

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041755.D
 Acq On : 16 Dec 2024 15:05
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:14:17 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 19 06:09:59 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	66562	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	178453	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	158571	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 132273 10.010 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	6277	0.530	ppbv	94
3) Chlorodifluoromethane	1.476	51	5587	0.515	ppbv	95
4) Chloromethane	1.531	50	2452	0.529	ppbv	90
5) Vinyl Chloride	1.580	62	2269	0.486	ppbv	97
6) Bromomethane	1.667	94	1143	0.519	ppbv #	78
7) Chloroethane	1.703	64	939	0.518	ppbv	88
8) Dichlorotetrafluoroethane	1.554	85	5699	0.538	ppbv	97
9) Propene	1.483	41	2622	0.557	ppbv #	82
10) Heptane	4.978	43	6491m	0.537	ppbv	
11) Trichlorofluoromethane	1.878	101	6594	0.524	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	4962	0.519	ppbv	96
13) Ethanol	1.719	45	269m	0.688	ppbv	
14) Bromoethene	1.781	108	1694	0.524	ppbv #	93
15) Acetone	1.836	43	8233	0.636	ppbv	97
16) 1,3-Butadiene	1.609	39	2966	0.582	ppbv	88
17) tert-Butyl alcohol	2.043	59	6654	0.518	ppbv #	91
18) 1,1-Dichloroethene	2.033	96	2022	0.504	ppbv	96
19) Isopropyl Alcohol	1.884	45	5687	0.732	ppbv #	39
20) Methylene Chloride	2.062	84	2174	0.589	ppbv #	91
21) Allyl Chloride	2.098	41	3354	0.478	ppbv	86
22) trans-1,2-Dichloroethene	2.341	96	2494	0.543	ppbv	83
23) Vinyl Acetate	2.464	43	2599	0.462	ppbv #	98
24) 1,1-Dichloroethane	2.409	63	4854	0.522	ppbv #	97
25) Ethyl Acetate	2.839	43	12040	0.497	ppbv #	97
26) Hexane	2.829	57	4735	0.518	ppbv	96
27) Carbon Disulfide	2.153	76	3409	0.414	ppbv #	37
28) Methyl tert-Butyl Ether	2.441	73	3438	0.464	ppbv	99
29) Chloroform	2.849	83	7172	0.515	ppbv	98
30) Cyclohexane	3.859	84	4051	0.521	ppbv	96
31) cis-1,2-Dichloroethene	2.723	61	4758	0.504	ppbv	91
32) 1,1,1-Trichloroethane	3.367	97	7182	0.518	ppbv	99
34) 2-Butanone	2.557	43	7756	0.540	ppbv	94
35) Carbon Tetrachloride	3.765	117	5655	0.446	ppbv	90
36) Benzene	3.658	78	9629	0.522	ppbv	97
37) 1,2-Dichloroethane	3.218	62	6154	0.536	ppbv	99
38) Trichloroethene	4.551	130	3637m	0.468	ppbv	
39) 1,2-Dichloropropane	4.318	63	3410m	0.511	ppbv	
40) 1,4-Dioxane	4.606	88	1892m	0.580	ppbv	
41) Tetrahydrofuran	3.066	42	4061	0.505	ppbv	99
42) Bromodichloromethane	4.490	83	5926m	0.448	ppbv	
43) Methyl Methacrylate	4.881	69	3322	0.472	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	16294m	0.517	ppbv	
45) t-1,3-Dichloropropene	6.422	75	3406m	0.468	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041755.D
 Acq On : 16 Dec 2024 15:05
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

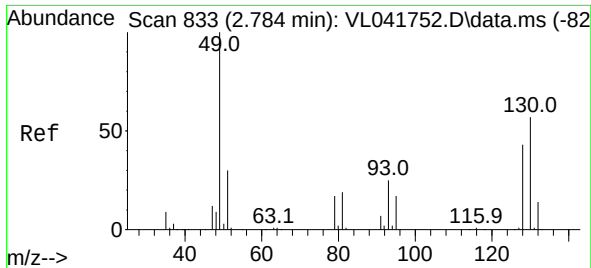
Quant Time: Dec 19 06:14:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	4462m	0.483	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	3636m	0.521	ppbv	
48) Dibromochloromethane	7.387	129	3865	0.406	ppbv	99
49) Bromoform	9.484	173	2928m	0.376	ppbv	
50) 4-Methyl-2-Pentanone	5.765	43	9479m	0.485	ppbv	
51) 2-Hexanone	7.451	43	7412	0.468	ppbv #	99
52) Tetrachloroethene	8.225	164	3091	0.450	ppbv #	78
53) Toluene	6.933	91	10554	0.504	ppbv	99
54) 1,2-Dibromoethane	7.658	107	4819m	0.502	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.930	131	3858m	0.459	ppbv	
57) Chlorobenzene	8.927	112	8346m	0.514	ppbv	
58) Ethyl Benzene	9.358	91	13428	0.470	ppbv	97
59) m/p-Xylene	9.552	91	22560m	0.983	ppbv	
60) o-Xylene	9.963	91	10954	0.476	ppbv	98
61) Styrene	9.869	104	4314	0.433	ppbv	94
62) Isopropylbenzene	10.542	105	16953	0.490	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.966	83	7559	0.525	ppbv	98
64) n-propylbenzene	10.989	120	4126	0.472	ppbv	92
65) tert-Butylbenzene	11.529	119	15569	0.499	ppbv	99
66) Benzyl Chloride	11.620	91	1340m	0.487	ppbv	
67) sec-Butylbenzene	11.769	105	21263	0.492	ppbv	96
69) p-Isopropyltoluene	11.928	119	17041	0.479	ppbv	99
70) n-Butylbenzene	12.284	91	15671	0.456	ppbv	99
71) 2-Chlorotoluene	10.902	91	13000	0.492	ppbv	97
72) 4-Ethyltoluene	11.128	105	13324	0.491	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	10497	0.466	ppbv	91
74) 1,2,4-Trimethylbenzene	11.536	105	11070	0.457	ppbv #	76
75) 1,3-Dichlorobenzene	11.604	146	8107	0.525	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	7893	0.517	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	7997	0.538	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	6232	0.565	ppbv	98
79) Naphthalene	13.517	128	7360	0.436	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	748	0.143	ppbv	94
81) 1,2,4-Trichlorobenzene	13.442	180	4248	0.460	ppbv	93

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



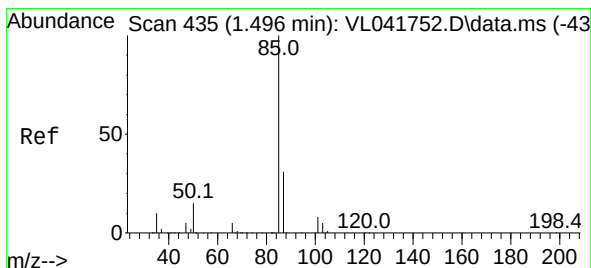
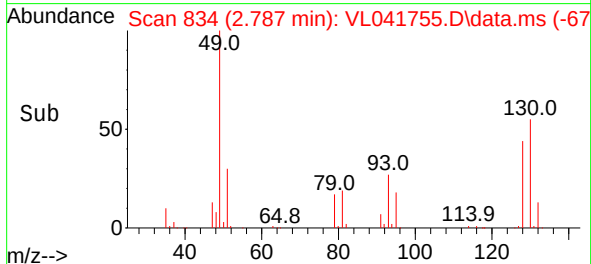
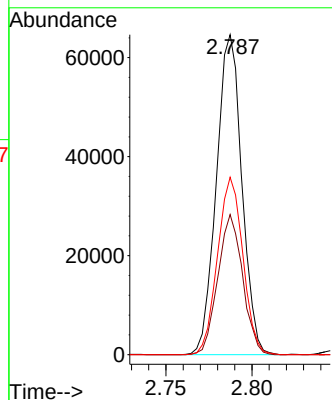
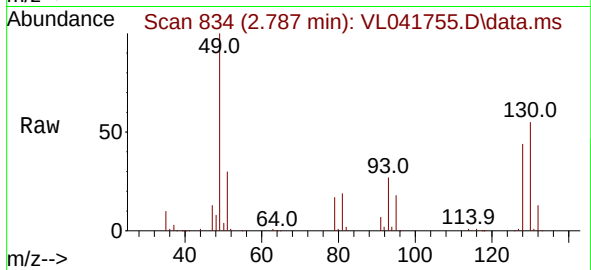
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 66562
Ion Ratio Lower Upper
49 100
128 42.6 21.6 64.6
130 55.1 28.3 85.0

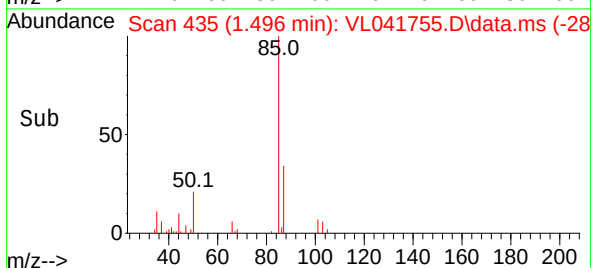
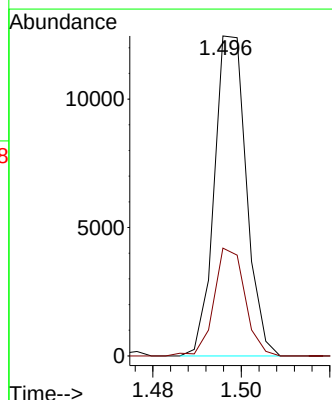
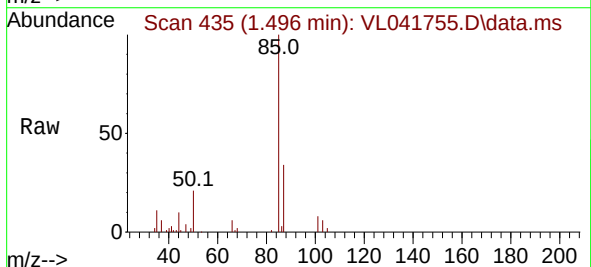
Manual Integrations
APPROVED

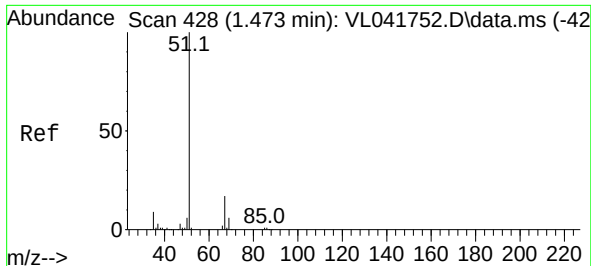
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#2
Dichlorodifluoromethane
Concen: 0.530 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 85 Resp: 6277
Ion Ratio Lower Upper
85 100
87 33.7 24.5 36.7





#3

Chlorodifluoromethane

Concen: 0.515 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 51 Resp: 558

Ion Ratio Lower Upper

51 100

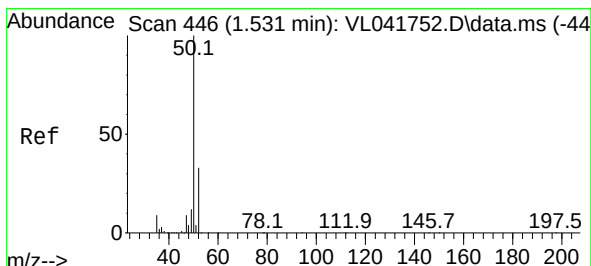
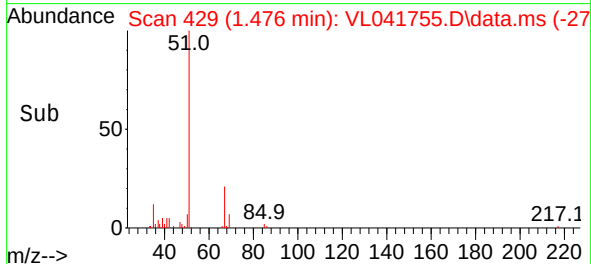
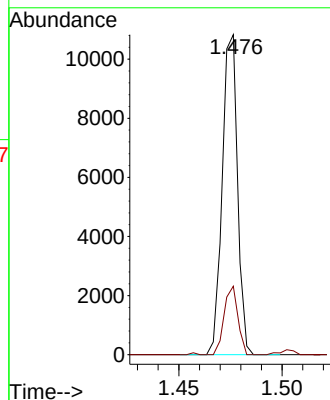
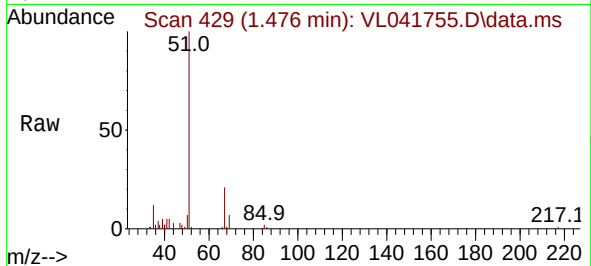
67 21.0 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#4

Chloromethane

Concen: 0.529 ppbv

RT: 1.531 min Scan# 446

Delta R.T. -0.000 min

Lab File: VL041755.D

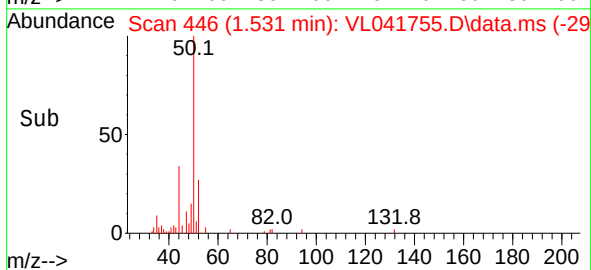
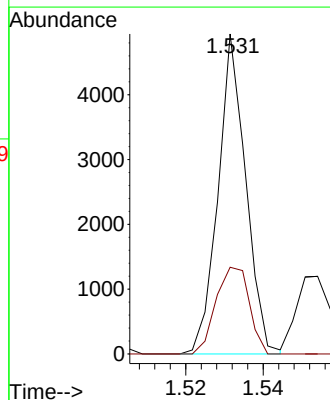
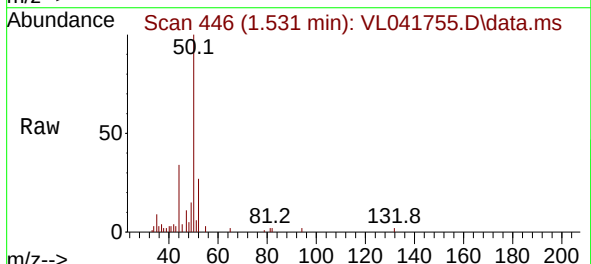
Acq: 16 Dec 2024 15:05

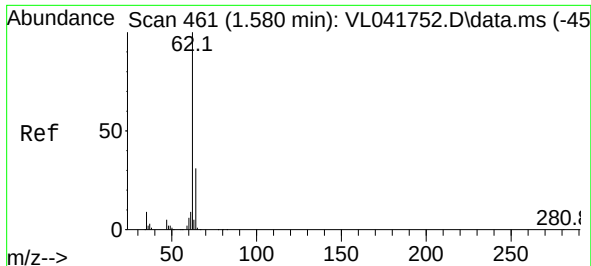
Tgt Ion: 50 Resp: 2452

Ion Ratio Lower Upper

50 100

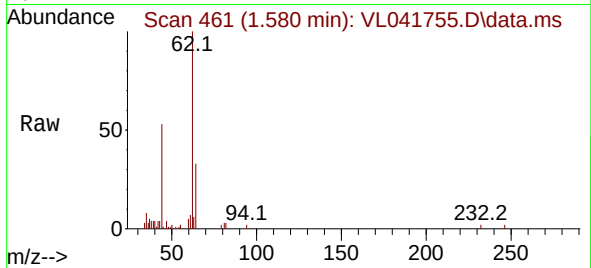
52 27.1 26.2 39.2





#5
 Vinyl Chloride
 Concen: 0.486 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

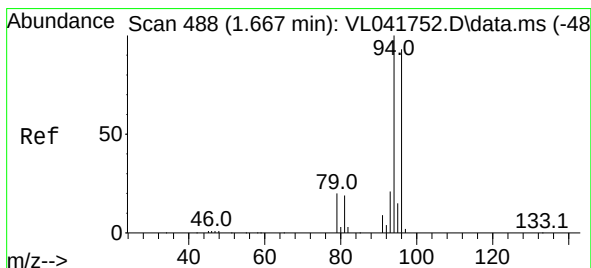
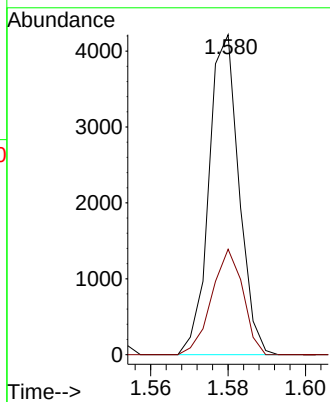
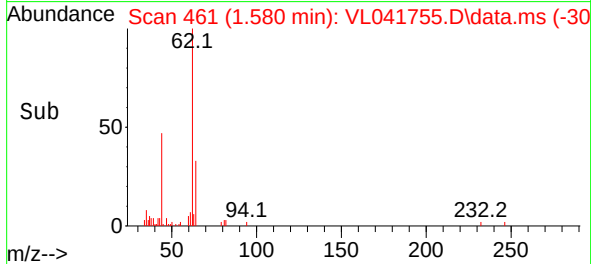
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 2269
 Ion Ratio Lower Upper
 62 100
 64 32.9 25.1 37.7

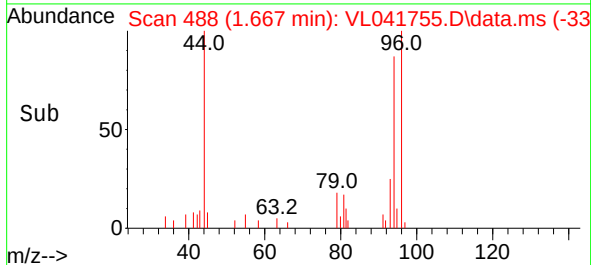
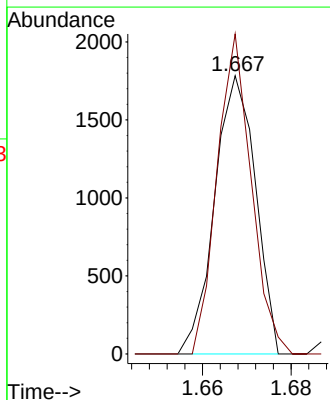
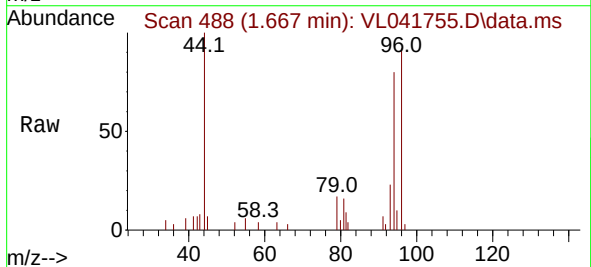
Manual Integrations
 APPROVED

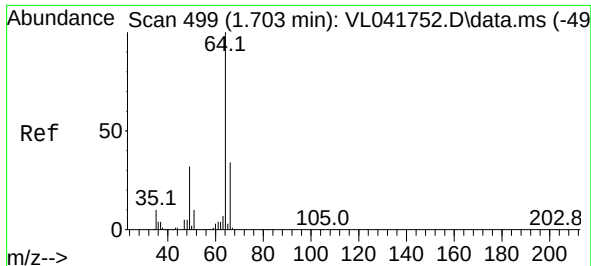
Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#6
 Bromomethane
 Concen: 0.519 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

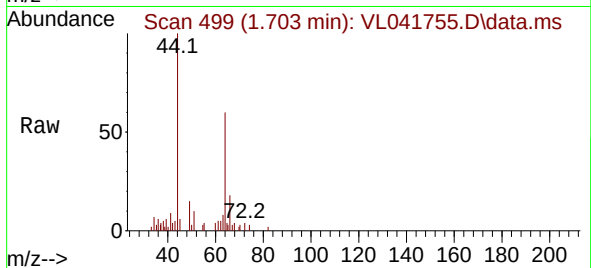
Tgt Ion: 94 Resp: 1143
 Ion Ratio Lower Upper
 94 100
 96 115.0 74.7 112.1#





#7
Chloroethane
Concen: 0.518 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

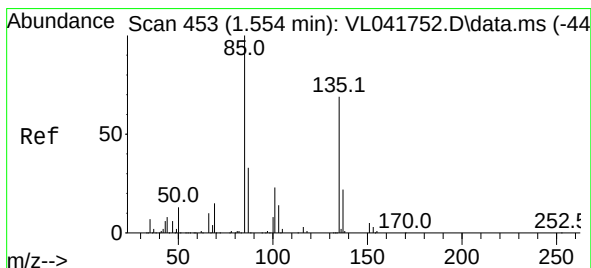
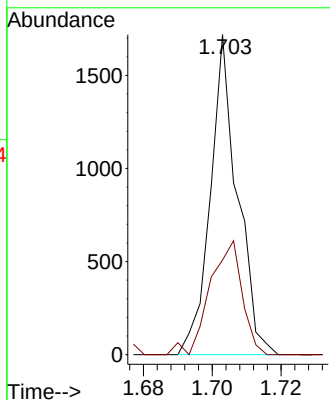
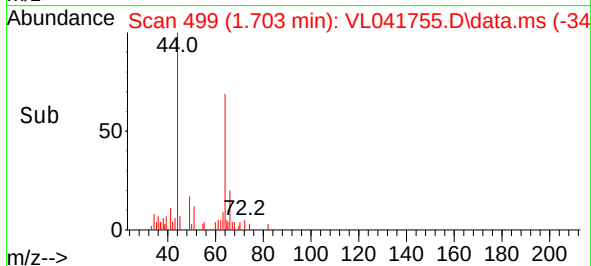
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 64 Resp: 939
Ion Ratio Lower Upper
64 100
66 27.6 27.5 41.3

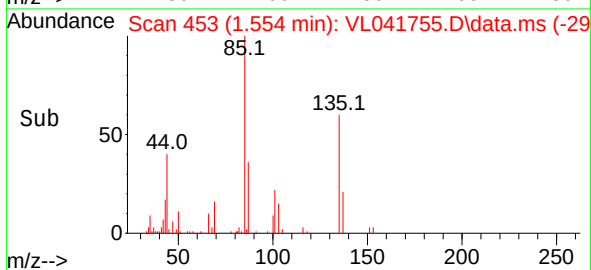
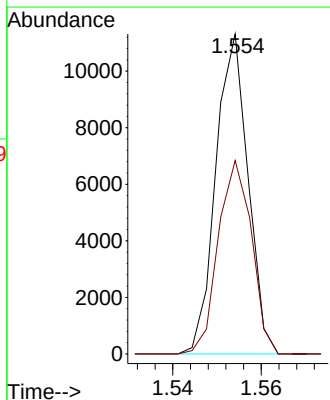
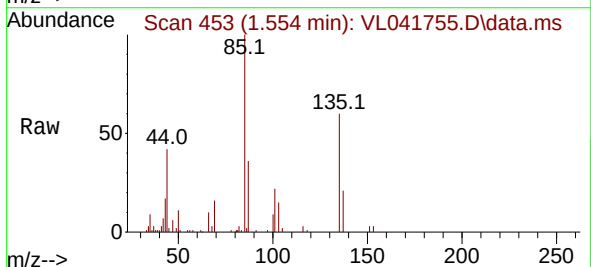
Manual Integrations
APPROVED

