

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041758.D
 Acq On : 16 Dec 2024 16:41
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

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

Quant Time: Dec 19 06:16:40 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	2.784	49	65186	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	176856	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	160457	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 133687 9.998 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	152683	13.163	ppbv	95
3) Chlorodifluoromethane	1.473	51	152455	14.341	ppbv	98
4) Chloromethane	1.531	50	63517	13.996	ppbv	98
5) Vinyl Chloride	1.577	62	62250	13.615	ppbv	99
6) Bromomethane	1.667	94	30345	14.064	ppbv	96
7) Chloroethane	1.703	64	25650	14.442	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	148190	14.274	ppbv	99
9) Propene	1.483	41	61515	13.351	ppbv	99
10) Heptane	4.978	43	168804	14.263	ppbv	100
11) Trichlorofluoromethane	1.874	101	177984	14.446	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	135538	14.464	ppbv	98
13) Ethanol	1.719	45	3643	9.509	ppbv	100
14) Bromoethene	1.780	108	47132	14.898	ppbv	99
15) Acetone	1.832	43	142980	11.273	ppbv	100
16) 1,3-Butadiene	1.606	39	68311	13.678	ppbv	98
17) tert-Butyl alcohol	2.036	59	177908	14.140	ppbv	99
18) 1,1-Dichloroethene	2.033	96	57770	14.705	ppbv	99
19) Isopropyl Alcohol	1.884	45	82211	10.802	ppbv	99
20) Methylene Chloride	2.059	84	48356	13.371	ppbv	99
21) Allyl Chloride	2.094	41	101528	14.760	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	65029	14.461	ppbv	97
23) Vinyl Acetate	2.460	43	80795	14.661	ppbv	98
24) 1,1-Dichloroethane	2.405	63	131030	14.394	ppbv	100
25) Ethyl Acetate	2.832	43	341429	14.402	ppbv	100
26) Hexane	2.823	57	128657	14.369	ppbv	99
27) Carbon Disulfide	2.149	76	134963	16.726	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	100758	13.871	ppbv	100
29) Chloroform	2.845	83	197713	14.489	ppbv	99
30) Cyclohexane	3.855	84	110448	14.497	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	132821	14.355	ppbv	99
32) 1,1,1-Trichloroethane	3.366	97	204468	15.055	ppbv	100
34) 2-Butanone	2.554	43	195439	13.736	ppbv	99
35) Carbon Tetrachloride	3.761	117	206252	16.428	ppbv	94
36) Benzene	3.654	78	259630	14.192	ppbv	99
37) 1,2-Dichloroethane	3.214	62	166576	14.633	ppbv	100
38) Trichloroethene	4.548	130	104184	13.525	ppbv	95
39) 1,2-Dichloropropane	4.312	63	93624	14.150	ppbv	97
40) 1,4-Dioxane	4.577	88	44377	13.730	ppbv #	96
41) Tetrahydrofuran	3.052	42	113618	14.254	ppbv	100
42) Bromodichloromethane	4.486	83	211145	16.123	ppbv	96
43) Methyl Methacrylate	4.878	69	107165	15.374	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	445947	14.274	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	115159	15.973	ppbv	97

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

Quant Time: Dec 19 06:16:40 2024

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

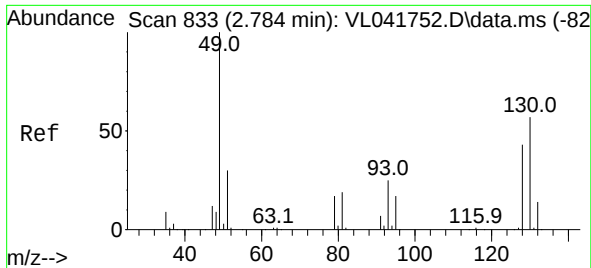
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	143172	15.643	ppbv	95
47) 1,1,2-Trichloroethane	6.580	97	98426	14.242	ppbv	94
48) Dibromochloromethane	7.386	129	161661	17.131	ppbv	100
49) Bromoform	9.484	173	137786	17.838	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	285467	14.735	ppbv	99
51) 2-Hexanone	7.435	43	232363	14.798	ppbv #	100
52) Tetrachloroethene	8.225	164	93120	13.675	ppbv	98
53) Toluene	6.930	91	301428	14.533	ppbv	100
54) 1,2-Dibromoethane	7.652	107	139889	14.690	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	128108	15.059	ppbv	99
57) Chlorobenzene	8.924	112	227716	13.869	ppbv	100
58) Ethyl Benzene	9.354	91	425852	14.742	ppbv	99
59) m/p-Xylene	9.552	91	678656m	29.209	ppbv	
60) o-Xylene	9.963	91	337891	14.506	ppbv	100
61) Styrene	9.869	104	165328	16.415	ppbv	100
62) Isopropylbenzene	10.539	105	506570	14.475	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	201057	13.790	ppbv	100
64) n-propylbenzene	10.989	120	129200	14.602	ppbv	97
65) tert-Butylbenzene	11.532	119	446690	14.148	ppbv	98
66) Benzyl Chloride	11.617	91	45189	16.234	ppbv	99
67) sec-Butylbenzene	11.769	105	624565	14.295	ppbv	99
69) p-Isopropyltoluene	11.927	119	528265	14.671	ppbv	99
70) n-Butylbenzene	12.283	91	525377	15.101	ppbv	100
71) 2-Chlorotoluene	10.901	91	387300	14.498	ppbv	100
72) 4-Ethyltoluene	11.125	105	409822	14.934	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	350895	15.383	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	371476	15.144	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	219506	14.036	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	222290	14.388	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	205737	13.672	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	138481	12.412	ppbv	100
79) Naphthalene	13.513	128	301006	17.611	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	161927	30.630	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	146340	15.669	ppbv	99

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



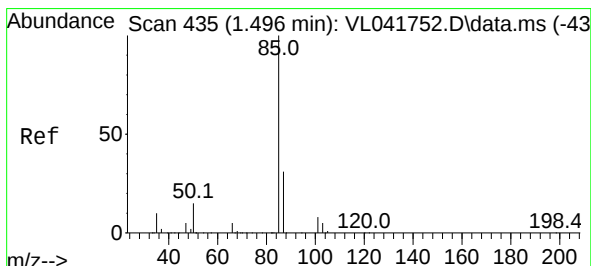
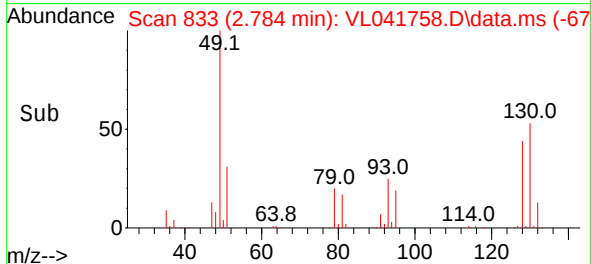
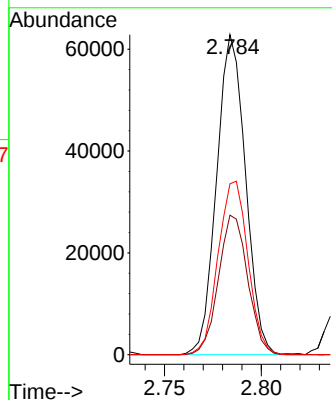
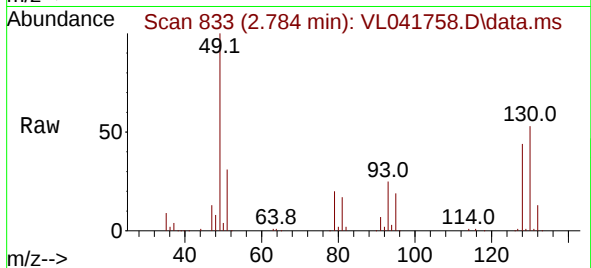
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 49 Resp: 65180
Ion Ratio Lower Upper
49 100
128 44.0 21.6 64.6
130 56.0 28.3 85.0

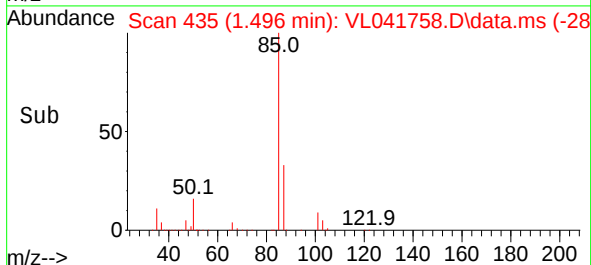
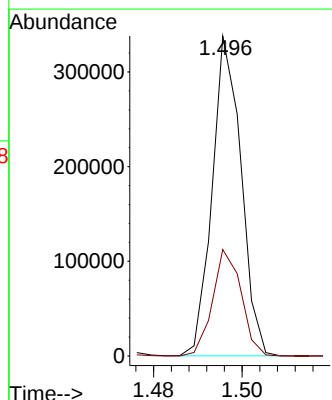
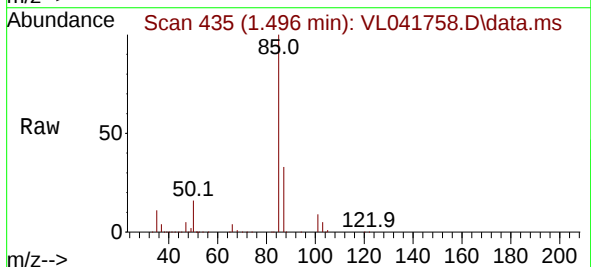
Manual Integrations
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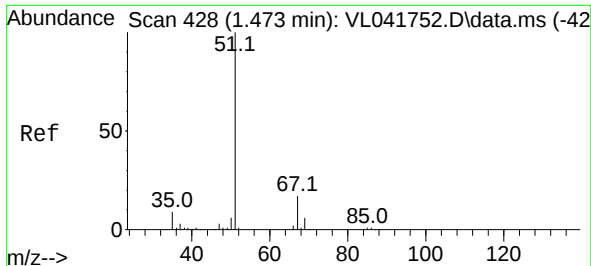
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#2
Dichlorodifluoromethane
Concen: 13.163 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 85 Resp: 152683
Ion Ratio Lower Upper
85 100
87 33.3 24.5 36.7





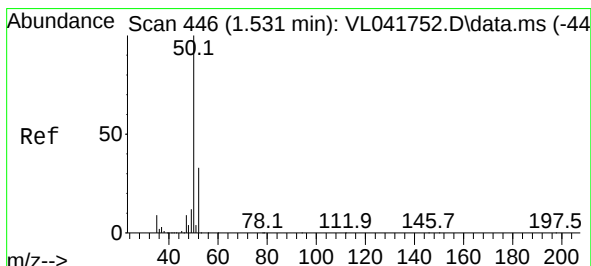
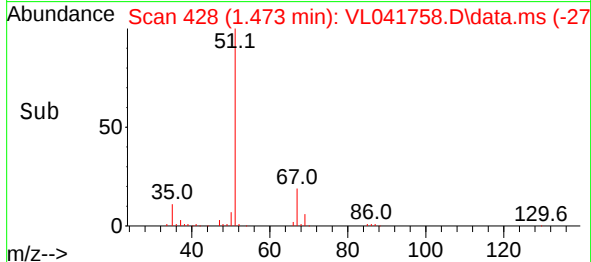
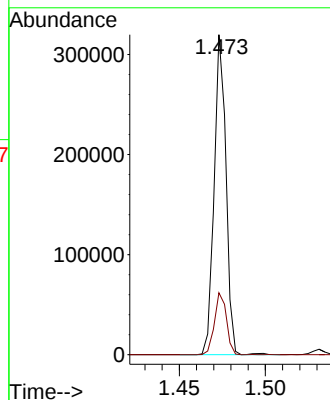
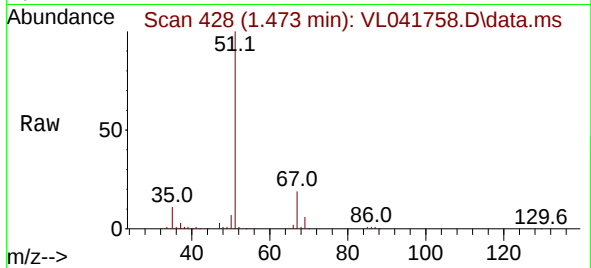
#3
Chlorodifluoromethane
Concen: 14.341 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 15245
Ion Ratio Lower Upper
51 100
67 19.6 15.0 22.4

