

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041593.D
 Acq On : 16 Sep 2024 13:56
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 02:38:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 02:32:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.166	49	1182080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	3244465	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3052584	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 2207152 9.461 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	309050	1.540	ppbv	97
3) Chlorodifluoromethane	2.652	51	294373	2.080	ppbv	98
4) Chloromethane	2.793	50	160883	2.116	ppbv	95
5) Vinyl Chloride	2.899	62	147802	1.996	ppbv	95
6) Bromomethane	3.095	94	70434	1.882	ppbv	99
7) Chloroethane	3.173	64	51705	2.010	ppbv	98
8) Dichlorotetrafluoroethane	2.835	85	360778	1.991	ppbv	97
9) Propene	2.671	41	127237	1.952	ppbv	92
10) Heptane	7.555	43	297624	2.026	ppbv	98
11) Trichlorofluoromethane	3.539	101	362790	1.997	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.044	101	272276	2.078	ppbv	99
13) Ethanol	3.234	45	10961m	2.010	ppbv	
14) Bromoethene	3.340	108	101050	1.983	ppbv	92
15) Acetone	3.449	43	293207	2.171	ppbv	99
16) 1,3-Butadiene	2.964	39	147142	2.035	ppbv	97
17) tert-Butyl alcohol	3.857	59	277171	2.247	ppbv	99
18) 1,1-Dichloroethene	3.857	96	113969	2.031	ppbv	90
19) Isopropyl Alcohol	3.558	45	159227	2.041	ppbv #	97
20) Methylene Chloride	3.909	84	107110	2.122	ppbv	92
21) Allyl Chloride	3.973	41	180432	2.044	ppbv	99
22) trans-1,2-Dichloroethene	4.420	96	115268	2.062	ppbv	92
23) Vinyl Acetate	4.607	43	168539	1.720	ppbv #	97
24) 1,1-Dichloroethane	4.539	63	249059	2.042	ppbv	99
25) Ethyl Acetate	5.185	43	569204	2.102	ppbv	99
26) Hexane	5.185	57	230270	2.063	ppbv	95
27) Carbon Disulfide	4.102	76	237668	1.840	ppbv	98
28) Methyl tert-Butyl Ether	4.565	73	142865	2.045	ppbv	99
29) Chloroform	5.250	83	364849	2.010	ppbv	91
30) Cyclohexane	6.574	84	184390	2.035	ppbv	95
31) cis-1,2-Dichloroethene	5.054	61	224037	2.044	ppbv	93
32) 1,1,1-Trichloroethane	5.980	97	349584	1.982	ppbv	98
34) 2-Butanone	4.764	43	324173	2.063	ppbv	98
35) Carbon Tetrachloride	6.468	117	360310	2.016	ppbv	99
36) Benzene	6.346	78	483918	2.036	ppbv	98
37) 1,2-Dichloroethane	5.780	62	268163	2.015	ppbv	98
38) Trichloroethene	7.266	130	255796	2.298	ppbv	94
39) 1,2-Dichloropropane	7.050	63	192586	2.108	ppbv	97
40) 1,4-Dioxane	7.272	88	74476	2.046	ppbv #	97
41) Tetrahydrofuran	5.542	42	176742	1.953	ppbv	95
42) Bromodichloromethane	7.224	83	371085	1.939	ppbv	95
43) Methyl Methacrylate	7.452	69	169666	1.999	ppbv	99
44) 2,2,4-Trimethylpentane	7.301	57	846282	2.122	ppbv	99
45) t-1,3-Dichloropropene	8.687	75	125807m	1.664	ppbv	

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Instrument :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

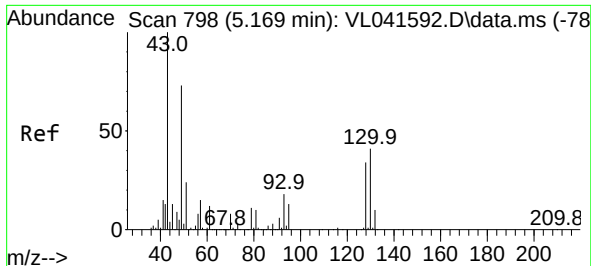
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 02:32:57 2024

Response via : Initial Calibration

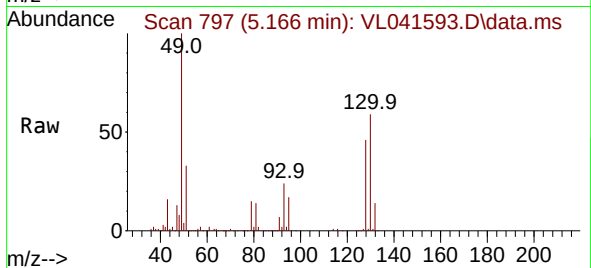
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	198614	1.787	ppbv	98
47) 1,1,2-Trichloroethane	8.870	97	202286	2.016	ppbv	95
48) Dibromochloromethane	9.684	129	299312	1.866	ppbv	98
49) Bromoform	12.384	173	259933	1.922	ppbv	98
50) 4-Methyl-2-Pentanone	8.163	43	521882	2.099	ppbv	100
51) 2-Hexanone	9.536	43	391600	2.097	ppbv #	99
52) Tetrachloroethene	10.594	164	179606	1.964	ppbv	97
53) Toluene	9.198	91	523040	1.978	ppbv	99
54) 1,2-Dibromoethane	9.986	107	260693	1.975	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.484	131	247944	2.087	ppbv #	1
57) Chlorobenzene	11.503	112	451222	2.065	ppbv	96
58) Ethyl Benzene	12.066	91	719793	2.038	ppbv	96
59) m/p-Xylene	12.346	91	1294945m	4.249	ppbv	
60) o-Xylene	13.034	91	620587	2.146	ppbv	100
61) Styrene	12.880	104	252259	1.942	ppbv	98
62) Isopropylbenzene	14.005	105	929045	2.119	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.024	83	311063	1.762	ppbv	98
64) n-propylbenzene	14.892	120	244643	2.137	ppbv	93
65) tert-Butylbenzene	16.069	119	874824	2.210	ppbv	99
66) Benzyl Chloride	16.310	91	39929m	1.678	ppbv	
67) sec-Butylbenzene	16.613	105	1221574	2.234	ppbv	99
69) p-Isopropyltoluene	16.973	119	1023815	2.261	ppbv	99
70) n-Butylbenzene	17.863	91	1057176	2.276	ppbv	99
71) 2-Chlorotoluene	14.777	91	684496	2.118	ppbv	99
72) 4-Ethyltoluene	15.172	105	730570	2.153	ppbv	99
73) 1,3,5-Trimethylbenzene	15.330	105	643556	2.202	ppbv	96
74) 1,2,4-Trimethylbenzene	16.082	105	773729	2.275	ppbv	97
75) 1,3-Dichlorobenzene	16.307	146	467558	2.190	ppbv	99
76) 1,4-Dichlorobenzene	16.449	146	447493	2.167	ppbv	98
77) 1,2-Dichlorobenzene	17.121	146	460299	2.177	ppbv	99
78) Hexachloro-1,3-Butadiene	22.606	225	387729	2.159	ppbv	100
79) Naphthalene	21.362	128	675872	2.297	ppbv	97
80) Naphthalene,2-methyl-	24.358	142	374380	1.587	ppbv	99
81) 1,2,4-Trichlorobenzene	21.114	180	370420	2.113	ppbv	99

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 798
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

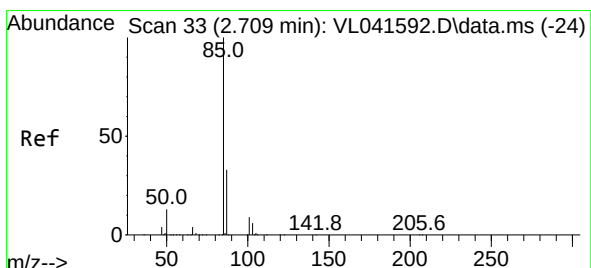
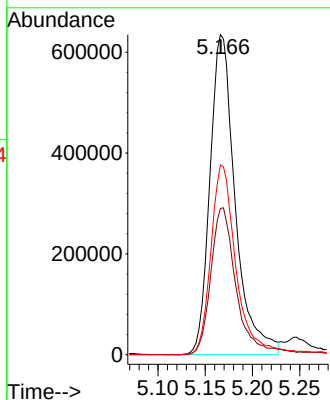
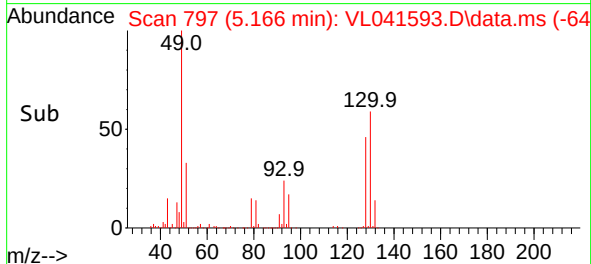
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 49 Resp: 1182080
Ion Ratio Lower Upper
49 100
128 47.1 23.8 71.5
130 60.2 30.4 91.3

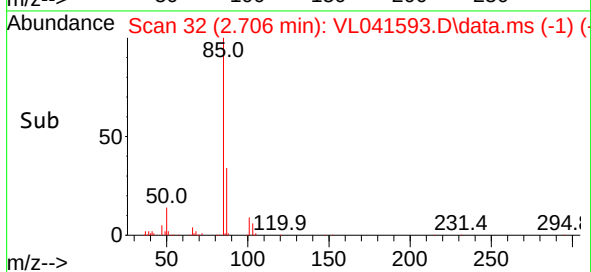
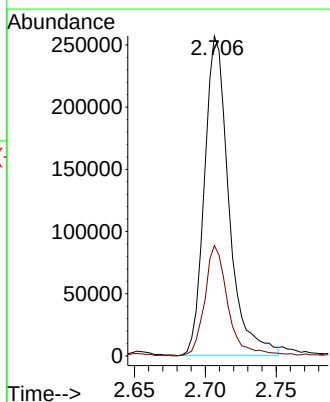
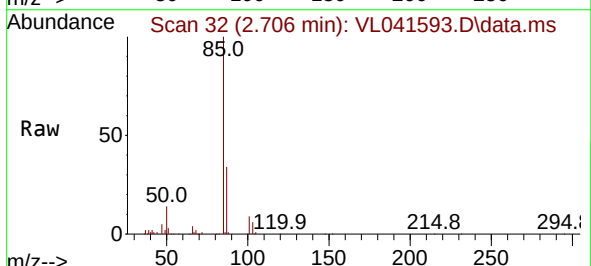
Manual Integrations
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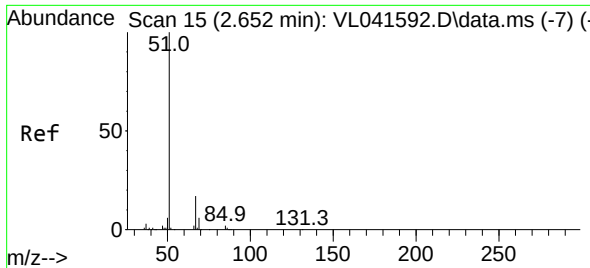
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#2
Dichlorodifluoromethane
Concen: 1.540 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 85 Resp: 309050
Ion Ratio Lower Upper
85 100
87 34.5 26.3 39.5





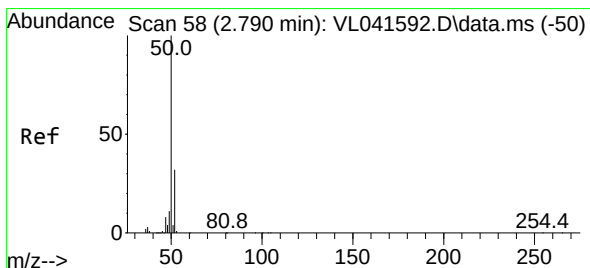
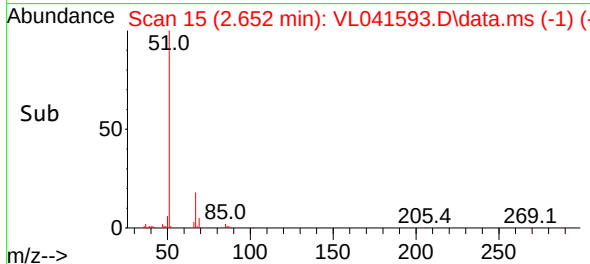
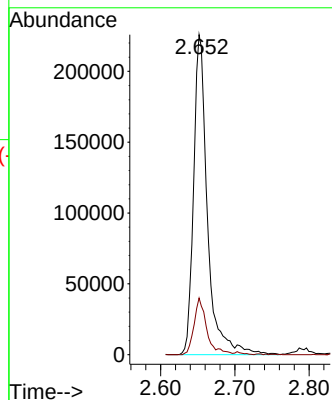
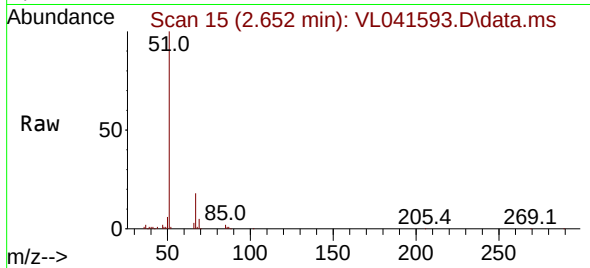
#3
Chlorodifluoromethane
Concen: 2.080 ppbv
RT: 2.652 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 29437
Ion Ratio Lower Upper
51 100
67 16.8 14.1 21.1

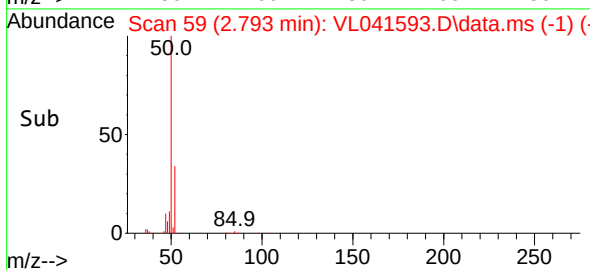
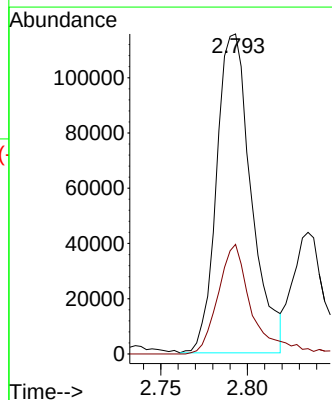
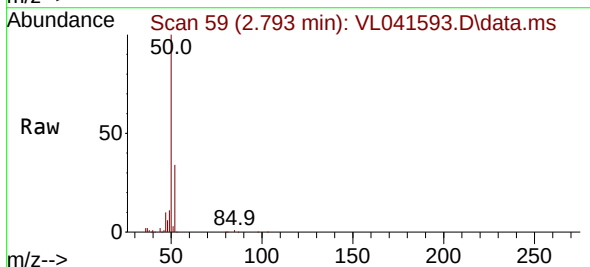
Manual Integrations
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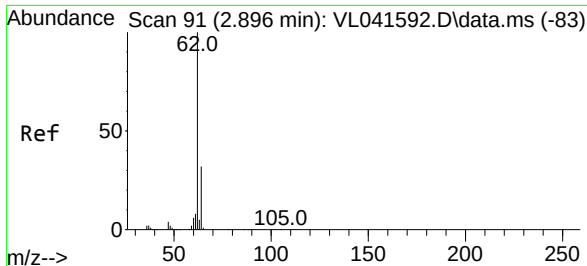
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#4
Chloromethane
Concen: 2.116 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 50 Resp: 160883
Ion Ratio Lower Upper
50 100
52 34.4 25.4 38.2





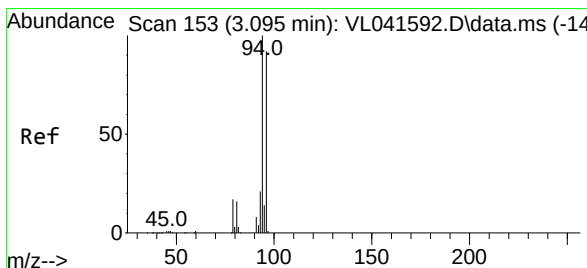
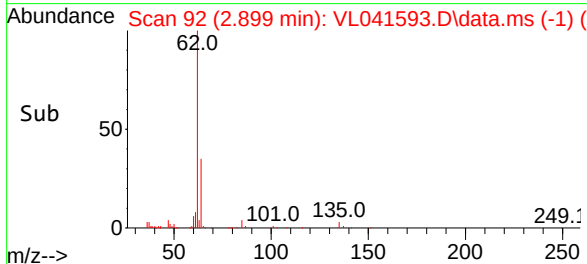
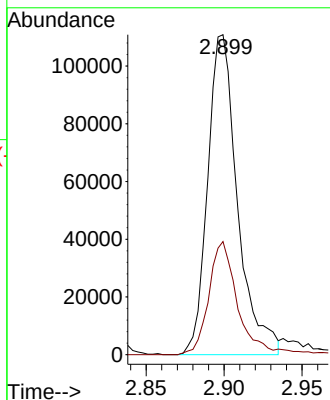
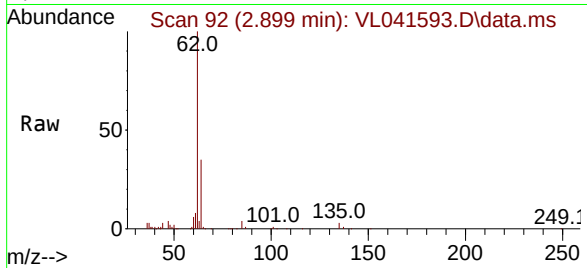
#5
 Vinyl Chloride
 Concen: 1.996 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 62 Resp: 14780
 Ion Ratio Lower Upper
 62 100
 64 35.4 26.0 39.0

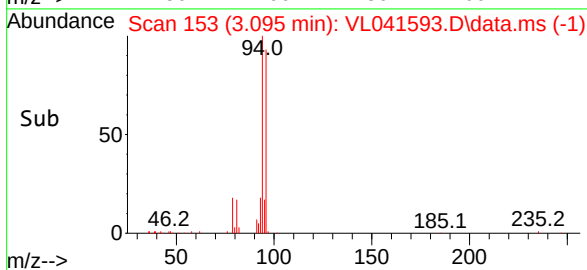
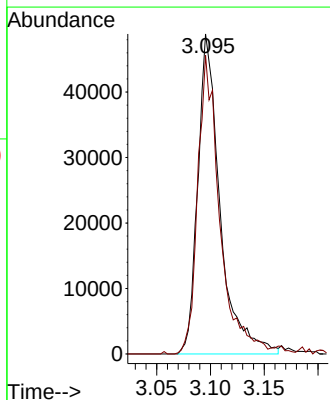
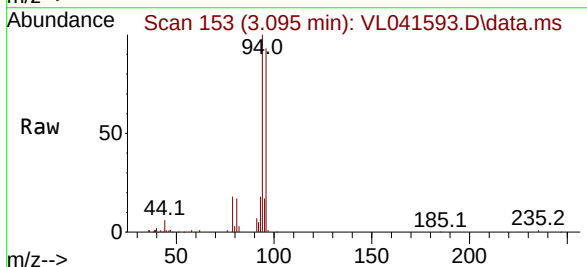
Manual Integrations
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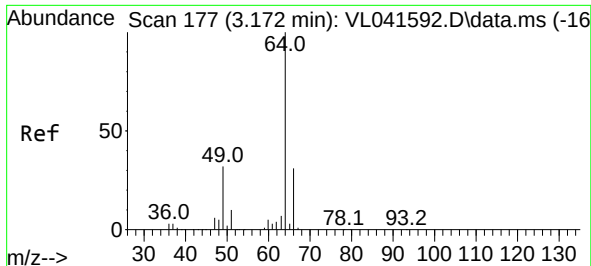
Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024



#6
 Bromomethane
 Concen: 1.882 ppbv
 RT: 3.095 min Scan# 153
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Tgt Ion: 94 Resp: 70434
 Ion Ratio Lower Upper
 94 100
 96 93.1 73.4 110.2





#7
Chloroethane
Concen: 2.010 ppbv
RT: 3.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

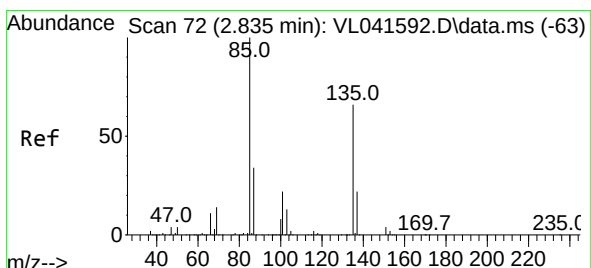
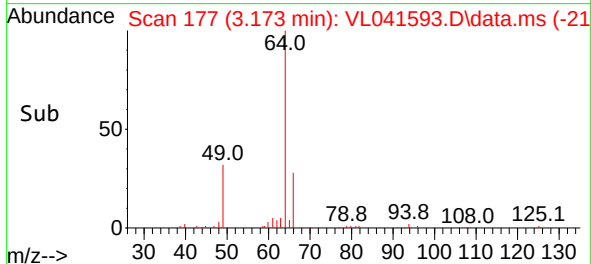
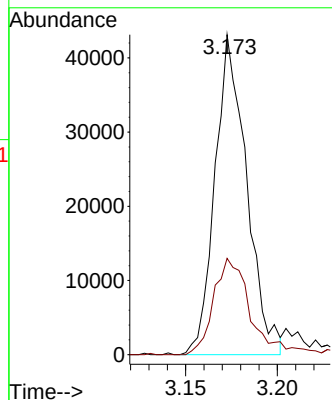
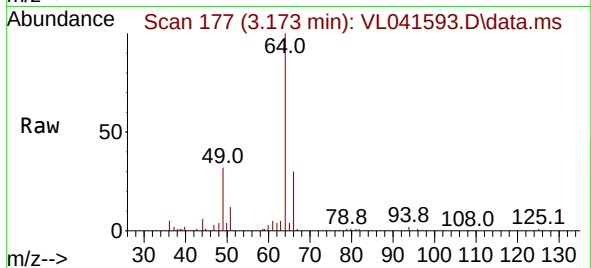
VSTDICC002

Tgt Ion: 64 Resp: 5170
Ion Ratio Lower Upper
64 100
66 30.1 25.1 37.7

Manual Integrations

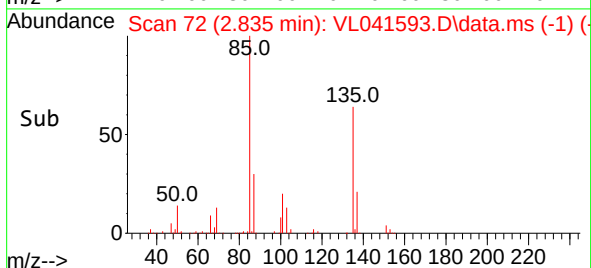
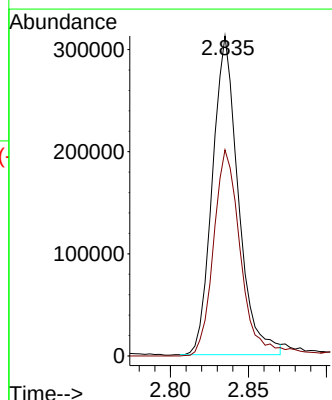
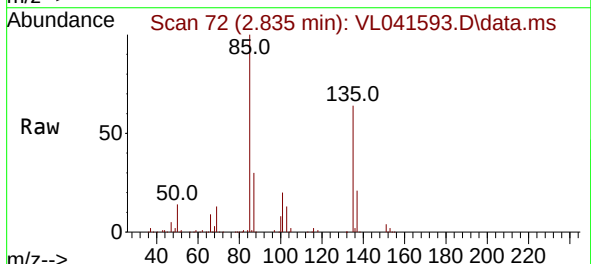
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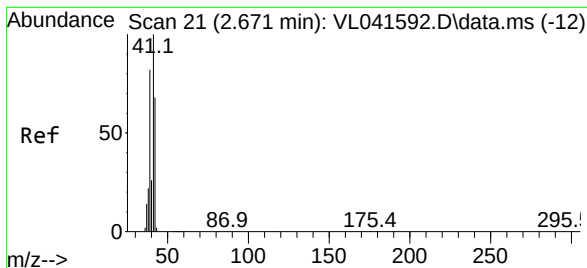
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#8
Dichlorotetrafluoroethane
Concen: 1.991 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 85 Resp: 360778
Ion Ratio Lower Upper
85 100
135 70.1 53.9 80.9





