

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041088.D
 Acq On : 11 Mar 2024 14:55
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/12/2024
 Supervised By : Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:52:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1509313	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3798074	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3676284	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2931349 10.198 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	3841525	13.357	ppbv	99
3) Chlorodifluoromethane	2.674	51	2964251	13.372	ppbv	98
4) Chloromethane	2.816	50	1119022	13.338	ppbv	100
5) Vinyl Chloride	2.922	62	1203231	14.094	ppbv	99
6) Bromomethane	3.121	94	4911124	14.507	ppbv	96
7) Chloroethane	3.198	64	409951	13.644	ppbv	97
8) Dichlorotetrafluoroethane	2.857	85	2878716	13.784	ppbv	98
9) Propene	2.693	41	1029720	13.949	ppbv	100
10) Heptane	7.594	43	2603987	14.742	ppbv	99
11) Trichlorofluoromethane	3.568	101	3045125	13.731	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.073	101	2187648	13.417	ppbv	98
13) Ethanol	3.243	45	235616	12.614	ppbv	97
14) Bromoethene	3.369	108	905548	14.243	ppbv	99
15) Acetone	3.472	43	2044357	11.889	ppbv	99
16) 1,3-Butadiene	2.986	39	1129514	13.952	ppbv	100
17) tert-Butyl alcohol	3.886	59	1696670	13.271	ppbv	99
18) 1,1-Dichloroethene	3.886	96	979041	13.636	ppbv	100
19) Isopropyl Alcohol	3.581	45	1211486	13.190	ppbv	99
20) Methylene Chloride	3.941	84	842783	12.572	ppbv	98
21) Allyl Chloride	4.002	41	1396919	14.384	ppbv	100
22) trans-1,2-Dichloroethene	4.455	96	1275592	14.923	ppbv	98
23) Vinyl Acetate	4.636	43	3184166	16.675	ppbv	98
24) 1,1-Dichloroethane	4.571	63	2567294	14.605	ppbv	99
25) Ethyl Acetate	5.214	43	4378895	14.135	ppbv	100
26) Hexane	5.224	57	1943739	13.990	ppbv	98
27) Carbon Disulfide	4.131	76	2735059	16.478	ppbv	100
28) Methyl tert-Butyl Ether	4.594	73	1812107	14.802	ppbv	99
29) Chloroform	5.288	83	3299110	13.805	ppbv	99
30) Cyclohexane	6.616	84	1646237	14.479	ppbv	98
31) cis-1,2-Dichloroethene	5.089	61	2005053	14.897	ppbv	95
32) 1,1,1-Trichloroethane	6.015	97	3262097	15.238	ppbv	99
34) 2-Butanone	4.793	43	2820733	14.959	ppbv	99
35) Carbon Tetrachloride	6.510	117	3470664	15.693	ppbv	98
36) Benzene	6.385	78	4105500	14.522	ppbv	99
37) 1,2-Dichloroethane	5.819	62	2455251	14.435	ppbv	99
38) Trichloroethene	7.307	130	1619988	15.349	ppbv	95
39) 1,2-Dichloropropane	7.089	63	1606031	14.206	ppbv	97
40) 1,4-Dioxane	7.298	88	649919	14.582	ppbv #	1
41) Tetrahydrofuran	5.565	42	1707417	15.262	ppbv	99
42) Bromodichloromethane	7.266	83	3647800	14.970	ppbv	99
43) Methyl Methacrylate	7.491	69	1745556	15.981	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	6613436	13.996	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	1404811	18.517	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041088.D
 Acq On : 11 Mar 2024 14:55
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:52:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

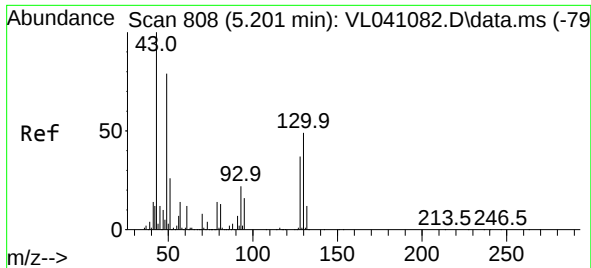
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	1615394	17.090	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	1796186	14.864	ppbv	96
48) Dibromochloromethane	9.725	129	3118517	15.841	ppbv	100
49) Bromoform	12.426	173	2603825	16.650	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	4263550	15.372	ppbv	99
51) 2-Hexanone	9.565	43	3149583	15.334	ppbv #	98
52) Tetrachloroethene	10.635	164	1436437	16.340	ppbv	98
53) Toluene	9.237	91	4731635	15.527	ppbv	99
54) 1,2-Dibromoethane	10.028	107	2596014	16.745	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.529	131	2235161	14.200	ppbv	100
57) Chlorobenzene	11.545	112	3683217	13.994	ppbv	99
58) Ethyl Benzene	12.108	91	6384257	14.833	ppbv	98
59) m/p-Xylene	12.394	91	10871859m	28.772	ppbv	
60) o-Xylene	13.079	91	5230094	14.593	ppbv	98
61) Styrene	12.918	104	2789472	17.065	ppbv	99
62) Isopropylbenzene	14.047	105	7526739	14.119	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.066	83	3919539	14.322	ppbv	100
64) n-propylbenzene	14.937	120	2037703	15.168	ppbv	89
65) tert-Butylbenzene	16.111	119	6666512	14.415	ppbv	99
66) Benzyl Chloride	16.346	91	583309	18.717	ppbv	100
67) sec-Butylbenzene	16.658	105	9291872	13.948	ppbv	98
69) p-Isopropyltoluene	17.018	119	7642726	14.707	ppbv	99
70) n-Butylbenzene	17.905	91	8163015	14.534	ppbv	98
71) 2-Chlorotoluene	14.822	91	5979929	14.671	ppbv	98
72) 4-Ethyltoluene	15.211	105	6111660	15.474	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	5269144	15.076	ppbv	100
74) 1,2,4-Trimethylbenzene	16.127	105	5702555	14.286	ppbv	94
75) 1,3-Dichlorobenzene	16.352	146	3429466m	15.053	ppbv	
76) 1,4-Dichlorobenzene	16.494	146	3371309	14.708	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	3283543	14.592	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1978518	12.571	ppbv	100
79) Naphthalene	21.407	128	4389432	18.684	ppbv	99
80) Naphthalene,2-methyl-	24.397	142	737644	24.046	ppbv	94
81) 1,2,4-Trichlorobenzene	21.159	180	2139022	15.930	ppbv	100

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



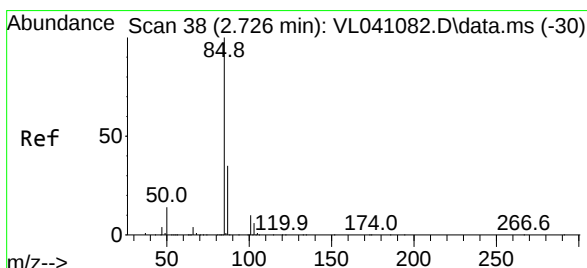
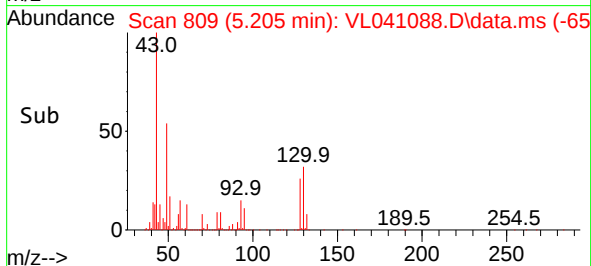
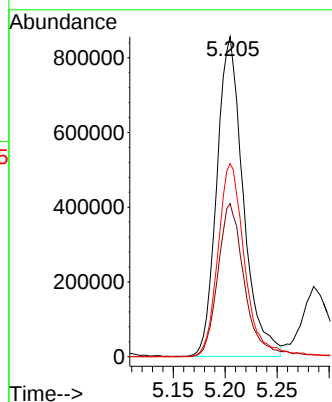
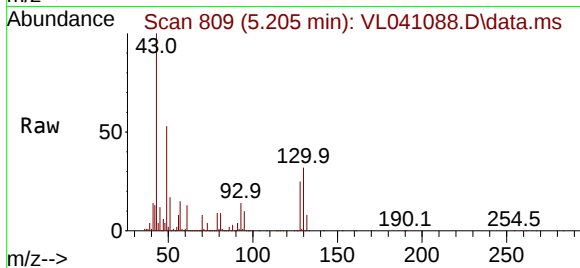
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 49 Resp: 150931
Ion Ratio Lower Upper
49 100
128 49.1 23.8 71.5
130 61.9 30.3 90.9

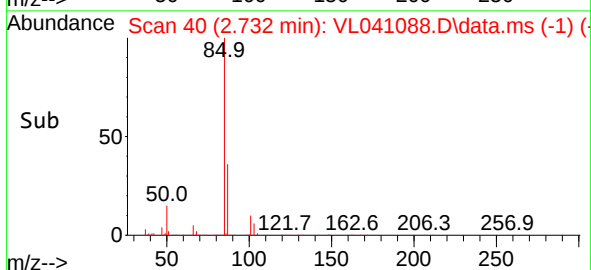
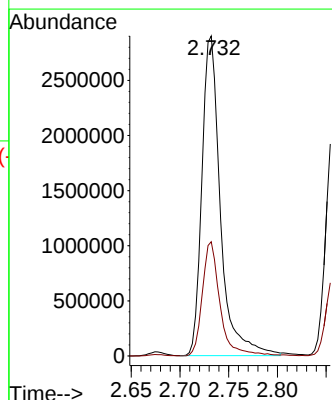
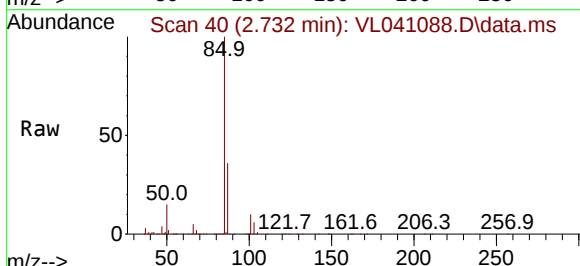
Manual Integrations
APPROVED

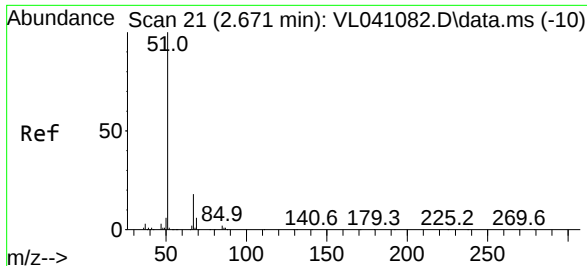
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#2
Dichlorodifluoromethane
Concen: 13.357 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

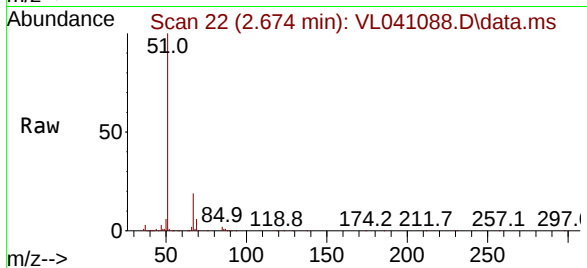
Tgt Ion: 85 Resp: 3841525
Ion Ratio Lower Upper
85 100
87 35.7 28.1 42.1





#3
Chlorodifluoromethane
Concen: 13.372 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

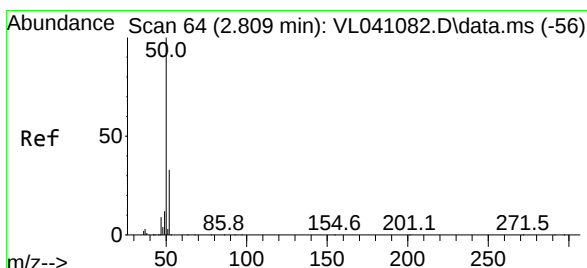
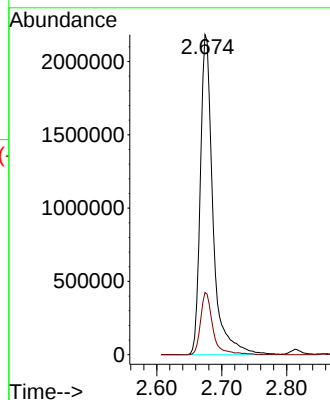
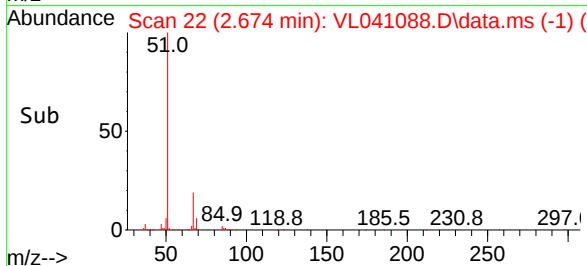
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



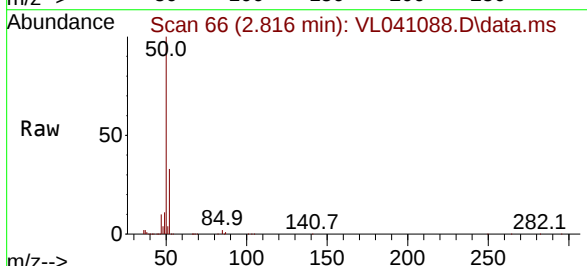
Tgt Ion: 51 Resp: 296425
Ion Ratio Lower Upper
51 100
67 19.0 14.5 21.7

Manual Integrations
APPROVED

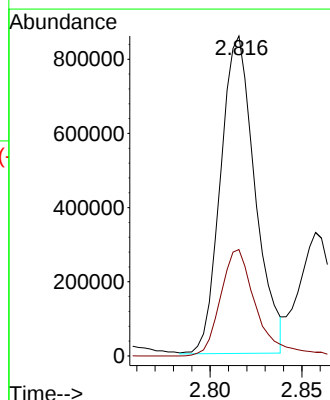
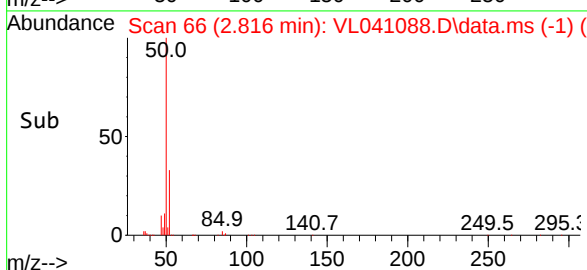
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

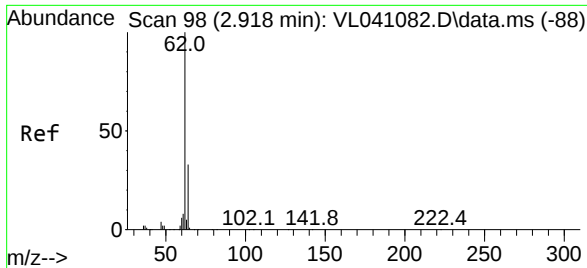


#4
Chloromethane
Concen: 13.338 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



Tgt Ion: 50 Resp: 1119022
Ion Ratio Lower Upper
50 100
52 33.6 26.6 40.0





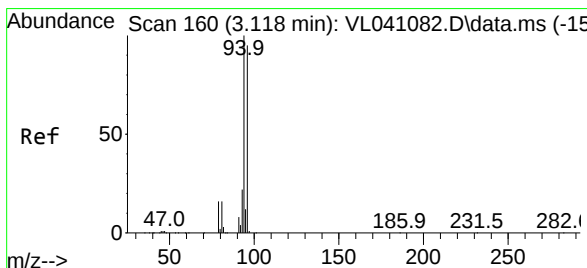
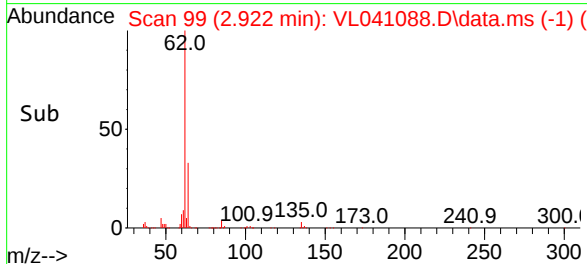
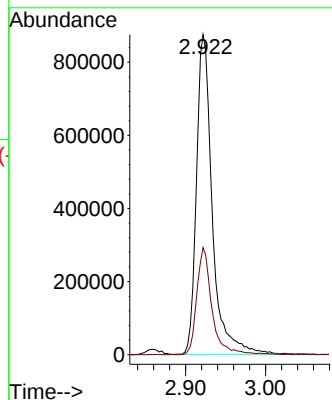
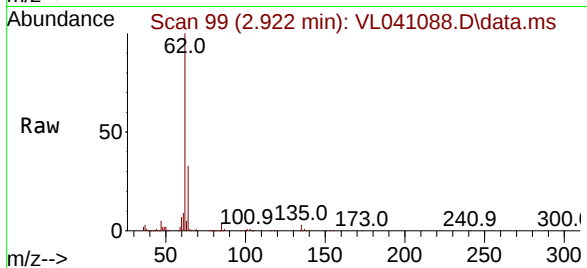
#5
 Vinyl Chloride
 Concen: 14.094 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 62 Resp: 120323
 Ion Ratio Lower Upper
 62 100
 64 33.5 26.5 39.7

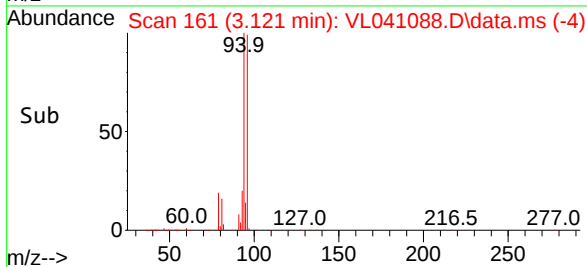
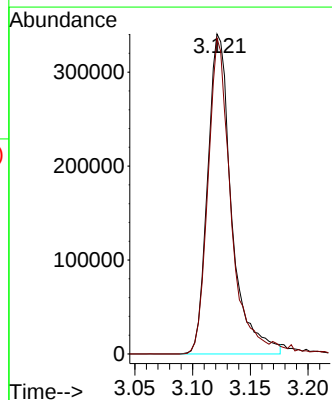
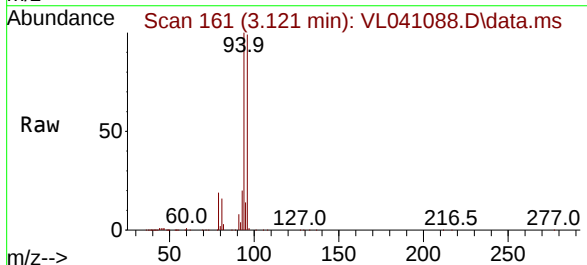
Manual Integrations
 APPROVED

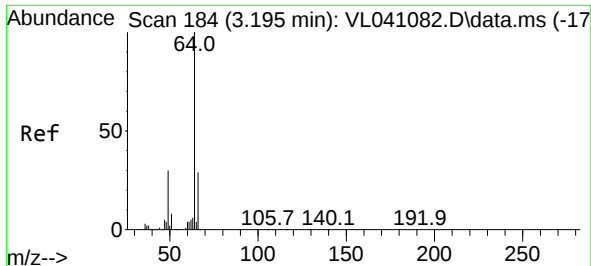
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024



#6
 Bromomethane
 Concen: 14.507 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

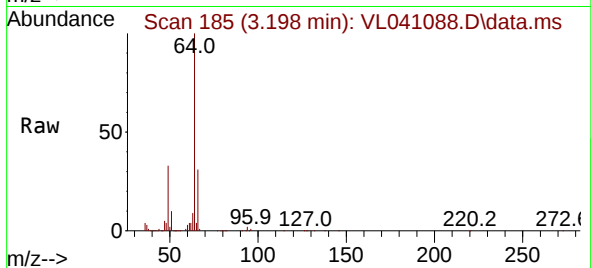
Tgt Ion: 94 Resp: 491124
 Ion Ratio Lower Upper
 94 100
 96 98.6 76.0 114.0





#7
Chloroethane
Concen: 13.644 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

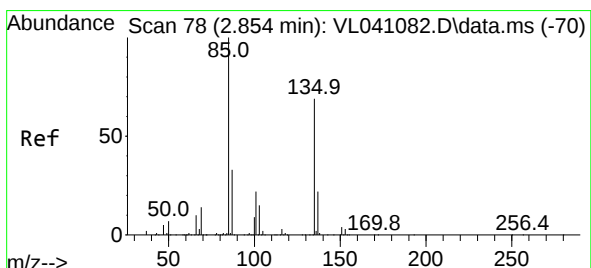
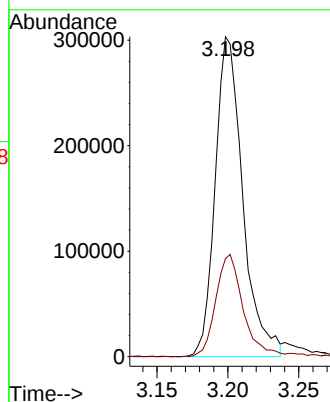
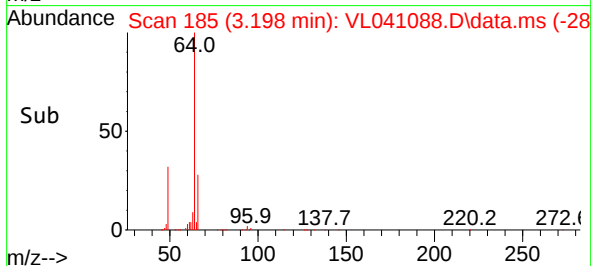
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 64 Resp: 40995
Ion Ratio Lower Upper
64 100
66 30.7 23.2 34.8

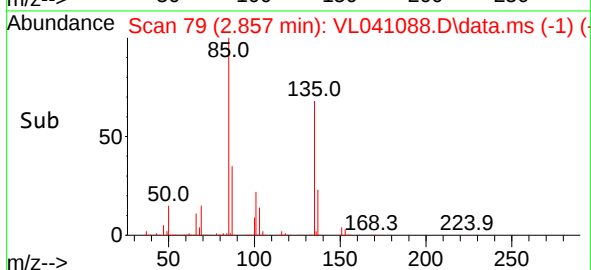
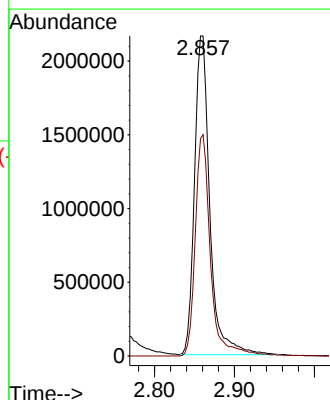
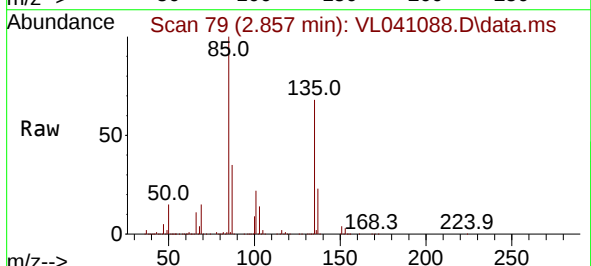
Manual Integrations
APPROVED

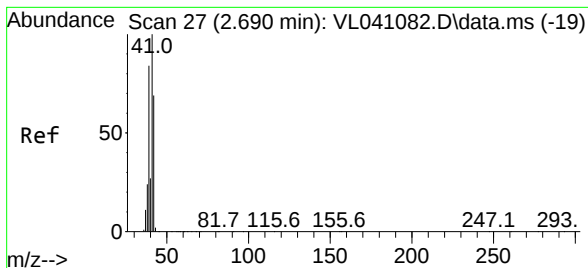
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#8
Dichlorotetrafluoroethane
Concen: 13.784 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