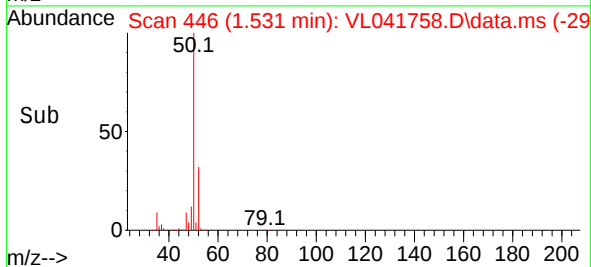
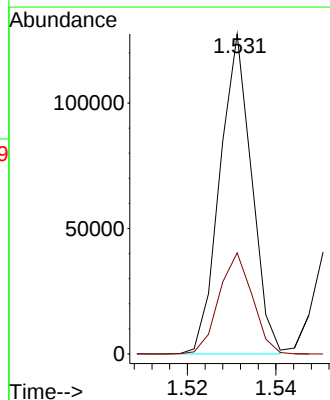
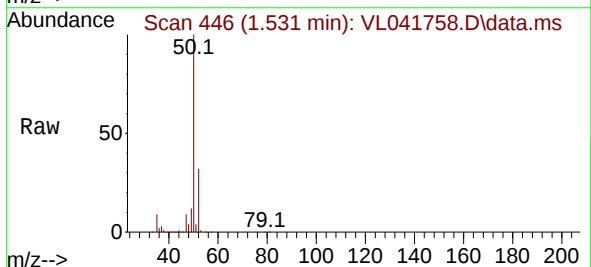
Manual Integrations
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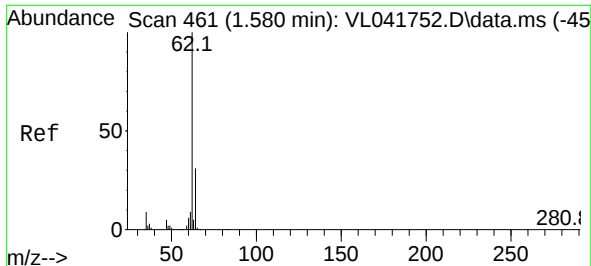
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#4
Chloromethane
Concen: 13.996 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

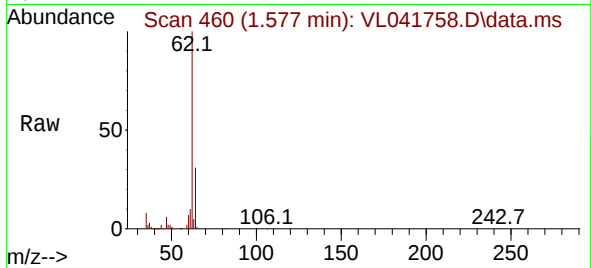
Tgt Ion: 50 Resp: 63517
Ion Ratio Lower Upper
50 100
52 31.5 26.2 39.2





#5
Vinyl Chloride
Concen: 13.615 ppbv
RT: 1.577 min Scan# 461
Delta R.T. -0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

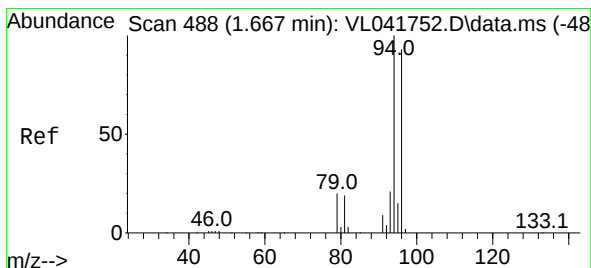
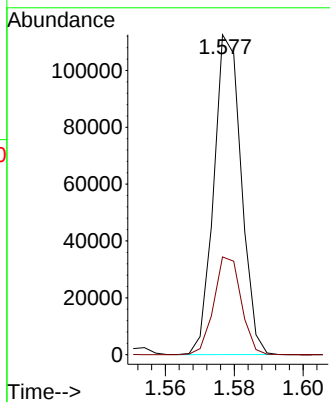
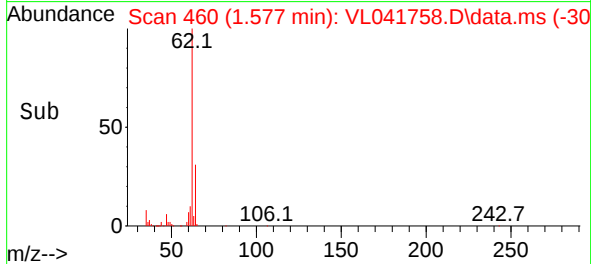
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 62 Resp: 62250
Ion Ratio Lower Upper
62 100
64 30.6 25.1 37.7

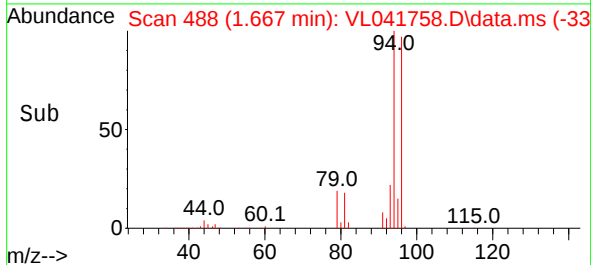
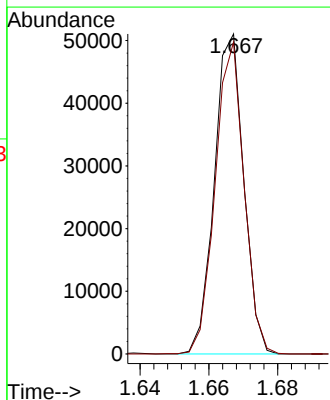
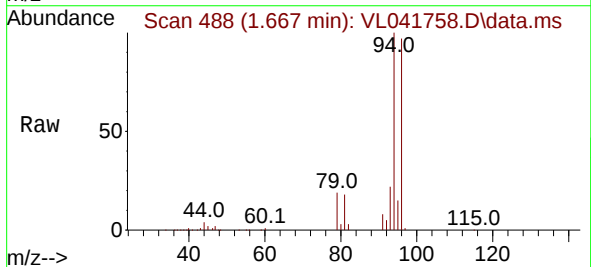
Manual Integrations
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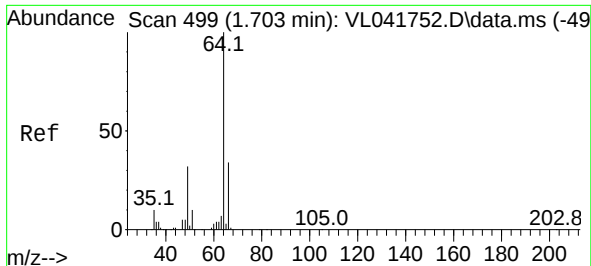
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#6
Bromomethane
Concen: 14.064 ppbv
RT: 1.667 min Scan# 488
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

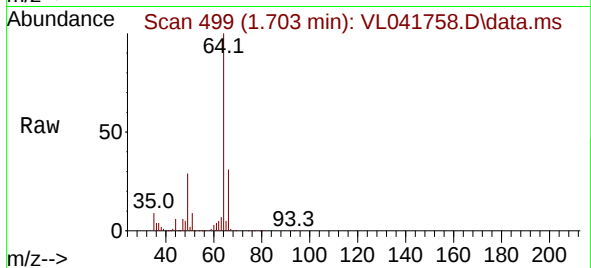
Tgt Ion: 94 Resp: 30345
Ion Ratio Lower Upper
94 100
96 97.3 74.7 112.1





#7
Chloroethane
Concen: 14.442 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

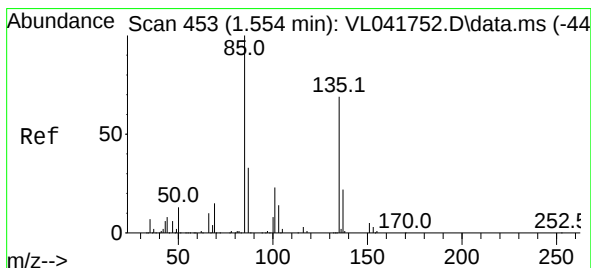
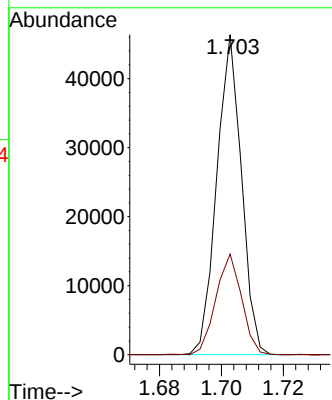
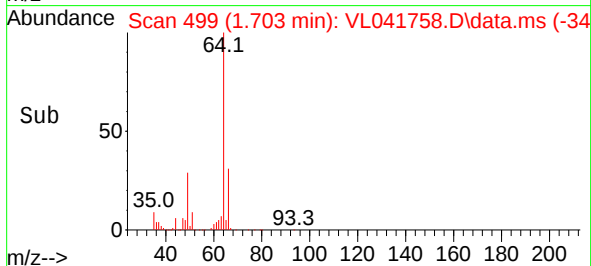
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion: 64 Resp: 25650
Ion Ratio Lower Upper
64 100
66 31.5 27.5 41.3

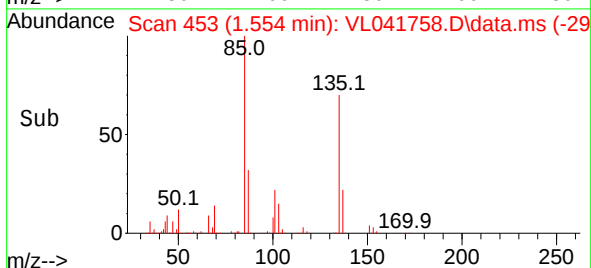
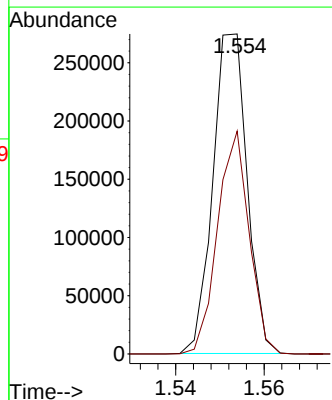
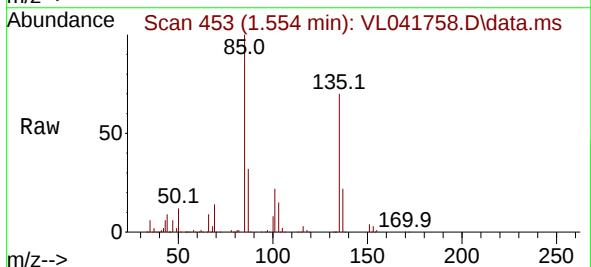
Manual Integrations
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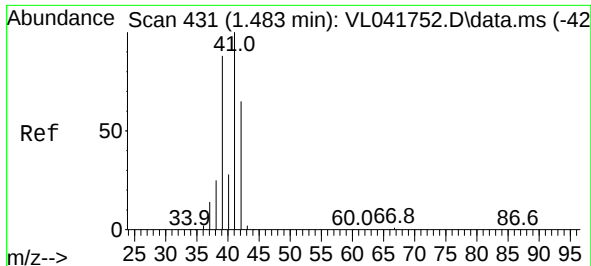
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#8
Dichlorotetrafluoroethane
Concen: 14.274 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 85 Resp: 148190
Ion Ratio Lower Upper
85 100
135 64.1 51.9 77.9





#9

Propene

Concen: 13.351 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 41 Resp: 6151

Ion Ratio Lower Upper

41 100

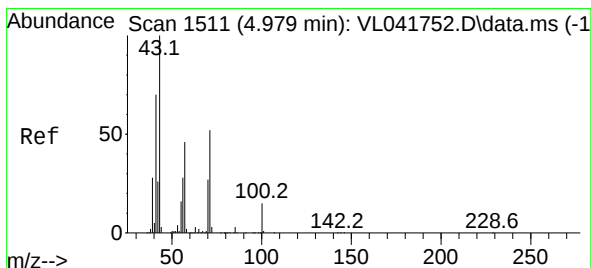
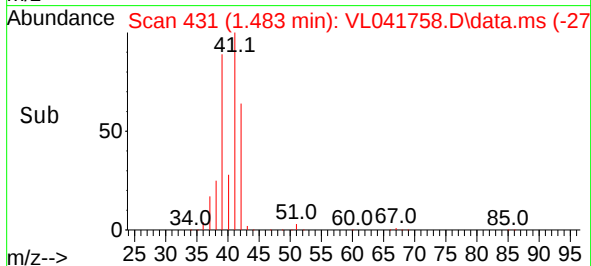
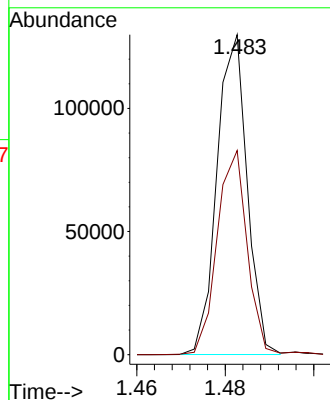
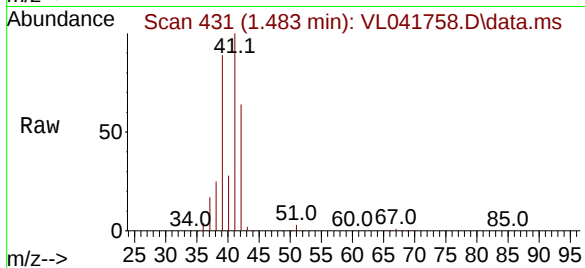
42 64.4 52.4 78.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#10

