

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040917.D
 Acq On : 20 Dec 2023 13:02
 Operator : SY/MD
 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 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:09:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 21 07:06:17 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.182	49	1243671	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3115772	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2747752	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2024558 10.003 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	129775	0.548	ppbv	96
3) Chlorodifluoromethane	2.681	51	102757	0.549	ppbv	99
4) Chloromethane	2.816	50	37032	0.537	ppbv #	87
5) Vinyl Chloride	2.922	62	34252	0.533	ppbv #	88
6) Bromomethane	3.118	94	16238m	0.550	ppbv	
7) Chloroethane	3.195	64	12865	0.542	ppbv	89
8) Dichlorotetrafluoroethane	2.861	85	91730	0.537	ppbv	99
9) Propene	2.700	41	31685	0.513	ppbv	93
10) Heptane	7.561	43	76929	0.501	ppbv	97
11) Trichlorofluoromethane	3.558	101	96882	0.523	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.060	101	72429	0.504	ppbv	94
13) Ethanol	3.256	45	9490	0.688	ppbv	80
14) Bromoethene	3.365	108	26200	0.497	ppbv #	89
15) Acetone	3.481	43	85375	0.572	ppbv	95
16) 1,3-Butadiene	2.989	39	29565	0.460	ppbv	86
17) tert-Butyl alcohol	3.893	59	58903	0.534	ppbv	99
18) 1,1-Dichloroethene	3.870	96	31386	0.529	ppbv #	80
19) Isopropyl Alcohol	3.594	45	40739	0.517	ppbv #	95
20) Methylene Chloride	3.931	84	29582	0.551	ppbv	85
21) Allyl Chloride	3.992	41	42042	0.477	ppbv	91
22) trans-1,2-Dichloroethene	4.439	96	27904	0.408	ppbv	90
23) Vinyl Acetate	4.626	43	67632	0.401	ppbv #	93
24) 1,1-Dichloroethane	4.555	63	65821	0.447	ppbv	99
25) Ethyl Acetate	5.201	43	130378	0.504	ppbv	99
26) Hexane	5.201	57	58338	0.506	ppbv	94
27) Carbon Disulfide	4.118	76	69361	0.447	ppbv #	76
28) Methyl tert-Butyl Ether	4.587	73	47897	0.451	ppbv	93
29) Chloroform	5.262	83	99460	0.515	ppbv	98
30) Cyclohexane	6.587	84	46565	0.488	ppbv	90
31) cis-1,2-Dichloroethene	5.066	61	57572	0.489	ppbv	92
32) 1,1,1-Trichloroethane	5.986	97	96530	0.524	ppbv	97
34) 2-Butanone	4.790	43	78855	0.478	ppbv	95
35) Carbon Tetrachloride	6.475	117	97100	0.496	ppbv	89
36) Benzene	6.352	78	122609	0.503	ppbv	98
37) 1,2-Dichloroethane	5.790	62	74575	0.511	ppbv	100
38) Trichloroethene	7.272	130	46084	0.492	ppbv	95
39) 1,2-Dichloropropane	7.053	63	52159m	0.543	ppbv	
40) 1,4-Dioxane	7.304	88	22934m	0.577	ppbv	
41) Tetrahydrofuran	5.568	42	51606m	0.516	ppbv	
42) Bromodichloromethane	7.230	83	104690	0.497	ppbv #	95
43) Methyl Methacrylate	7.465	69	45098m	0.475	ppbv	
44) 2,2,4-Trimethylpentane	7.304	57	212805	0.514	ppbv	98
45) t-1,3-Dichloropropene	8.690	75	28839m	0.410	ppbv	

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Instrument :
 MSVOA_L
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Manual Integrations
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Quant Time: Dec 21 07:09:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

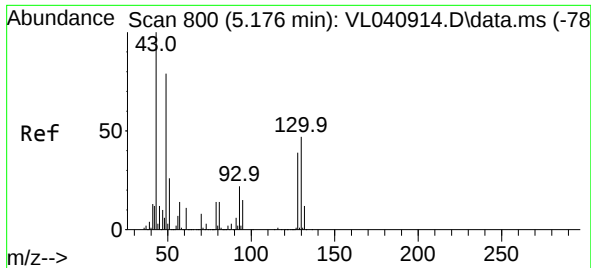
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 21 07:06:17 2023

Response via : Initial Calibration

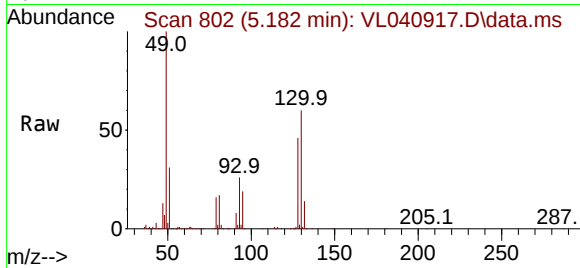
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	38327m	0.437	ppbv	
47) 1,1,2-Trichloroethane	8.873	97	51499	0.501	ppbv	95
48) Dibromochloromethane	9.677	129	82110m	0.473	ppbv	
49) Bromoform	12.375	173	58240m	0.434	ppbv	
50) 4-Methyl-2-Pentanone	8.182	43	125468m	0.501	ppbv	
51) 2-Hexanone	9.548	43	79851m	0.444	ppbv	
52) Tetrachloroethene	10.593	164	44589m	0.543	ppbv	
53) Toluene	9.198	91	126163	0.464	ppbv	95
54) 1,2-Dibromoethane	9.989	107	68765m	0.490	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.481	131	61690	0.513	ppbv #	1
57) Chlorobenzene	11.497	112	104892	0.517	ppbv #	92
58) Ethyl Benzene	12.063	91	175688m	0.498	ppbv	
59) m/p-Xylene	12.336	91	310590m	1.035	ppbv	
60) o-Xylene	13.037	91	140792	0.498	ppbv	96
61) Styrene	12.870	104	57515m	0.426	ppbv	
62) Isopropylbenzene	14.005	105	217085	0.518	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.021	83	109503	0.539	ppbv	94
64) n-propylbenzene	14.892	120	52233m	0.493	ppbv	
65) tert-Butylbenzene	16.066	119	167377	0.462	ppbv	88
66) Benzyl Chloride	16.317	91	9664m	0.394	ppbv	
67) sec-Butylbenzene	16.609	105	265337	0.512	ppbv	99
69) p-Isopropyltoluene	16.969	119	192278	0.478	ppbv	96
70) n-Butylbenzene	17.866	91	204568m	0.489	ppbv	
71) 2-Chlorotoluene	14.773	91	163378	0.506	ppbv	100
72) 4-Ethyltoluene	15.166	105	150697	0.485	ppbv	97
73) 1,3,5-Trimethylbenzene	15.323	105	127779	0.477	ppbv	91
74) 1,2,4-Trimethylbenzene	16.076	105	149042	0.500	ppbv #	82
75) 1,3-Dichlorobenzene	16.304	146	86161m	0.504	ppbv	
76) 1,4-Dichlorobenzene	16.442	146	80607	0.483	ppbv	97
77) 1,2-Dichlorobenzene	17.121	146	79864	0.484	ppbv	96
78) Hexachloro-1,3-Butadiene	22.603	225	54929m	0.537	ppbv	
79) Naphthalene	21.368	128	61471m	0.441	ppbv	
80) Naphthalene,2-methyl-	24.387	142	7997m	0.328	ppbv	
81) 1,2,4-Trichlorobenzene	21.114	180	32927m	0.394	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

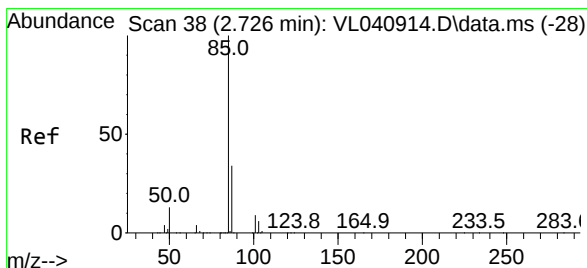
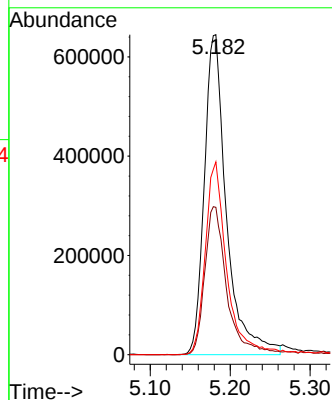
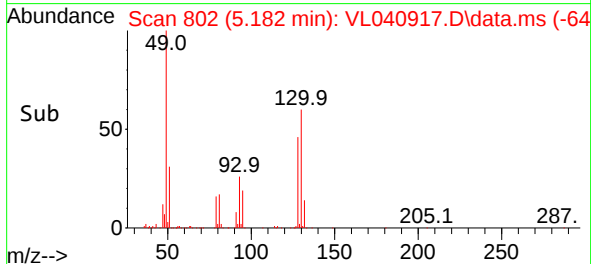
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



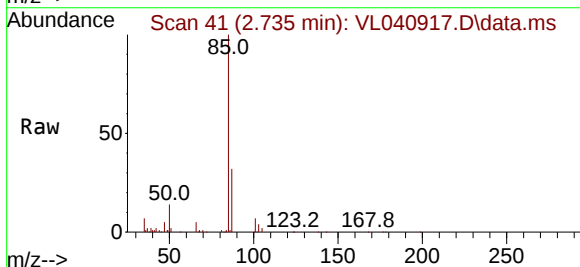
Tgt Ion: 49 Resp: 124367
Ion Ratio Lower Upper
49 100
128 47.9 23.8 71.2
130 59.1 30.1 90.5

Manual Integrations
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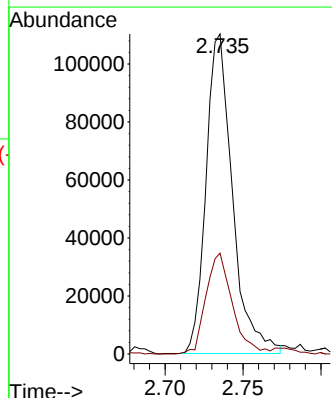
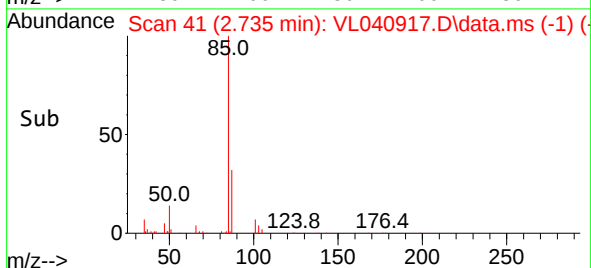
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

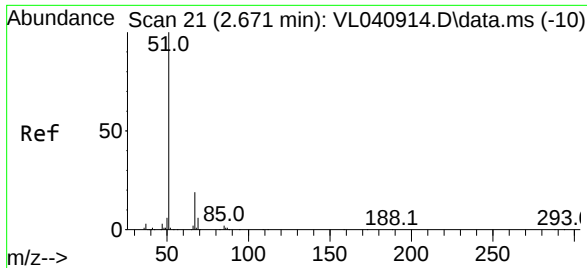


#2
Dichlorodifluoromethane
Concen: 0.548 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



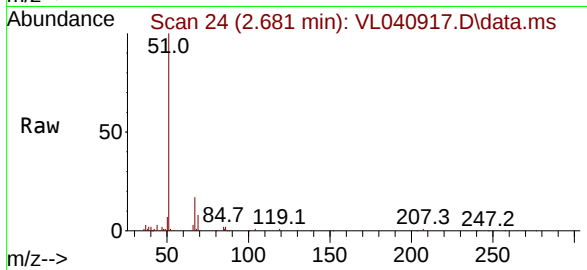
Tgt Ion: 85 Resp: 129775
Ion Ratio Lower Upper
85 100
87 31.4 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

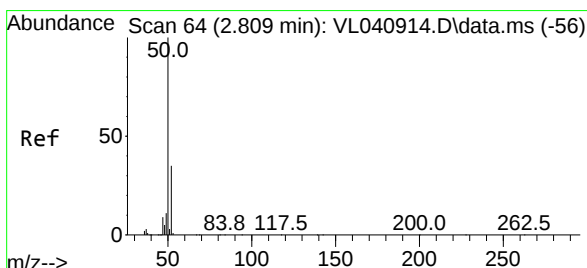
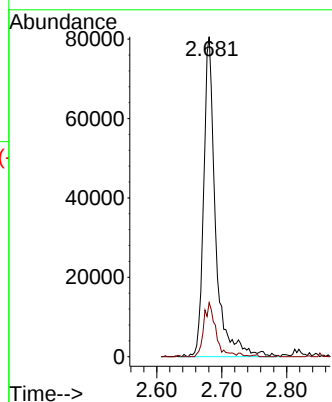
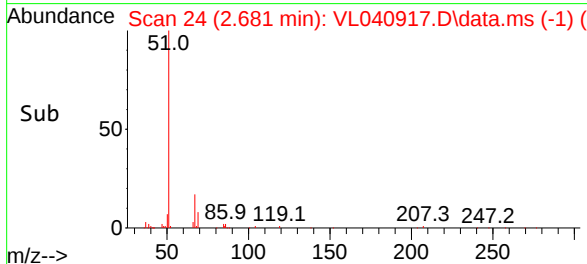
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 51 Resp: 10275
Ion Ratio Lower Upper
51 100
67 17.8 14.7 22.1

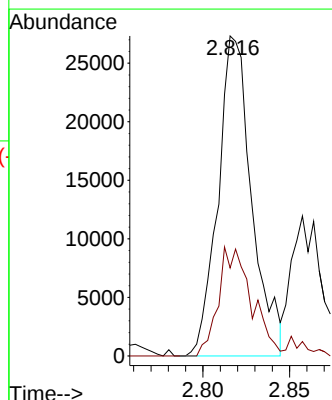
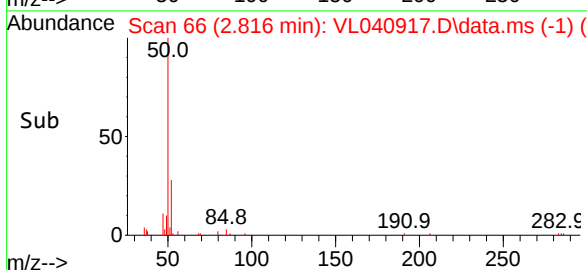
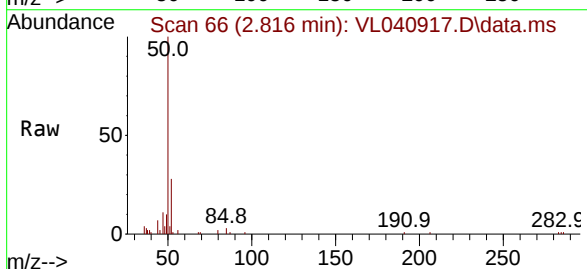
Manual Integrations
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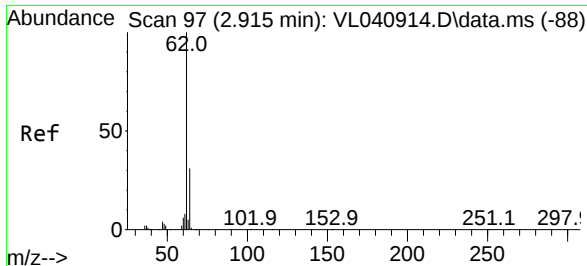
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#4
Chloromethane
Concen: 0.537 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 50 Resp: 37032
Ion Ratio Lower Upper
50 100
52 27.5 28.0 42.0#





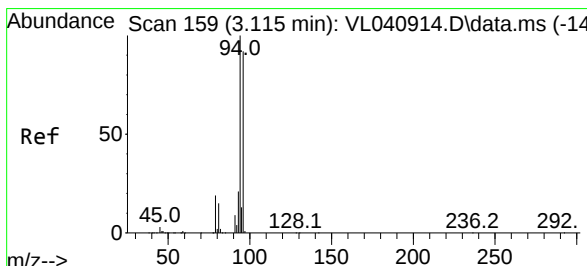
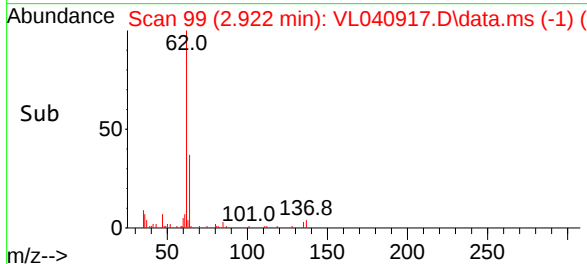
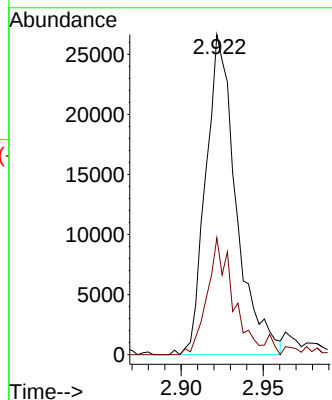
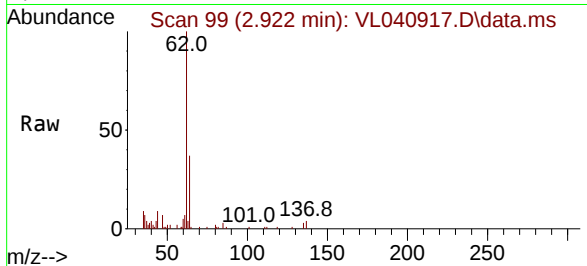
#5
 Vinyl Chloride
 Concen: 0.533 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 3425
 Ion Ratio Lower Upper
 62 100
 64 37.5 24.9 37.3

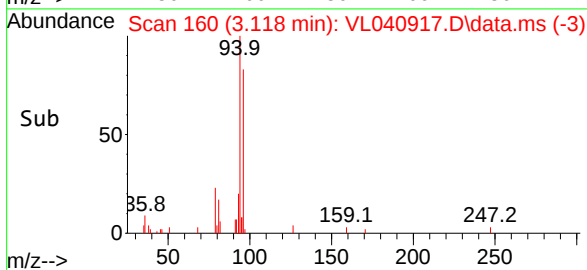
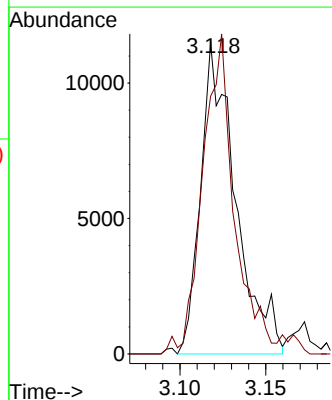
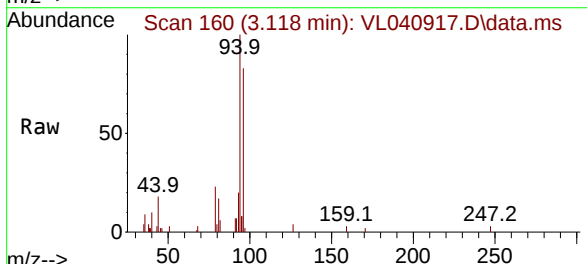
Manual Integrations
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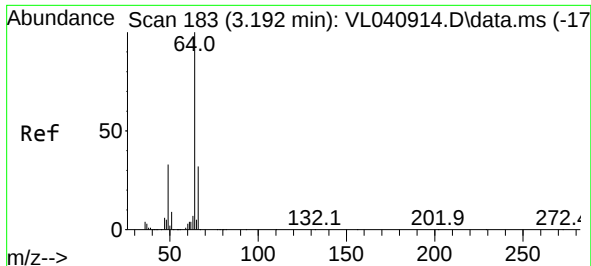
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#6
 Bromomethane
 Concen: 0.550 ppbv m
 RT: 3.118 min Scan# 160
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

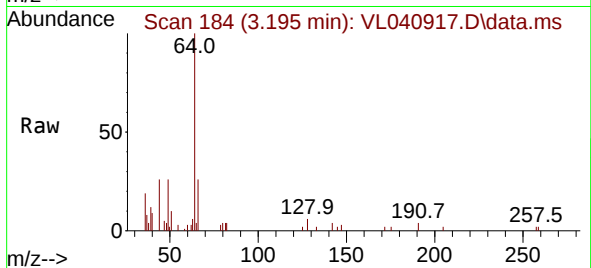
Tgt Ion: 94 Resp: 16238
 Ion Ratio Lower Upper
 94 100
 96 82.8 73.2 109.8





#7
Chloroethane
Concen: 0.542 ppbv
RT: 3.195 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

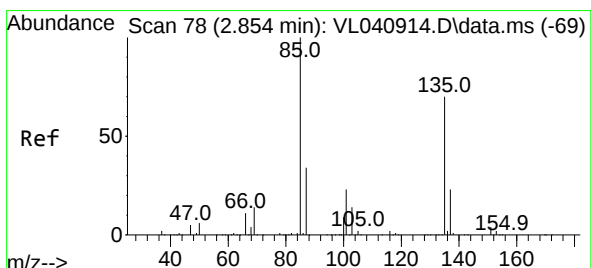
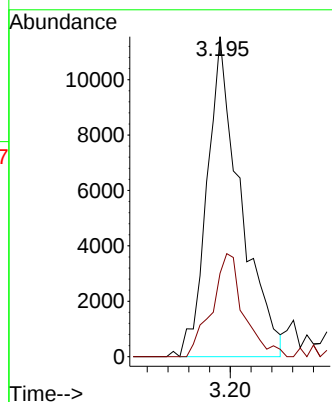
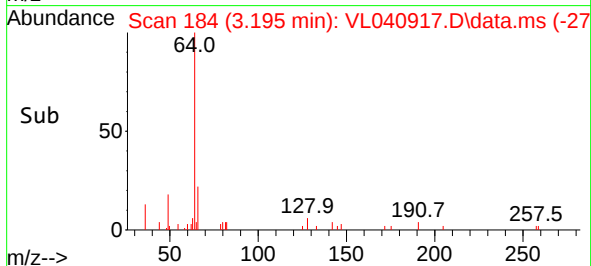
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 64 Resp: 1286
Ion Ratio Lower Upper
64 100
66 26.1 25.7 38.5

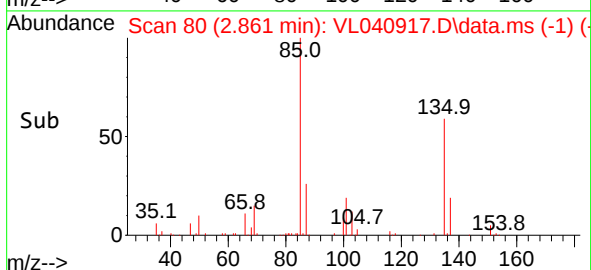
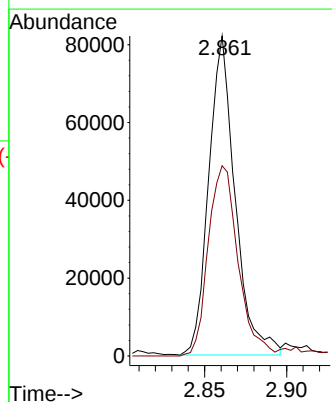
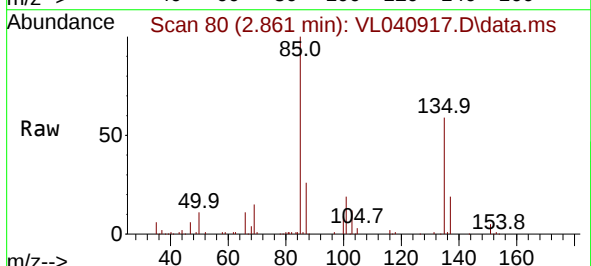
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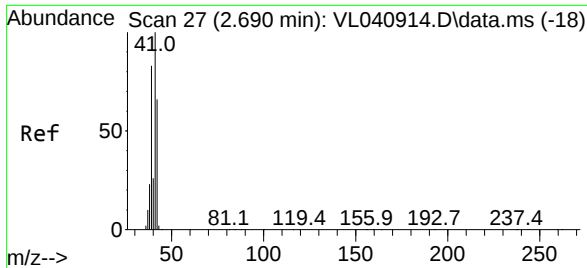
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#8
Dichlorotetrafluoroethane
Concen: 0.537 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 85 Resp: 91730
Ion Ratio Lower Upper
85 100
135 71.0 55.8 83.8