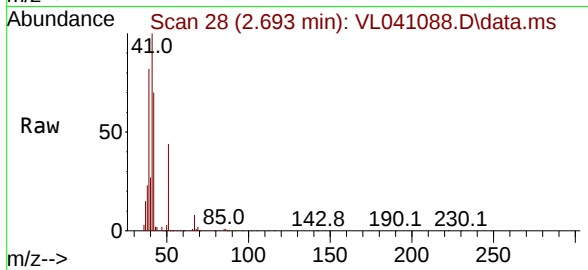
Tgt Ion: 85 Resp: 2878716
Ion Ratio Lower Upper
85 100
135 69.5 56.7 85.1





#9
 Propene
 Concen: 13.949 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

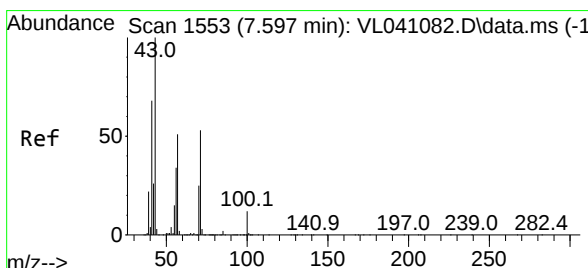
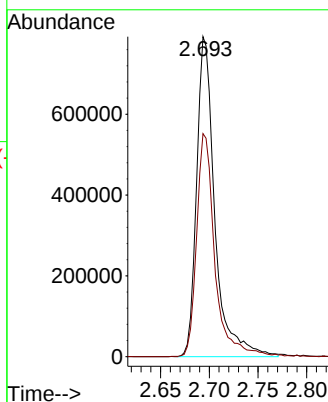
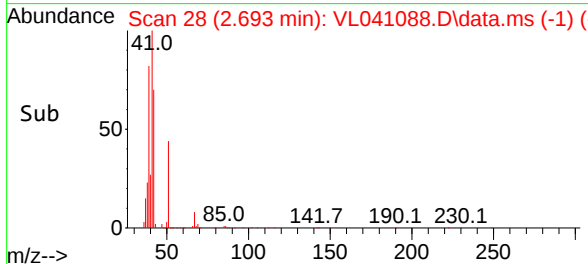
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



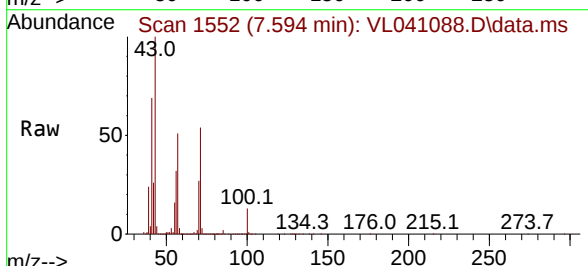
Tgt Ion: 41 Resp: 1029720
 Ion Ratio Lower Upper
 41 100
 42 70.3 55.9 83.9

Manual Integrations
 APPROVED

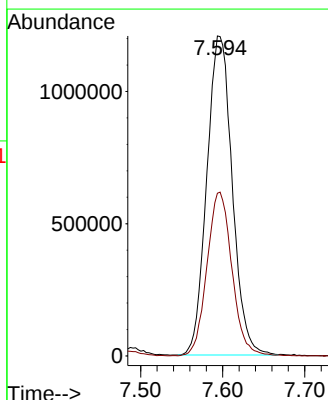
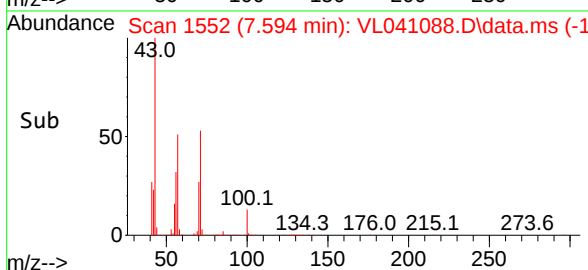
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

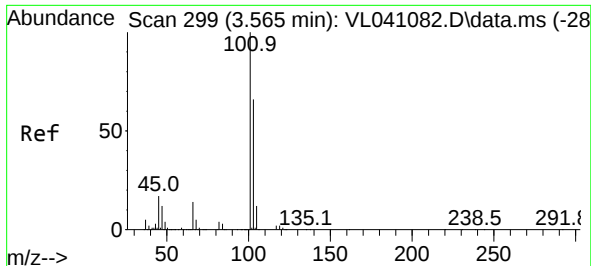


#10
 Heptane
 Concen: 14.742 ppbv
 RT: 7.594 min Scan# 1552
 Delta R.T. -0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55



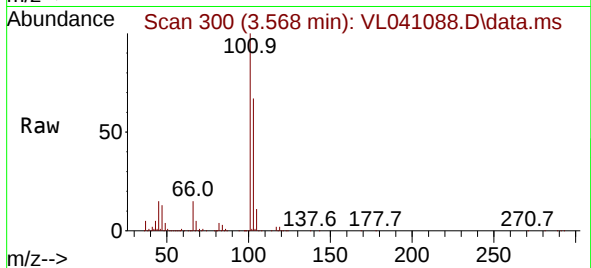
Tgt Ion: 43 Resp: 2603987
 Ion Ratio Lower Upper
 43 100
 57 50.6 41.0 61.6





#11
Trichlorofluoromethane
Concen: 13.731 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

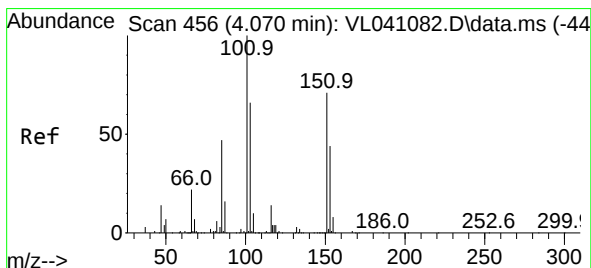
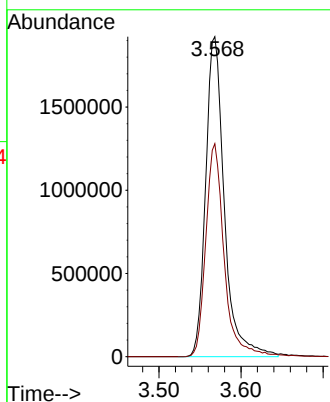
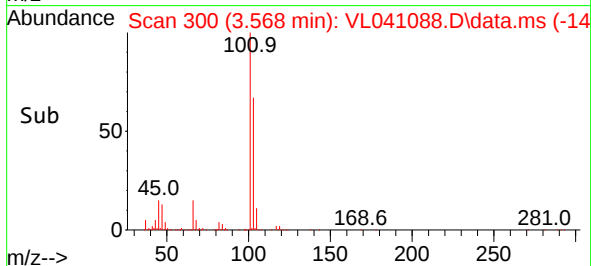
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



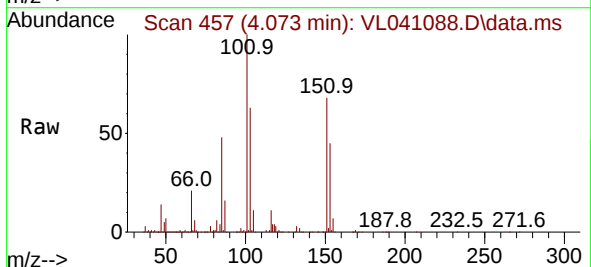
Tgt Ion:101 Resp: 304512
Ion Ratio Lower Upper
101 100
103 66.6 53.0 79.4

Manual Integrations
APPROVED

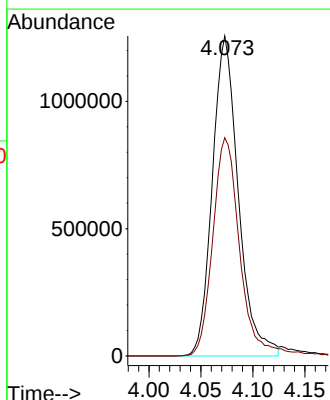
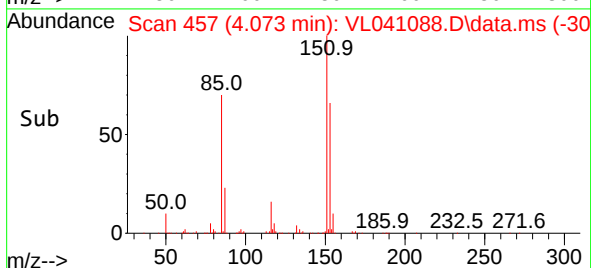
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

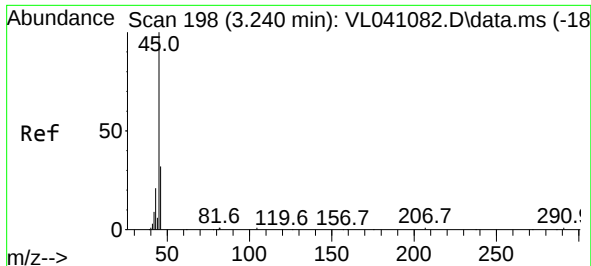


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.417 ppbv
RT: 4.073 min Scan# 457
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



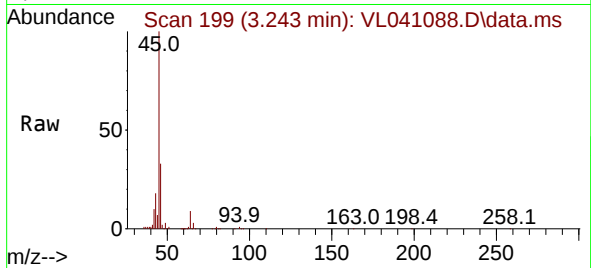
Tgt Ion:101 Resp: 2187648
Ion Ratio Lower Upper
101 100
151 71.4 55.8 83.8





#13
Ethanol
Concen: 12.614 ppbv
RT: 3.243 min Scan# 198
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

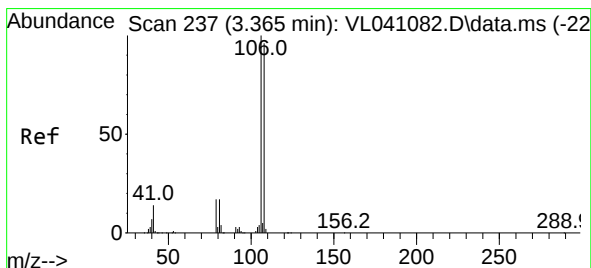
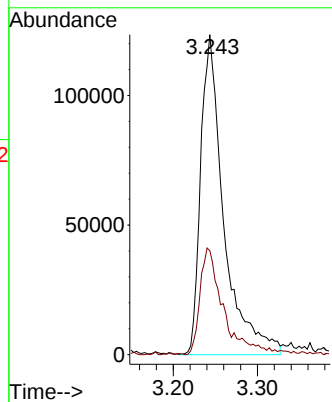
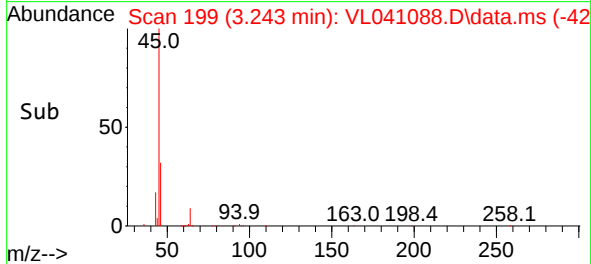
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



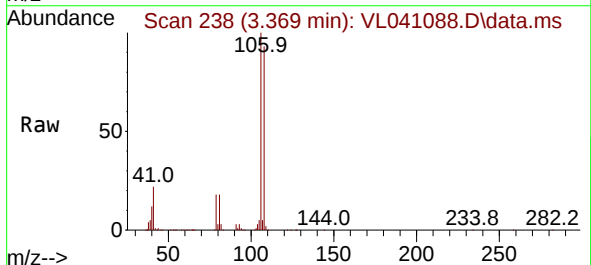
Tgt Ion: 45 Resp: 235610
Ion Ratio Lower Upper
45 100
46 34.8 14.6 58.2

Manual Integrations
APPROVED

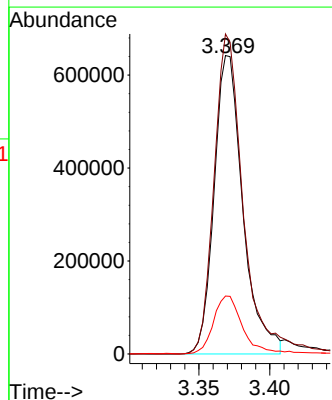
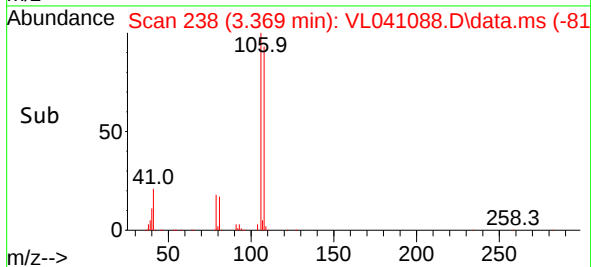
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

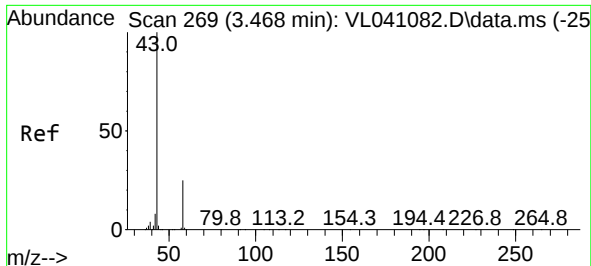


#14
Bromoethene
Concen: 14.243 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



Tgt Ion:108 Resp: 905548
Ion Ratio Lower Upper
108 100
106 111.0 88.1 132.1
79 20.6 15.6 23.4





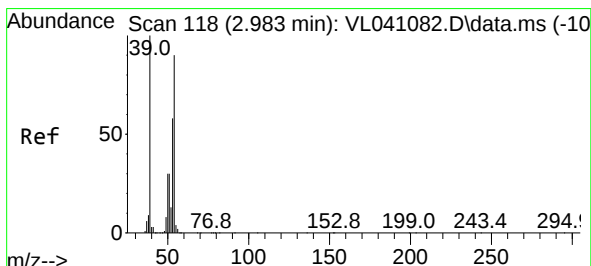
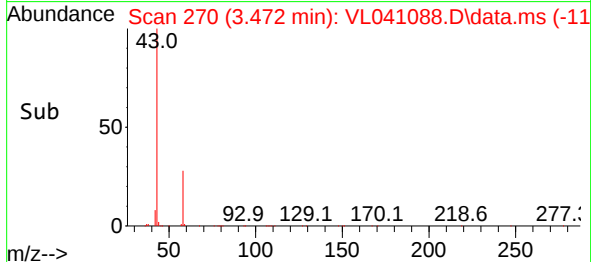
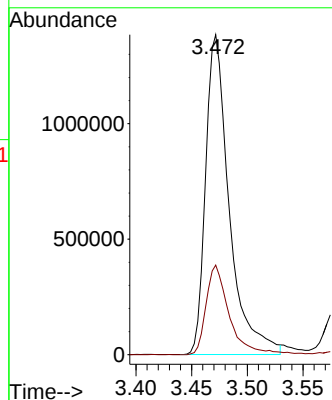
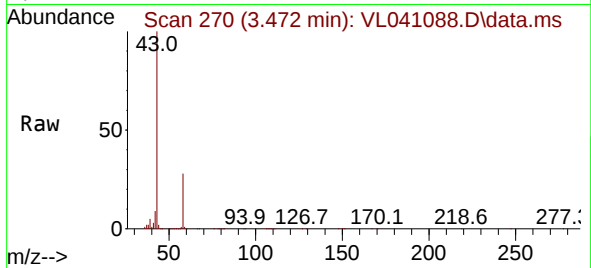
#15
Acetone
Concen: 11.889 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 204435
Ion Ratio Lower Upper
43 100
58 27.6 21.7 32.5

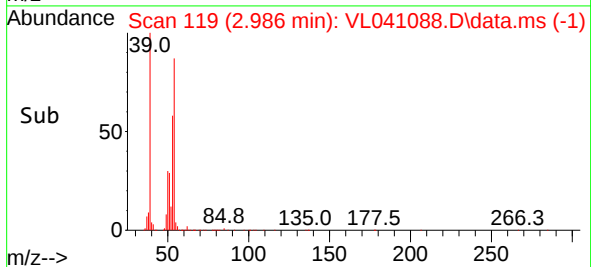
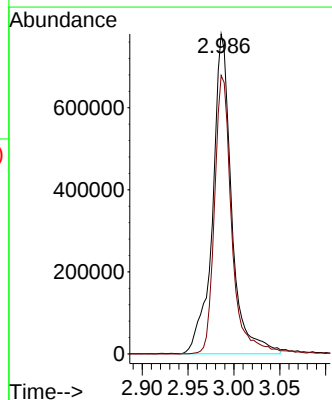
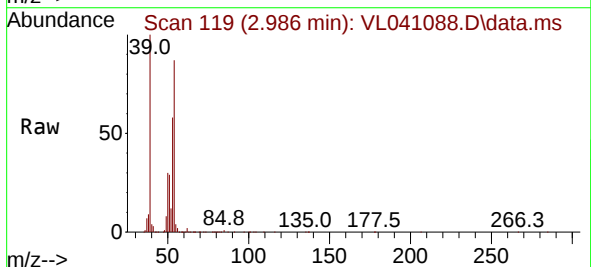
Manual Integrations
APPROVED

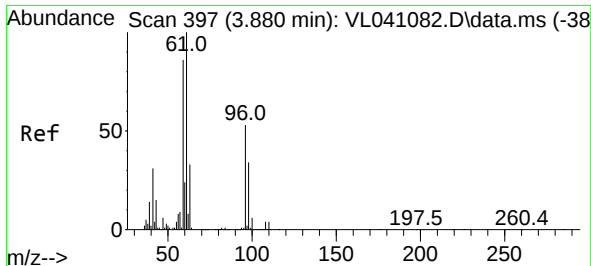
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#16
1,3-Butadiene
Concen: 13.952 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 39 Resp: 1129514
Ion Ratio Lower Upper
39 100
54 79.6 64.0 96.0





#17

tert-Butyl alcohol

Concen: 13.271 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.007 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 59 Resp: 1696670

Ion Ratio Lower Upper

59 100

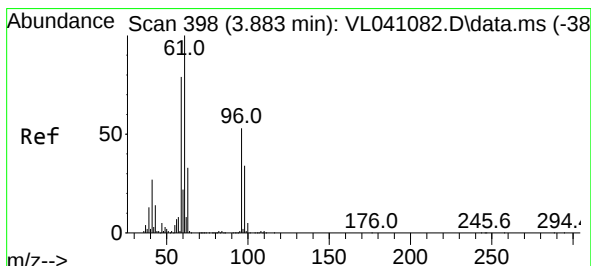
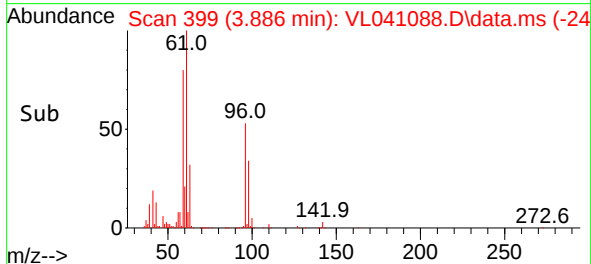
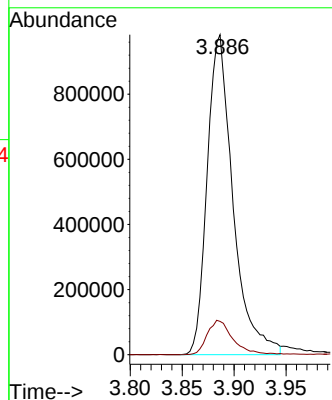
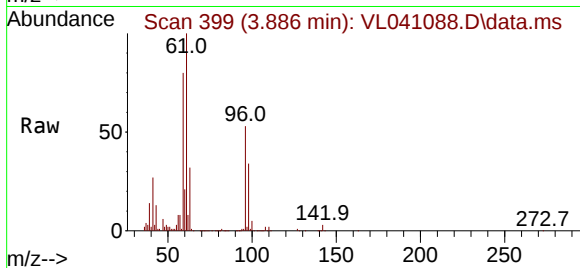
57 10.9 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#18

1,1-Dichloroethene

Concen: 13.636 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

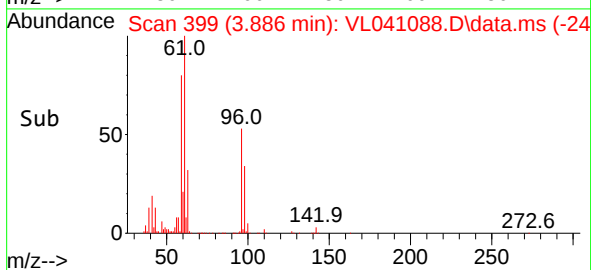
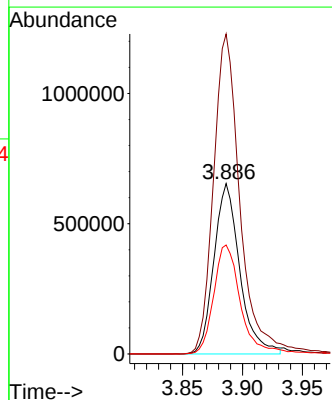
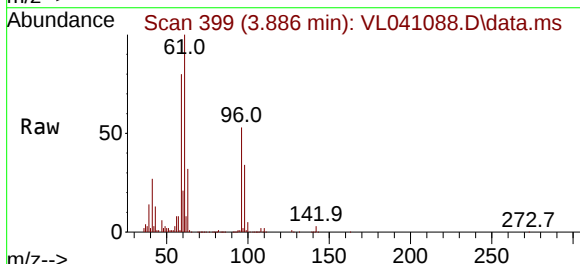
Tgt Ion: 96 Resp: 979041