Heptane

Concen: 14.263 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VL041758.D

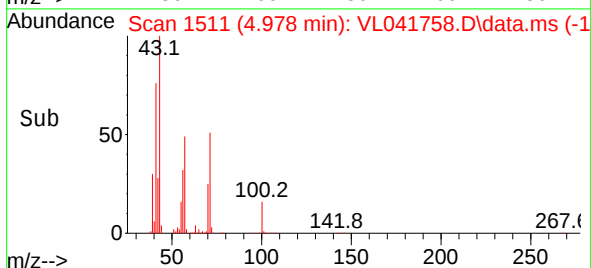
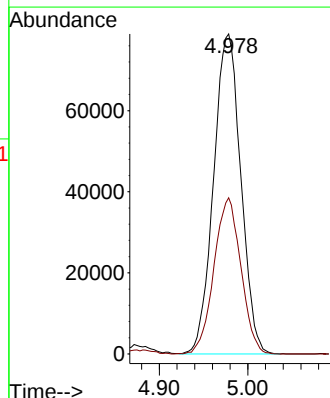
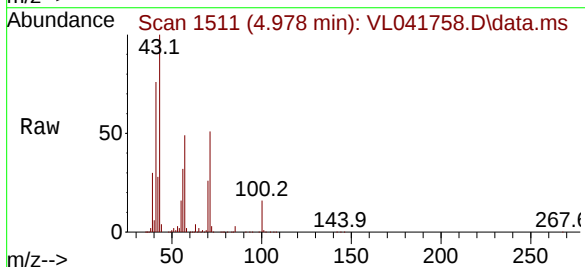
Acq: 16 Dec 2024 16:41

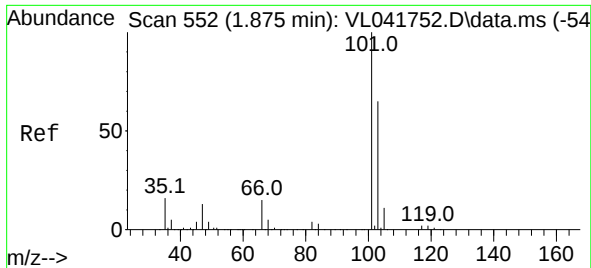
Tgt Ion: 43 Resp: 168804

Ion Ratio Lower Upper

43 100

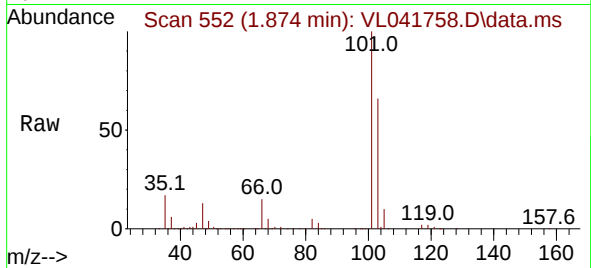
57 48.2 38.5 57.7





#11
Trichlorofluoromethane
Concen: 14.446 ppbv
RT: 1.874 min Scan# 552
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

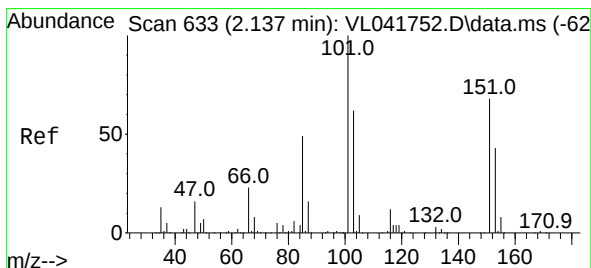
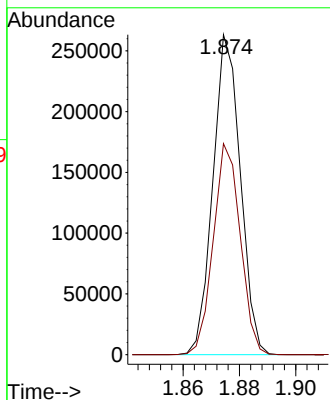
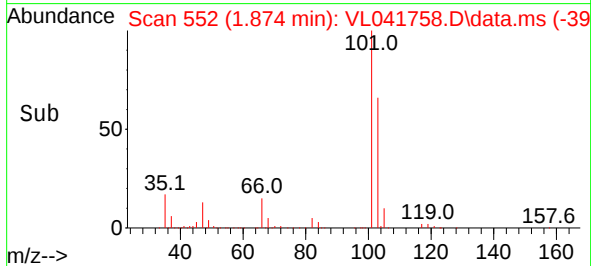
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



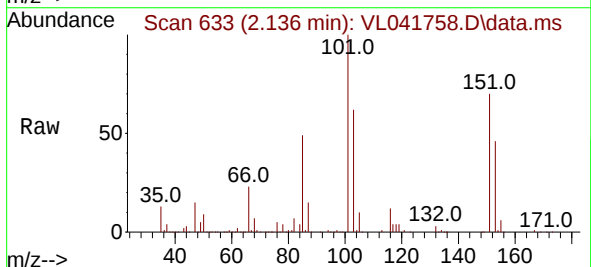
Tgt Ion:101 Resp: 177984
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.8

Manual Integrations
APPROVED

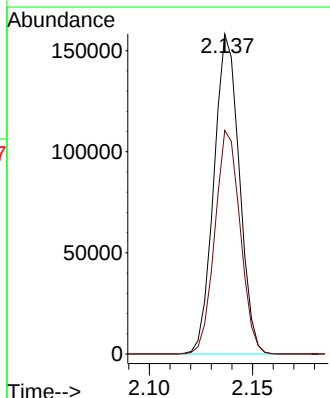
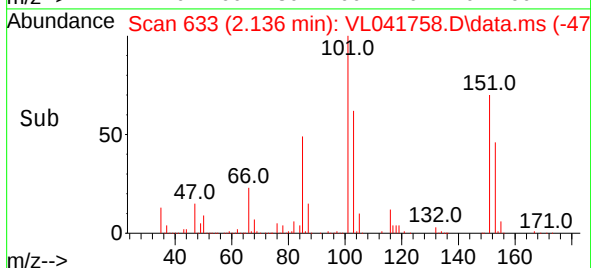
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

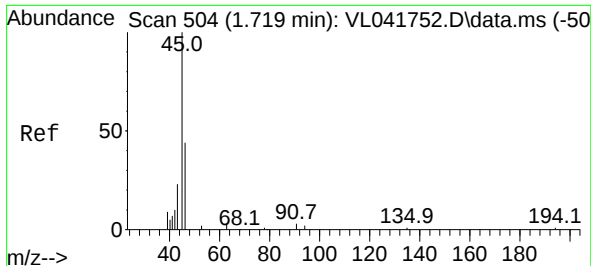


#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.464 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41



Tgt Ion:101 Resp: 135538
Ion Ratio Lower Upper
101 100
151 69.6 56.8 85.2





#13

Ethanol

Concen: 9.509 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 45 Resp: 364

Ion Ratio Lower Upper

45 100

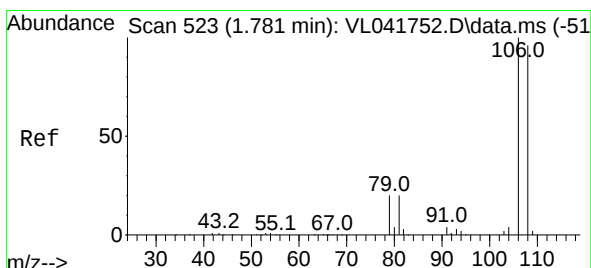
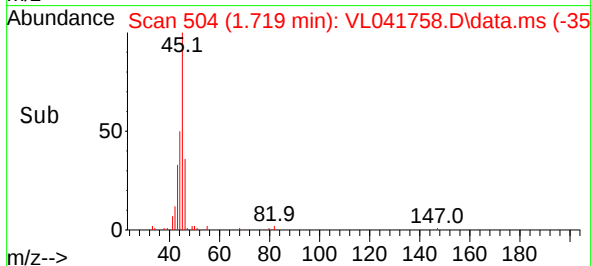
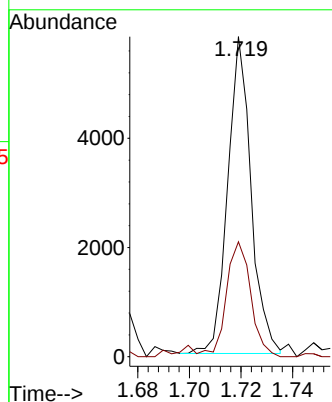
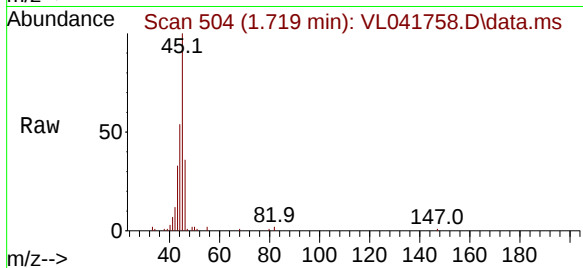
46 41.2 16.4 65.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#14

Bromoethene

Concen: 14.898 ppbv

RT: 1.780 min Scan# 523

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

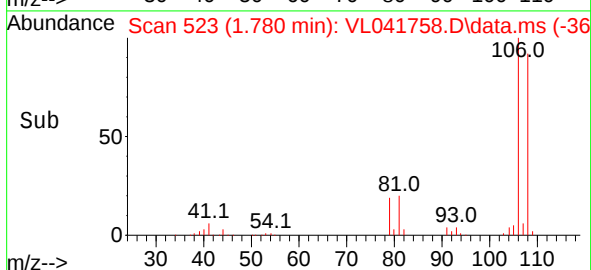
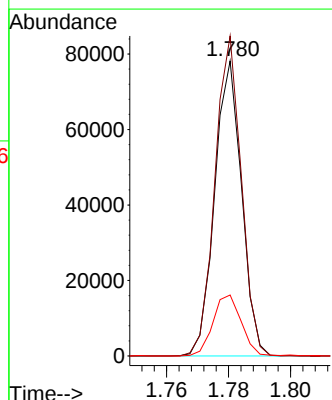
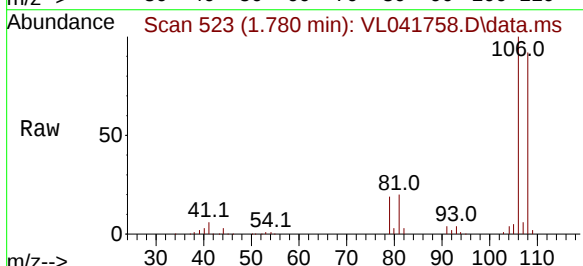
Tgt Ion:108 Resp: 47132

Ion Ratio Lower Upper

108 100

106 105.9 84.1 126.1

79 22.1 17.4 26.0





#15

Acetone

Concen: 11.273 ppbv

RT: 1.832 min Scan# 539

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 43 Resp: 142980

Ion Ratio Lower Upper

43 100

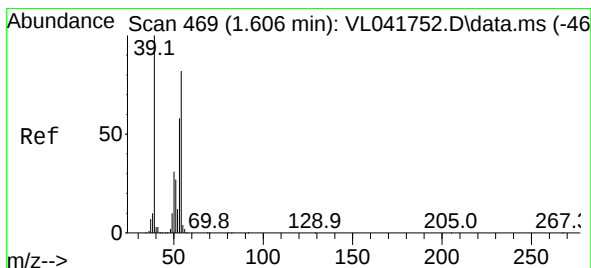
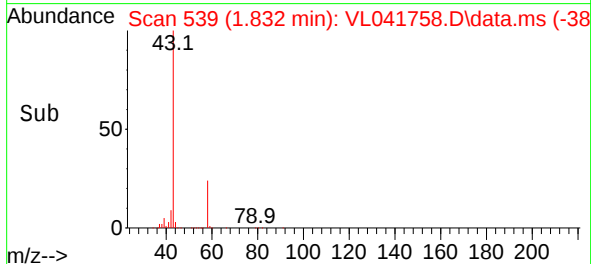
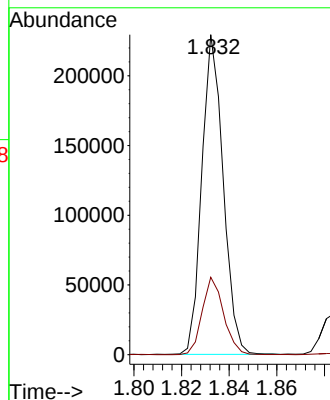
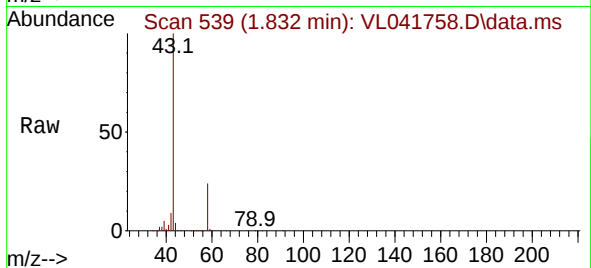
58 24.4 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#16