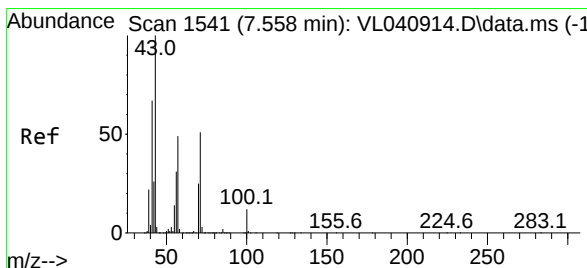
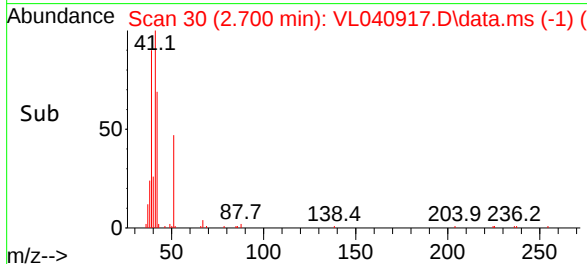
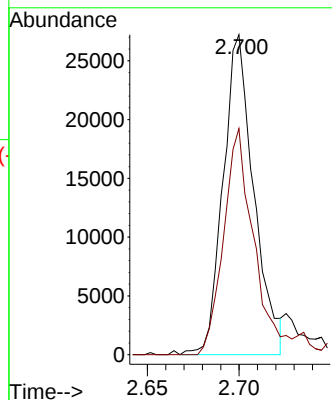
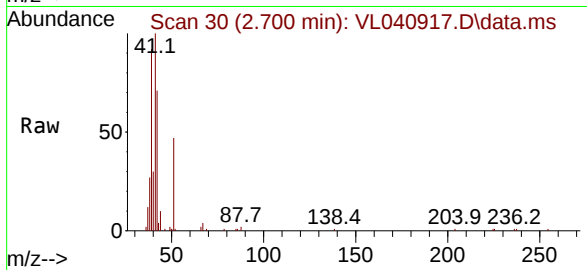
#9
 Propene
 Concen: 0.513 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.010 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 3168
 Ion Ratio Lower Upper
 41 100
 42 75.7 55.8 83.6

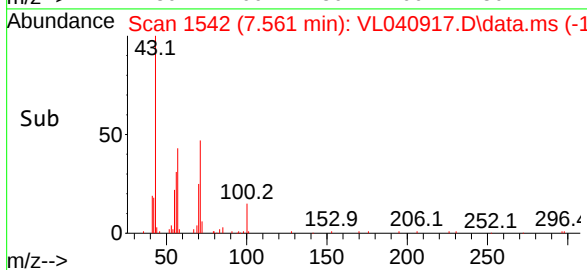
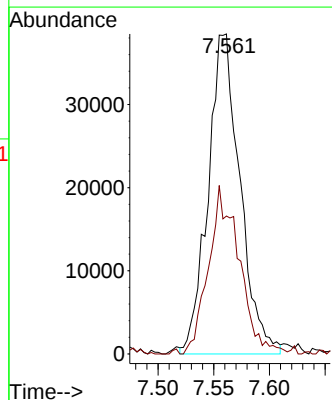
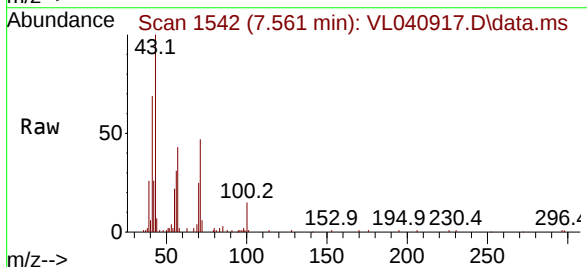
Manual Integrations
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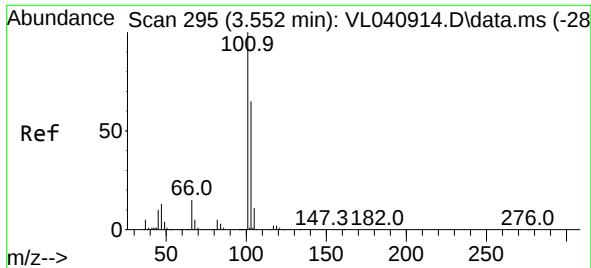
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#10
 Heptane
 Concen: 0.501 ppbv
 RT: 7.561 min Scan# 1542
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Tgt Ion: 43 Resp: 76929
 Ion Ratio Lower Upper
 43 100
 57 51.0 39.3 58.9





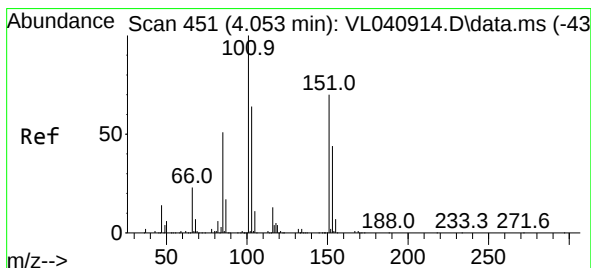
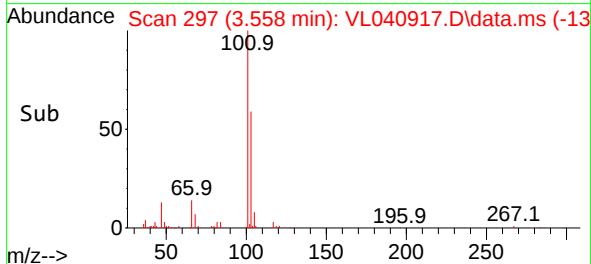
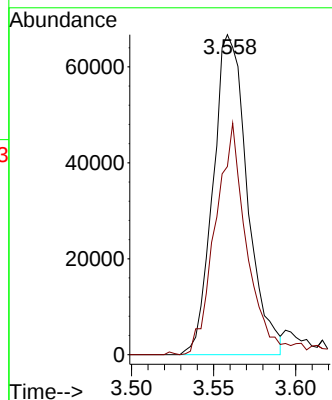
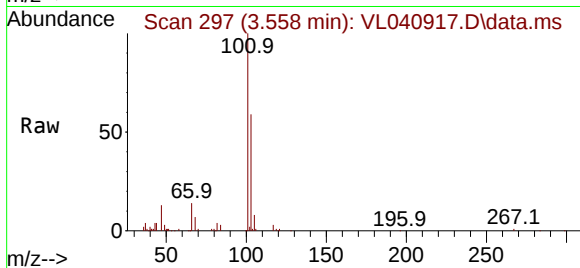
#11
Trichlorofluoromethane
Concen: 0.523 ppbv
RT: 3.558 min Scan# 295
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 9688
Ion Ratio Lower Upper
101 100
103 58.8 51.9 77.9

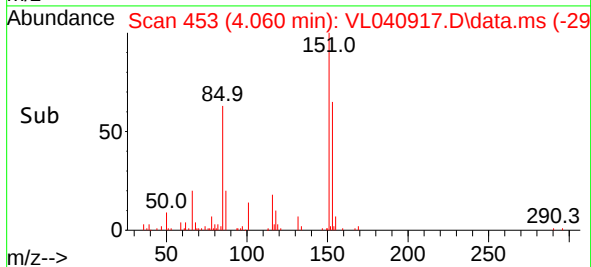
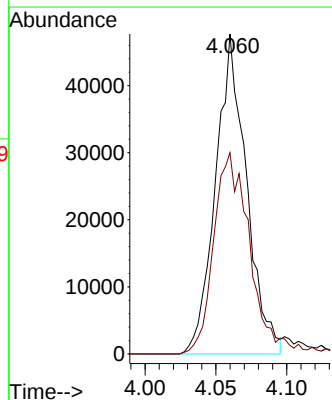
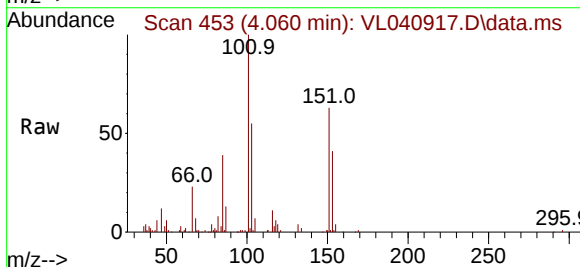
Manual Integrations
APPROVED

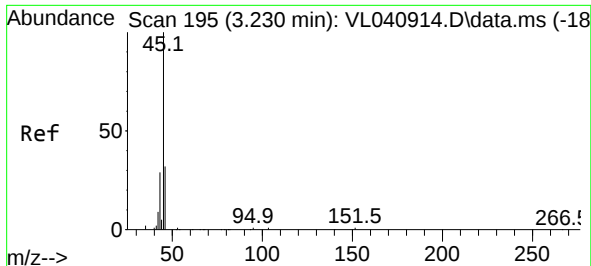
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.504 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

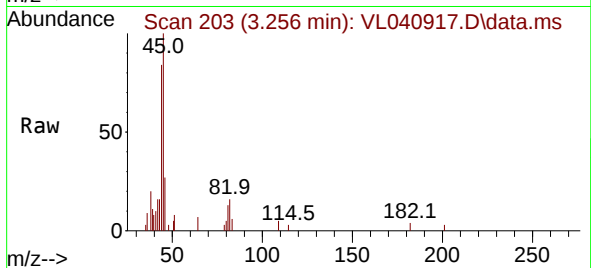
Tgt Ion:101 Resp: 72429
Ion Ratio Lower Upper
101 100
151 74.4 55.8 83.8





#13
Ethanol
Concen: 0.688 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.026 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

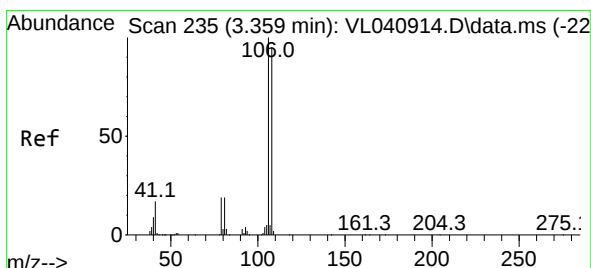
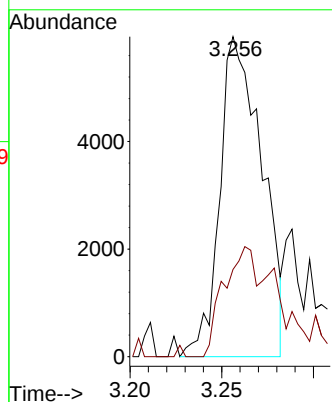
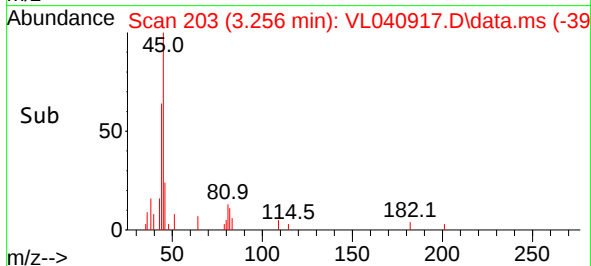
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



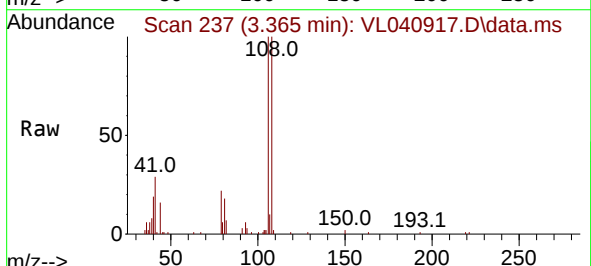
Tgt Ion: 45 Resp: 9490
Ion Ratio Lower Upper
45 100
46 49.6 15.0 60.0

Manual Integrations
APPROVED

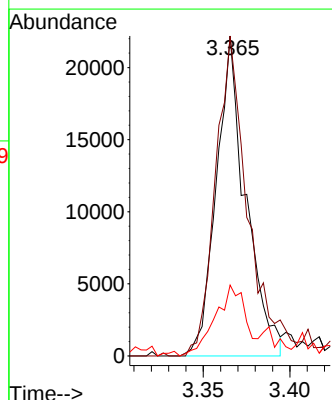
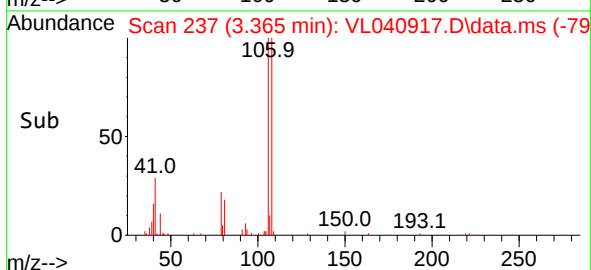
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

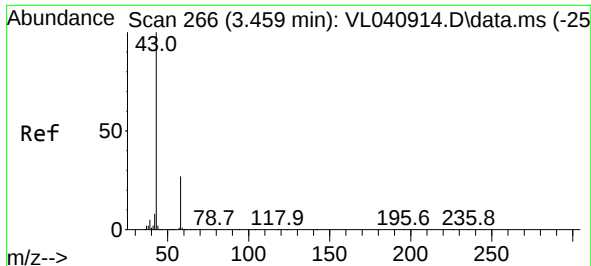


#14
Bromoethene
Concen: 0.497 ppbv
RT: 3.365 min Scan# 237
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



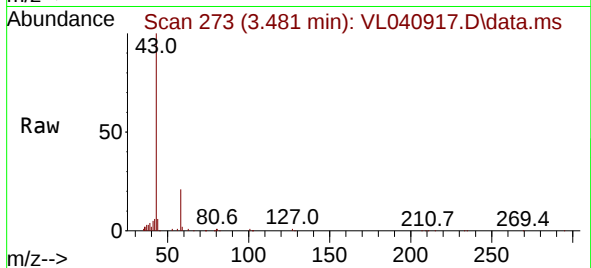
Tgt Ion:108 Resp: 26200
Ion Ratio Lower Upper
108 100
106 117.4 87.5 131.3
79 34.8 16.6 24.8





#15
Acetone
Concen: 0.572 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

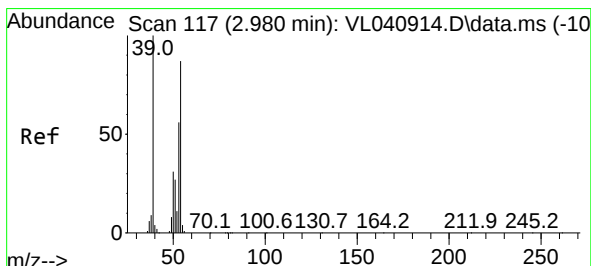
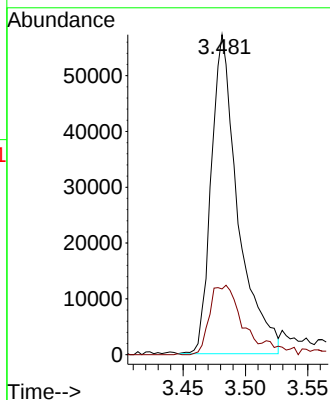
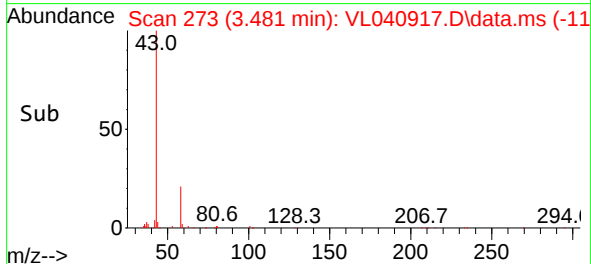
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



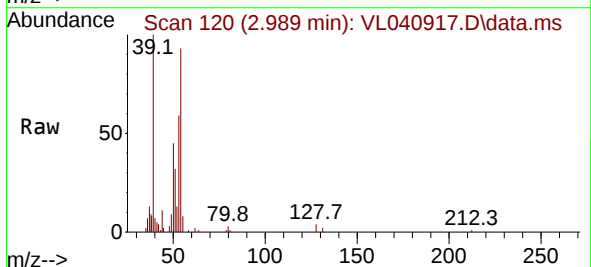
Tgt Ion: 43 Resp: 85375
Ion Ratio Lower Upper
43 100
58 28.2 20.6 30.8

Manual Integrations
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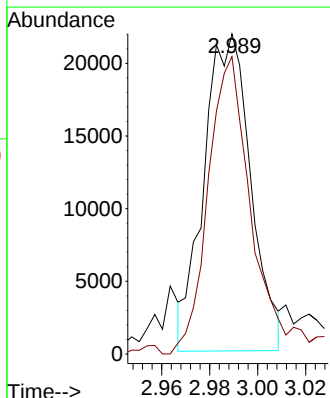
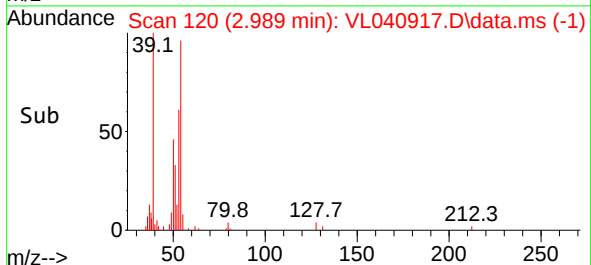
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

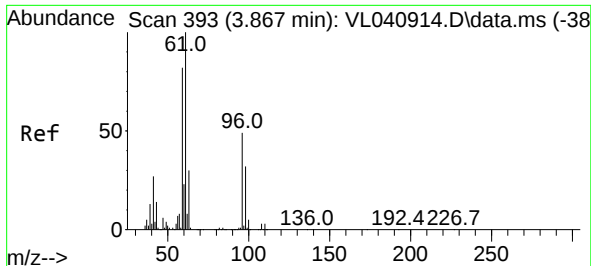


#16
1,3-Butadiene
Concen: 0.460 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



Tgt Ion: 39 Resp: 29565
Ion Ratio Lower Upper
39 100
54 92.1 63.8 95.6





#17

tert-Butyl alcohol

Concen: 0.534 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.026 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 59 Resp: 5890

Ion Ratio Lower Upper

59 100

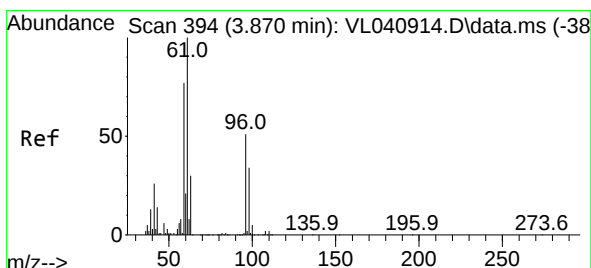
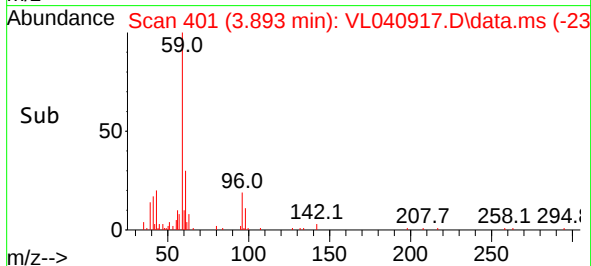
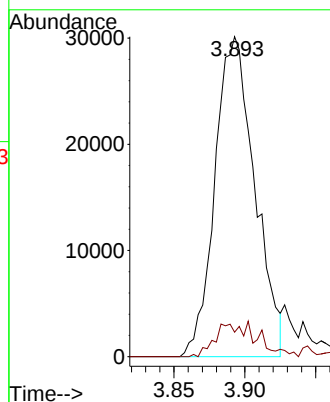
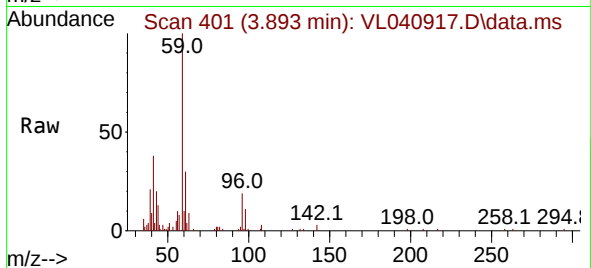
57 10.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#18

1,1-Dichloroethene

Concen: 0.529 ppbv

RT: 3.870 min Scan# 394

Delta R.T. 0.000 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

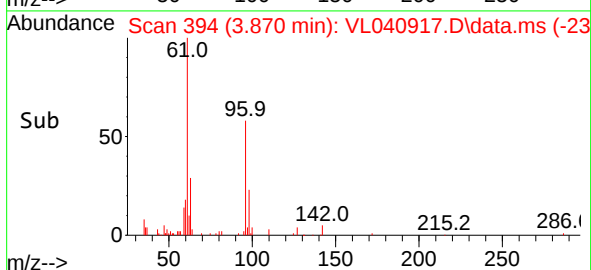
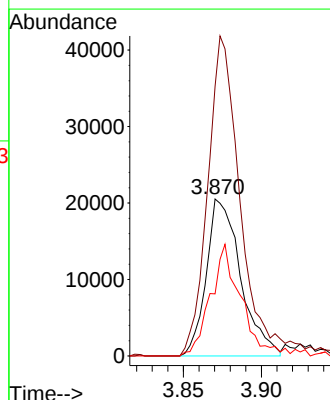
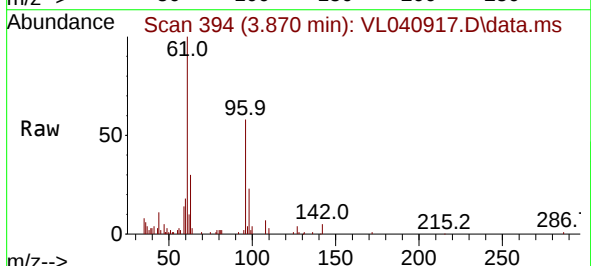
Tgt Ion: 96 Resp: 31386

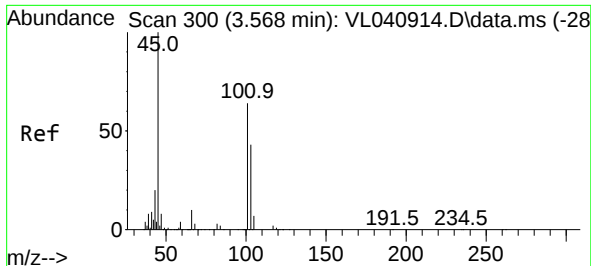
Ion Ratio Lower Upper

96 100

61 171.6 156.6 235.0

98 39.5 52.5 78.7#





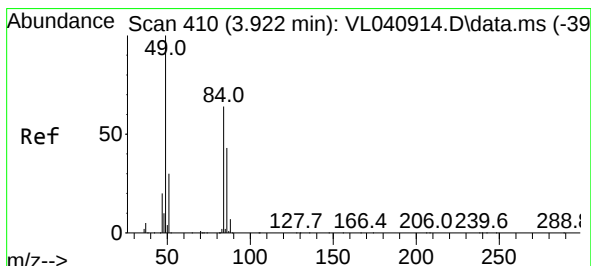
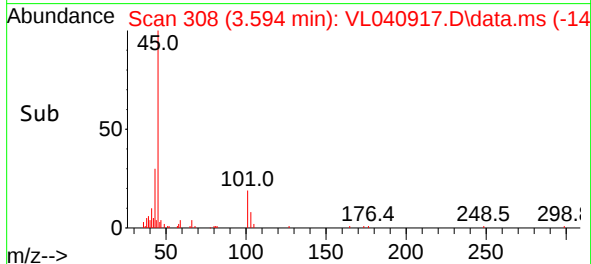
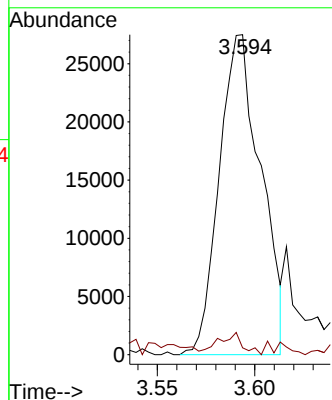
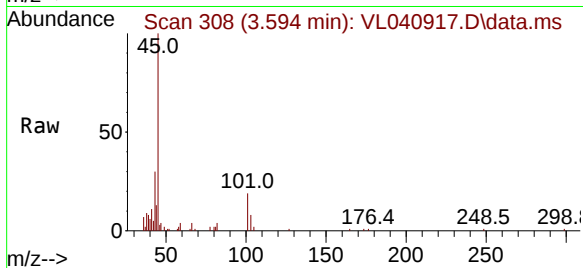
#19
Isopropyl Alcohol
Concen: 0.517 ppbv
RT: 3.594 min Scan# 308
Delta R.T. 0.026 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 40739
Ion Ratio Lower Upper
45 100
58 3.8 1.5 2.3