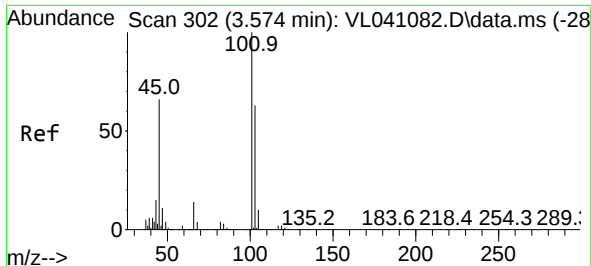
Ion Ratio Lower Upper

96 100

61 187.7 150.2 225.2

98 63.9 50.7 76.1





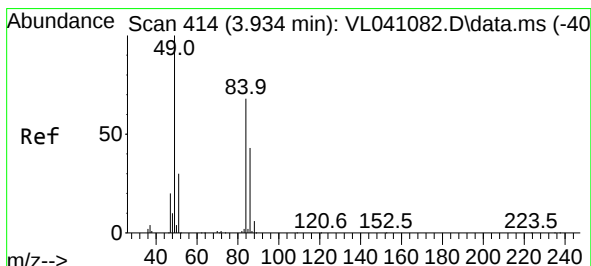
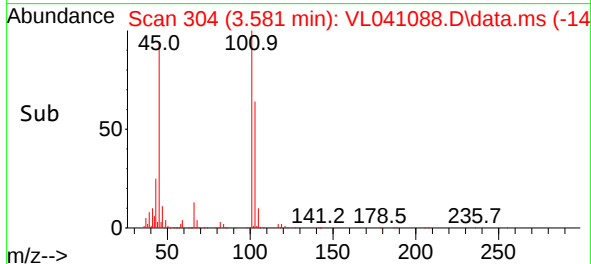
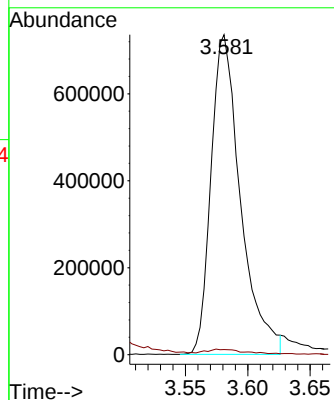
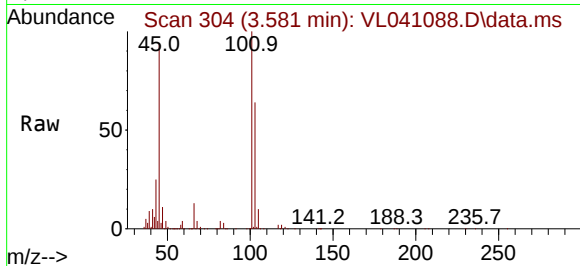
#19
Isopropyl Alcohol
Concen: 13.190 ppbv
RT: 3.581 min Scan# 302
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 1211480
Ion Ratio Lower Upper
45 100
58 2.4 2.2 3.4

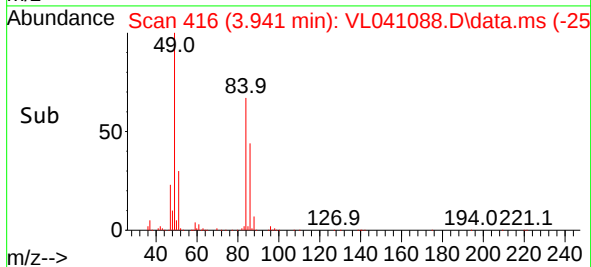
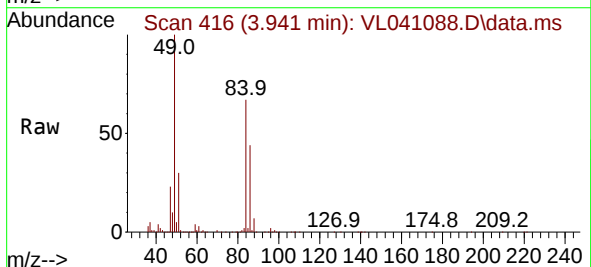
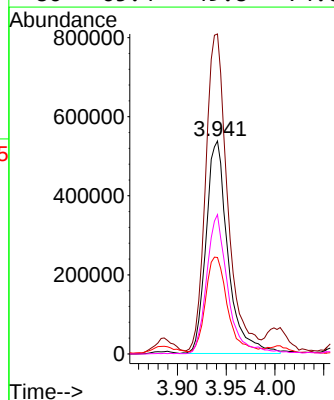
Manual Integrations
APPROVED

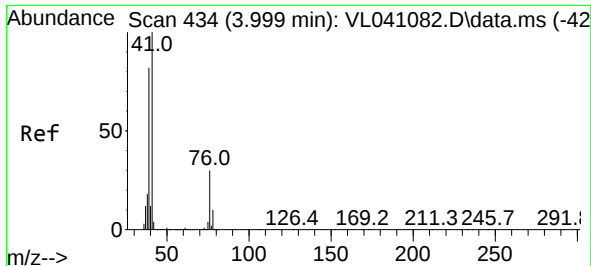
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#20
Methylene Chloride
Concen: 12.572 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 84 Resp: 842783
Ion Ratio Lower Upper
84 100
49 148.5 117.0 175.6
51 43.7 34.9 52.3
86 65.4 49.8 74.6





#21

Allyl Chloride

Concen: 14.384 ppbv

RT: 4.002 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 1396919

Ion Ratio Lower Upper

41 100

76 32.6 25.5 38.3

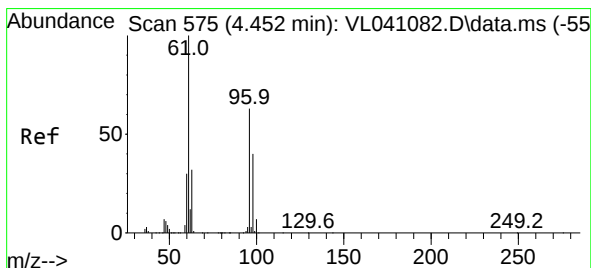
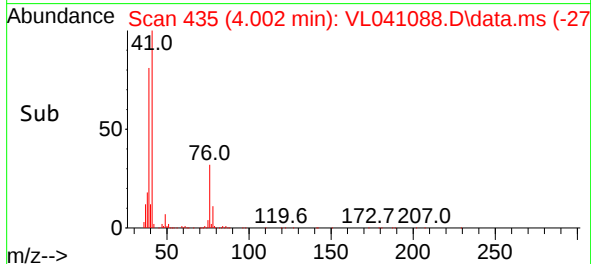
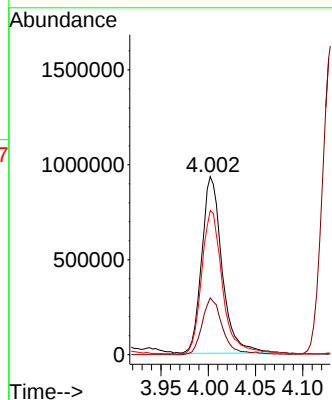
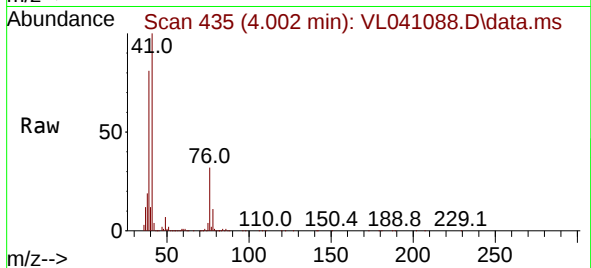
39 84.3 67.4 101.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#22

trans-1,2-Dichloroethene

Concen: 14.923 ppbv

RT: 4.455 min Scan# 576

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

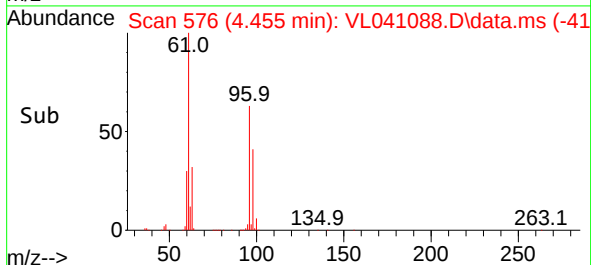
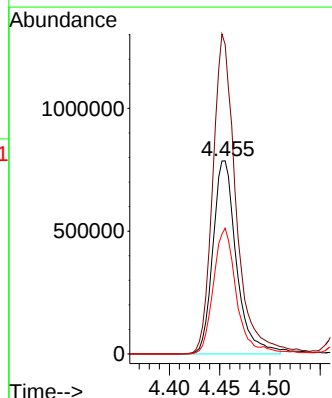
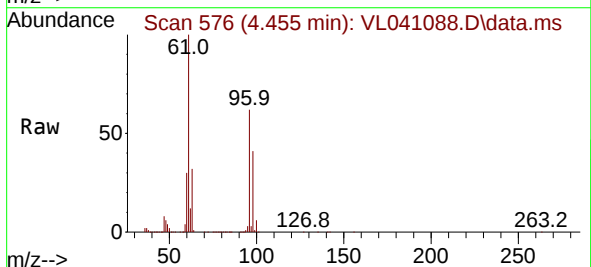
Tgt Ion: 96 Resp: 1275592

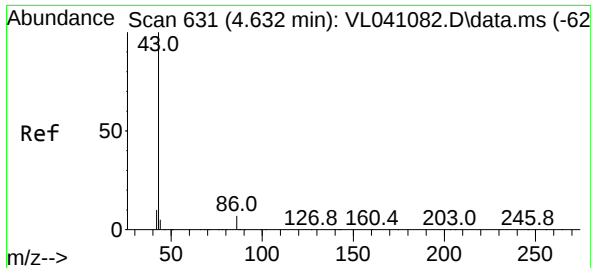
Ion Ratio Lower Upper

96 100

61 160.2 126.7 190.1

98 65.2 50.1 75.1





#23
 Vinyl Acetate
 Concen: 16.675 ppbv
 RT: 4.636 min Scan# 612
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

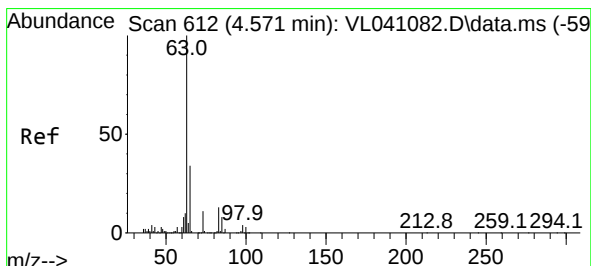
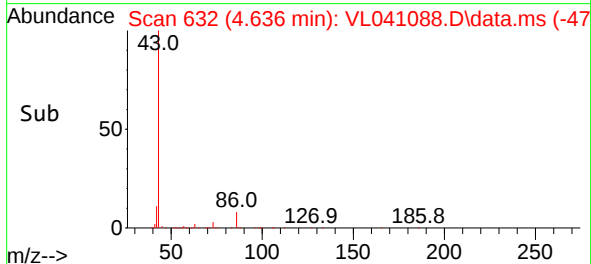
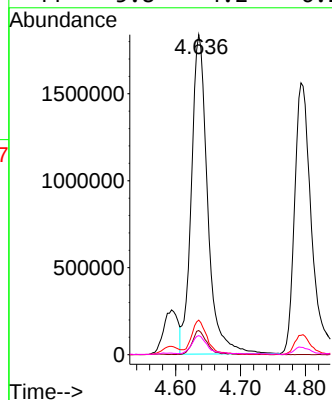
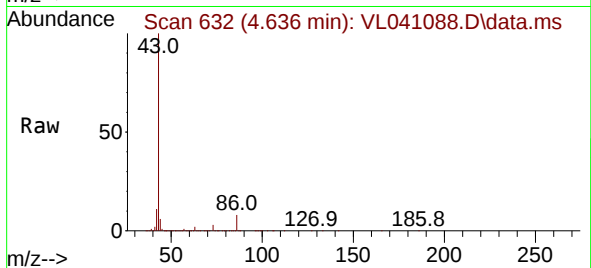
VSTDICC015

Tgt Ion: 43 Resp: 318416
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.4 8.2
 42 10.7 8.0 12.0
 44 5.8 4.2 6.2

Manual Integrations

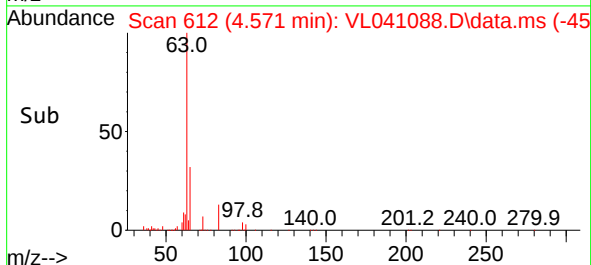
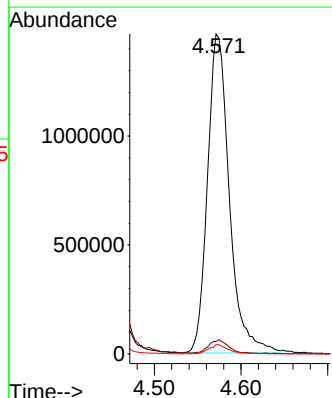
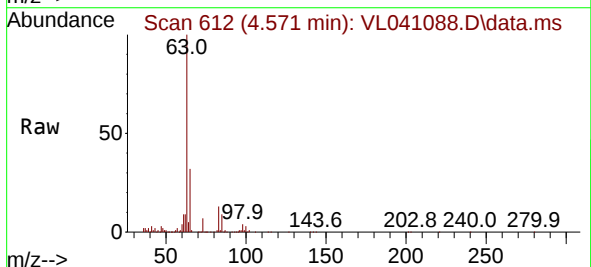
APPROVED

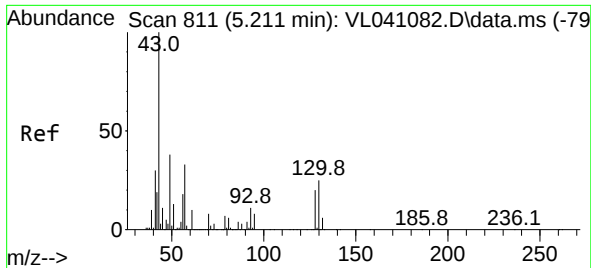
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024



#24
 1,1-Dichloroethane
 Concen: 14.605 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Tgt Ion: 63 Resp: 2567294
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.1 6.5
 100 2.9 1.4 4.2





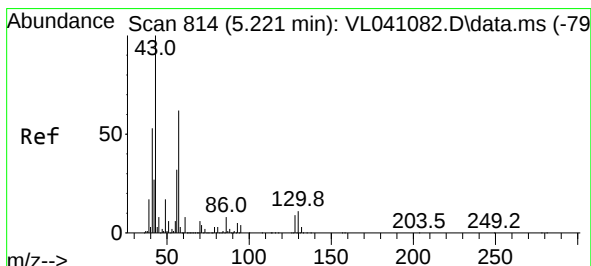
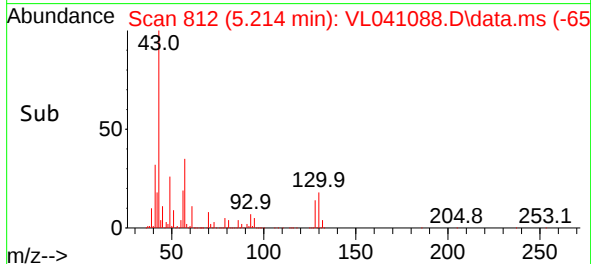
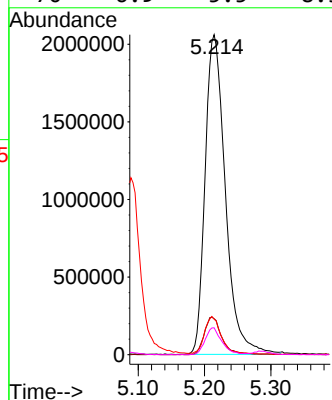
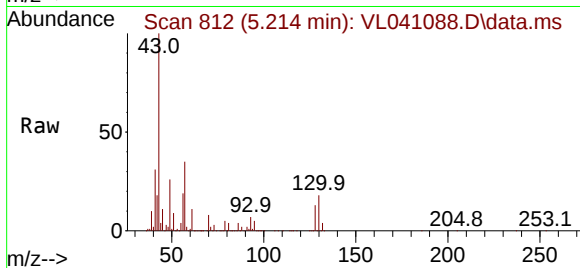
#25
Ethyl Acetate
Concen: 14.135 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 437889
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 10.2 8.2 12.2
70 6.9 5.5 8.3

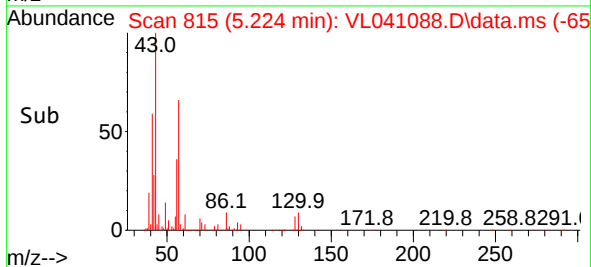
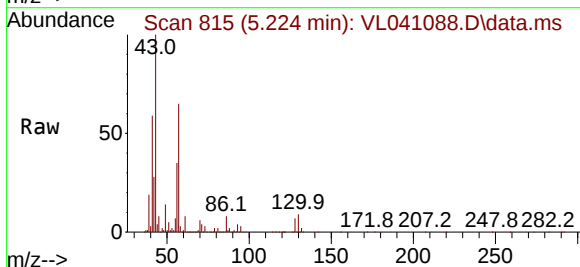
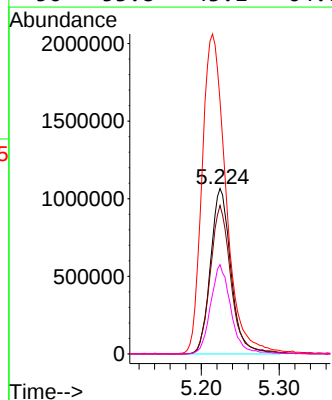
Manual Integrations
APPROVED

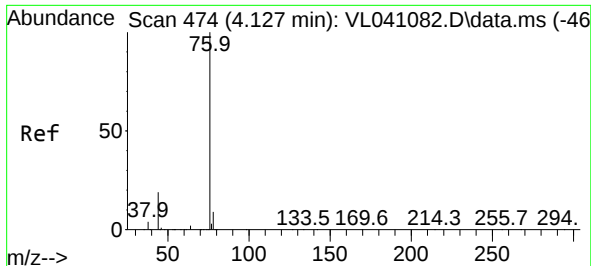
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#26
Hexane
Concen: 13.990 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 57 Resp: 1943739
Ion Ratio Lower Upper
57 100
41 91.2 73.8 110.6
43 226.7 184.2 276.2
56 53.8 43.1 64.7





#27

Carbon Disulfide

Concen: 16.478 ppbv

RT: 4.131 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 76 Resp: 2735059

Ion Ratio Lower Upper

76 100

44 20.0 16.0 24.0

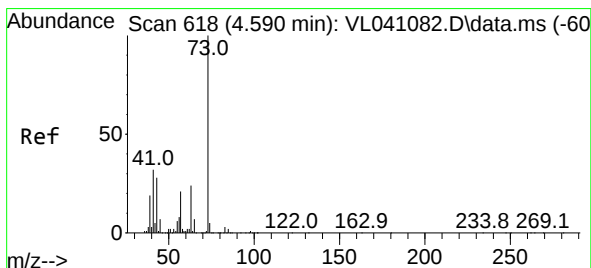
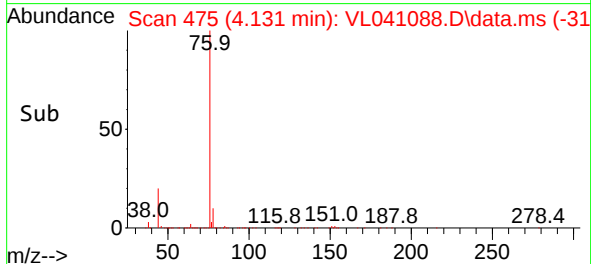
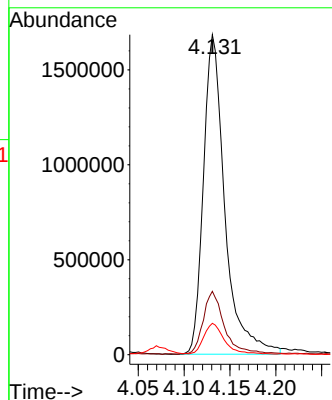
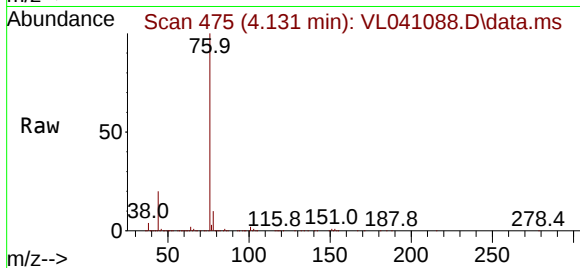
78 9.7 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#28

Methyl tert-Butyl Ether

Concen: 14.802 ppbv

RT: 4.594 min Scan# 619

Delta R.T. 0.003 min

Lab File: VL041088.D

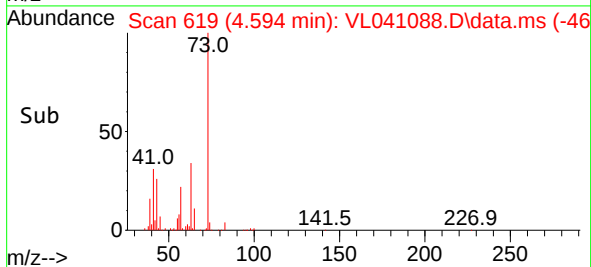
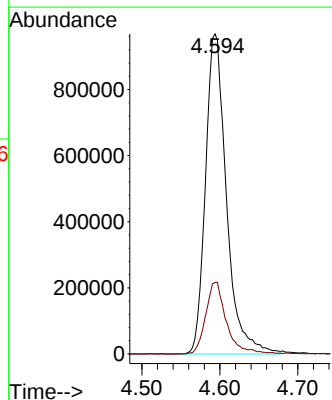
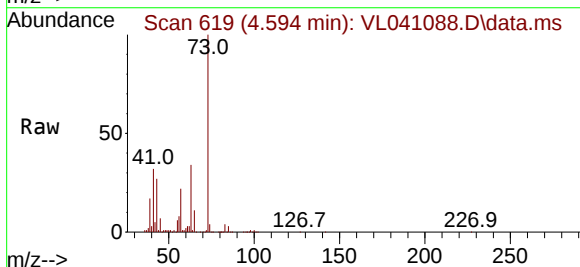
Acq: 11 Mar 2024 14:55

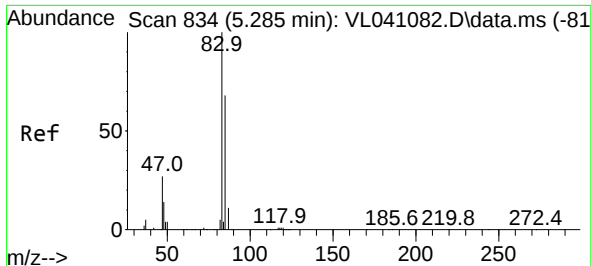
Tgt Ion: 73 Resp: 1812107

Ion Ratio Lower Upper

73 100

57 22.5 18.2 27.4





#29

Chloroform

Concen: 13.805 ppbv

RT: 5.288 min Scan# 834

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 3299110

Ion Ratio Lower Upper

83 100

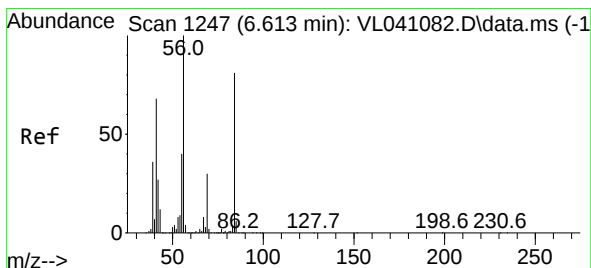
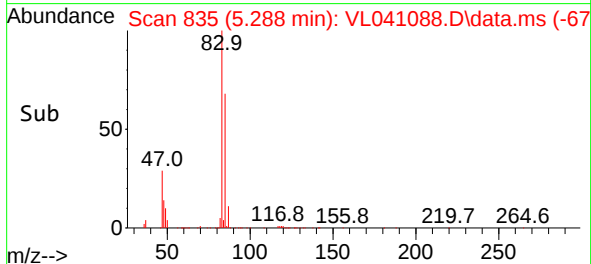
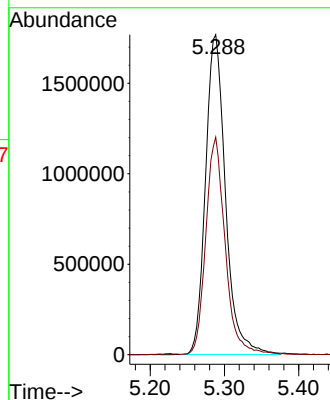
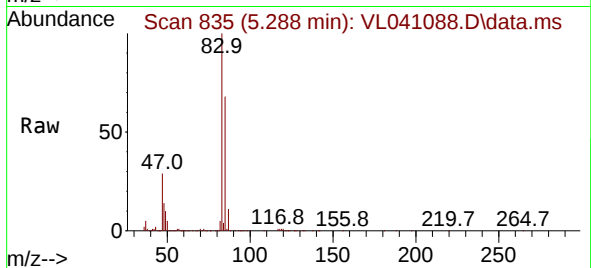
85 67.9 54.6 82.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#30

