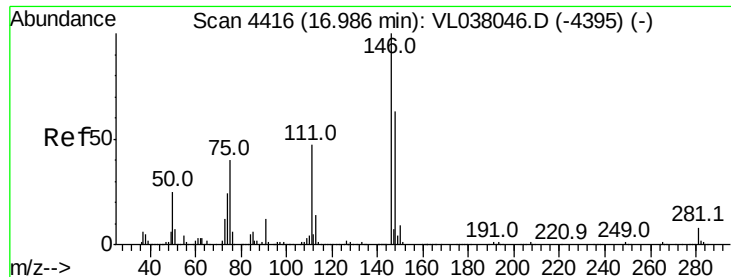
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#74
 1,2,4-Trimethylbenzene
 Concen: 0.609 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion:105 Resp: 189202
 Ion Ratio Lower Upper
 105 100
 120 43.8 40.1 60.1
 91 46.9 39.8 59.8
 77 20.7 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 0.598 ppbv m

RT: 16.99

Delta R.T. MSVOA_L

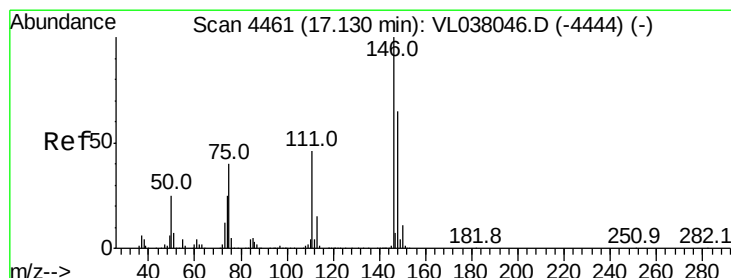
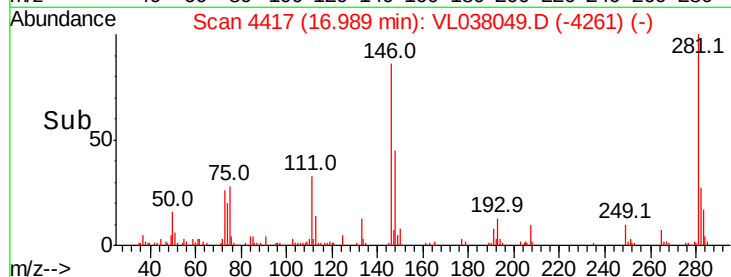
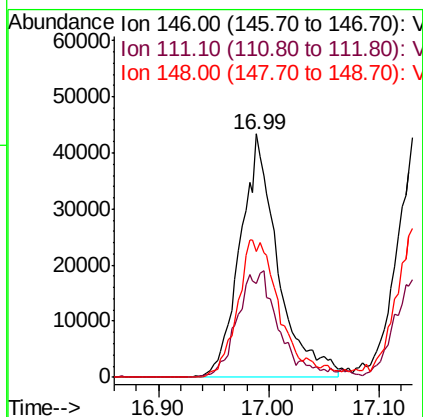
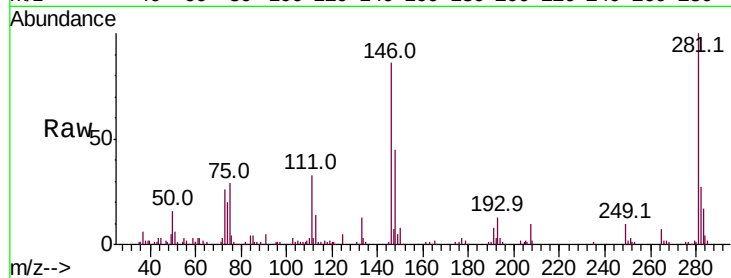
Lab File: ClientSampleId:

Acq: 18 Nov 2021 10:41 VSTDIC0.5

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

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



#76

1,4-Dichlorobenzene

Concen: 0.589 ppbv m

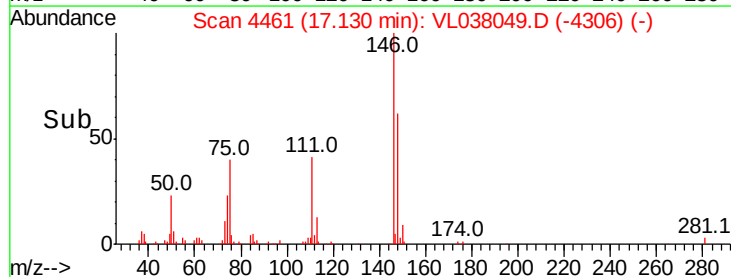
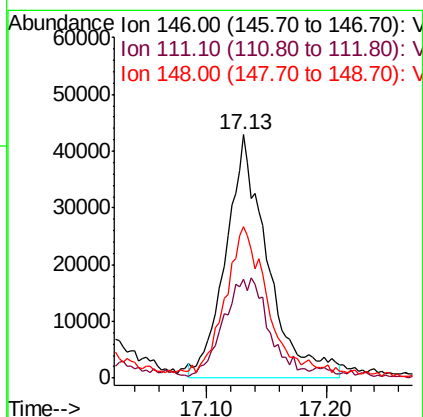
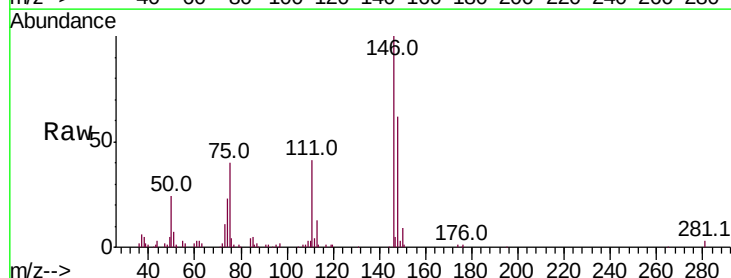
RT: 17.13 min Scan# 4461

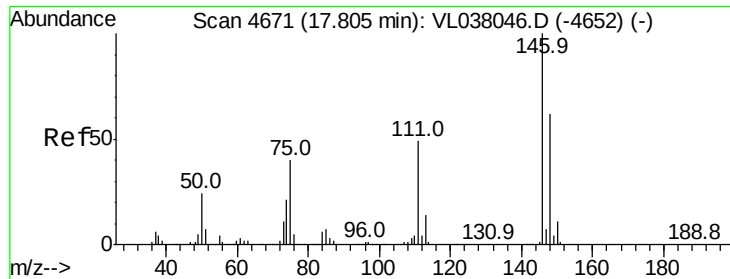
Delta R.T. -0.00 min

Lab File: VL038049.D

Acq: 18 Nov 2021 10:41

Tgt Ion:146 Resp: 103529
Ion Ratio Lower Upper
146 100
111 48.8 23.8 71.5
148 67.4 33.2 99.6



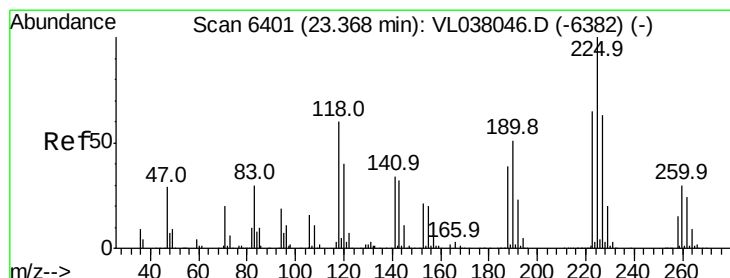
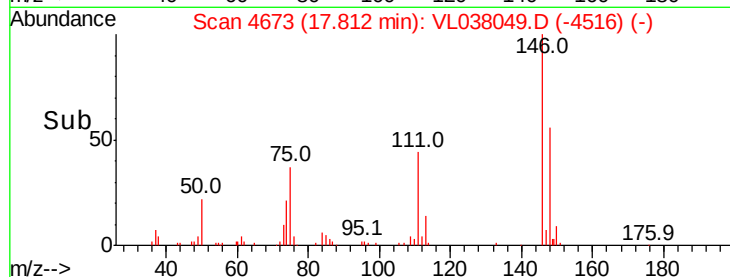
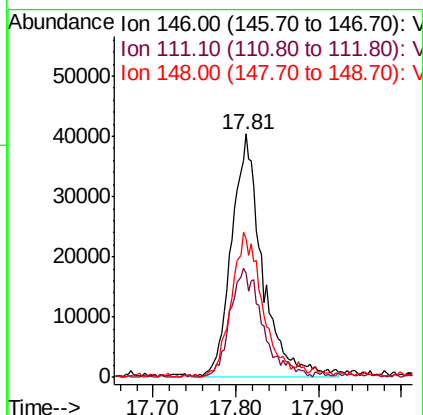
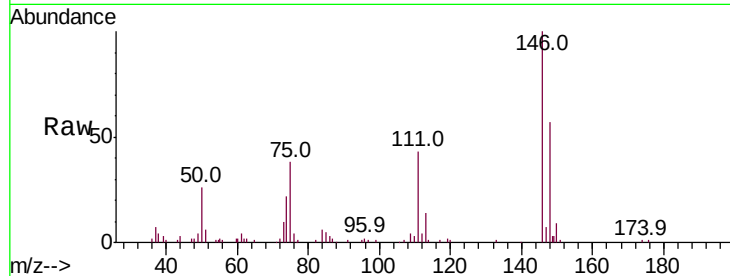