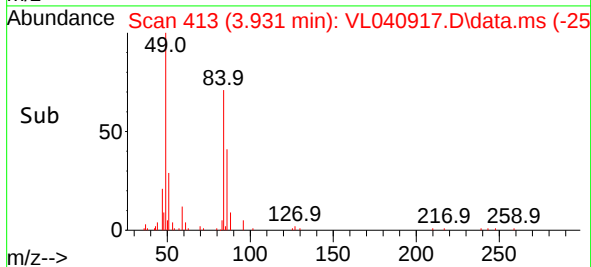
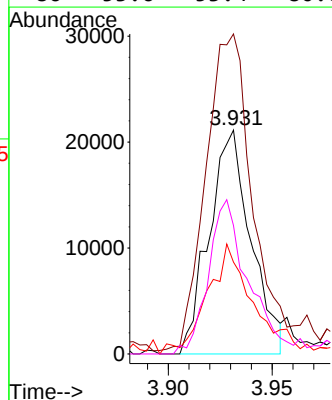
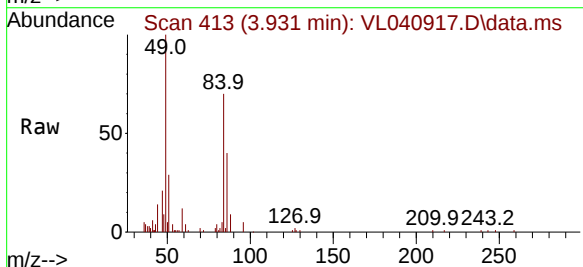
Manual Integrations
APPROVED

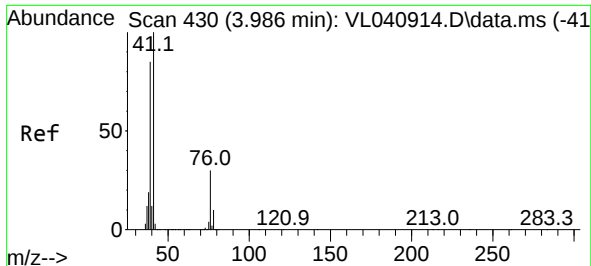
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#20
Methylene Chloride
Concen: 0.551 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

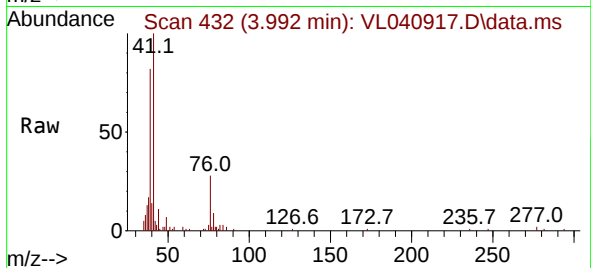
Tgt Ion: 84 Resp: 29582
Ion Ratio Lower Upper
84 100
49 136.5 124.6 187.0
51 38.2 37.2 55.8
86 53.6 53.4 80.0





#21
 Allyl Chloride
 Concen: 0.477 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

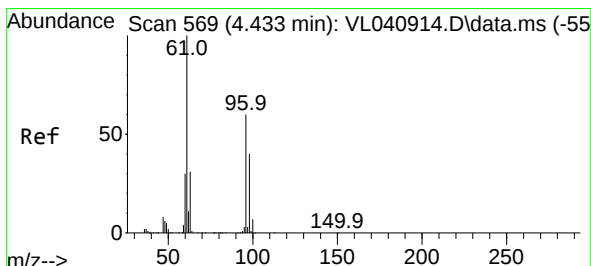
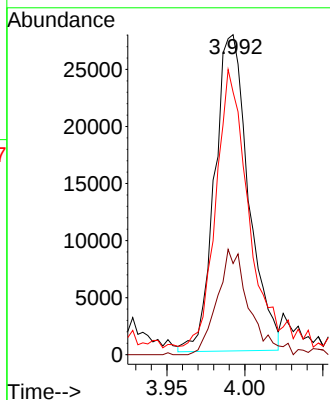
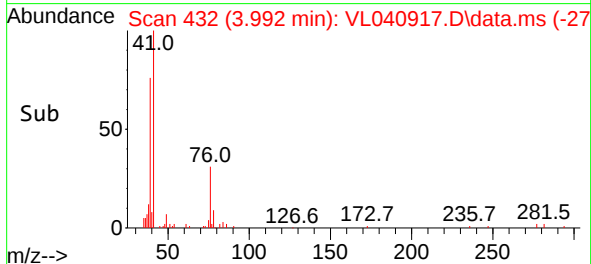
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



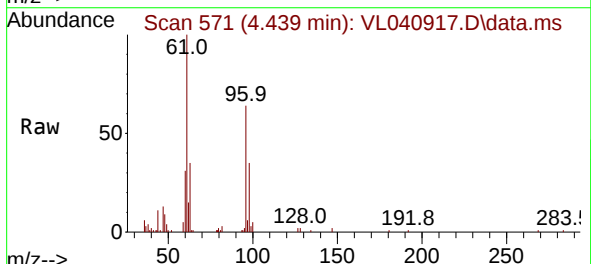
Tgt Ion: 41 Resp: 4204
 Ion Ratio Lower Upper
 41 100
 76 31.7 23.9 35.9
 39 93.3 66.5 99.7

Manual Integrations
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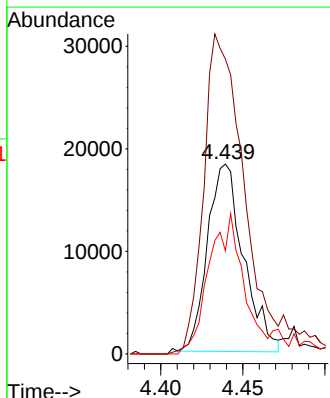
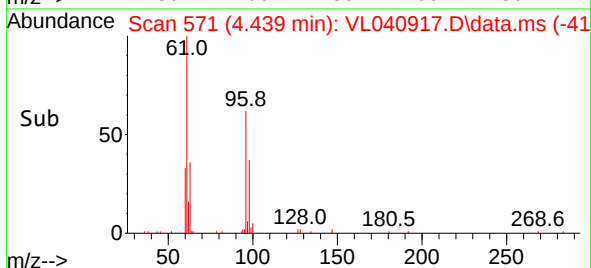
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

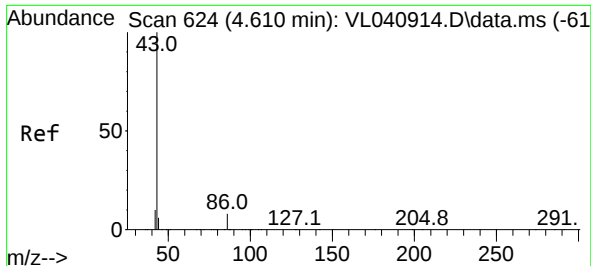


#22
 trans-1,2-Dichloroethene
 Concen: 0.408 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.006 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02



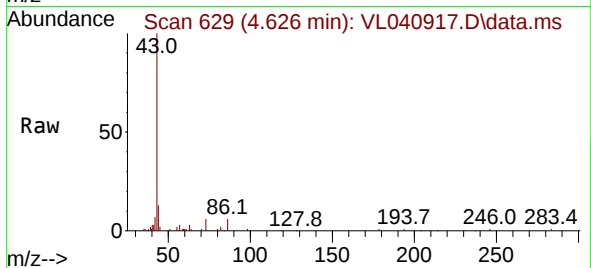
Tgt Ion: 96 Resp: 27904
 Ion Ratio Lower Upper
 96 100
 61 155.8 133.0 199.6
 98 55.1 53.7 80.5





#23
 Vinyl Acetate
 Concen: 0.401 ppbv
 RT: 4.626 min Scan# 610
 Delta R.T. 0.016 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

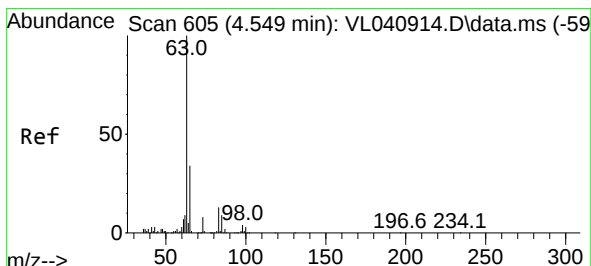
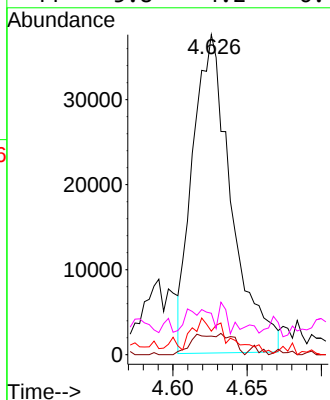
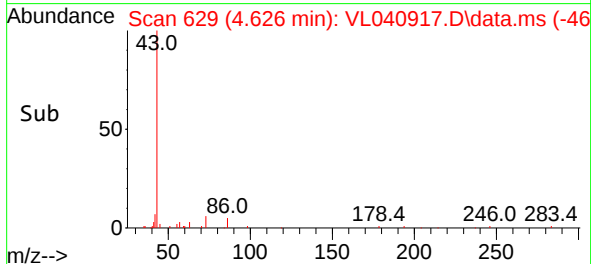
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



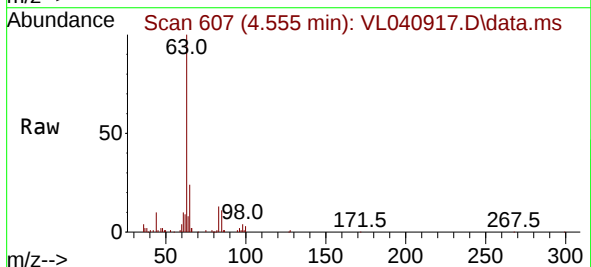
Tgt Ion: 43 Resp: 67632
 Ion Ratio Lower Upper
 43 100
 86 4.8 5.5 8.3
 42 6.7 8.4 12.6
 44 5.8 4.2 6.4

Manual Integrations
 APPROVED

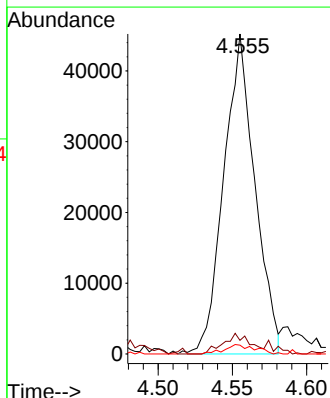
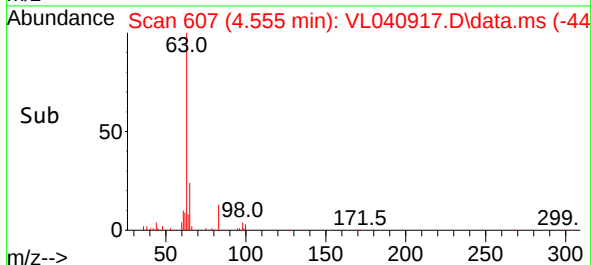
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

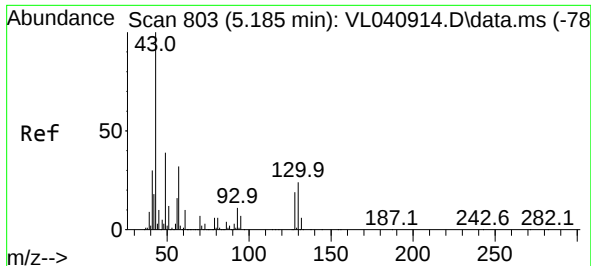


#24
 1,1-Dichloroethane
 Concen: 0.447 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. 0.006 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02



Tgt Ion: 63 Resp: 65821
 Ion Ratio Lower Upper
 63 100
 98 3.6 2.1 6.5
 100 2.8 1.4 4.2





#25

Ethyl Acetate

Concen: 0.504 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.016 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 130378

Ion Ratio Lower Upper

43 100

45 11.0 8.2 12.2

61 9.9 7.6 11.4

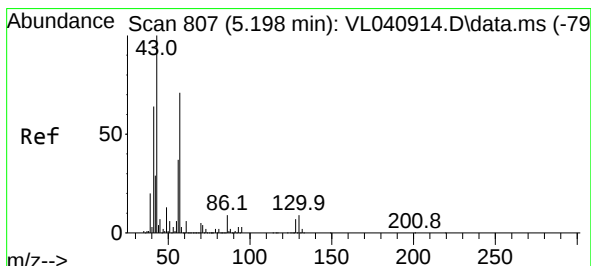
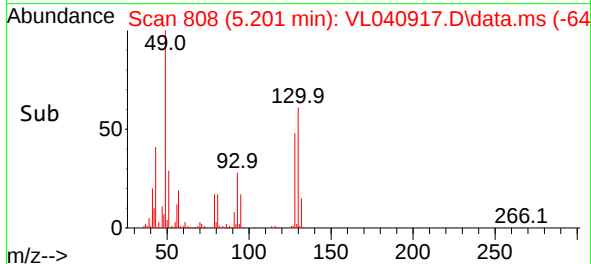
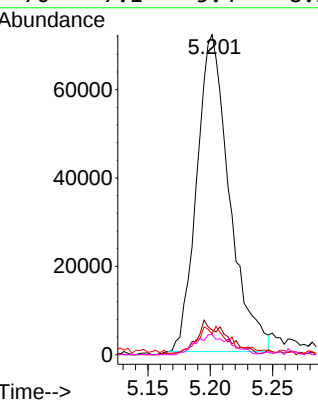
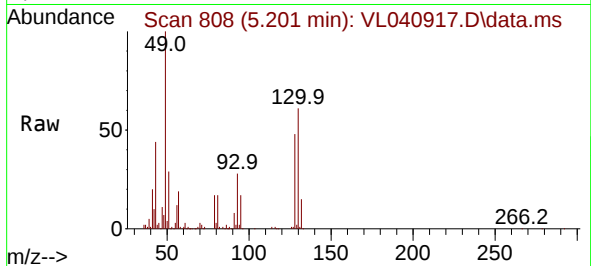
70 7.1 5.4 8.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#26

Hexane

Concen: 0.506 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion: 57 Resp: 58338

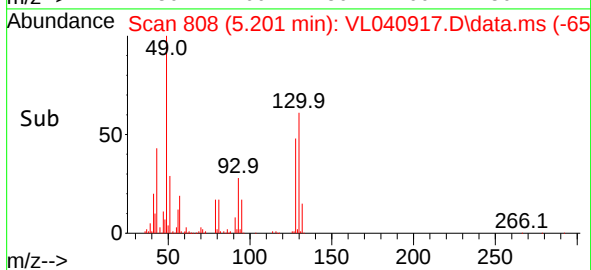
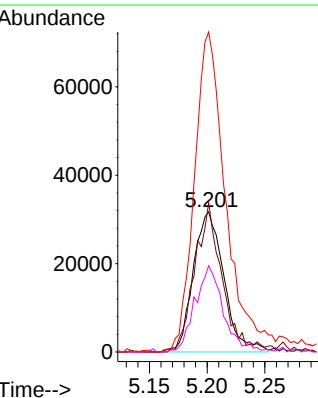
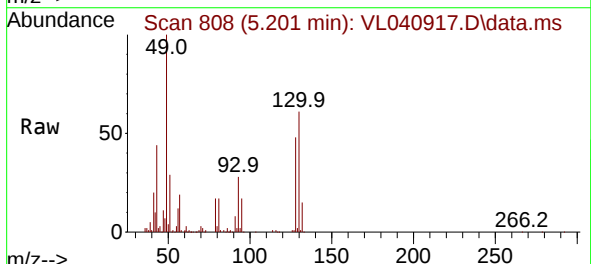
Ion Ratio Lower Upper

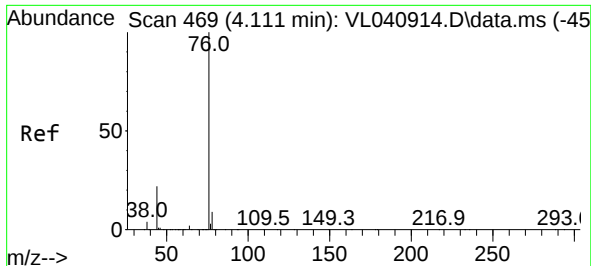
57 100

41 98.2 75.2 112.8

43 245.2 188.0 282.0

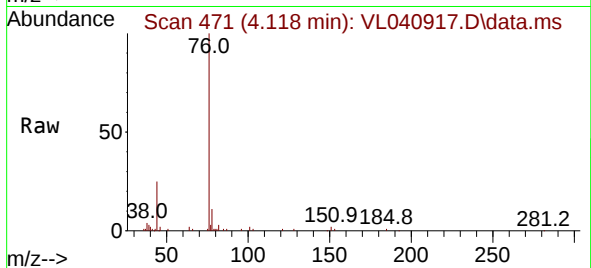
56 59.2 42.3 63.5





#27
Carbon Disulfide
Concen: 0.447 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

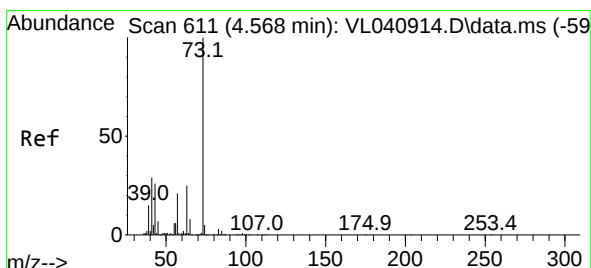
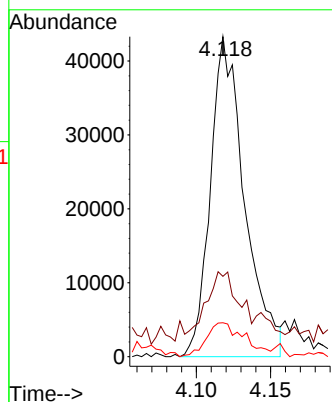
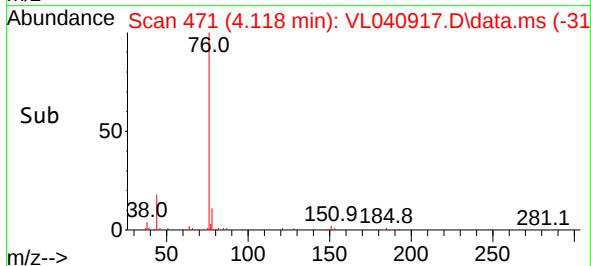
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



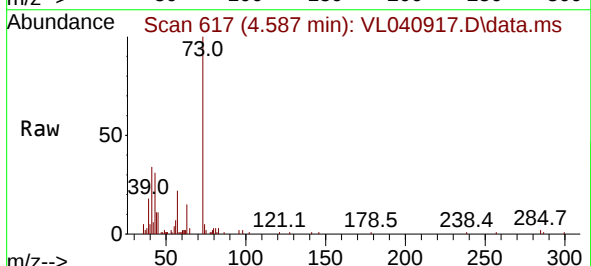
Tgt Ion: 76 Resp: 6936
Ion Ratio Lower Upper
76 100
44 37.5 18.4 27.6
78 14.1 7.9 11.9

Manual Integrations
APPROVED

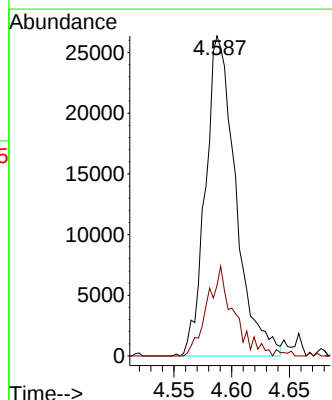
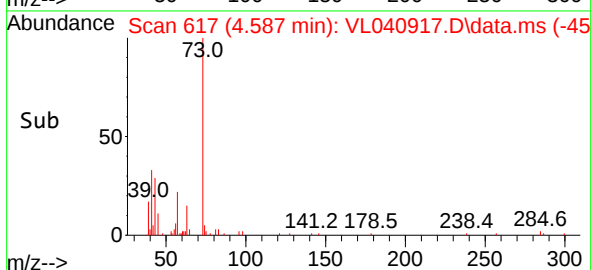
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

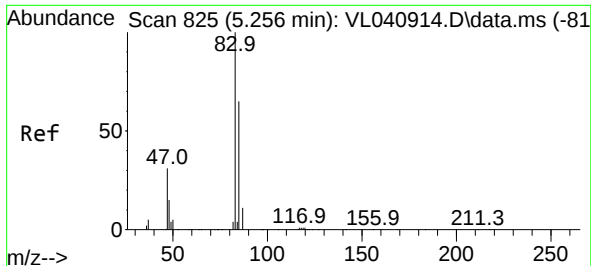


#28
Methyl tert-Butyl Ether
Concen: 0.451 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.019 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



Tgt Ion: 73 Resp: 47897
Ion Ratio Lower Upper
73 100
57 25.7 18.0 27.0





#29

Chloroform

Concen: 0.515 ppbv

RT: 5.262 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 99460

Ion Ratio Lower Upper

83 100

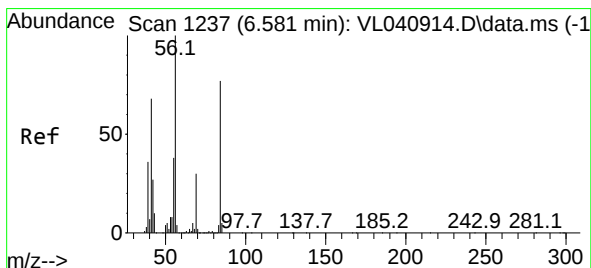
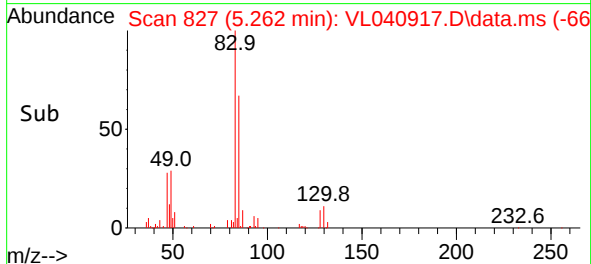
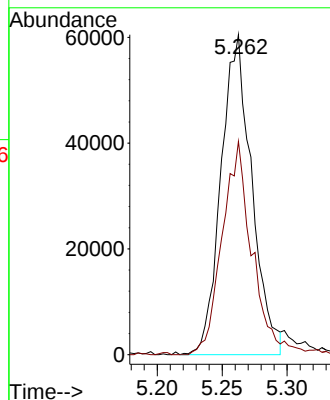
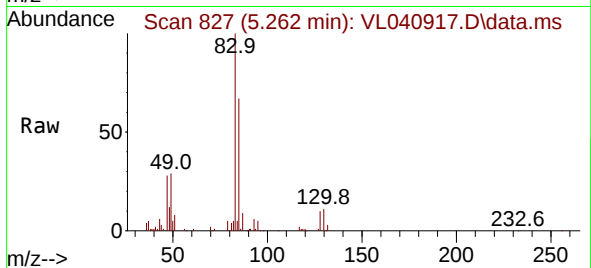
85 66.7 52.3 78.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#30