Cyclohexane

Concen: 14.479 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

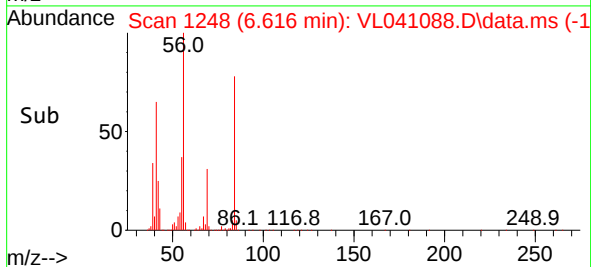
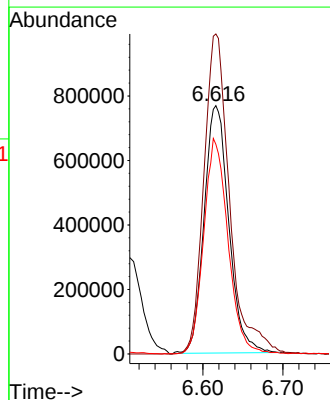
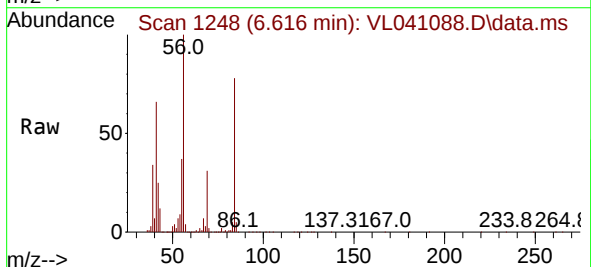
Tgt Ion: 84 Resp: 1646237

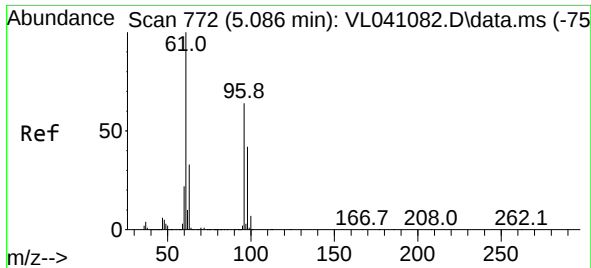
Ion Ratio Lower Upper

84 100

56 135.6 110.4 165.6

41 85.8 70.6 105.8





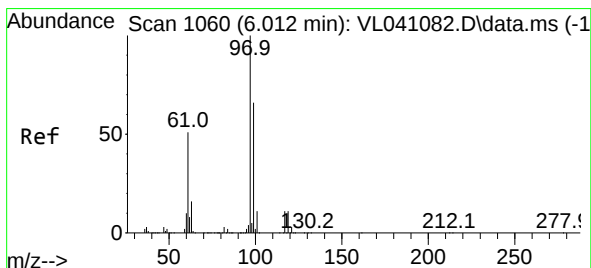
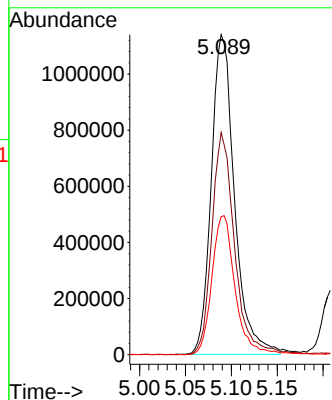
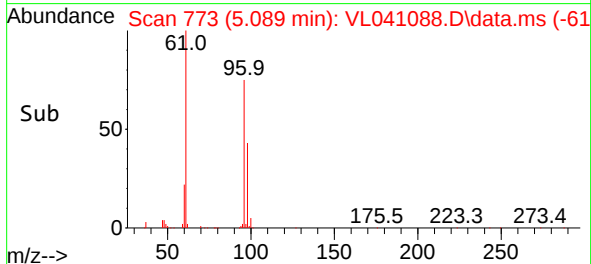
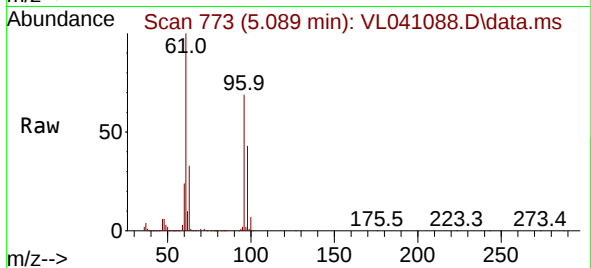
#31
cis-1,2-Dichloroethene
Concen: 14.897 ppbv
RT: 5.089 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 61 Resp: 200505
Ion Ratio Lower Upper
61 100
96 69.4 51.2 76.8
98 43.1 33.4 50.0

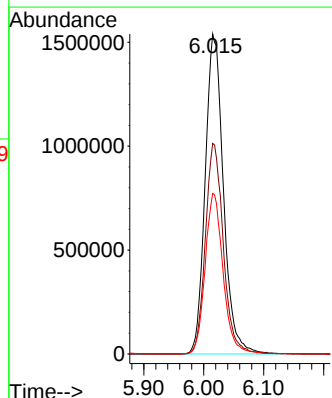
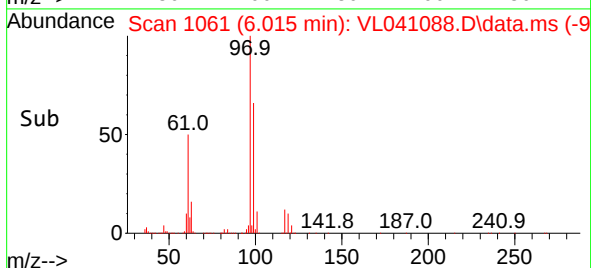
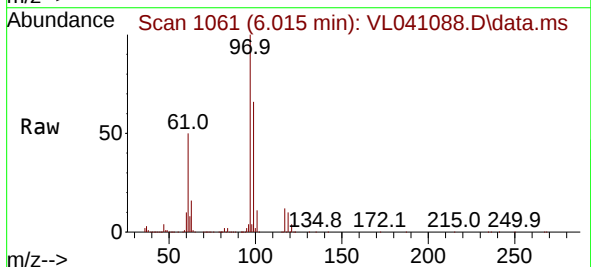
Manual Integrations
APPROVED

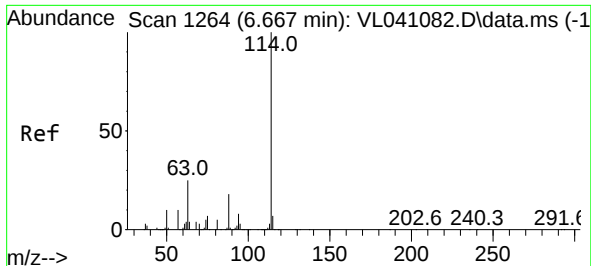
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#32
1,1,1-Trichloroethane
Concen: 15.238 ppbv
RT: 6.015 min Scan# 1061
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 97 Resp: 3262097
Ion Ratio Lower Upper
97 100
99 64.9 52.4 78.6
61 49.7 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:114 Resp: 3798074

Ion Ratio Lower Upper

114 100

63 26.2 21.0 31.6

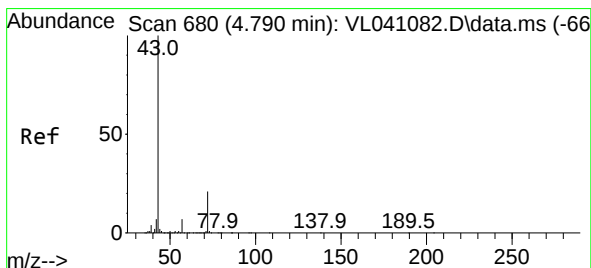
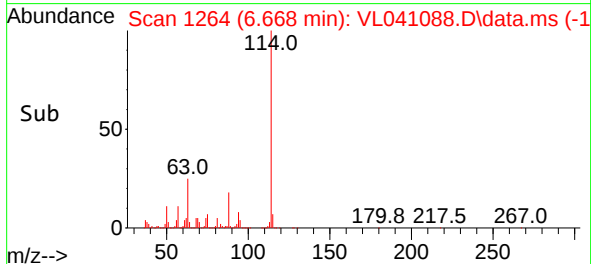
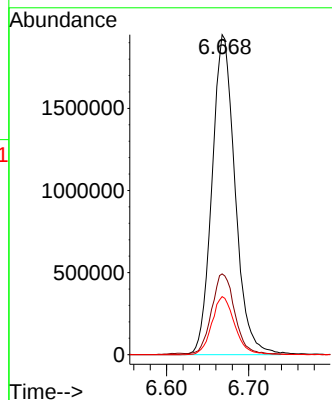
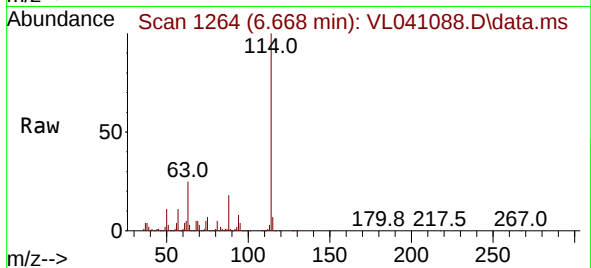
88 18.1 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#34

2-Butanone

Concen: 14.959 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL041088.D

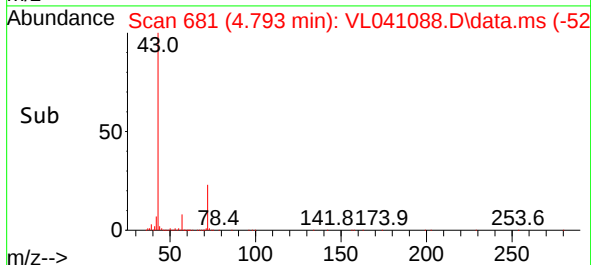
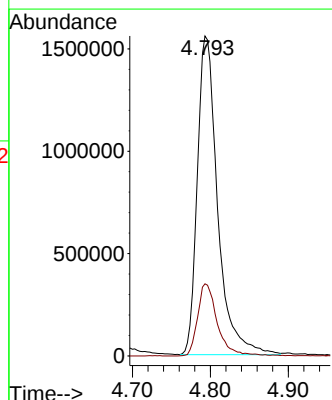
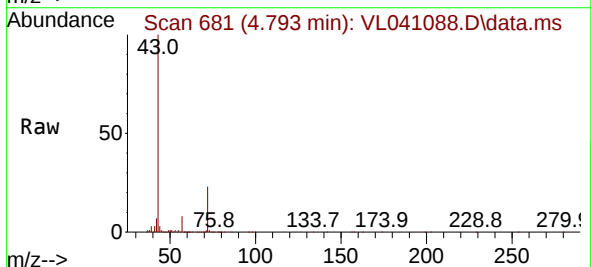
Acq: 11 Mar 2024 14:55

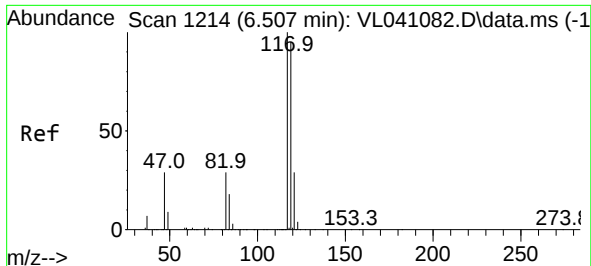
Tgt Ion: 43 Resp: 2820733

Ion Ratio Lower Upper

43 100

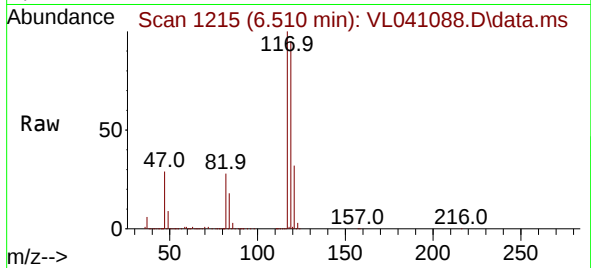
72 22.3 17.4 26.0





#35
Carbon Tetrachloride
Concen: 15.693 ppbv
RT: 6.510 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

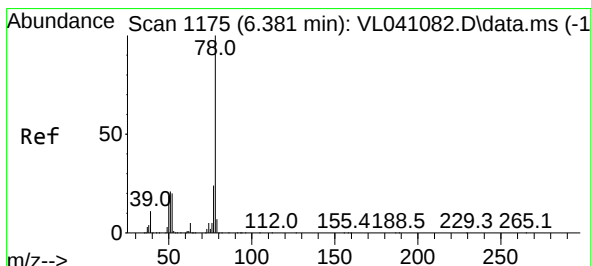
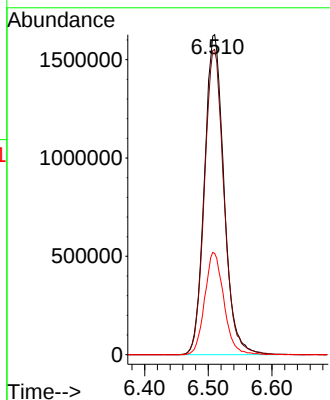
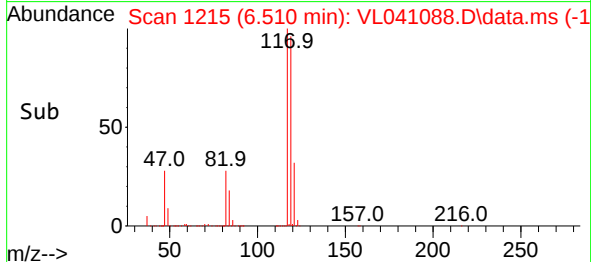
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 117 Resp: 3470664
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4
121 31.7 23.4 35.2

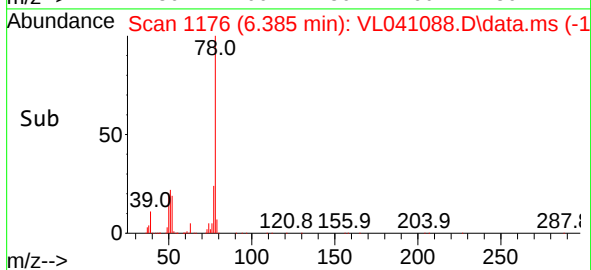
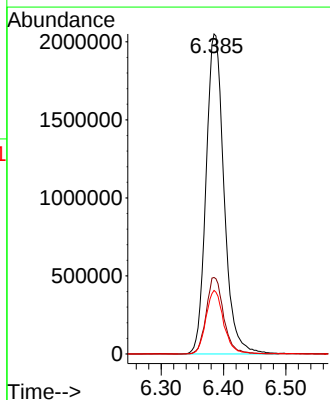
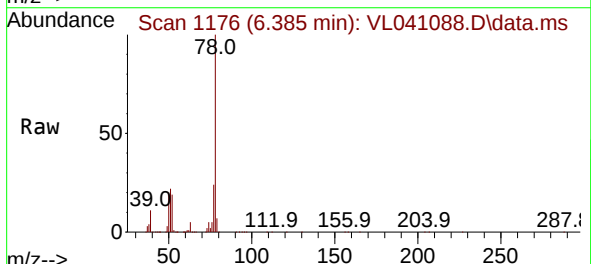
Manual Integrations
APPROVED

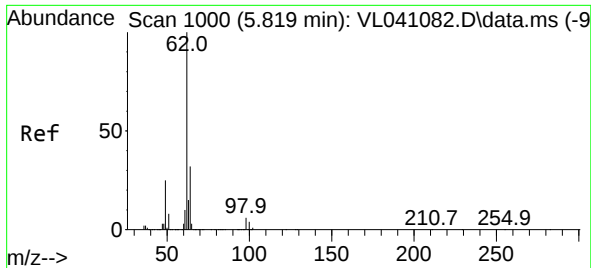
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#36
Benzene
Concen: 14.522 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

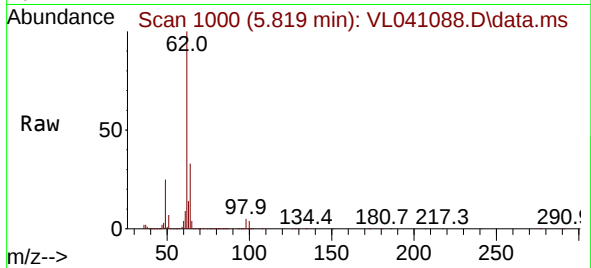
Tgt Ion: 78 Resp: 4105500
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2
50 19.9 15.5 23.3





#37
1,2-Dichloroethane
Concen: 14.435 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

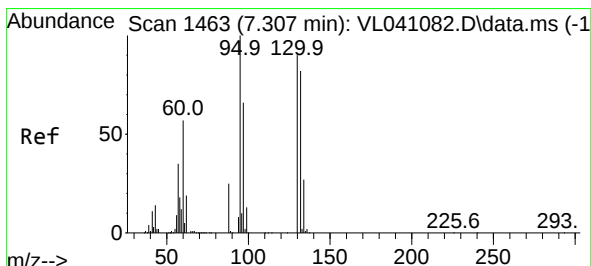
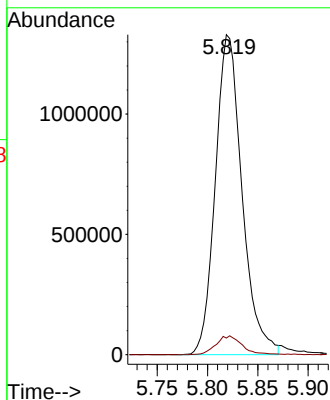
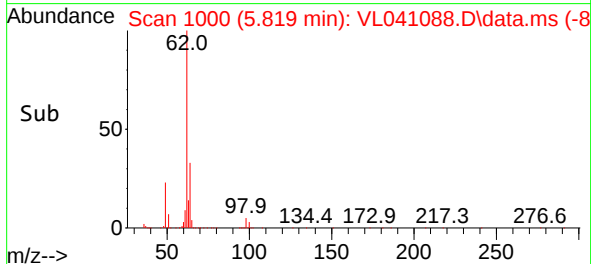
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



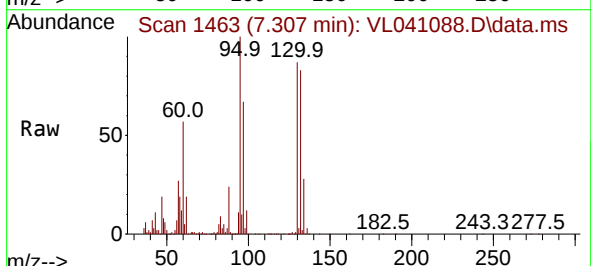
Tgt Ion: 62 Resp: 245525
Ion Ratio Lower Upper
62 100
98 5.9 4.6 6.8

Manual Integrations
APPROVED

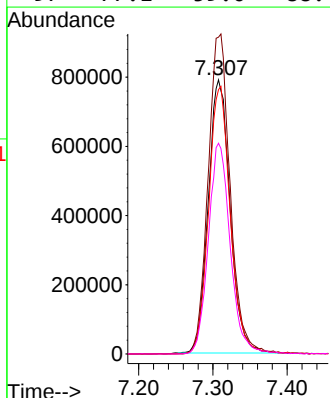
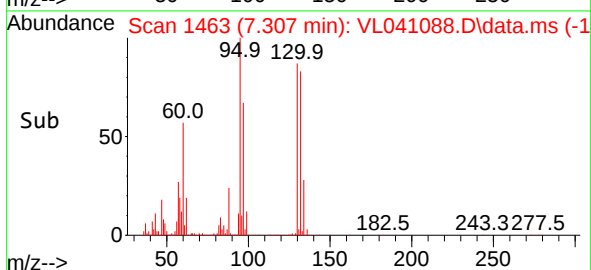
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

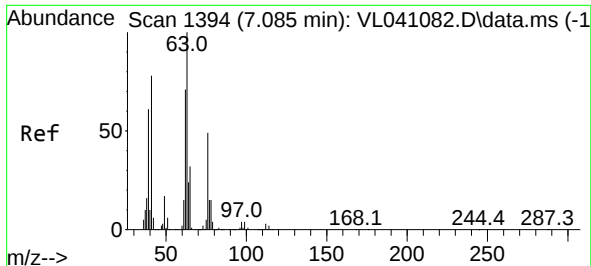


#38
Trichloroethene
Concen: 15.349 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



Tgt Ion:130 Resp: 1619988
Ion Ratio Lower Upper
130 100
95 115.9 88.8 133.2
132 96.7 73.0 109.4
97 77.1 59.0 88.4





#39

1,2-Dichloropropane

Concen: 14.206 ppbv

RT: 7.089 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 63 Resp: 160603

Ion Ratio Lower Upper

63 100

41 74.7 62.2 93.4

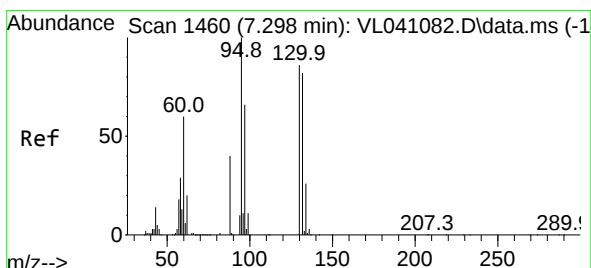
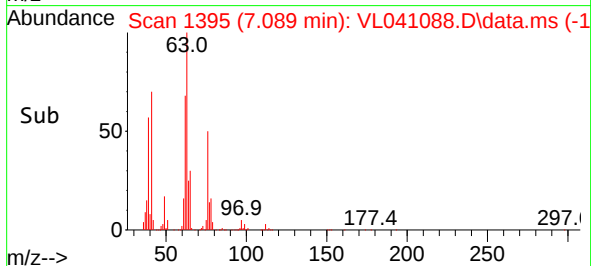
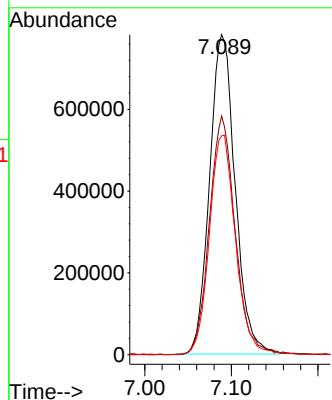
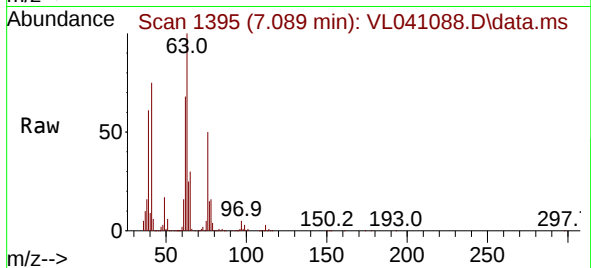
62 68.4 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#40

1,4-Dioxane

Concen: 14.582 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Tgt Ion: 88 Resp: 649919