#77
 1,2-Dichlorobenzene
 Concen: 0.638 ppbv m
 RT: 17.81
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 18 Nov 2021 10:41

Tot Ion:1
 Ion Rati
 146 100
 111 47.
 148 61.

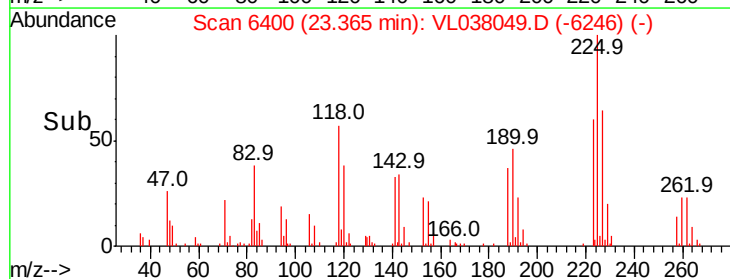
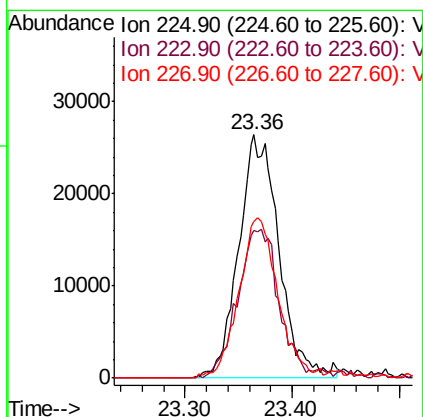
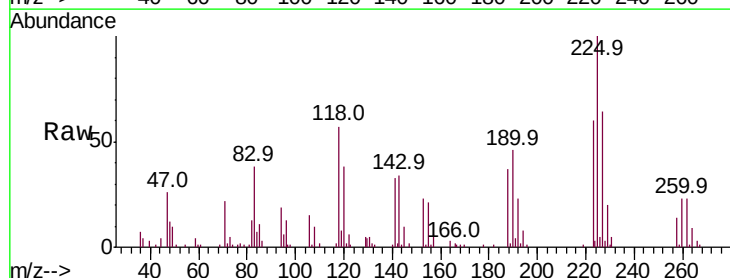
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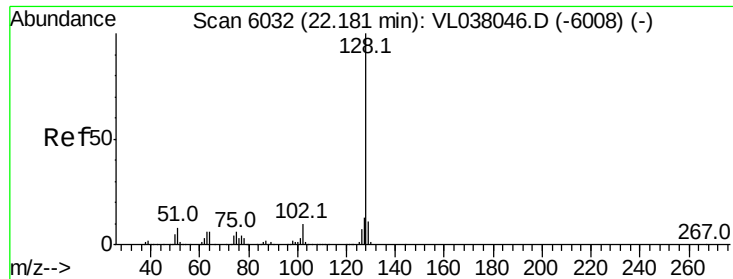
Reviewed By :Semsettin Yesilyurt 11/25/2021
 Supervised By :Mahesh Dadoda 11/29/2021