Cyclohexane

Concen: 0.488 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

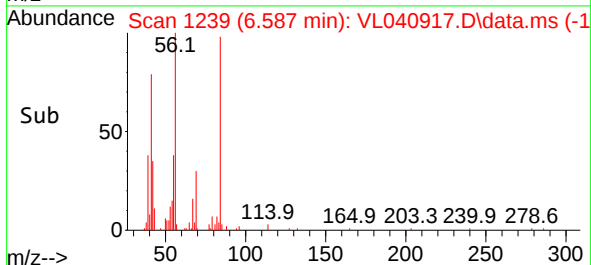
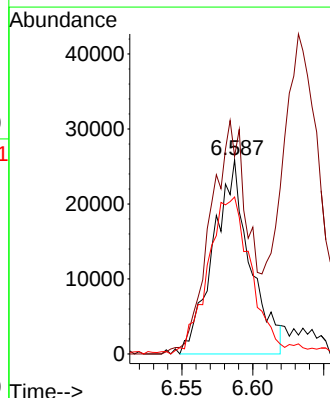
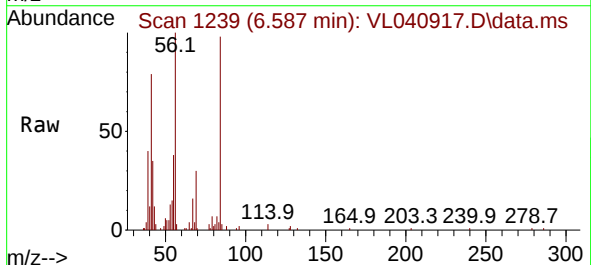
Tgt Ion: 84 Resp: 46565

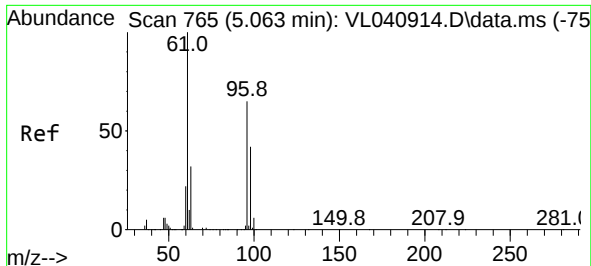
Ion Ratio Lower Upper

84 100

56 129.7 111.4 167.2

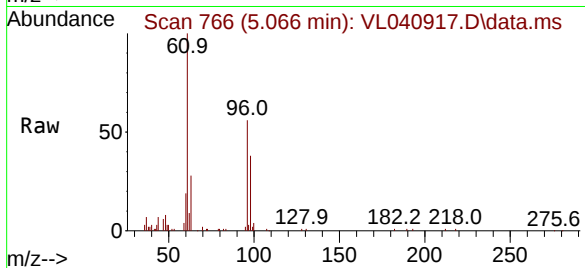
41 98.7 70.0 105.0





#31
 cis-1,2-Dichloroethene
 Concen: 0.489 ppbv
 RT: 5.066 min Scan# 765
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

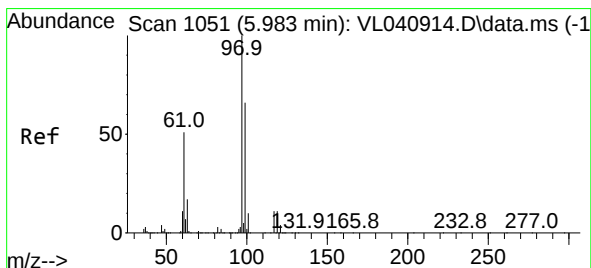
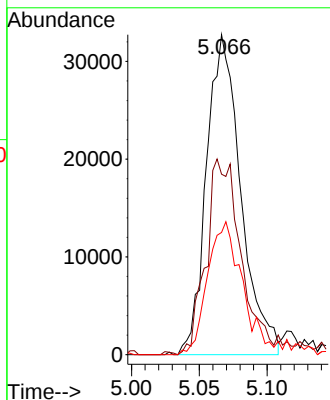
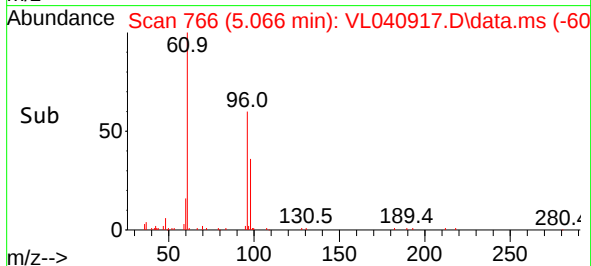
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



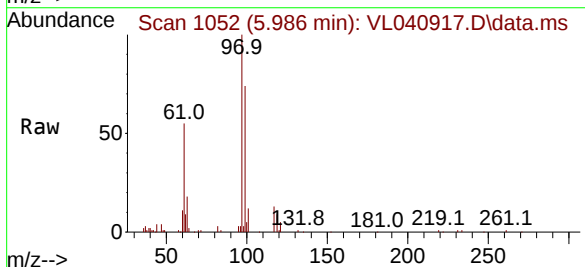
Tgt Ion: 61 Resp: 57572
 Ion Ratio Lower Upper
 61 100
 96 56.4 51.7 77.5
 98 38.2 33.2 49.8

Manual Integrations
 APPROVED

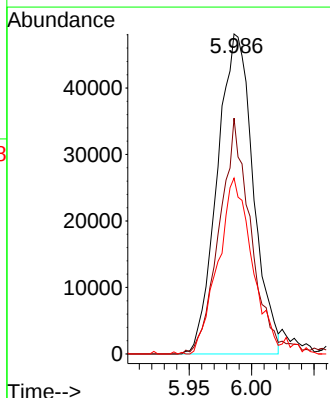
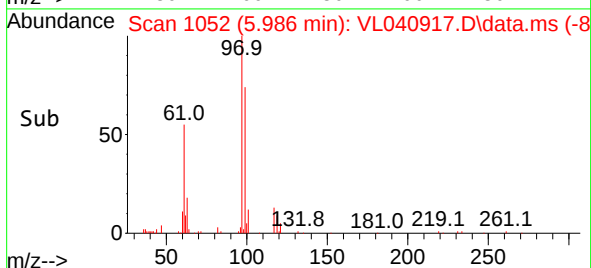
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

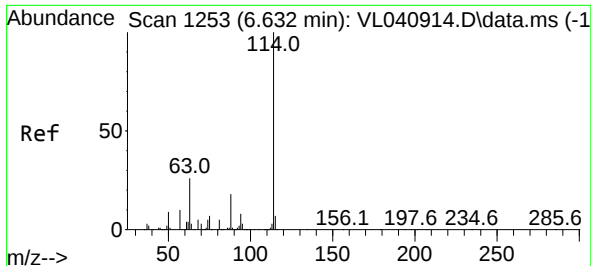


#32
 1,1,1-Trichloroethane
 Concen: 0.524 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02



Tgt Ion: 97 Resp: 96530
 Ion Ratio Lower Upper
 97 100
 99 66.2 51.8 77.6
 61 54.3 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 1114

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:114 Resp: 311577

Ion Ratio Lower Upper

114 100

63 25.8 21.0 31.6

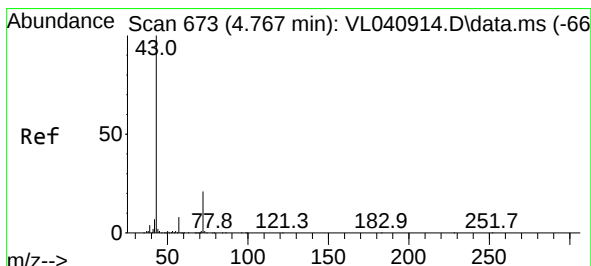
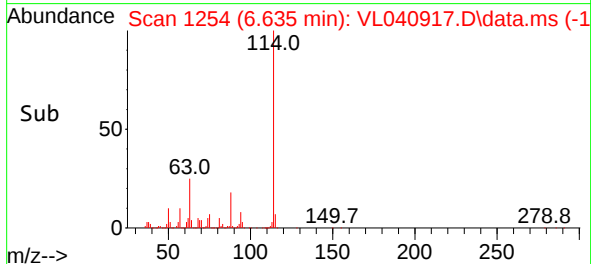
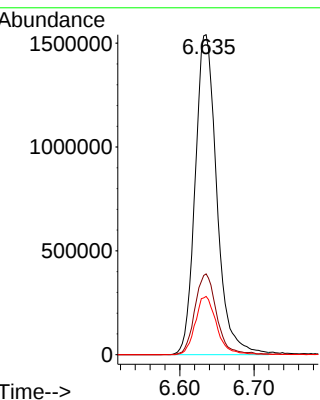
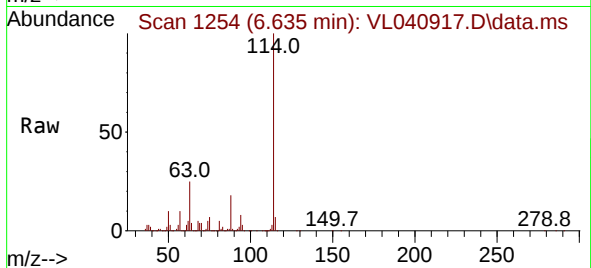
88 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#34

2-Butanone

Concen: 0.478 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.023 min

Lab File: VL040917.D

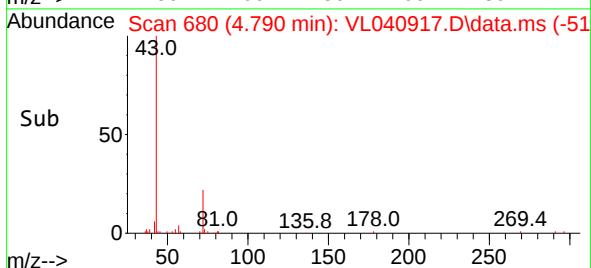
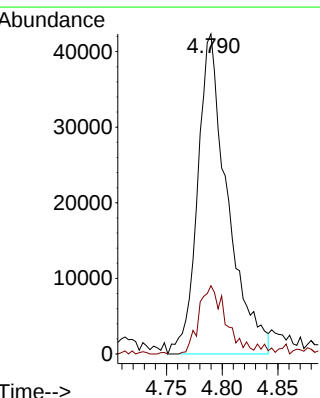
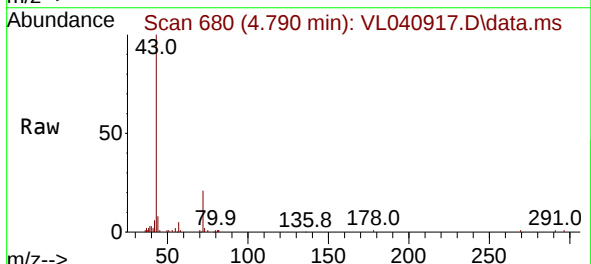
Acq: 20 Dec 2023 13:02

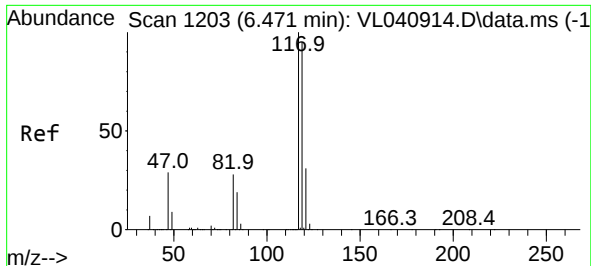
Tgt Ion: 43 Resp: 78855

Ion Ratio Lower Upper

43 100

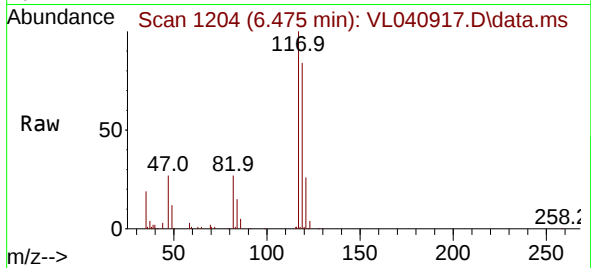
72 19.3 17.2 25.8





#35
Carbon Tetrachloride
Concen: 0.496 ppbv
RT: 6.475 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

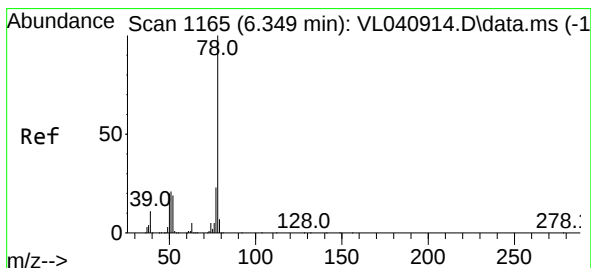
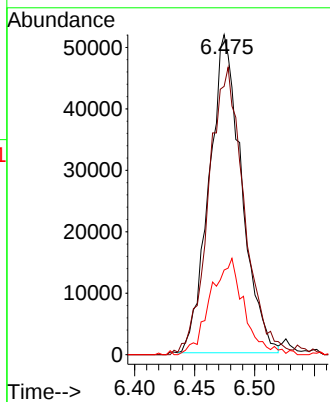
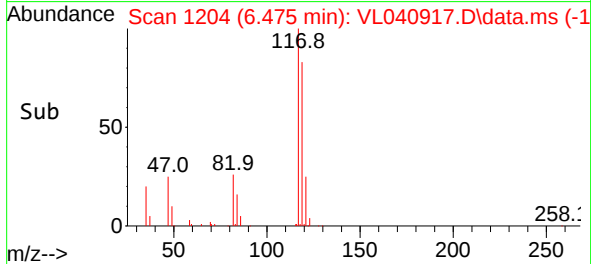
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



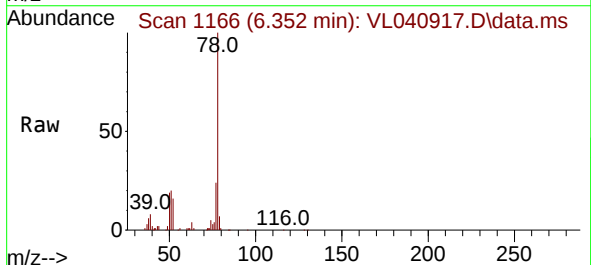
Tgt Ion:117 Resp: 97100
Ion Ratio Lower Upper
117 100
119 83.5 76.3 114.5
121 26.6 24.9 37.3

Manual Integrations
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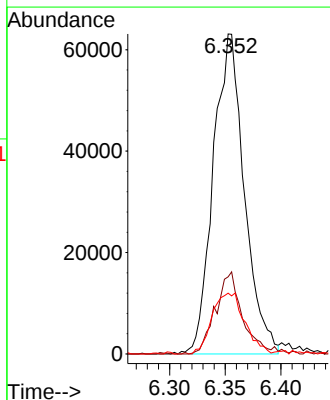
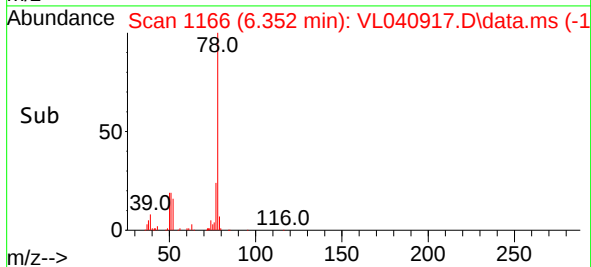
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

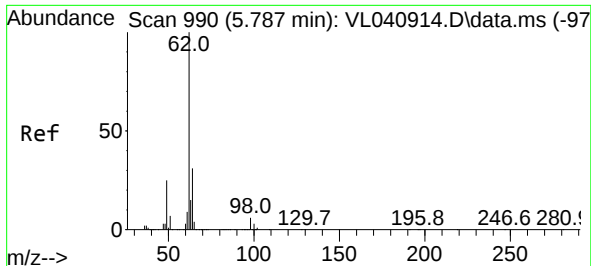


#36
Benzene
Concen: 0.503 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



Tgt Ion: 78 Resp: 122609
Ion Ratio Lower Upper
78 100
77 24.2 18.4 27.6
50 19.1 16.0 24.0





#37

1,2-Dichloroethane

Concen: 0.511 ppbv

RT: 5.790 min Scan# 990

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 7457

Ion Ratio Lower Upper

62 100

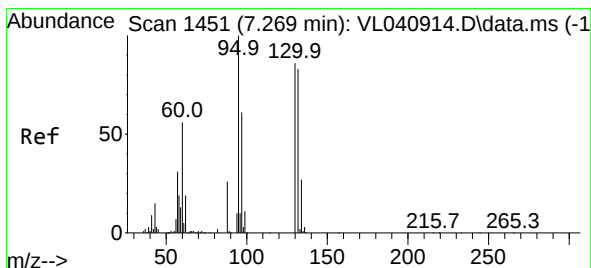
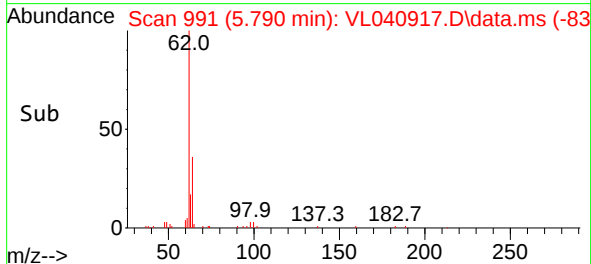
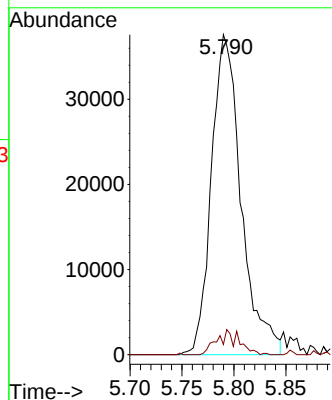
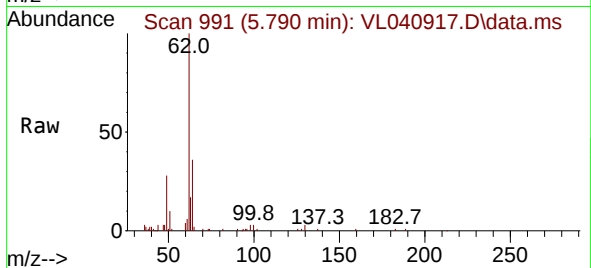
98 5.9 4.6 7.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023

Supervised By :Mahesh Dadoda 12/21/2023



#38

Trichloroethene

Concen: 0.492 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion:130 Resp: 46084

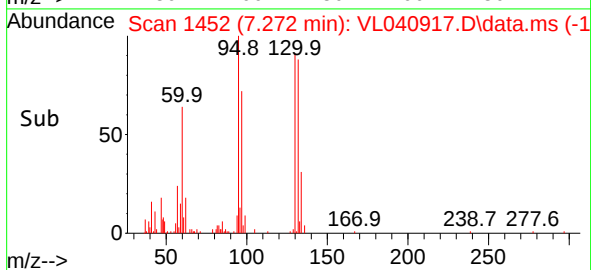
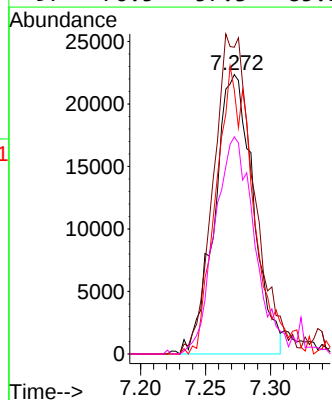
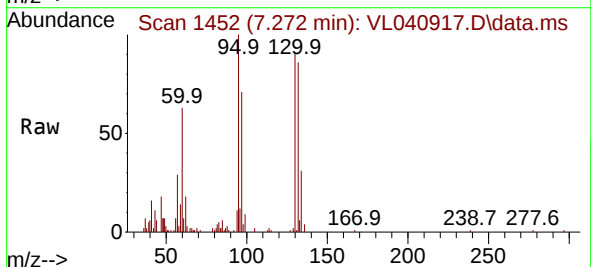
Ion Ratio Lower Upper

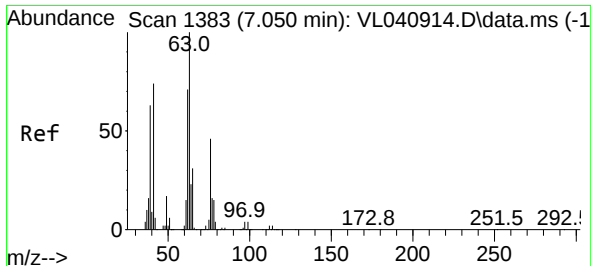
130 100

95 109.8 93.5 140.3

132 94.6 77.4 116.2

97 76.5 57.3 85.9





#39

1,2-Dichloropropane

Concen: 0.543 ppbv m

RT: 7.053 min Scan# 1462

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

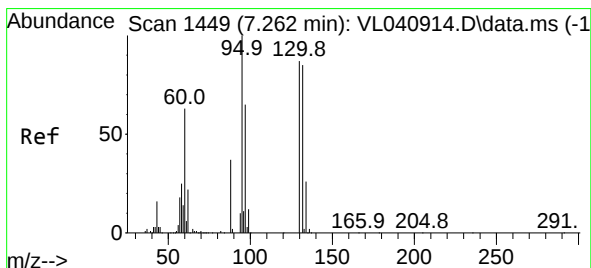
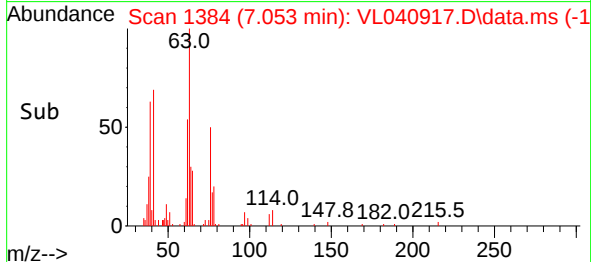
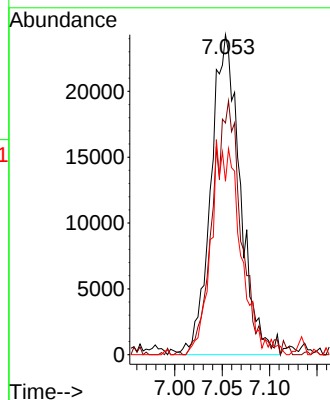
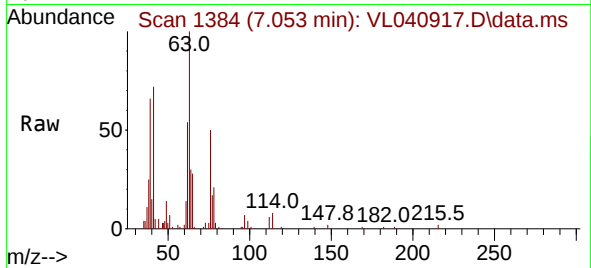
Tgt Ion: 63 Resp: 5215

Ion	Ratio	Lower	Upper
63	100		
41	72.4	59.0	88.6
62	54.2	56.6	85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#40