#9

Propene

Concen: 1.952 ppbv

RT: 2.671 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 12723

Ion Ratio Lower Upper

41 100

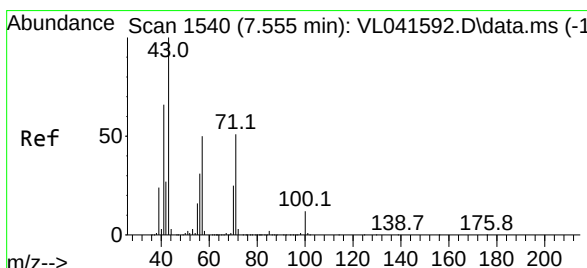
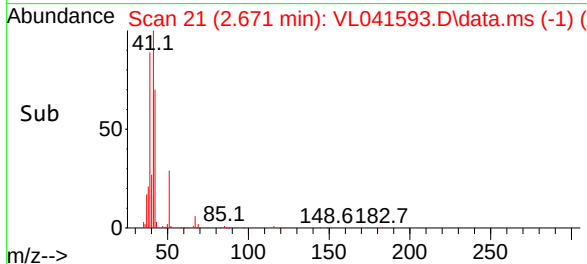
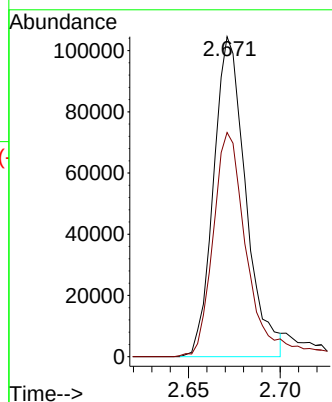
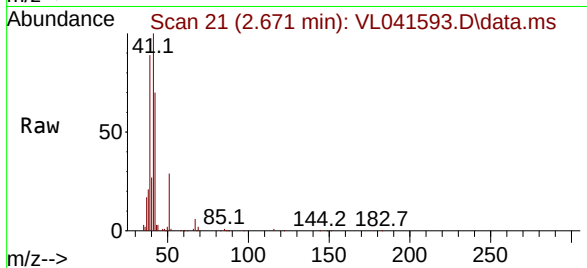
42 75.8 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#10

Heptane

Concen: 2.026 ppbv

RT: 7.555 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VL041593.D

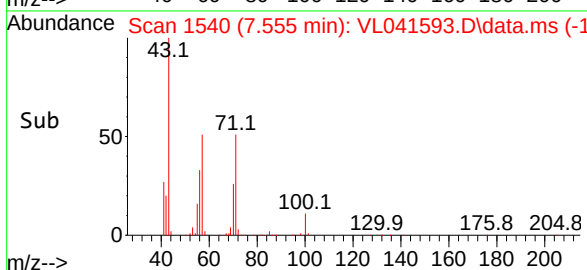
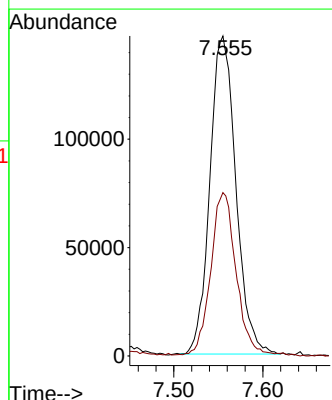
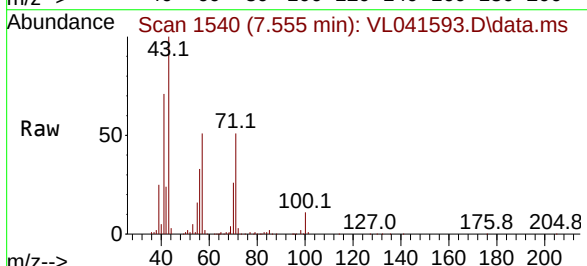
Acq: 16 Sep 2024 13:56

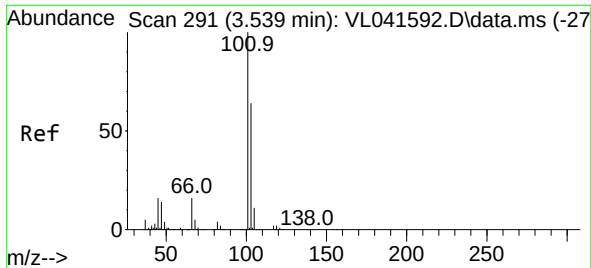
Tgt Ion: 43 Resp: 297624

Ion Ratio Lower Upper

43 100

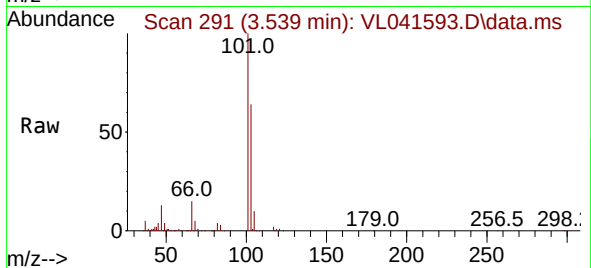
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#11
 Trichlorofluoromethane
 Concen: 1.997 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

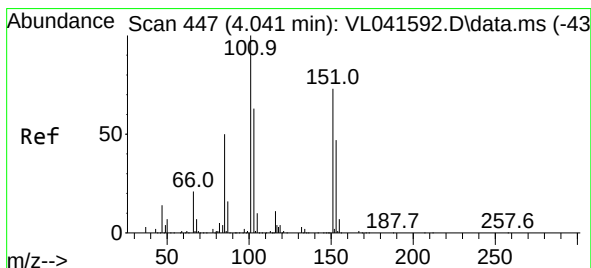
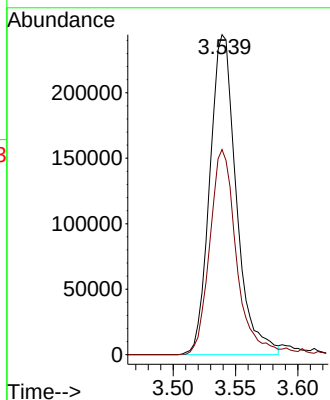
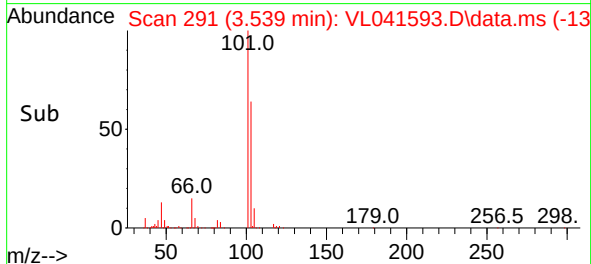
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



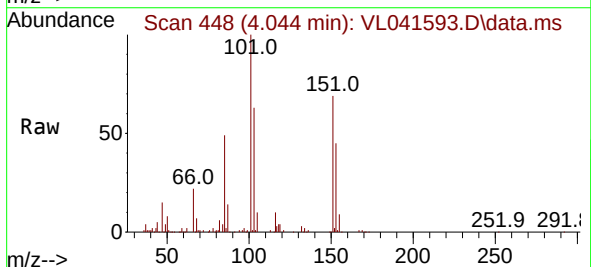
Tgt Ion:101 Resp: 362790
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.2 76.8

Manual Integrations
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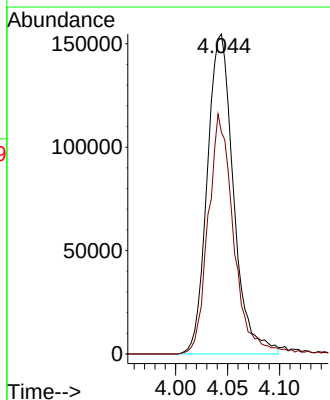
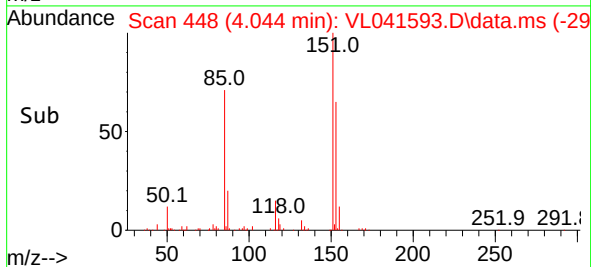
Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

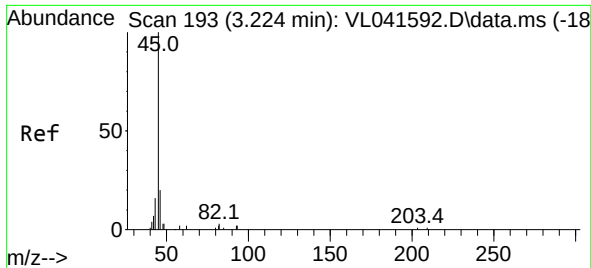


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.078 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. 0.003 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56



Tgt Ion:101 Resp: 272276
 Ion Ratio Lower Upper
 101 100
 151 73.1 59.4 89.2





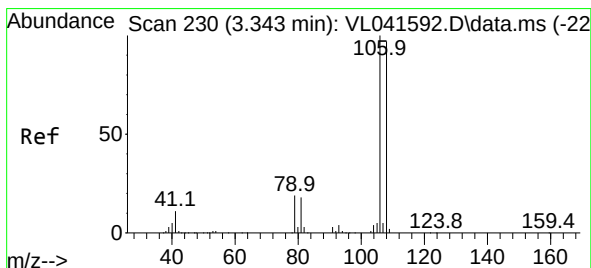
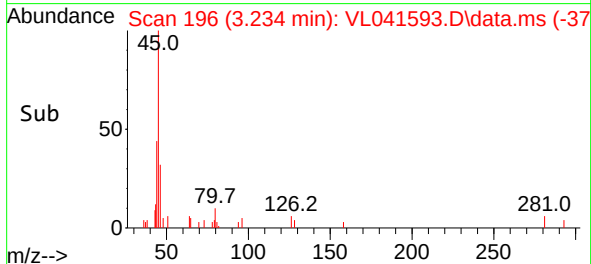
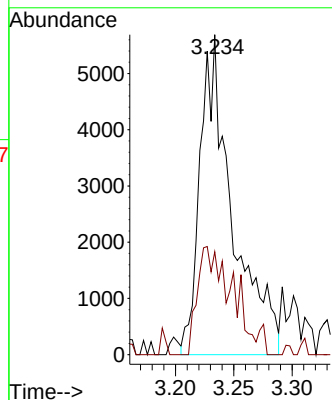
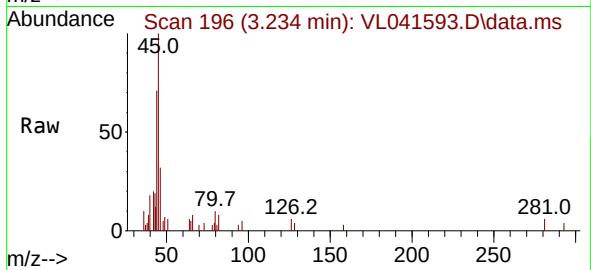
#13
Ethanol
Concen: 2.010 ppbv m
RT: 3.234 min Scan# 193
Delta R.T. 0.010 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 1096
Ion Ratio Lower Upper
45 100
46 37.2 15.2 60.8

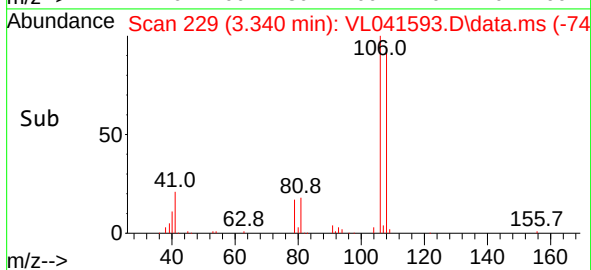
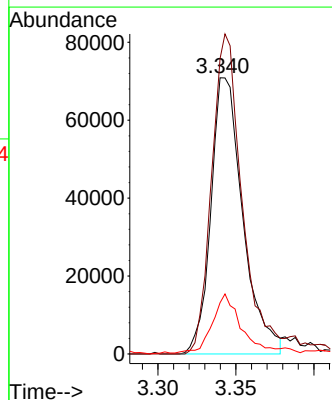
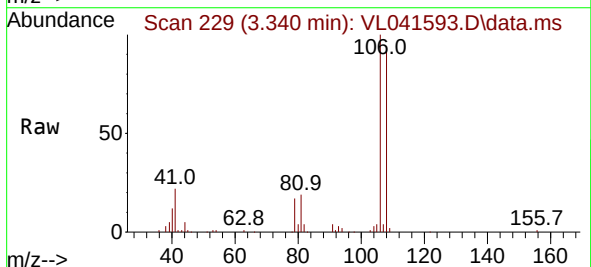
Manual Integrations
APPROVED

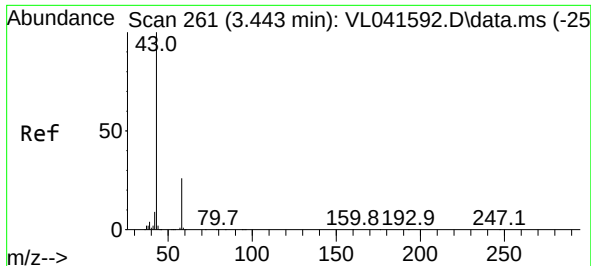
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#14
Bromoethene
Concen: 1.983 ppbv
RT: 3.340 min Scan# 229
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion:108 Resp: 101050
Ion Ratio Lower Upper
108 100
106 117.4 86.5 129.7
79 22.3 16.2 24.4





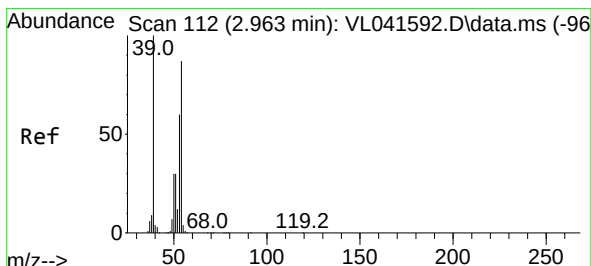
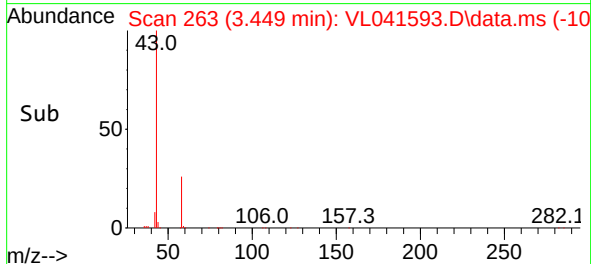
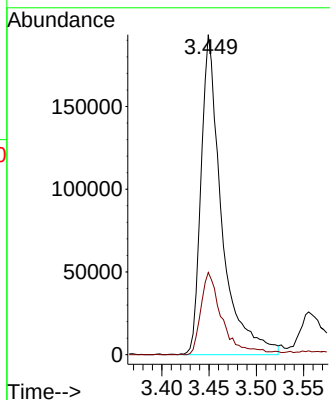
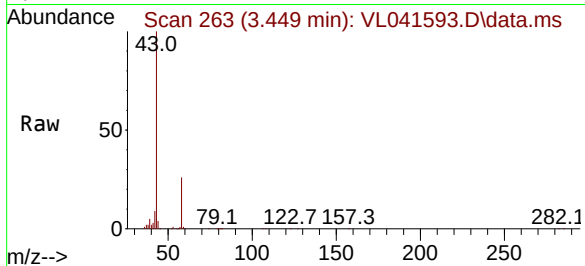
#15
Acetone
Concen: 2.171 ppbv
RT: 3.449 min Scan# 261
Delta R.T. 0.007 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 29320
Ion Ratio Lower Upper
43 100
58 27.3 21.5 32.3

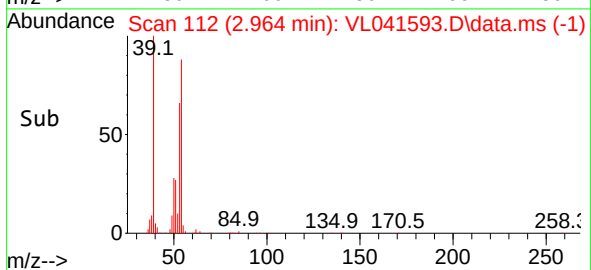
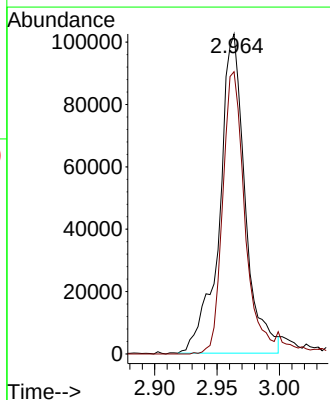
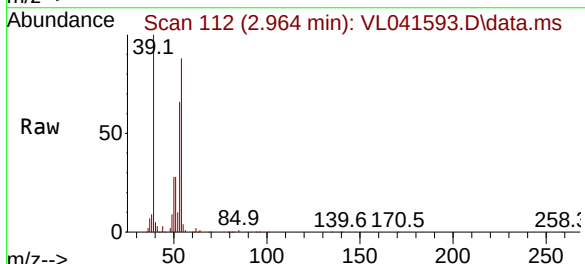
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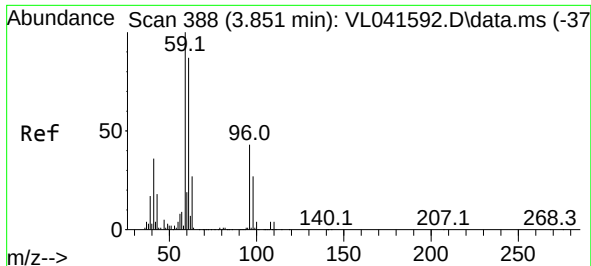
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#16
1,3-Butadiene
Concen: 2.035 ppbv
RT: 2.964 min Scan# 112
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 39 Resp: 147142
Ion Ratio Lower Upper
39 100
54 81.4 62.9 94.3





#17

tert-Butyl alcohol

Concen: 2.247 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.007 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 59 Resp: 27717

Ion Ratio Lower Upper

59 100

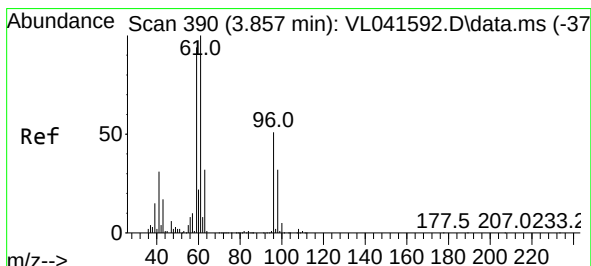
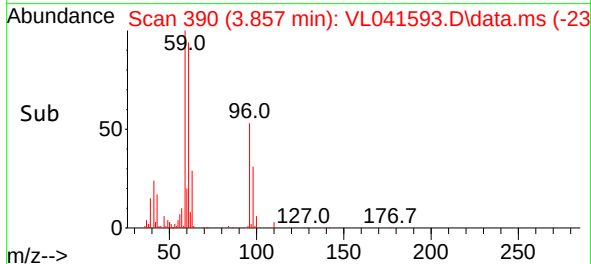
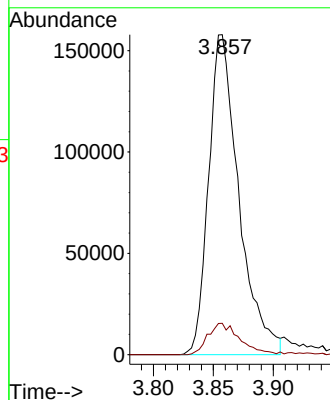
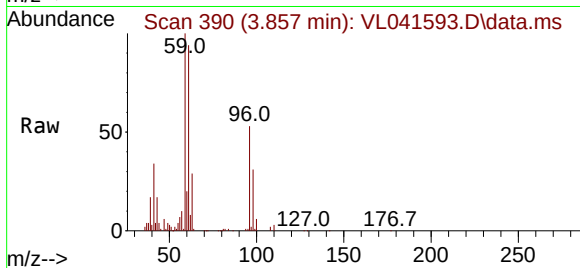
57 10.7 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#18

1,1-Dichloroethene

Concen: 2.031 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

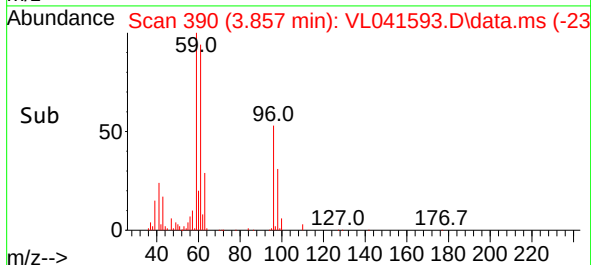
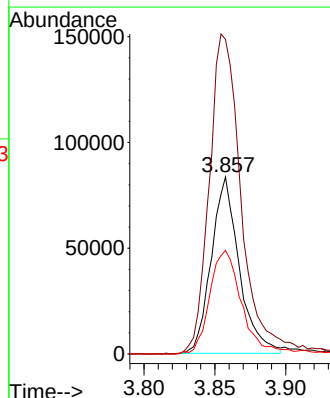
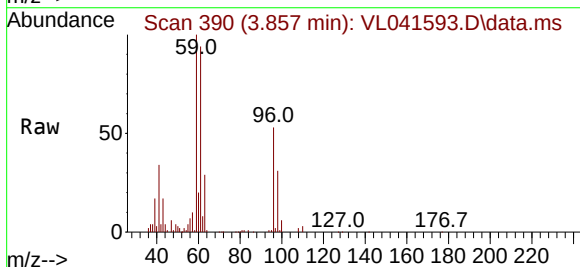
Tgt Ion: 96 Resp: 113969

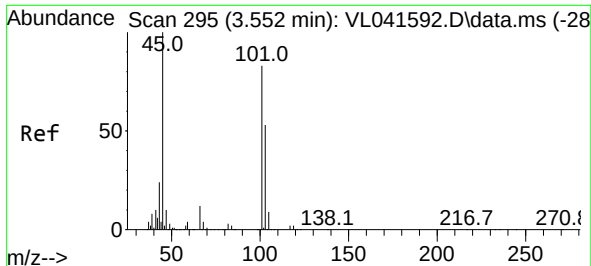
Ion Ratio Lower Upper

96 100

61 178.3 155.6 233.4

98 58.2 50.6 75.8





#19

Isopropyl Alcohol

Concen: 2.041 ppbv

RT: 3.558 min Scan# 295

Delta R.T. 0.007 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 45 Resp: 15922