1,3-Butadiene

Concen: 13.678 ppbv

RT: 1.606 min Scan# 469

Delta R.T. -0.000 min

Lab File: VL041758.D

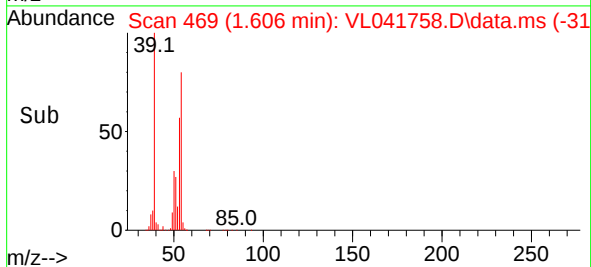
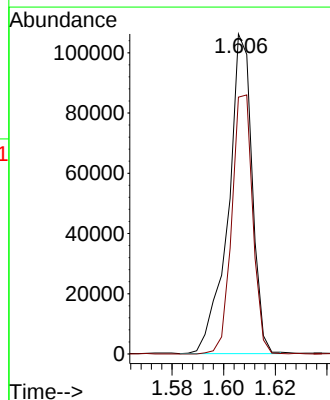
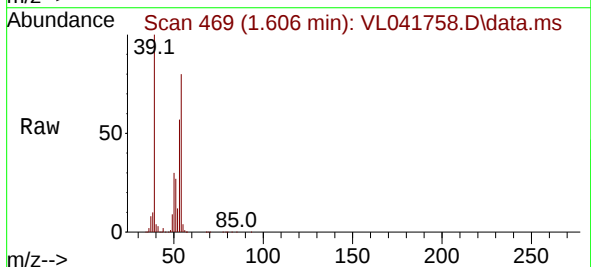
Acq: 16 Dec 2024 16:41

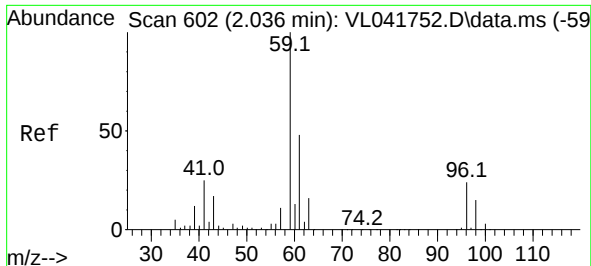
Tgt Ion: 39 Resp: 68311

Ion Ratio Lower Upper

39 100

54 71.3 58.4 87.6





#17
tert-Butyl alcohol
Concen: 14.140 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

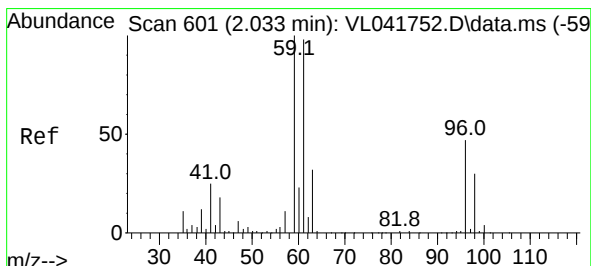
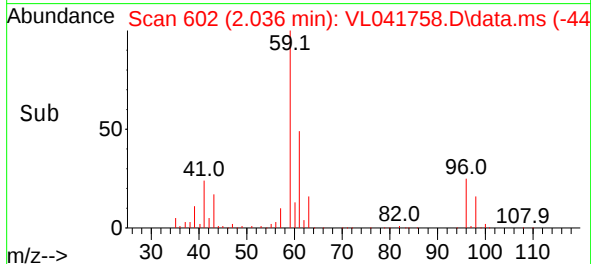
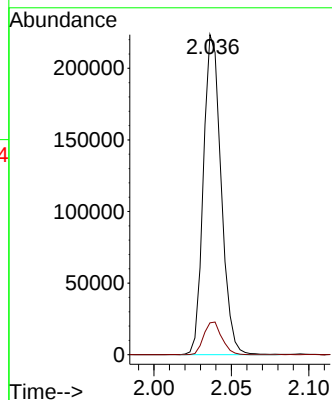
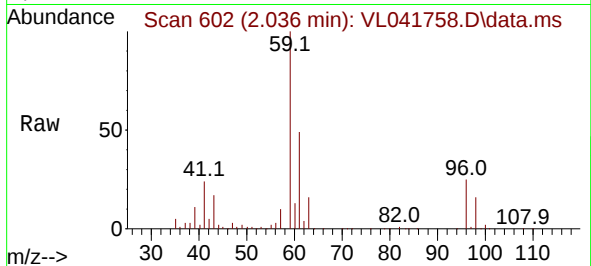
VSTDIC015

Tgt Ion: 59 Resp: 177908
Ion Ratio Lower Upper
59 100
57 10.4 8.6 13.0

Manual Integrations

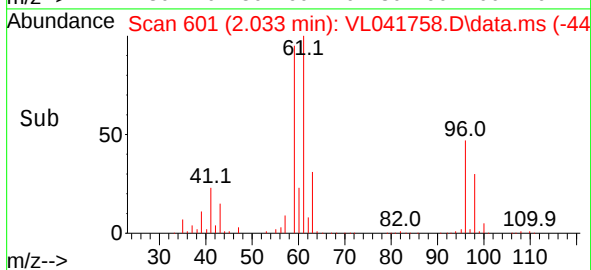
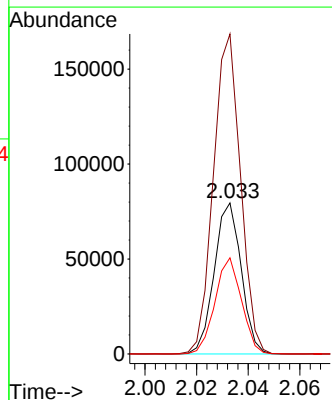
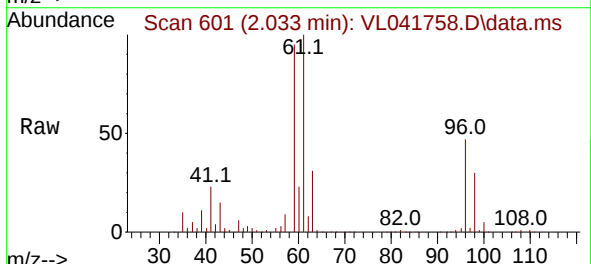
APPROVED

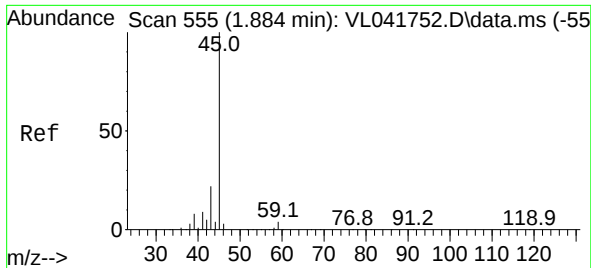
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#18
1,1-Dichloroethene
Concen: 14.705 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 96 Resp: 57770
Ion Ratio Lower Upper
96 100
61 211.8 167.7 251.5
98 63.6 51.1 76.7





#19

Isopropyl Alcohol

Concen: 10.802 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 45 Resp: 8221

Ion Ratio Lower Upper

45 100

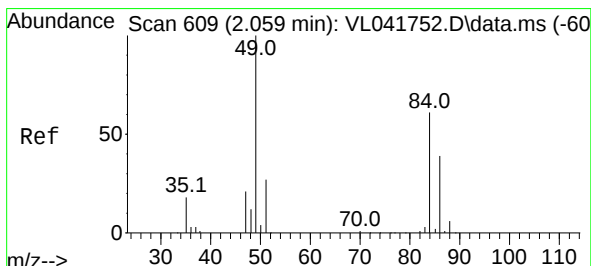
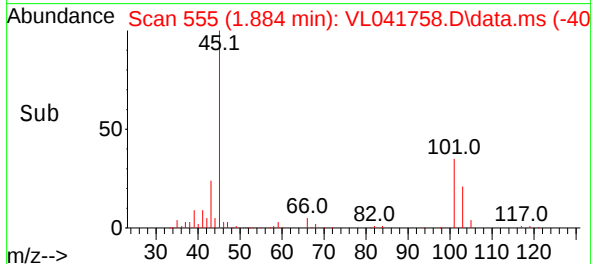
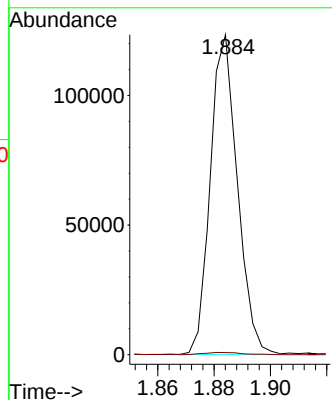
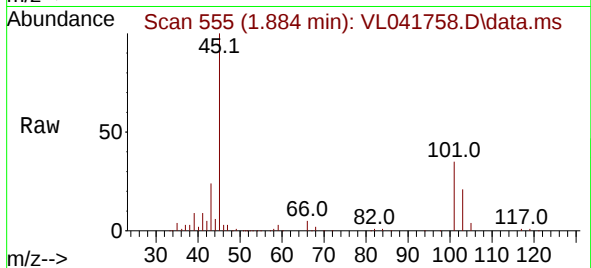
58 42.5 33.3 49.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#20

Methylene Chloride

Concen: 13.371 ppbv

RT: 2.059 min Scan# 609

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 84 Resp: 48356

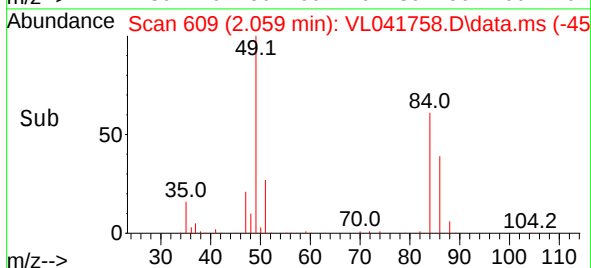
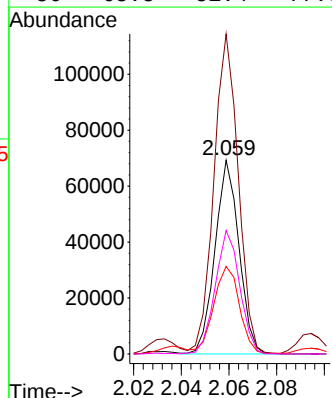
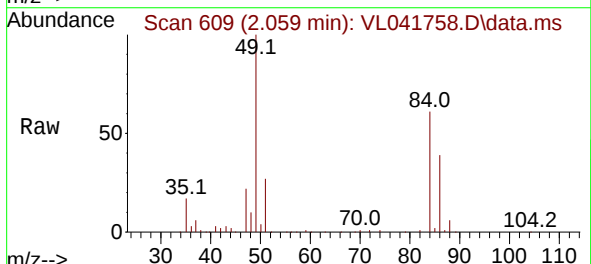
Ion Ratio Lower Upper

84 100

49 164.9 132.6 198.8

51 44.9 37.6 56.4

86 63.8 51.4 77.0





#21

Allyl Chloride

Concen: 14.760 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 101528

Ion Ratio Lower Upper

41 100

76 27.3 22.3 33.5

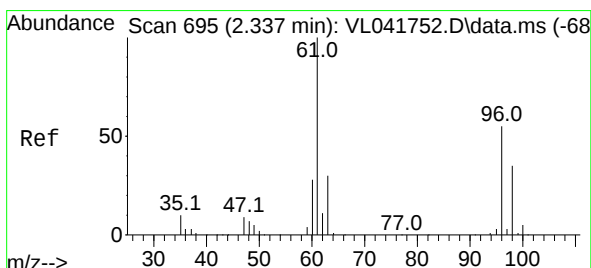
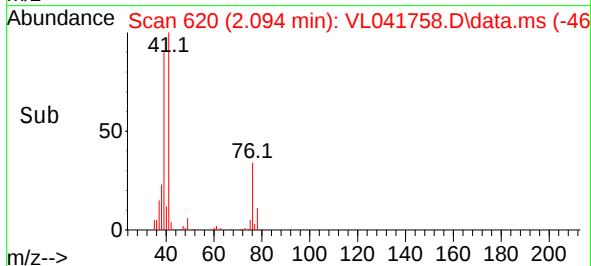
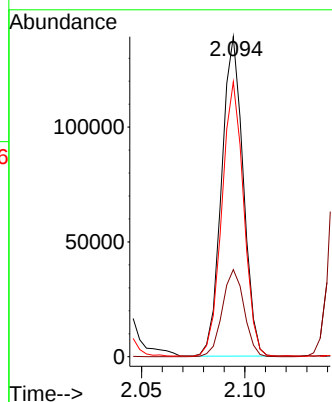
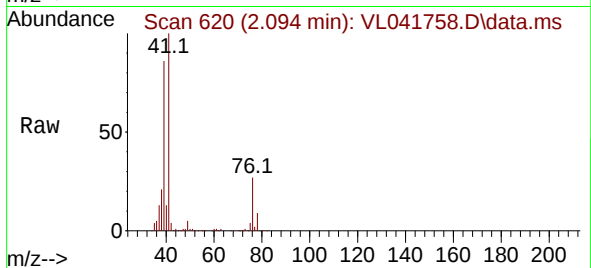
39 86.2 69.2 103.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#22

trans-1,2-Dichloroethene

Concen: 14.461 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

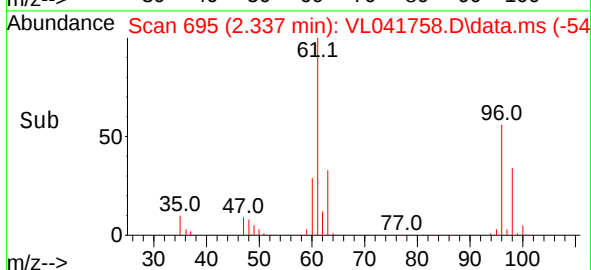
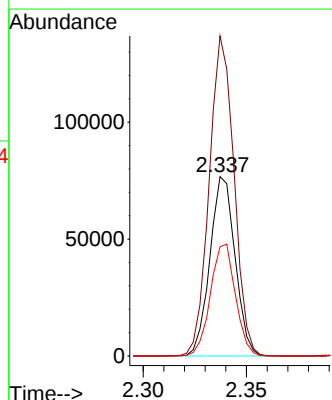
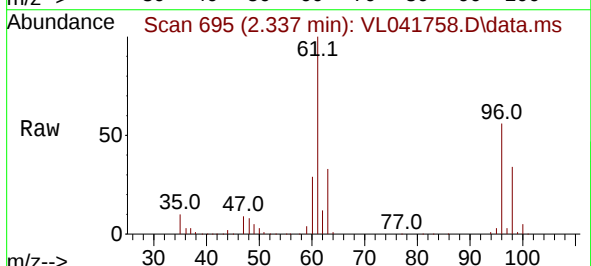
Tgt Ion: 96 Resp: 65029