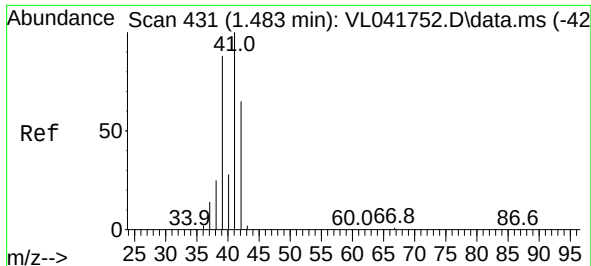
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#8
Dichlorotetrafluoroethane
Concen: 0.538 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 85 Resp: 5699
Ion Ratio Lower Upper
85 100
135 62.8 51.9 77.9





#9

Propene

Concen: 0.557 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 41 Resp: 262

Ion Ratio Lower Upper

41 100

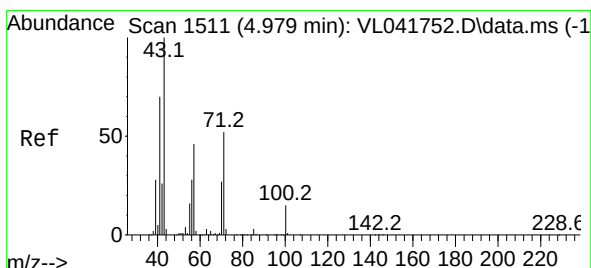
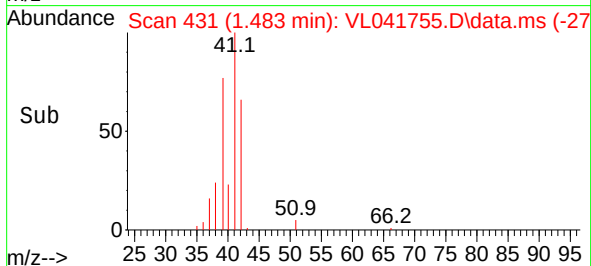
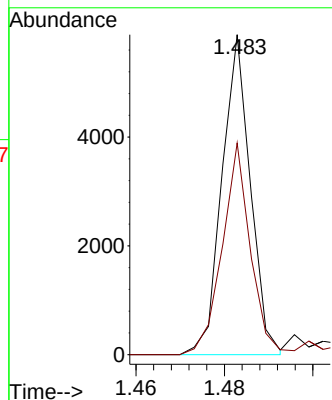
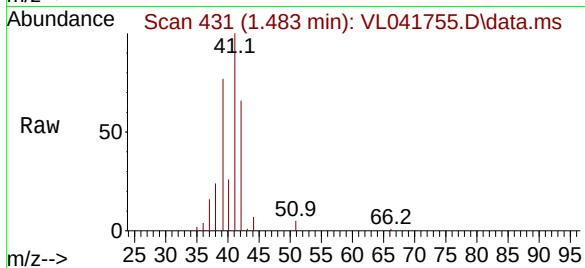
42 79.6 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#10

Heptane

Concen: 0.537 ppbv m

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL041755.D

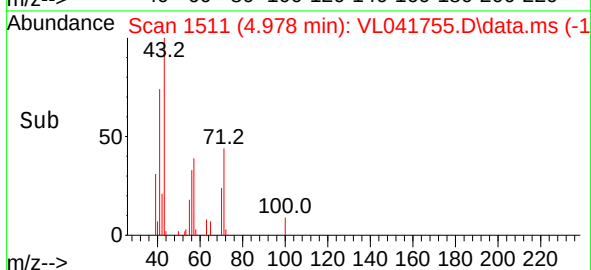
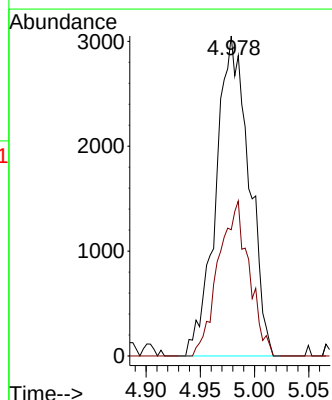
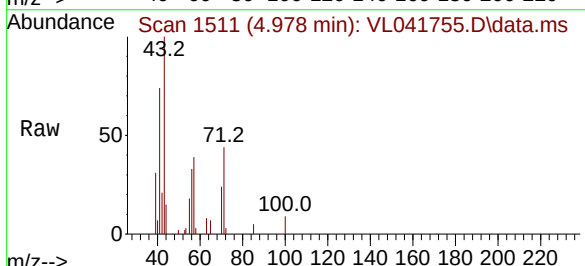
Acq: 16 Dec 2024 15:05

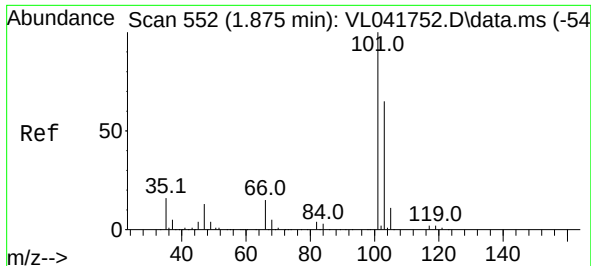
Tgt Ion: 43 Resp: 6491

Ion Ratio Lower Upper

43 100

57 44.7 38.5 57.7





#11

Trichlorofluoromethane

Concen: 0.524 ppbv

RT: 1.878 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:101 Resp: 6594

Ion Ratio Lower Upper

101 100

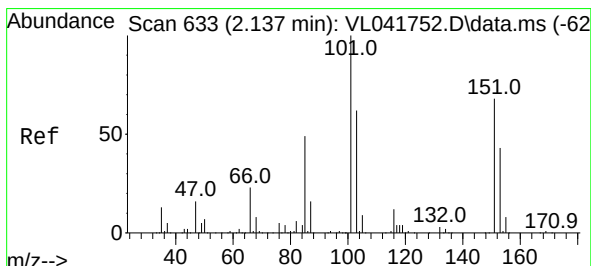
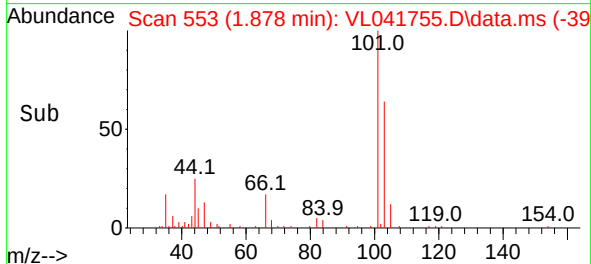
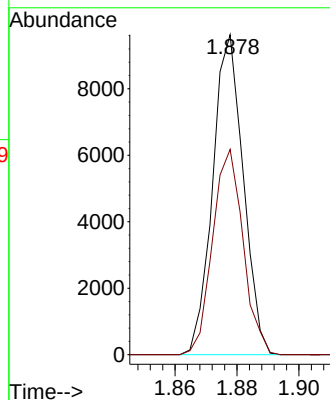
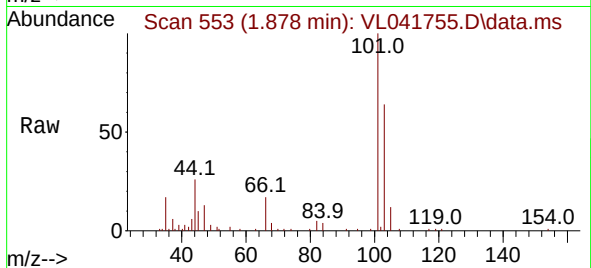
103 64.2 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.519 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.003 min

Lab File: VL041755.D

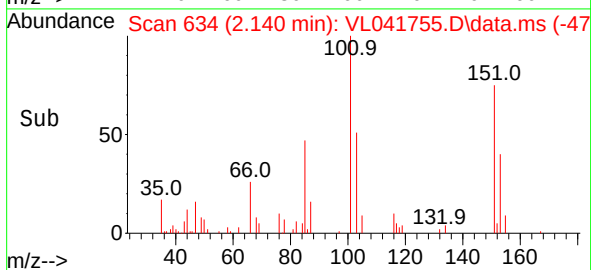
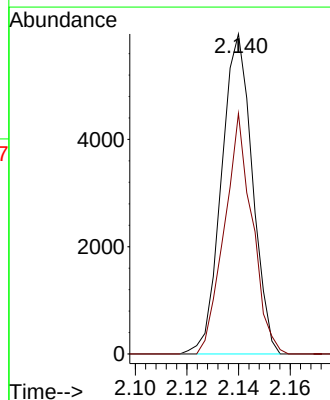
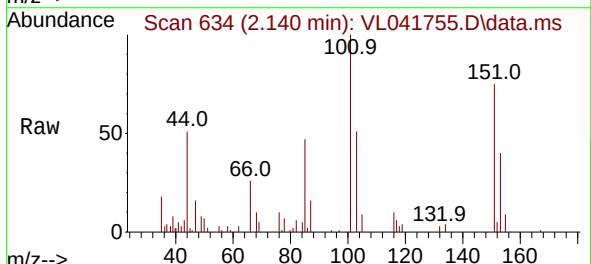
Acq: 16 Dec 2024 15:05

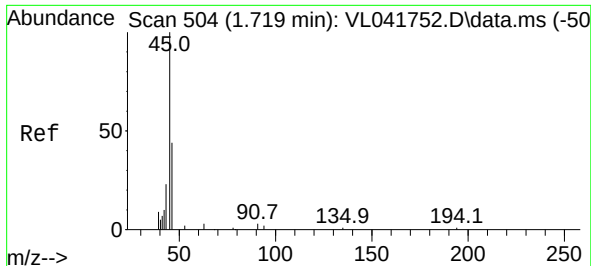
Tgt Ion:101 Resp: 4962

Ion Ratio Lower Upper

101 100

151 67.9 56.8 85.2





#13

Ethanol

Concen: 0.688 ppbv m

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 45 Resp: 269

Ion Ratio Lower Upper

45 100

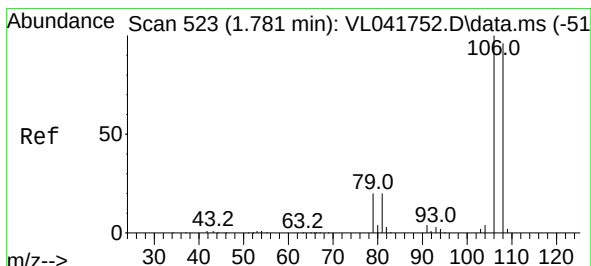
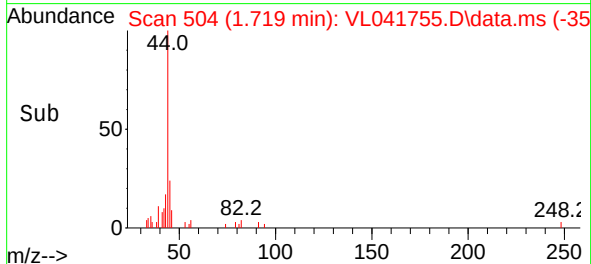
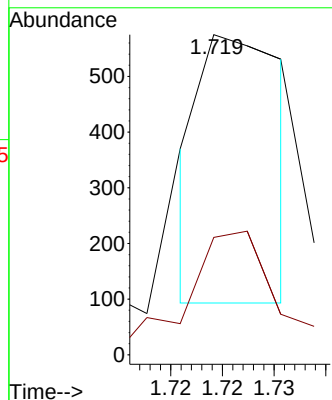
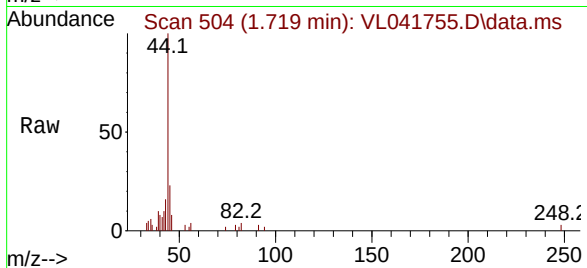
46 61.7 16.4 65.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#14

Bromoethene

Concen: 0.524 ppbv

RT: 1.781 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

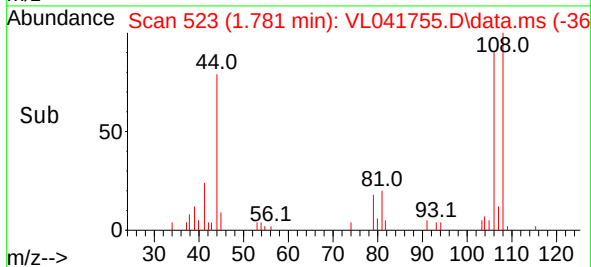
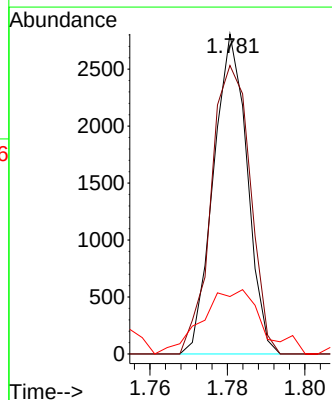
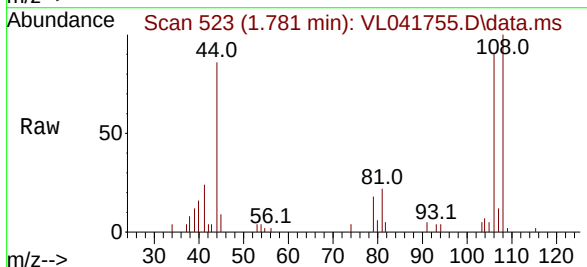
Tgt Ion:108 Resp: 1694

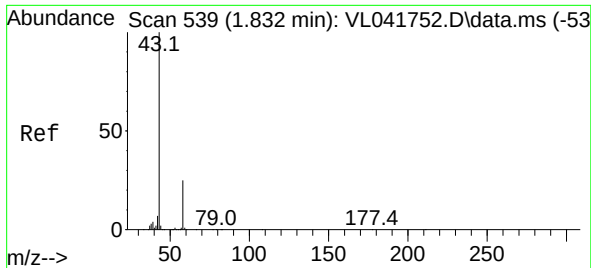
Ion Ratio Lower Upper

108 100

106 105.1 84.1 126.1

79 41.4 17.4 26.0#





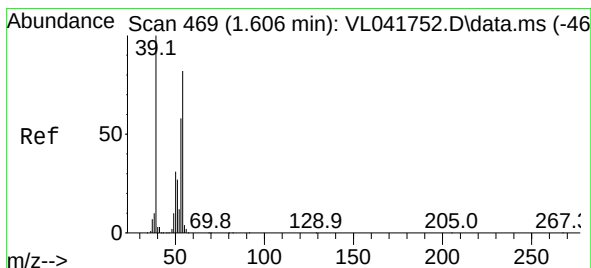
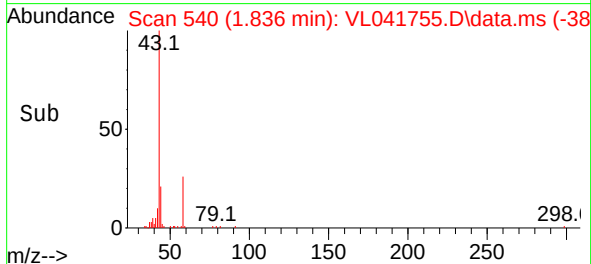
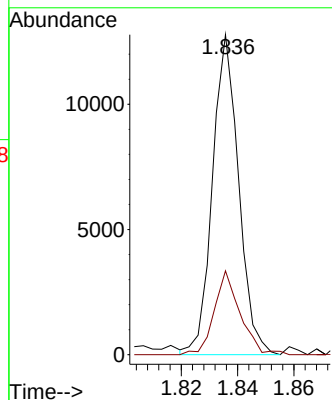
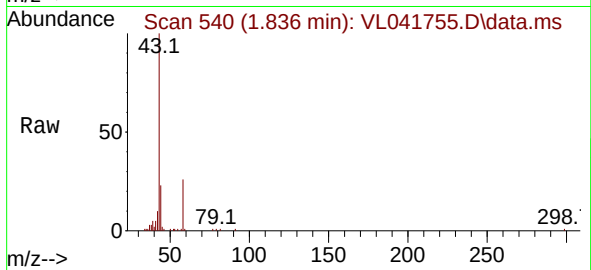
#15
Acetone
Concen: 0.636 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
58 26.0 19.7 29.5

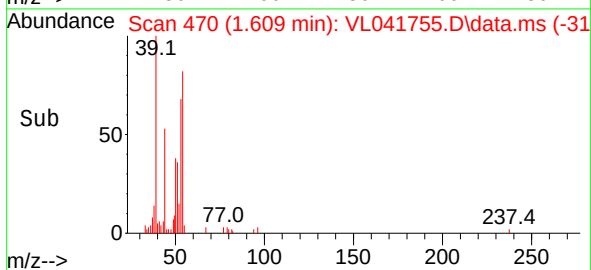
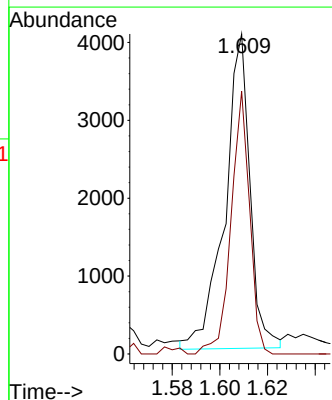
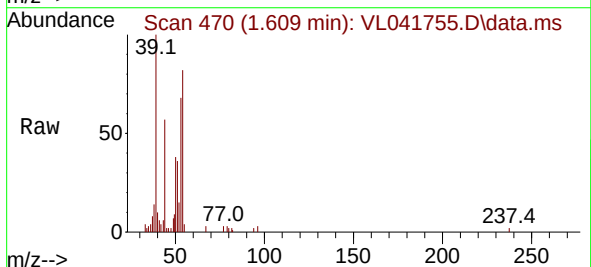
Manual Integrations
APPROVED

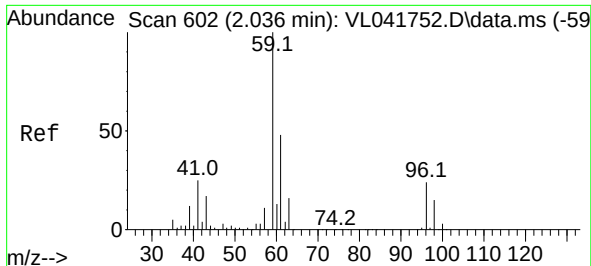
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#16
1,3-Butadiene
Concen: 0.582 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 39 Resp: 2966
Ion Ratio Lower Upper
39 100
54 62.8 58.4 87.6





#17

tert-Butyl alcohol

Concen: 0.518 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 59 Resp: 665

Ion Ratio Lower Upper

59 100

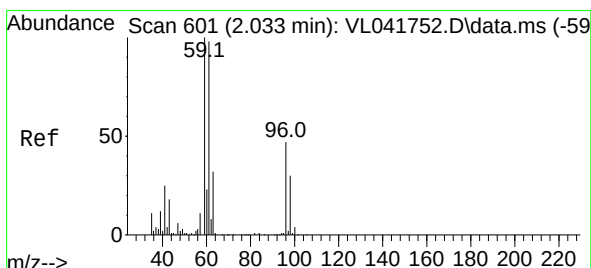
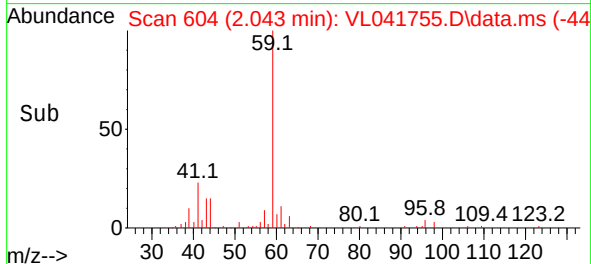
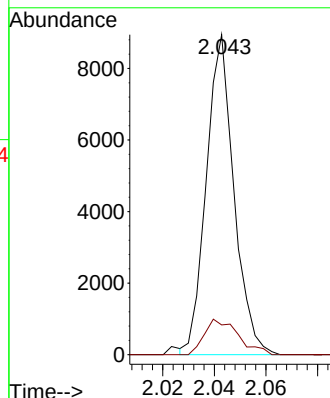
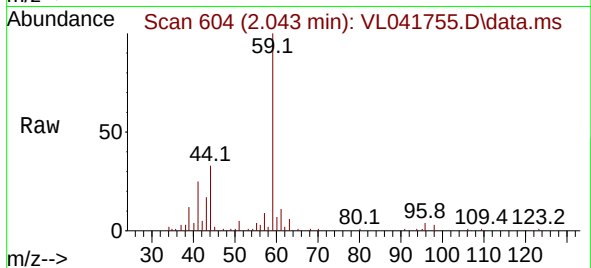
57 14.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#18

1,1-Dichloroethene

Concen: 0.504 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

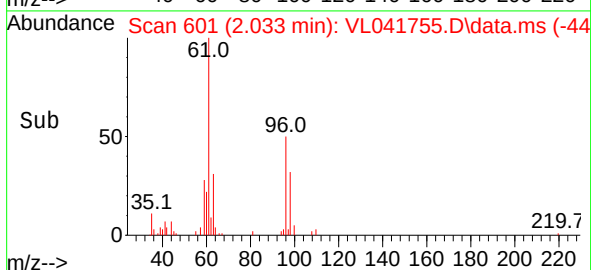
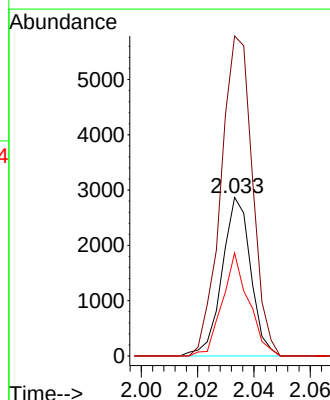
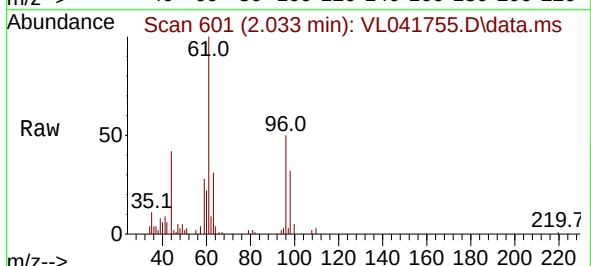
Tgt Ion: 96 Resp: 2022

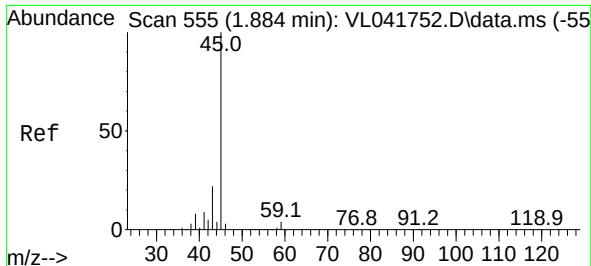
Ion Ratio Lower Upper

96 100

61 201.9 167.7 251.5

98 65.1 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.732 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 45 Resp: 568