Ion Ratio Lower Upper

45 100

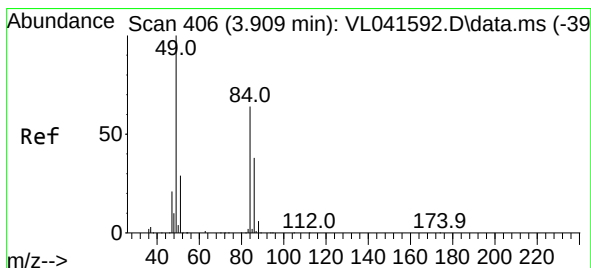
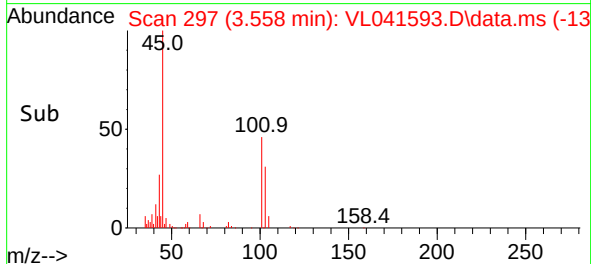
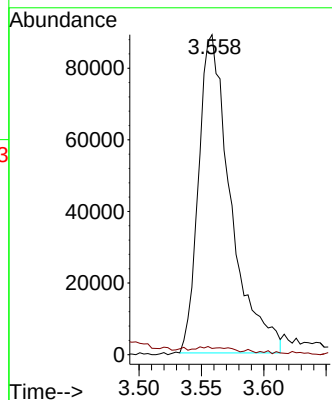
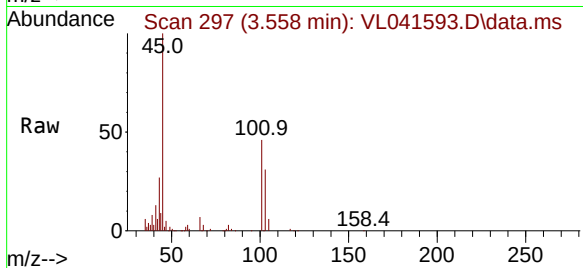
58 3.5 2.1 3.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#20

Methylene Chloride

Concen: 2.122 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Tgt Ion: 84 Resp: 107110

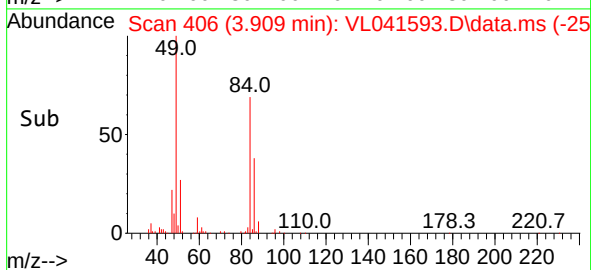
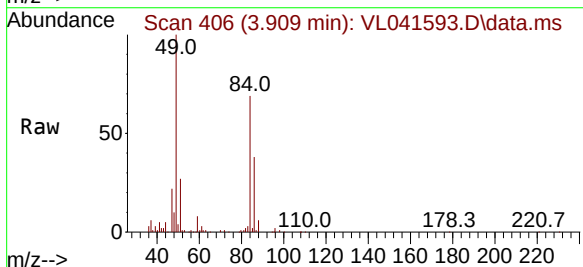
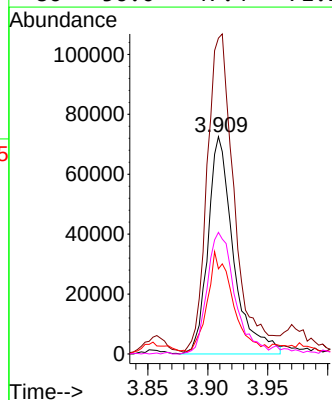
Ion Ratio Lower Upper

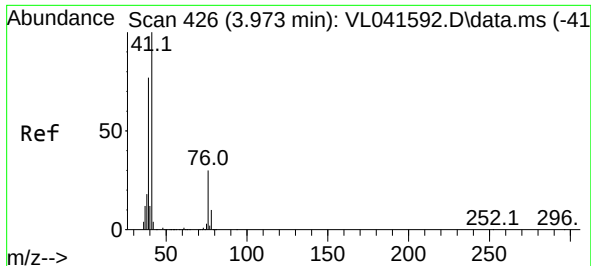
84 100

49 143.9 124.3 186.5

51 37.8 36.3 54.5

86 56.0 47.4 71.2





#21

Allyl Chloride

Concen: 2.044 ppbv

RT: 3.973 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 41 Resp: 18043

Ion Ratio Lower Upper

41 100

76 28.6 23.8 35.6

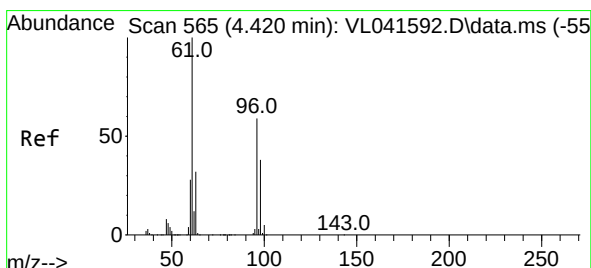
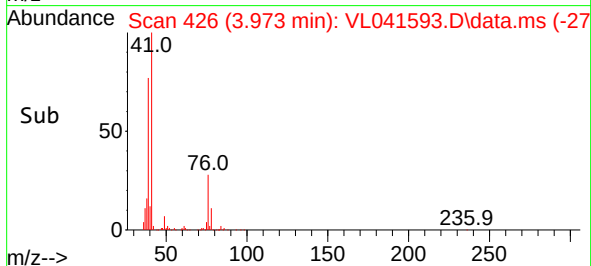
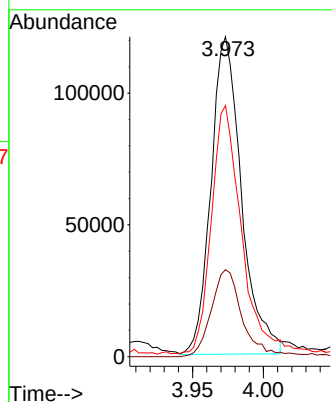
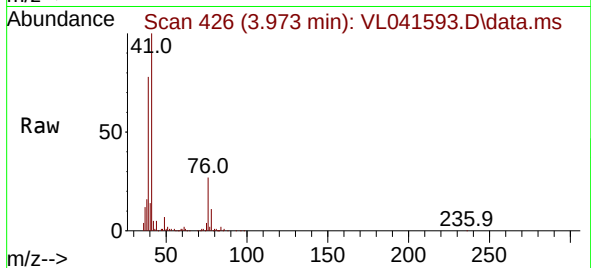
39 80.5 63.9 95.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#22

trans-1,2-Dichloroethene

Concen: 2.062 ppbv

RT: 4.420 min Scan# 565

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

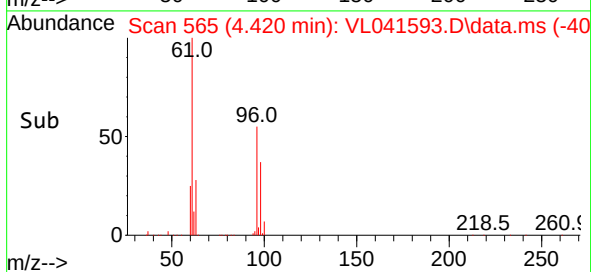
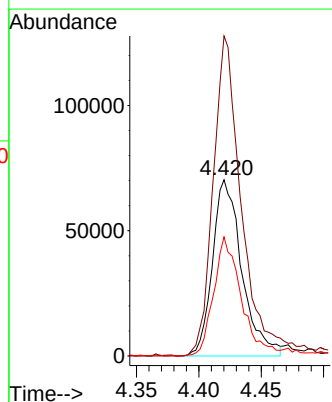
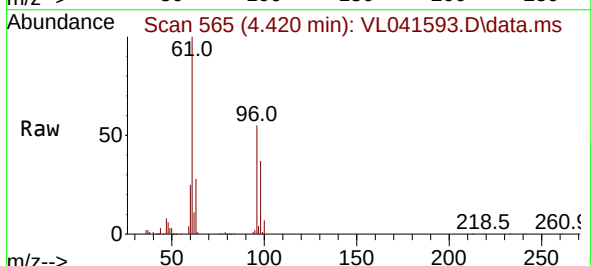
Tgt Ion: 96 Resp: 115268

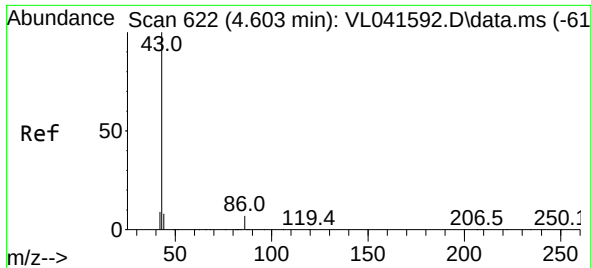
Ion Ratio Lower Upper

96 100

61 181.6 135.7 203.5

98 67.5 50.9 76.3





#23
 Vinyl Acetate
 Concen: 1.720 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

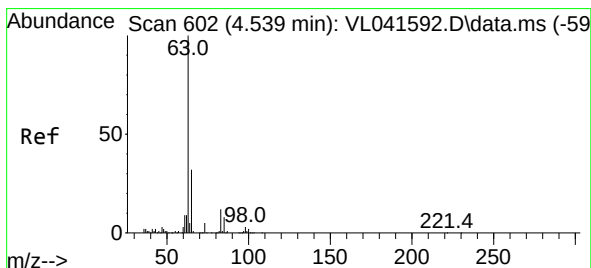
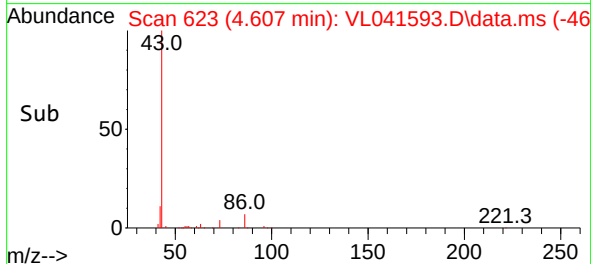
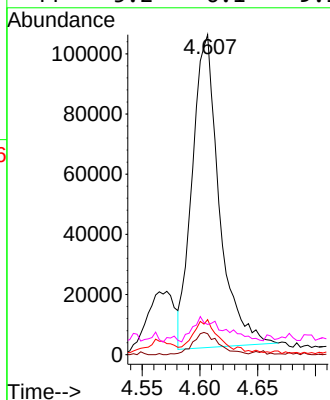
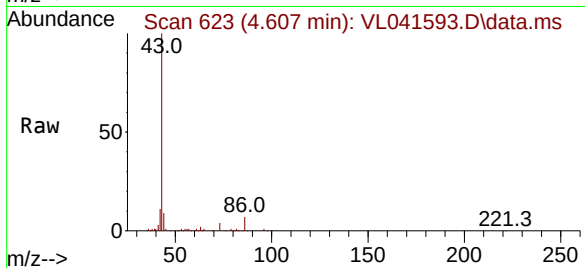
VSTDIC002

Tgt Ion: 43 Resp: 168539
 Ion Ratio Lower Upper
 43 100
 86 6.5 4.9 7.3
 42 10.1 8.0 12.0
 44 5.2 6.1 9.1#

Manual Integrations

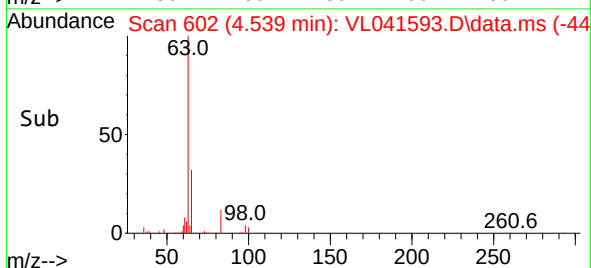
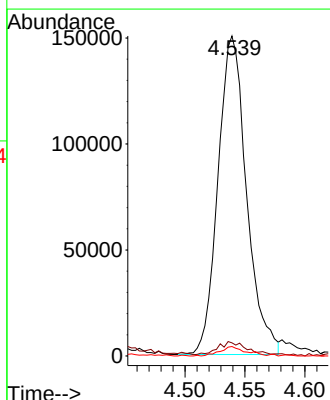
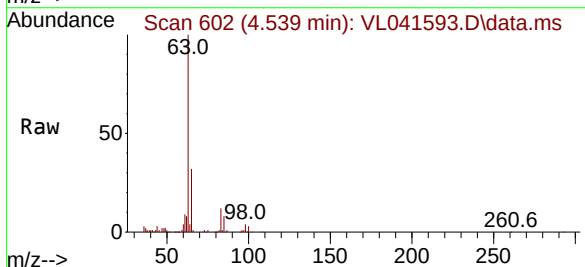
APPROVED

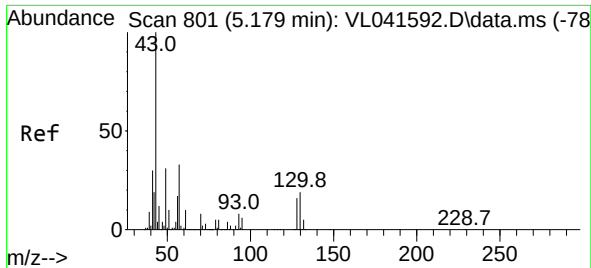
Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024



#24
 1,1-Dichloroethane
 Concen: 2.042 ppbv
 RT: 4.539 min Scan# 602
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Tgt Ion: 63 Resp: 249059
 Ion Ratio Lower Upper
 63 100
 98 3.5 1.7 5.1
 100 3.0 1.1 3.3





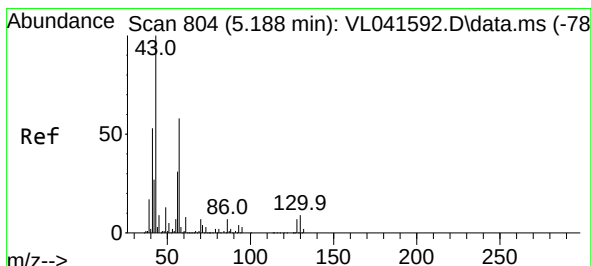
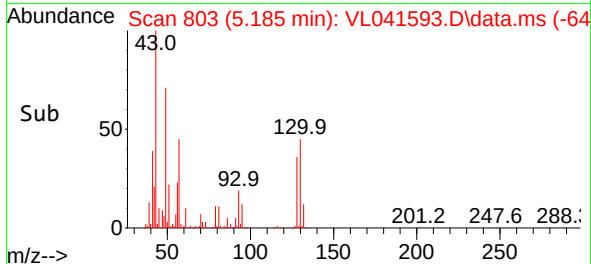
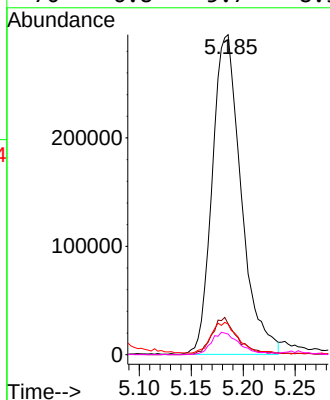
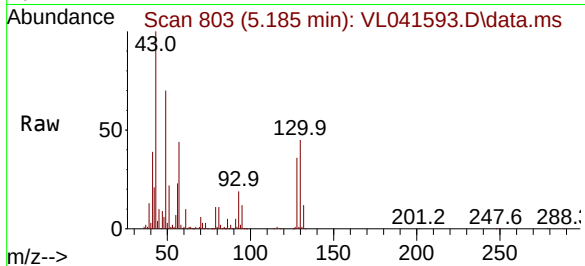
#25
Ethyl Acetate
Concen: 2.102 ppbv
RT: 5.185 min Scan# 803
Delta R.T. 0.007 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43	Resp: 569204
Ion Ratio	Lower Upper
43 100	
45 11.0	8.2 12.2
61 9.9	8.0 12.0
70 6.8	5.7 8.5

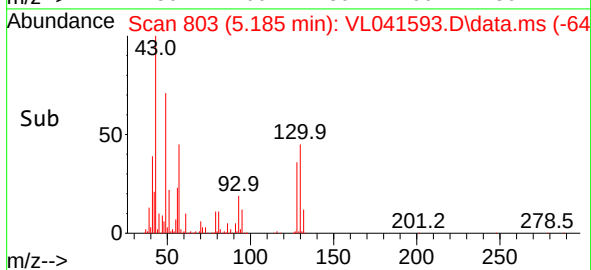
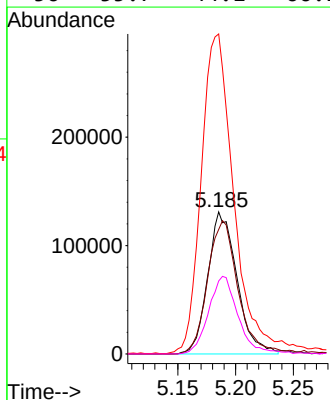
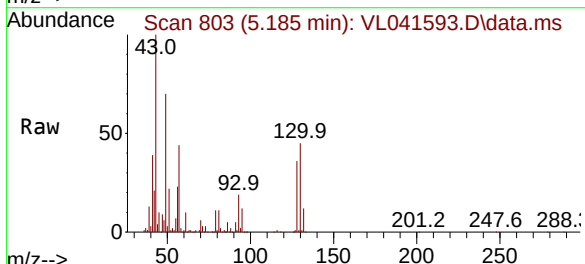
Manual Integrations
APPROVED

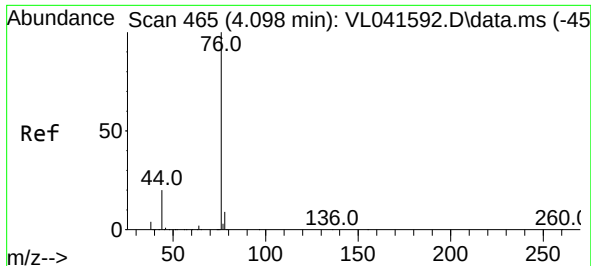
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#26
Hexane
Concen: 2.063 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

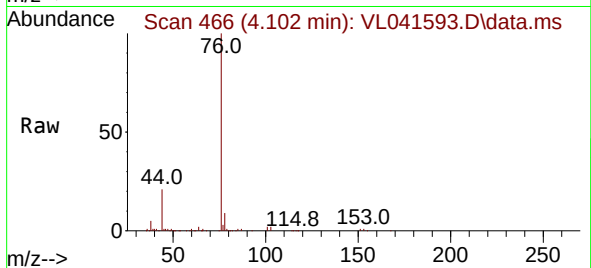
Tgt Ion: 57	Resp: 230270
Ion Ratio	Lower Upper
57 100	
41 100.3	75.7 113.5
43 258.4	198.5 297.7
56 55.7	44.1 66.1





#27
Carbon Disulfide
Concen: 1.840 ppbv
RT: 4.102 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

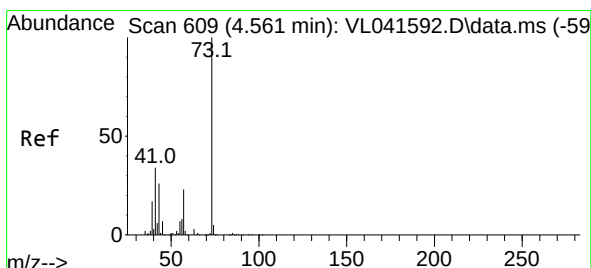
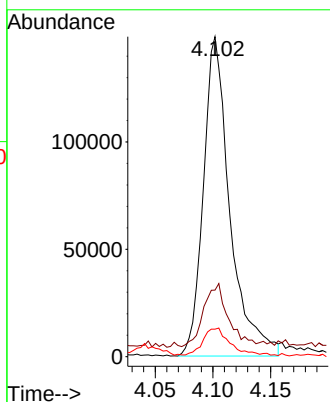
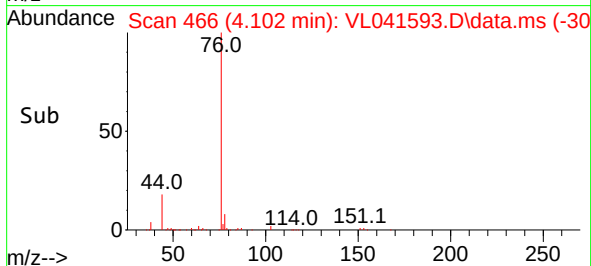
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 76 Resp: 237668
Ion Ratio Lower Upper
76 100
44 20.4 15.8 23.8
78 10.2 7.5 11.3

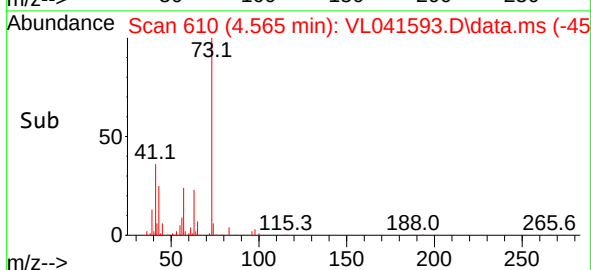
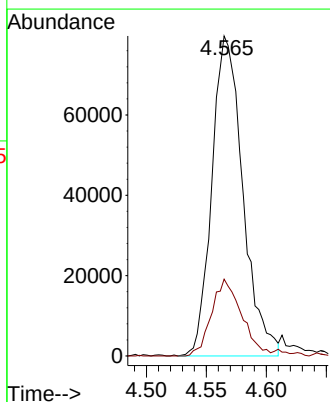
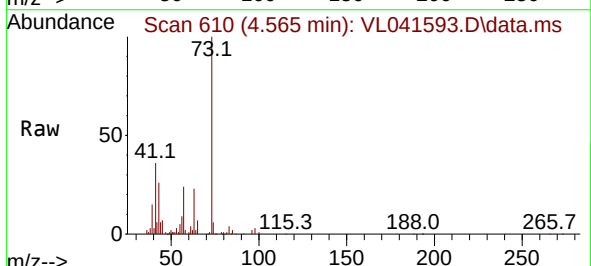
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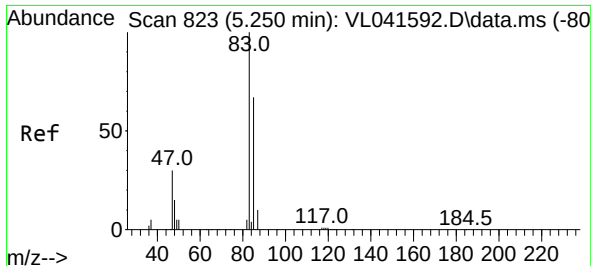
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#28
Methyl tert-Butyl Ether
Concen: 2.045 ppbv
RT: 4.565 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 73 Resp: 142865
Ion Ratio Lower Upper
73 100
57 24.6 19.3 28.9





#29

Chloroform

Concen: 2.010 ppbv

RT: 5.250 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 364849

Ion Ratio Lower Upper

83 100

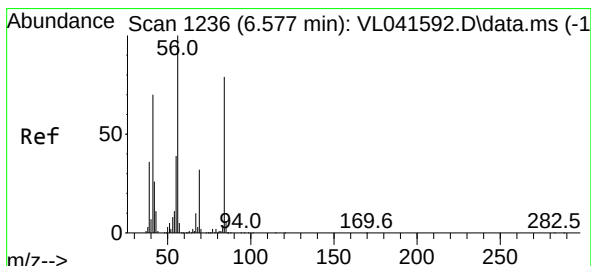
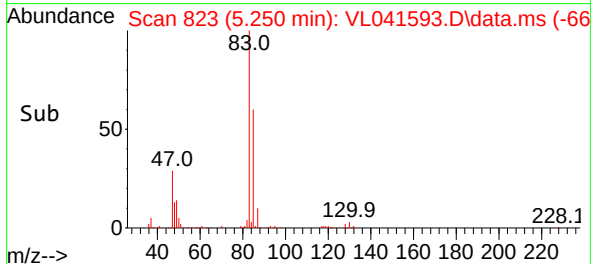
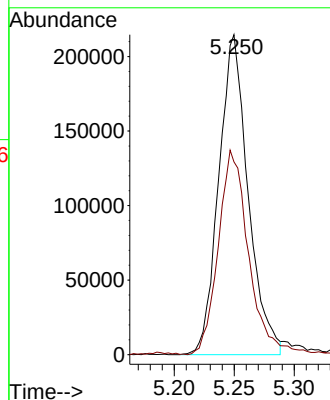
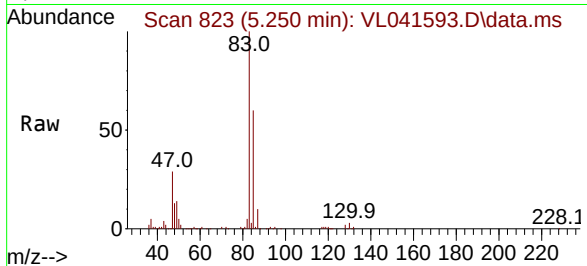
85 60.1 53.8 80.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#30