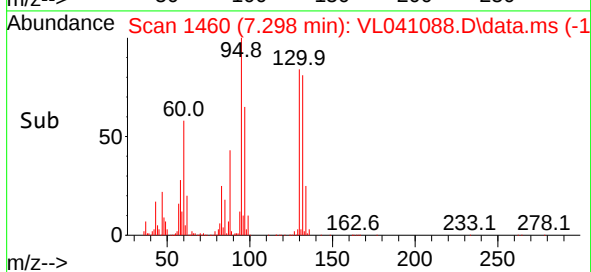
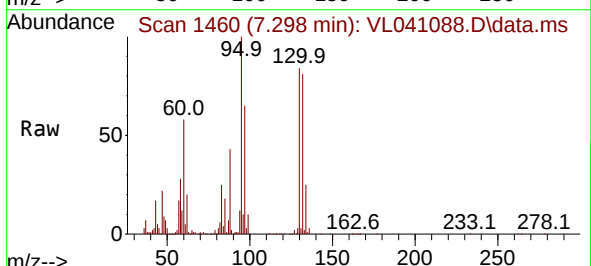
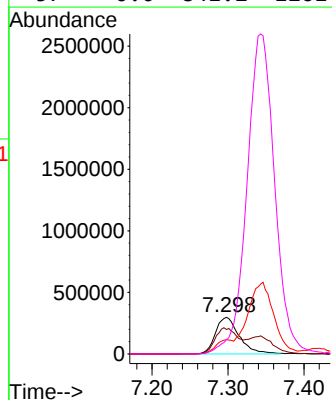
Ion Ratio Lower Upper

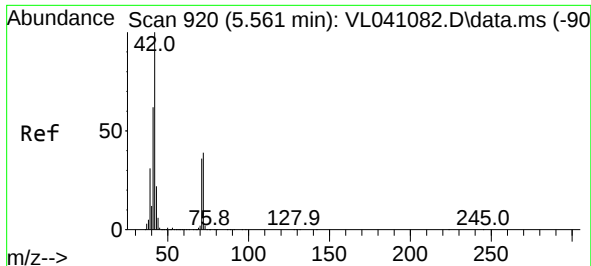
88 100

58 74.3 96.3 144.5#

43 0.0 195.7 293.5#

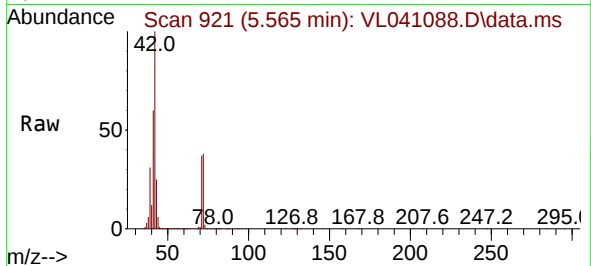
57 0.0 841.2 1261.8#





#41
Tetrahydrofuran
Concen: 15.262 ppbv
RT: 5.565 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

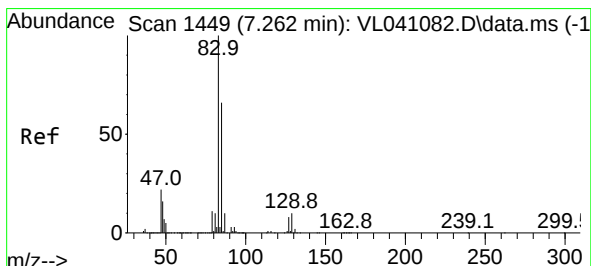
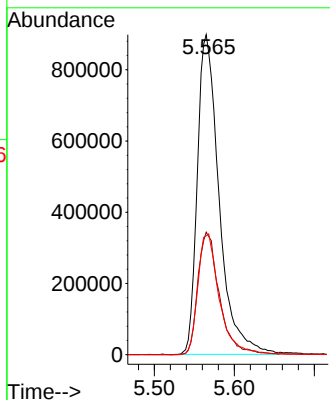
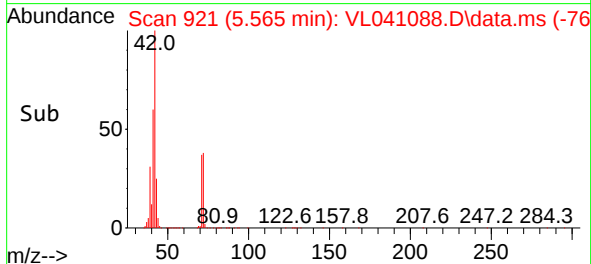
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



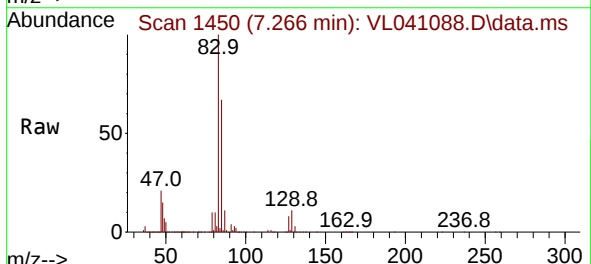
Tgt Ion: 42 Resp: 170741
Ion Ratio Lower Upper
42 100
72 38.1 30.7 46.1
71 37.6 29.6 44.4

Manual Integrations
APPROVED

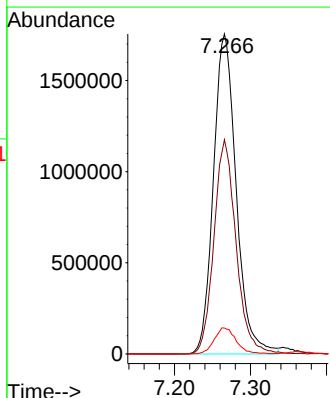
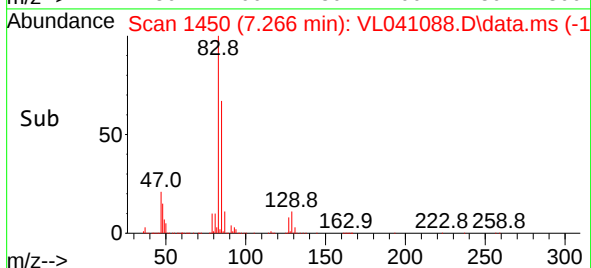
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

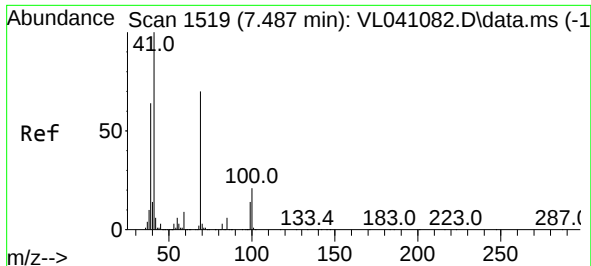


#42
Bromodichloromethane
Concen: 14.970 ppbv
RT: 7.266 min Scan# 1450
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



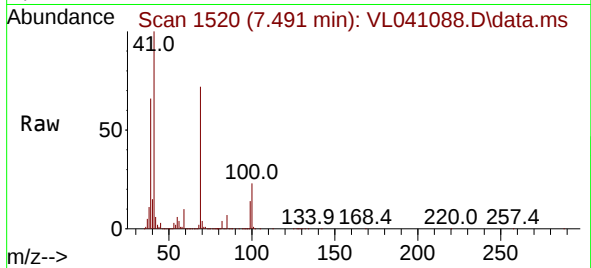
Tgt Ion: 83 Resp: 3647800
Ion Ratio Lower Upper
83 100
85 66.9 53.1 79.7
127 8.1 6.2 9.4





#43
Methyl Methacrylate
Concen: 15.981 ppbv
RT: 7.491 min Scan# 1519
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

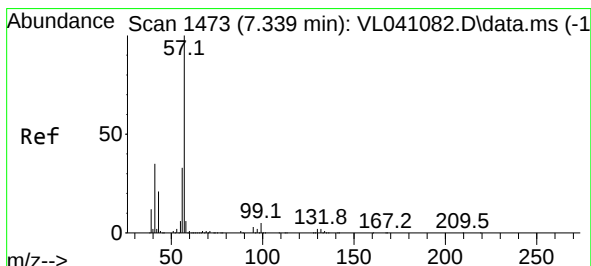
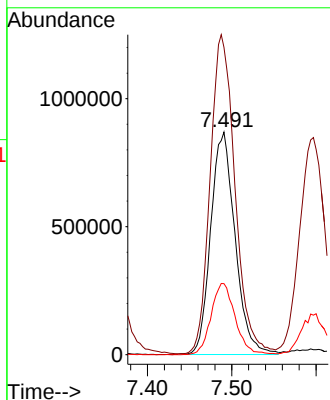
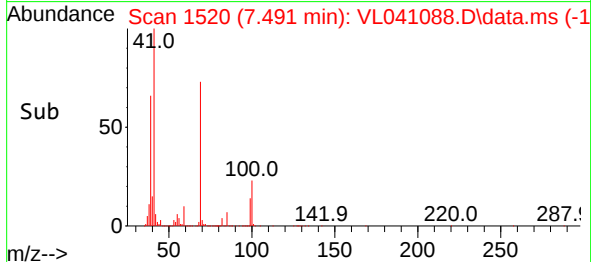
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 69 Resp: 1745550
Ion Ratio Lower Upper
69 100
41 146.1 118.2 177.4
100 31.8 24.8 37.2

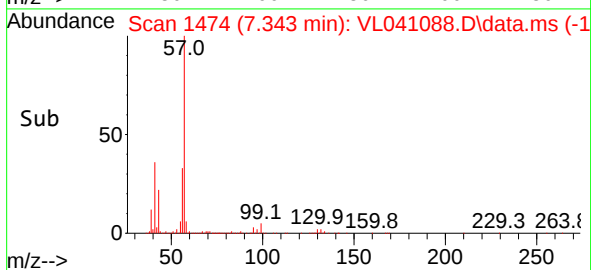
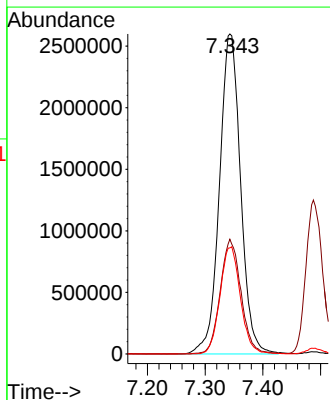
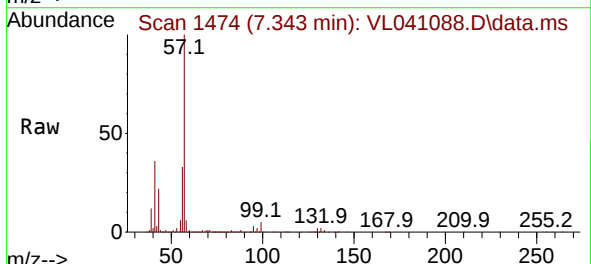
Manual Integrations
APPROVED

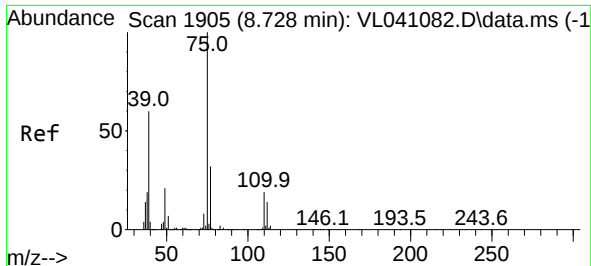
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#44
2,2,4-Trimethylpentane
Concen: 13.996 ppbv
RT: 7.343 min Scan# 1474
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

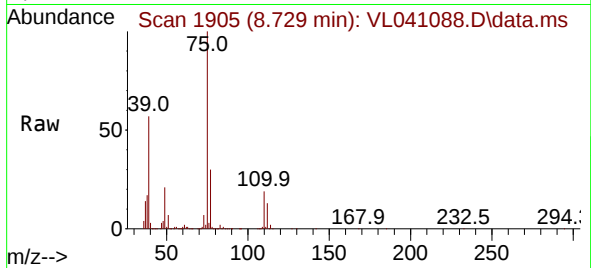
Tgt Ion: 57 Resp: 6613436
Ion Ratio Lower Upper
57 100
41 35.3 28.0 42.0
56 32.4 25.7 38.5





#45
t-1,3-Dichloropropene
Concen: 18.517 ppbv
RT: 8.729 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

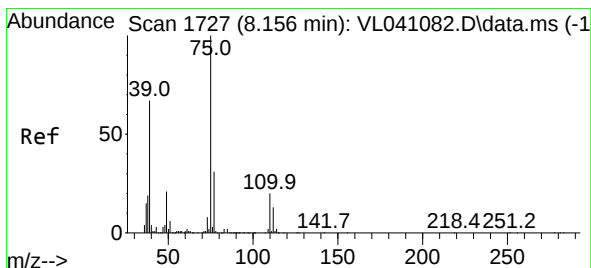
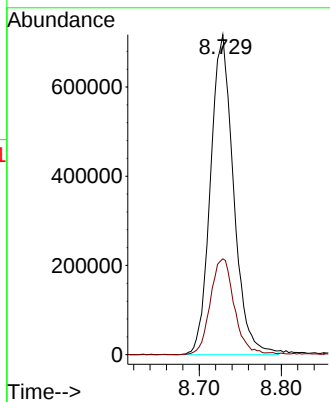
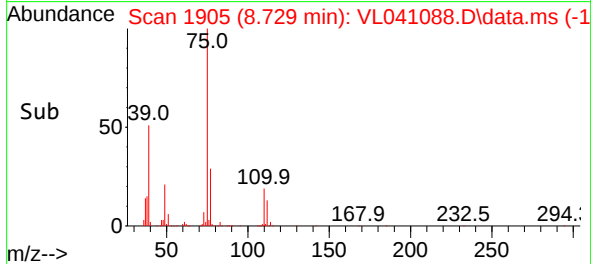
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



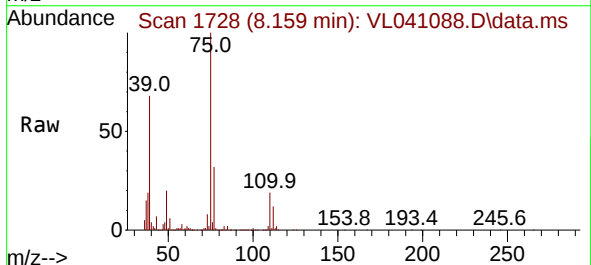
Tgt Ion: 75 Resp: 140481
Ion Ratio Lower Upper
75 100
77 30.0 25.3 37.9

Manual Integrations
APPROVED

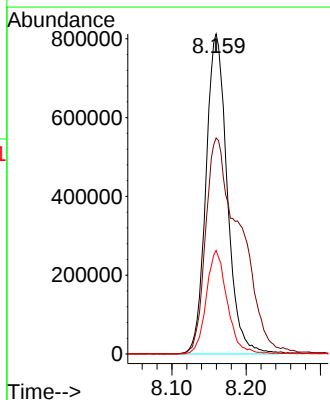
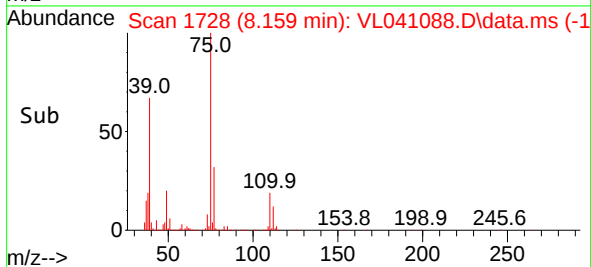
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

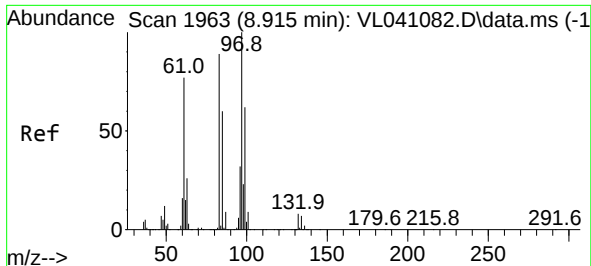


#46
cis-1,3-Dichloropropene
Concen: 17.090 ppbv
RT: 8.159 min Scan# 1728
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



Tgt Ion: 75 Resp: 1615394
Ion Ratio Lower Upper
75 100
39 67.4 53.3 79.9
77 32.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 14.864 ppbv

RT: 8.915 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VL041088.D

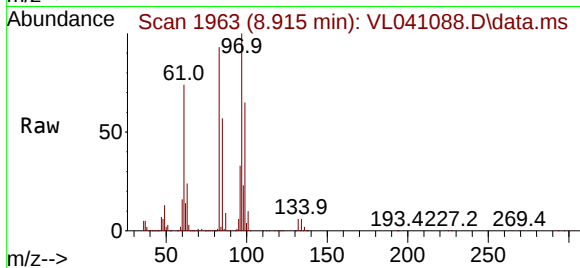
Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion: 97 Resp: 179618

Ion Ratio Lower Upper

97 100

83 92.8 71.1 106.7

85 56.8 48.2 72.2

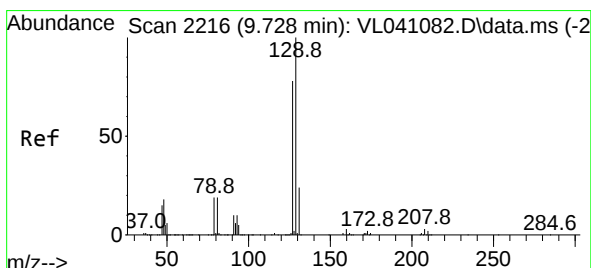
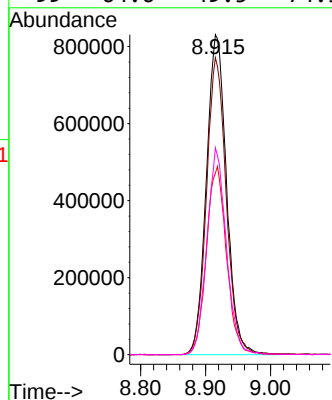
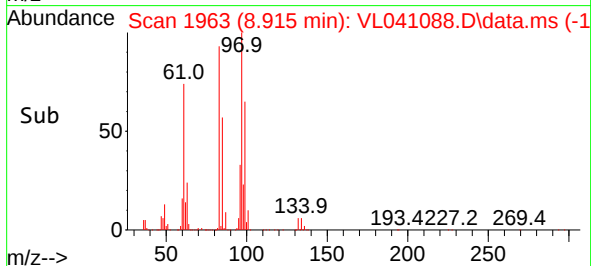
99 64.6 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#48

Dibromochloromethane

Concen: 15.841 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. -0.003 min

Lab File: VL041088.D

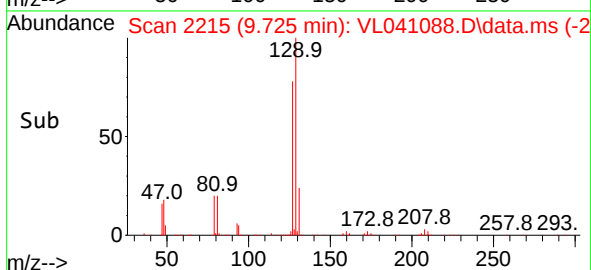
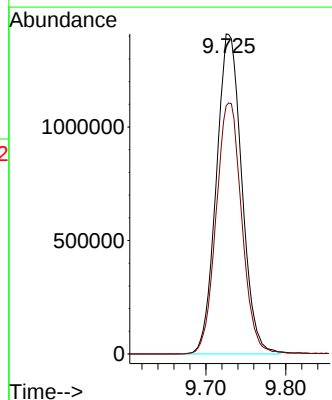
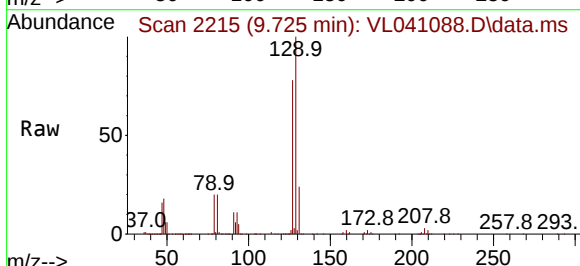
Acq: 11 Mar 2024 14:55

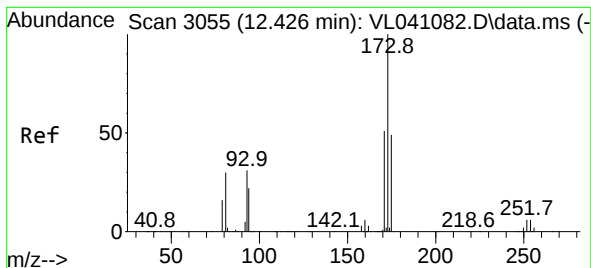
Tgt Ion:129 Resp: 3118517

Ion Ratio Lower Upper

129 100

127 79.3 39.6 118.8





#49

Bromoform

Concen: 16.650 ppbv

RT: 12.426 min Scan# 3055

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:173 Resp: 260382

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

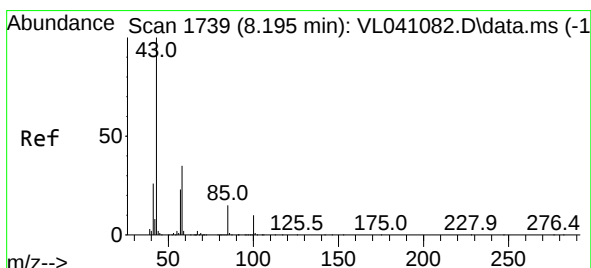
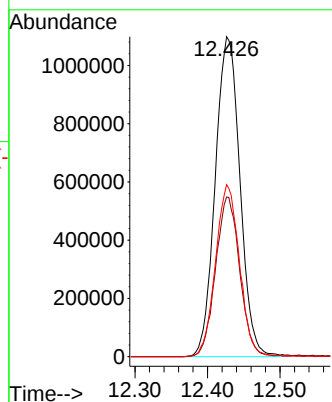
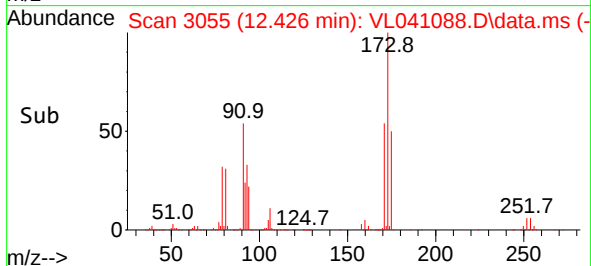
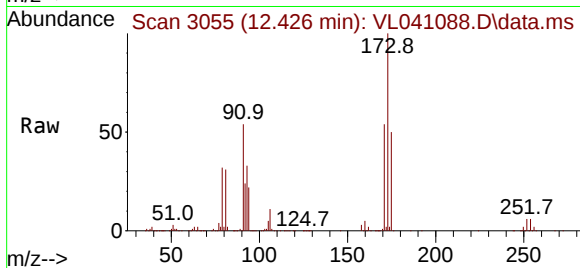
171 52.4 41.8 62.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#50