1,4-Dioxane

Concen: 0.577 ppbv m

RT: 7.304 min Scan# 1462

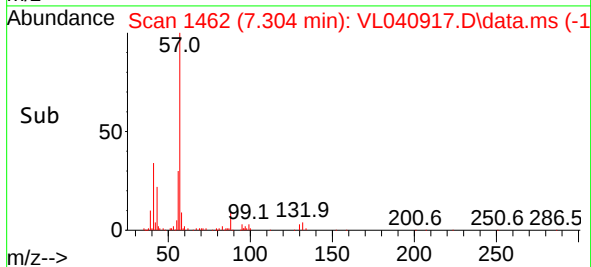
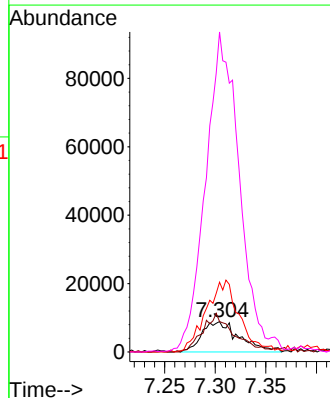
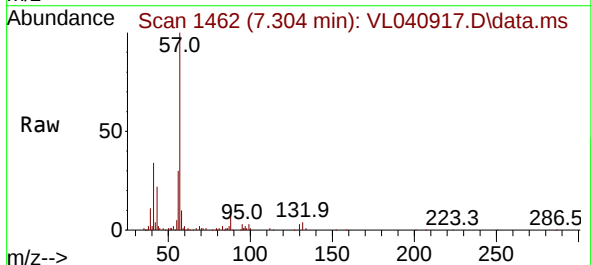
Delta R.T. 0.042 min

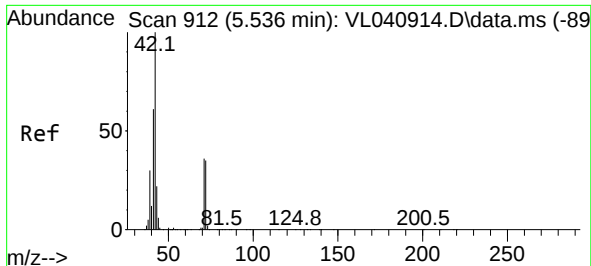
Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion: 88 Resp: 22934

Ion	Ratio	Lower	Upper
88	100		
58	0.0	97.3	145.9#
43	0.0	200.6	300.8#
57	0.0	842.8	1264.2#





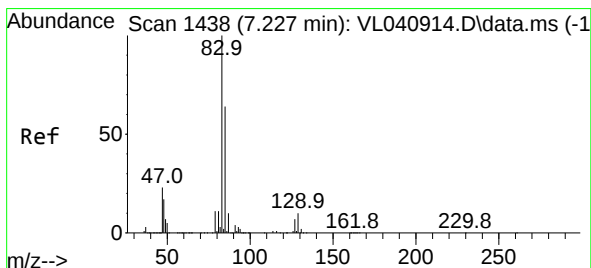
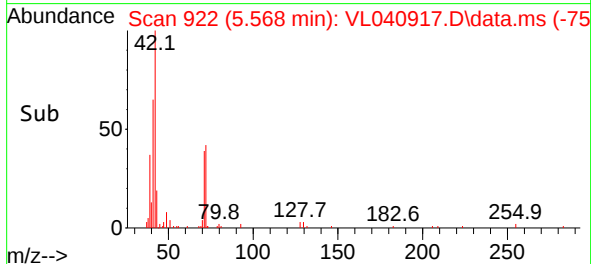
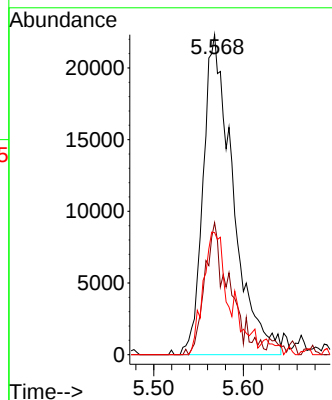
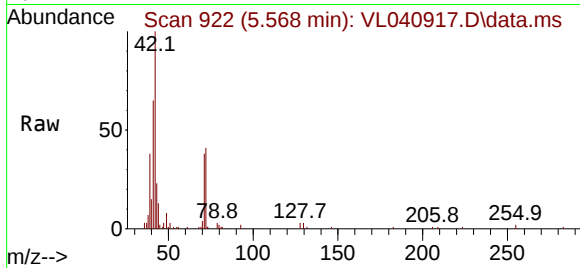
#41
Tetrahydrofuran
Concen: 0.516 ppbv m
RT: 5.568 min Scan# 912
Delta R.T. 0.032 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 51600
Ion Ratio Lower Upper
42 100
72 34.4 29.6 44.4
71 37.1 29.1 43.7

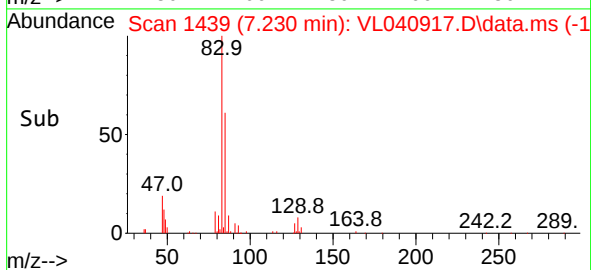
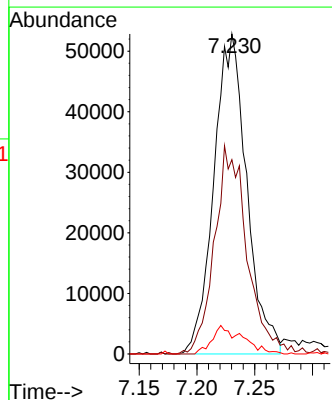
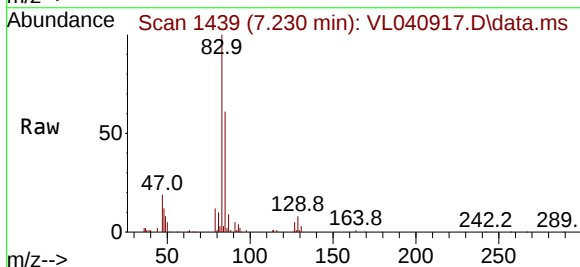
Manual Integrations
APPROVED

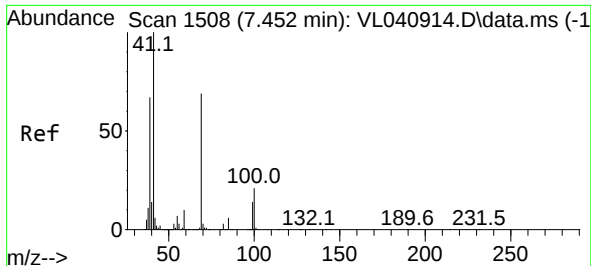
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#42
Bromodichloromethane
Concen: 0.497 ppbv
RT: 7.230 min Scan# 1439
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 83 Resp: 104690
Ion Ratio Lower Upper
83 100
85 60.3 51.4 77.0
127 5.0 5.9 8.9





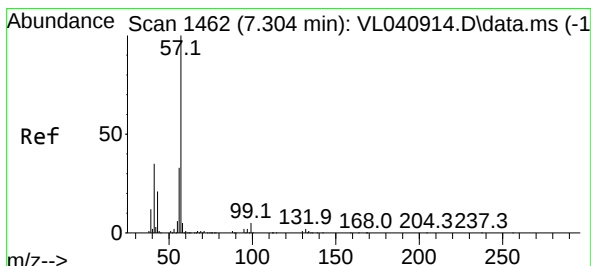
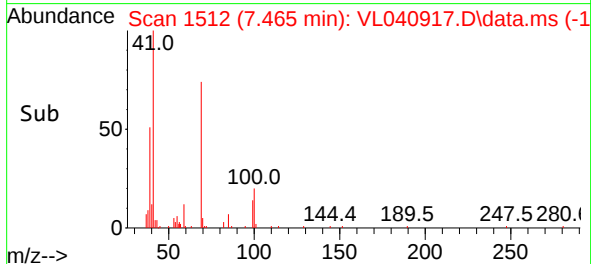
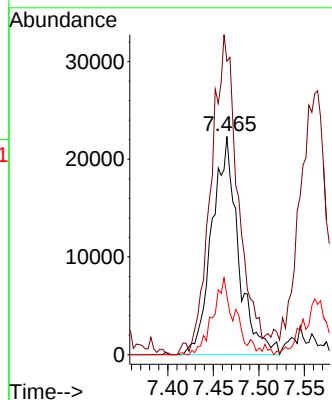
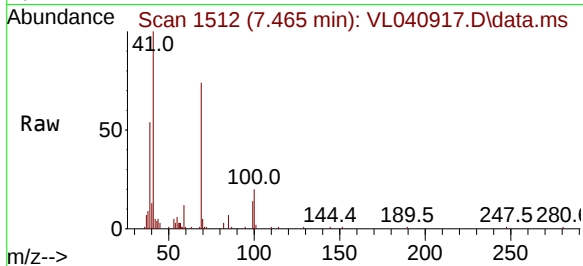
#43
Methyl Methacrylate
Concen: 0.475 ppbv
RT: 7.465 min Scan# 1512
Delta R.T. 0.013 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 45098
Ion Ratio Lower Upper
69 100
41 0.0 119.9 179.9
100 0.0 25.1 37.7

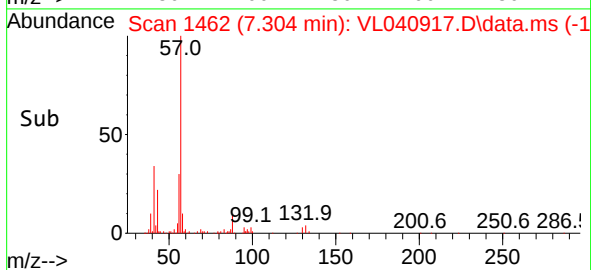
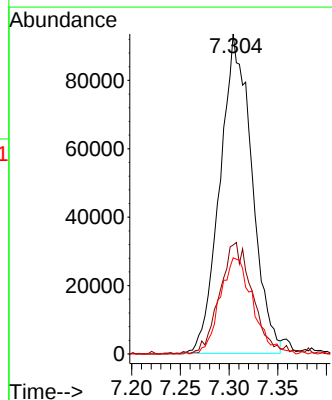
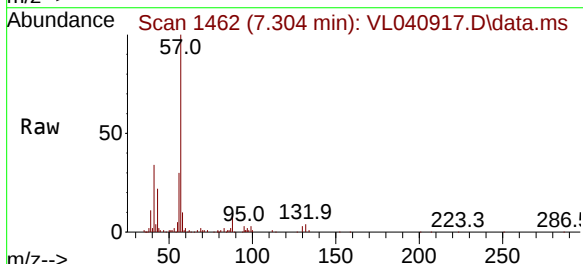
Manual Integrations
APPROVED

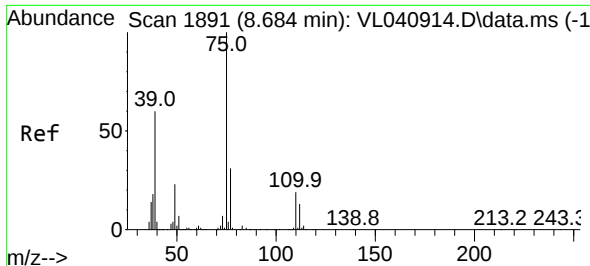
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#44
2,2,4-Trimethylpentane
Concen: 0.514 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

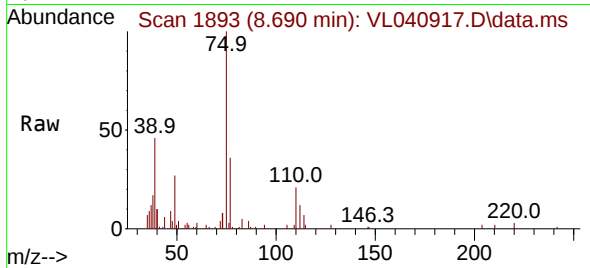
Tgt Ion: 57 Resp: 212805
Ion Ratio Lower Upper
57 100
41 36.8 28.2 42.4
56 31.2 25.3 37.9





#45
t-1,3-Dichloropropene
Concen: 0.410 ppbv m
RT: 8.690 min Scan# 1891
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

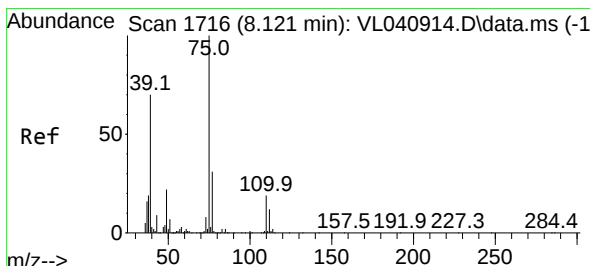
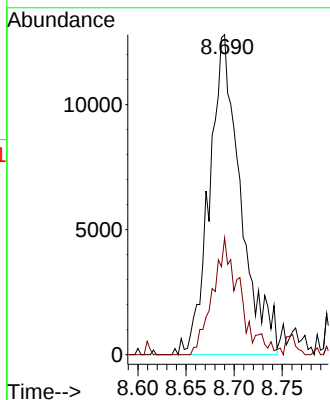
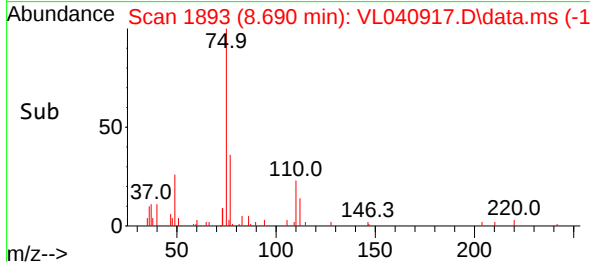
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 75 Resp: 28839
Ion Ratio Lower Upper
75 100
77 36.5 24.8 37.2

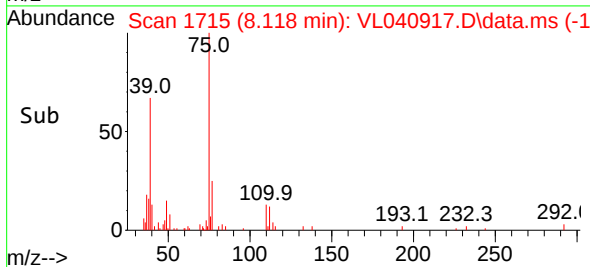
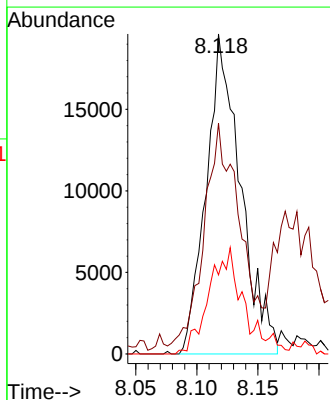
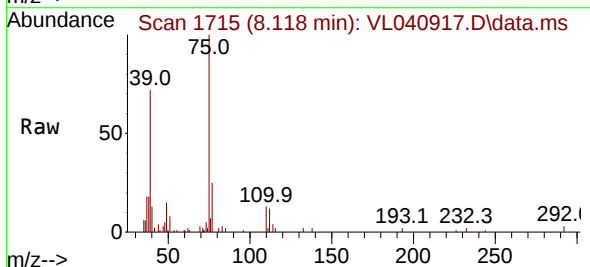
Manual Integrations
APPROVED

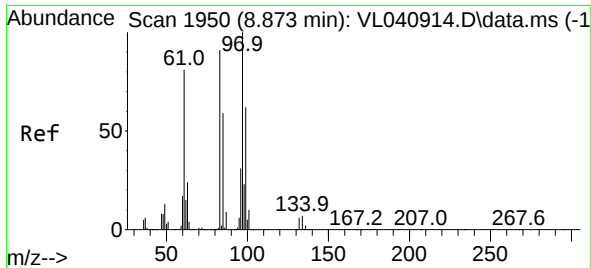
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#46
cis-1,3-Dichloropropene
Concen: 0.437 ppbv m
RT: 8.118 min Scan# 1715
Delta R.T. -0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

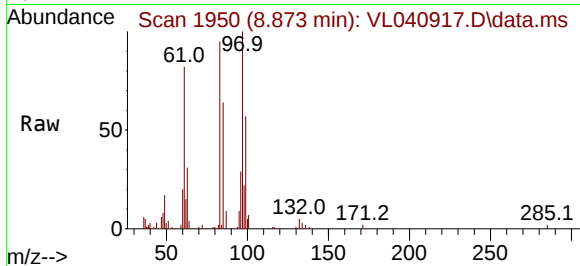
Tgt Ion: 75 Resp: 38327
Ion Ratio Lower Upper
75 100
39 72.1 56.2 84.4
77 24.7 24.5 36.7





#47
1,1,2-Trichloroethane
Concen: 0.501 ppbv
RT: 8.873 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

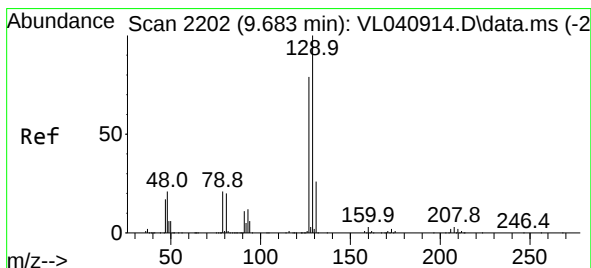
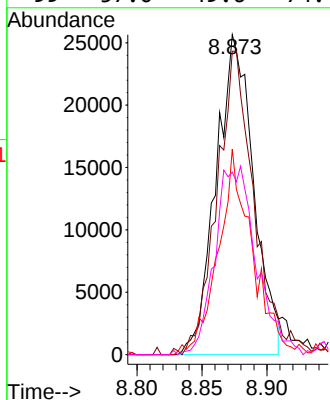
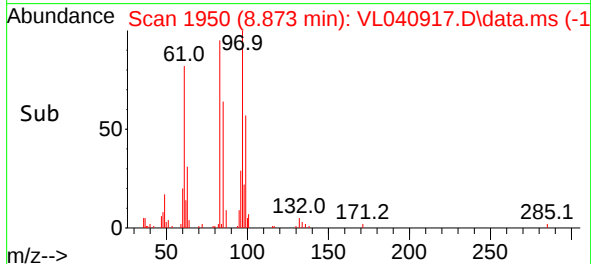
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 97 Resp: 51499
Ion Ratio Lower Upper
97 100
83 93.6 72.6 108.8
85 63.2 47.4 71.0
99 57.0 49.6 74.4

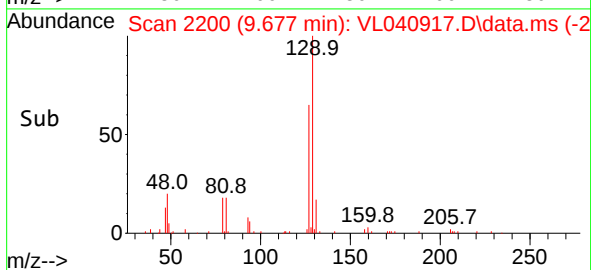
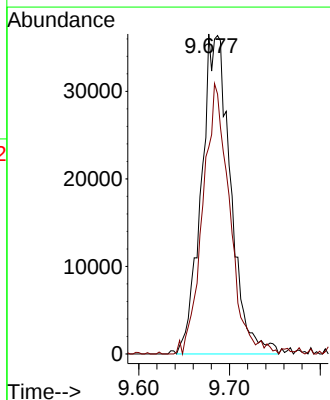
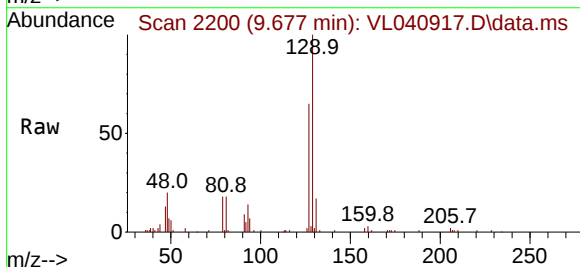
Manual Integrations
APPROVED

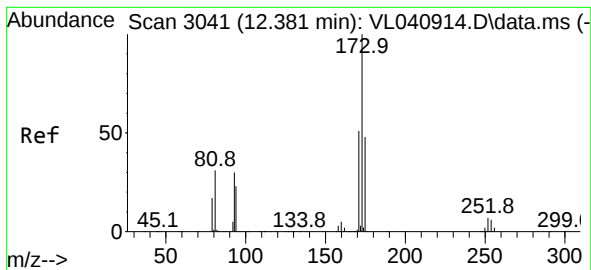
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#48
Dibromochloromethane
Concen: 0.473 ppbv m
RT: 9.677 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion:129 Resp: 82110
Ion Ratio Lower Upper
129 100
127 77.1 39.6 119.0





#49

Bromoform

Concen: 0.434 ppbv m

RT: 12.375 min Scan# 3041

Delta R.T. -0.006 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

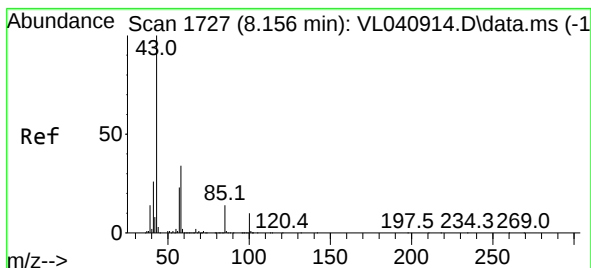
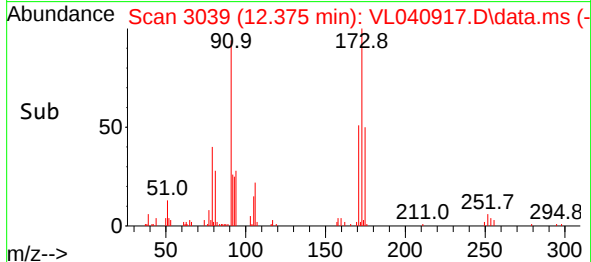
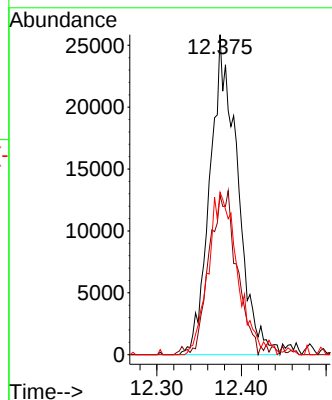
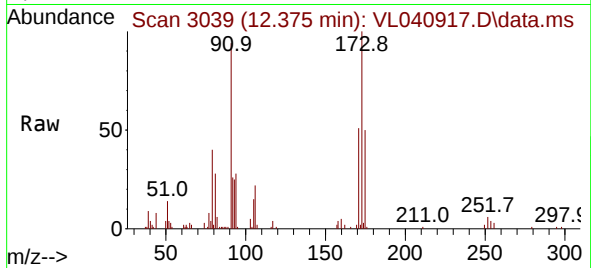
VSTDIC0.5

Tgt Ion:173	Resp:	58240
Ion Ratio	Lower	Upper
173	100	
175	53.6	39.3 58.9
171	0.0	41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#50

4-Methyl-2-Pentanone

Concen: 0.501 ppbv m

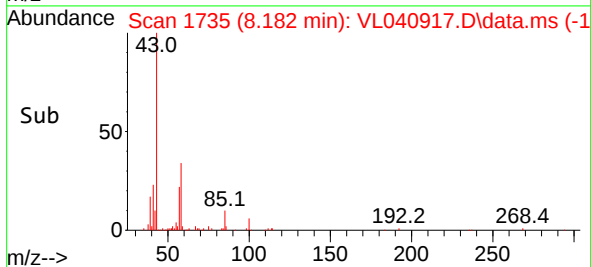
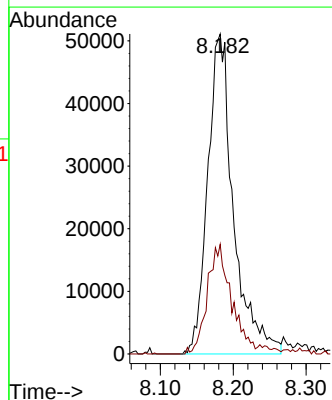
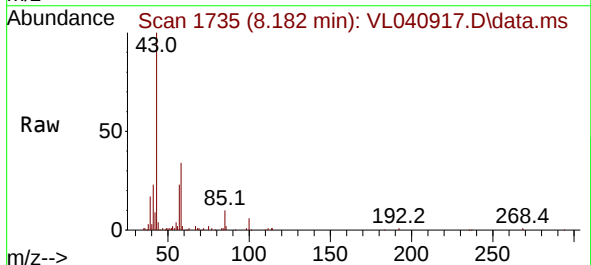
RT: 8.182 min Scan# 1735