Cyclohexane

Concen: 2.035 ppbv

RT: 6.574 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

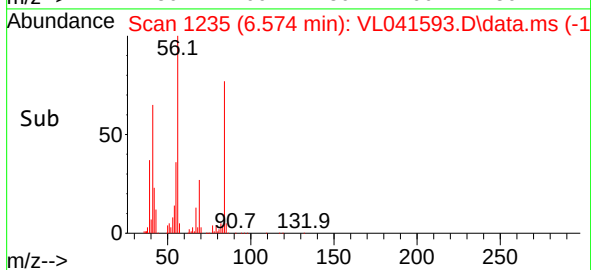
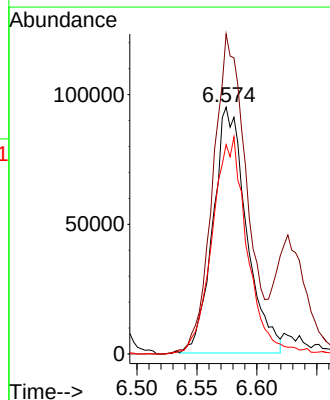
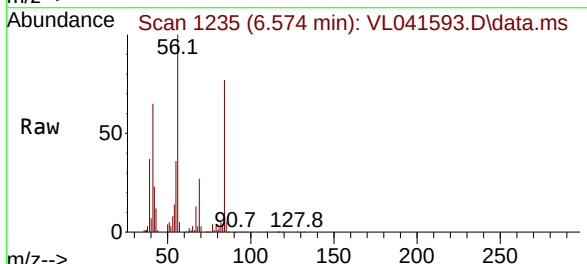
Tgt Ion: 84 Resp: 184390

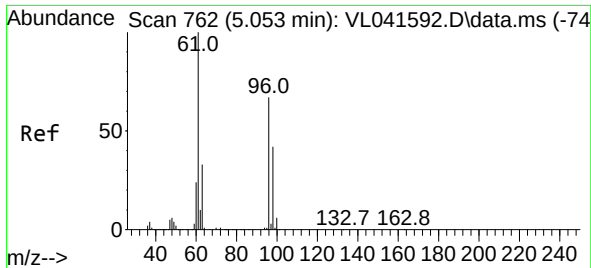
Ion Ratio Lower Upper

84 100

56 133.6 111.5 167.3

41 92.9 70.9 106.3





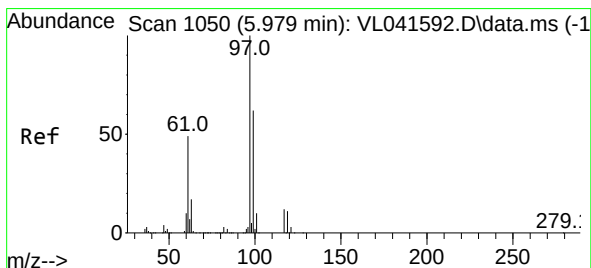
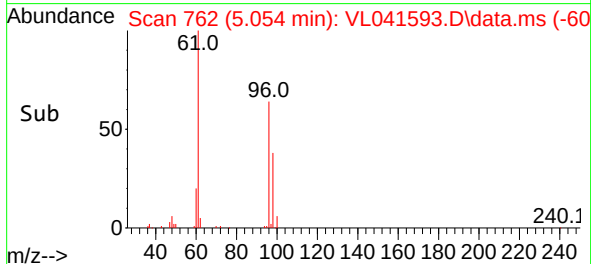
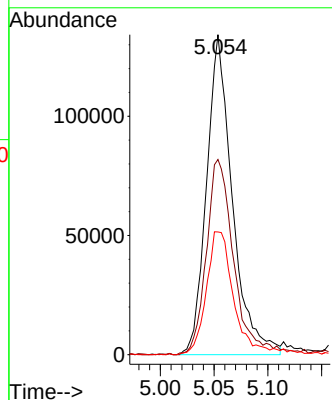
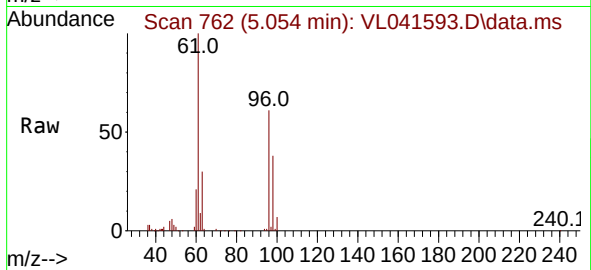
#31
 cis-1,2-Dichloroethene
 Concen: 2.044 ppbv
 RT: 5.054 min Scan# 762
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 61 Resp: 22403
 Ion Ratio Lower Upper
 61 100
 96 60.5 53.5 80.3
 98 38.2 33.7 50.5

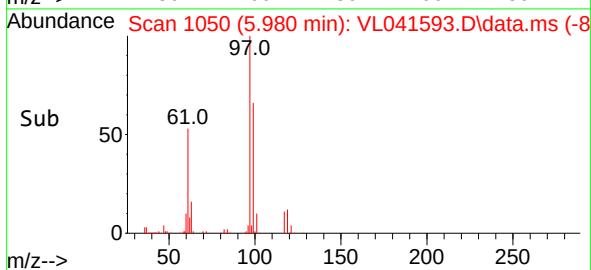
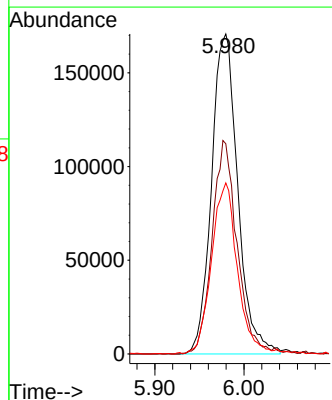
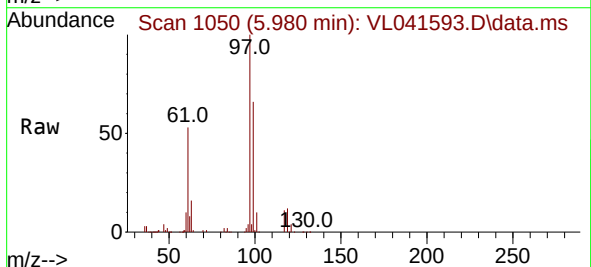
Manual Integrations
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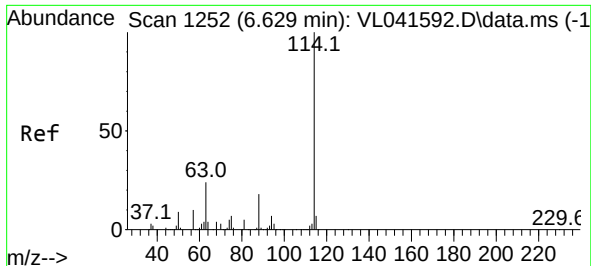
Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024



#32
 1,1,1-Trichloroethane
 Concen: 1.982 ppbv
 RT: 5.980 min Scan# 1050
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

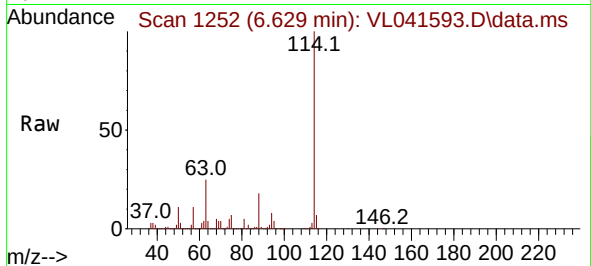
Tgt Ion: 97 Resp: 349584
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.0 76.4
 61 53.5 41.0 61.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

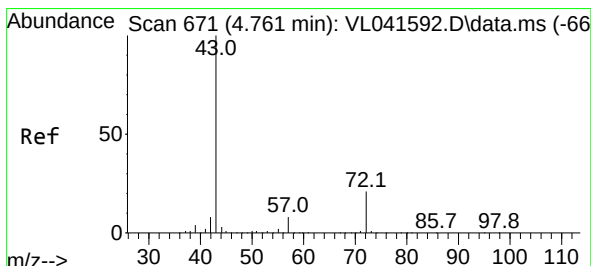
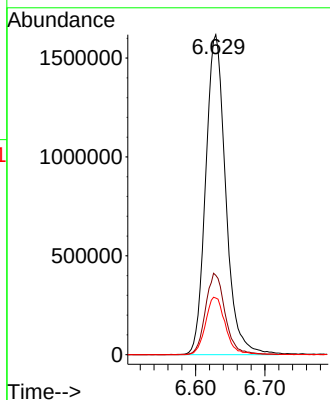
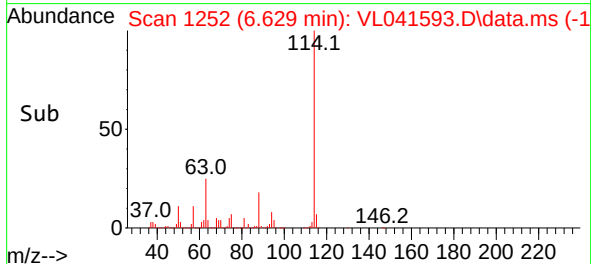
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:114 Resp: 324446
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.2
88 17.9 14.2 21.4

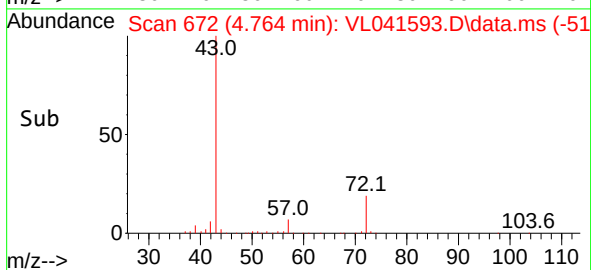
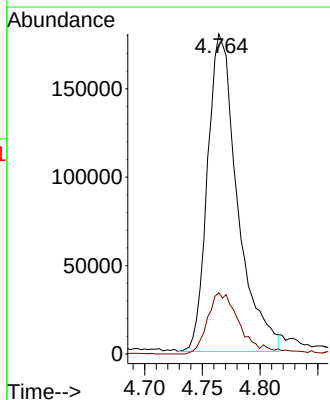
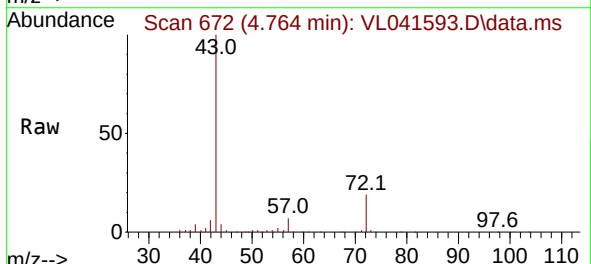
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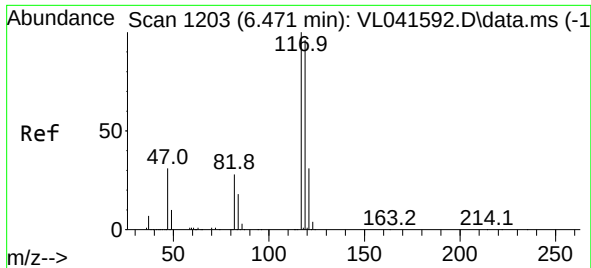
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#34
2-Butanone
Concen: 2.063 ppbv
RT: 4.764 min Scan# 672
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

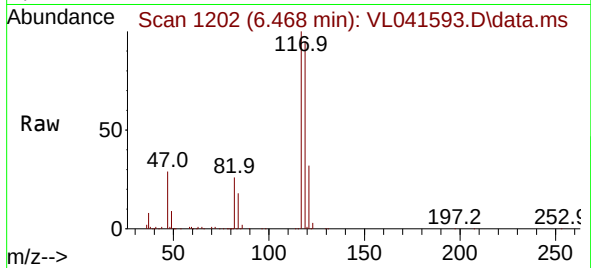
Tgt Ion: 43 Resp: 324173
Ion Ratio Lower Upper
43 100
72 22.2 16.8 25.2





#35
Carbon Tetrachloride
Concen: 2.016 ppbv
RT: 6.468 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

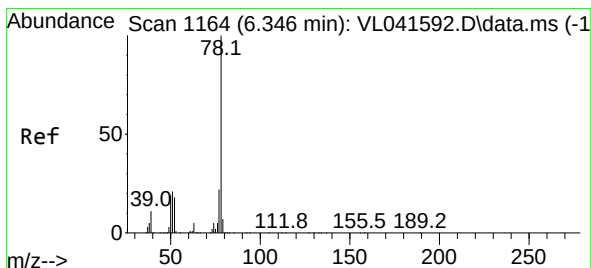
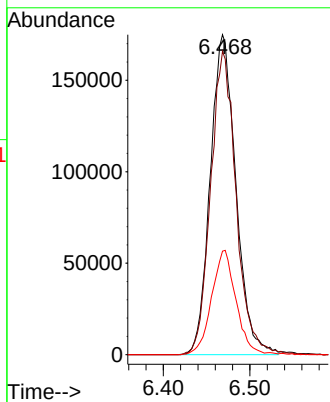
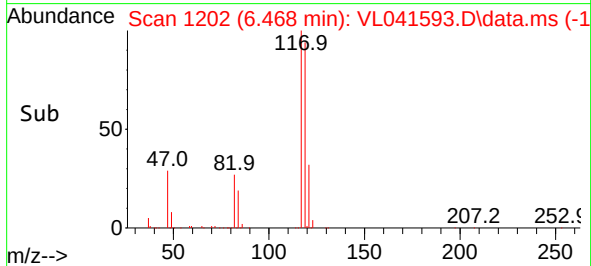
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



Tgt Ion:117 Resp: 360310
Ion Ratio Lower Upper
117 100
119 94.8 76.8 115.2
121 32.4 25.0 37.6

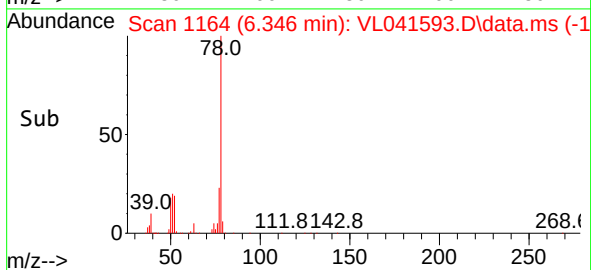
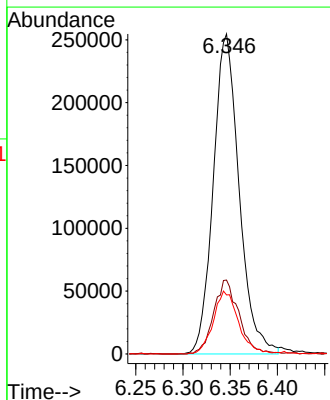
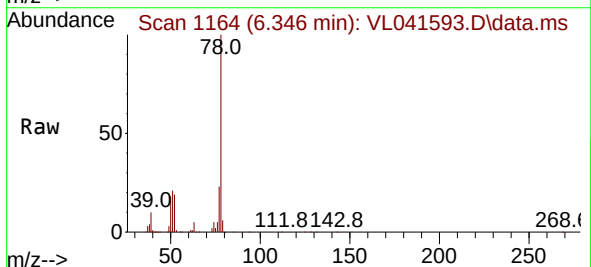
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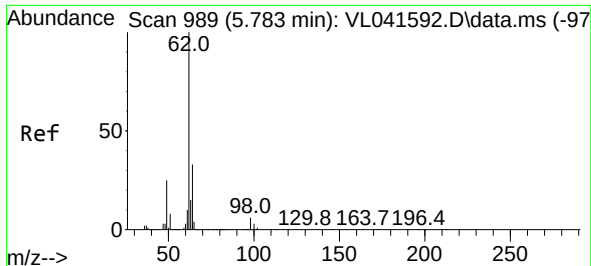
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#36
Benzene
Concen: 2.036 ppbv
RT: 6.346 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 78 Resp: 483918
Ion Ratio Lower Upper
78 100
77 23.1 17.8 26.6
50 18.5 15.4 23.0





#37

1,2-Dichloroethane

Concen: 2.015 ppbv

RT: 5.780 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 62 Resp: 26816

Ion Ratio Lower Upper

62 100

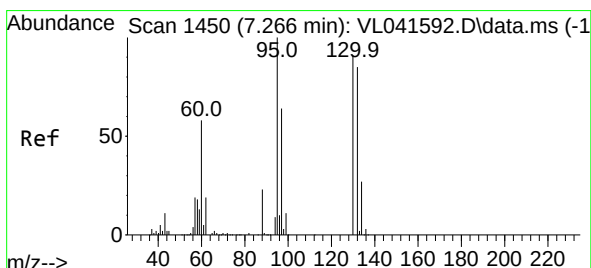
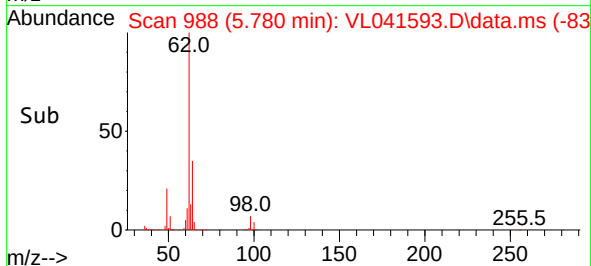
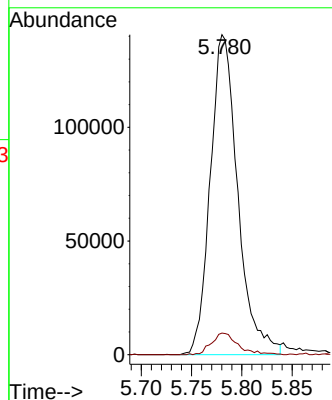
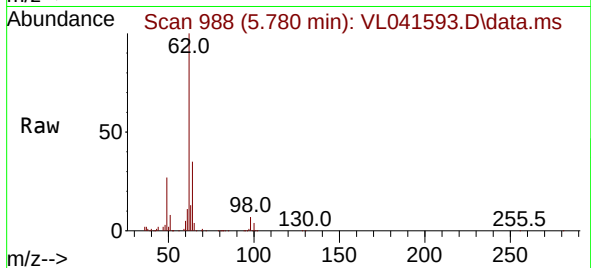
98 6.5 4.8 7.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#38

Trichloroethene

Concen: 2.298 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Tgt Ion:130 Resp: 255796

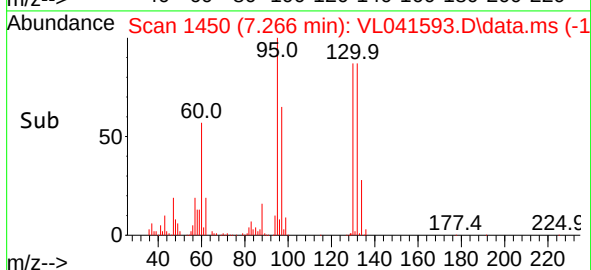
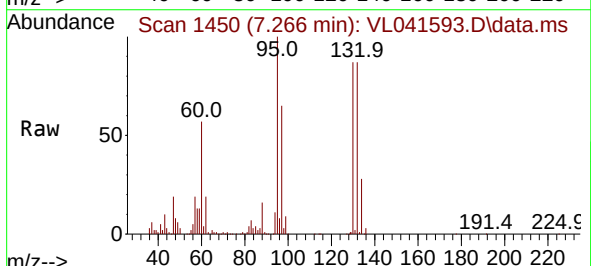
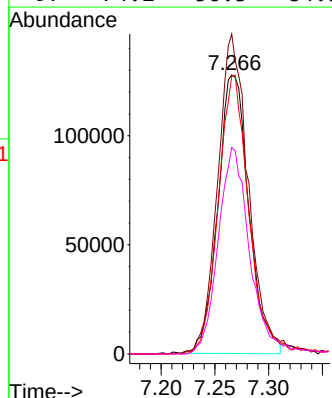
Ion Ratio Lower Upper

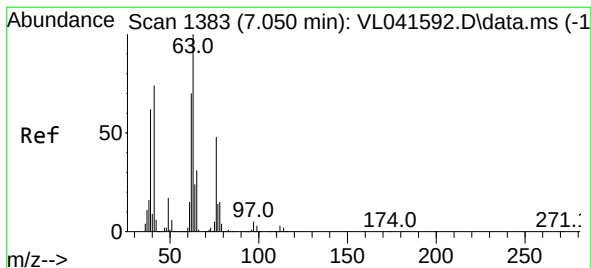
130 100

95 114.8 87.7 131.5

132 99.9 74.5 111.7

97 74.2 56.3 84.5





#39

1,2-Dichloropropane

Concen: 2.108 ppbv

RT: 7.050 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 63 Resp: 192580

Ion Ratio Lower Upper

63 100

41 76.4 59.5 89.3

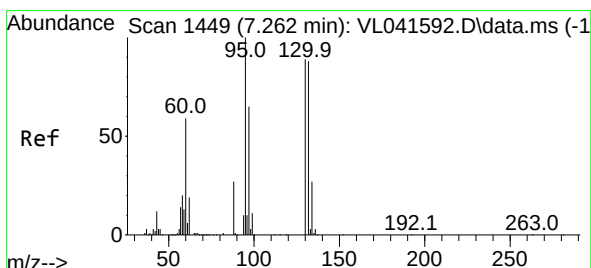
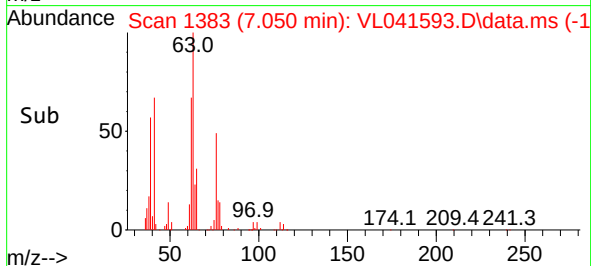
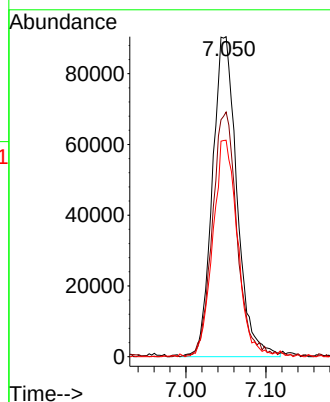
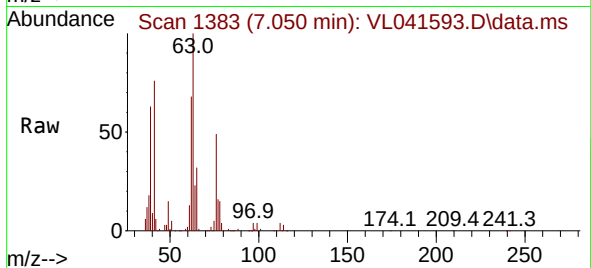
62 66.8 56.2 84.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#40

1,4-Dioxane

Concen: 2.046 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.010 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Tgt Ion: 88 Resp: 74476