4-Methyl-2-Pentanone

Concen: 15.372 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.000 min

Lab File: VL041088.D

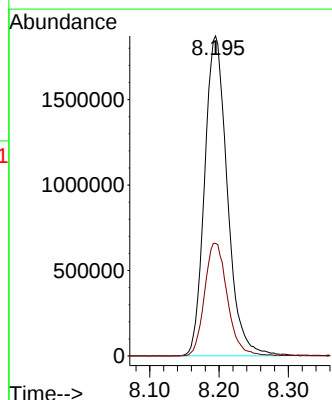
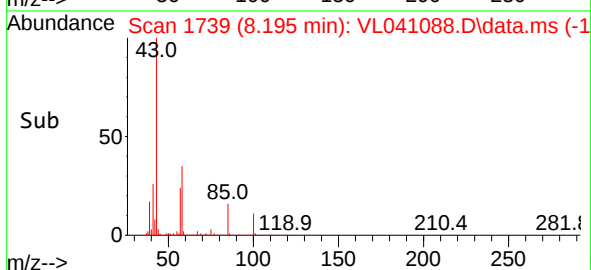
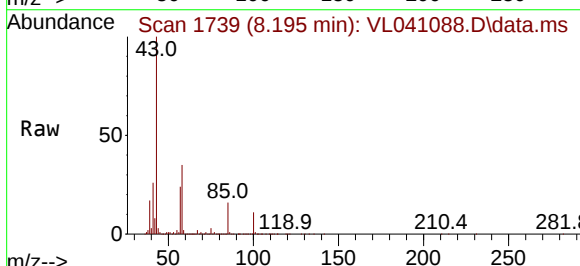
Acq: 11 Mar 2024 14:55

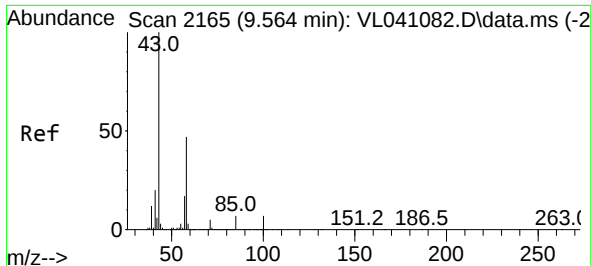
Tgt Ion: 43 Resp: 4263550

Ion Ratio Lower Upper

43 100

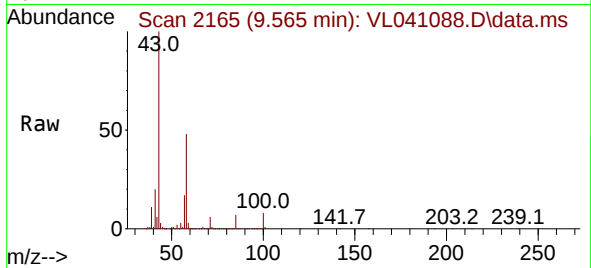
58 35.7 28.3 42.5





#51
2-Hexanone
Concen: 15.334 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

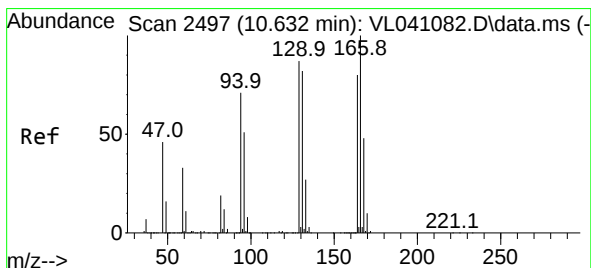
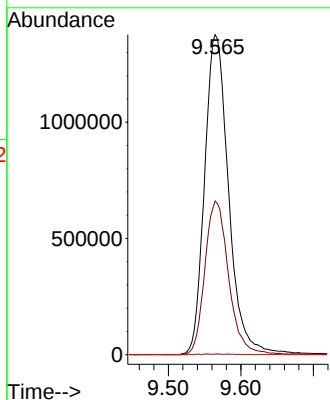
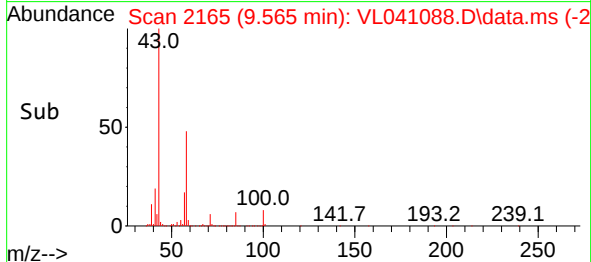
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 43 Resp: 314958
Ion Ratio Lower Upper
43 100
58 48.1 37.4 56.2
98 0.3 0.4 0.6

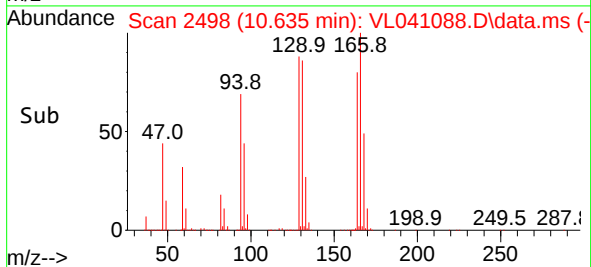
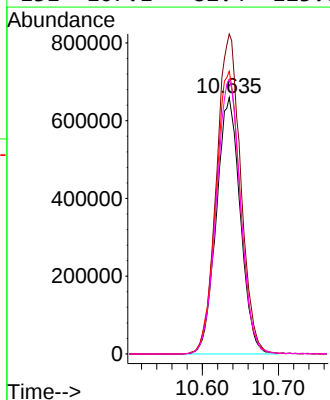
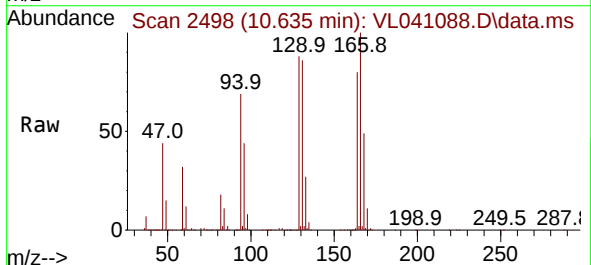
Manual Integrations
APPROVED

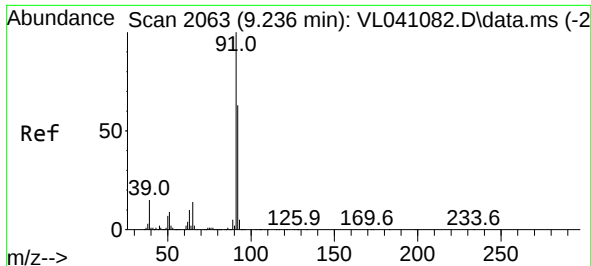
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#52
Tetrachloroethene
Concen: 16.340 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion:164 Resp: 1436437
Ion Ratio Lower Upper
164 100
166 124.8 100.6 150.8
129 110.2 87.2 130.8
131 107.1 82.4 123.6





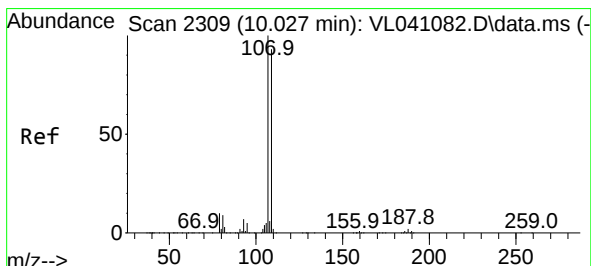
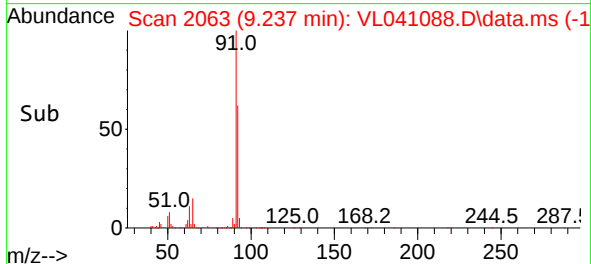
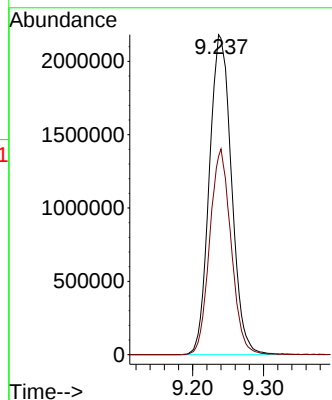
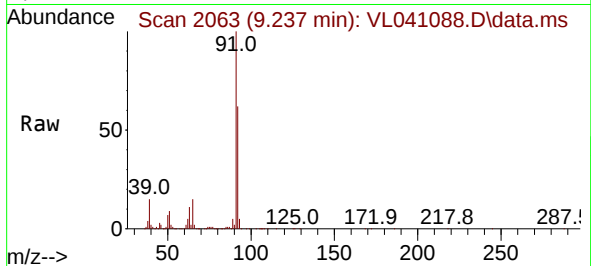
#53
Toluene
Concen: 15.527 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 473163
Ion Ratio Lower Upper
91 100
92 62.1 48.9 73.3

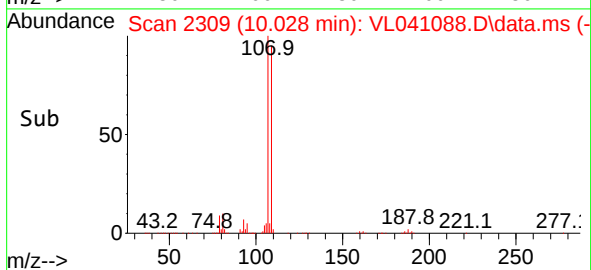
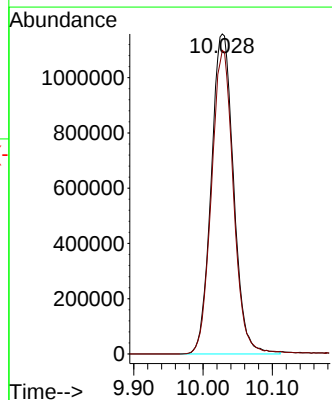
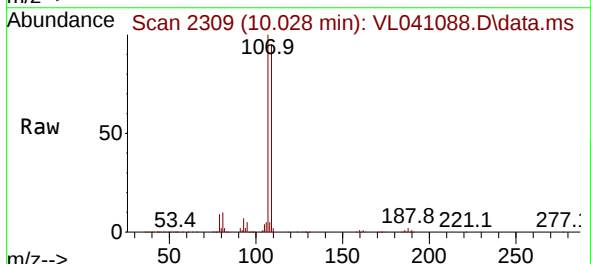
Manual Integrations
APPROVED

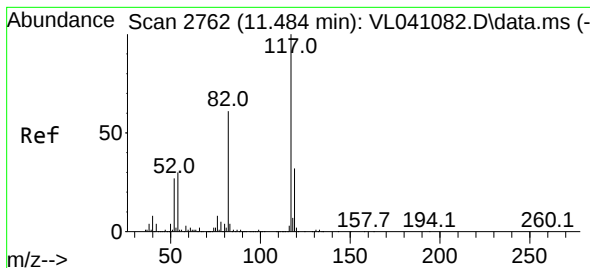
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#54
1,2-Dibromoethane
Concen: 16.745 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

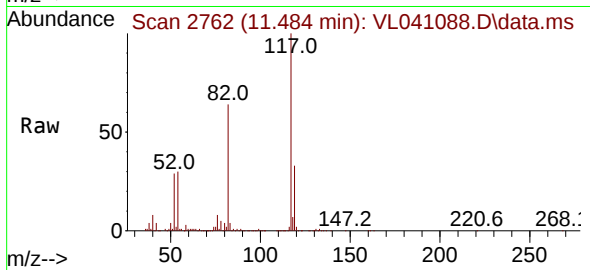
Tgt Ion:107 Resp: 2596014
Ion Ratio Lower Upper
107 100
109 94.9 74.4 111.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

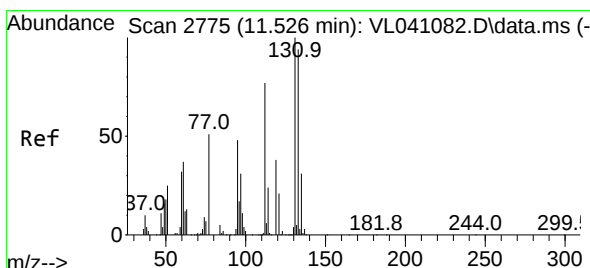
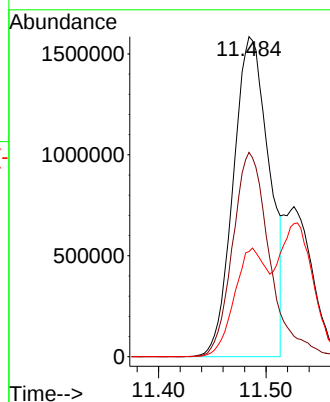
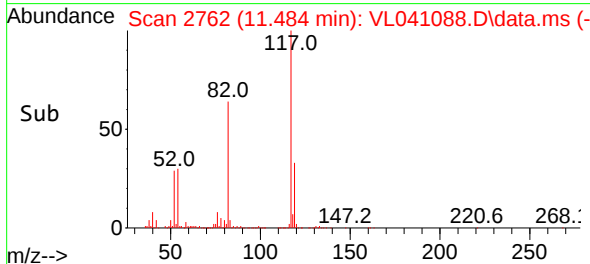
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



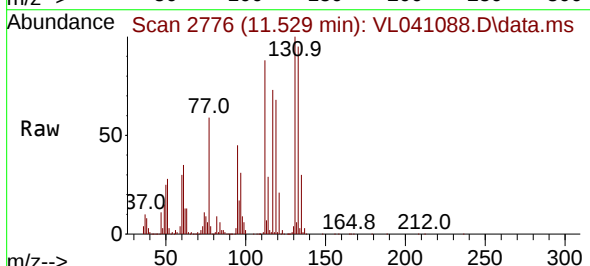
Tgt Ion:117 Resp: 3676284
Ion Ratio Lower Upper
117 100
82 66.3 51.4 77.2
119 32.7 23.7 35.5

Manual Integrations
APPROVED

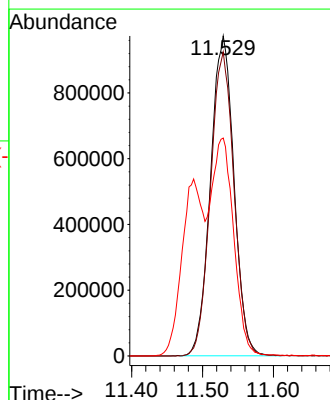
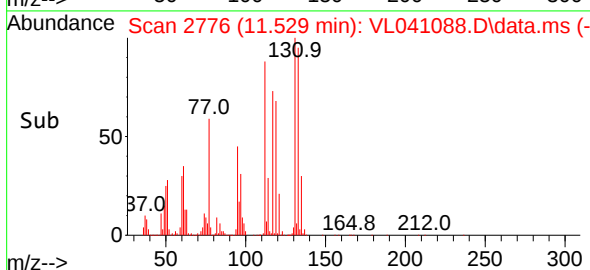
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

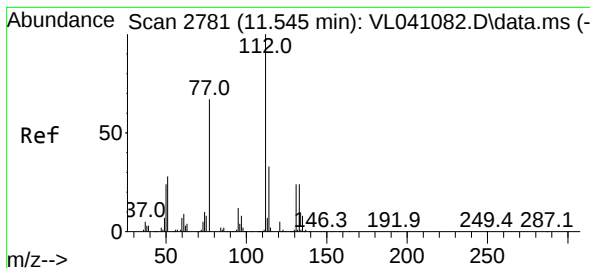


#56
1,1,1,2-Tetrachloroethane
Concen: 14.200 ppbv
RT: 11.529 min Scan# 2776
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



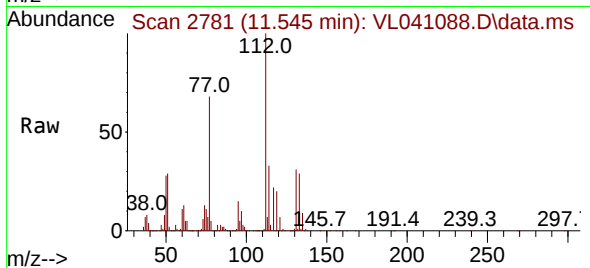
Tgt Ion:131 Resp: 2235161
Ion Ratio Lower Upper
131 100
133 95.4 76.1 114.1
119 63.9 51.1 76.7





#57
Chlorobenzene
Concen: 13.994 ppbv
RT: 11.545 min Scan# 2781
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

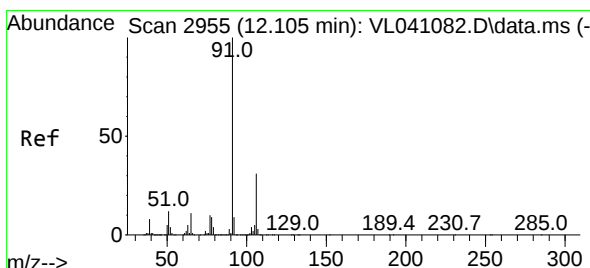
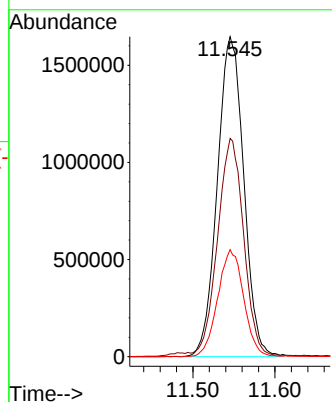
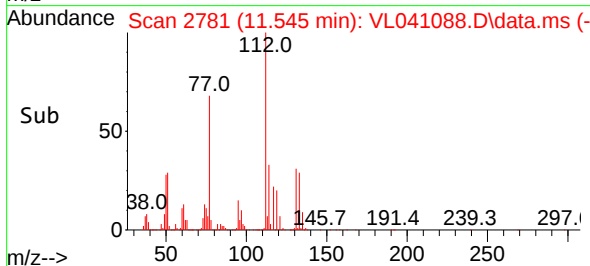
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 112 Resp: 368321
Ion Ratio Lower Upper
112 100
77 67.8 54.6 81.8
114 33.5 29.4 36.0

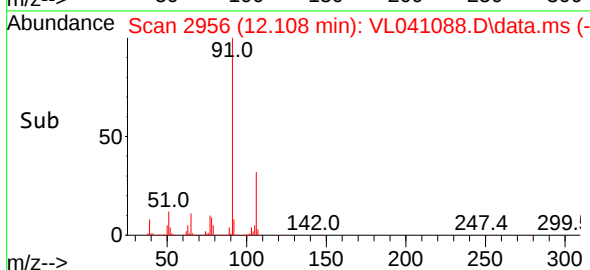
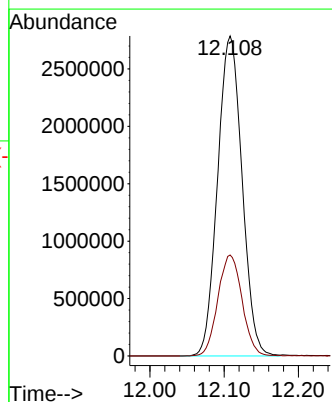
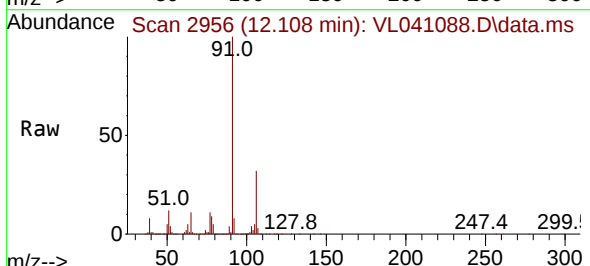
Manual Integrations
APPROVED

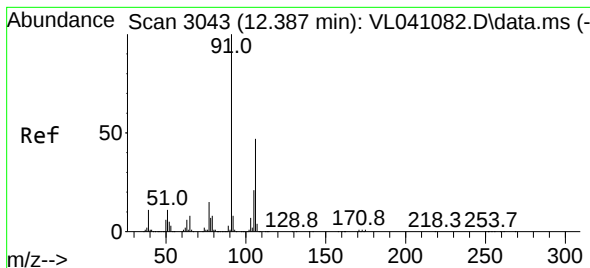
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#58
Ethyl Benzene
Concen: 14.833 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 91 Resp: 6384257
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8





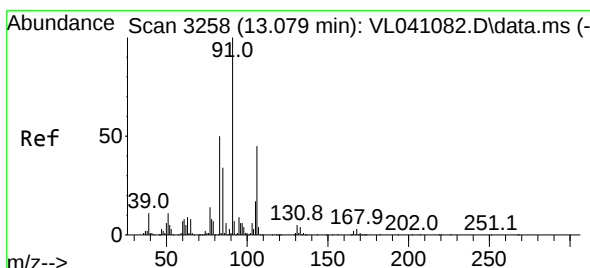
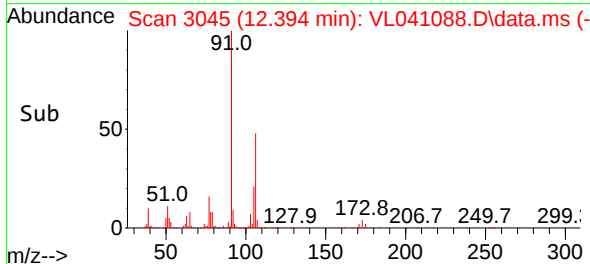
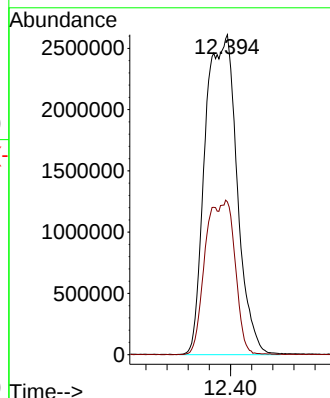
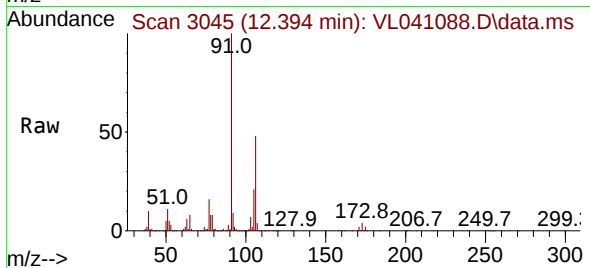
#59
m/p-Xylene
Concen: 28.772 ppbv m
RT: 12.394 min Scan# 3045
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp:10871859
Ion Ratio Lower Upper
91 100
106 45.1 35.4 53.2

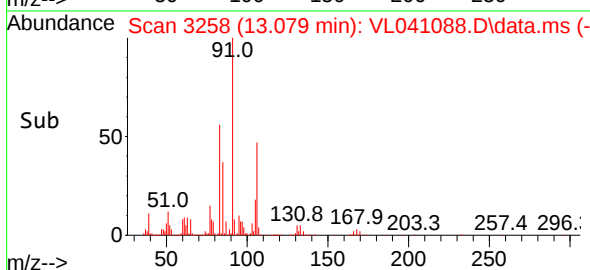
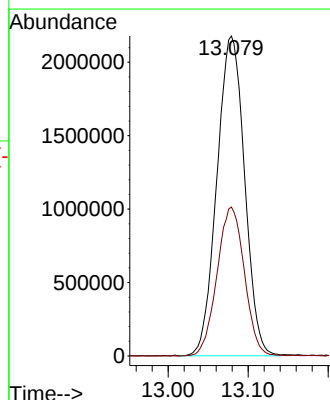
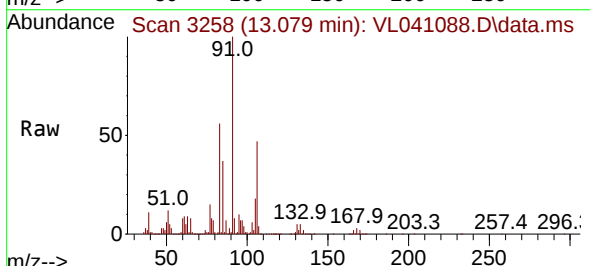
Manual Integrations
APPROVED