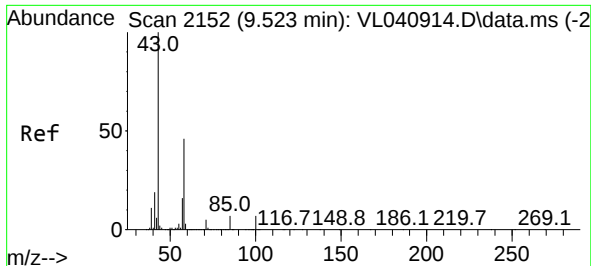
Delta R.T. 0.026 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Tgt Ion: 43	Resp:	125468
Ion Ratio	Lower	Upper
43	100	
58	34.7	27.4 41.0





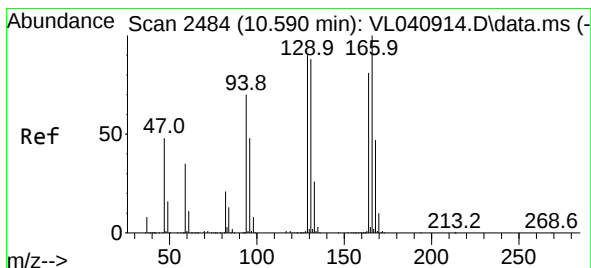
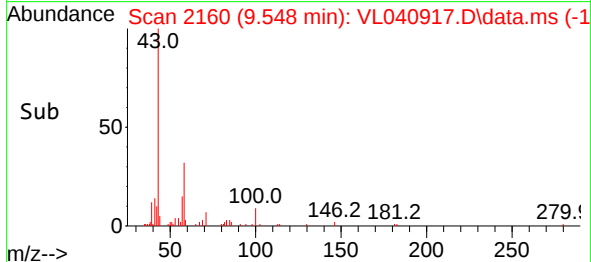
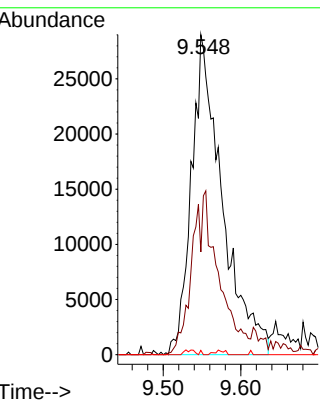
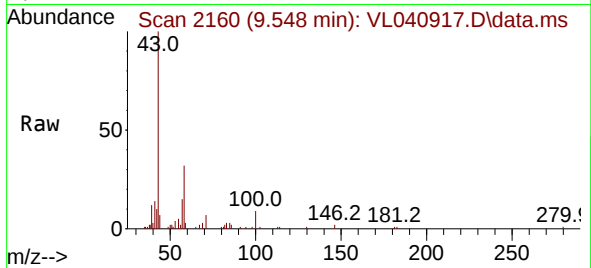
#51
2-Hexanone
Concen: 0.444 ppbv m
RT: 9.548 min Scan# 2152
Delta R.T. 0.026 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 7985
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9
98 1.0 0.2 0.2

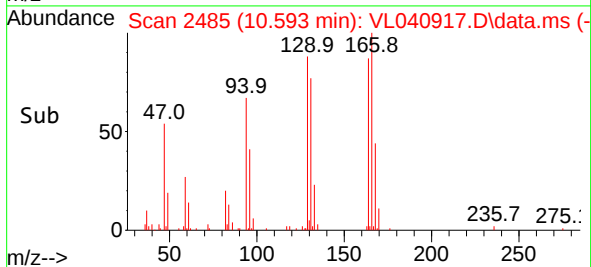
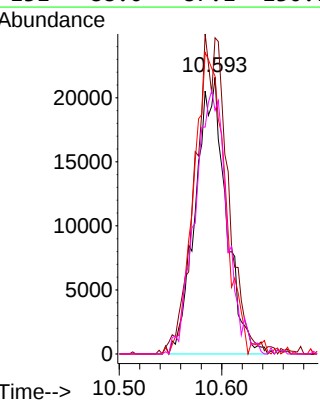
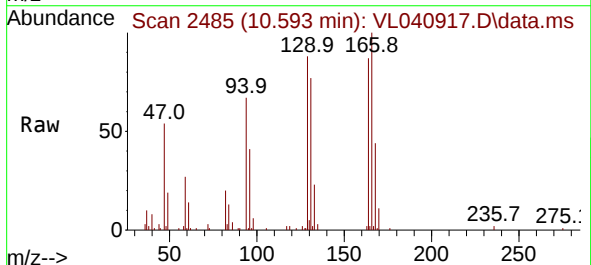
Manual Integrations
APPROVED

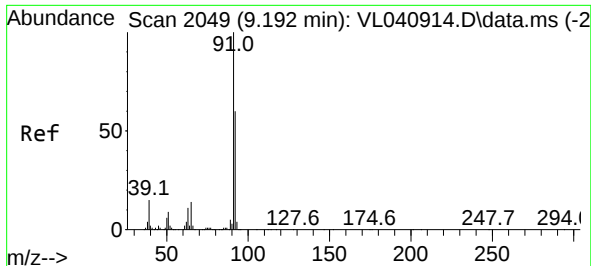
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#52
Tetrachloroethene
Concen: 0.543 ppbv m
RT: 10.593 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

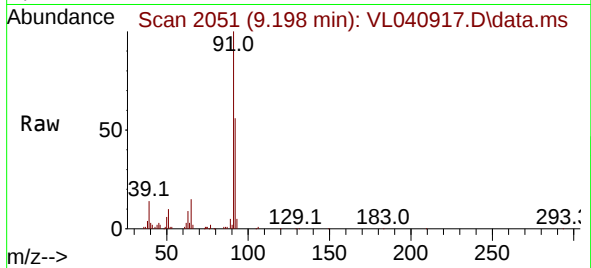
Tgt Ion:164 Resp: 44589
Ion Ratio Lower Upper
164 100
166 114.3 98.9 148.3
129 100.3 88.7 133.1
131 88.0 87.1 130.7





#53
Toluene
Concen: 0.464 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

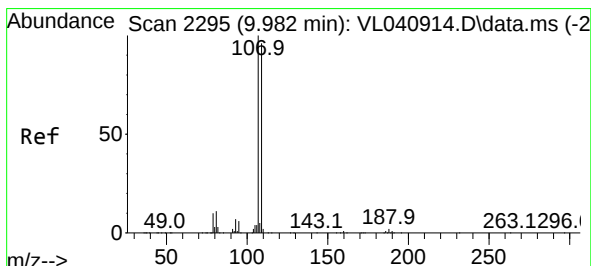
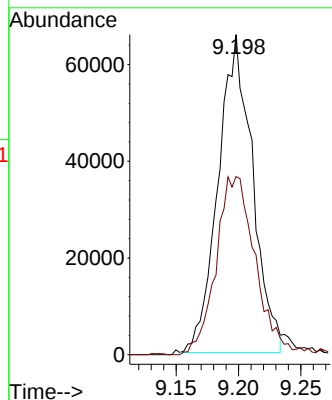
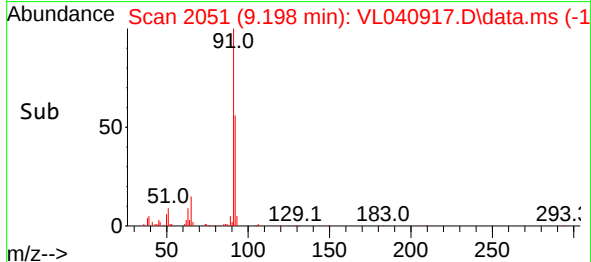
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



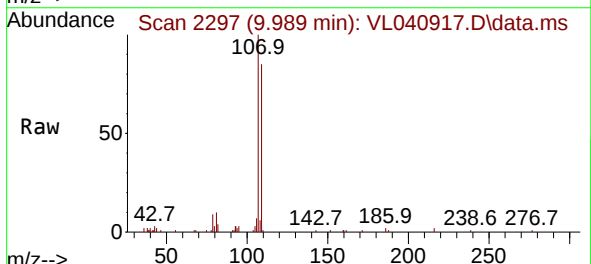
Tgt Ion: 91 Resp: 126163
Ion Ratio Lower Upper
91 100
92 65.3 49.2 73.8

Manual Integrations
APPROVED

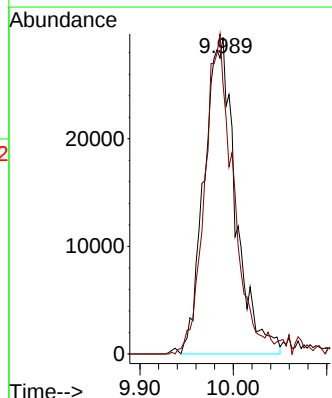
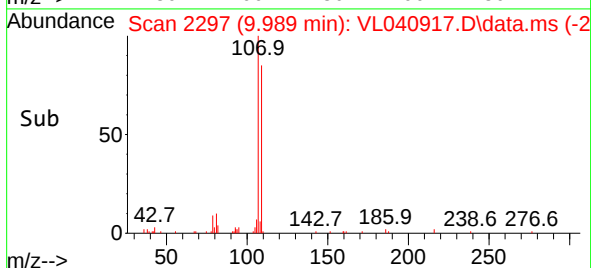
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

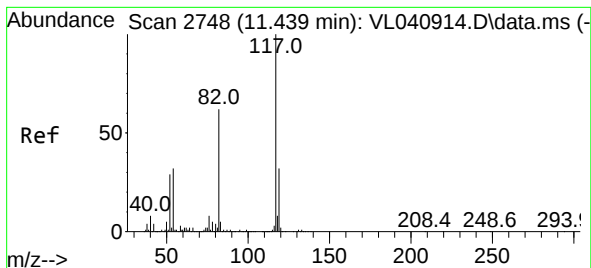


#54
1,2-Dibromoethane
Concen: 0.490 ppbv m
RT: 9.989 min Scan# 2297
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



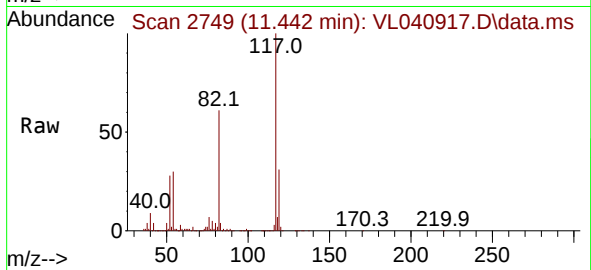
Tgt Ion:107 Resp: 68765
Ion Ratio Lower Upper
107 100
109 85.0 77.0 115.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

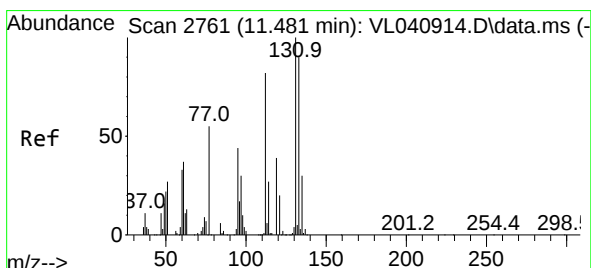
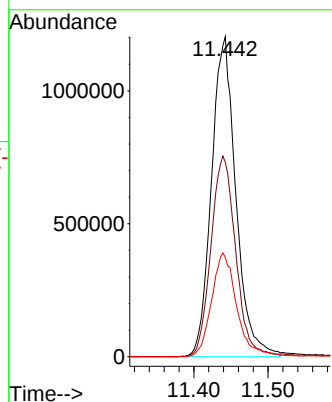
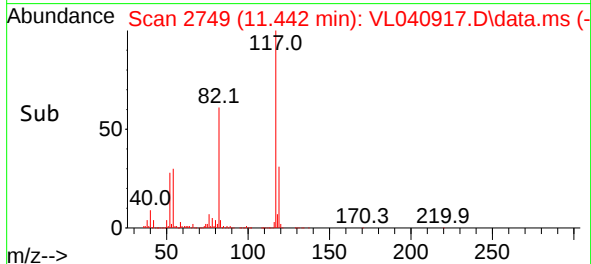
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



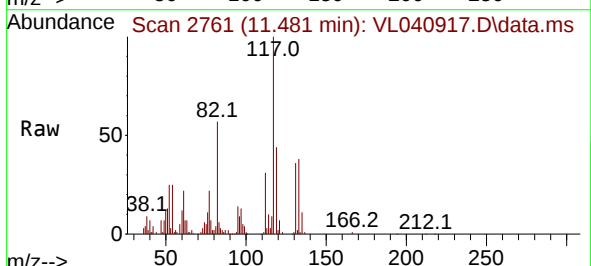
Tgt Ion:117 Resp: 274775
Ion Ratio Lower Upper
117 100
82 64.1 49.6 74.4
119 33.9 23.4 35.0

Manual Integrations
APPROVED

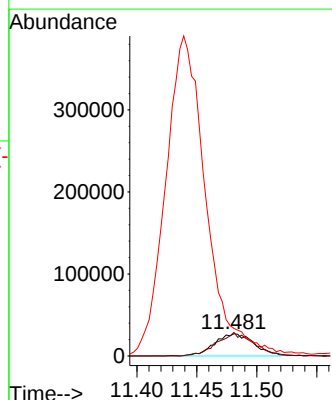
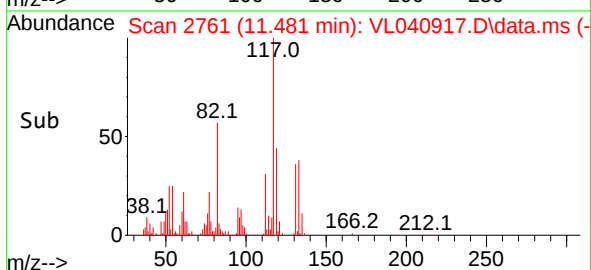
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

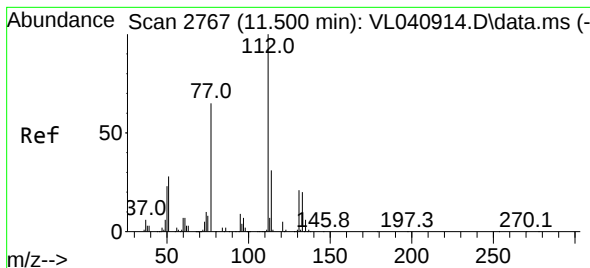


#56
1,1,1,2-Tetrachloroethane
Concen: 0.513 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



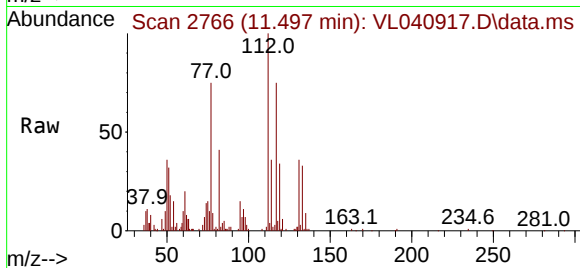
Tgt Ion:131 Resp: 61690
Ion Ratio Lower Upper
131 100
133 99.8 76.3 114.5
119 1503.0 48.6 73.0#





#57
Chlorobenzene
Concen: 0.517 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. -0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

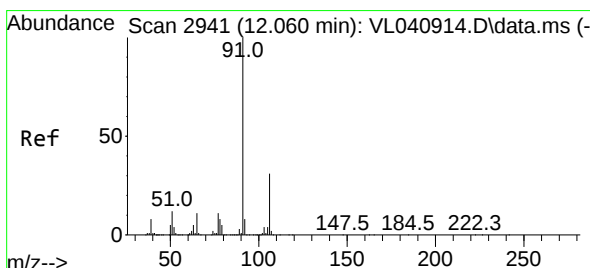
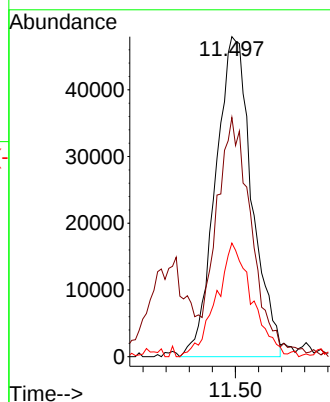
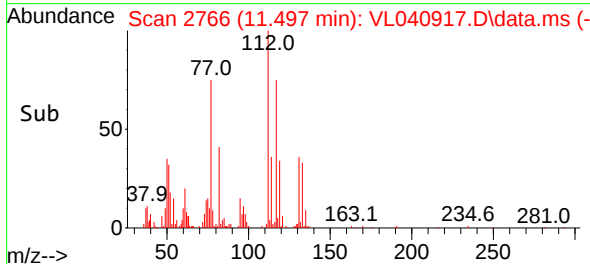
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:112 Resp: 104892
Ion Ratio Lower Upper
112 100
77 72.7 52.7 79.1
114 36.0 28.4 34.7

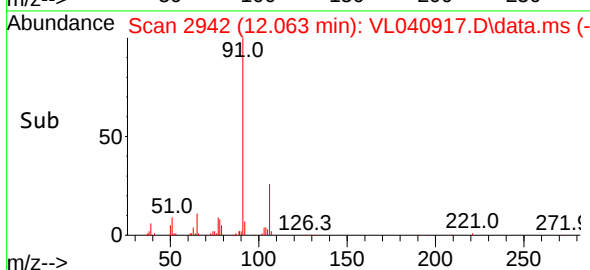
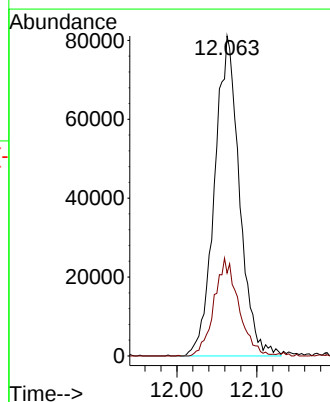
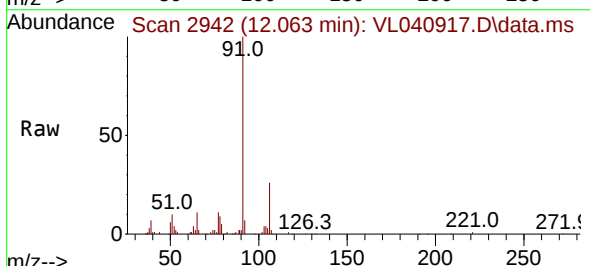
Manual Integrations
APPROVED

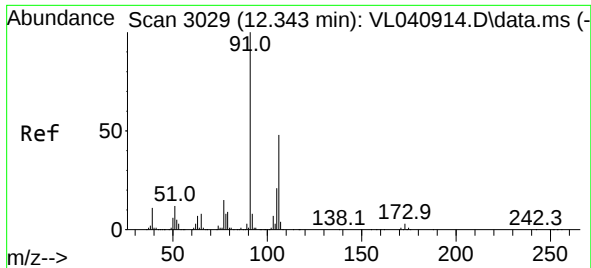
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#58
Ethyl Benzene
Concen: 0.498 ppbv m
RT: 12.063 min Scan# 2942
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion: 91 Resp: 175688
Ion Ratio Lower Upper
91 100
106 25.9 24.9 37.3





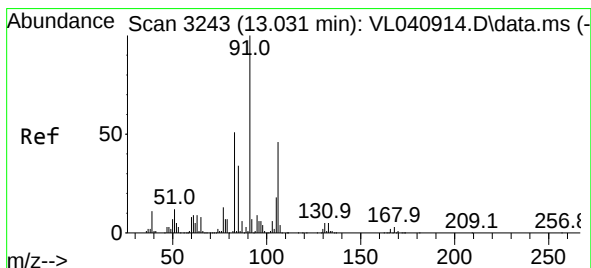
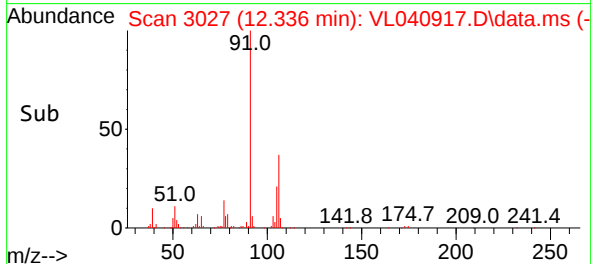
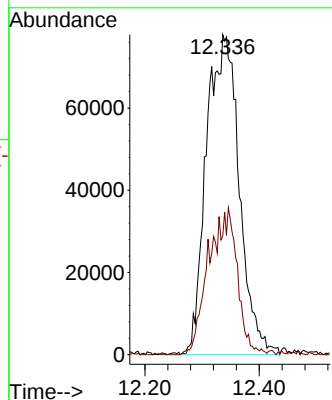
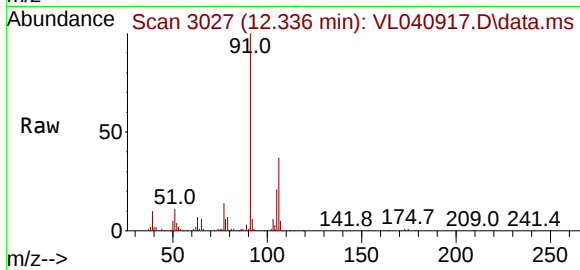
#59
m/p-Xylene
Concen: 1.035 ppbv m
RT: 12.336 min Scan# 3029
Delta R.T. -0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 310590
Ion Ratio Lower Upper
91 100
106 40.5 0.0 0.0

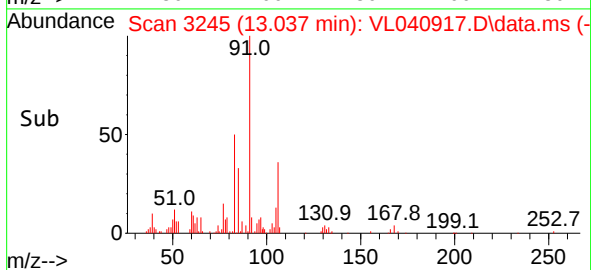
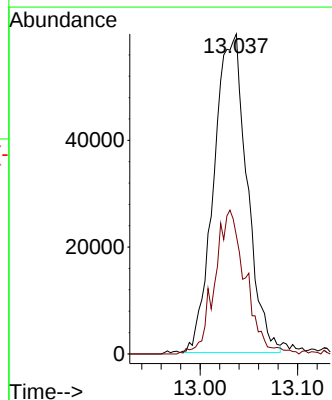
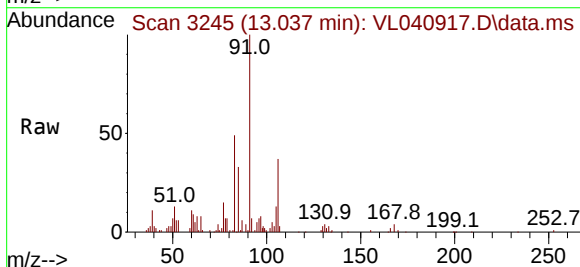
Manual Integrations
APPROVED

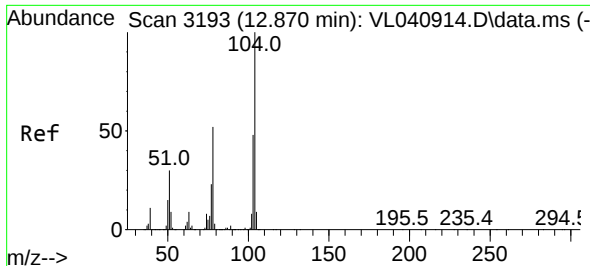
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#60
o-Xylene
Concen: 0.498 ppbv
RT: 13.037 min Scan# 3245
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