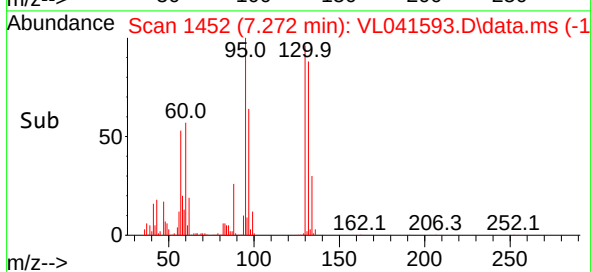
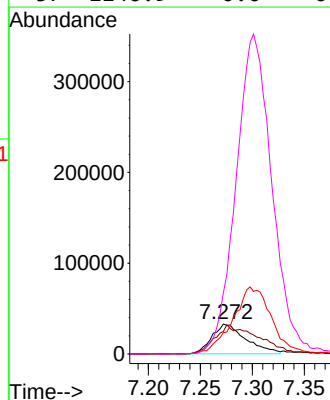
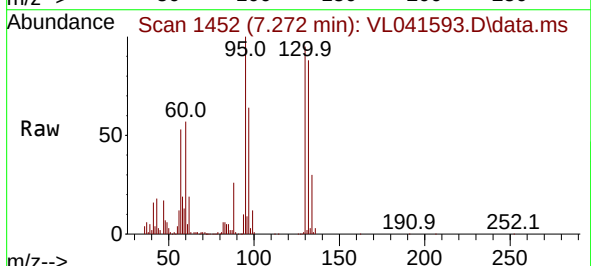
Ion Ratio Lower Upper

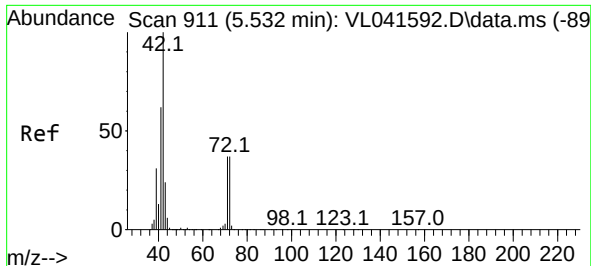
88 100

58 128.5 100.2 150.4

43 260.7 0.0 0.0#

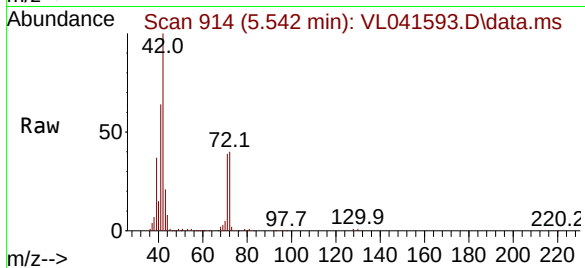
57 1146.9 0.0 0.0#





#41
Tetrahydrofuran
Concen: 1.953 ppbv
RT: 5.542 min Scan# 911
Delta R.T. 0.010 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

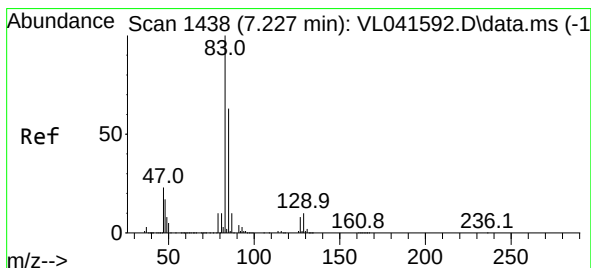
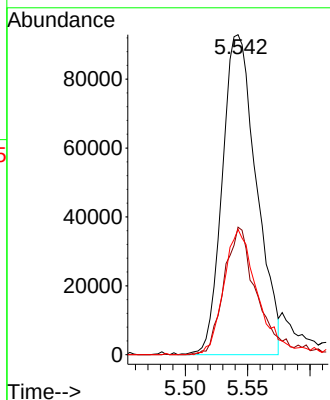
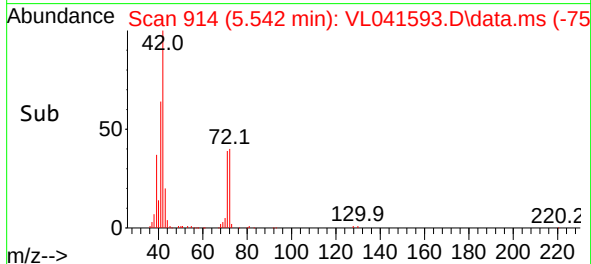
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 17674
Ion Ratio Lower Upper
42 100
72 40.2 30.2 45.2
71 39.9 29.6 44.4

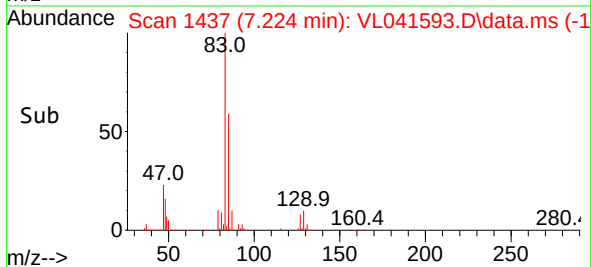
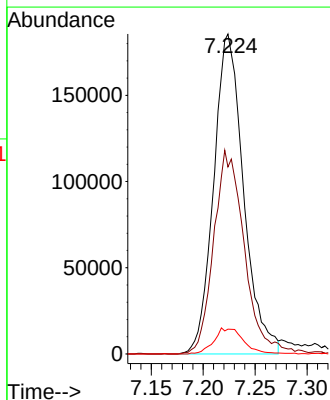
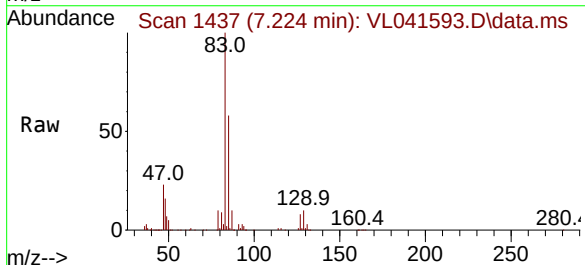
Manual Integrations
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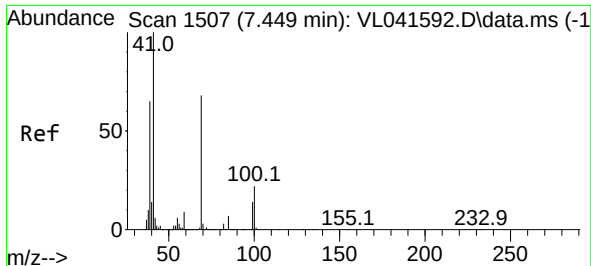
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#42
Bromodichloromethane
Concen: 1.939 ppbv
RT: 7.224 min Scan# 1437
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

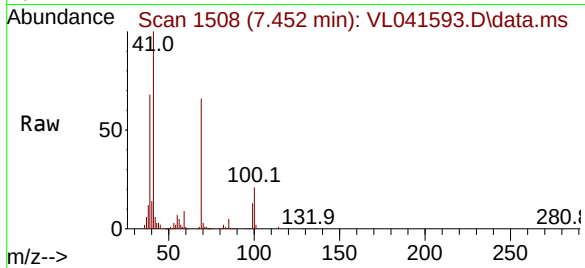
Tgt Ion: 83 Resp: 371085
Ion Ratio Lower Upper
83 100
85 58.4 50.5 75.7
127 7.8 6.5 9.7





#43
Methyl Methacrylate
Concen: 1.999 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

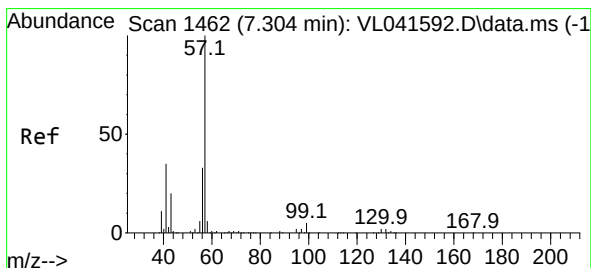
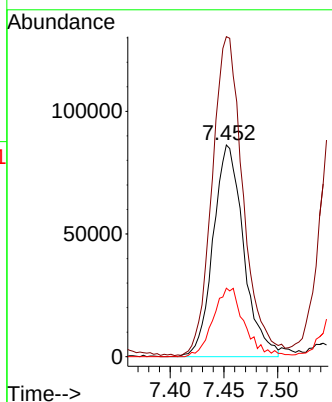
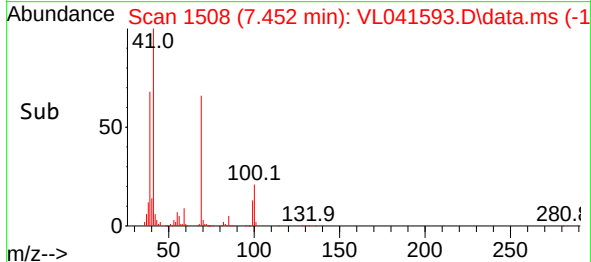
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



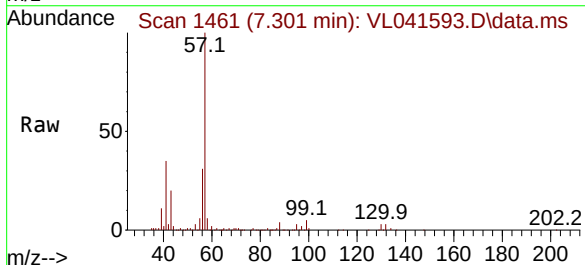
Tgt Ion: 69 Resp: 169660
Ion Ratio Lower Upper
69 100
41 153.4 121.8 182.6
100 33.7 26.5 39.7

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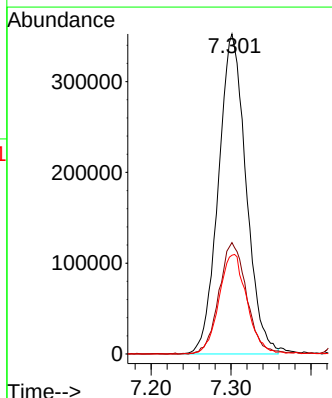
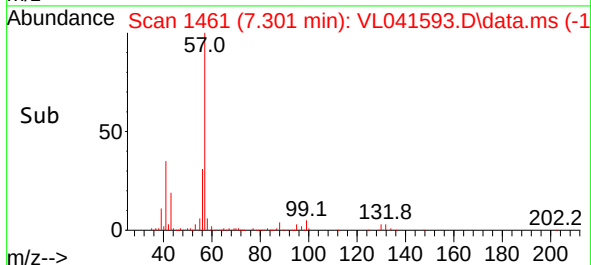
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

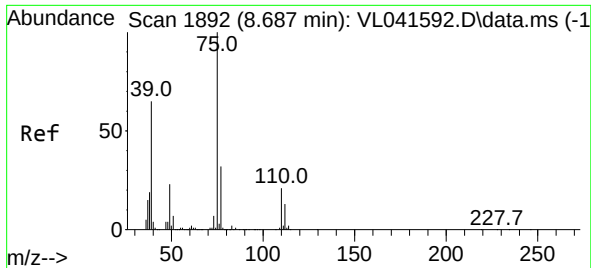


#44
2,2,4-Trimethylpentane
Concen: 2.122 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56



Tgt Ion: 57 Resp: 846282
Ion Ratio Lower Upper
57 100
41 34.9 27.0 40.6
56 31.7 25.5 38.3





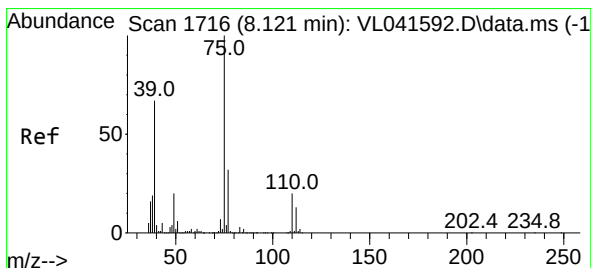
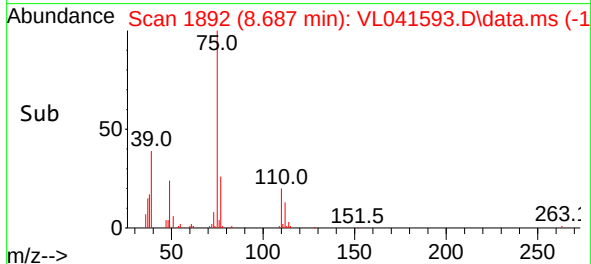
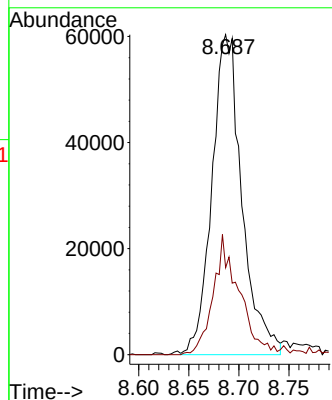
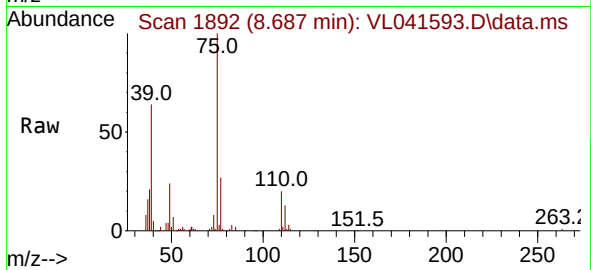
#45
 t-1,3-Dichloropropene
 Concen: 1.664 ppbv m
 RT: 8.687 min Scan# 1892
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 75 Resp: 12580
 Ion Ratio Lower Upper
 75 100
 77 27.2 25.4 38.0

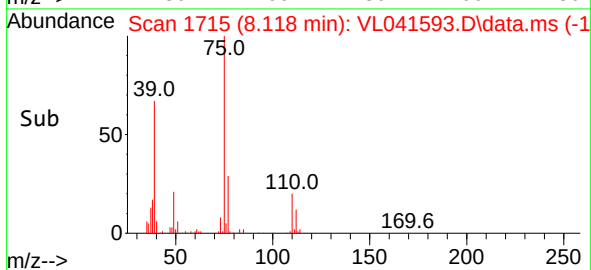
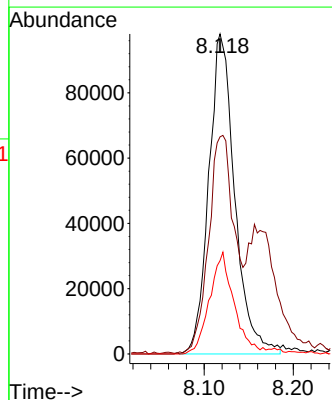
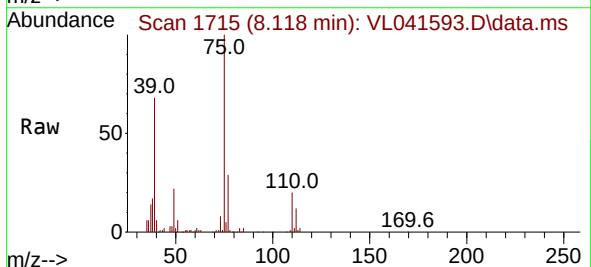
Manual Integrations
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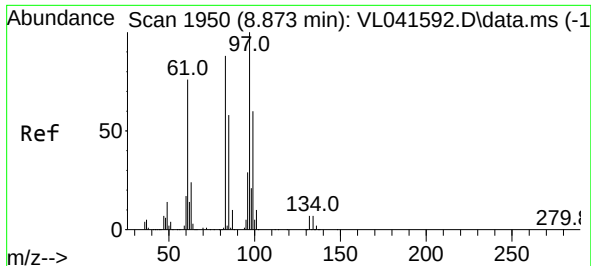
Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024



#46
 cis-1,3-Dichloropropene
 Concen: 1.787 ppbv
 RT: 8.118 min Scan# 1715
 Delta R.T. -0.003 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Tgt Ion: 75 Resp: 198614
 Ion Ratio Lower Upper
 75 100
 39 67.2 54.0 81.0
 77 29.2 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 2.016 ppbv

RT: 8.870 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 202280

Ion Ratio Lower Upper

97 100

83 89.5 70.2 105.4

85 53.9 46.3 69.5

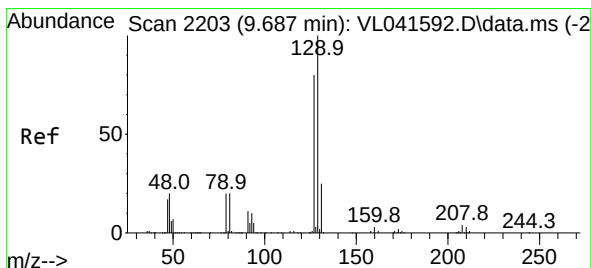
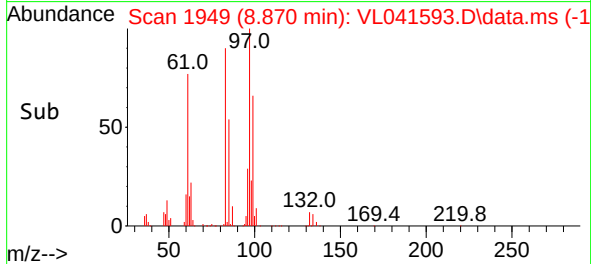
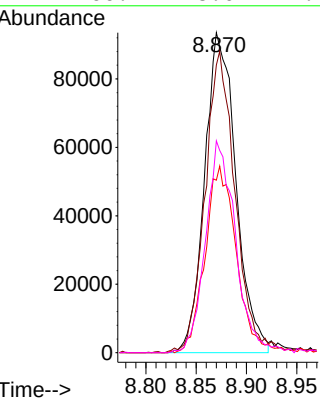
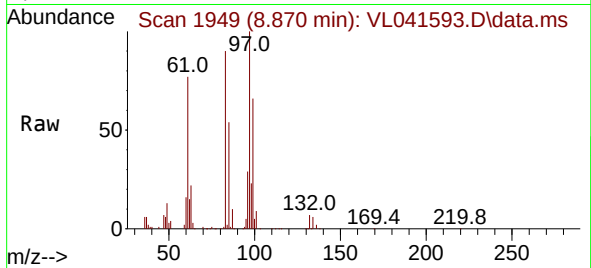
99 66.2 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#48

Dibromochloromethane

Concen: 1.866 ppbv

RT: 9.684 min Scan# 2202

Delta R.T. -0.003 min

Lab File: VL041593.D

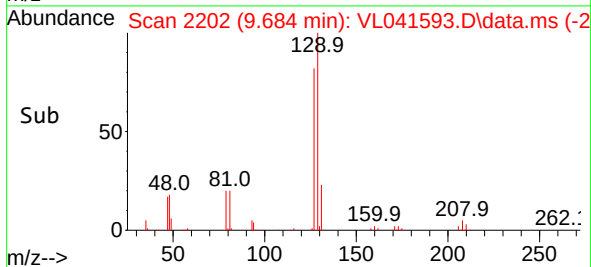
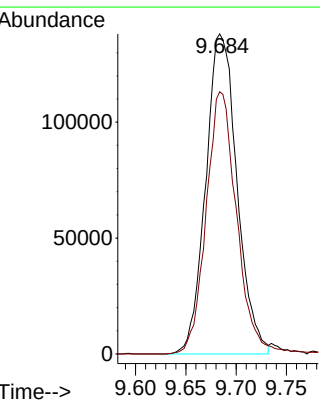
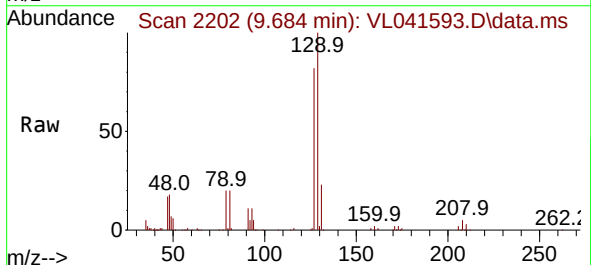
Acq: 16 Sep 2024 13:56

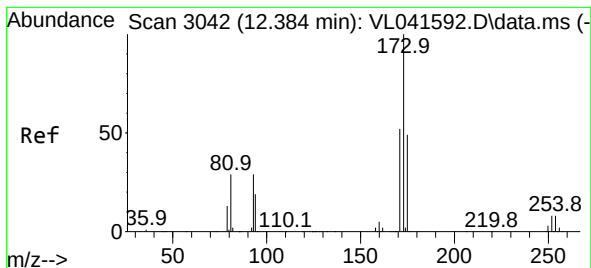
Tgt Ion:129 Resp: 299312

Ion Ratio Lower Upper

129 100

127 80.5 39.3 117.9





#49

Bromoform

Concen: 1.922 ppbv

RT: 12.384 min Scan# 3042

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

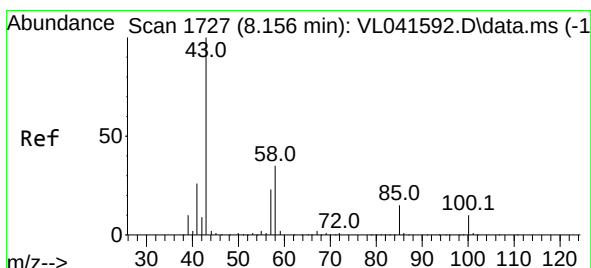
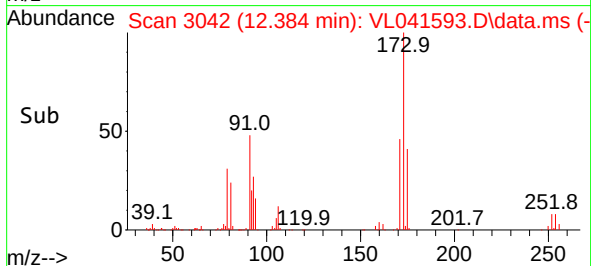
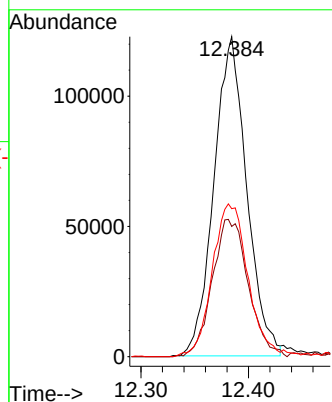
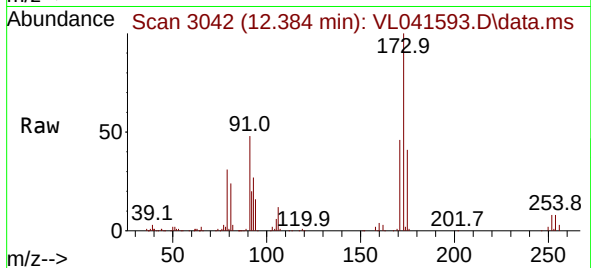
VSTDICC002

Tgt Ion:	173	Resp:	25993
Ion Ratio	Lower	Upper	
173	100		
175	47.7	40.1	60.1
171	53.5	42.2	63.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#50