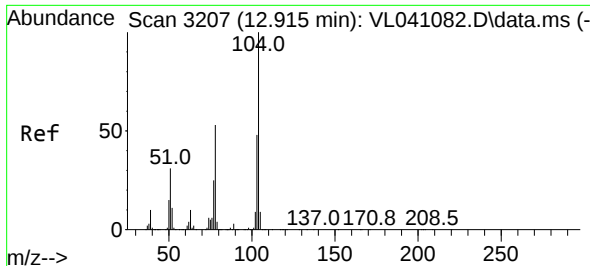
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#60
o-Xylene
Concen: 14.593 ppbv
RT: 13.079 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 91 Resp: 5230094
Ion Ratio Lower Upper
91 100
106 46.3 22.4 67.3





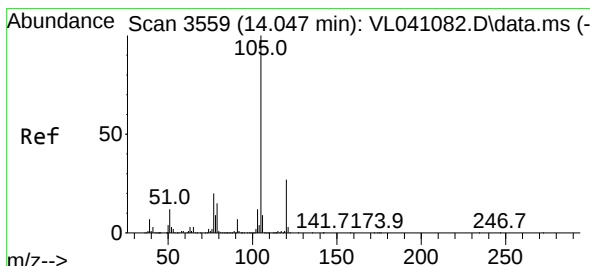
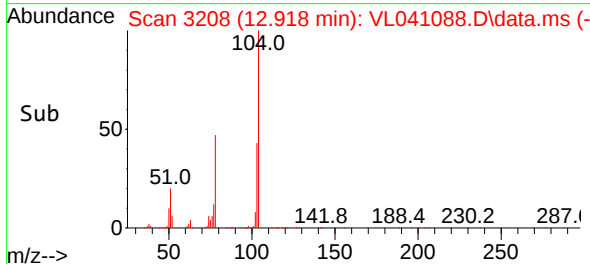
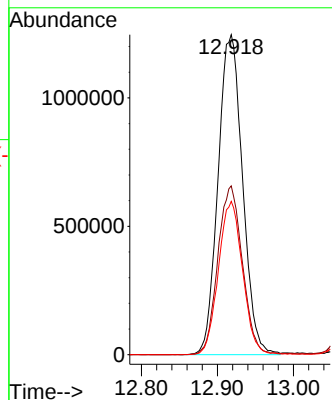
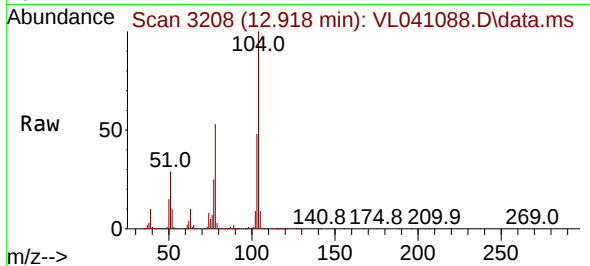
#61
Styrene
Concen: 17.065 ppbv
RT: 12.918 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:104 Resp: 2789472
Ion Ratio Lower Upper
104 100
78 53.1 42.6 64.0
103 47.5 37.3 55.9

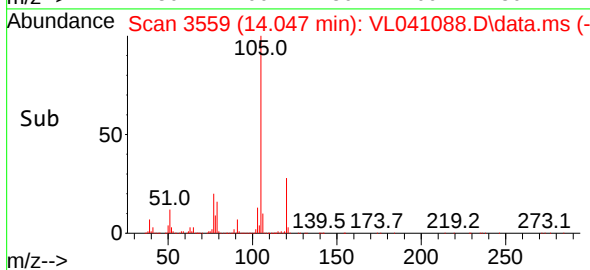
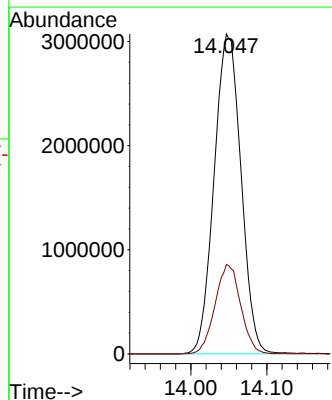
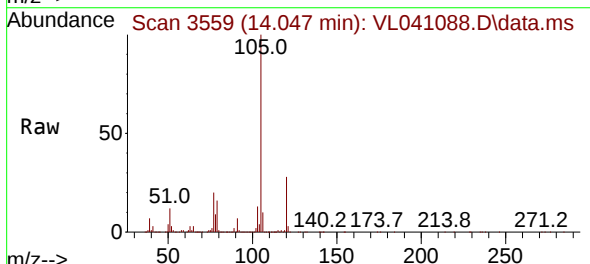
Manual Integrations
APPROVED

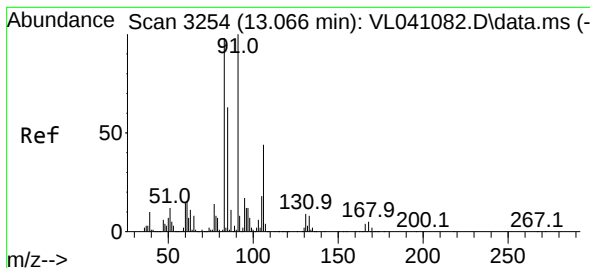
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#62
Isopropylbenzene
Concen: 14.119 ppbv
RT: 14.047 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

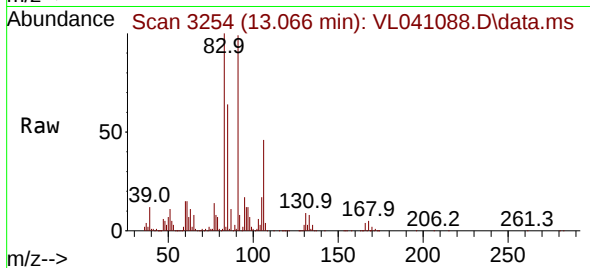
Tgt Ion:105 Resp: 7526739
Ion Ratio Lower Upper
105 100
120 26.7 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 14.322 ppbv
RT: 13.066 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

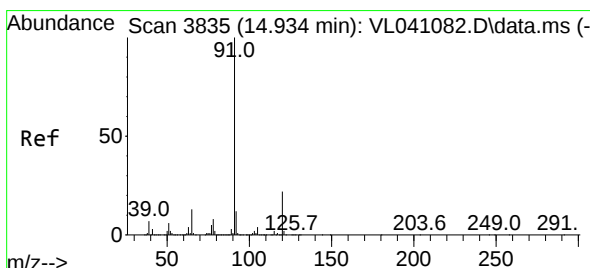
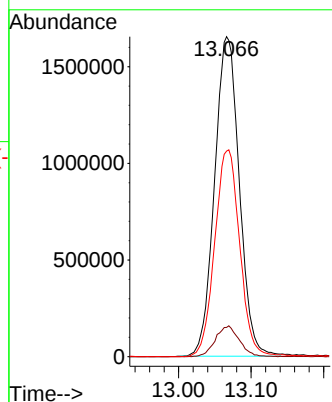
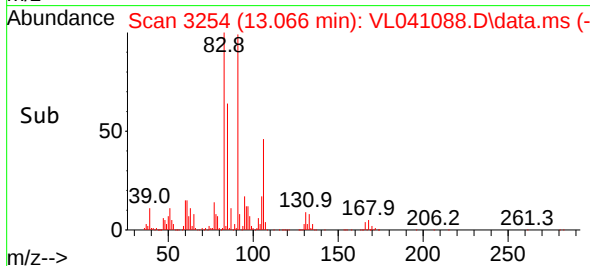
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



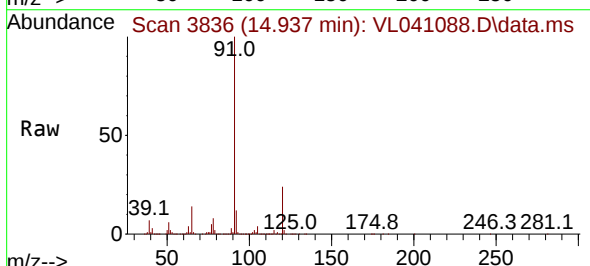
Tgt Ion: 83 Resp: 3919539
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.0
85 65.8 32.7 98.1

Manual Integrations
APPROVED

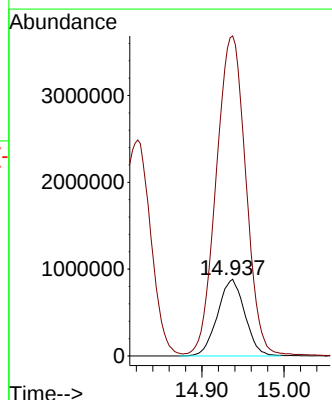
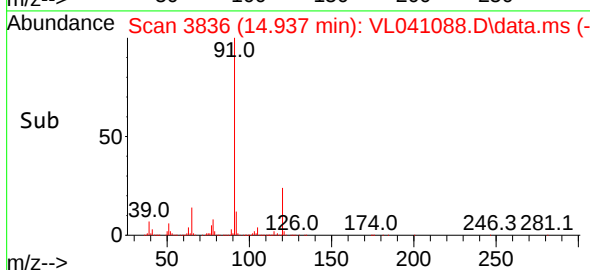
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

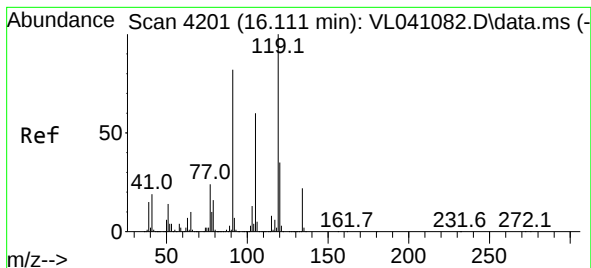


#64
n-propylbenzene
Concen: 15.168 ppbv
RT: 14.937 min Scan# 3836
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



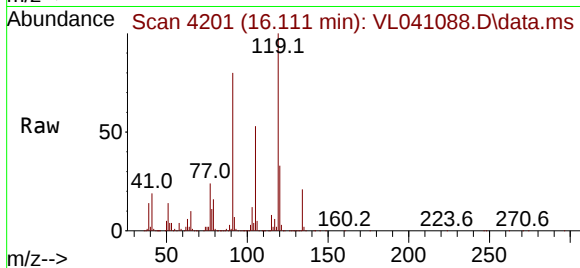
Tgt Ion:120 Resp: 2037703
Ion Ratio Lower Upper
120 100
91 455.5 387.5 581.3





#65
tert-Butylbenzene
Concen: 14.415 ppbv
RT: 16.111 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

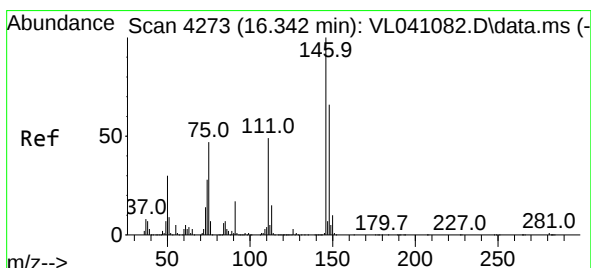
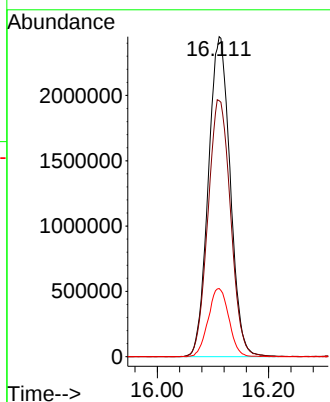
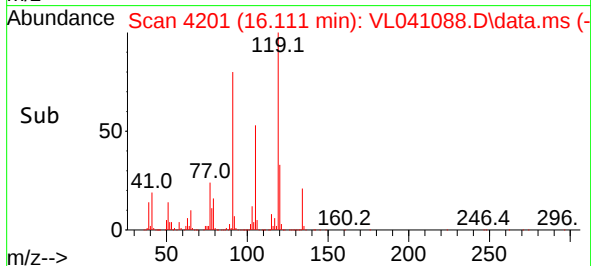
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:119 Resp: 666651
Ion Ratio Lower Upper
119 100
91 83.2 67.8 101.8
134 20.3 16.2 24.2

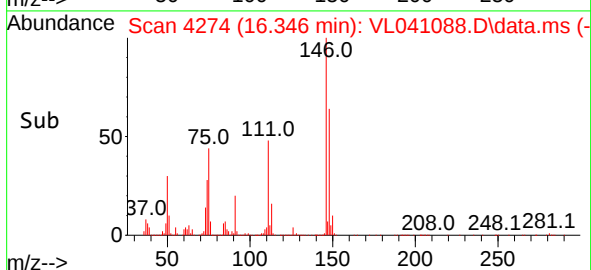
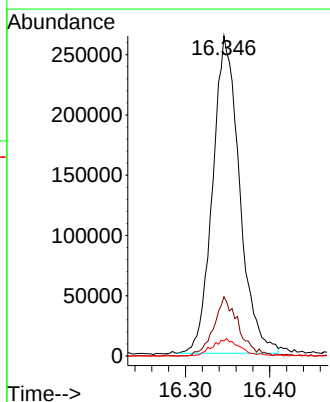
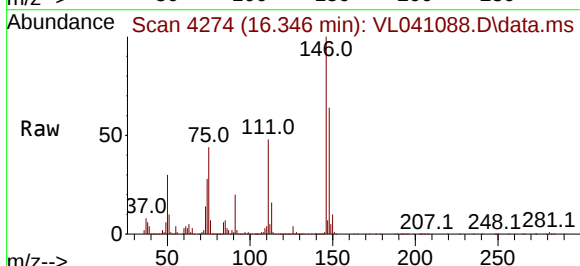
Manual Integrations
APPROVED

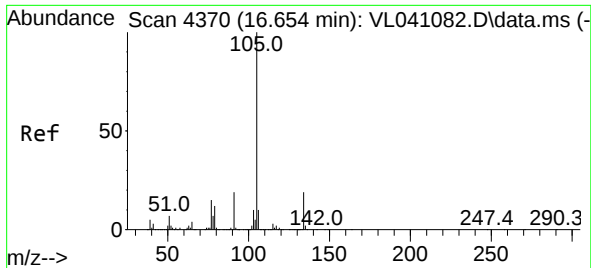
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#66
Benzyl Chloride
Concen: 18.717 ppbv
RT: 16.346 min Scan# 4274
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

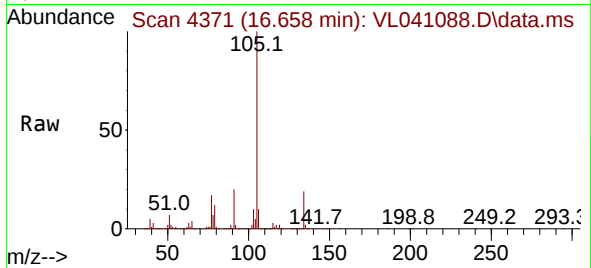
Tgt Ion: 91 Resp: 583309
Ion Ratio Lower Upper
91 100
126 17.6 14.1 21.1
128 5.6 4.6 7.0





#67
 sec-Butylbenzene
 Concen: 13.948 ppbv
 RT: 16.658 min Scan# 4371
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

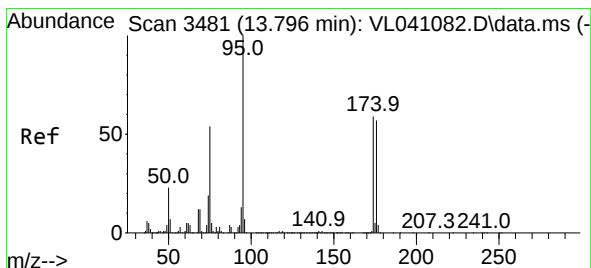
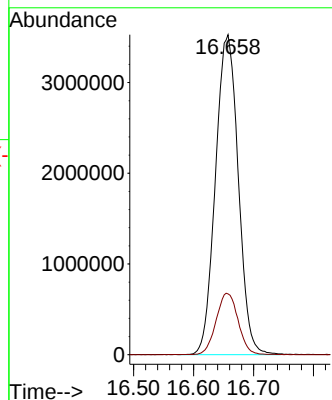
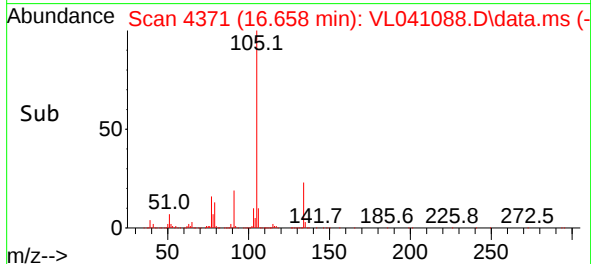
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:105 Resp: 9291872
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.3 21.5

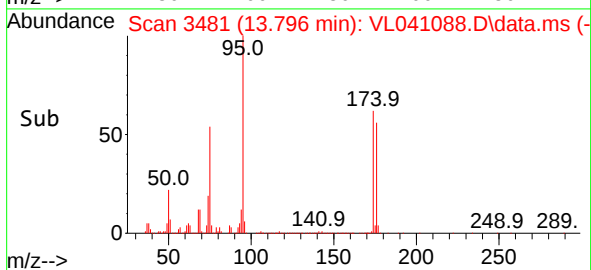
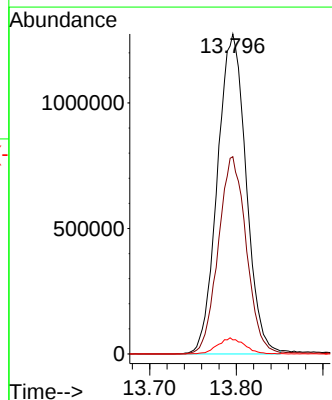
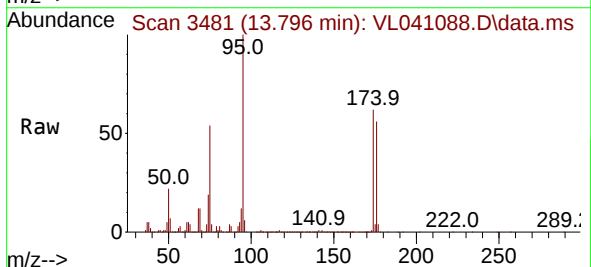
Manual Integrations
 APPROVED

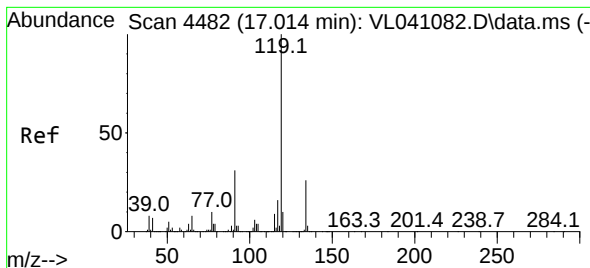
Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.198 ppbv
 RT: 13.796 min Scan# 3481
 Delta R.T. 0.000 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Tgt Ion: 95 Resp: 2931349
 Ion Ratio Lower Upper
 95 100
 174 61.0 47.8 71.8
 175 4.7 3.5 5.3





#69

p-Isopropyltoluene

Concen: 14.707 ppbv

RT: 17.018 min Scan# 4482

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 7642720

Ion Ratio Lower Upper

119 100

134 26.3 20.6 30.8

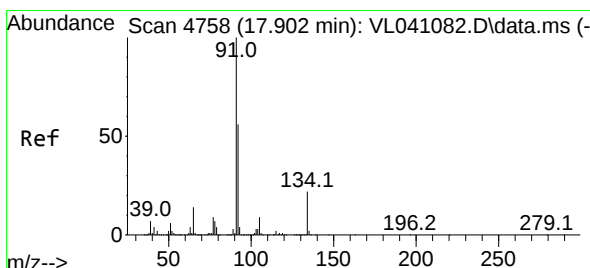
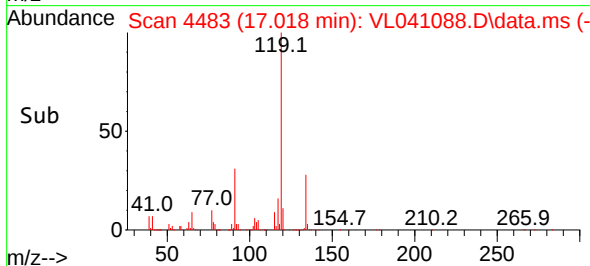
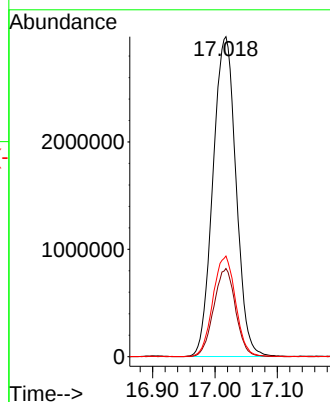
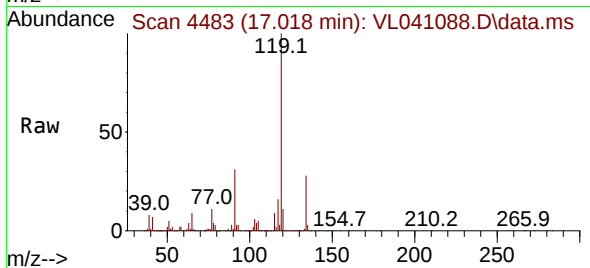
91 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#70

n-Butylbenzene

Concen: 14.534 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

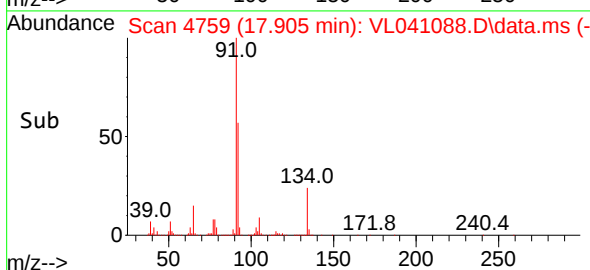
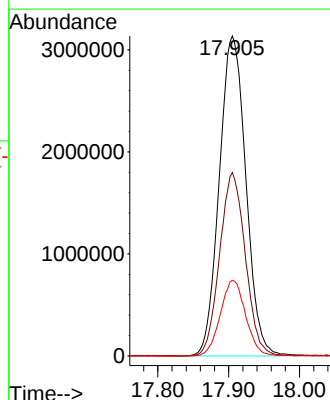
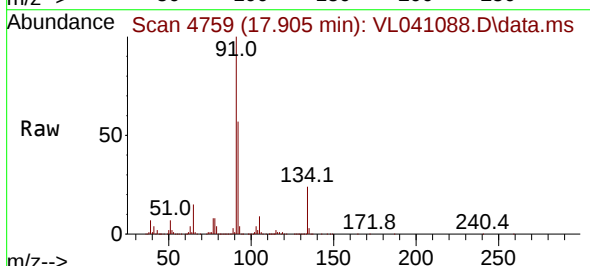
Tgt Ion: 91 Resp: 8163015