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.647 ppbv m
 RT: 23.36 min Scan# 6400
 Delta R.T. -0.00 min
 Lab File: VL038049.D
 Acq: 18 Nov 2021 10:41

Tgt Ion:225 Resp: 68993
 Ion Ratio Lower Upper
 225 100
 223 0.0 52.3 78.5#
 227 66.4 52.4 78.6



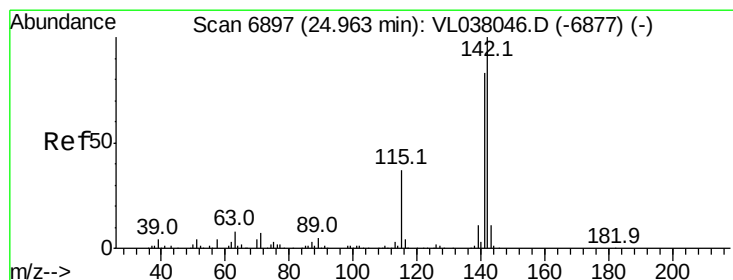
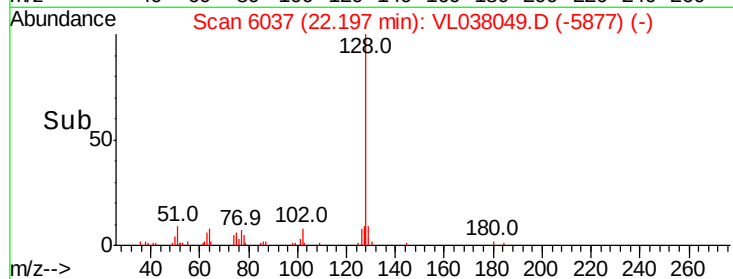
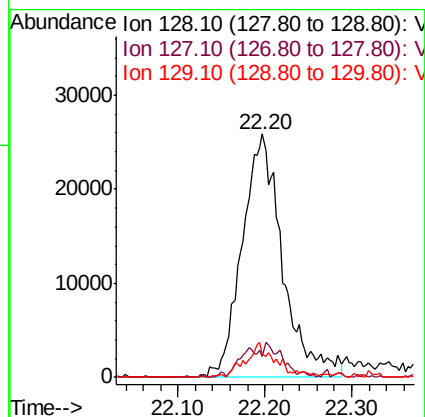
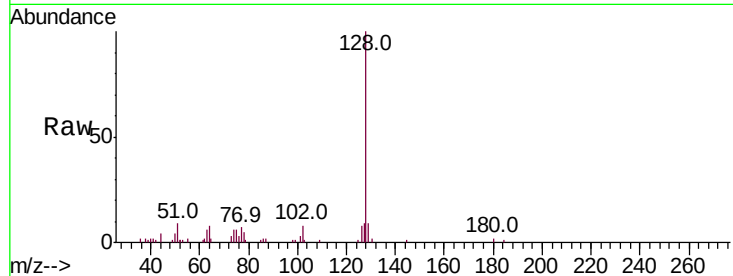


#79
Naphthalene
Concen: 0.490 ppbv m
RT: 22.20
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Nov 2021 10:41

Tot Ion:1
Ion Rati
128 100
127 8.
129 9.