4-Methyl-2-Pentanone

Concen: 2.099 ppbv

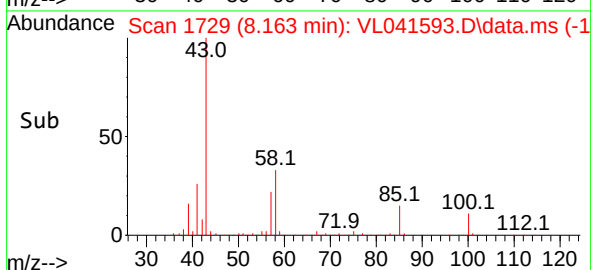
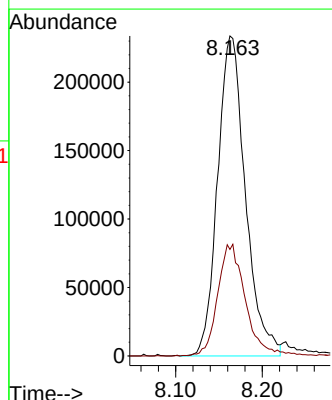
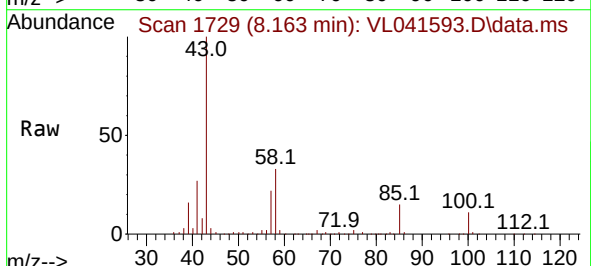
RT: 8.163 min Scan# 1729

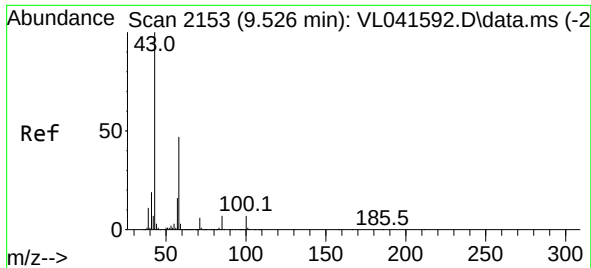
Delta R.T. 0.007 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

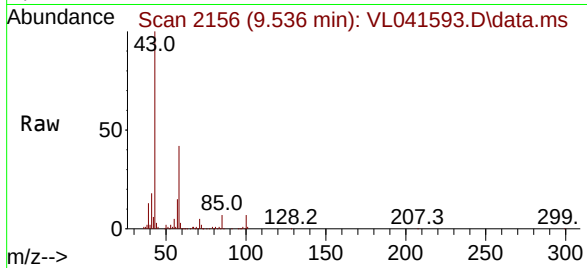
Tgt Ion:	43	Resp:	521882
Ion Ratio	Lower	Upper	
43	100		
58	34.9	27.8	41.8





#51
2-Hexanone
Concen: 2.097 ppbv
RT: 9.536 min Scan# 2153
Delta R.T. 0.010 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

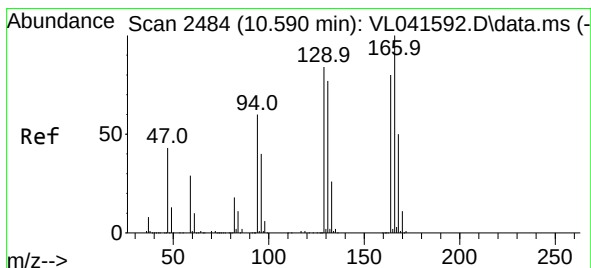
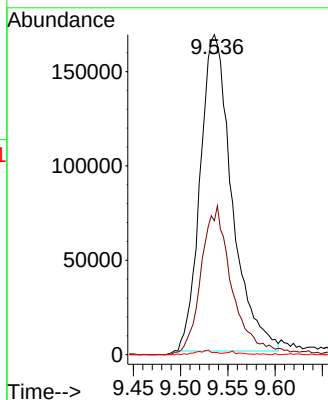
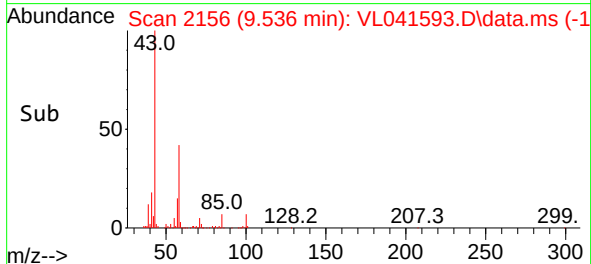
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



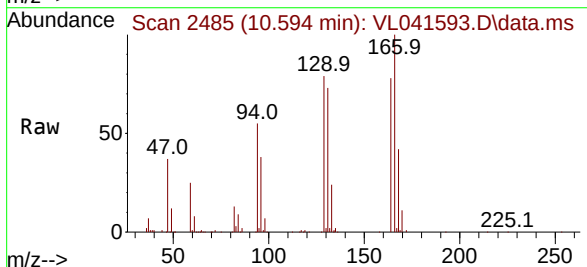
Tgt Ion: 43 Resp: 391600
Ion Ratio Lower Upper
43 100
58 45.9 37.2 55.8
98 1.3 0.5 0.7

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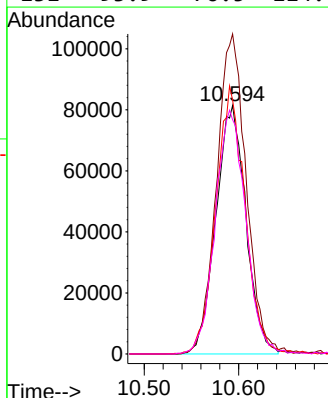
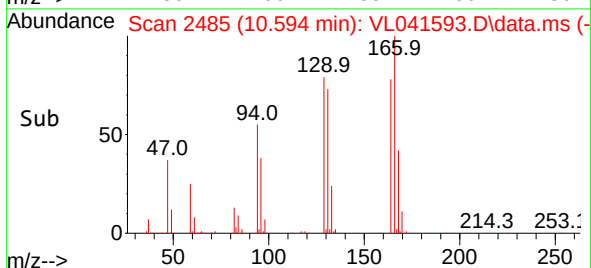
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

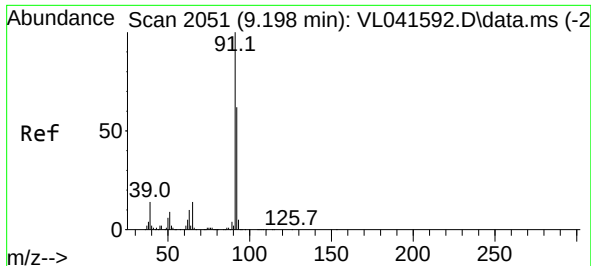


#52
Tetrachloroethene
Concen: 1.964 ppbv
RT: 10.594 min Scan# 2485
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56



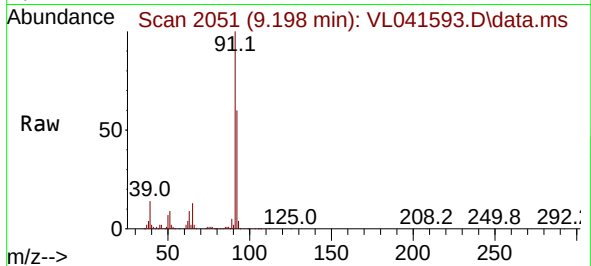
Tgt Ion:164 Resp: 179606
Ion Ratio Lower Upper
164 100
166 128.7 99.4 149.2
129 101.9 83.5 125.3
131 93.9 76.5 114.7





#53
Toluene
Concen: 1.978 ppbv
RT: 9.198 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

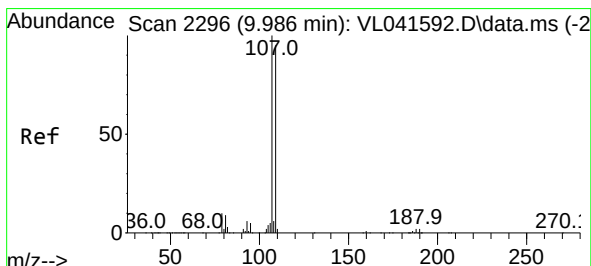
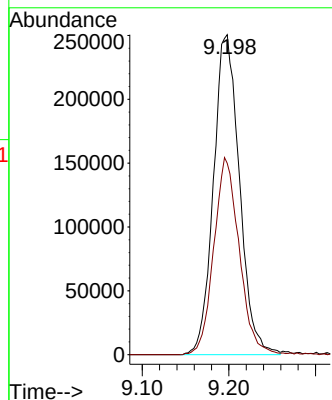
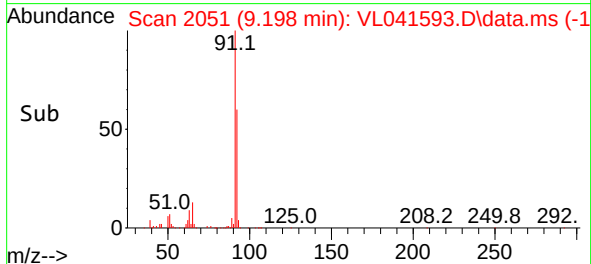
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



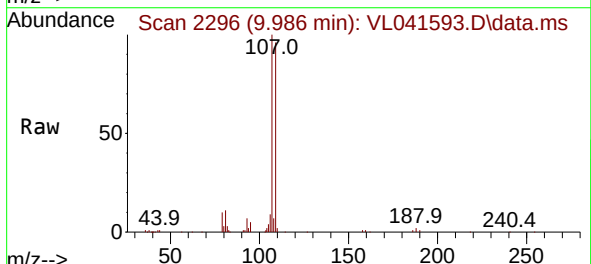
Tgt Ion: 91 Resp: 523040
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3

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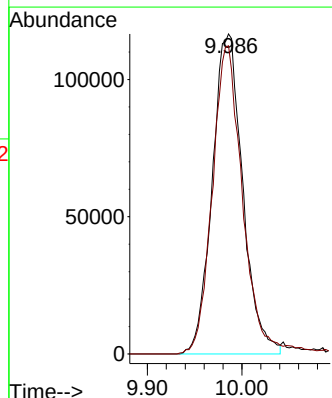
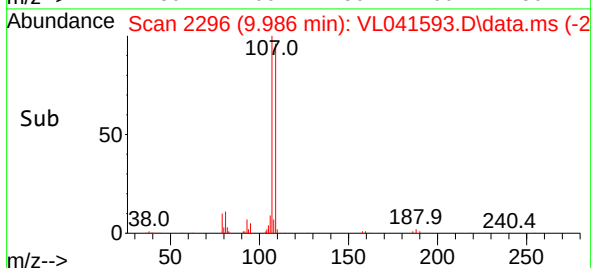
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

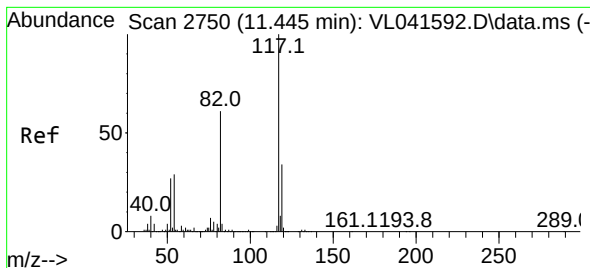


#54
1,2-Dibromoethane
Concen: 1.975 ppbv
RT: 9.986 min Scan# 2296
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56



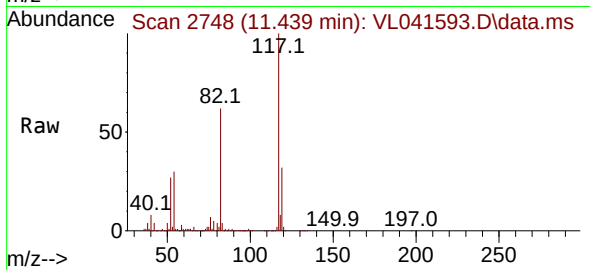
Tgt Ion:107 Resp: 260693
Ion Ratio Lower Upper
107 100
109 96.0 75.7 113.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

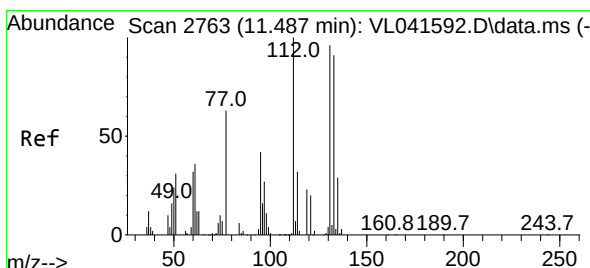
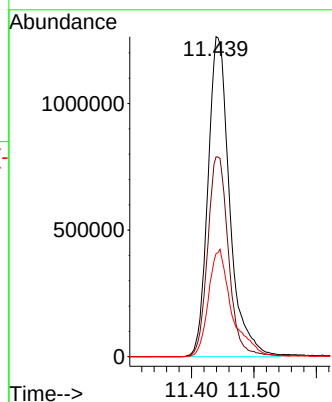
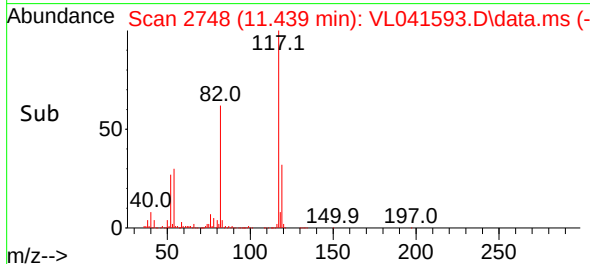
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion:117 Resp: 3052584
Ion Ratio Lower Upper
117 100
82 60.9 49.4 74.2
119 36.2 24.4 36.6

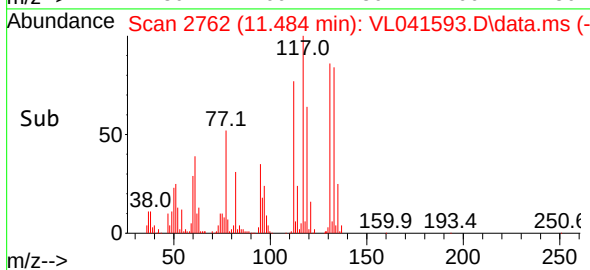
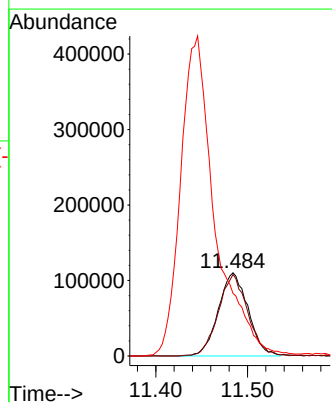
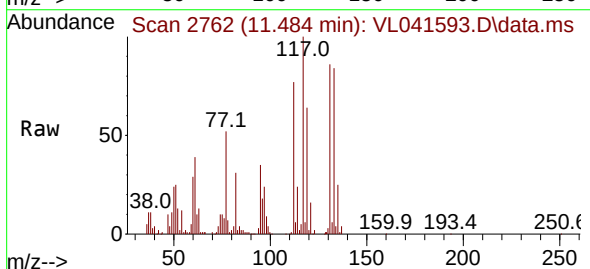
Manual Integrations
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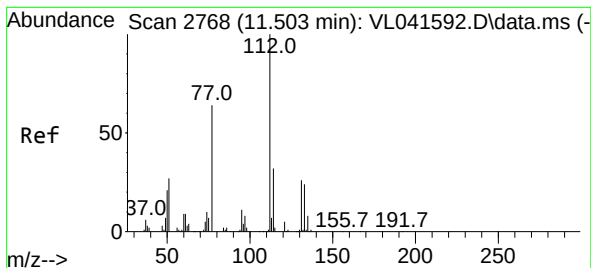
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#56
1,1,1,2-Tetrachloroethane
Concen: 2.087 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion:131 Resp: 247944
Ion Ratio Lower Upper
131 100
133 97.5 76.6 115.0
119 447.6 48.5 72.7#





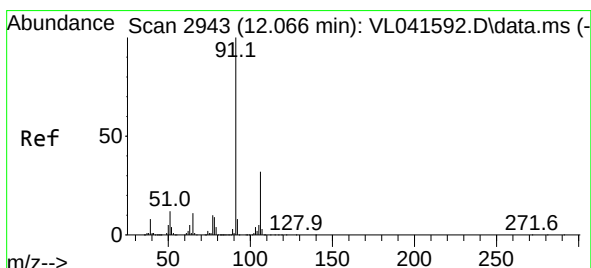
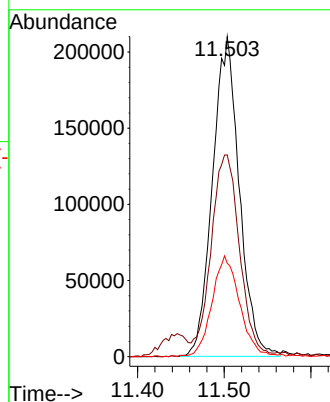
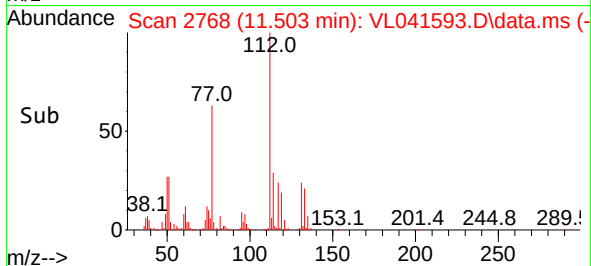
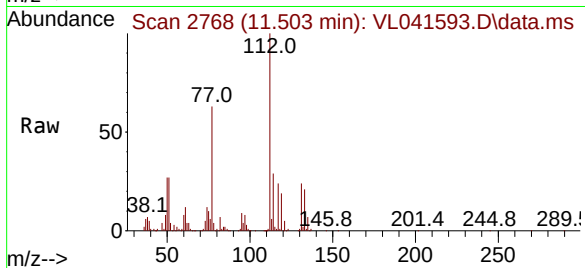
#57
Chlorobenzene
Concen: 2.065 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 112 Resp: 45122
Ion Ratio Lower Upper
112 100
77 62.0 52.0 78.0
114 28.8 28.6 35.0

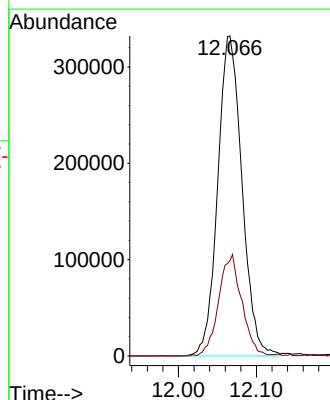
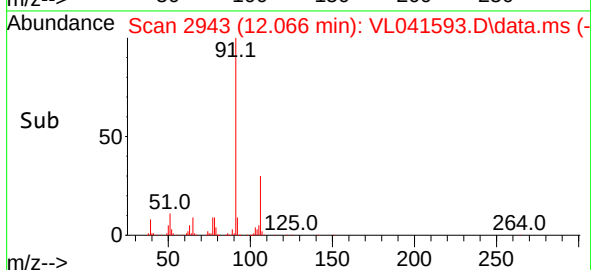
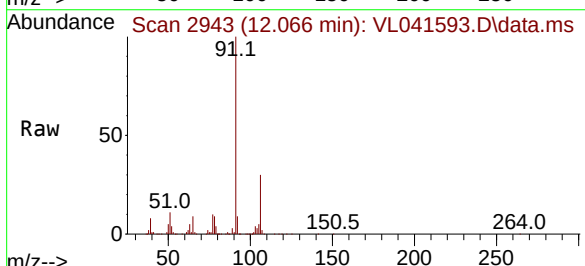
Manual Integrations
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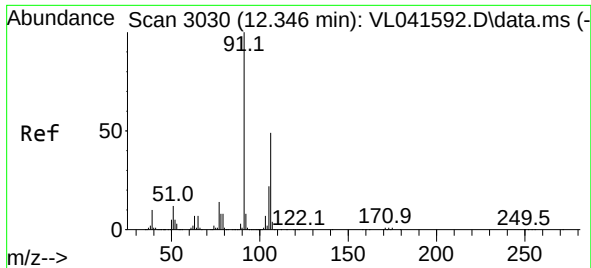
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#58
Ethyl Benzene
Concen: 2.038 ppbv
RT: 12.066 min Scan# 2943
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 91 Resp: 719793
Ion Ratio Lower Upper
91 100
106 29.8 25.8 38.6





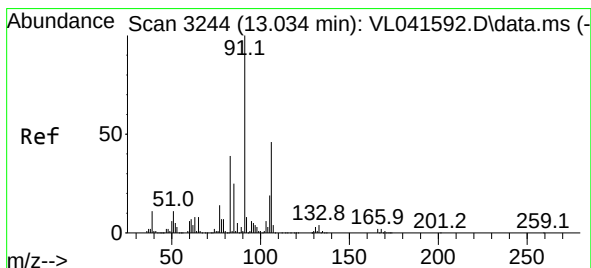
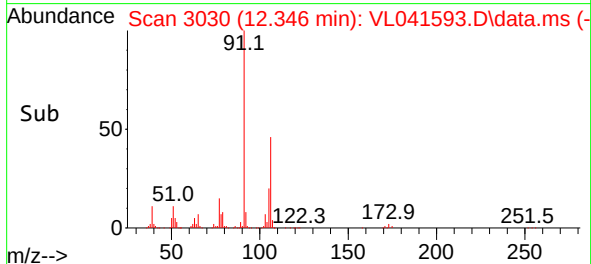
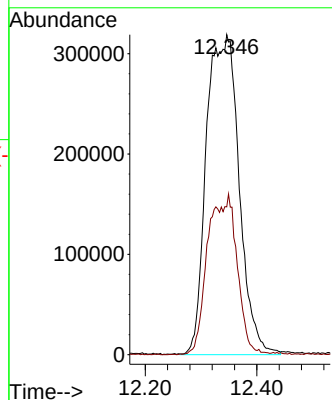
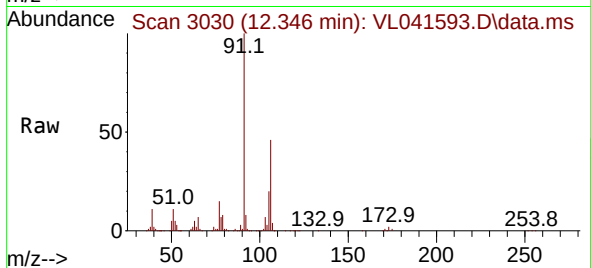
#59
m/p-Xylene
Concen: 4.249 ppbv m
RT: 12.346 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 129494
Ion Ratio Lower Upper
91 100
106 45.4 36.8 55.2

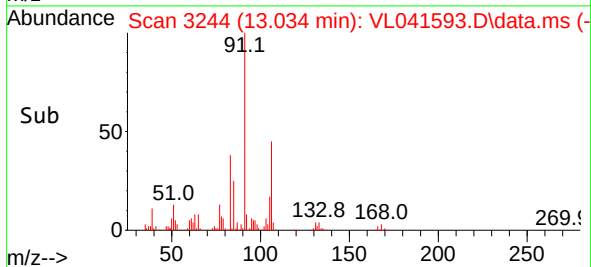
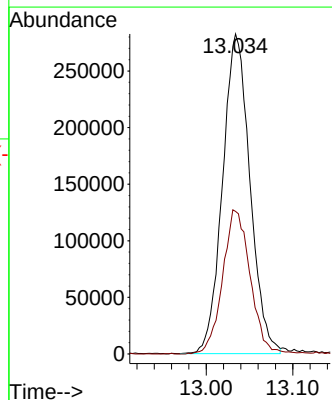
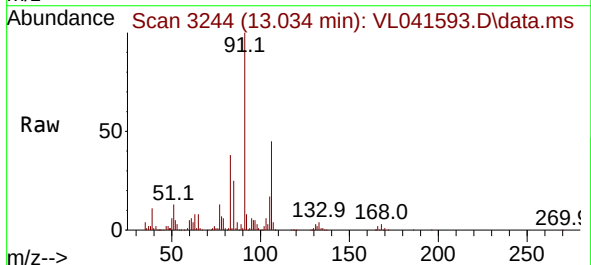
Manual Integrations
APPROVED