Ion Ratio Lower Upper

45 100

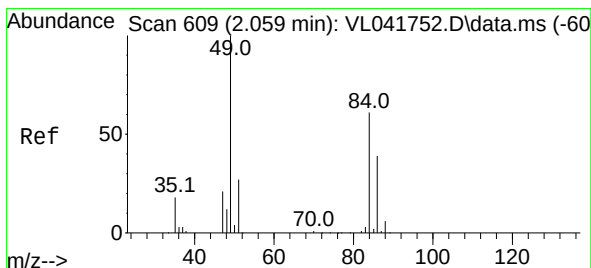
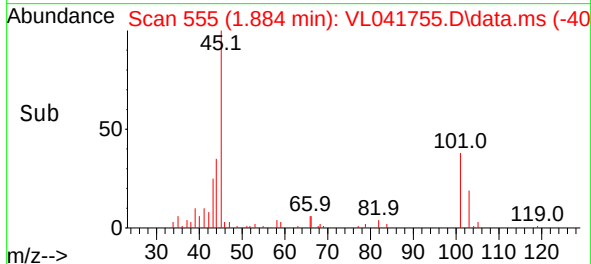
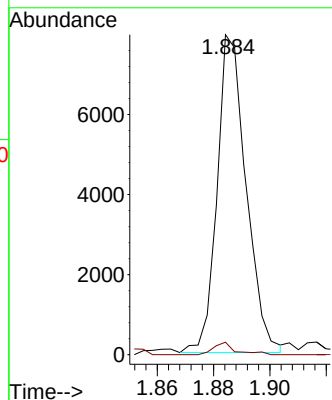
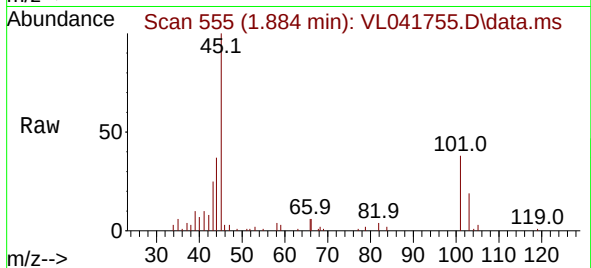
58 2.9 33.3 49.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#20

Methylene Chloride

Concen: 0.589 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 84 Resp: 2174

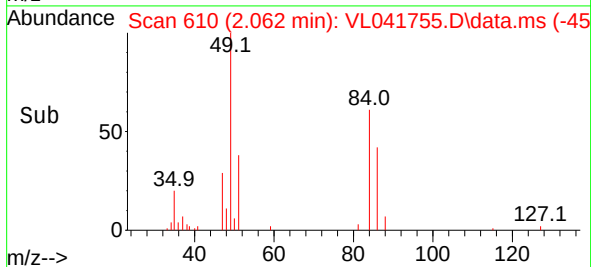
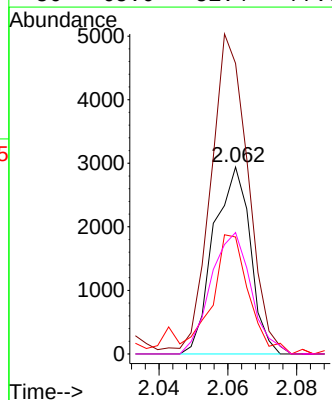
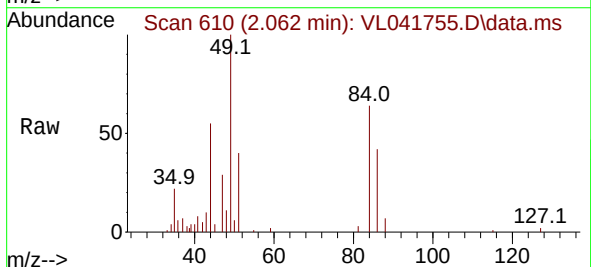
Ion Ratio Lower Upper

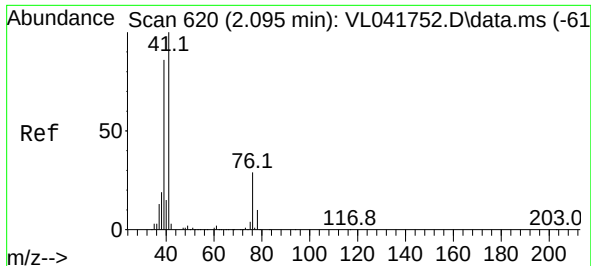
84 100

49 152.6 132.6 198.8

51 57.2 37.6 56.4

86 65.0 51.4 77.0





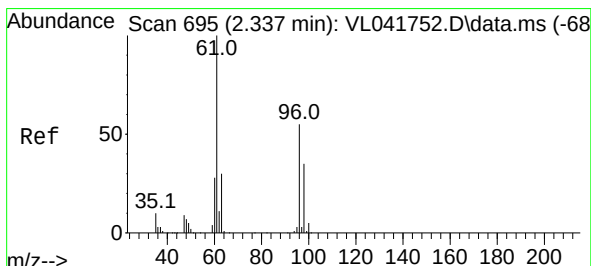
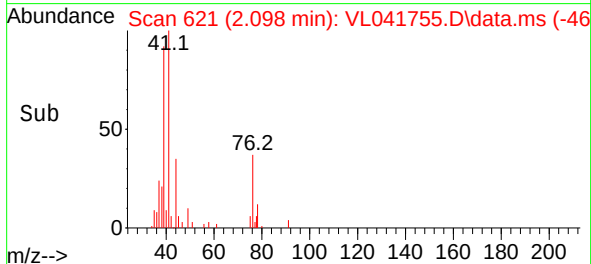
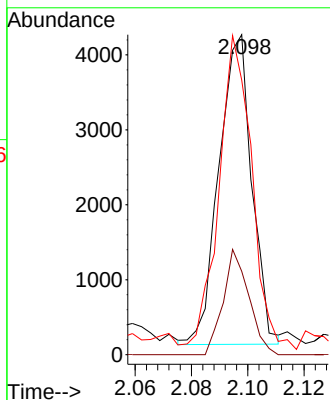
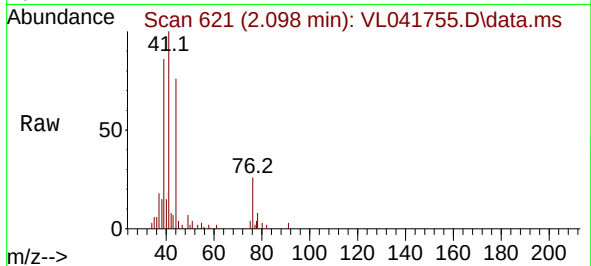
#21
 Allyl Chloride
 Concen: 0.478 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 335
 Ion Ratio Lower Upper
 41 100
 76 26.5 22.3 33.5
 39 102.6 69.2 103.8

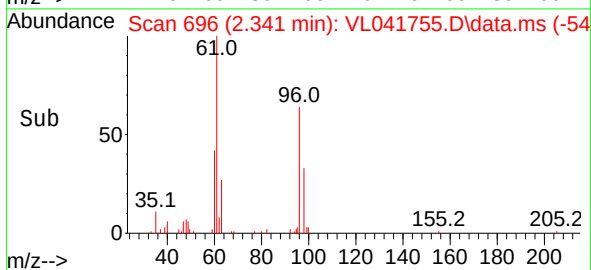
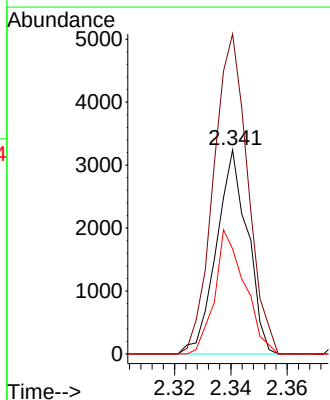
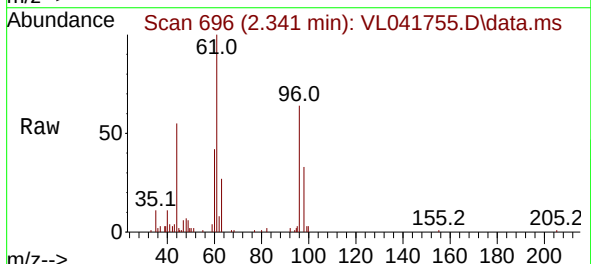
Manual Integrations
 APPROVED

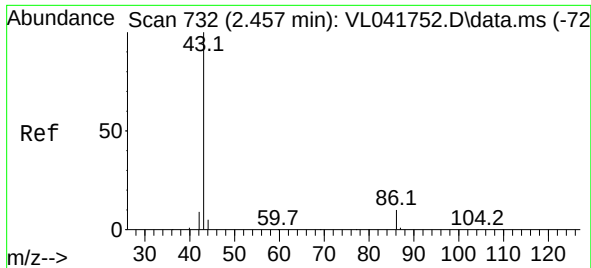
Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#22
 trans-1,2-Dichloroethene
 Concen: 0.543 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion: 96 Resp: 2494
 Ion Ratio Lower Upper
 96 100
 61 156.8 146.3 219.5
 98 51.6 50.8 76.2





#23
 Vinyl Acetate
 Concen: 0.462 ppbv
 RT: 2.464 min Scan# 716
 Delta R.T. 0.006 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_1

ClientSampleId :

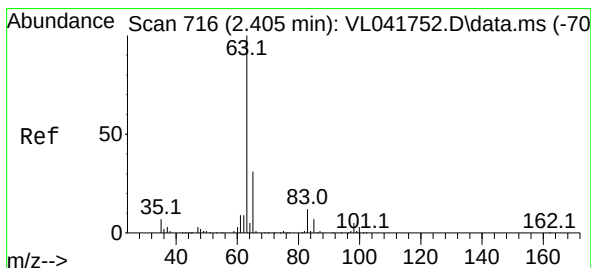
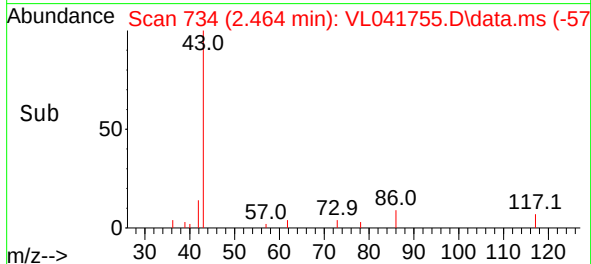
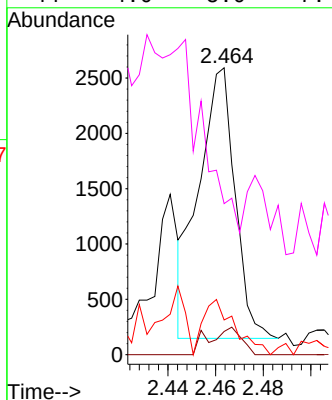
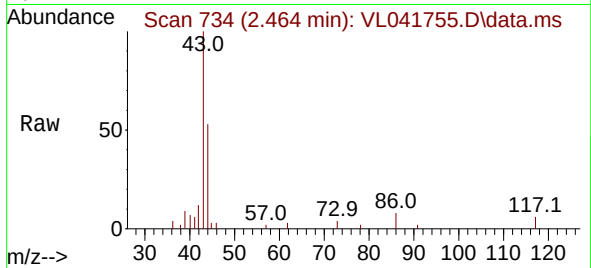
VSTDICC0.5

Tgt Ion: 43 Resp: 2599
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.6 10.0
 42 10.2 8.2 12.2
 44 4.0 5.0 7.4#

Manual Integrations

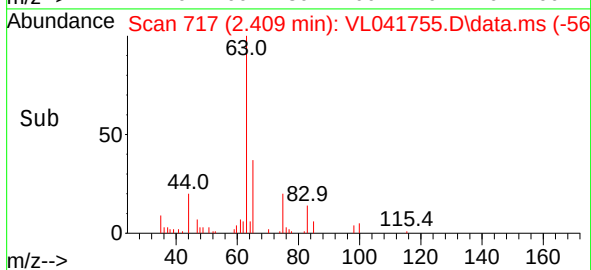
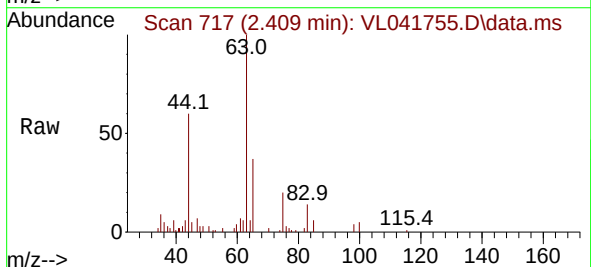
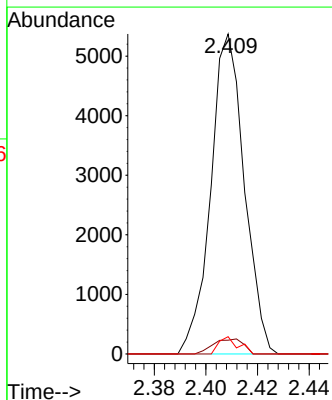
APPROVED

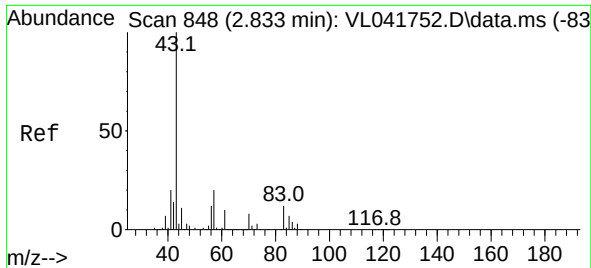
Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#24
 1,1-Dichloroethane
 Concen: 0.522 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

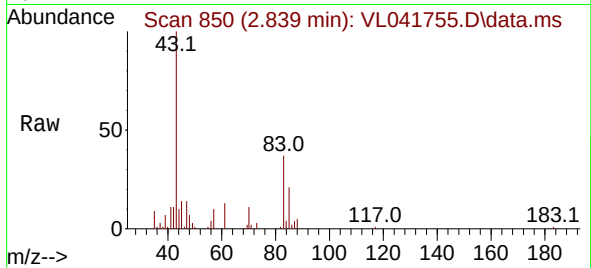
Tgt Ion: 63 Resp: 4854
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.3 6.8
 100 5.4 1.4 4.2#





#25
Ethyl Acetate
Concen: 0.497 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

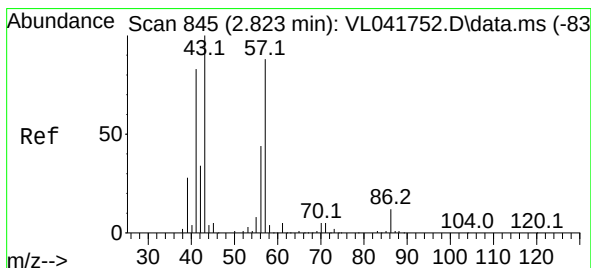
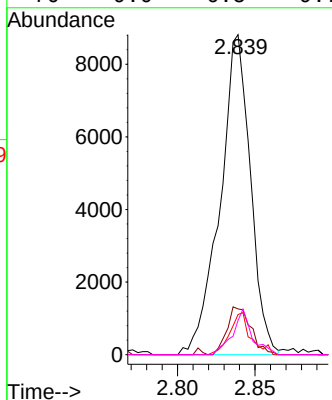
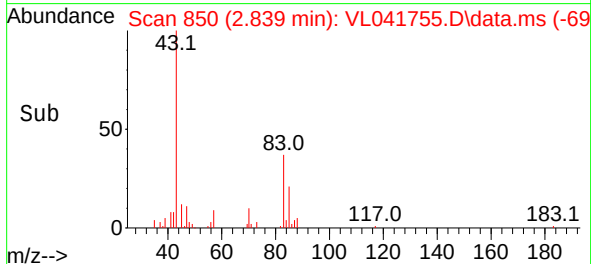
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 12040
Ion Ratio Lower Upper
43 100
45 12.2 8.1 12.1
61 9.0 7.0 10.6
70 9.0 6.5 9.7

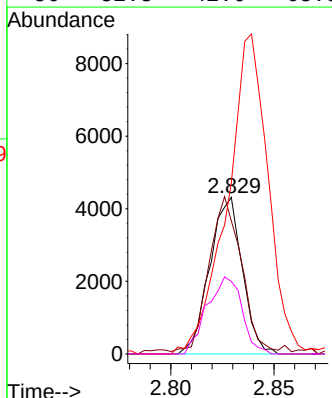
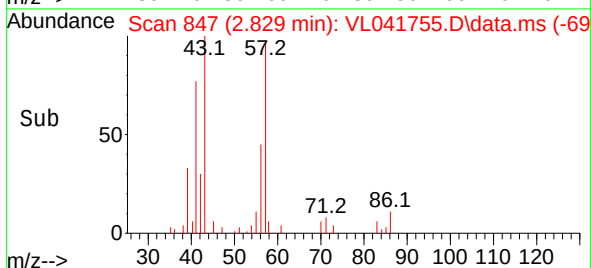
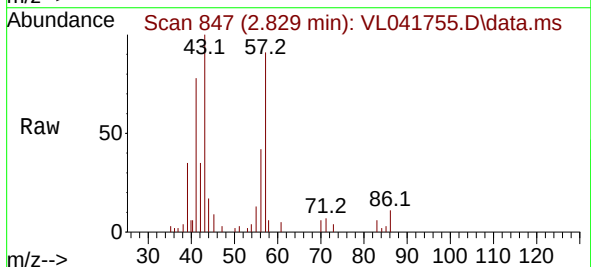
Manual Integrations
APPROVED

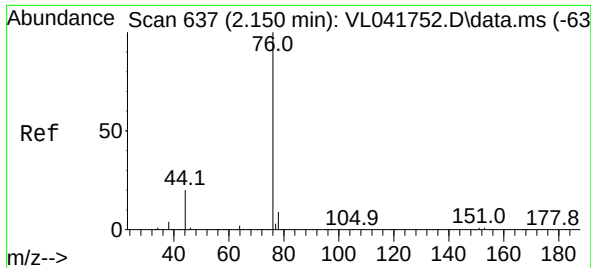
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#26
Hexane
Concen: 0.518 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 57 Resp: 4735
Ion Ratio Lower Upper
57 100
41 106.1 79.6 119.4
43 258.2 211.0 316.6
56 52.8 42.6 63.8





#27

Carbon Disulfide

Concen: 0.414 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041755.D

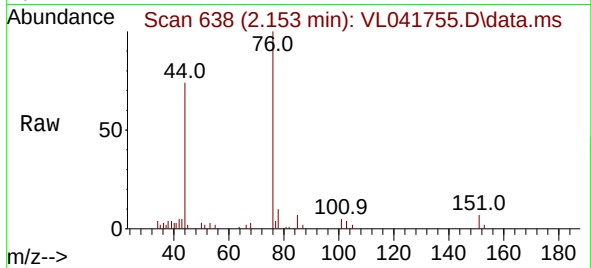
Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



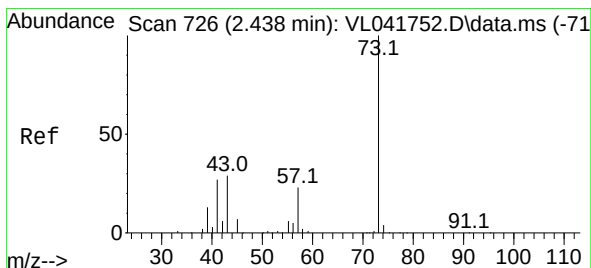
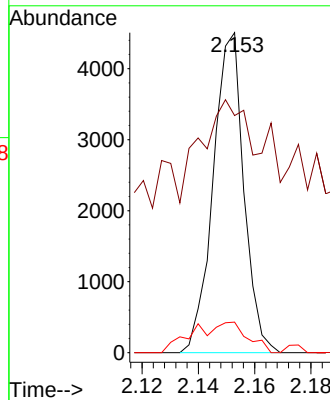
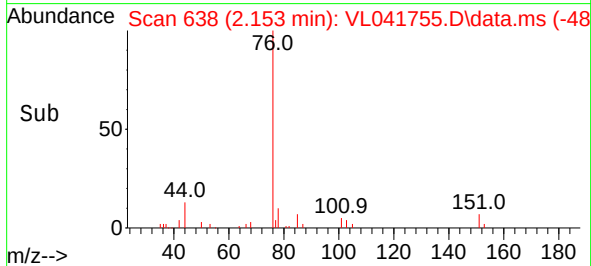
Tgt Ion: 76 Resp: 3409

Ion	Ratio	Lower	Upper
76	100		
44	65.5	17.6	26.4
78	18.2	10.2	15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#28

Methyl tert-Butyl Ether

Concen: 0.464 ppbv

RT: 2.441 min Scan# 727

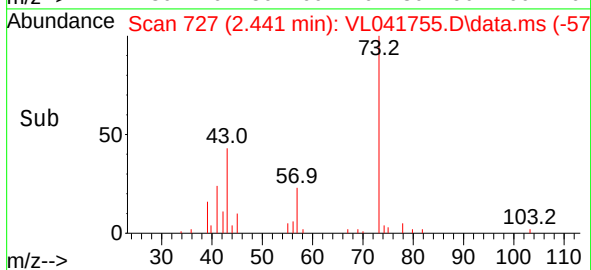
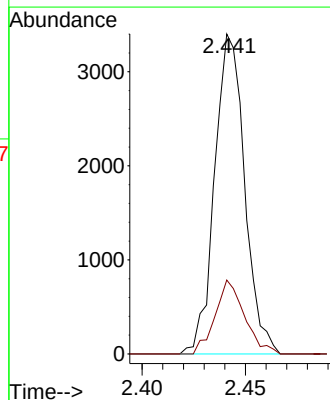
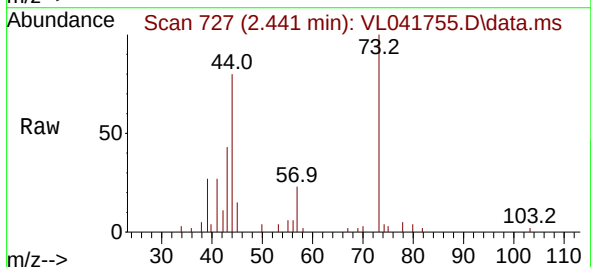
Delta R.T. 0.003 min

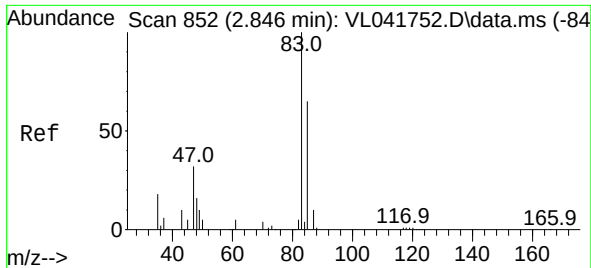
Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion: 73 Resp: 3438

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.6	26.4





#29

Chloroform

Concen: 0.515 ppbv

RT: 2.849 min Scan# 852

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 7172

Ion Ratio Lower Upper

83 100

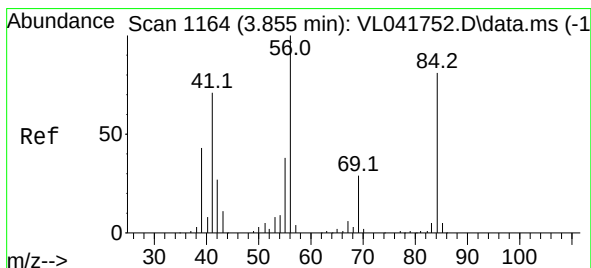
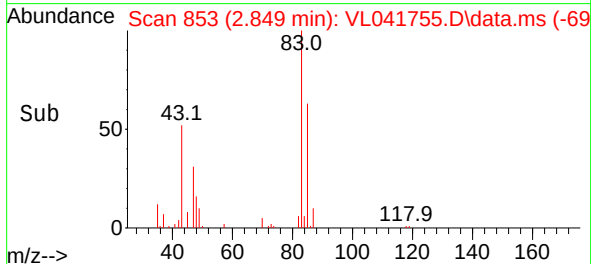
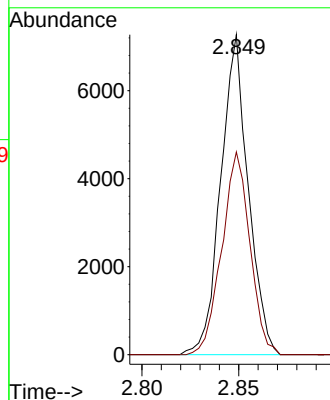
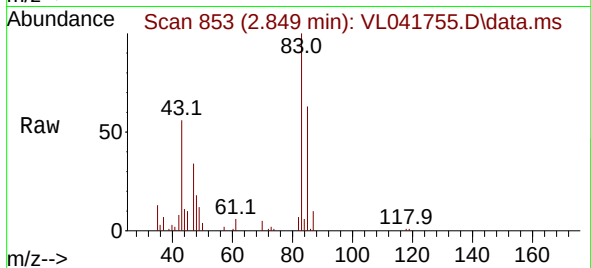
85 63.3 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#30