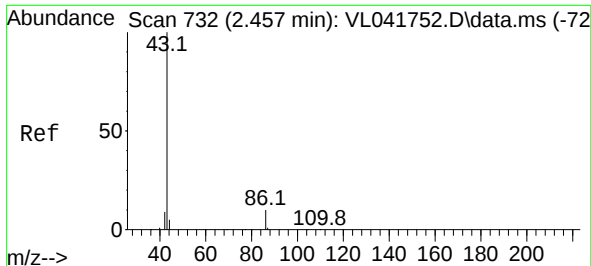
Ion Ratio Lower Upper

96 100

61 178.4 146.3 219.5

98 60.9 50.8 76.2





#23
 Vinyl Acetate
 Concen: 14.661 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

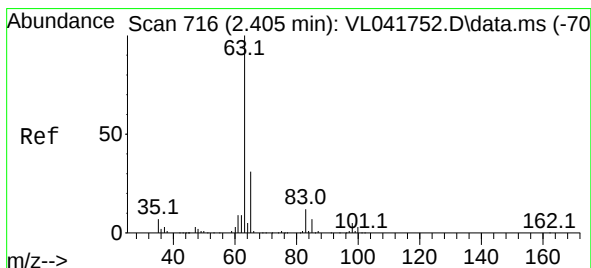
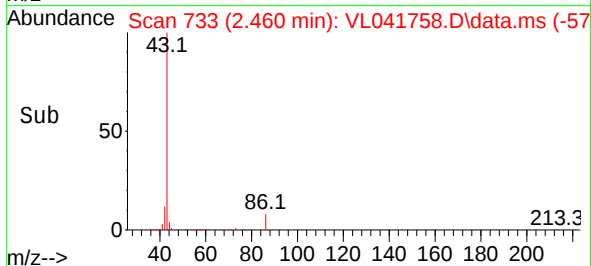
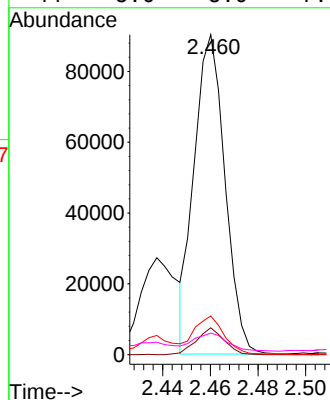
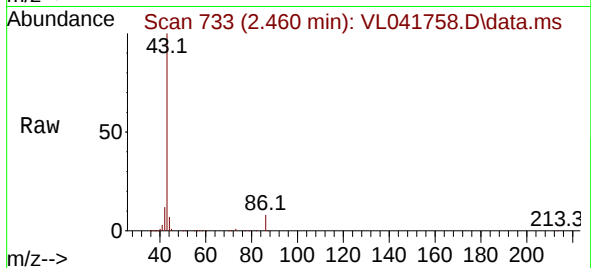
VSTDICC015

Tgt Ion: 43 Resp: 80795
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.6 10.0
 42 11.8 8.2 12.2
 44 5.6 5.0 7.4

Manual Integrations

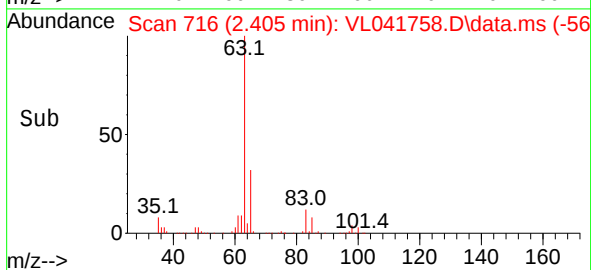
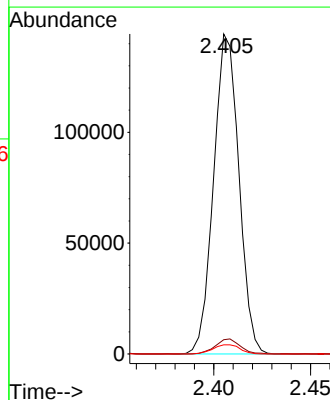
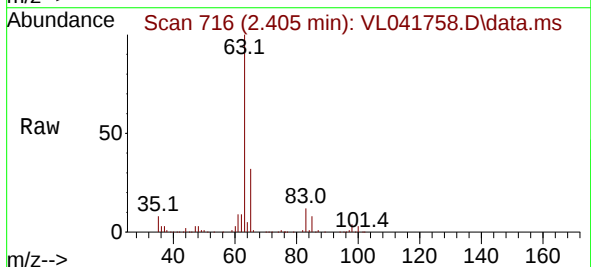
APPROVED

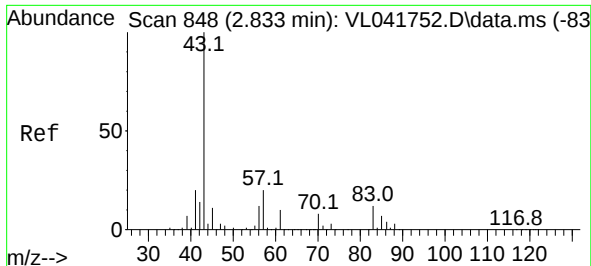
Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024



#24
 1,1-Dichloroethane
 Concen: 14.394 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL041758.D
 Acq: 16 Dec 2024 16:41

Tgt Ion: 63 Resp: 131030
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.3 6.8
 100 2.8 1.4 4.2





#25
Ethyl Acetate
Concen: 14.402 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

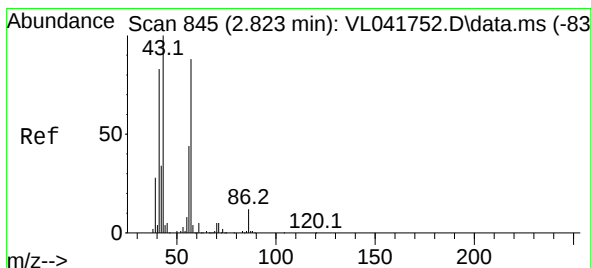
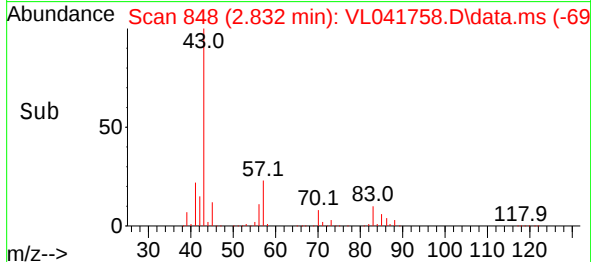
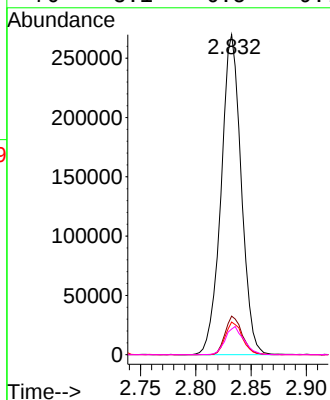
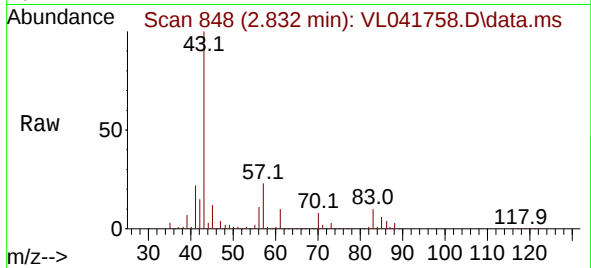
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 341429

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	8.7	7.0	10.6
70	8.1	6.5	9.7

Manual Integrations
APPROVED

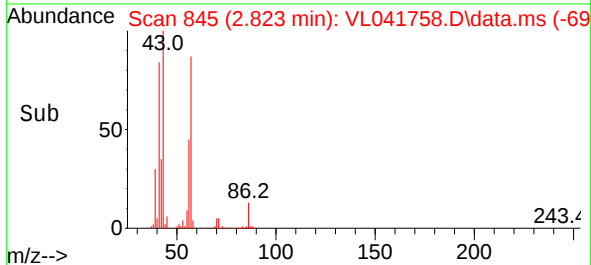
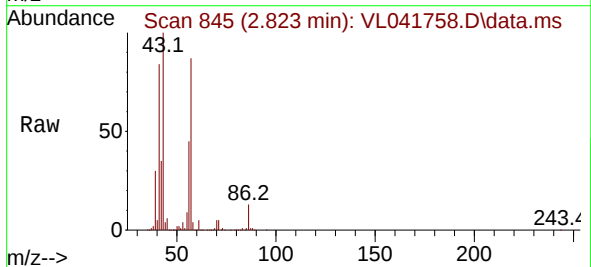
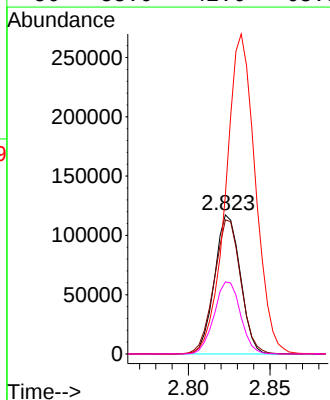
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

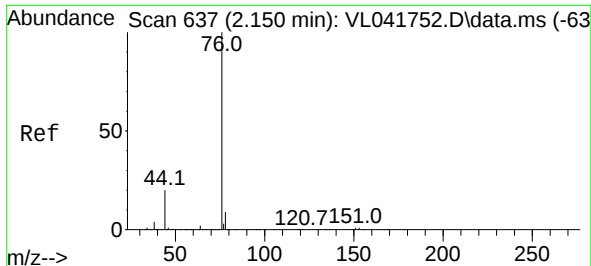


#26
Hexane
Concen: 14.369 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 57 Resp: 128657

Ion	Ratio	Lower	Upper
57	100		
41	100.1	79.6	119.4
43	265.4	211.0	316.6
56	53.0	42.6	63.8





#27

Carbon Disulfide

Concen: 16.726 ppbv

RT: 2.149 min Scan# 637

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 76 Resp: 134963

Ion Ratio Lower Upper

76 100

44 22.4 17.6 26.4

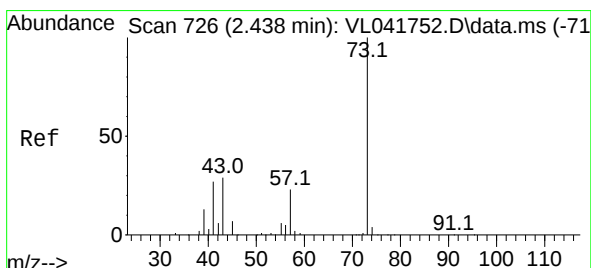
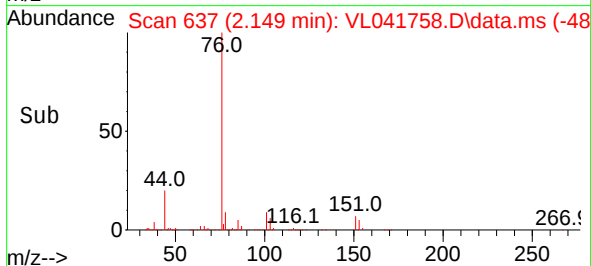
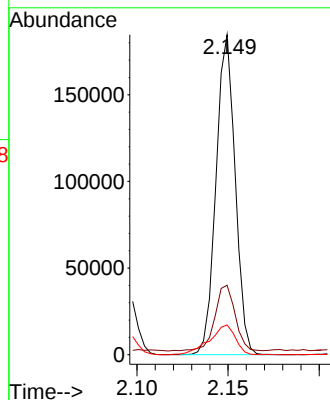
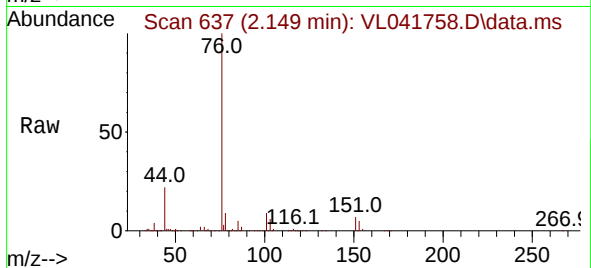
78 12.5 10.2 15.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#28