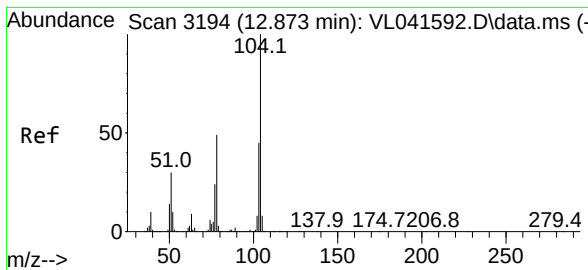
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#60
o-Xylene
Concen: 2.146 ppbv
RT: 13.034 min Scan# 3244
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

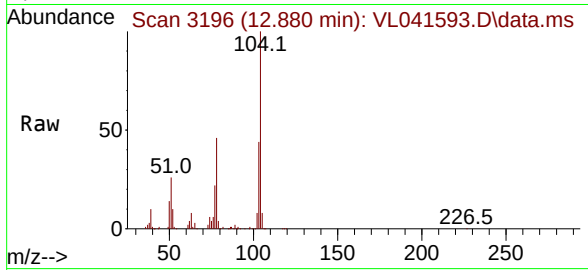
Tgt Ion: 91 Resp: 620587
Ion Ratio Lower Upper
91 100
106 45.9 23.1 69.3





#61
Styrene
Concen: 1.942 ppbv
RT: 12.880 min Scan# 3194
Delta R.T. 0.007 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

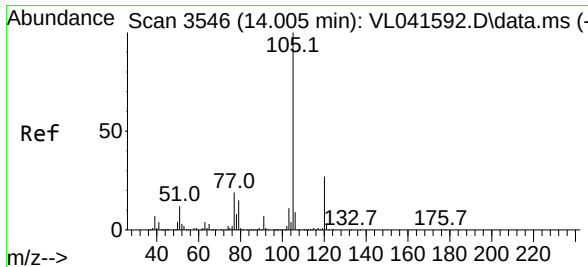
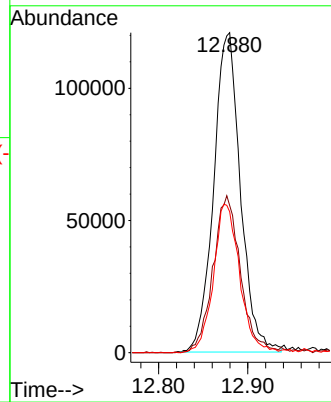
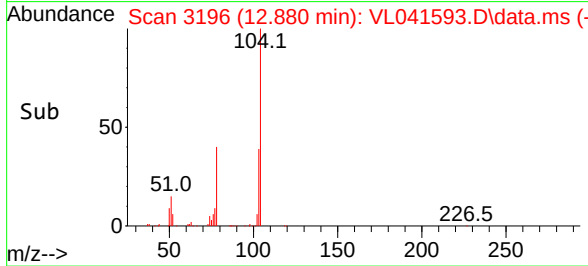
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



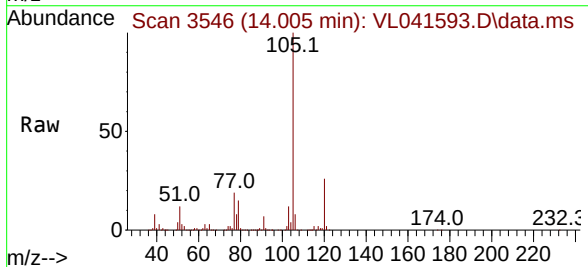
Tgt Ion:104 Resp: 252259
Ion Ratio Lower Upper
104 100
78 51.1 39.8 59.6
103 45.6 37.4 56.0

Manual Integrations
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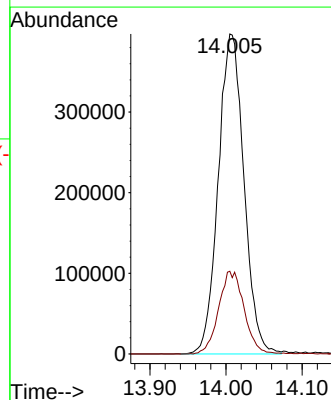
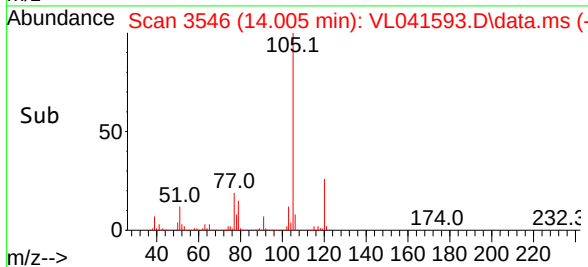
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

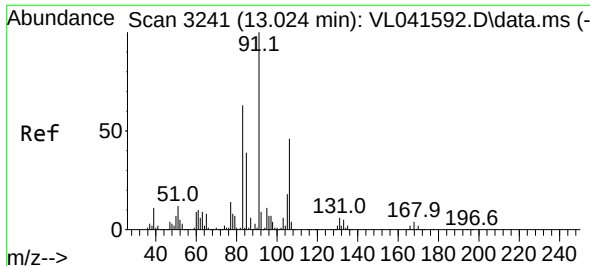


#62
Isopropylbenzene
Concen: 2.119 ppbv
RT: 14.005 min Scan# 3546
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56



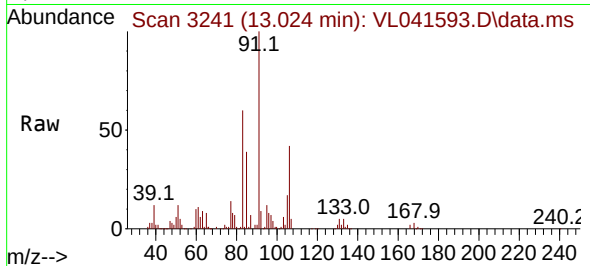
Tgt Ion:105 Resp: 929045
Ion Ratio Lower Upper
105 100
120 25.8 20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 1.762 ppbv
RT: 13.024 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

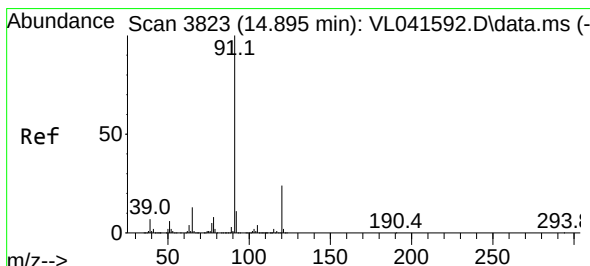
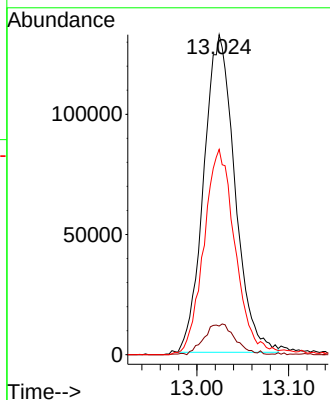
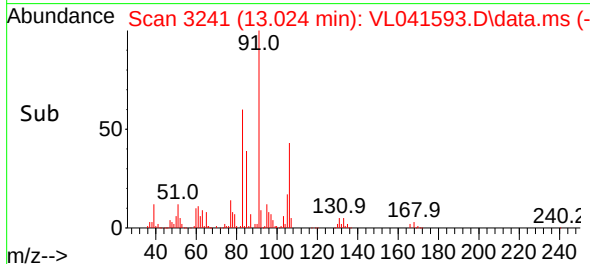
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



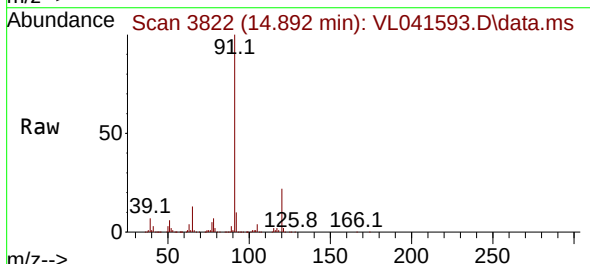
Tgt Ion: 83 Resp: 31106
Ion Ratio Lower Upper
83 100
131 9.8 4.8 14.4
85 66.7 32.5 97.4

Manual Integrations
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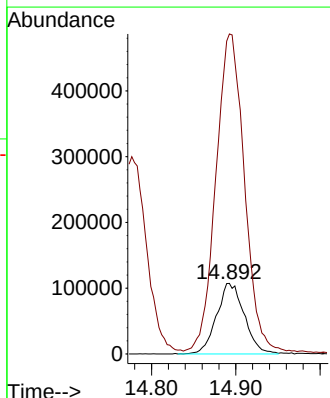
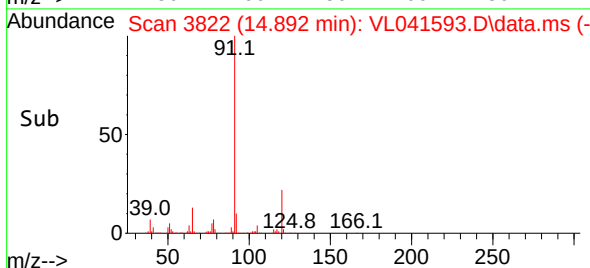
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

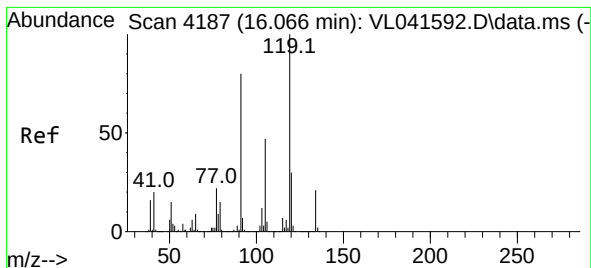


#64
n-propylbenzene
Concen: 2.137 ppbv
RT: 14.892 min Scan# 3822
Delta R.T. -0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56



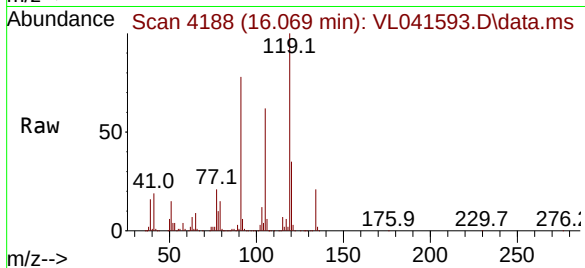
Tgt Ion:120 Resp: 244643
Ion Ratio Lower Upper
120 100
91 475.4 366.4 549.6





#65
tert-Butylbenzene
Concen: 2.210 ppbv
RT: 16.069 min Scan# 4187
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

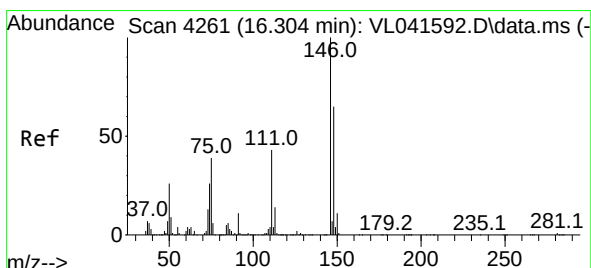
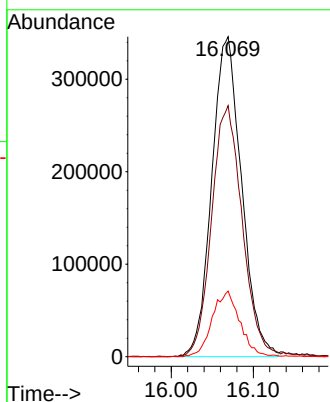
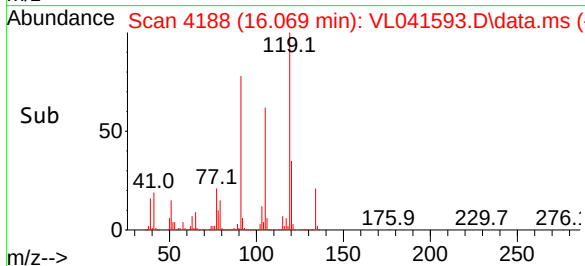
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



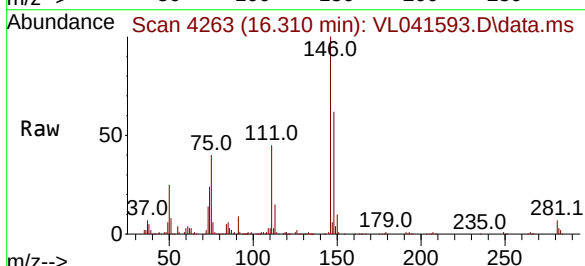
Tgt Ion: 119 Resp: 874824
Ion Ratio Lower Upper
119 100
91 81.2 64.6 96.8
134 19.2 15.8 23.8

Manual Integrations
APPROVED

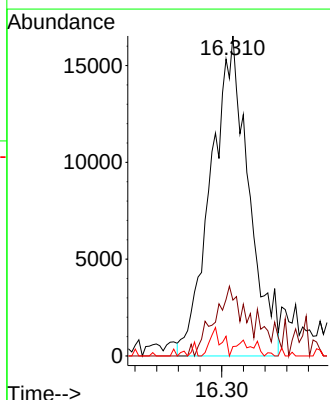
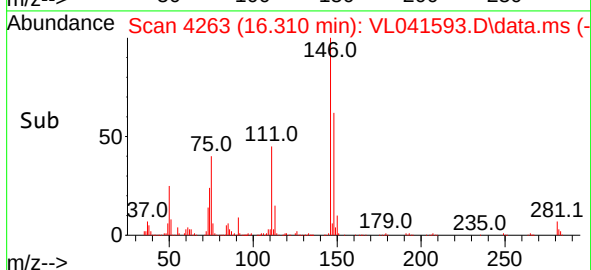
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

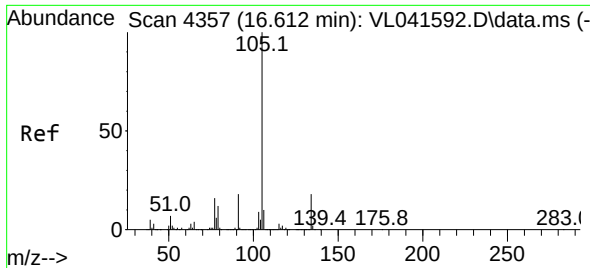


#66
Benzyl Chloride
Concen: 1.678 ppbv m
RT: 16.310 min Scan# 4263
Delta R.T. 0.007 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56



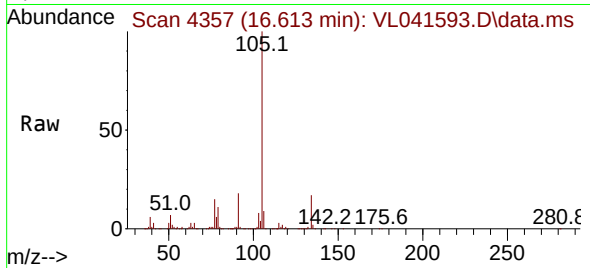
Tgt Ion: 91 Resp: 39929
Ion Ratio Lower Upper
91 100
126 0.0 15.4 23.2#
128 3.2 4.8 7.2#





#67
 sec-Butylbenzene
 Concen: 2.234 ppbv
 RT: 16.613 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

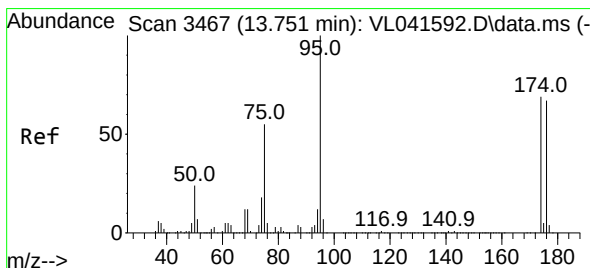
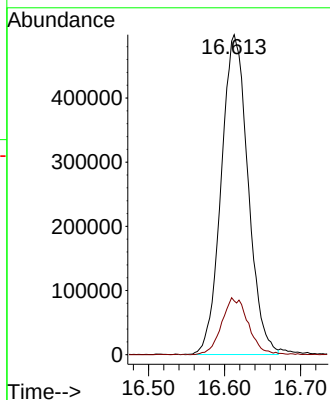
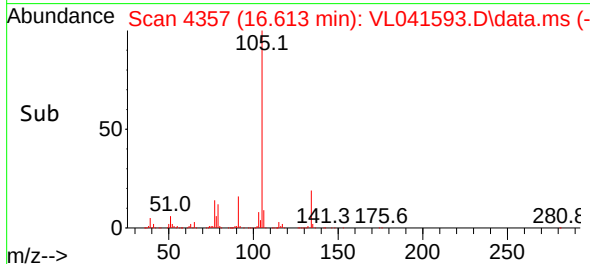
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:105 Resp: 1221574
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.6 21.8

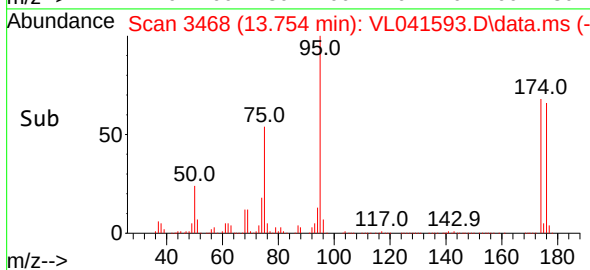
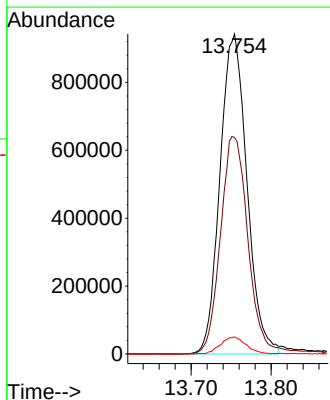
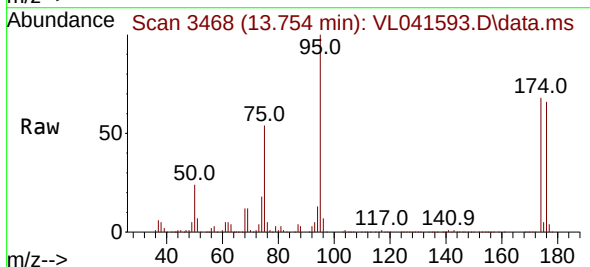
Manual Integrations
 APPROVED

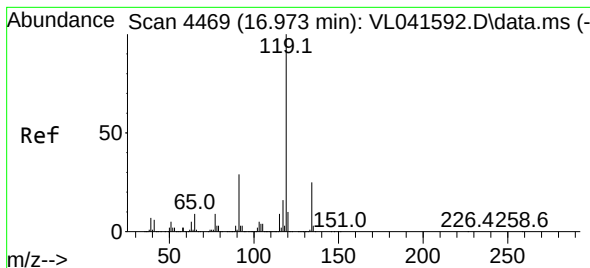
Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.461 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. 0.003 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

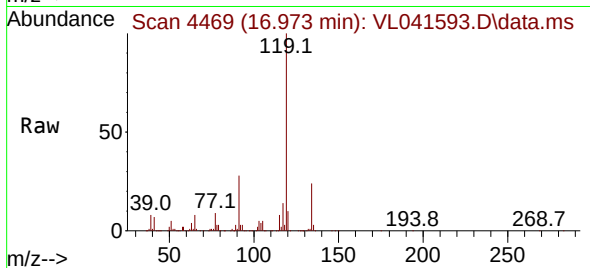
Tgt Ion: 95 Resp: 2207152
 Ion Ratio Lower Upper
 95 100
 174 71.0 55.8 83.8
 175 5.2 4.1 6.1





#69
p-Isopropyltoluene
Concen: 2.261 ppbv
RT: 16.973 min Scan# 4469
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

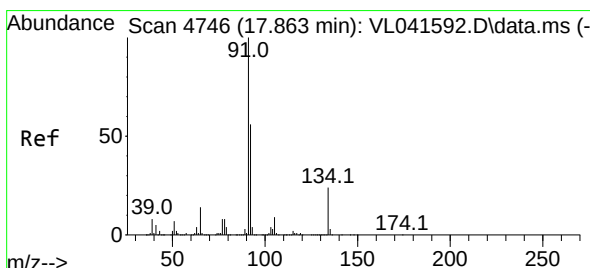
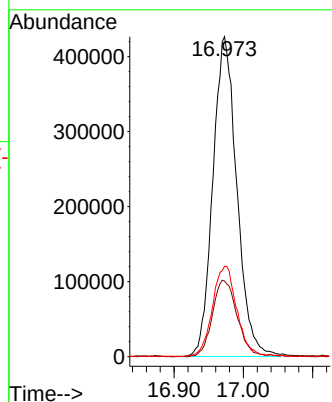
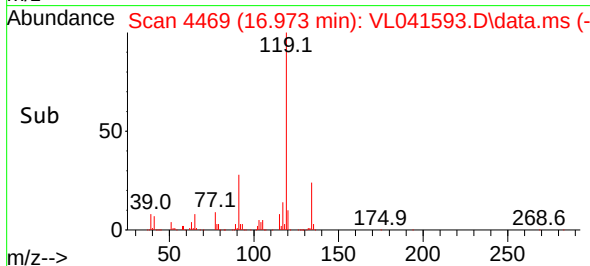
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 119 Resp: 1023815
Ion Ratio Lower Upper
119 100
134 24.9 20.5 30.7
91 29.4 23.1 34.7

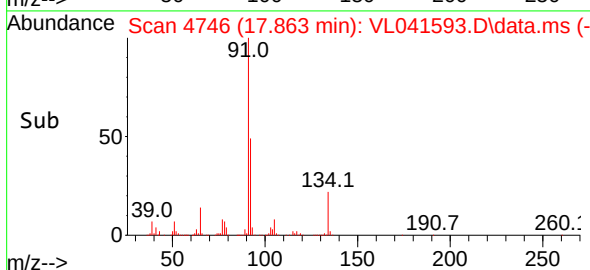
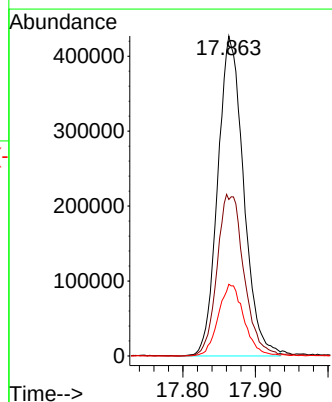
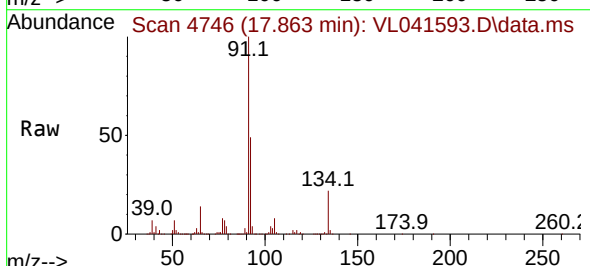
Manual Integrations
APPROVED

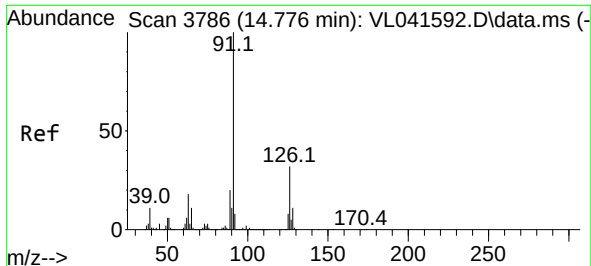
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#70
n-Butylbenzene
Concen: 2.276 ppbv
RT: 17.863 min Scan# 4746
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion: 91 Resp: 1057176
Ion Ratio Lower Upper
91 100
92 53.0 43.2 64.8
134 22.4 18.6 27.8