Cyclohexane

Concen: 0.521 ppbv

RT: 3.859 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

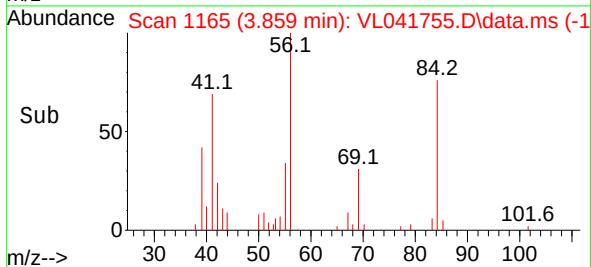
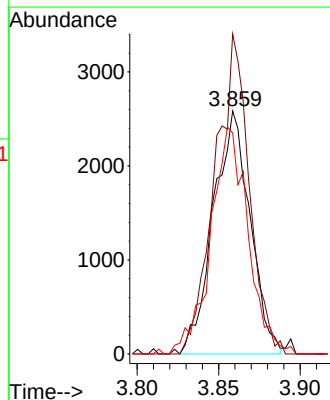
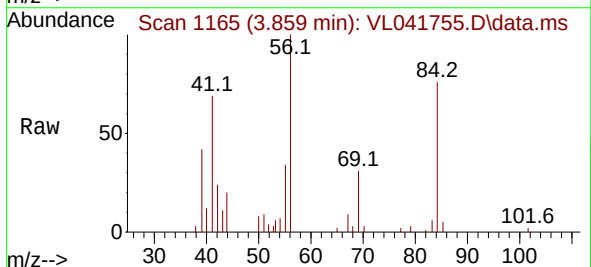
Tgt Ion: 84 Resp: 4051

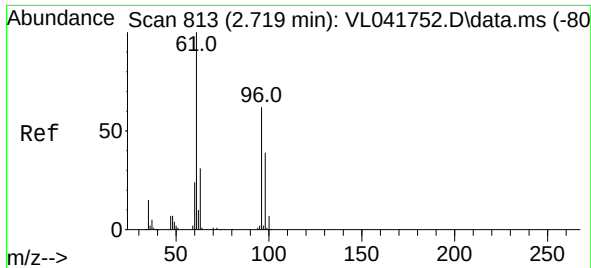
Ion Ratio Lower Upper

84 100

56 122.5 102.3 153.5

41 94.8 74.0 111.0





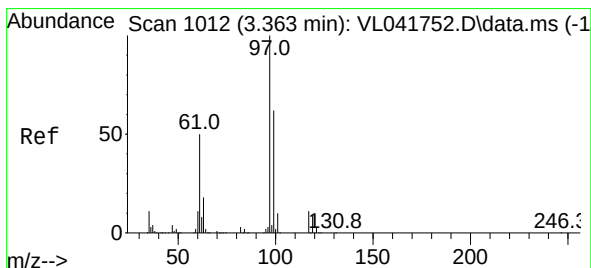
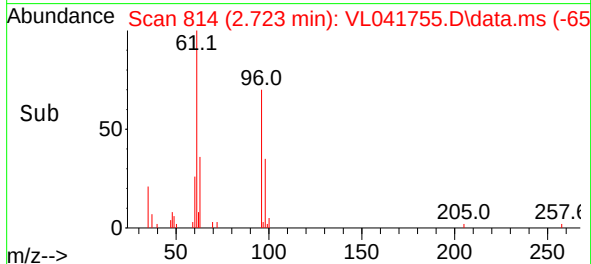
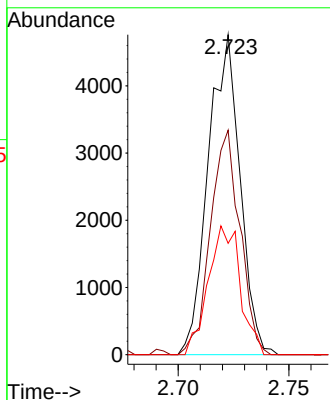
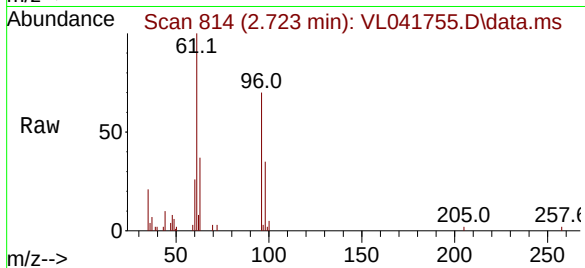
#31
 cis-1,2-Dichloroethene
 Concen: 0.504 ppbv
 RT: 2.723 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 61 Resp: 4758
 Ion Ratio Lower Upper
 61 100
 96 70.2 49.7 74.5
 98 34.8 30.8 46.2

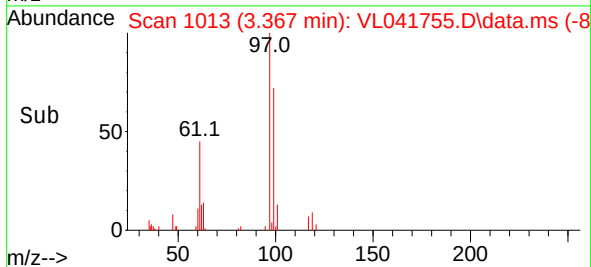
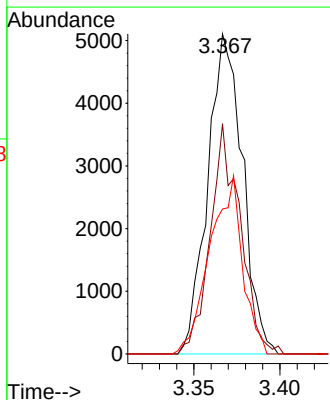
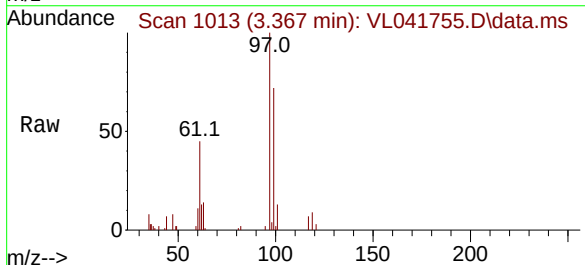
Manual Integrations
 APPROVED

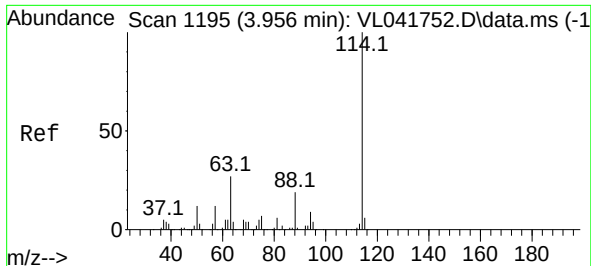
Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#32
 1,1,1-Trichloroethane
 Concen: 0.518 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Tgt Ion: 97 Resp: 7182
 Ion Ratio Lower Upper
 97 100
 99 62.2 51.0 76.4
 61 52.1 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

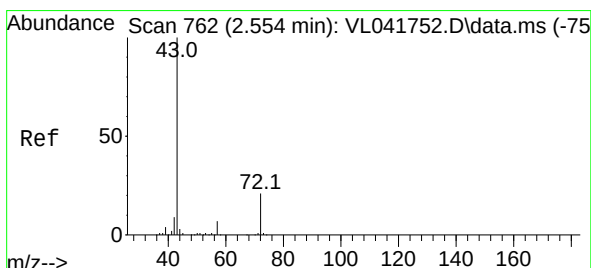
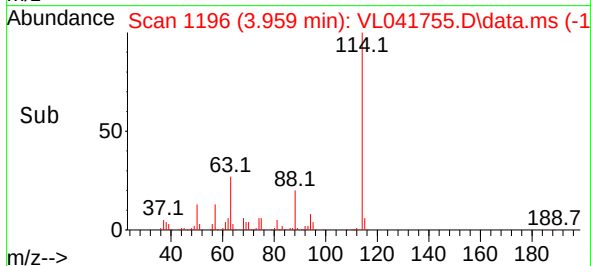
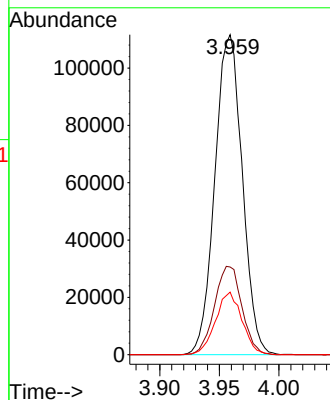
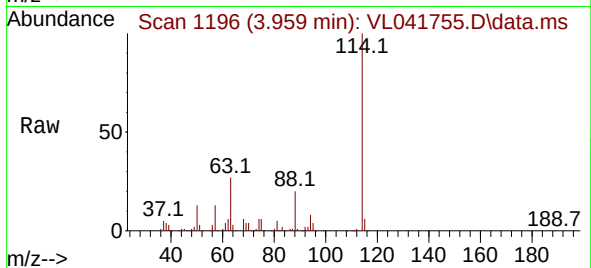
VSTDICC0.5

Tgt Ion:	114	Resp:	17845
Ion Ratio	Lower	Upper	
114	100		
63	27.6	21.8	32.8
88	18.9	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#34

2-Butanone

Concen: 0.540 ppbv

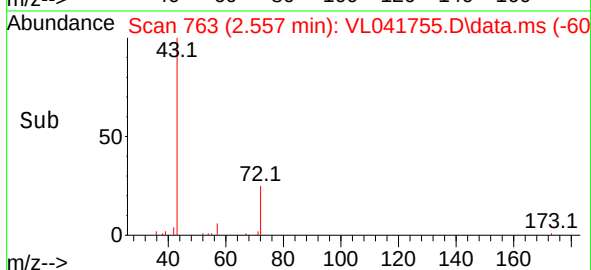
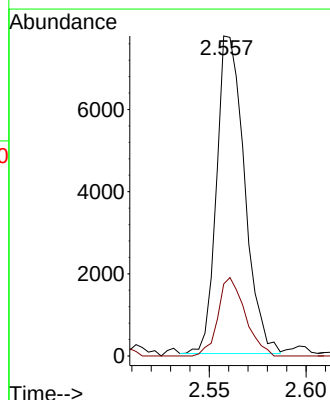
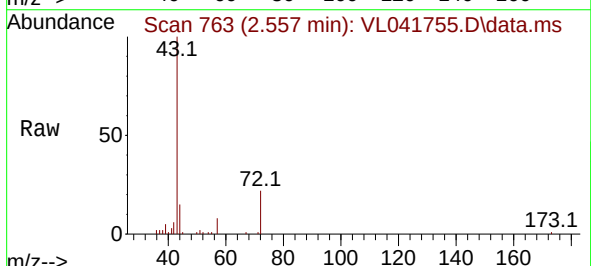
RT: 2.557 min Scan# 763

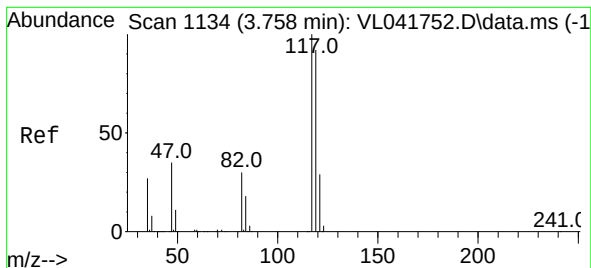
Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	43	Resp:	7756
Ion Ratio	Lower	Upper	
43	100		
72	24.0	16.8	25.2





#35

Carbon Tetrachloride

Concen: 0.446 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:117 Resp: 565

Ion Ratio Lower Upper

117 100

119 102.7 73.7 110.5

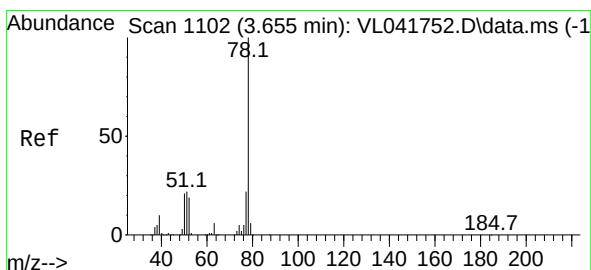
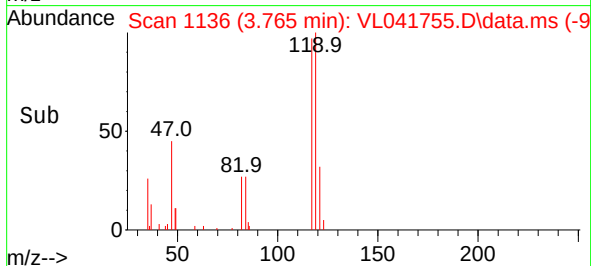
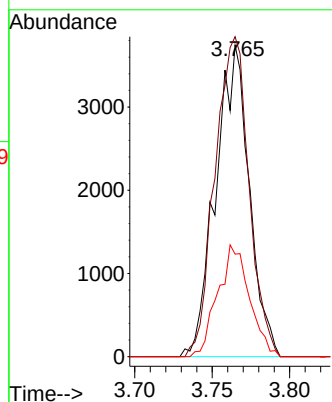
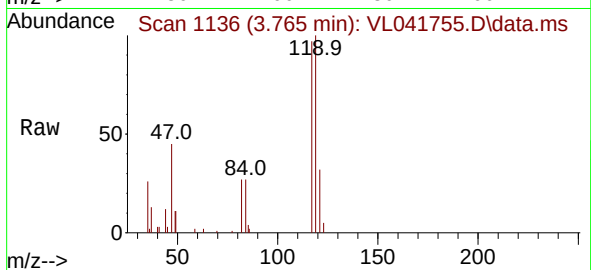
121 32.9 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#36

Benzene

Concen: 0.522 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

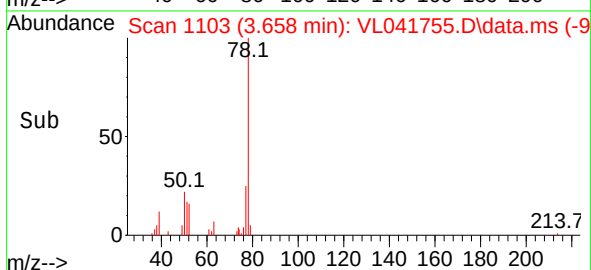
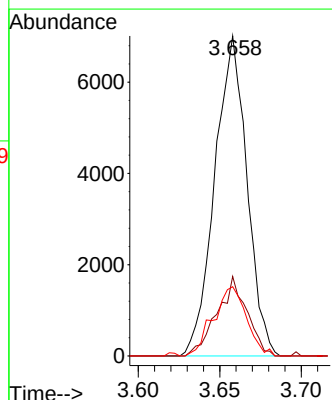
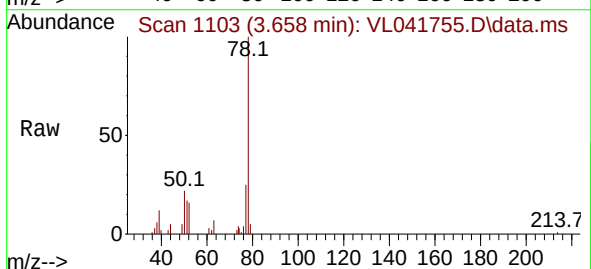
Tgt Ion: 78 Resp: 9629

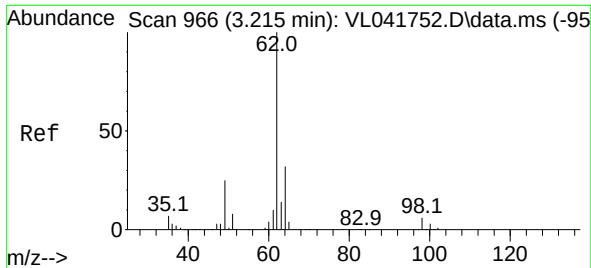
Ion Ratio Lower Upper

78 100

77 24.8 17.8 26.6

50 21.7 17.2 25.8





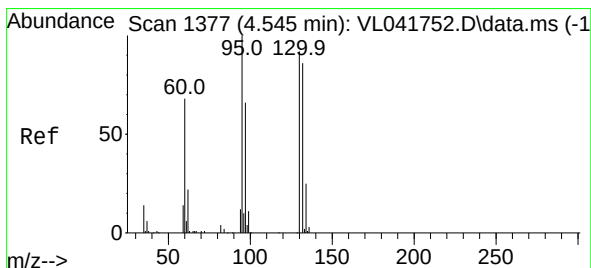
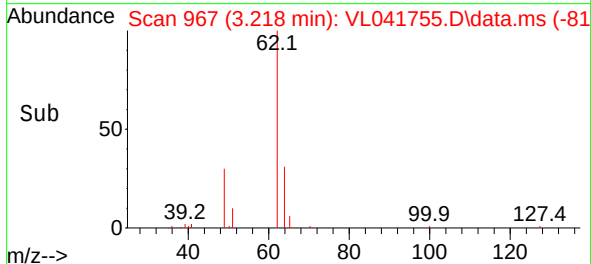
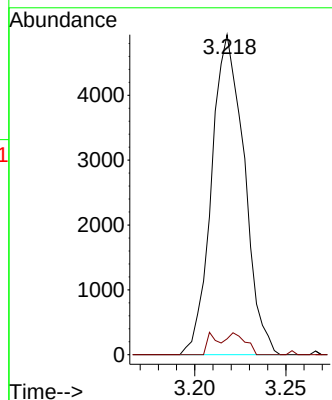
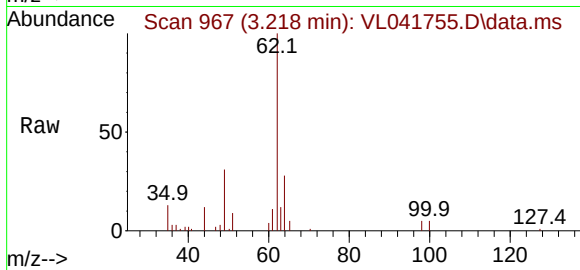
#37
1,2-Dichloroethane
Concen: 0.536 ppbv
RT: 3.218 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 62 Resp: 615
Ion Ratio Lower Upper
62 100
98 6.3 4.7 7.1

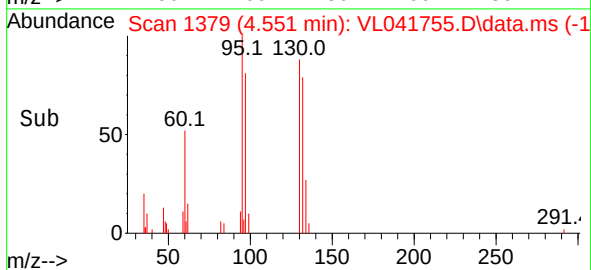
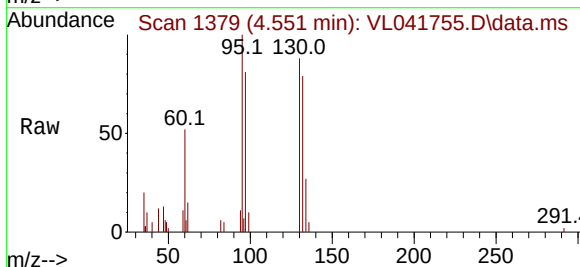
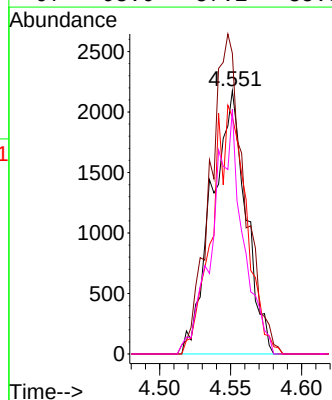
Manual Integrations
APPROVED

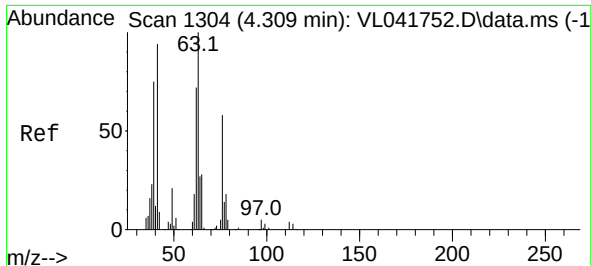
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#38
Trichloroethene
Concen: 0.468 ppbv m
RT: 4.551 min Scan# 1379
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:130 Resp: 3637
Ion Ratio Lower Upper
130 100
95 114.3 87.0 130.6
132 90.0 75.0 112.6
97 93.0 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 0.511 ppbv m

RT: 4.318 min Scan# 1307

Delta R.T. 0.010 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

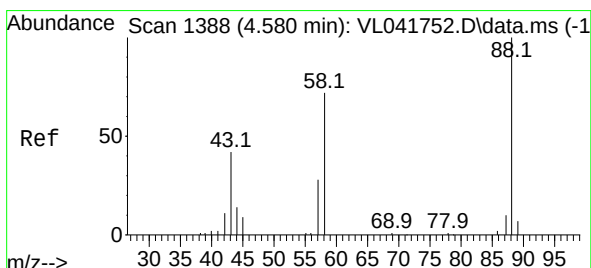
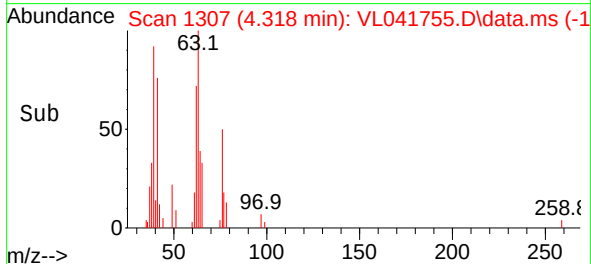
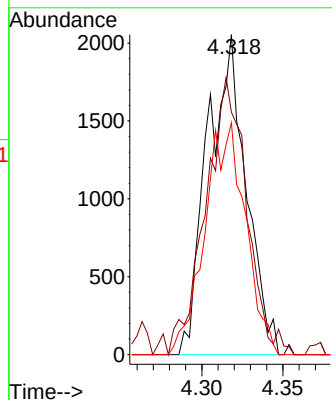
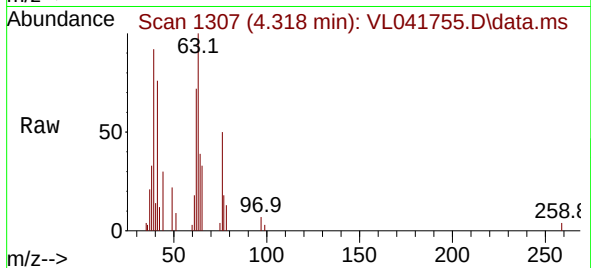
VSTDICC0.5

Tgt Ion:	63	Resp:	3410
Ion	Ratio	Lower	Upper
63	100		
41	75.8	75.3	112.9
62	72.4	57.3	85.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#40