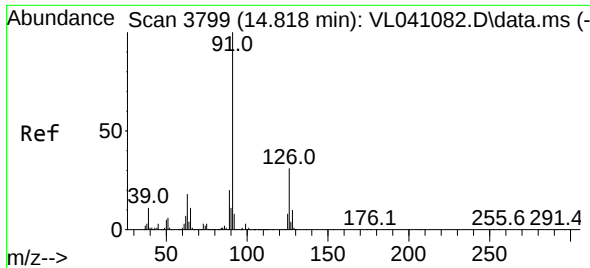
Ion Ratio Lower Upper

91 100

92 55.5 43.4 65.2

134 22.6 17.4 26.0





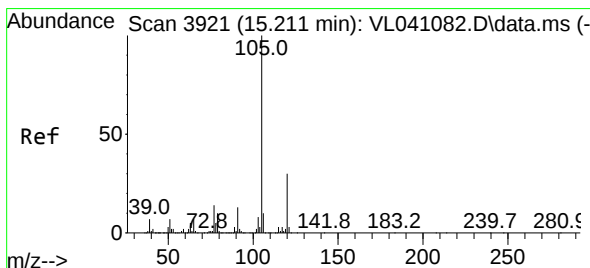
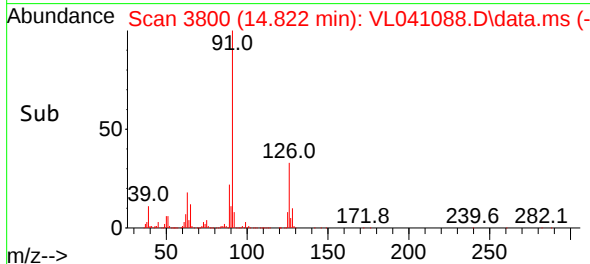
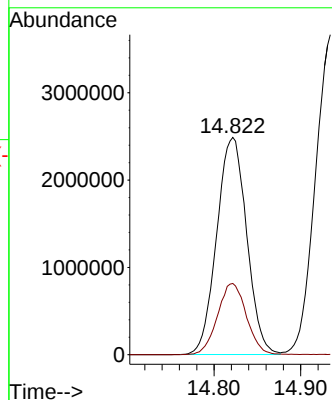
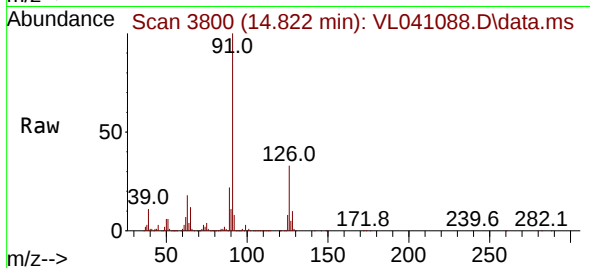
#71
2-Chlorotoluene
Concen: 14.671 ppbv
RT: 14.822 min Scan# 3799
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 5979929
Ion Ratio Lower Upper
91 100
126 31.8 12.2 48.8

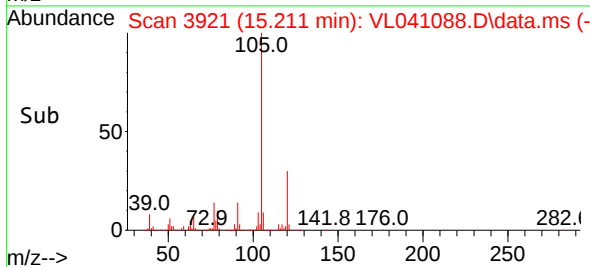
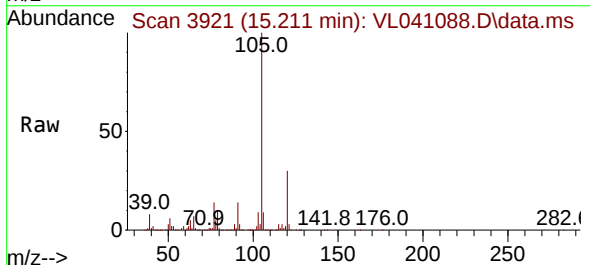
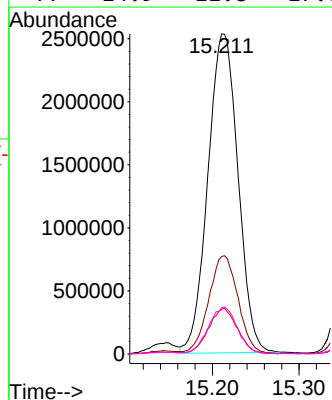
Manual Integrations
APPROVED

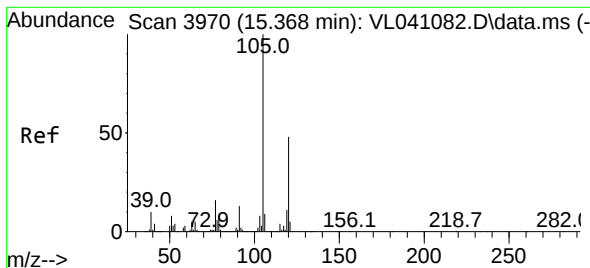
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024



#72
4-Ethyltoluene
Concen: 15.474 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion:105 Resp: 6111660
Ion Ratio Lower Upper
105 100
120 31.2 23.8 35.8
91 14.4 10.9 16.3
77 14.9 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 15.076 ppbv

RT: 15.371 min Scan# 3971

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 526914

Ion Ratio Lower Upper

105 100

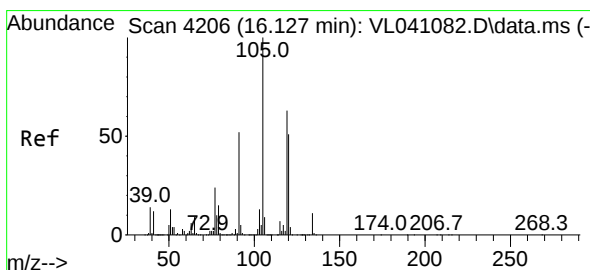
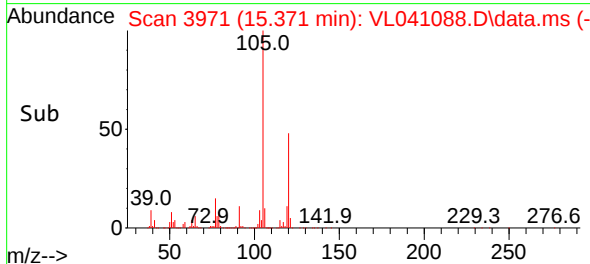
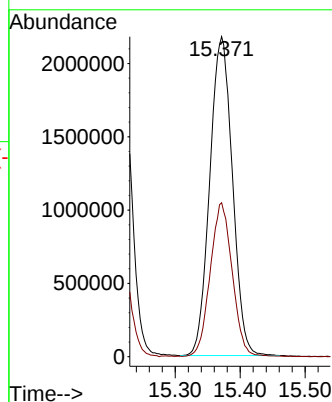
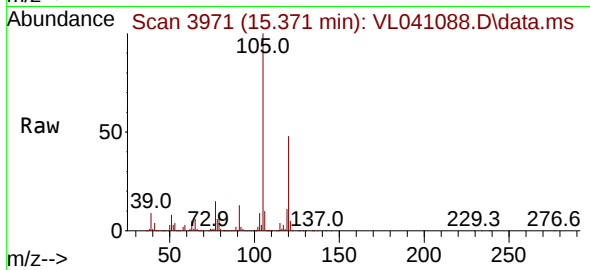
120 48.1 38.7 58.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#74

1,2,4-Trimethylbenzene

Concen: 14.286 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Tgt Ion:105 Resp: 5702555

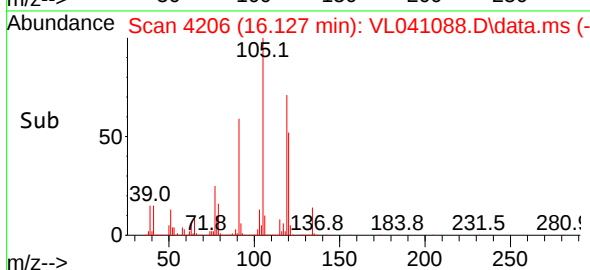
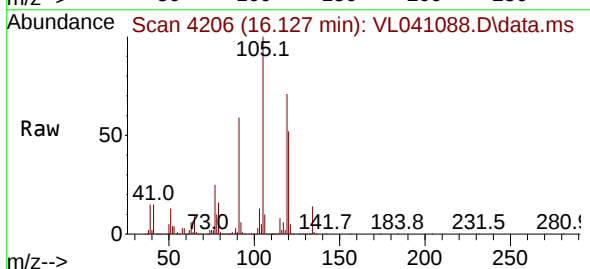
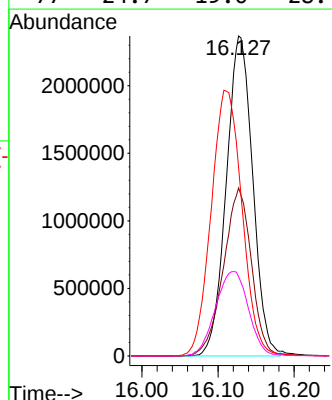
Ion Ratio Lower Upper

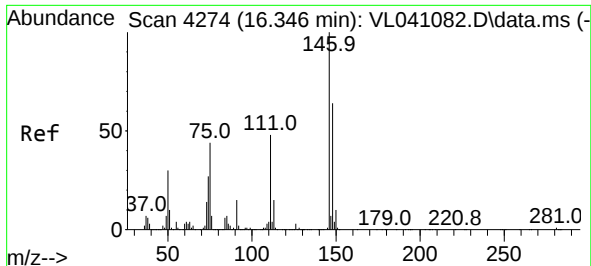
105 100

120 52.5 40.4 60.6

91 58.8 41.4 62.0

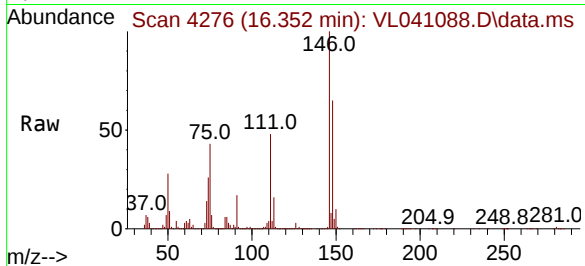
77 24.7 19.0 28.4





#75
1,3-Dichlorobenzene
Concen: 15.053 ppbv m
RT: 16.352 min Scan# 431
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

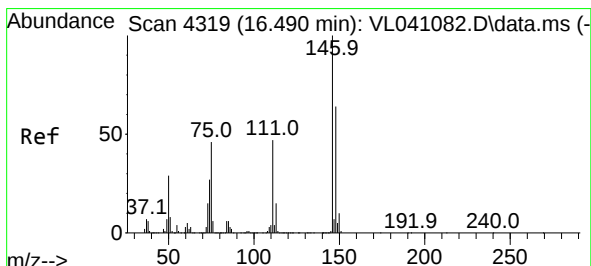
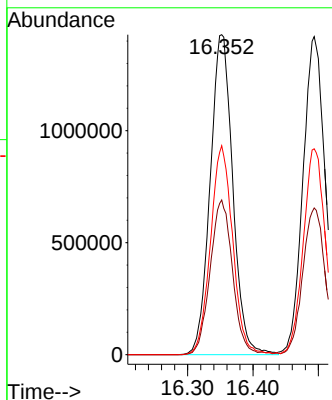
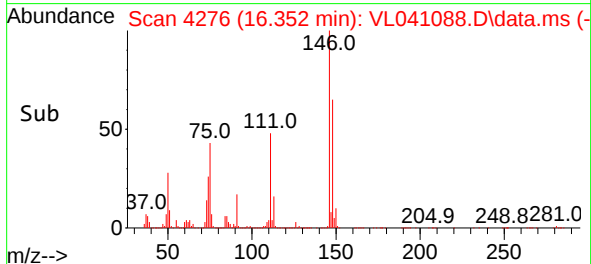
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



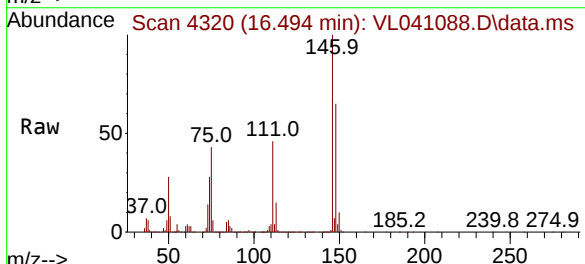
Tgt Ion:146 Resp: 342946
Ion Ratio Lower Upper
146 100
111 46.0 24.1 72.2
148 64.3 32.6 97.7

Manual Integrations
APPROVED

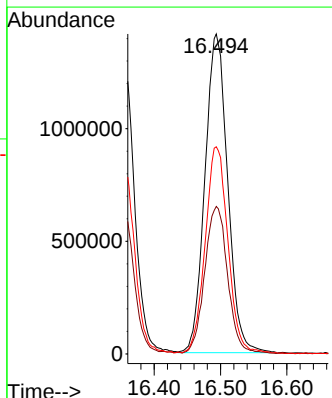
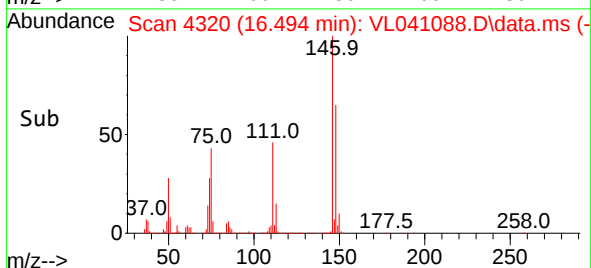
Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

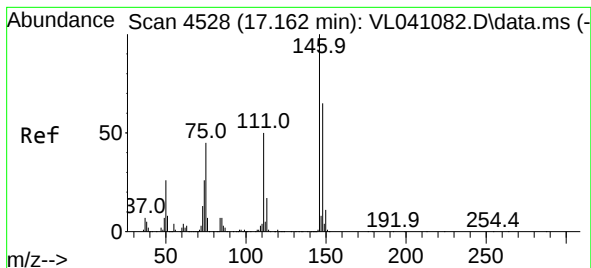


#76
1,4-Dichlorobenzene
Concen: 14.708 ppbv
RT: 16.494 min Scan# 4320
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55



Tgt Ion:146 Resp: 3371309
Ion Ratio Lower Upper
146 100
111 46.8 23.9 71.7
148 65.4 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 14.592 ppbv

RT: 17.162 min Scan# 4528

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 328354

Ion Ratio Lower Upper

146 100

111 50.0 25.2 75.6

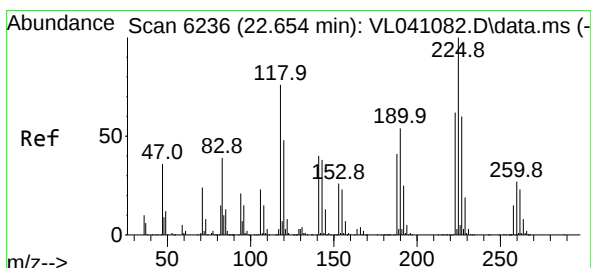
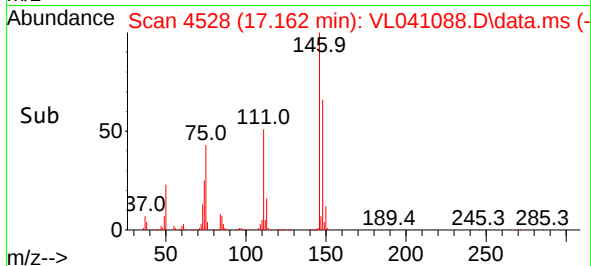
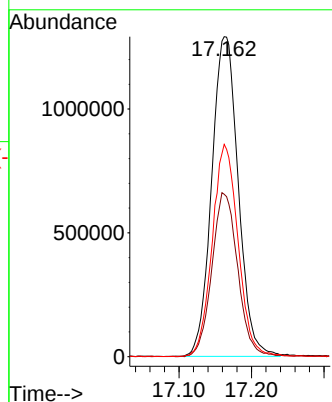
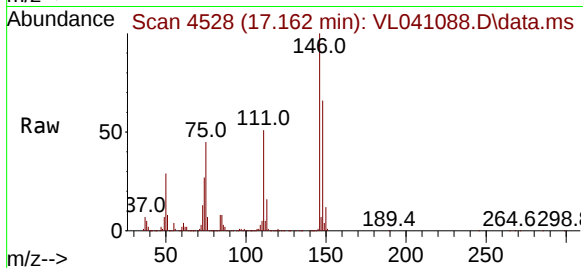
148 64.6 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#78

Hexachloro-1,3-Butadiene

Concen: 12.571 ppbv

RT: 22.657 min Scan# 6237

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

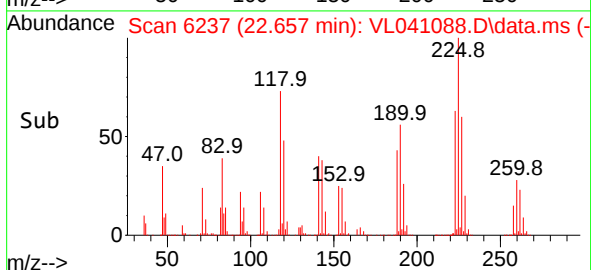
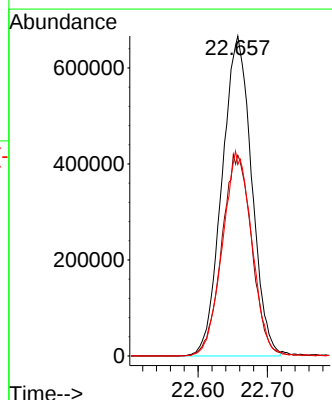
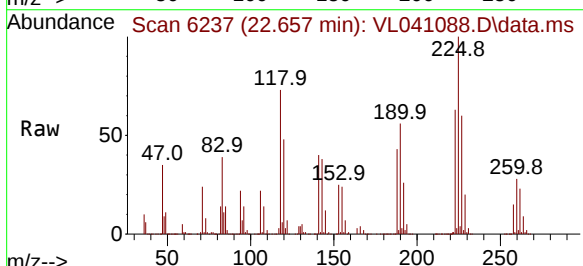
Tgt Ion:225 Resp: 1978518

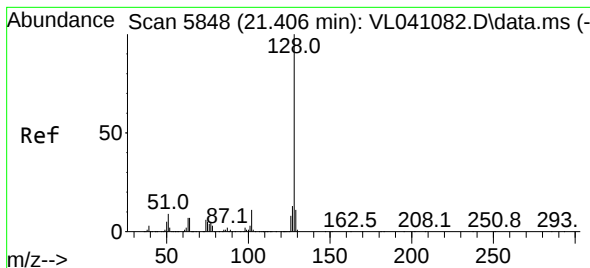
Ion Ratio Lower Upper

225 100

223 64.1 51.1 76.7

227 63.8 51.1 76.7





#79

Naphthalene

Concen: 18.684 ppbv

RT: 21.407 min Scan# 5848

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:128 Resp: 438943

Ion Ratio Lower Upper

128 100

127 13.8 10.6 15.8

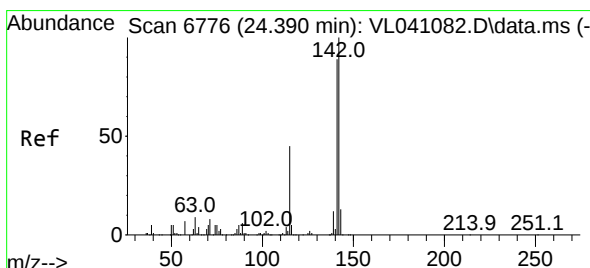
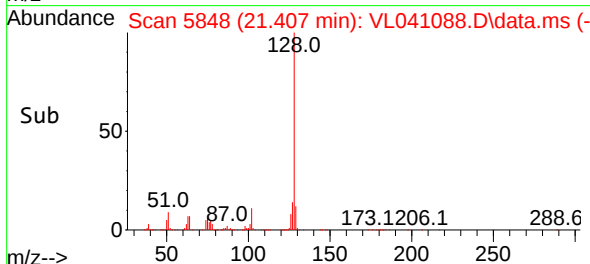
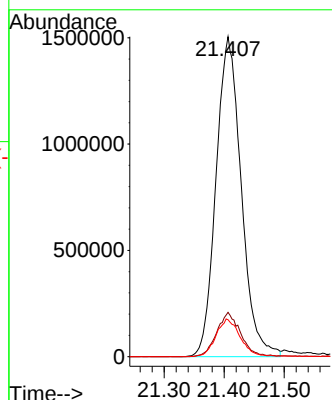
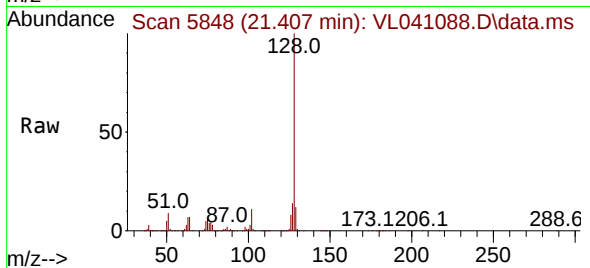
129 11.5 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024

Supervised By :Mahesh Dadoda 03/12/2024



#80

Naphthalene,2-methyl-

Concen: 24.046 ppbv

RT: 24.397 min Scan# 6778

Delta R.T. 0.007 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

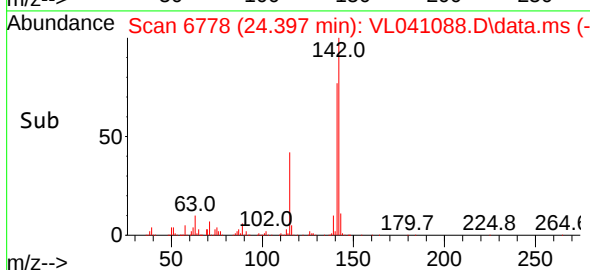
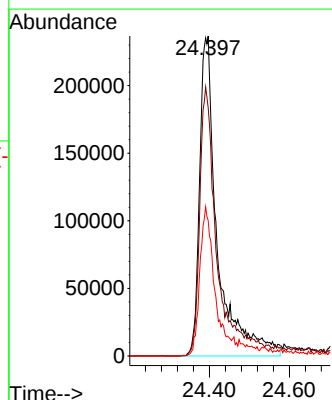
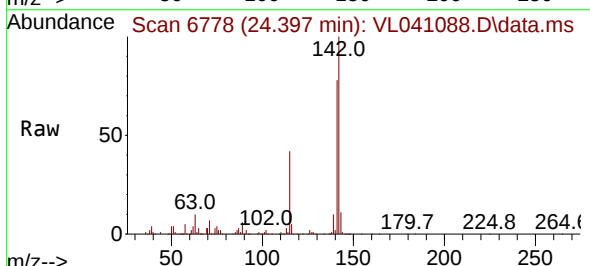
Tgt Ion:142 Resp: 737644

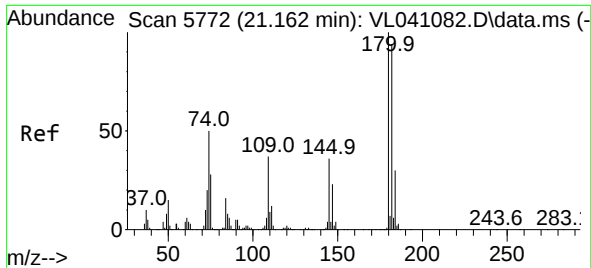
Ion Ratio Lower Upper

142 100

141 84.6 61.3 91.9

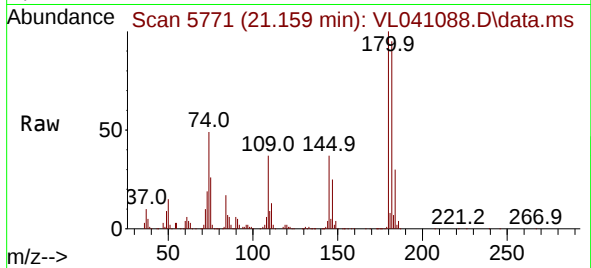
115 44.1 35.4 53.2





#81
 1,2,4-Trichlorobenzene
 Concen: 15.930 ppbv
 RT: 21.159 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 213902
 Ion Ratio Lower Upper
 180 100
 182 98.4 78.7 118.1
 184 30.9 25.3 37.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