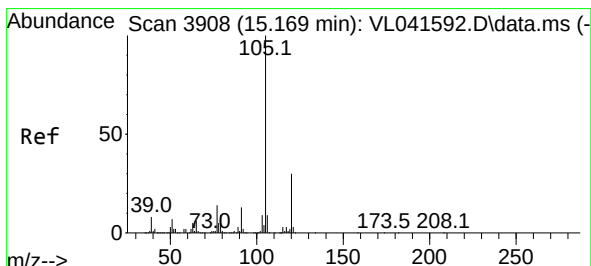
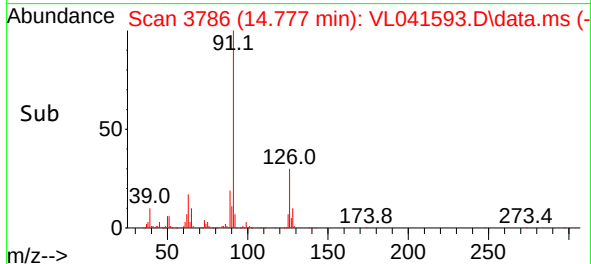
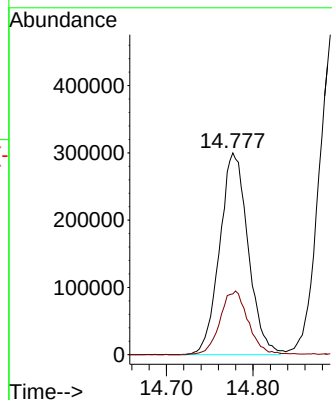
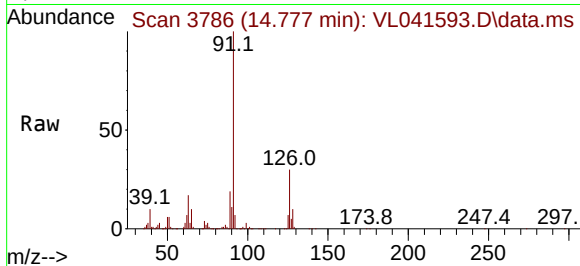
#71
2-Chlorotoluene
Concen: 2.118 ppbv
RT: 14.777 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 684490
Ion Ratio Lower Upper
91 100
126 31.6 12.9 51.5

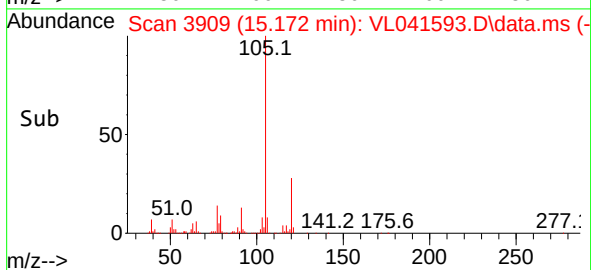
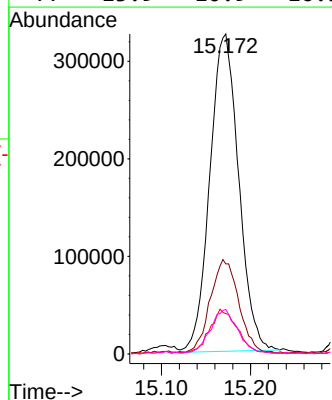
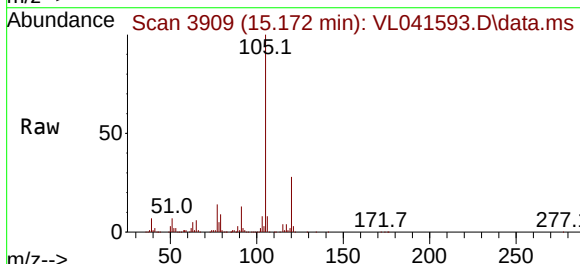
Manual Integrations
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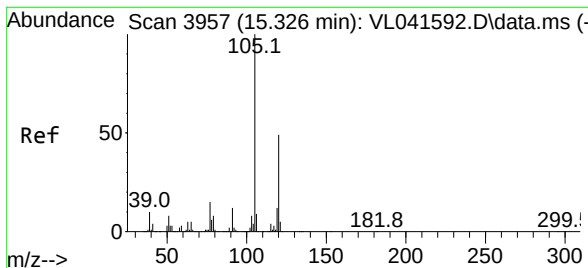
Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#72
4-Ethyltoluene
Concen: 2.153 ppbv
RT: 15.172 min Scan# 3909
Delta R.T. 0.003 min
Lab File: VL041593.D
Acq: 16 Sep 2024 13:56

Tgt Ion:105 Resp: 730570
Ion Ratio Lower Upper
105 100
120 30.9 24.1 36.1
91 13.5 10.2 15.2
77 13.9 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 2.202 ppbv

RT: 15.330 min Scan# 3957

Delta R.T. 0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 643550

Ion Ratio Lower Upper

105 100

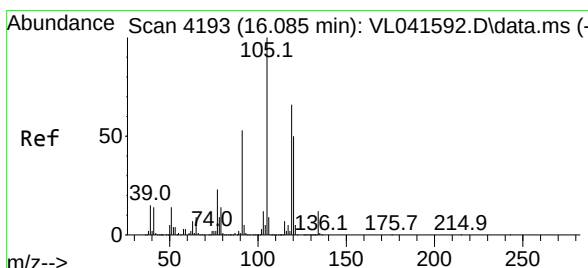
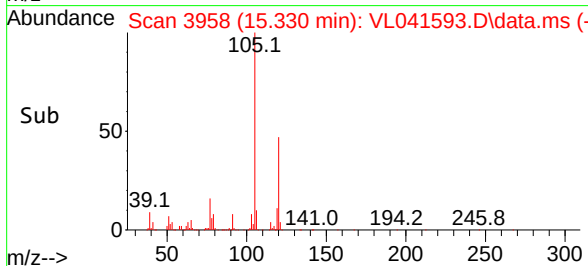
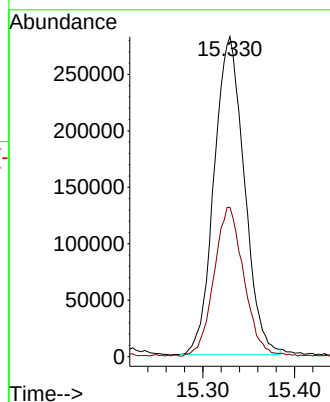
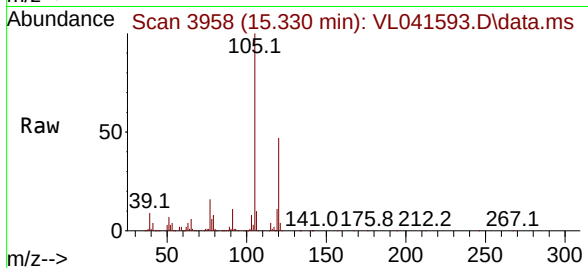
120 46.8 39.4 59.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#74

1,2,4-Trimethylbenzene

Concen: 2.275 ppbv

RT: 16.082 min Scan# 4192

Delta R.T. -0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Tgt Ion:105 Resp: 773729

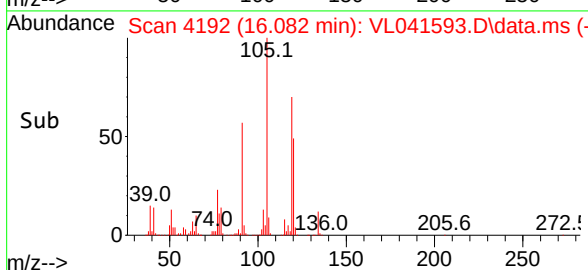
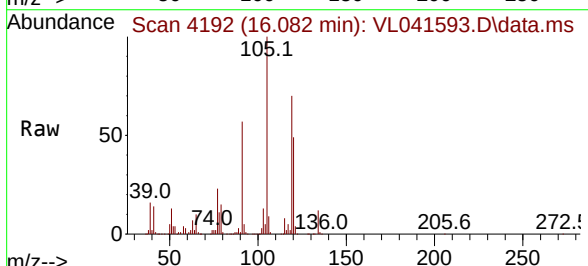
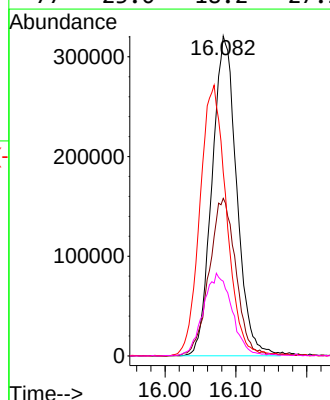
Ion Ratio Lower Upper

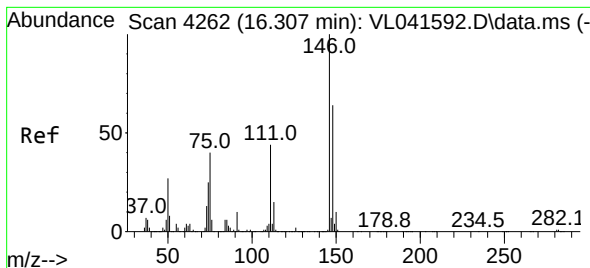
105 100

120 48.9 39.9 59.9

91 57.0 42.6 63.8

77 23.0 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 2.190 ppbv

RT: 16.307 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:146 Resp: 46755

Ion Ratio Lower Upper

146 100

111 45.4 22.4 67.0

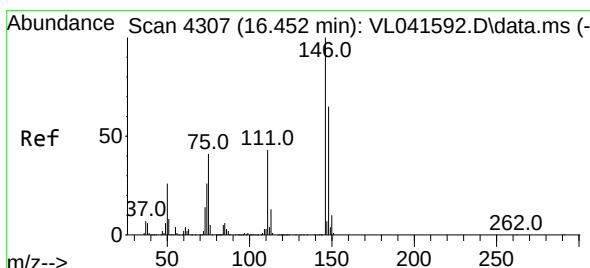
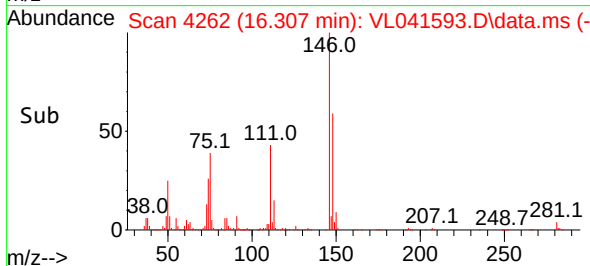
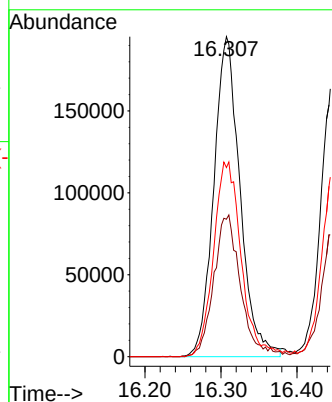
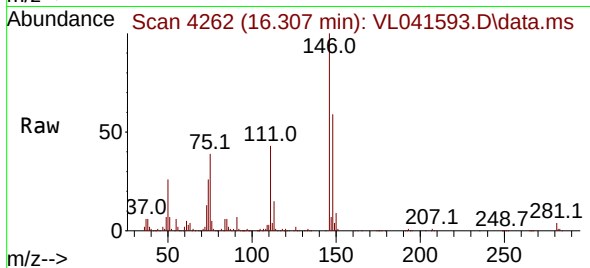
148 64.4 32.1 96.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#76

1,4-Dichlorobenzene

Concen: 2.167 ppbv

RT: 16.449 min Scan# 4306

Delta R.T. -0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

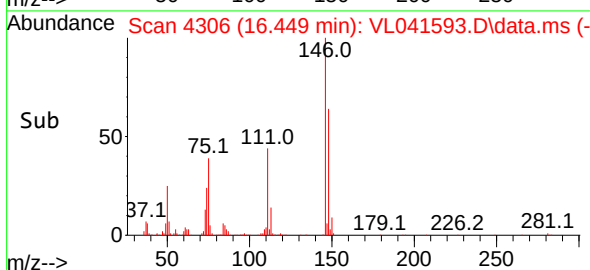
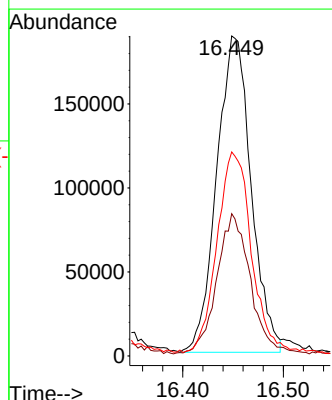
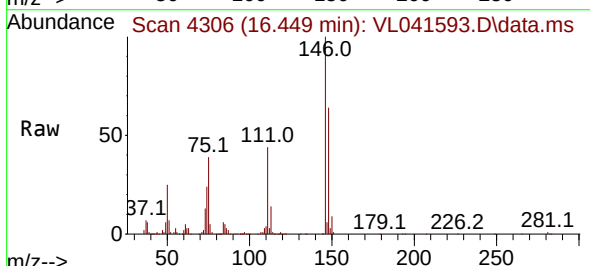
Tgt Ion:146 Resp: 447493

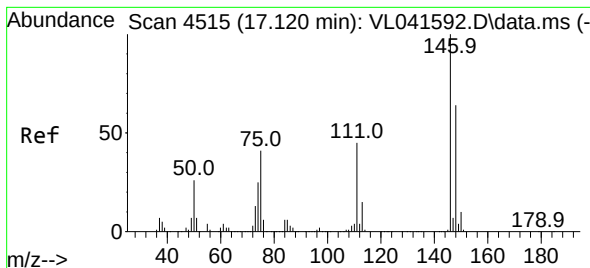
Ion Ratio Lower Upper

146 100

111 45.7 22.4 67.3

148 67.3 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 2.177 ppbv

RT: 17.121 min Scan# 4515

Delta R.T. 0.000 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:146 Resp: 460299

Ion Ratio Lower Upper

146 100

111 46.9 23.4 70.0

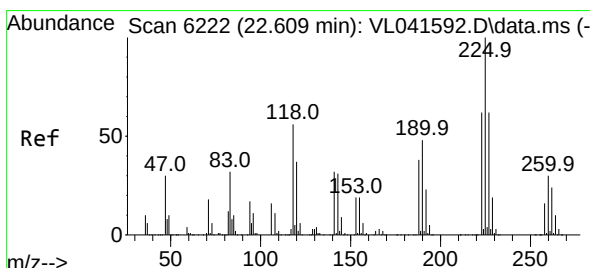
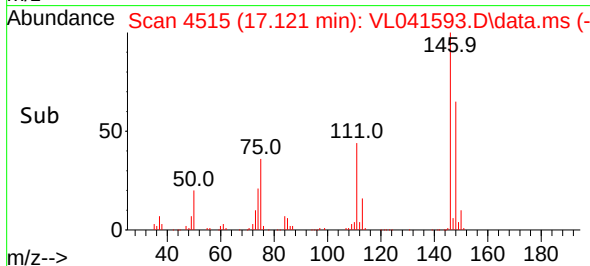
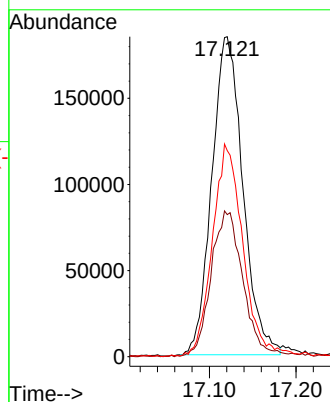
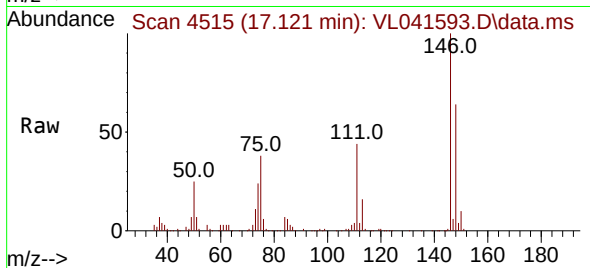
148 66.5 32.5 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024

Supervised By :Mahesh Dadoda 09/17/2024



#78

Hexachloro-1,3-Butadiene

Concen: 2.159 ppbv

RT: 22.606 min Scan# 6221

Delta R.T. -0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

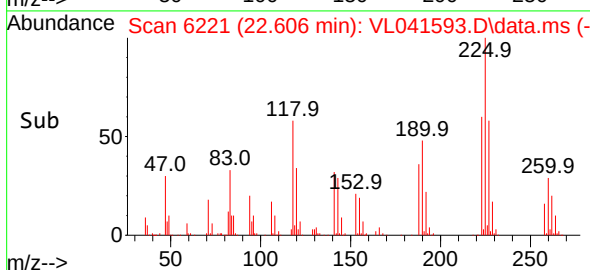
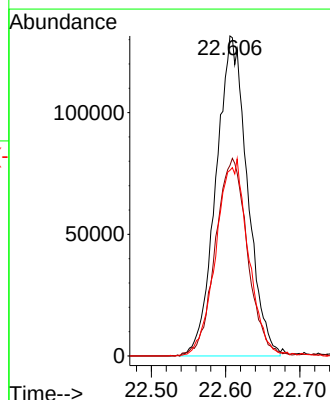
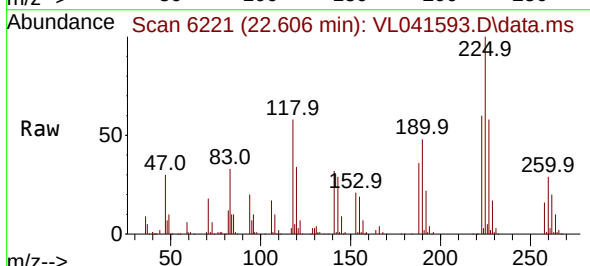
Tgt Ion:225 Resp: 387729

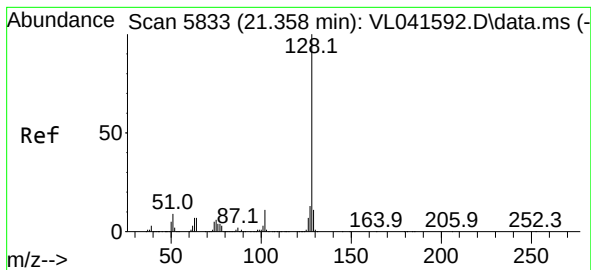
Ion Ratio Lower Upper

225 100

223 63.3 50.6 75.8

227 63.0 50.9 76.3





#79

Naphthalene

Concen: 2.297 ppbv

RT: 21.362 min Scan# 5833

Delta R.T. 0.003 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

Instrument :

MSVOA_L

ClientSampleId :

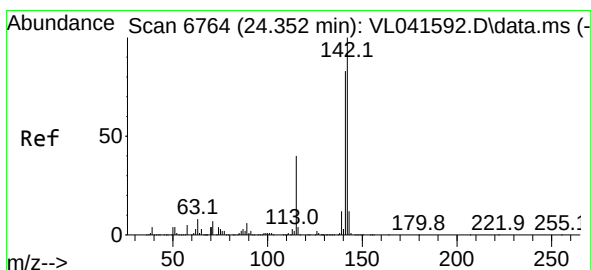
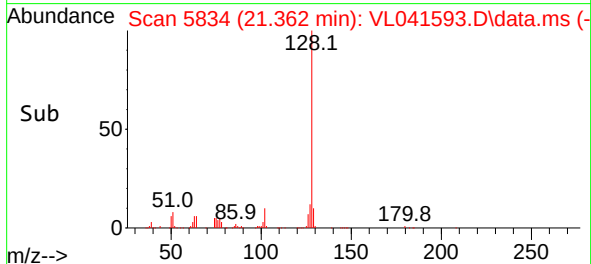
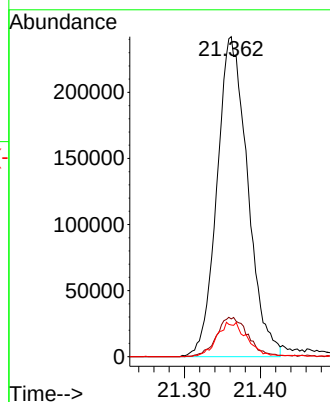
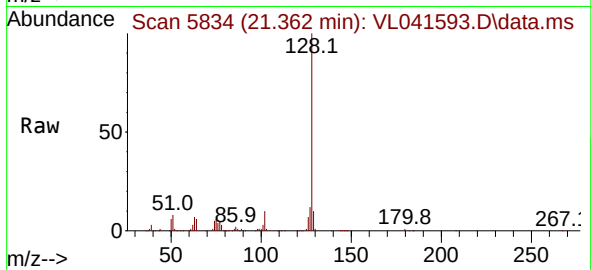
VSTDIC002

Tgt Ion:128	Resp: 67587
Ion Ratio	Lower Upper
128 100	
127 11.8	10.1 15.1
129 9.9	9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024



#80

Naphthalene,2-methyl-

Concen: 1.587 ppbv

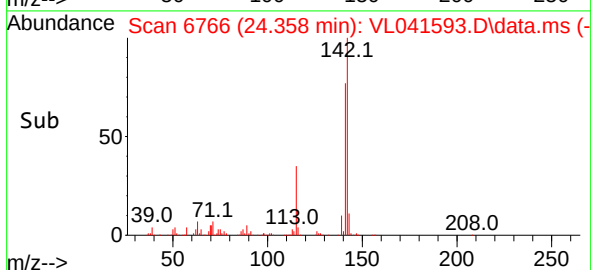
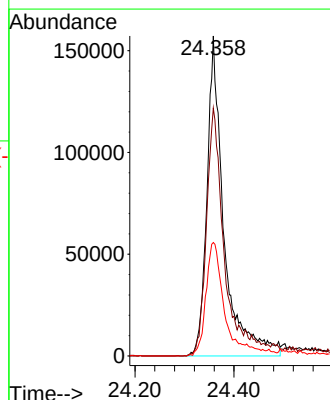
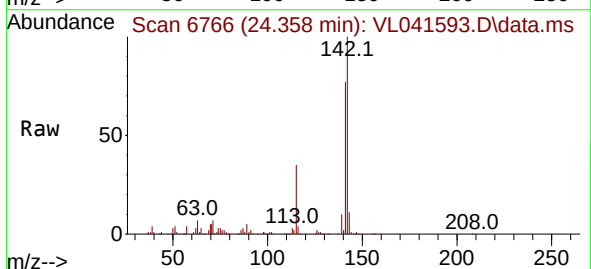
RT: 24.358 min Scan# 6766

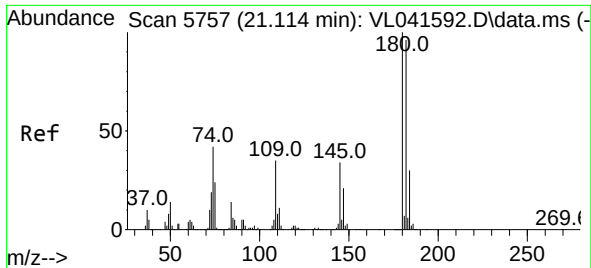
Delta R.T. 0.007 min

Lab File: VL041593.D

Acq: 16 Sep 2024 13:56

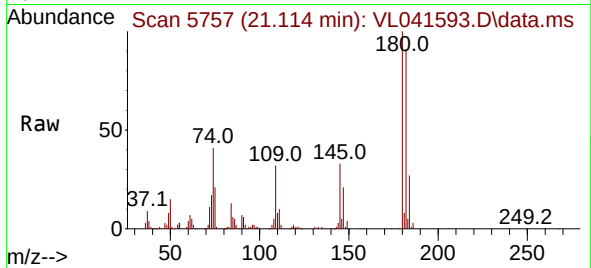
Tgt Ion:142	Resp: 374380
Ion Ratio	Lower Upper
142 100	
141 83.5	66.3 99.5
115 39.7	31.4 47.2





#81
 1,2,4-Trichlorobenzene
 Concen: 2.113 ppbv
 RT: 21.114 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041593.D
 Acq: 16 Sep 2024 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:180 Resp: 370420
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.5 114.7
 184 30.6 24.7 37.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