1,4-Dioxane

Concen: 0.580 ppbv m

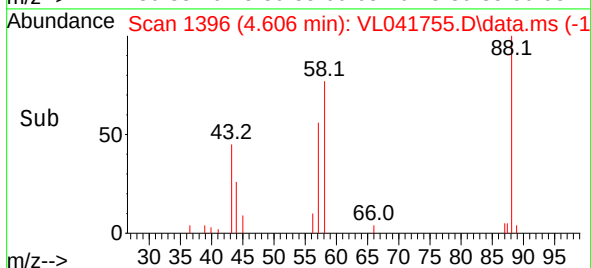
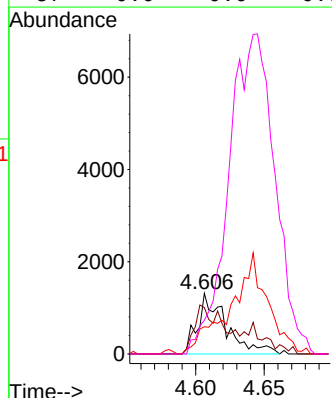
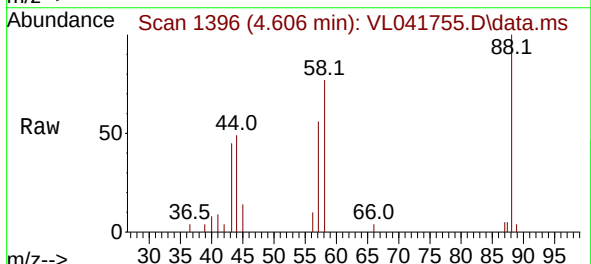
RT: 4.606 min Scan# 1396

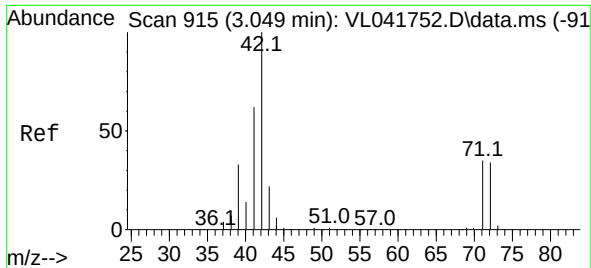
Delta R.T. 0.026 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	88	Resp:	1892
Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.0	91.6#
43	0.0	29.4	44.0#
57	0.0	0.0	0.0





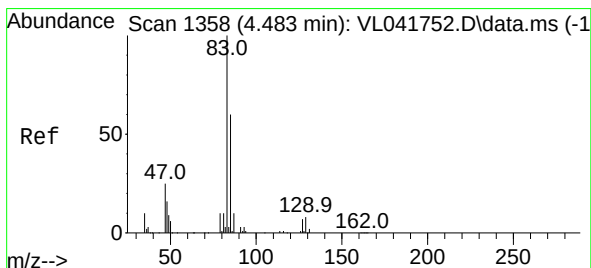
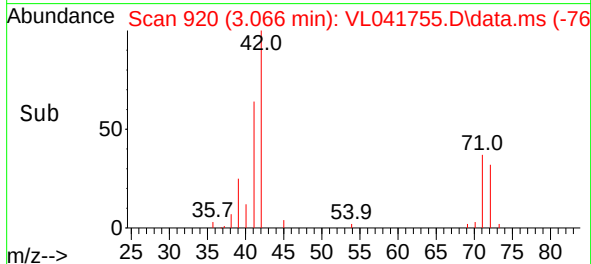
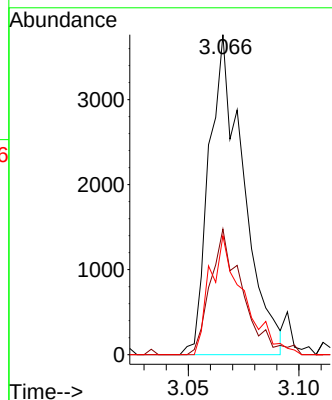
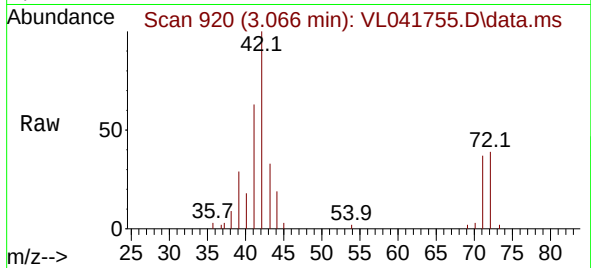
#41
Tetrahydrofuran
Concen: 0.505 ppbv
RT: 3.066 min Scan# 915
Delta R.T. 0.016 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 42 Resp: 406
Ion Ratio Lower Upper
42 100
72 37.0 29.1 43.7
71 36.5 28.4 42.6

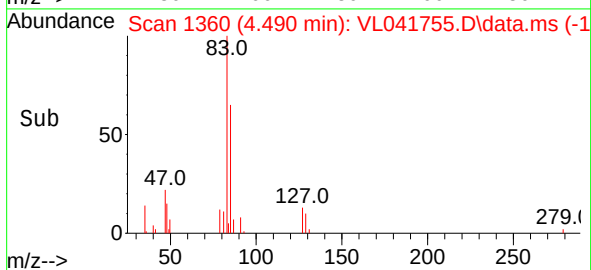
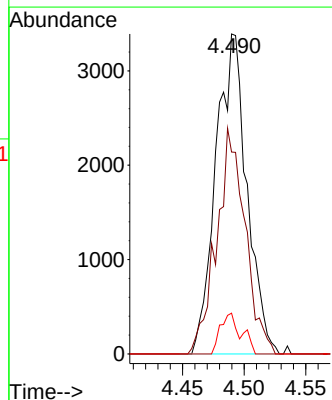
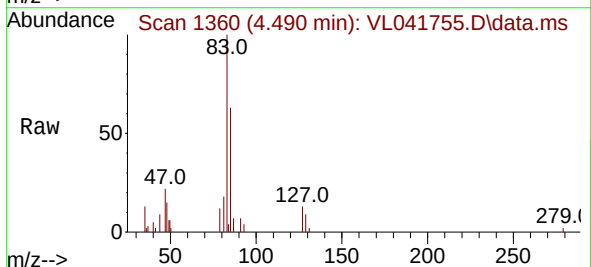
Manual Integrations
APPROVED

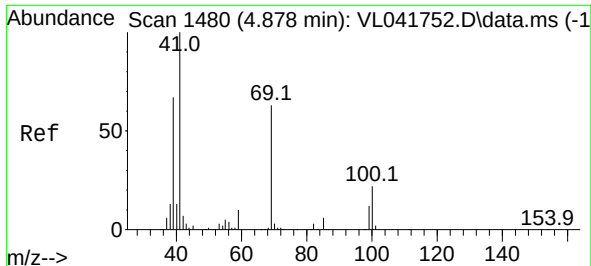
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#42
Bromodichloromethane
Concen: 0.448 ppbv m
RT: 4.490 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

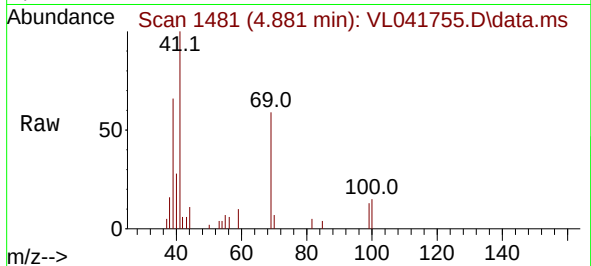
Tgt Ion: 83 Resp: 5926
Ion Ratio Lower Upper
83 100
85 63.1 48.0 72.0
127 12.7 5.8 8.8#





#43
Methyl Methacrylate
Concen: 0.472 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

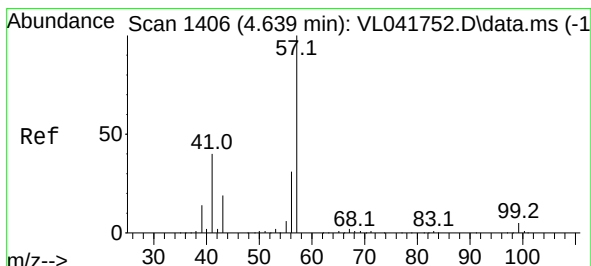
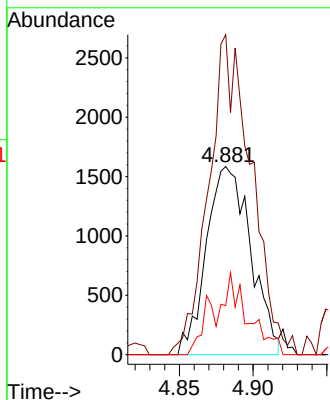
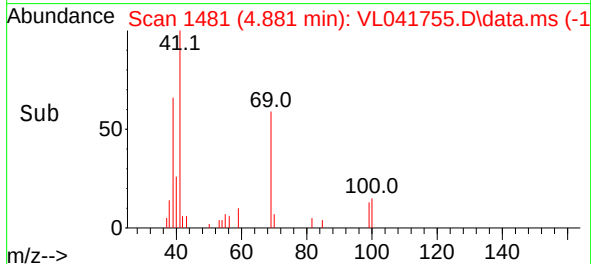
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



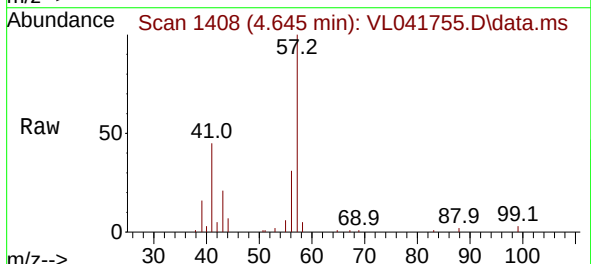
Tgt Ion: 69 Resp: 332
Ion Ratio Lower Upper
69 100
41 163.7 130.3 195.5
100 33.2 28.3 42.5

Manual Integrations
APPROVED

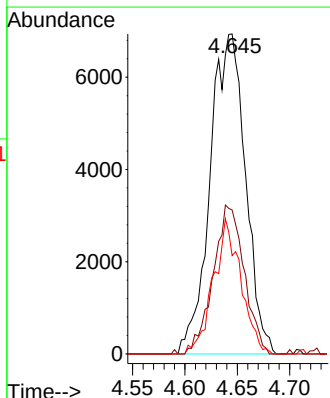
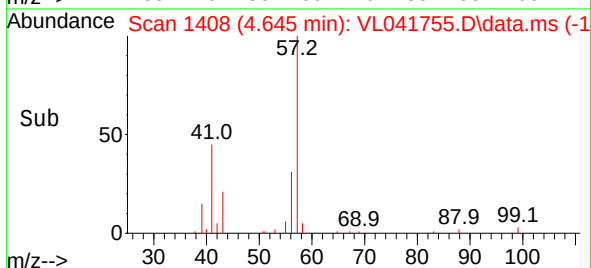
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

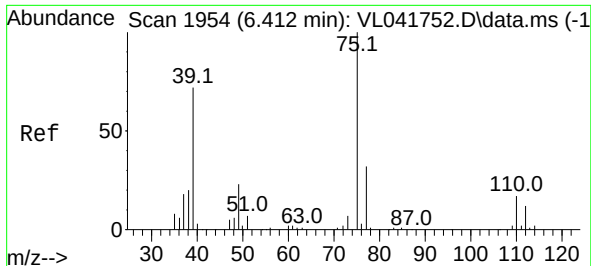


#44
2,2,4-Trimethylpentane
Concen: 0.517 ppbv m
RT: 4.645 min Scan# 1408
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05



Tgt Ion: 57 Resp: 16294
Ion Ratio Lower Upper
57 100
41 0.0 30.7 46.1#
56 0.0 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.468 ppbv m

RT: 6.422 min Scan# 1954

Delta R.T. 0.010 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 75 Resp: 3400

Ion Ratio Lower Upper

75 100

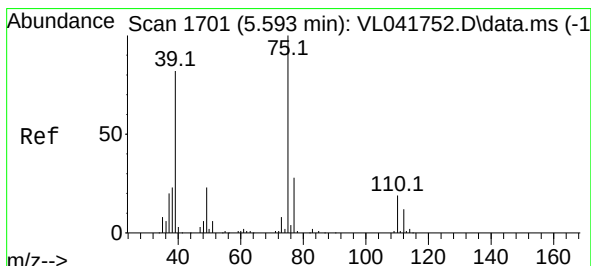
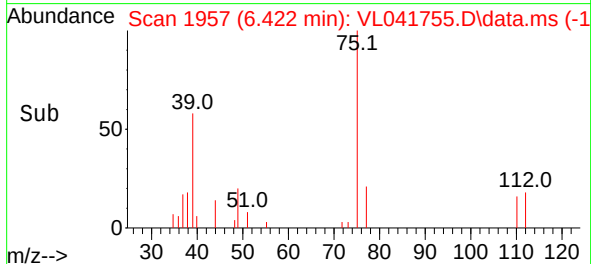
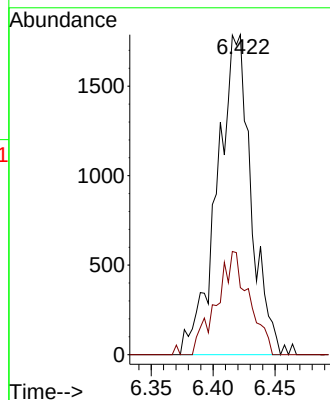
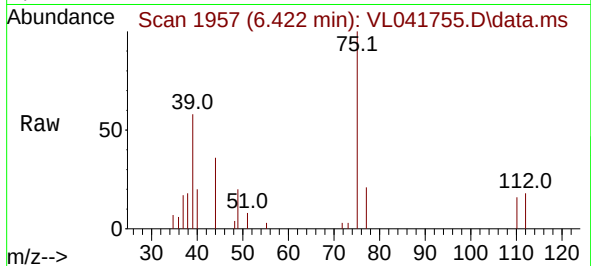
77 20.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#46

cis-1,3-Dichloropropene

Concen: 0.483 ppbv m

RT: 5.597 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

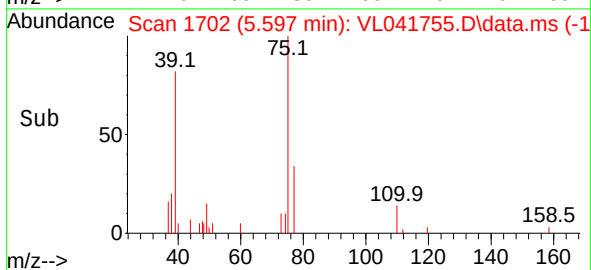
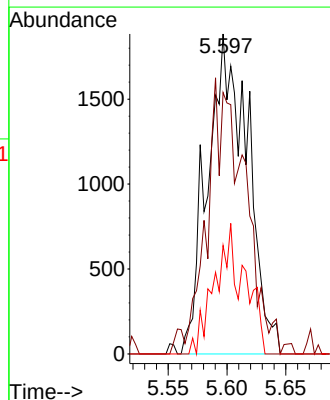
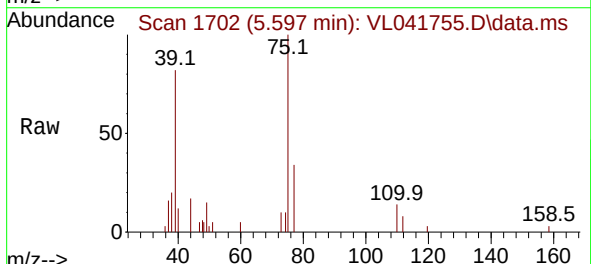
Tgt Ion: 75 Resp: 4462

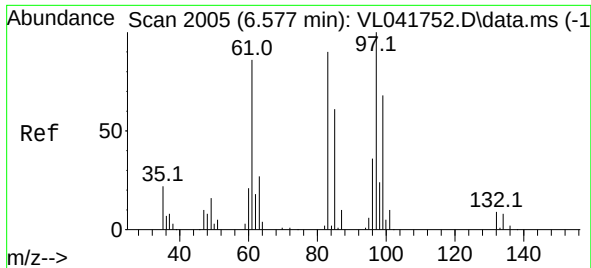
Ion Ratio Lower Upper

75 100

39 81.7 65.2 97.8

77 33.9 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.521 ppbv m

RT: 6.587 min Scan# 2005

Delta R.T. 0.010 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 363

Ion Ratio Lower Upper

97 100

83 69.7 72.3 108.5

85 51.4 48.5 72.7

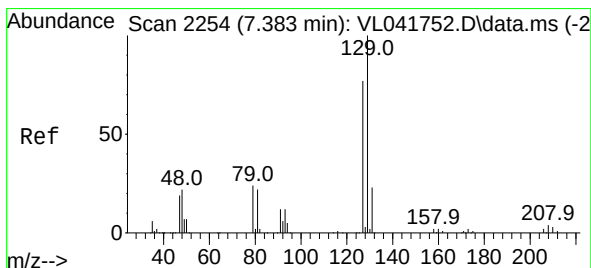
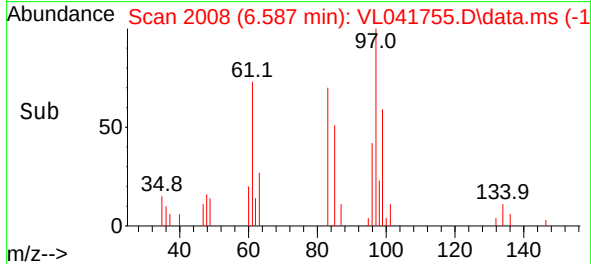
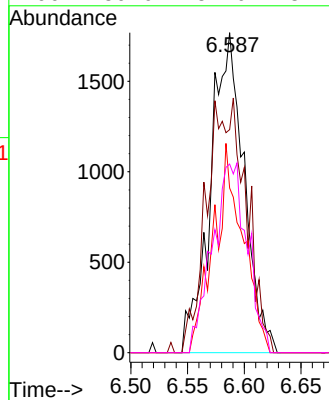
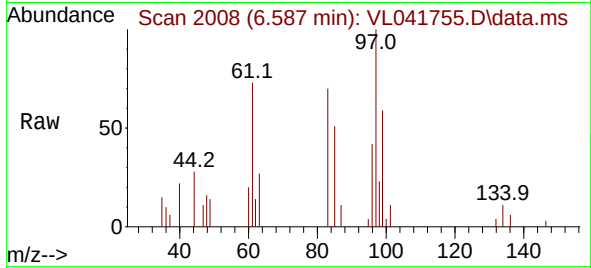
99 59.0 54.0 81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#48

Dibromochloromethane

Concen: 0.406 ppbv

RT: 7.387 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL041755.D

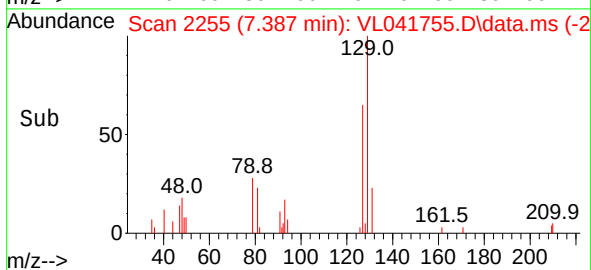
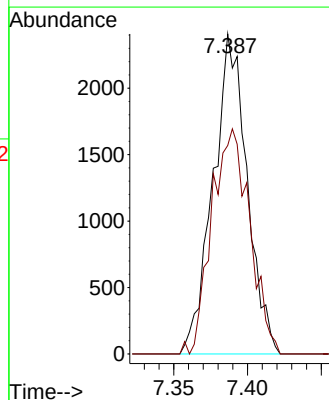
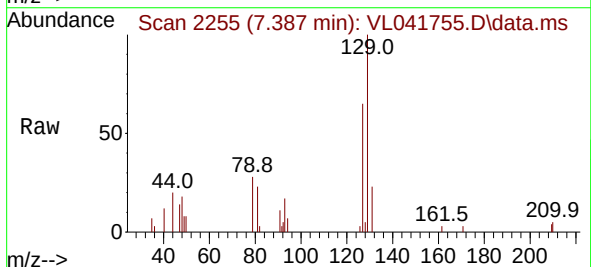
Acq: 16 Dec 2024 15:05

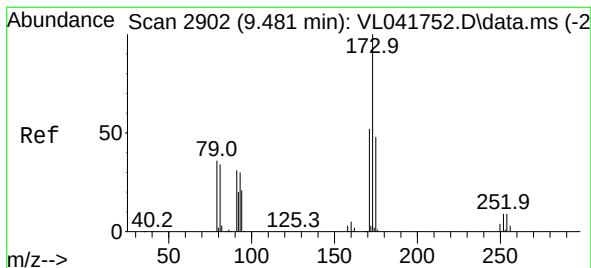
Tgt Ion:129 Resp: 3865

Ion Ratio Lower Upper

129 100

127 78.8 38.8 116.3





#49

Bromoform

Concen: 0.376 ppbv m

RT: 9.484 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

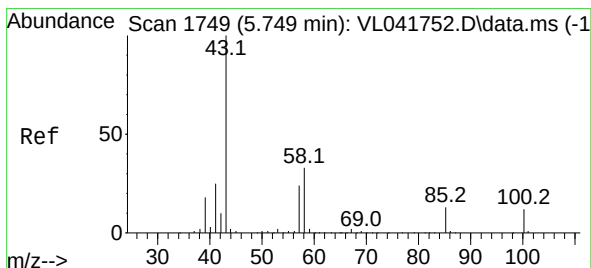
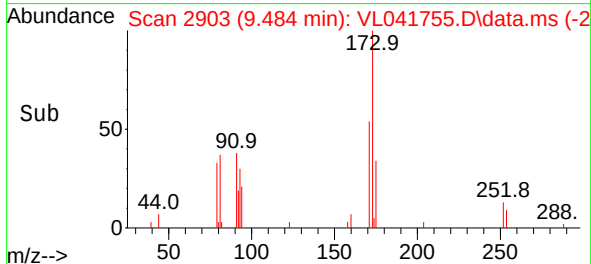
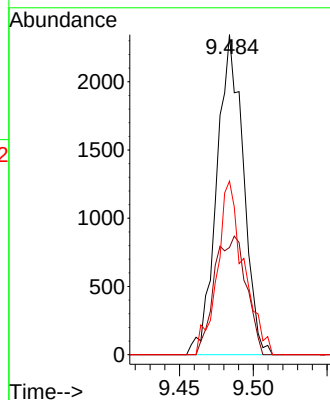
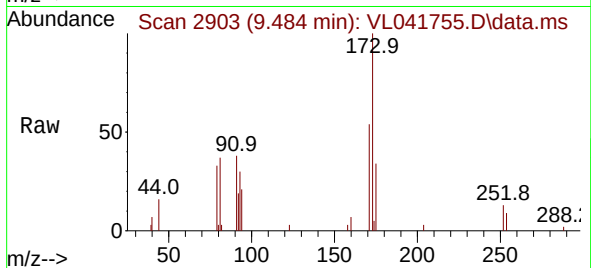
VSTDICC0.5

Tgt Ion:	173	Resp:	2928
Ion Ratio	Lower	Upper	
173	100		
175	44.6	38.2	57.2
171	54.1	41.1	61.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#50