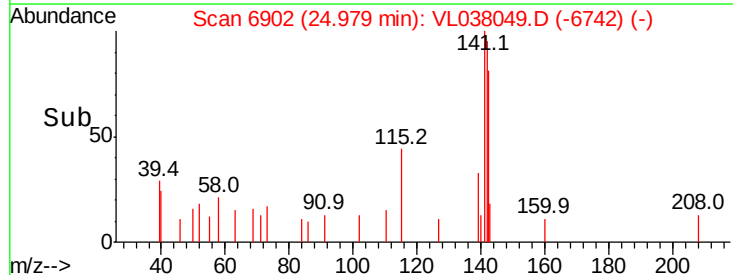
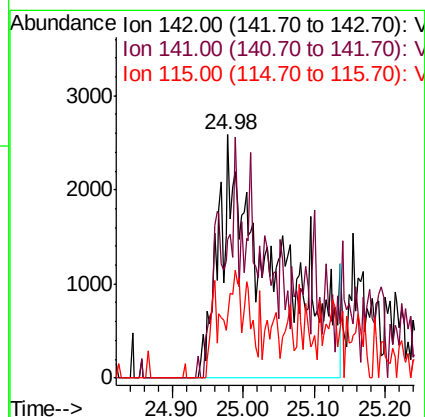
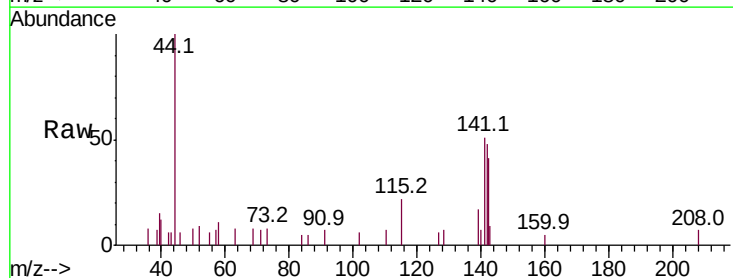
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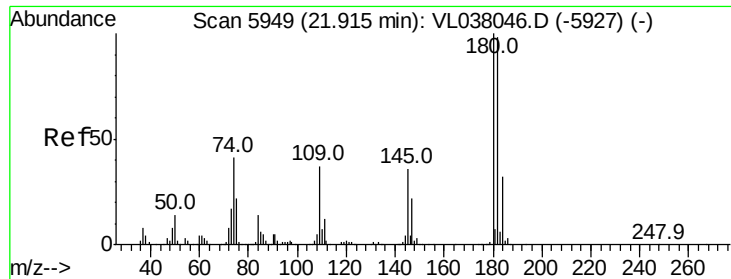
Reviewed By :Semsettin Yesilyurt 11/25/2021
Supervised By :Mahesh Dadoda 11/29/2021



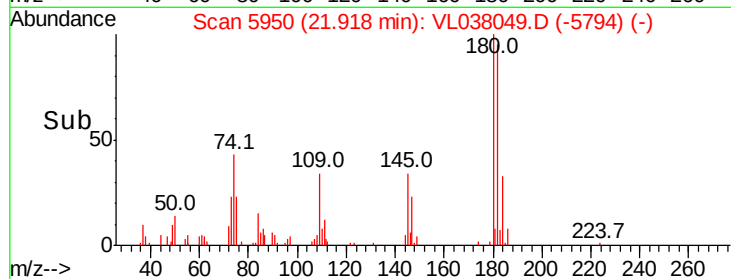
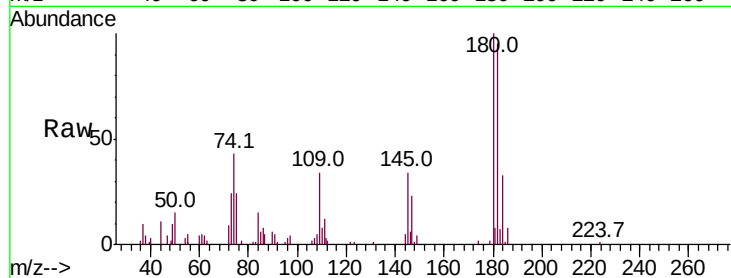
#80
Naphthalene, 2-methyl-
Concen: 0.434 ppbv m
RT: 24.98 min Scan# 6902
Delta R.T. 0.02 min
Lab File: VL038049.D
Acq: 18 Nov 2021 10:41

Tgt Ion:142 Resp: 13958
Ion Ratio Lower Upper
142 100
141 30.5 67.3 100.9#
115 16.5 28.9 43.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.549 ppbv m
 RT: 21.92
 Delta R.T
 Lab File: VSTDIC0.5
 Acq: 18 Nov 2021 10:41



Tot Ion:1
 Ion Rati
 180 100
 182 0.
 184 0.

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