Methyl tert-Butyl Ether

Concen: 13.871 ppbv

RT: 2.438 min Scan# 726

Delta R.T. -0.000 min

Lab File: VL041758.D

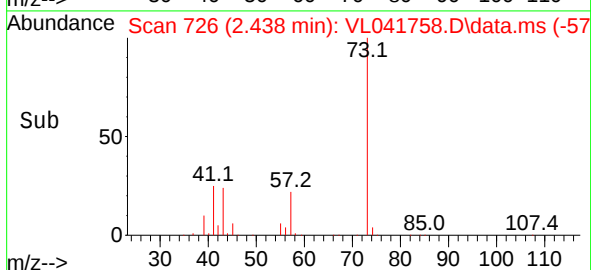
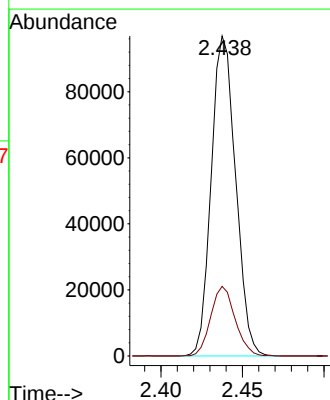
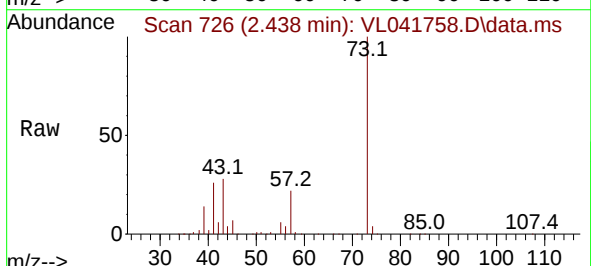
Acq: 16 Dec 2024 16:41

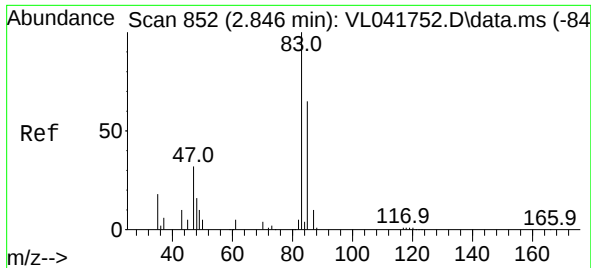
Tgt Ion: 73 Resp: 100758

Ion Ratio Lower Upper

73 100

57 21.8 17.6 26.4





#29

Chloroform

Concen: 14.489 ppbv

RT: 2.845 min Scan# 852

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 83 Resp: 197713

Ion Ratio Lower Upper

83 100

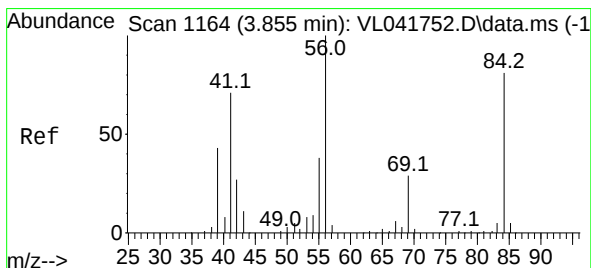
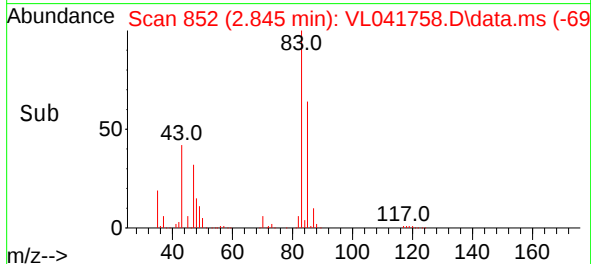
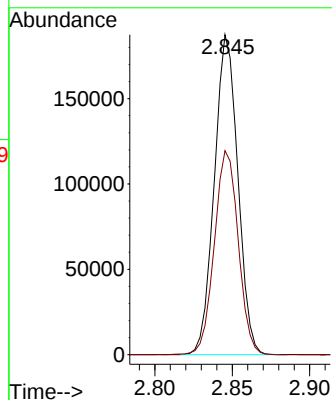
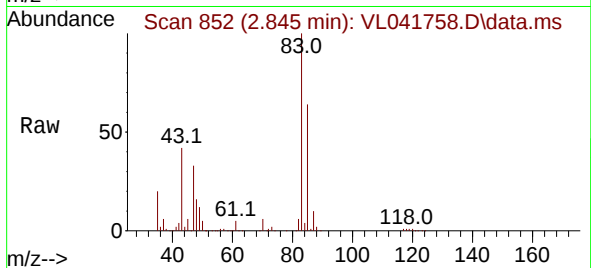
85 63.7 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#30

Cyclohexane

Concen: 14.497 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

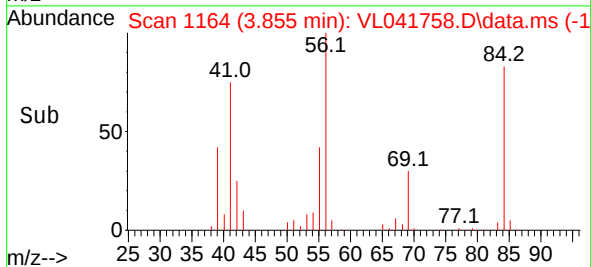
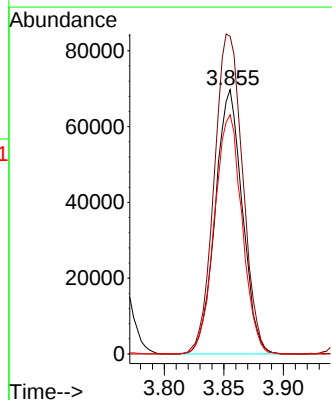
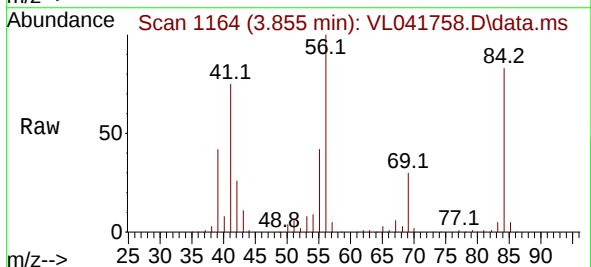
Tgt Ion: 84 Resp: 110448

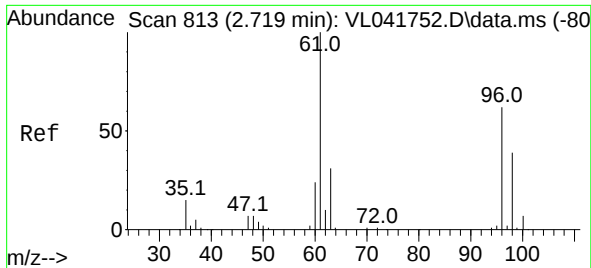
Ion Ratio Lower Upper

84 100

56 126.9 102.3 153.5

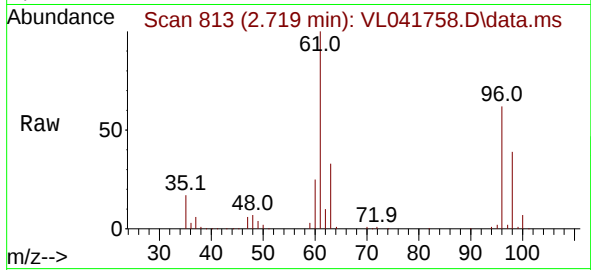
41 92.2 74.0 111.0





#31
cis-1,2-Dichloroethene
Concen: 14.355 ppbv
RT: 2.719 min Scan# 813
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

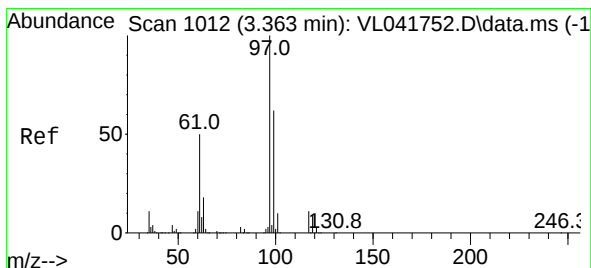
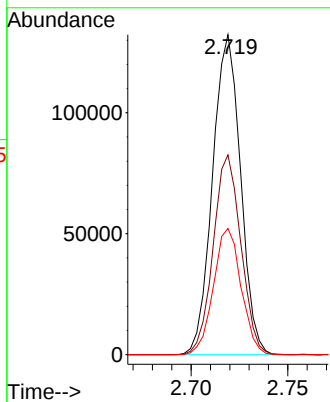
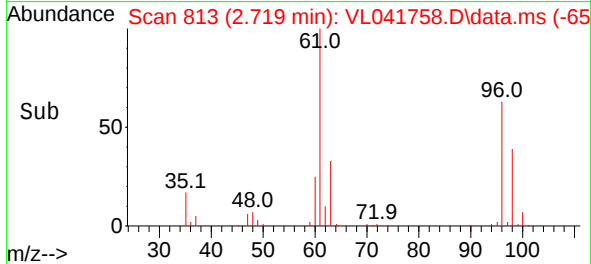
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



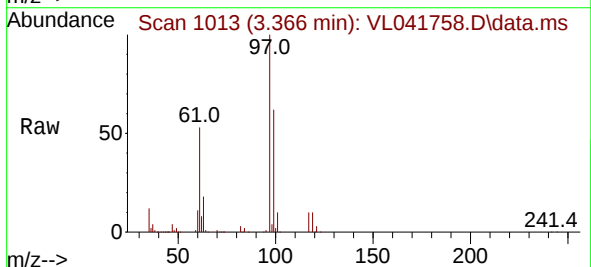
Tgt Ion: 61 Resp: 13282
Ion Ratio Lower Upper
61 100
96 62.4 49.7 74.5
98 39.4 30.8 46.2

Manual Integrations
APPROVED

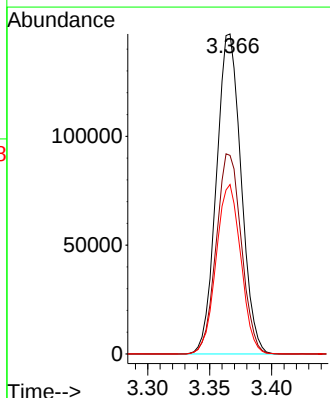
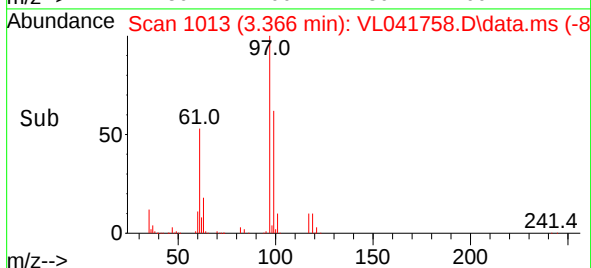
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

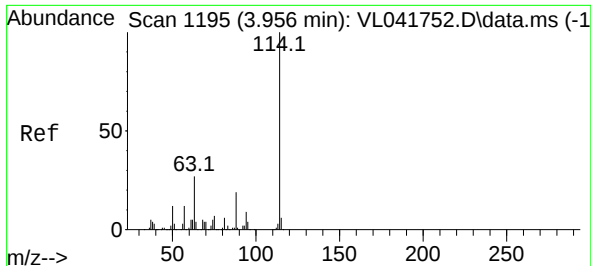


#32
1,1,1-Trichloroethane
Concen: 15.055 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41



Tgt Ion: 97 Resp: 204468
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.4
61 53.1 42.2 63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