4-Methyl-2-Pentanone

Concen: 0.485 ppbv m

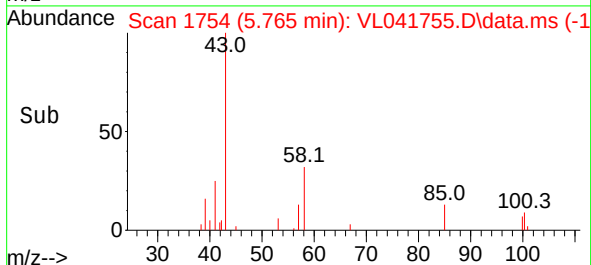
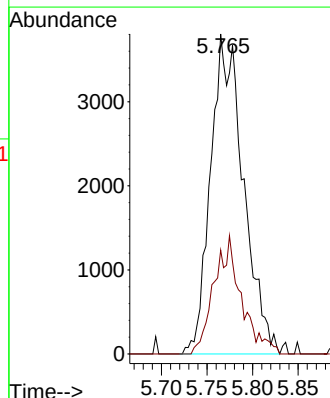
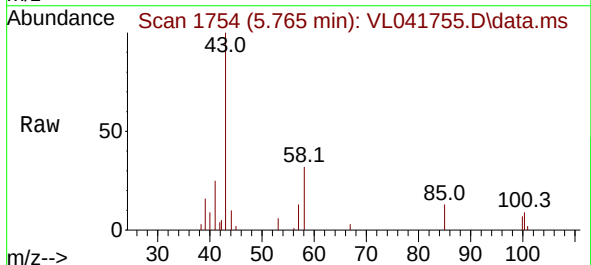
RT: 5.765 min Scan# 1754

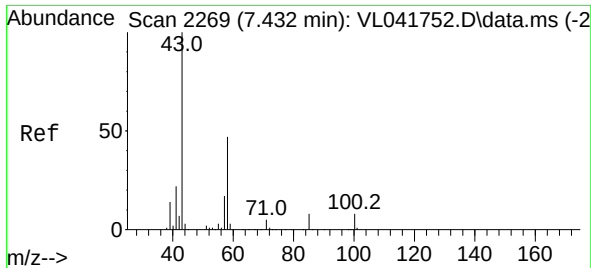
Delta R.T. 0.016 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

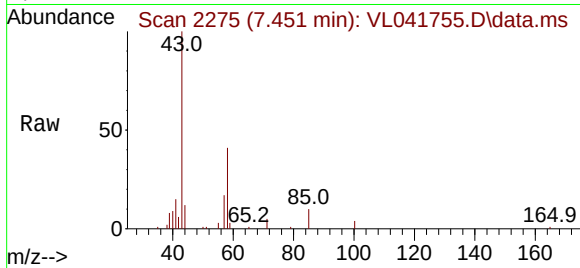
Tgt Ion:	43	Resp:	9479
Ion Ratio	Lower	Upper	
43	100		
58	0.0	26.8	40.2#





#51
2-Hexanone
Concen: 0.468 ppbv
RT: 7.451 min Scan# 2114
Delta R.T. 0.019 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

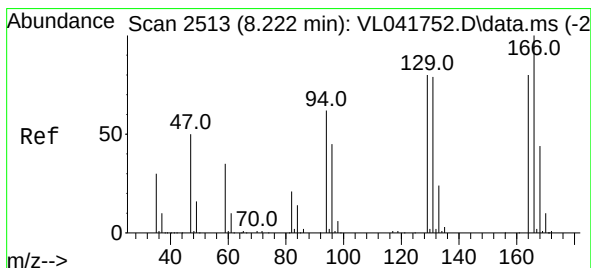
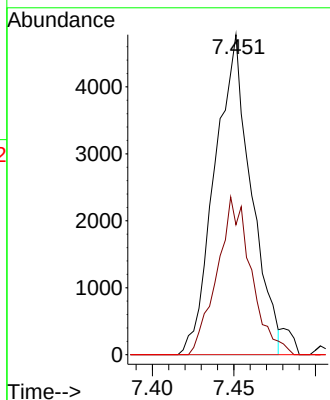
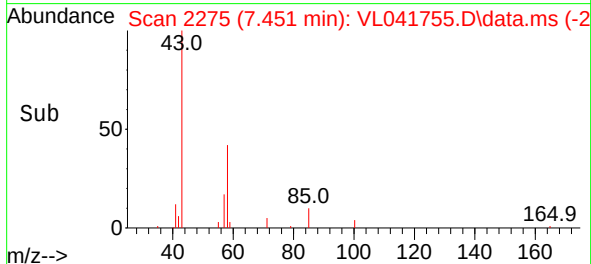
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 7412
Ion Ratio Lower Upper
43 100
58 46.2 36.6 55.0
98 0.0 0.1 0.1

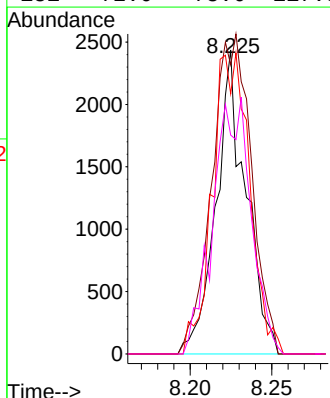
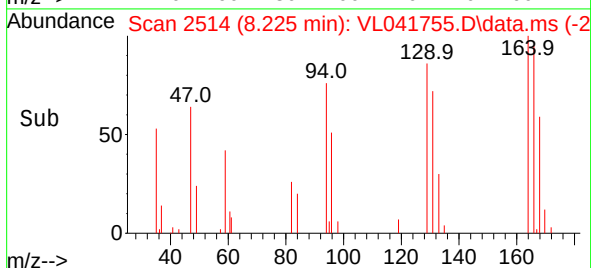
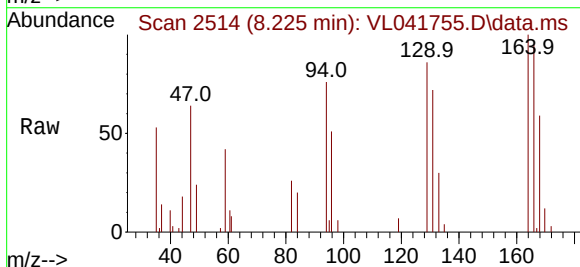
Manual Integrations
APPROVED

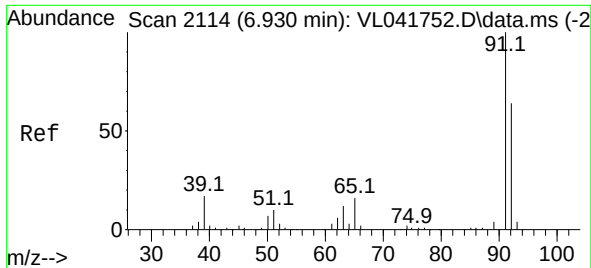
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#52
Tetrachloroethene
Concen: 0.450 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:164 Resp: 3091
Ion Ratio Lower Upper
164 100
166 95.1 99.8 149.6#
129 85.6 79.6 119.4
131 72.0 78.6 117.8#





#53

Toluene

Concen: 0.504 ppbv

RT: 6.933 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 1055

Ion Ratio Lower Upper

91 100

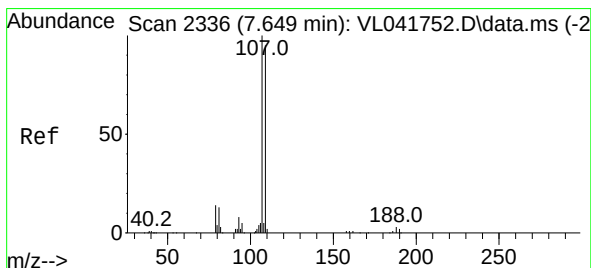
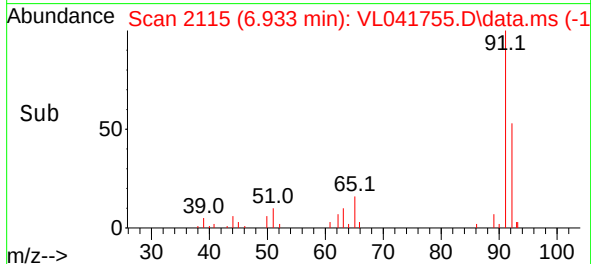
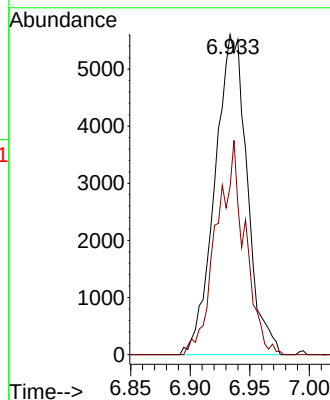
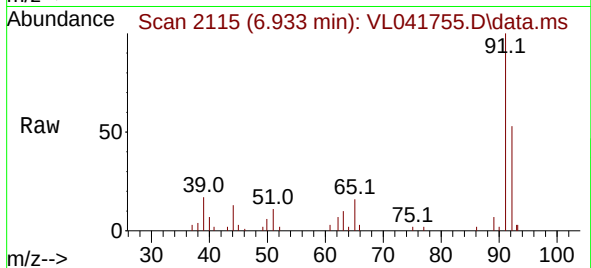
92 59.2 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#54

1,2-Dibromoethane

Concen: 0.502 ppbv m

RT: 7.658 min Scan# 2339

Delta R.T. 0.010 min

Lab File: VL041755.D

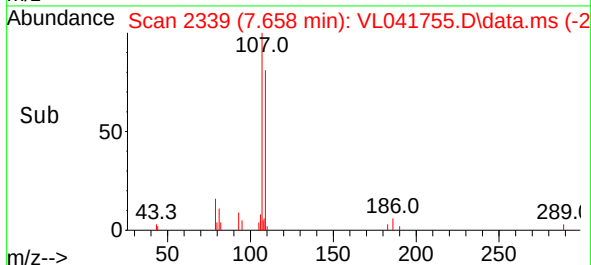
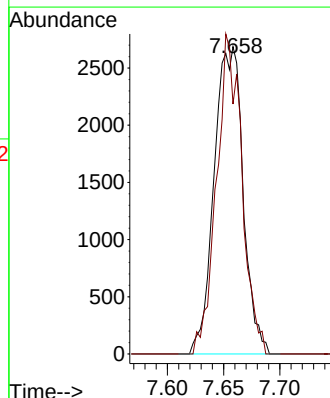
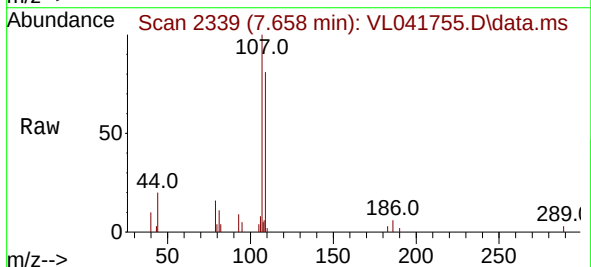
Acq: 16 Dec 2024 15:05

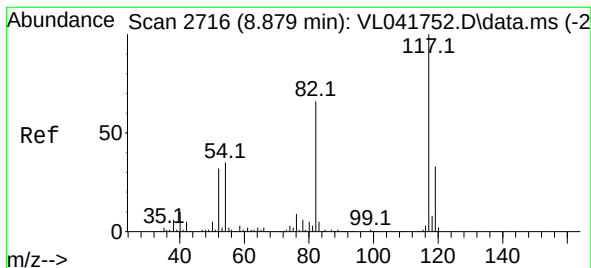
Tgt Ion:107 Resp: 4819

Ion Ratio Lower Upper

107 100

109 81.3 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

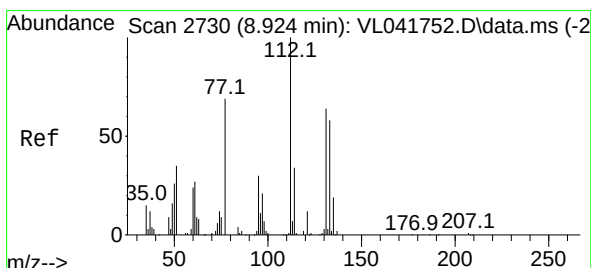
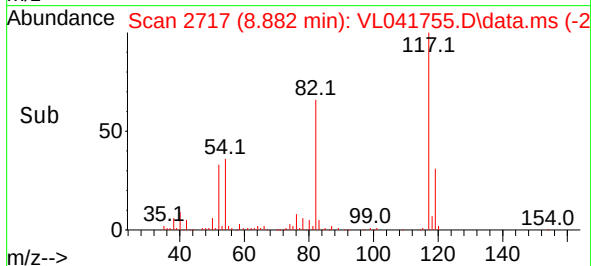
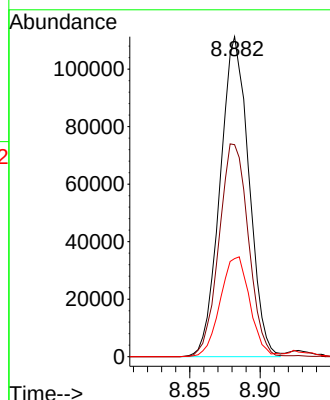
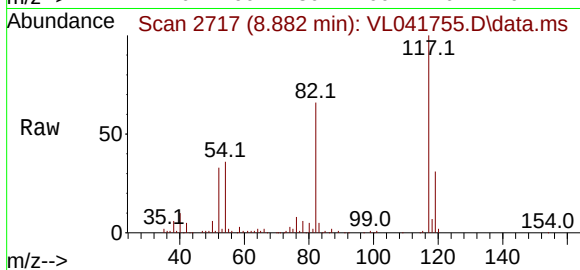
VSTDIC0.5

Tgt Ion:117 Resp: 15857
 Ion Ratio Lower Upper
 117 100
 82 68.1 53.8 80.8
 119 33.6 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#56

1,1,1,2-Tetrachloroethane

Concen: 0.459 ppbv m

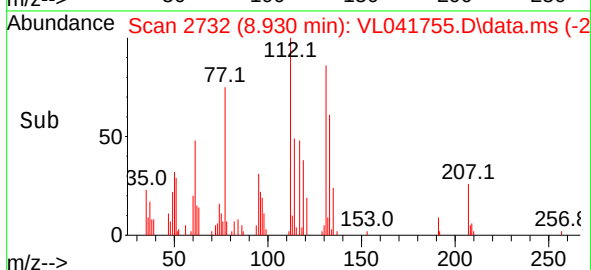
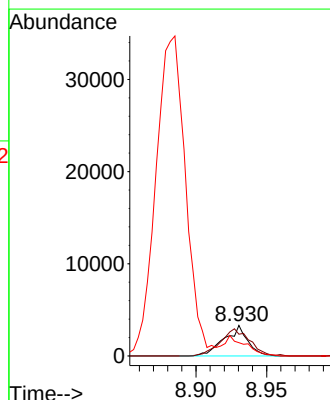
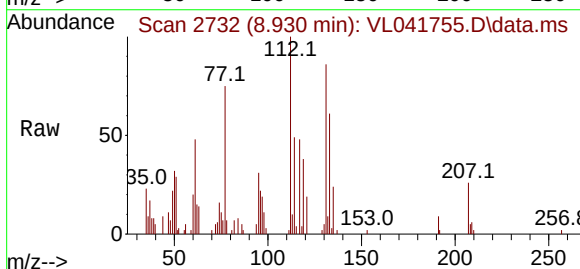
RT: 8.930 min Scan# 2732

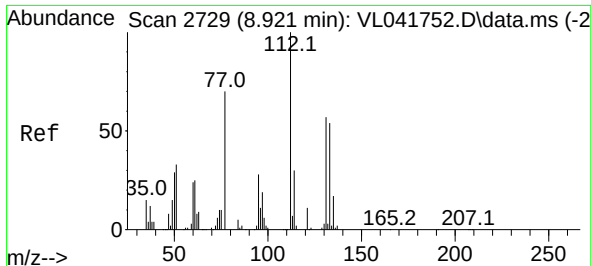
Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:131 Resp: 3858
 Ion Ratio Lower Upper
 131 100
 133 110.1 76.8 115.2
 119 0.0 49.0 73.6#





#57

Chlorobenzene

Concen: 0.514 ppbv m

RT: 8.927 min Scan# 2729

Delta R.T. 0.006 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

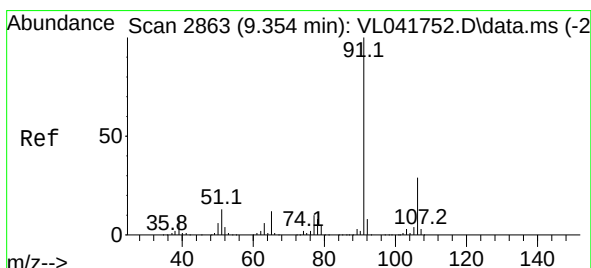
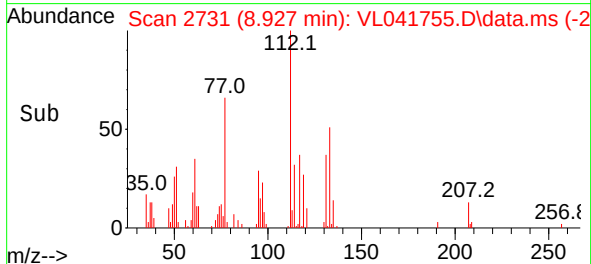
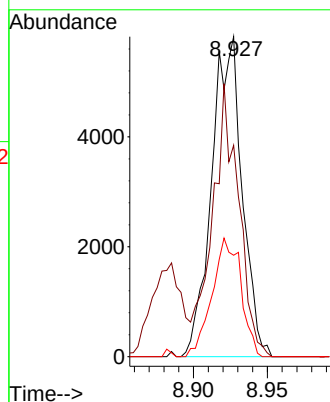
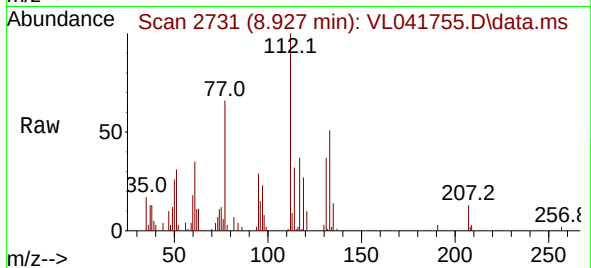
VSTDICC0.5

Tgt Ion:	112	Resp:	8340
Ion Ratio	Lower	Upper	
112	100		
77	66.1	57.4	86.0
114	31.7	27.4	33.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#58

Ethyl Benzene

Concen: 0.470 ppbv

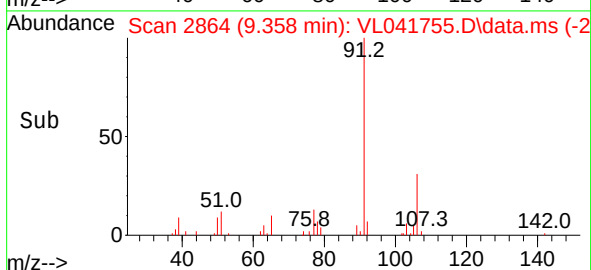
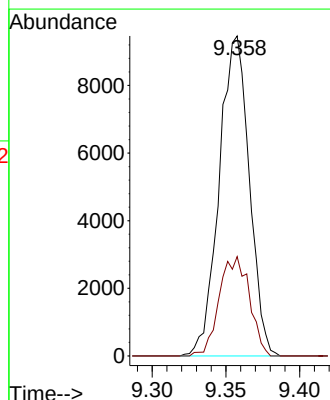
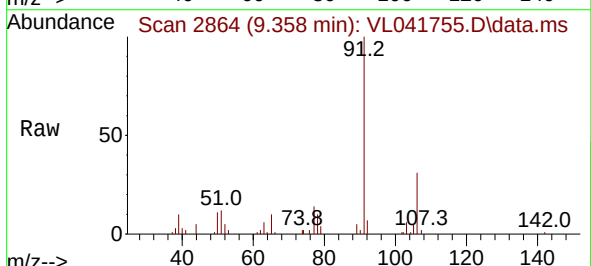
RT: 9.358 min Scan# 2864

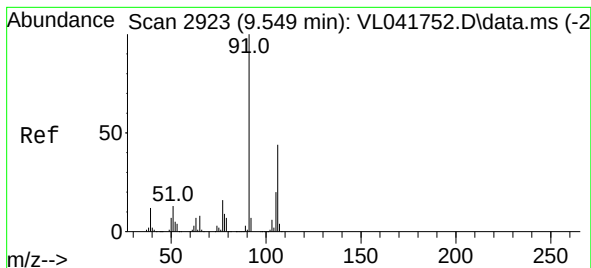
Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	91	Resp:	13428
Ion Ratio	Lower	Upper	
91	100		
106	31.0	23.5	35.3





#59

m/p-Xylene

Concen: 0.983 ppbv m

RT: 9.552 min Scan# 2923

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 22560

Ion Ratio Lower Upper

91 100

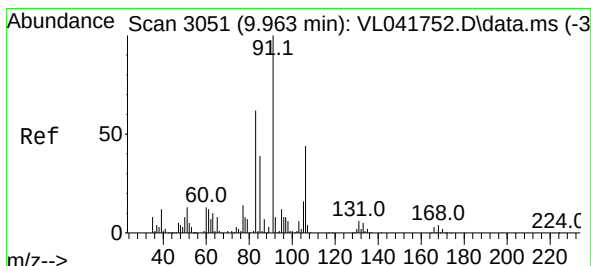
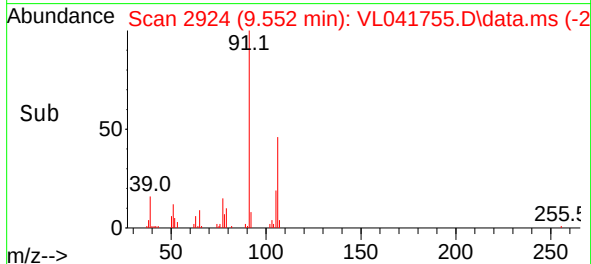
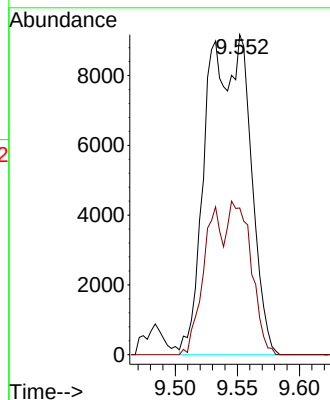
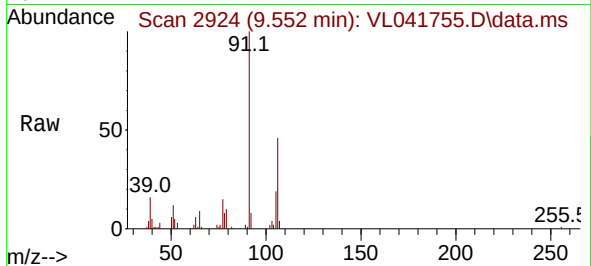
106 46.9 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#60

o-Xylene

Concen: 0.476 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041755.D

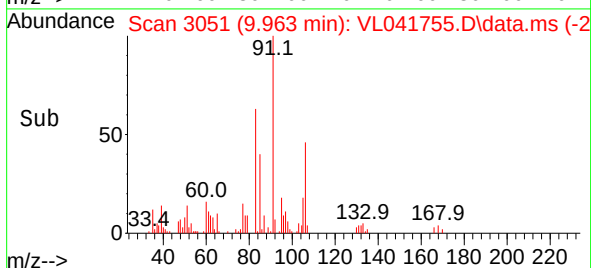
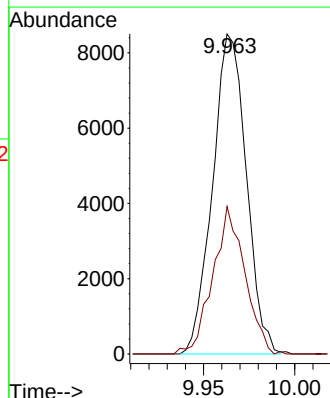
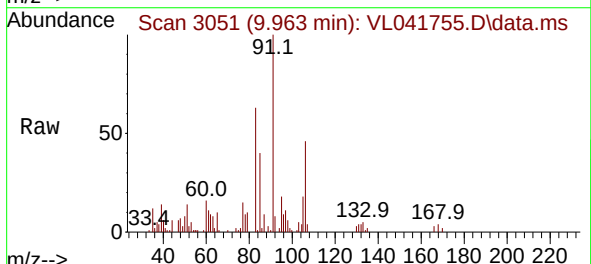
Acq: 16 Dec 2024 15:05