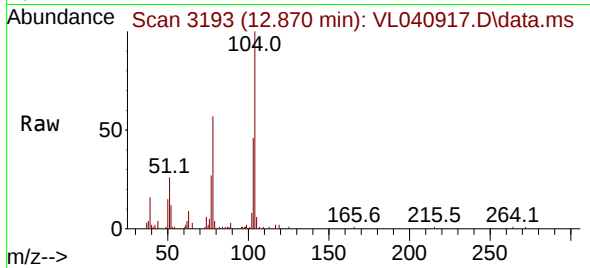
Tgt Ion: 91 Resp: 140792
Ion Ratio Lower Upper
91 100
106 42.5 22.6 67.7





#61
Styrene
Concen: 0.426 ppbv m
RT: 12.870 min Scan# 3193
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

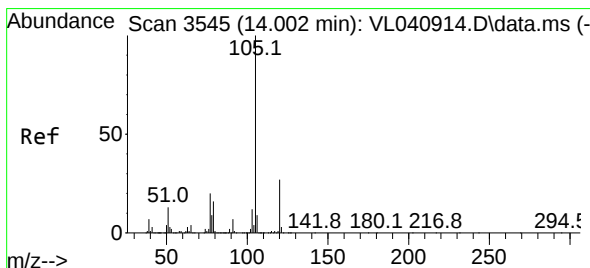
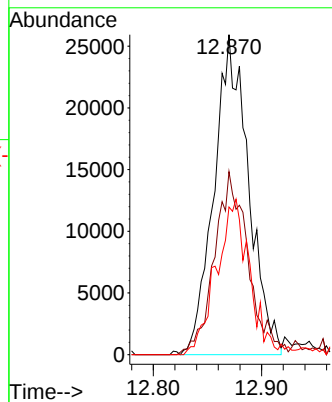
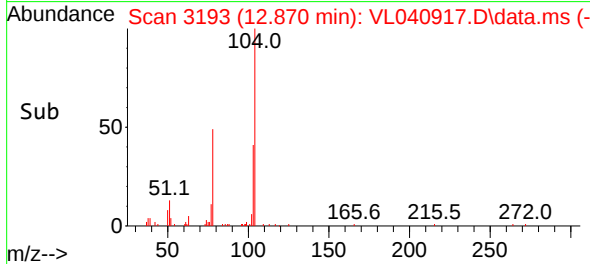
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



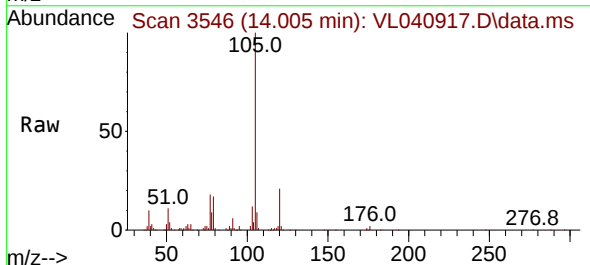
Tgt Ion:104 Resp: 5751
Ion Ratio Lower Upper
104 100
78 55.5 43.0 64.4
103 0.0 37.6 56.4

Manual Integrations
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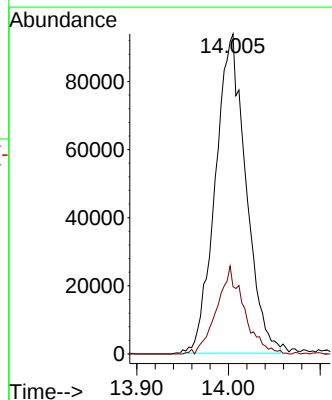
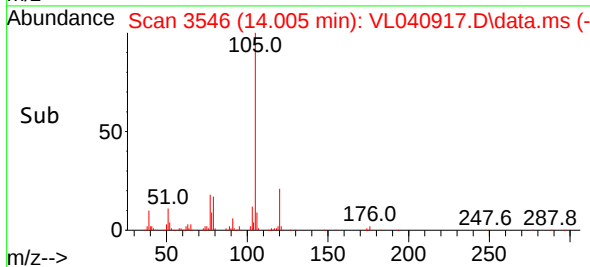
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

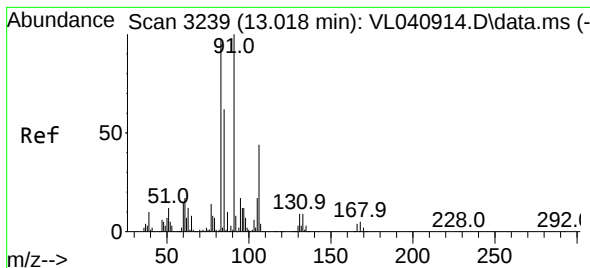


#62
Isopropylbenzene
Concen: 0.518 ppbv
RT: 14.005 min Scan# 3546
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



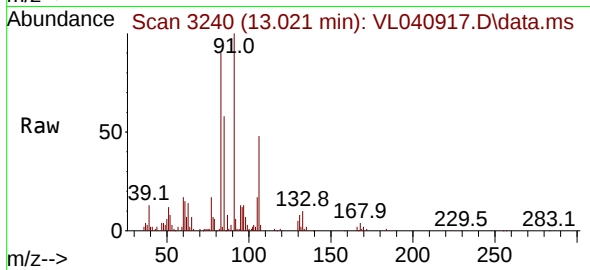
Tgt Ion:105 Resp: 217085
Ion Ratio Lower Upper
105 100
120 24.6 20.7 31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 0.539 ppbv
RT: 13.021 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

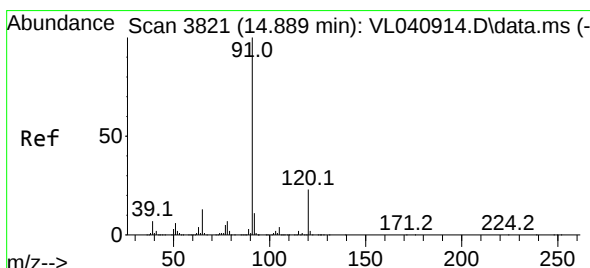
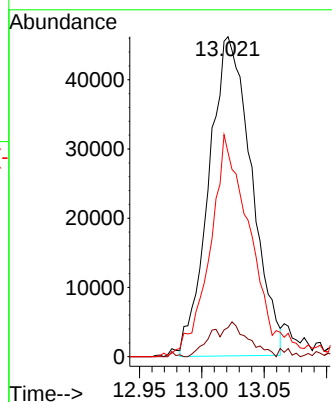
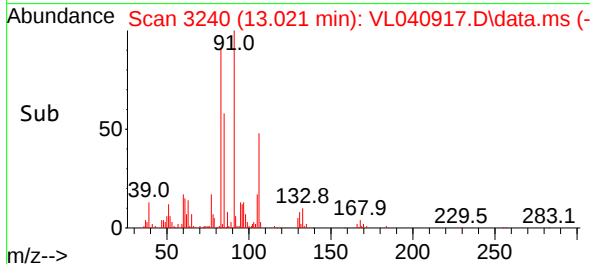
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 83 Resp: 10950
Ion Ratio Lower Upper
83 100
131 10.1 4.7 14.0
85 70.1 32.6 98.0

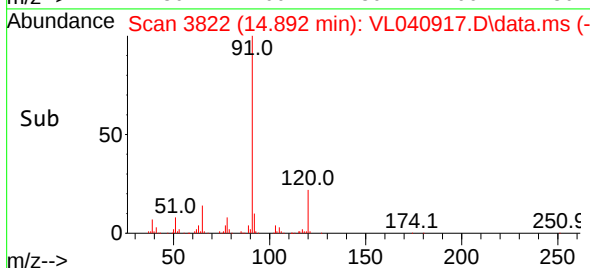
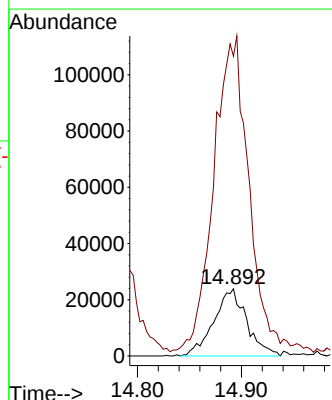
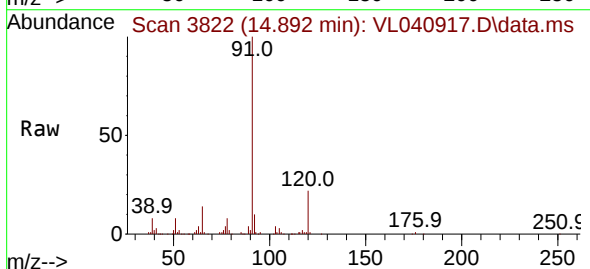
Manual Integrations
APPROVED

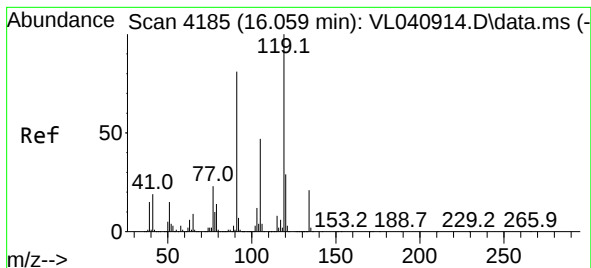
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#64
n-propylbenzene
Concen: 0.493 ppbv m
RT: 14.892 min Scan# 3822
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Tgt Ion:120 Resp: 52233
Ion Ratio Lower Upper
120 100
91 539.6 381.9 572.9





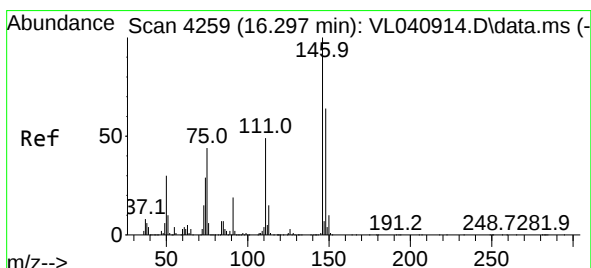
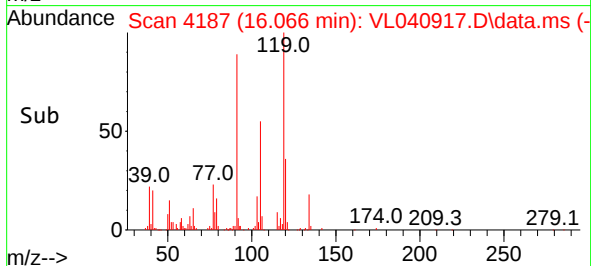
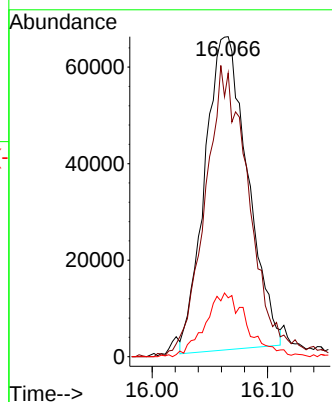
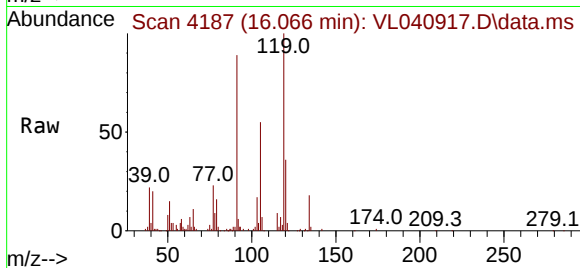
#65
tert-Butylbenzene
Concen: 0.462 ppbv
RT: 16.066 min Scan# 4185
Delta R.T. 0.006 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 119 Resp: 16737
Ion Ratio Lower Upper
119 100
91 97.3 67.2 100.8
134 20.2 15.8 23.6

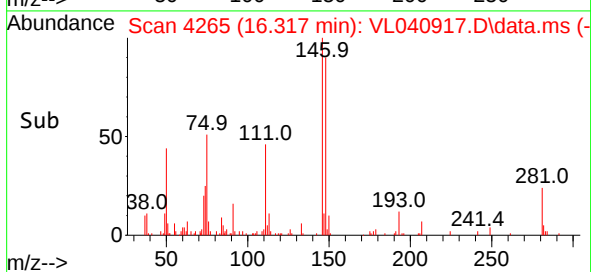
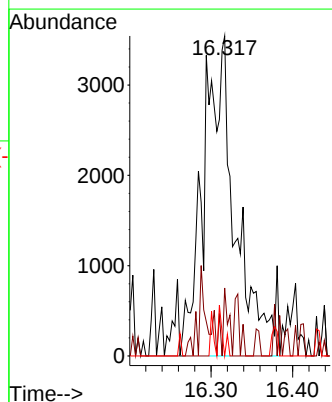
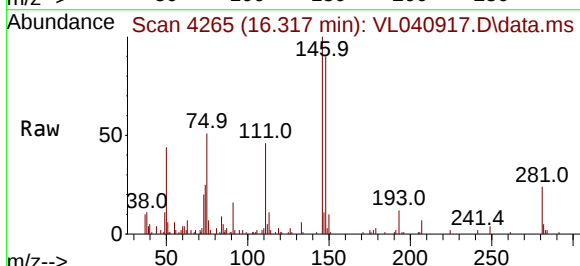
Manual Integrations
APPROVED

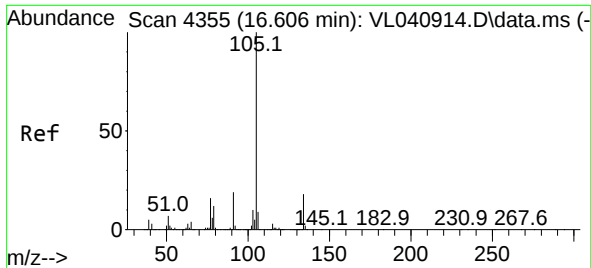
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#66
Benzyl Chloride
Concen: 0.394 ppbv m
RT: 16.317 min Scan# 4265
Delta R.T. 0.019 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

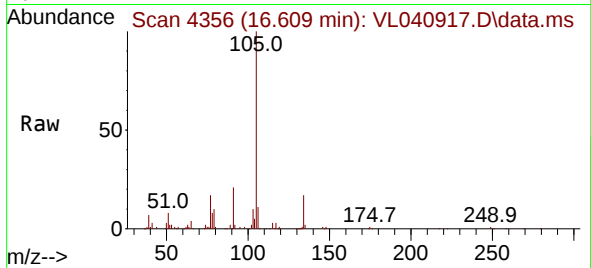
Tgt Ion: 91 Resp: 9664
Ion Ratio Lower Upper
91 100
126 6.4 14.1 21.1#
128 3.4 4.6 6.8#





#67
 sec-Butylbenzene
 Concen: 0.512 ppbv
 RT: 16.609 min Scan# 4355
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

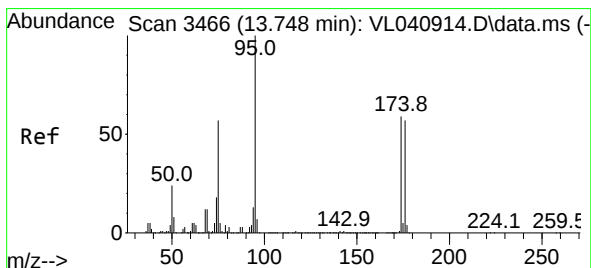
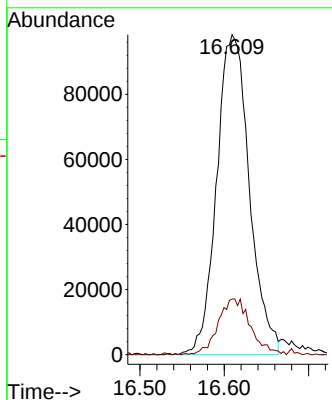
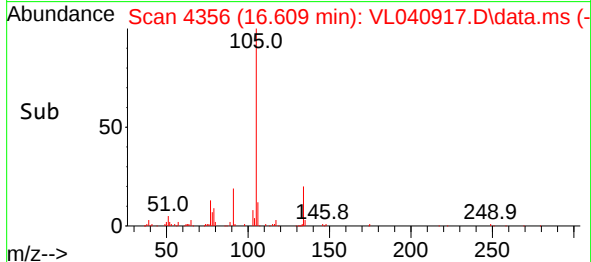
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 105 Resp: 26533
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.4 21.6

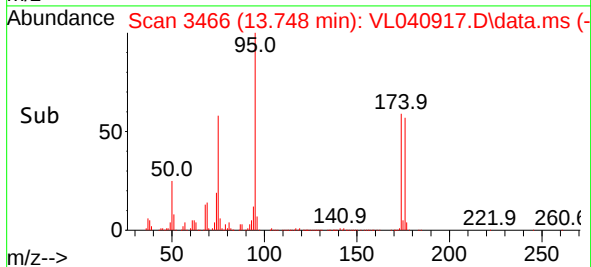
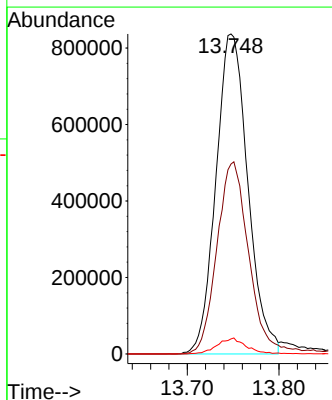
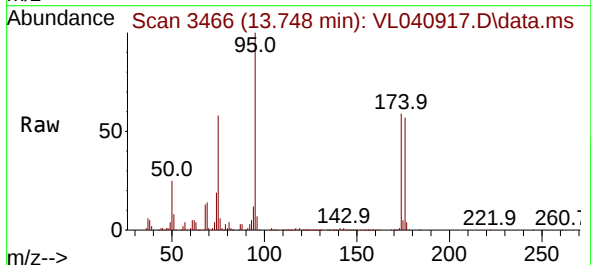
Manual Integrations
 APPROVED

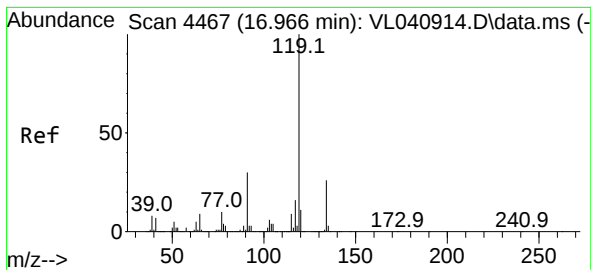
Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.003 ppbv
 RT: 13.748 min Scan# 3466
 Delta R.T. 0.000 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Tgt Ion: 95 Resp: 2024558
 Ion Ratio Lower Upper
 95 100
 174 61.9 48.0 72.0
 175 4.7 3.7 5.5





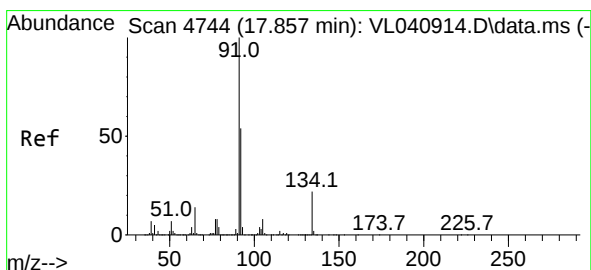
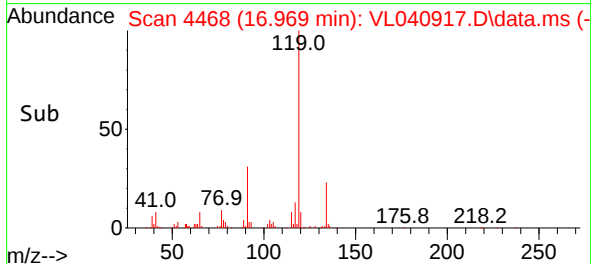
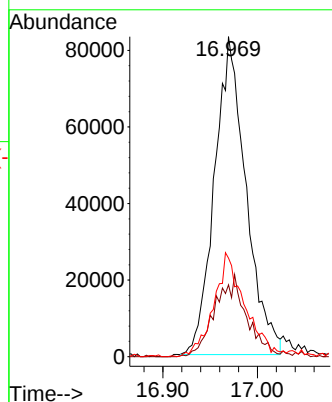
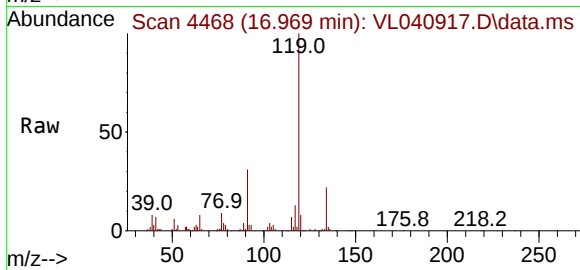
#69
p-Isopropyltoluene
Concen: 0.478 ppbv
RT: 16.969 min Scan# 4468
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 192278
Ion Ratio Lower Upper
119 100
134 26.7 20.3 30.5
91 33.2 24.1 36.1

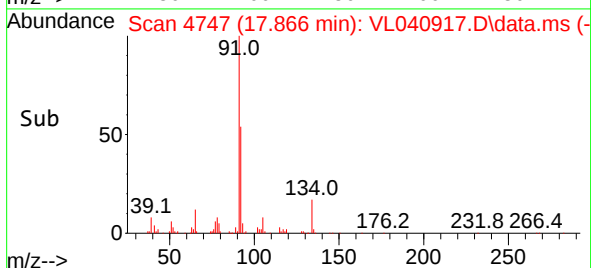
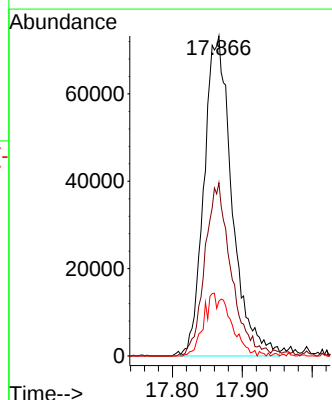
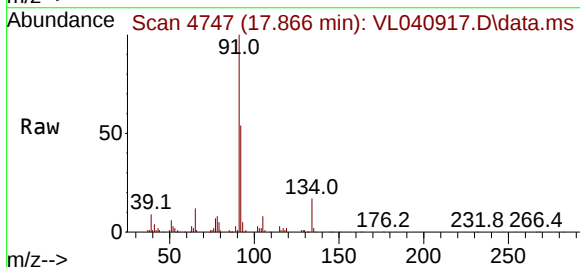
Manual Integrations
APPROVED

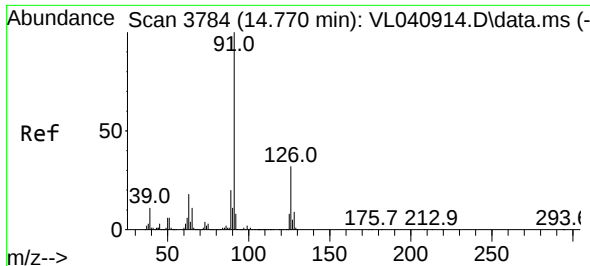
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#70
n-Butylbenzene
Concen: 0.489 ppbv m
RT: 17.866 min Scan# 4747
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

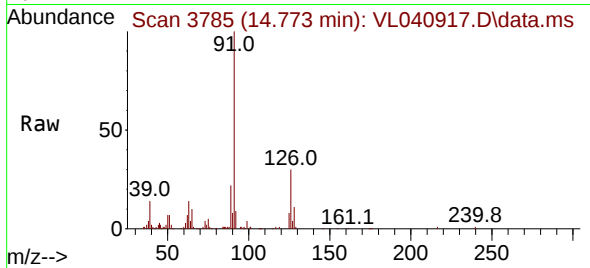
Tgt Ion: 91 Resp: 204568
Ion Ratio Lower Upper
91 100
92 0.0 43.4 65.0#
134 18.9 17.6 26.4