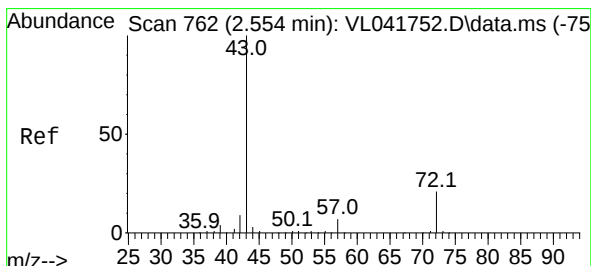
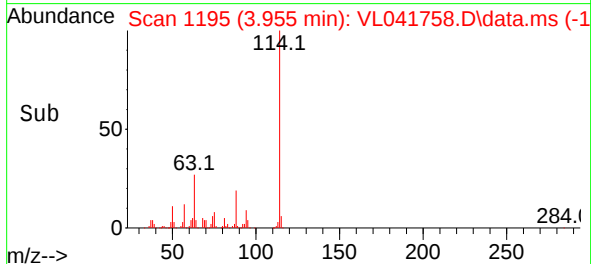
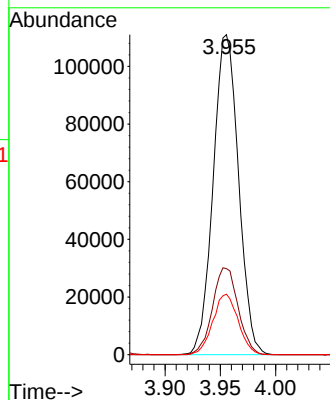
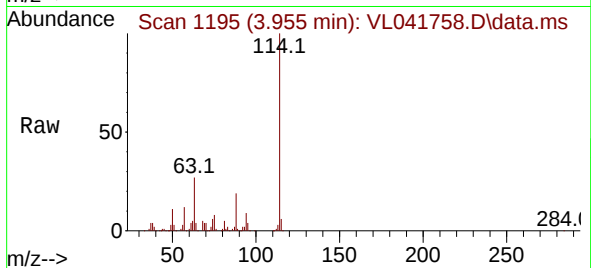
VSTDICC015

Tgt Ion:114	Resp: 17685
Ion Ratio	Lower Upper
114 100	
63 27.5	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: 13.736 ppbv

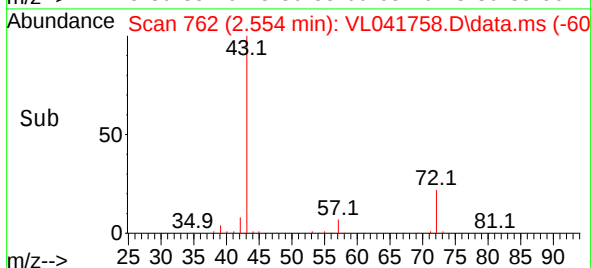
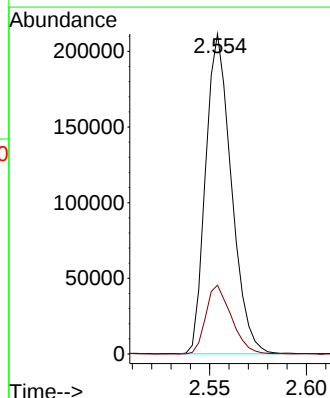
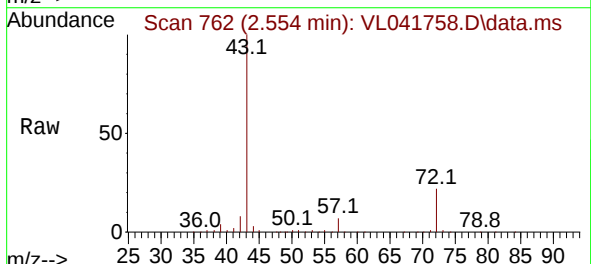
RT: 2.554 min Scan# 762

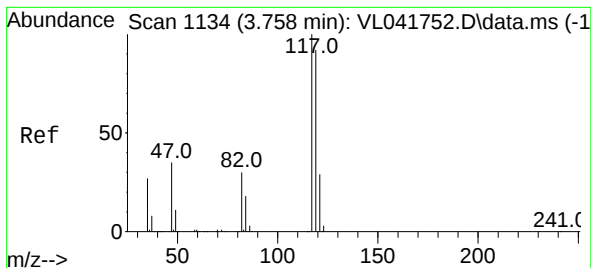
Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 43	Resp: 195439
Ion Ratio	Lower Upper
43 100	
72 21.4	16.8 25.2





#35

Carbon Tetrachloride

Concen: 16.428 ppbv

RT: 3.761 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VL041758.D

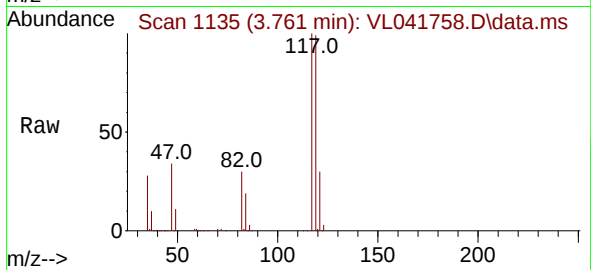
Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015



Tgt Ion:117 Resp: 20625

Ion Ratio Lower Upper

117 100

119 99.2 73.7 110.5

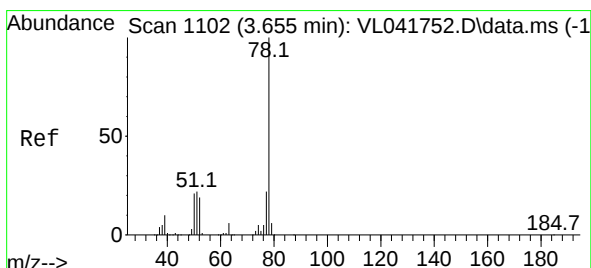
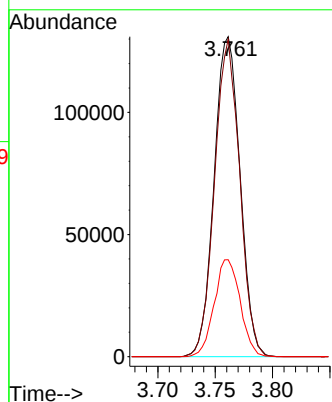
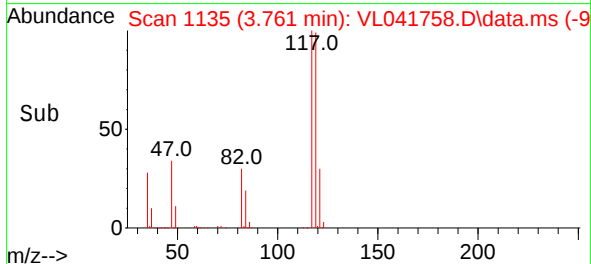
121 30.3 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#36

Benzene

Concen: 14.192 ppbv

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

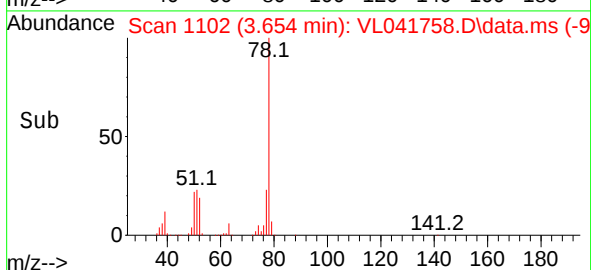
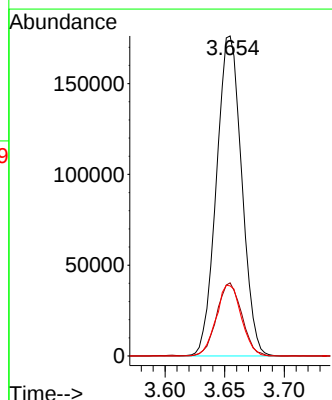
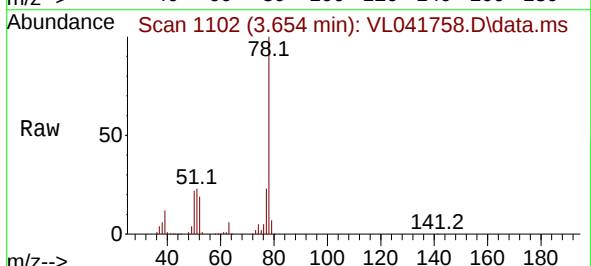
Tgt Ion: 78 Resp: 259630

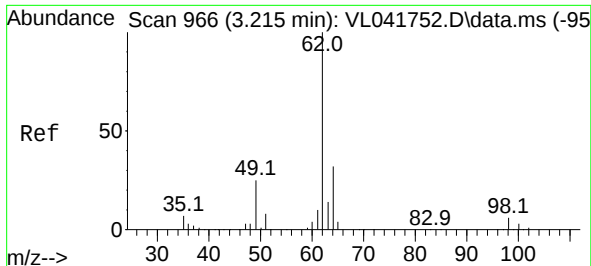
Ion Ratio Lower Upper

78 100

77 22.8 17.8 26.6

50 21.9 17.2 25.8





#37
1,2-Dichloroethane
Concen: 14.633 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

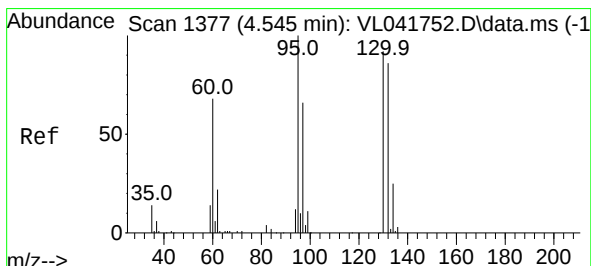
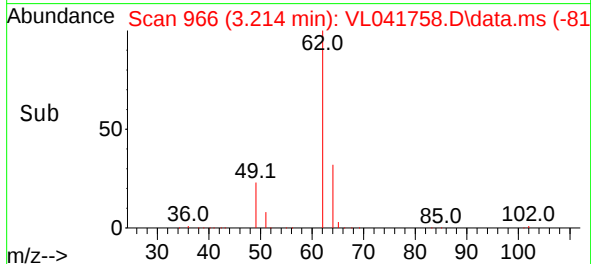
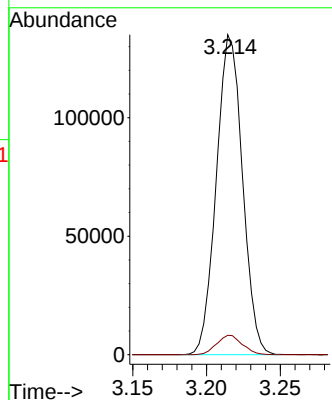
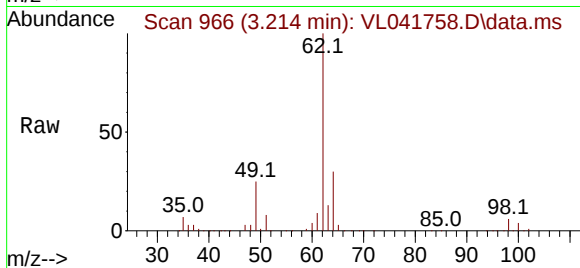
VSTDIC015

Tgt Ion: 62 Resp: 166570
Ion Ratio Lower Upper
62 100
98 5.9 4.7 7.1

Manual Integrations

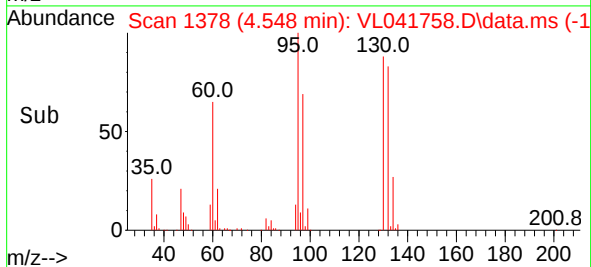
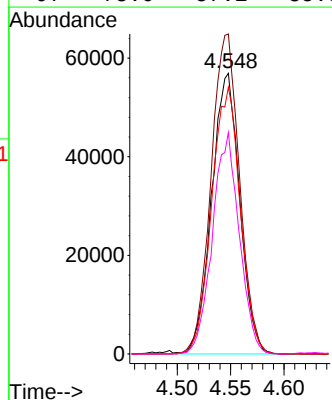
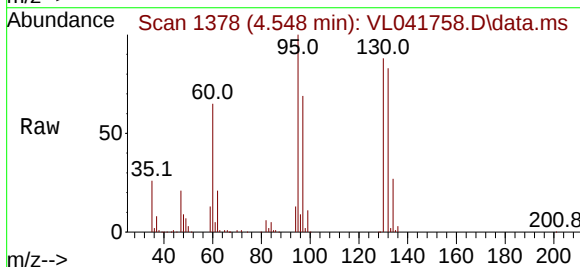
APPROVED

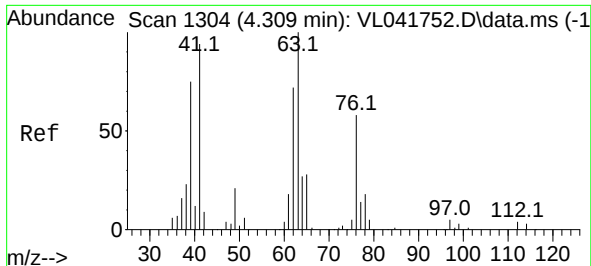
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#38
Trichloroethene
Concen: 13.525 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:130 Resp: 104184
Ion Ratio Lower Upper
130 100
95 114.0 87.0 130.6
132 95.0 75.0 112.6
97 78.9 57.2 85.8