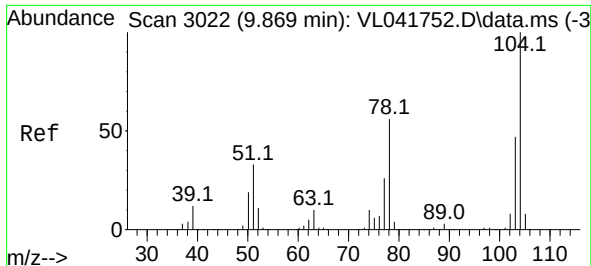
Tgt Ion: 91 Resp: 10954

Ion Ratio Lower Upper

91 100

106 43.7 21.1 63.4





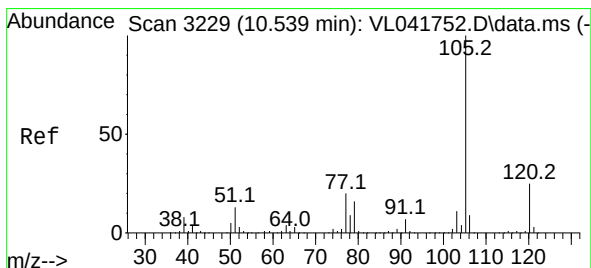
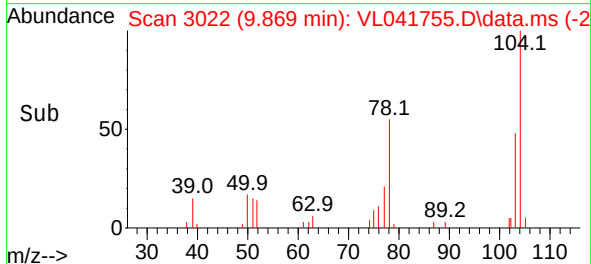
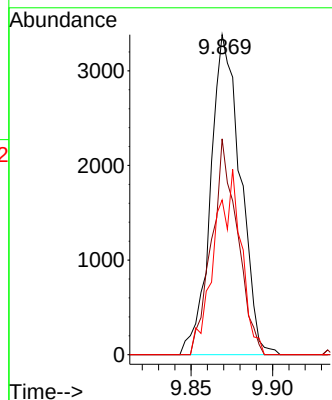
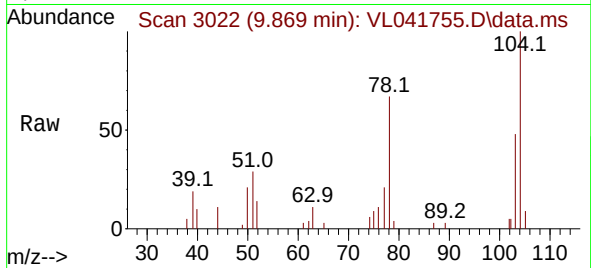
#61
Styrene
Concen: 0.433 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:104 Resp: 4314
Ion Ratio Lower Upper
104 100
78 58.1 43.8 65.6
103 51.9 37.8 56.6

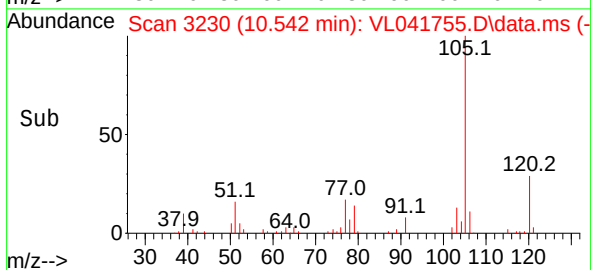
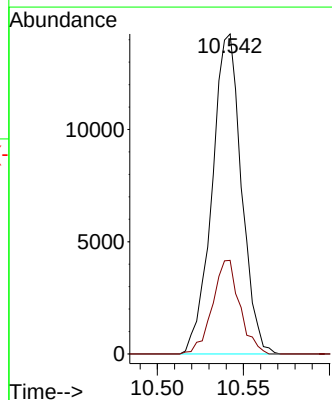
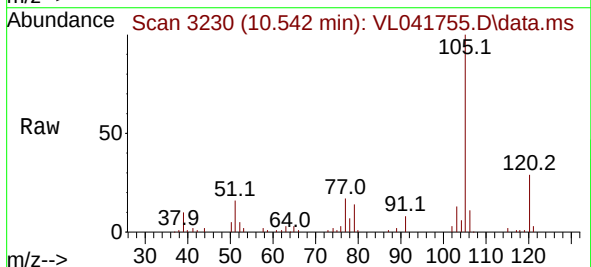
Manual Integrations
APPROVED

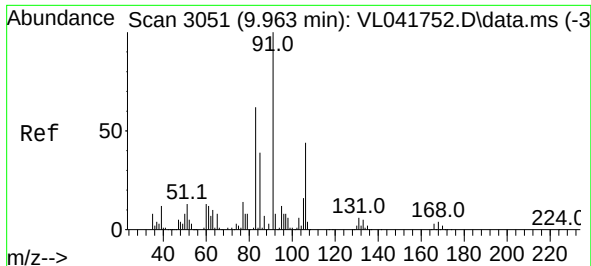
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#62
Isopropylbenzene
Concen: 0.490 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 16953
Ion Ratio Lower Upper
105 100
120 27.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.525 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

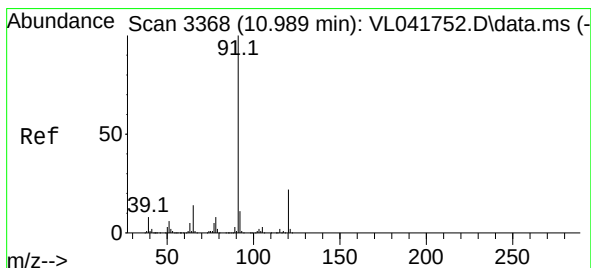
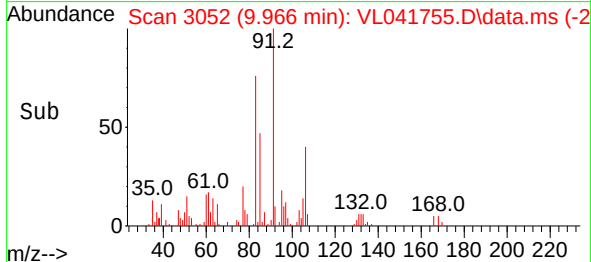
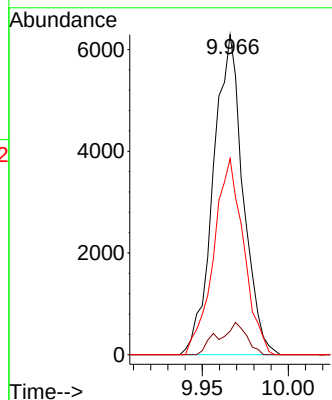
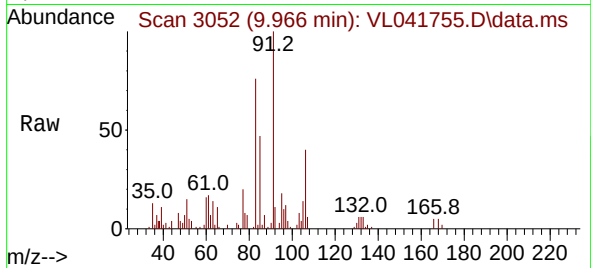
VSTDIC0.5

Tgt Ion:	83	Resp:	755
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.7
85	62.2	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#64

n-propylbenzene

Concen: 0.472 ppbv

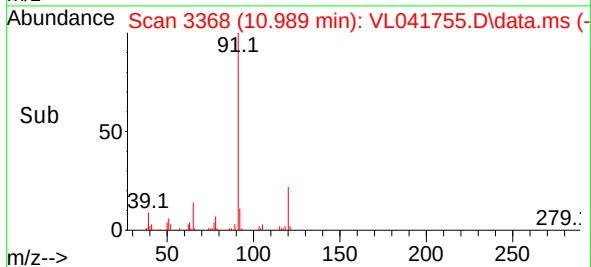
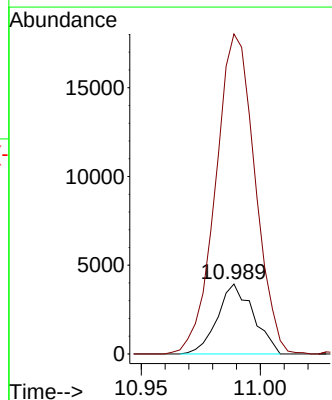
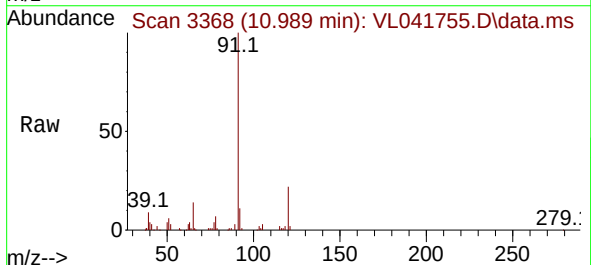
RT: 10.989 min Scan# 3368

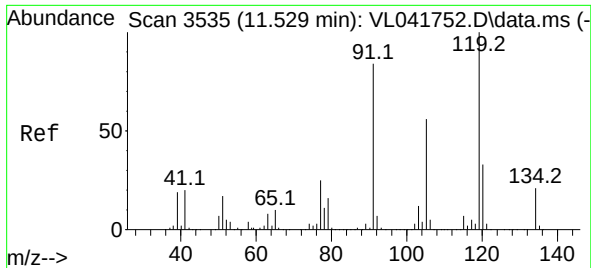
Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	120	Resp:	4126
Ion	Ratio	Lower	Upper
120	100		
91	504.6	387.3	580.9





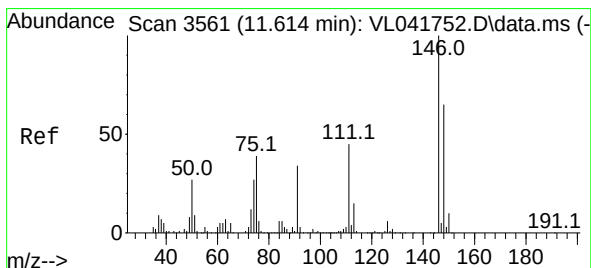
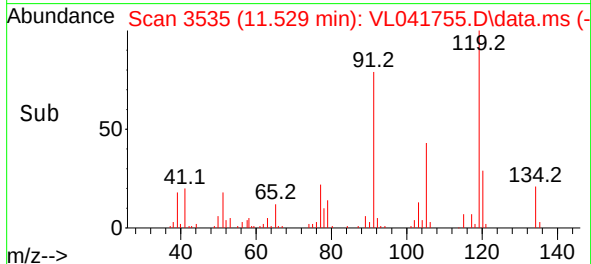
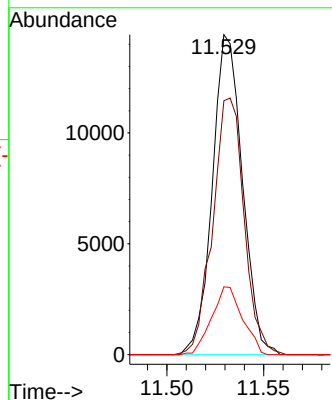
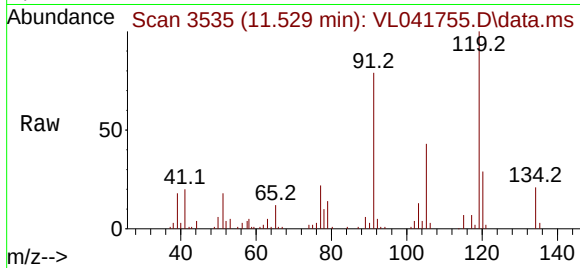
#65
tert-Butylbenzene
Concen: 0.499 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 15569
Ion Ratio Lower Upper
119 100
91 83.6 67.0 100.4
134 21.8 16.5 24.7

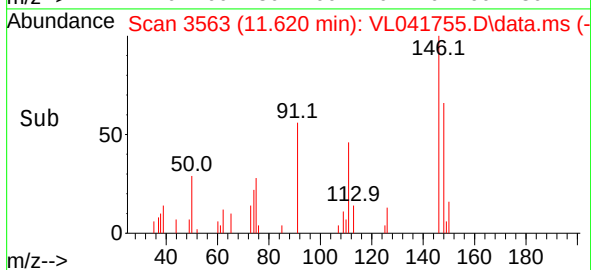
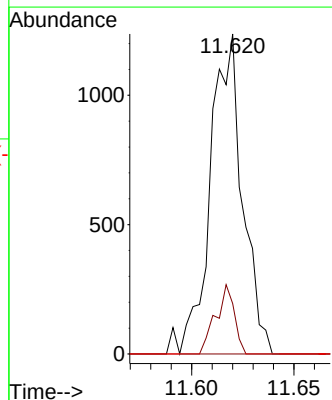
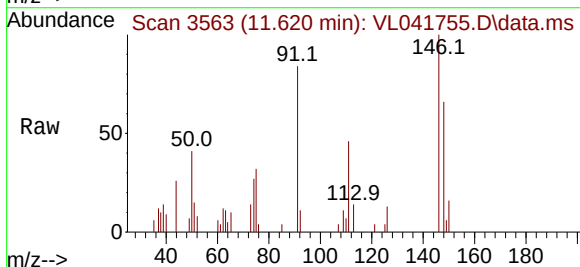
Manual Integrations
APPROVED

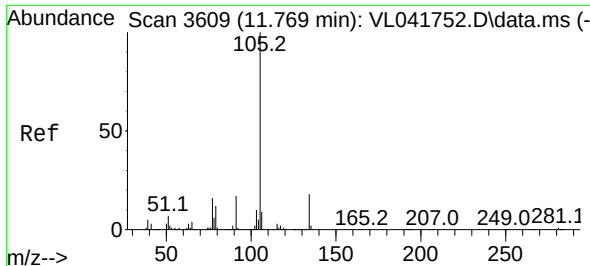
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#66
Benzyl Chloride
Concen: 0.487 ppbv m
RT: 11.620 min Scan# 3563
Delta R.T. 0.006 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion: 91 Resp: 1340
Ion Ratio Lower Upper
91 100
126 12.6 13.9 20.9#
128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.492 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 21263

Ion Ratio Lower Upper

105 100

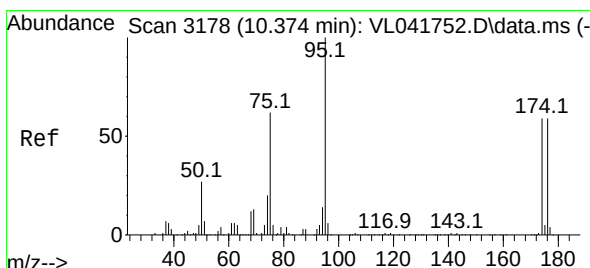
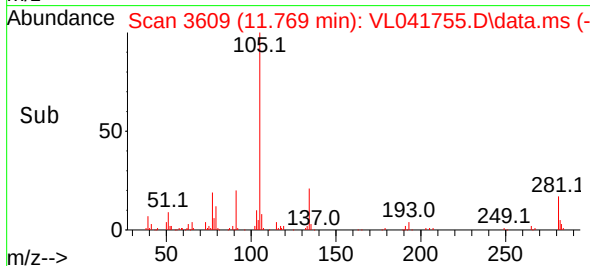
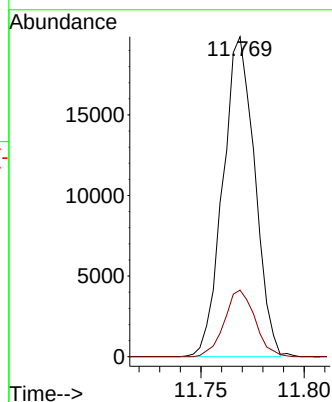
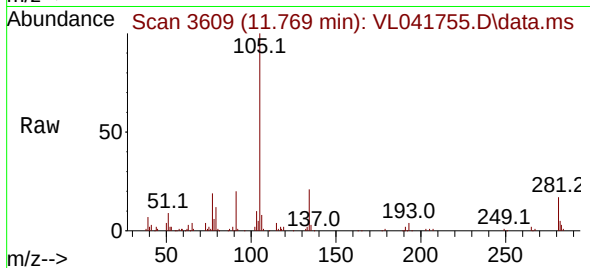
134 20.1 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 10.010 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

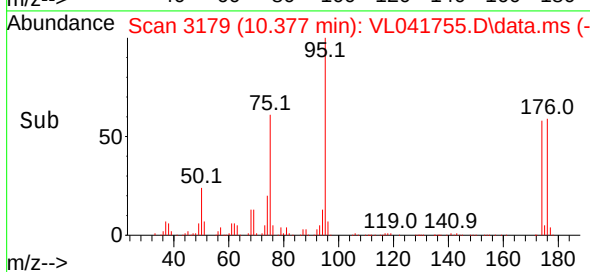
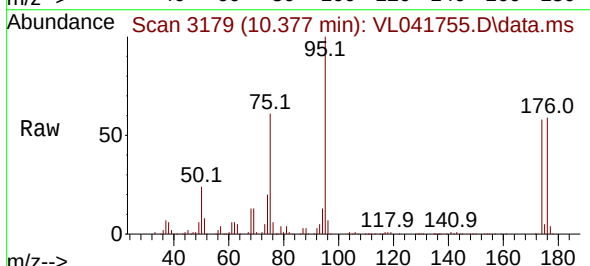
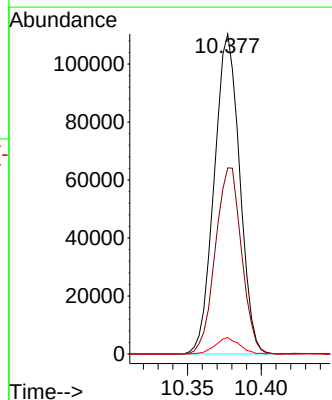
Tgt Ion: 95 Resp: 132273

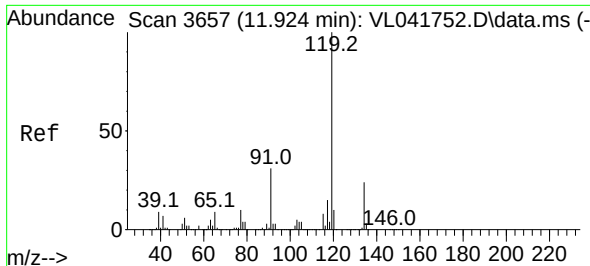
Ion Ratio Lower Upper

95 100

174 60.1 47.6 71.4

175 4.9 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.479 ppbv

RT: 11.928 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

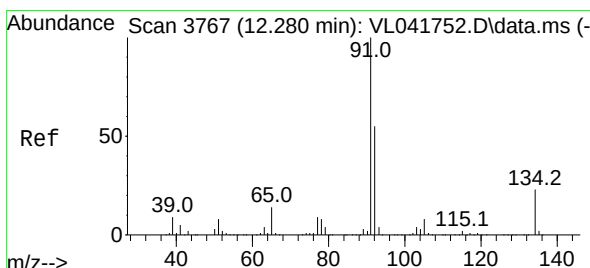
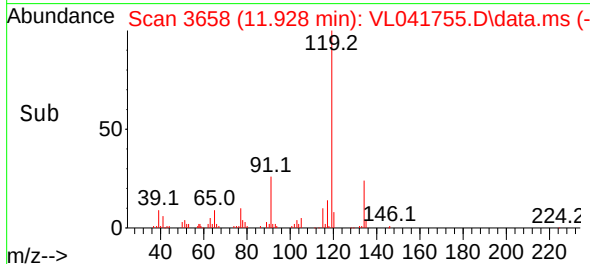
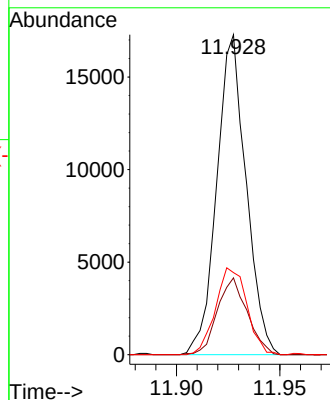
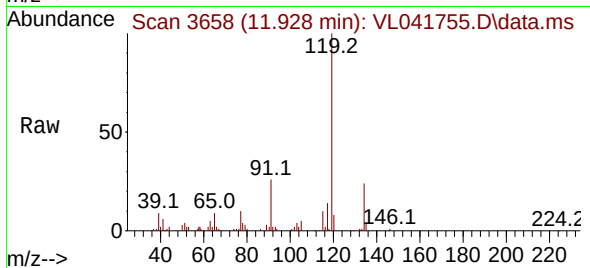
VSTDIC0.5

Tgt Ion:	119	Resp:	1704
Ion Ratio	Lower	Upper	
119	100		
134	24.5	19.6	29.4
91	29.2	24.4	36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#70

n-Butylbenzene

Concen: 0.456 ppbv

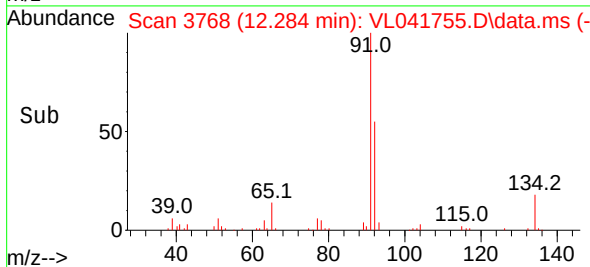
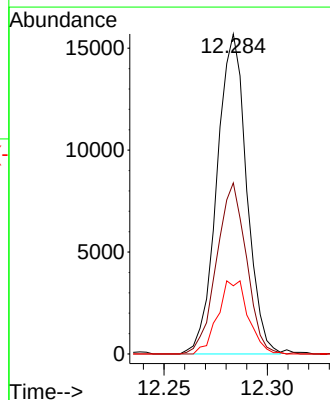
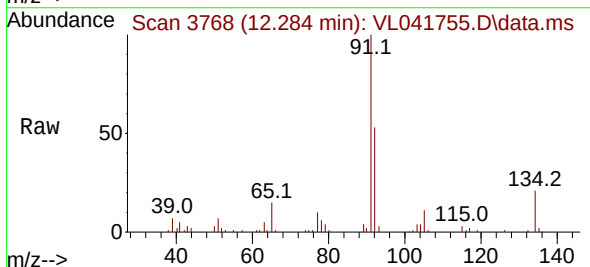
RT: 12.284 min Scan# 3768

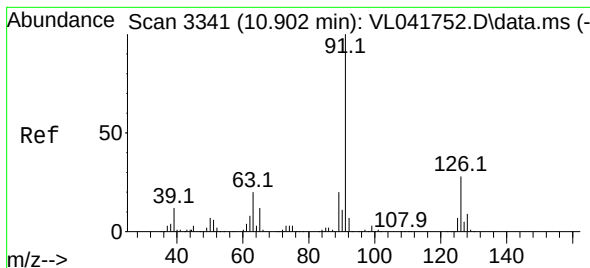
Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:	91	Resp:	15671
Ion Ratio	Lower	Upper	
91	100		
92	53.7	43.2	64.8
134	23.5	18.2	27.4