#71
2-Chlorotoluene
Concen: 0.506 ppbv
RT: 14.773 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

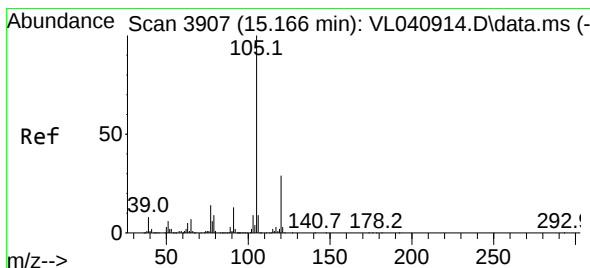
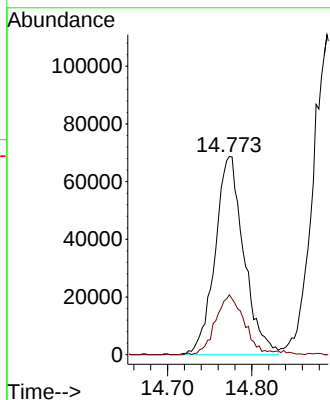
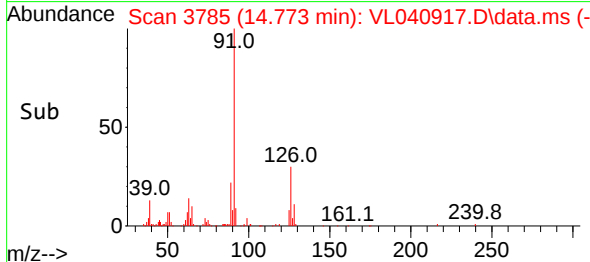
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



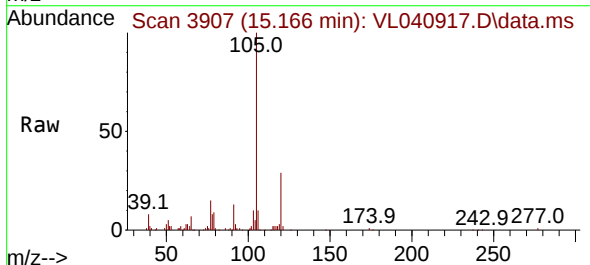
Tgt Ion: 91 Resp: 163378
Ion Ratio Lower Upper
91 100
126 30.8 12.4 49.6

Manual Integrations
APPROVED

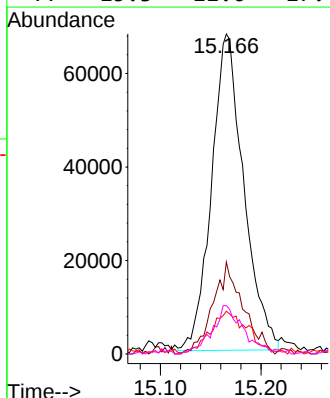
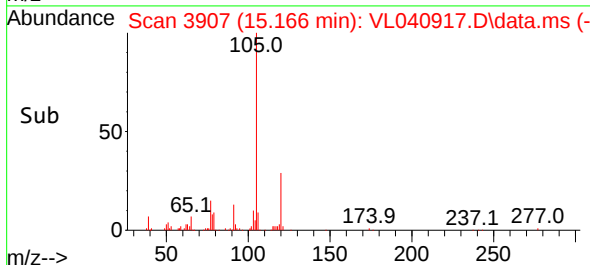
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

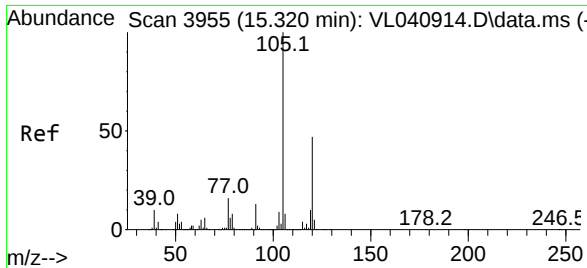


#72
4-Ethyltoluene
Concen: 0.485 ppbv
RT: 15.166 min Scan# 3907
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



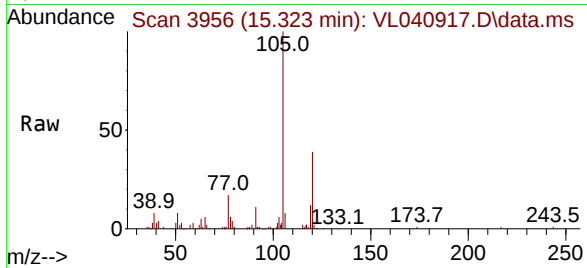
Tgt Ion:105 Resp: 150697
Ion Ratio Lower Upper
105 100
120 28.0 23.8 35.8
91 14.1 10.9 16.3
77 15.3 11.6 17.4





#73
1,3,5-Trimethylbenzene
Concen: 0.477 ppbv
RT: 15.323 min Scan# 3955
Delta R.T. 0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

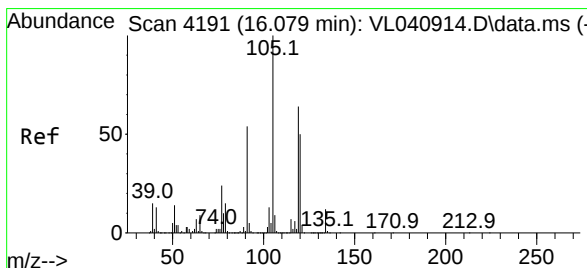
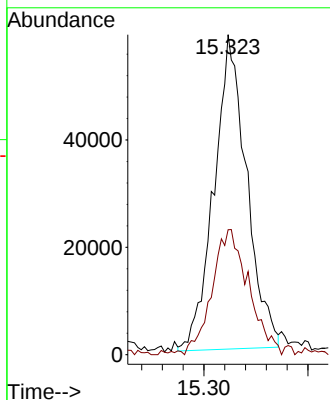
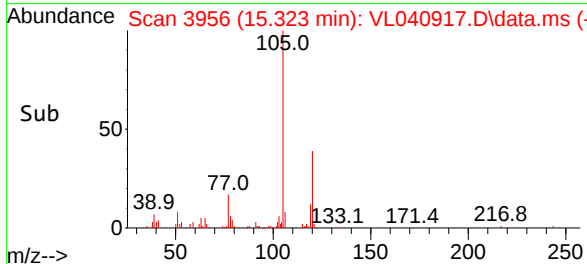
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



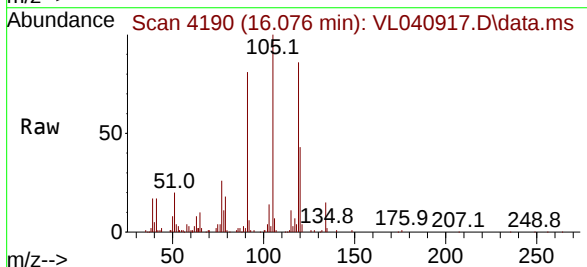
Tgt Ion:105 Resp: 127779
Ion Ratio Lower Upper
105 100
120 41.1 37.8 56.8

Manual Integrations
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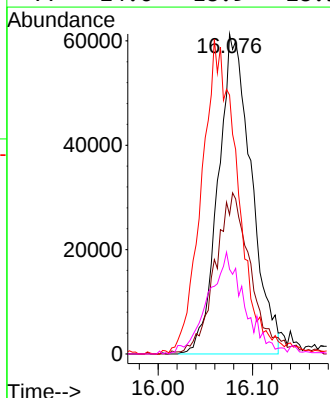
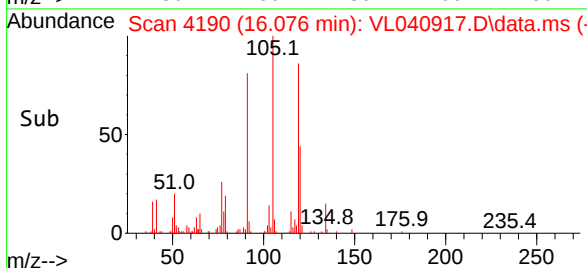
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

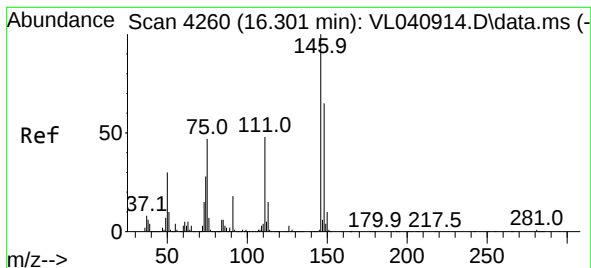


#74
1,2,4-Trimethylbenzene
Concen: 0.500 ppbv
RT: 16.076 min Scan# 4190
Delta R.T. -0.003 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



Tgt Ion:105 Resp: 149042
Ion Ratio Lower Upper
105 100
120 42.8 40.2 60.4
91 77.0 43.0 64.6#
77 24.6 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 0.504 ppbv m

RT: 16.304 min Scan# 4260

Delta R.T. 0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

Instrument :

MSVOA_L

ClientSampleId :

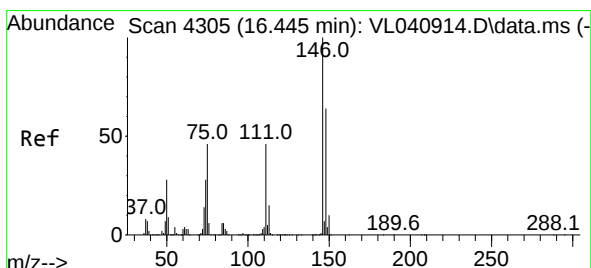
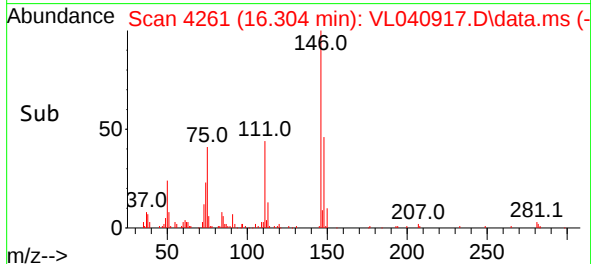
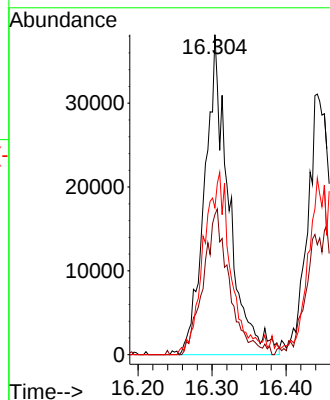
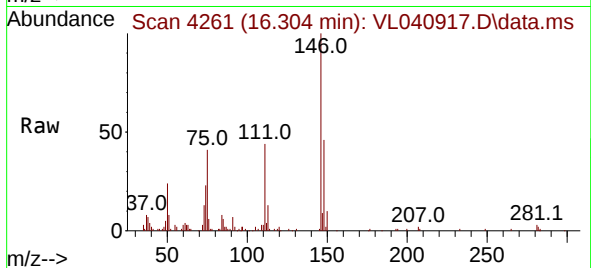
VSTDIC0.5

Tgt Ion:146 Resp: 8616
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.7 74.1
 148 0.0 32.1 96.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023



#76

1,4-Dichlorobenzene

Concen: 0.483 ppbv

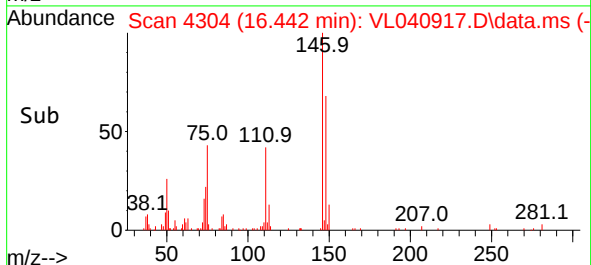
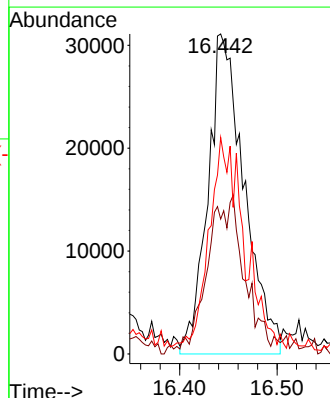
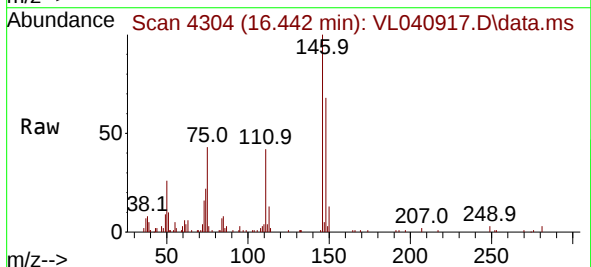
RT: 16.442 min Scan# 4304

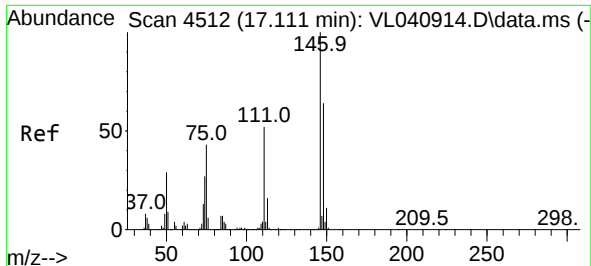
Delta R.T. -0.003 min

Lab File: VL040917.D

Acq: 20 Dec 2023 13:02

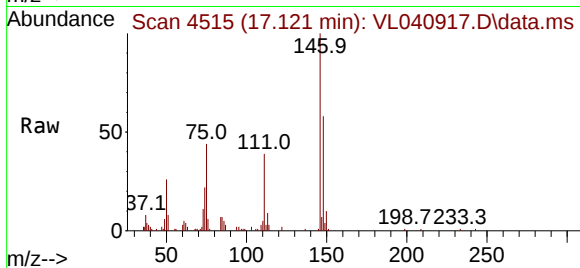
Tgt Ion:146 Resp: 80607
 Ion Ratio Lower Upper
 146 100
 111 51.2 24.1 72.4
 148 68.4 33.2 99.6





#77
1,2-Dichlorobenzene
Concen: 0.484 ppbv
RT: 17.121 min Scan# 4515
Delta R.T. 0.010 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

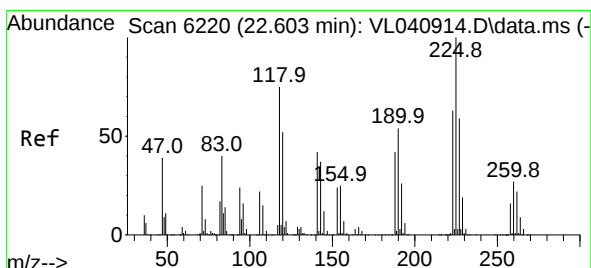
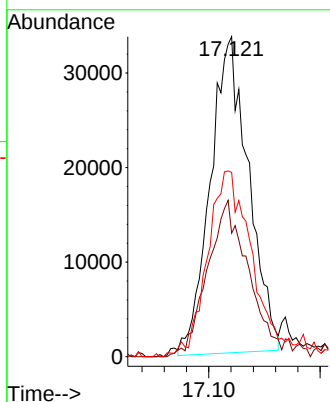
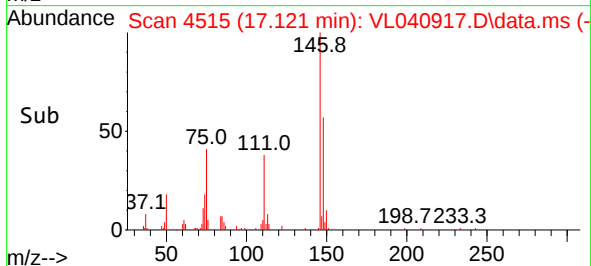
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:146 Resp: 79864
Ion Ratio Lower Upper
146 100
111 53.6 25.5 76.5
148 67.7 32.2 96.6

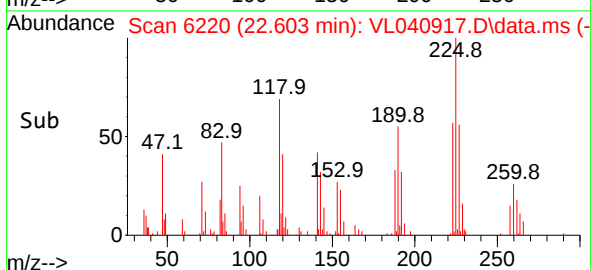
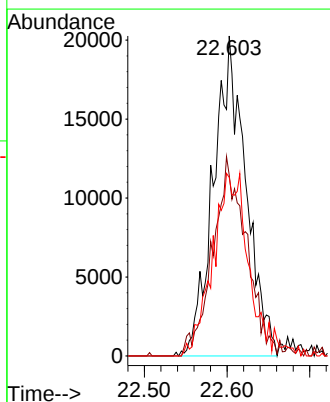
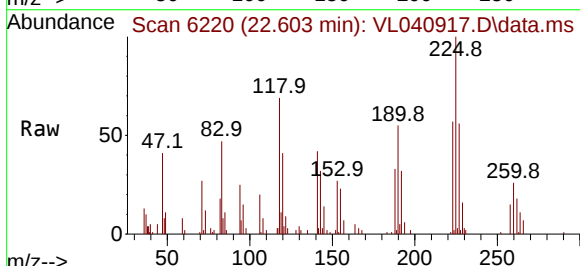
Manual Integrations
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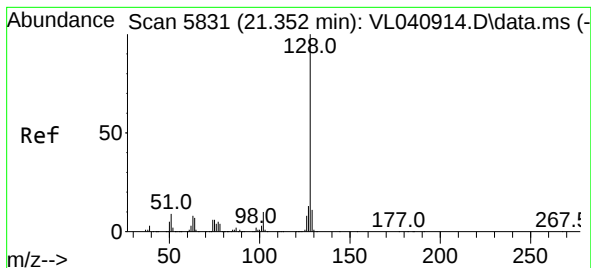
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.537 ppbv m
RT: 22.603 min Scan# 6220
Delta R.T. 0.000 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

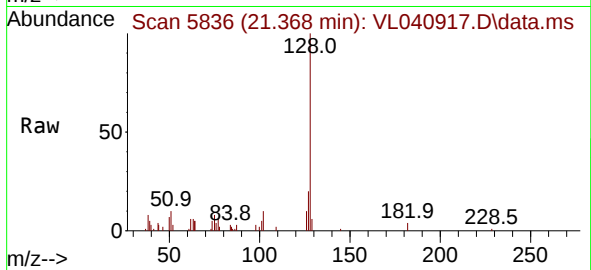
Tgt Ion:225 Resp: 54929
Ion Ratio Lower Upper
225 100
223 0.0 51.5 77.3#
227 0.0 51.7 77.5#





#79
Naphthalene
Concen: 0.441 ppbv m
RT: 21.368 min Scan# 5836
Delta R.T. 0.016 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02

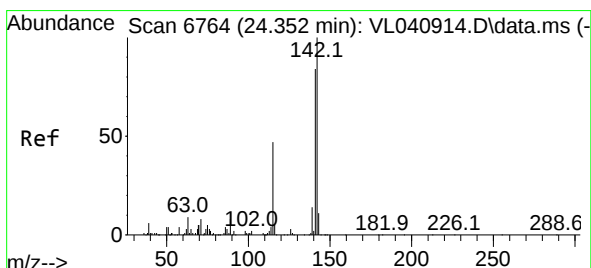
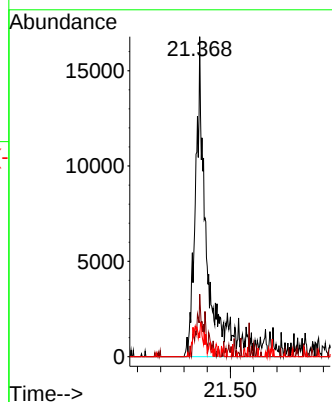
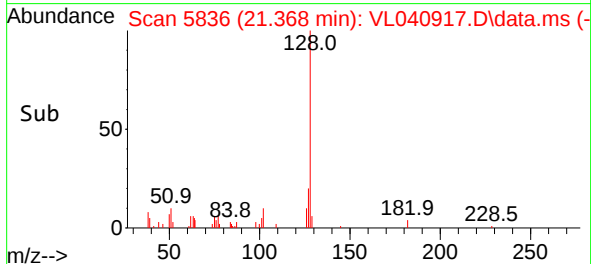
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



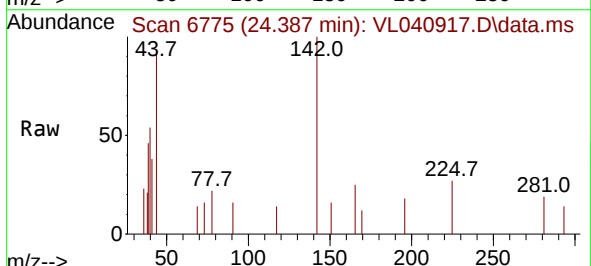
Tgt Ion:128 Resp: 6147
Ion Ratio Lower Upper
128 100
127 19.5 10.6 15.8
129 5.9 8.7 13.1

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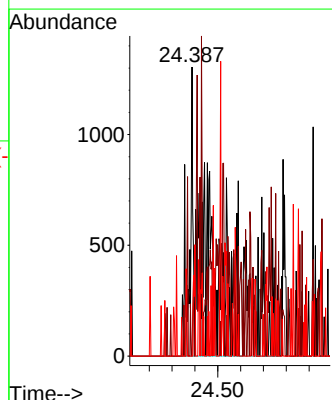
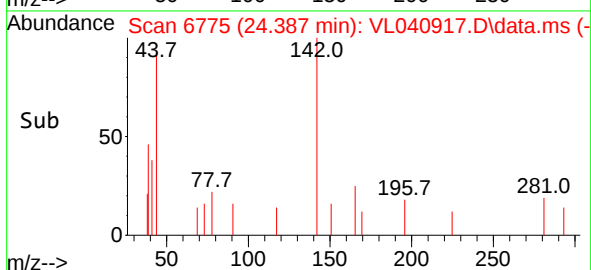
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

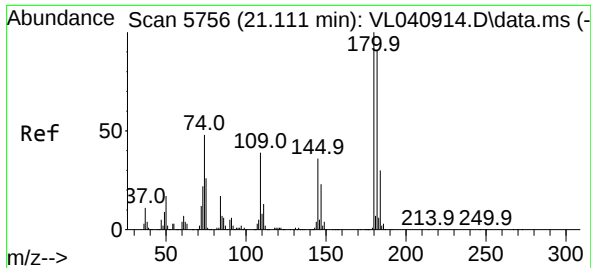


#80
Naphthalene,2-methyl-
Concen: 0.328 ppbv m
RT: 24.387 min Scan# 6775
Delta R.T. 0.035 min
Lab File: VL040917.D
Acq: 20 Dec 2023 13:02



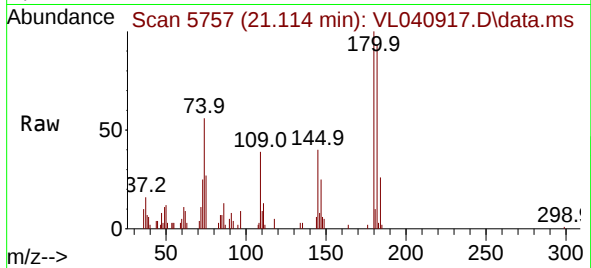
Tgt Ion:142 Resp: 7997
Ion Ratio Lower Upper
142 100
141 0.0 68.5 102.7#
115 2.7 34.5 51.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.394 ppbv m
 RT: 21.114 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL040917.D
 Acq: 20 Dec 2023 13:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 3292
 Ion Ratio Lower Upper
 180 100
 182 99.4 79.4 119.0
 184 30.9 24.5 36.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