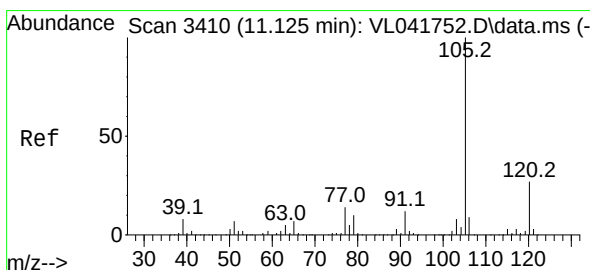
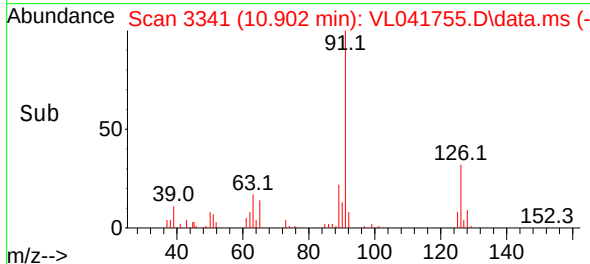
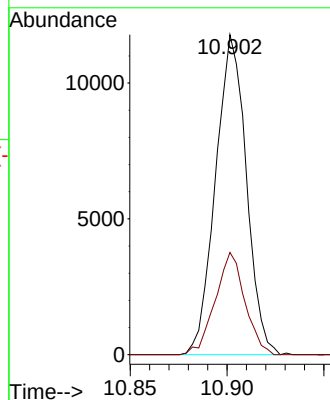
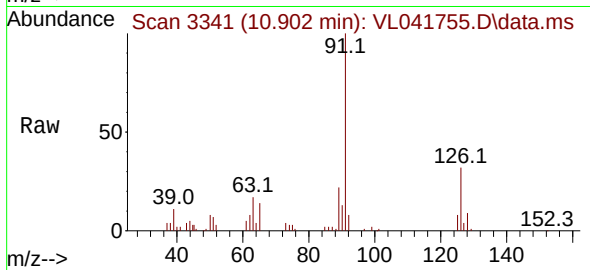
#71
2-Chlorotoluene
Concen: 0.492 ppbv
RT: 10.902 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 13000
Ion Ratio Lower Upper
91 100
126 30.8 11.6 46.4

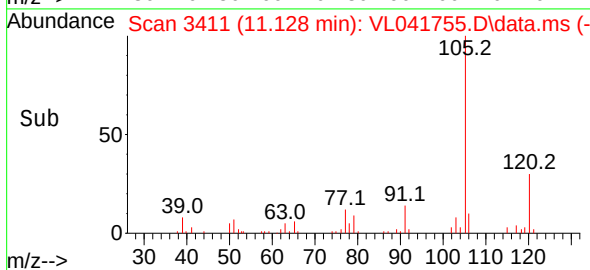
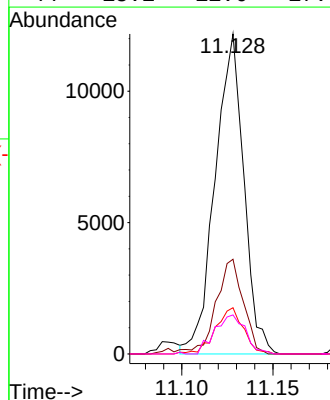
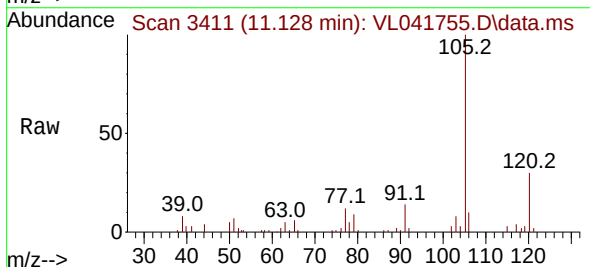
Manual Integrations
APPROVED

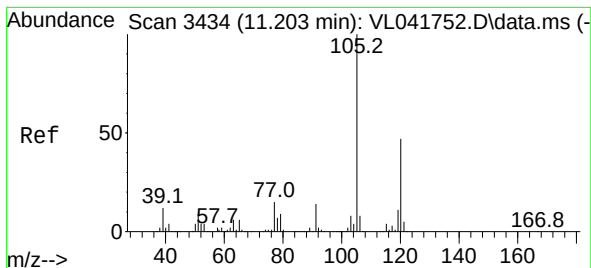
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#72
4-Ethyltoluene
Concen: 0.491 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 13324
Ion Ratio Lower Upper
105 100
120 28.7 23.3 34.9
91 14.1 10.9 16.3
77 13.1 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.466 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 1049

Ion Ratio Lower Upper

105 100

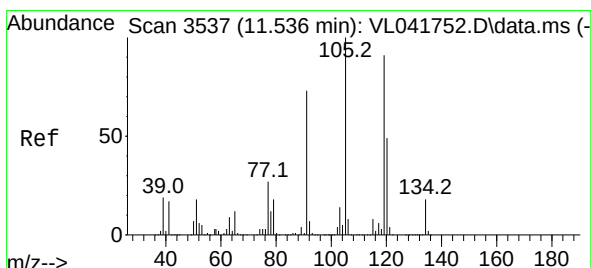
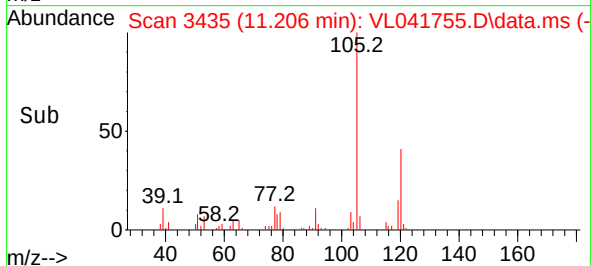
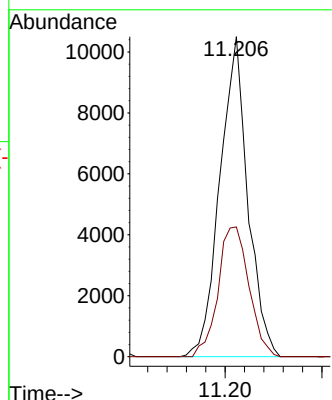
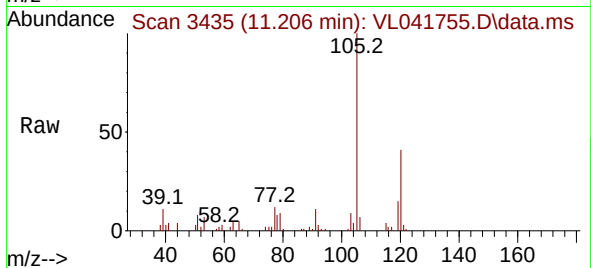
120 40.6 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.457 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Tgt Ion:105 Resp: 11070

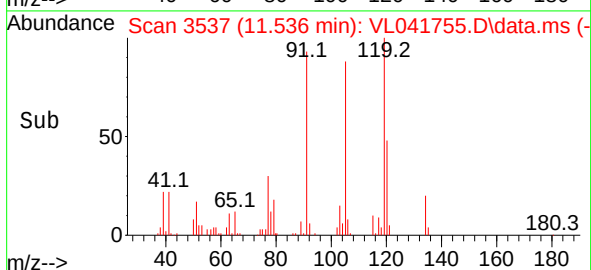
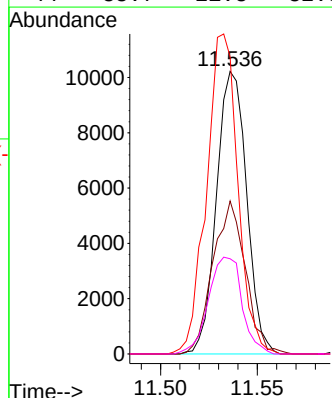
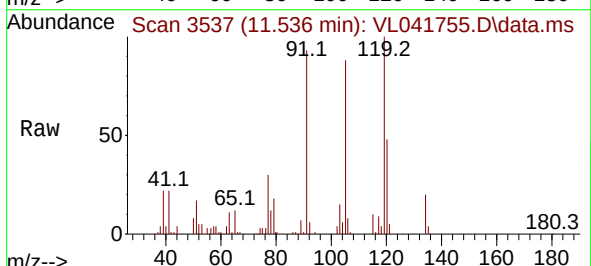
Ion Ratio Lower Upper

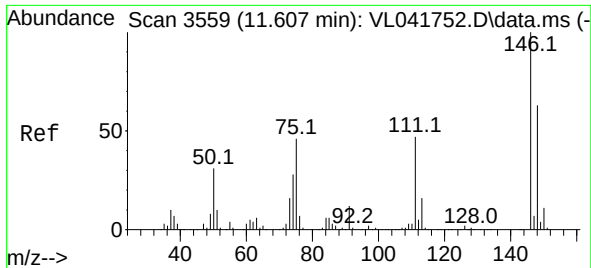
105 100

120 54.1 39.0 58.4

91 105.1 58.1 87.1#

77 33.7 21.8 32.8#





#75

1,3-Dichlorobenzene

Concen: 0.525 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. -0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

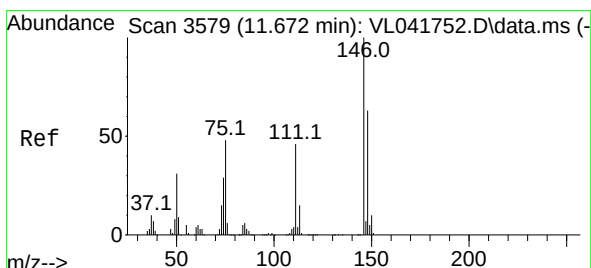
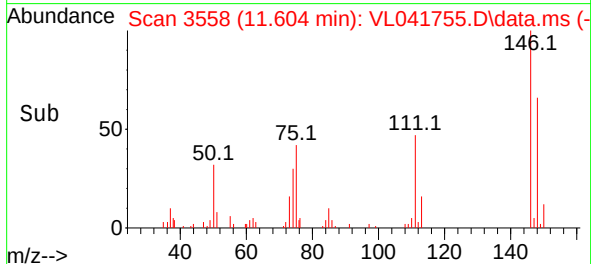
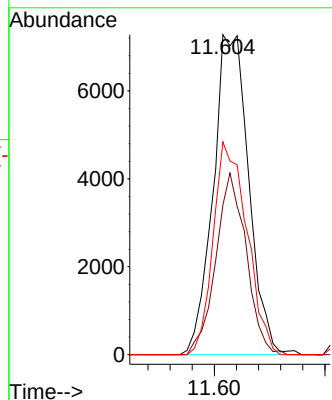
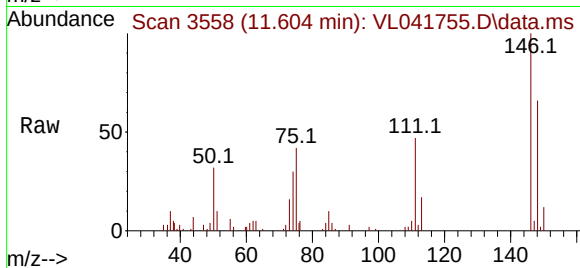
VSTDIC0.5

Tgt Ion:146	Resp:	810
Ion Ratio	Lower	Upper
146	100	
111	48.6	23.4 70.3
148	63.1	31.6 95.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#76

1,4-Dichlorobenzene

Concen: 0.517 ppbv

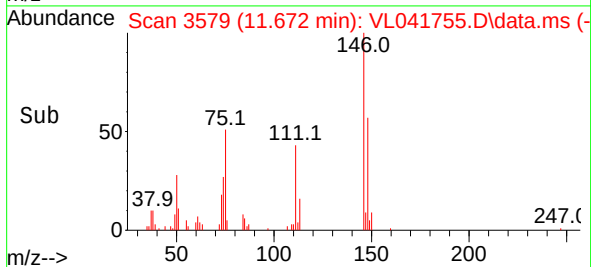
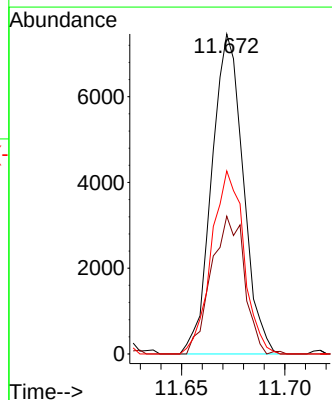
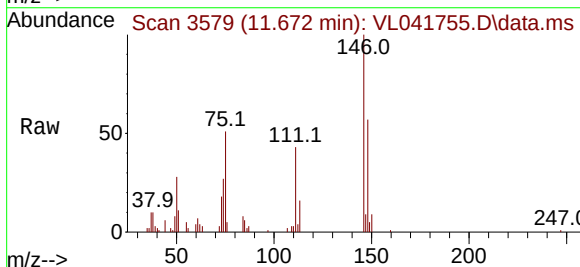
RT: 11.672 min Scan# 3579

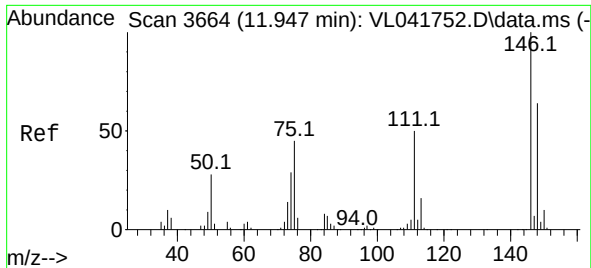
Delta R.T. -0.000 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

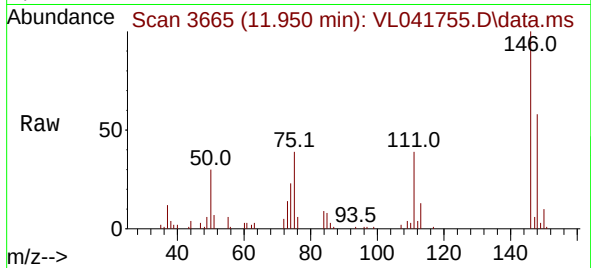
Tgt Ion:146	Resp:	7893
Ion Ratio	Lower	Upper
146	100	
111	45.4	22.7 68.1
148	58.9	31.4 94.0





#77
1,2-Dichlorobenzene
Concen: 0.538 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05

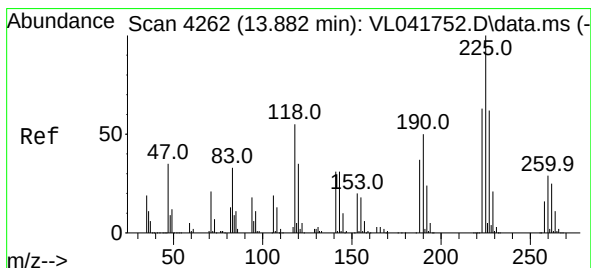
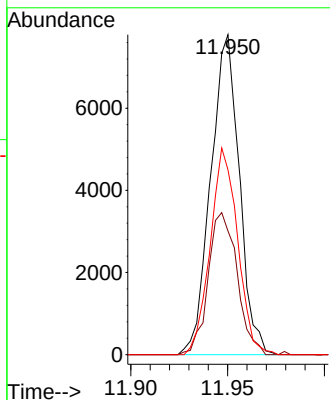
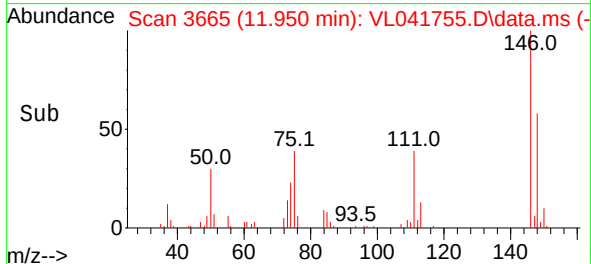
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



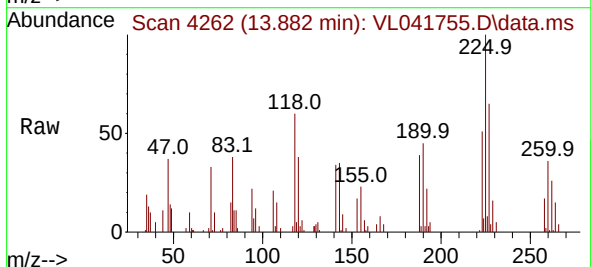
Tgt Ion:146 Resp: 799
Ion Ratio Lower Upper
146 100
111 45.2 24.8 74.3
148 62.0 31.8 95.4

Manual Integrations
APPROVED

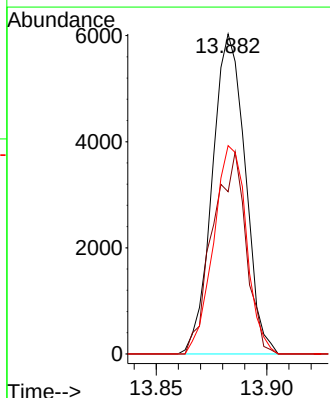
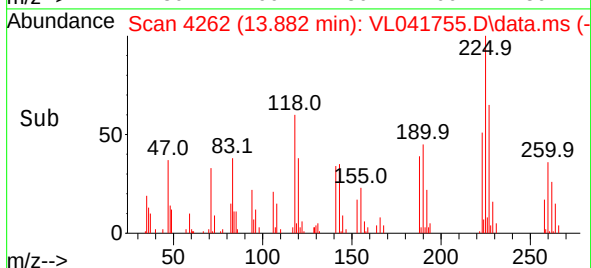
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

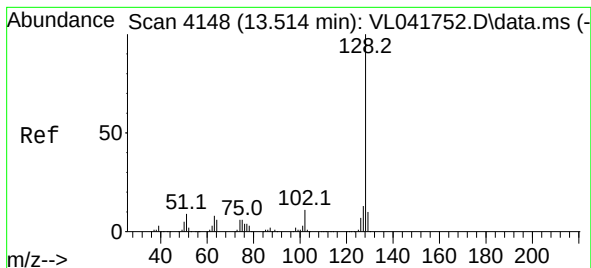


#78
Hexachloro-1,3-Butadiene
Concen: 0.565 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.000 min
Lab File: VL041755.D
Acq: 16 Dec 2024 15:05



Tgt Ion:225 Resp: 6232
Ion Ratio Lower Upper
225 100
223 64.1 50.5 75.7
227 65.3 50.3 75.5





#79

Naphthalene

Concen: 0.436 ppbv

RT: 13.517 min Scan# 4148

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:128 Resp: 7360

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

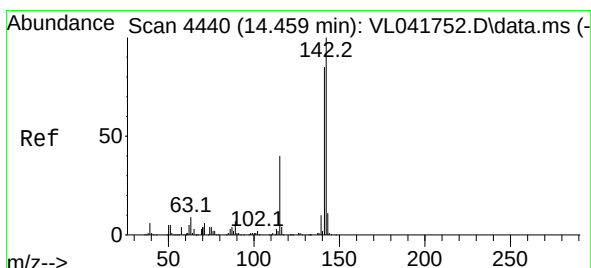
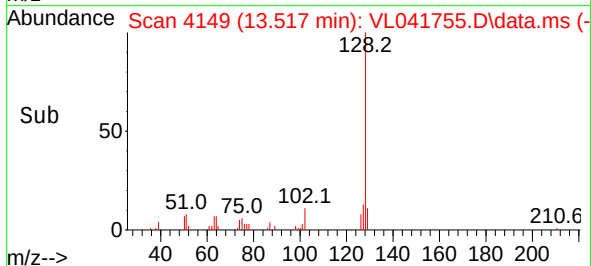
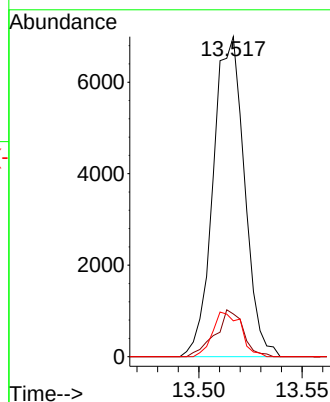
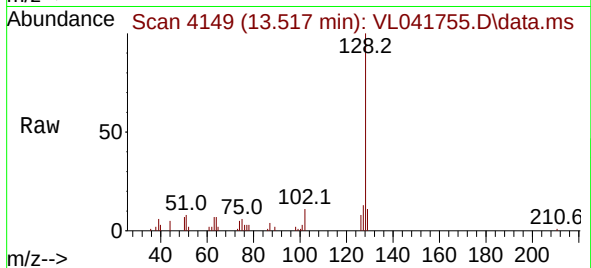
129 11.2 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#80

Naphthalene,2-methyl-

Concen: 0.143 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL041755.D

Acq: 16 Dec 2024 15:05

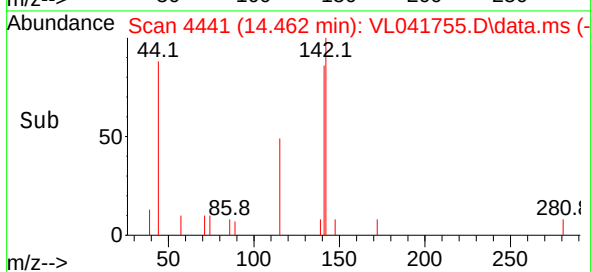
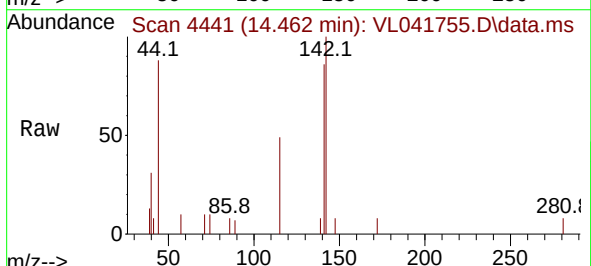
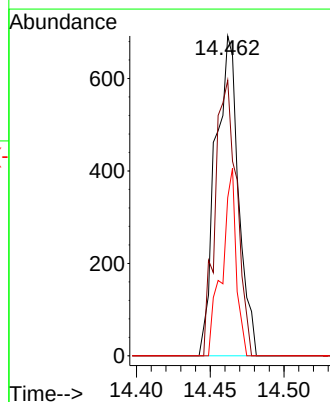
Tgt Ion:142 Resp: 748

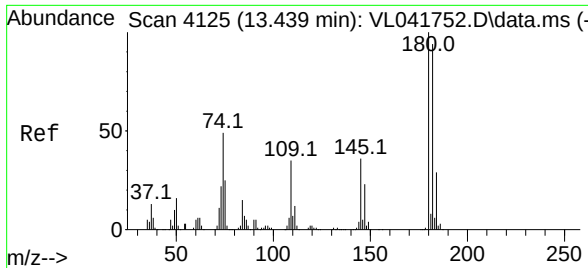
Ion Ratio Lower Upper

142 100

141 80.9 68.4 102.6

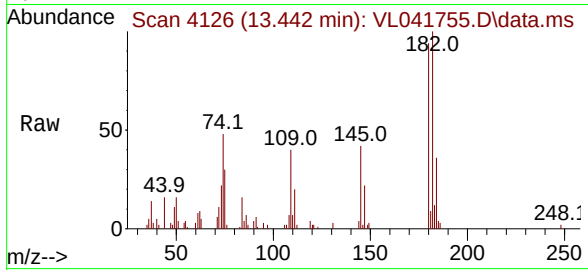
115 36.4 32.5 48.7





#81
 1,2,4-Trichlorobenzene
 Concen: 0.460 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041755.D
 Acq: 16 Dec 2024 15:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 4248
 Ion Ratio Lower Upper
 180 100
 182 104.5 77.0 115.6
 184 31.7 23.8 35.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