#39

1,2-Dichloropropane

Concen: 14.150 ppbv

RT: 4.312 min Scan# 1305

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

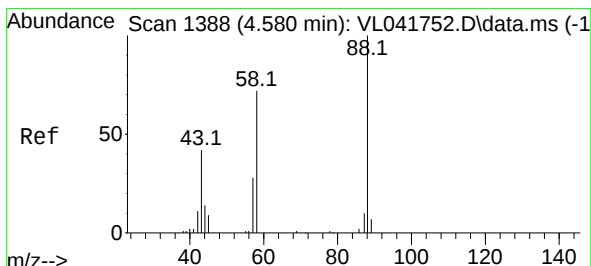
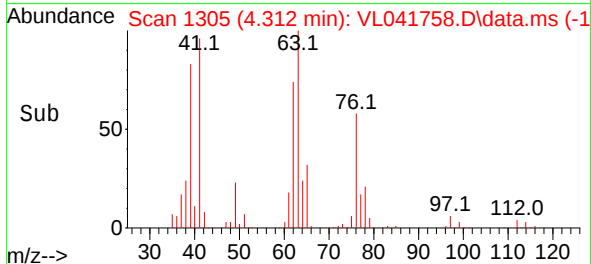
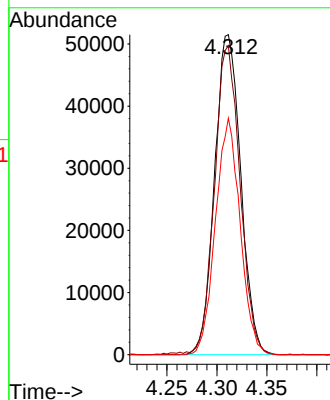
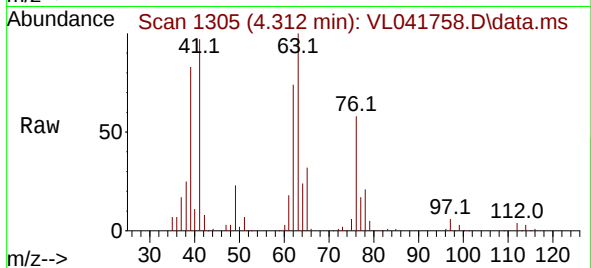
Tgt Ion: 63 Resp: 93624

Ion	Ratio	Lower	Upper
63	100		
41	96.6	75.3	112.9
62	73.9	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: 13.730 ppbv

RT: 4.577 min Scan# 1387

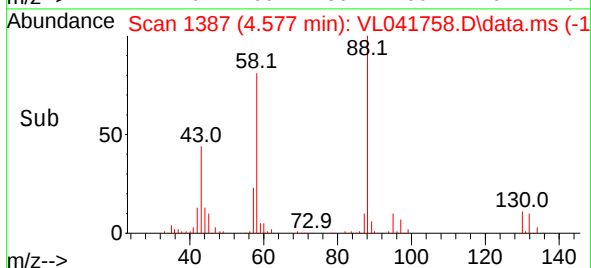
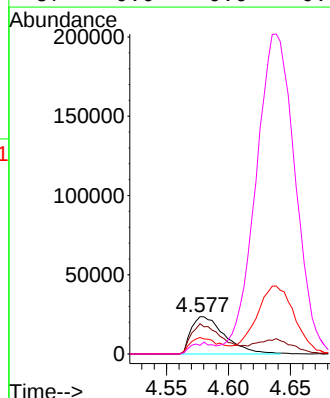
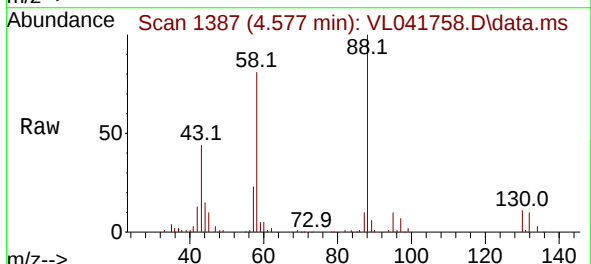
Delta R.T. -0.003 min

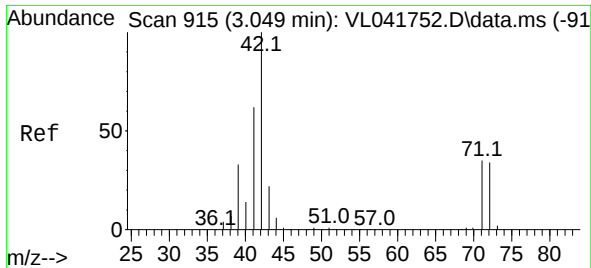
Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 88 Resp: 44377

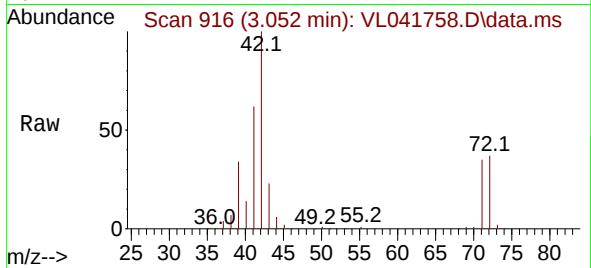
Ion	Ratio	Lower	Upper
88	100		
58	77.8	61.0	91.6
43	42.4	29.4	44.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 14.254 ppbv
RT: 3.052 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

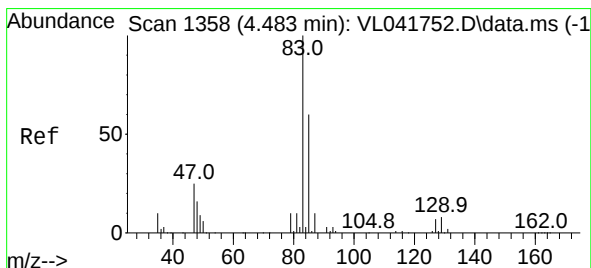
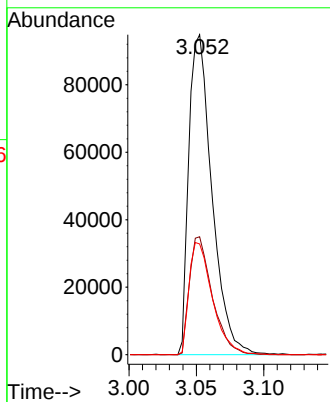
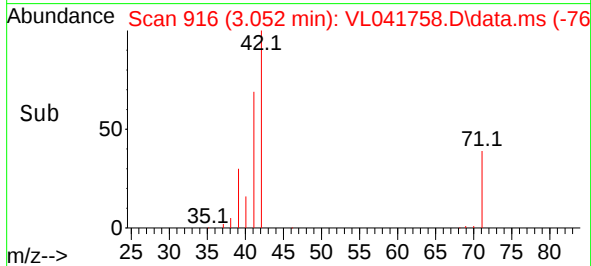
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



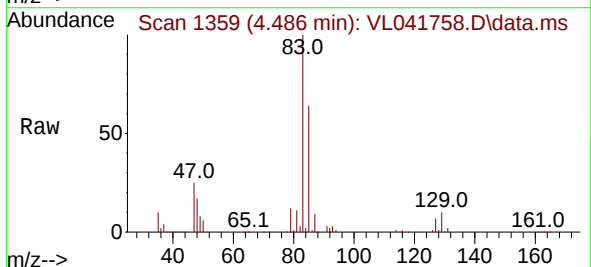
Tgt Ion: 42 Resp: 113618
Ion Ratio Lower Upper
42 100
72 36.4 29.1 43.7
71 35.3 28.4 42.6

Manual Integrations
APPROVED

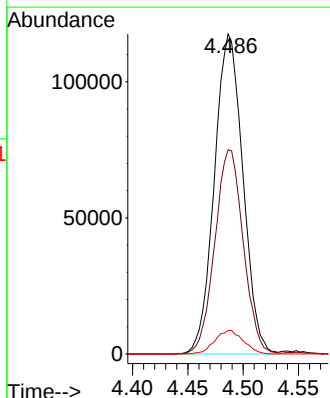
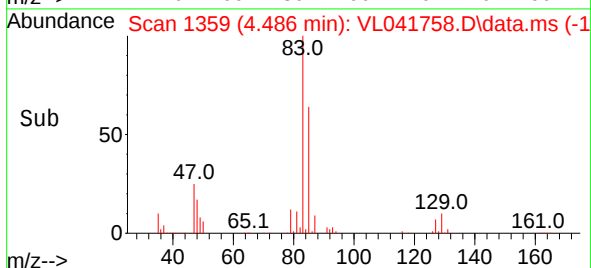
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

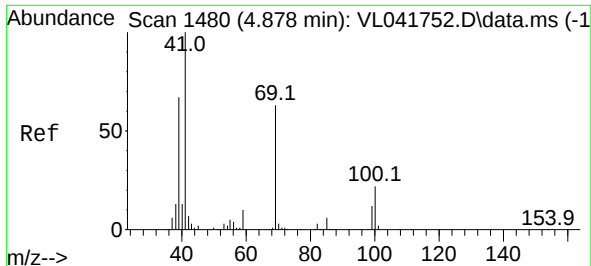


#42
Bromodichloromethane
Concen: 16.123 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41



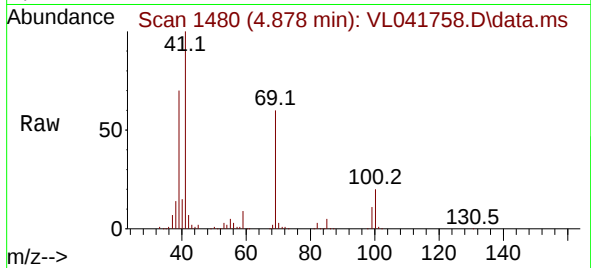
Tgt Ion: 83 Resp: 211145
Ion Ratio Lower Upper
83 100
85 63.7 48.0 72.0
127 7.3 5.8 8.8





#43
Methyl Methacrylate
Concen: 15.374 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

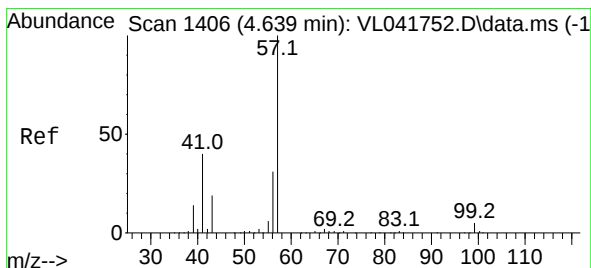
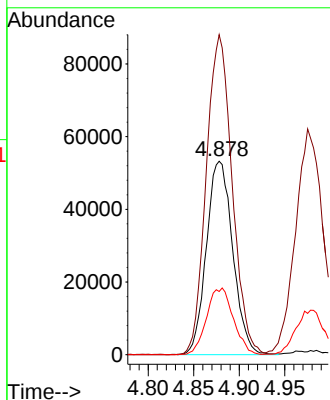
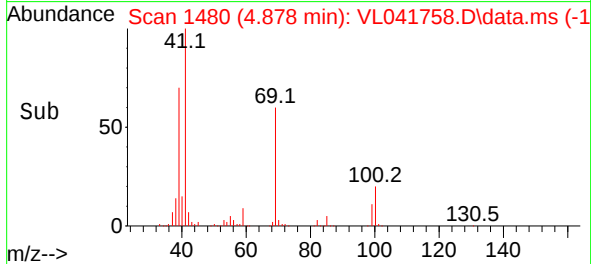
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 69 Resp: 10716
Ion Ratio Lower Upper
69 100
41 162.6 130.3 195.5
100 35.0 28.3 42.5

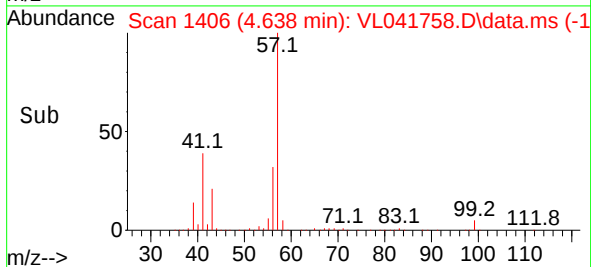
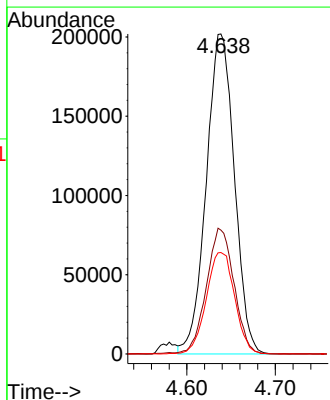
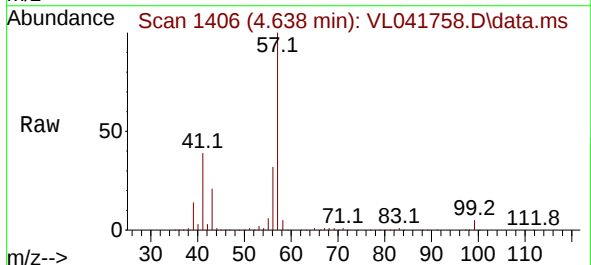
Manual Integrations
APPROVED

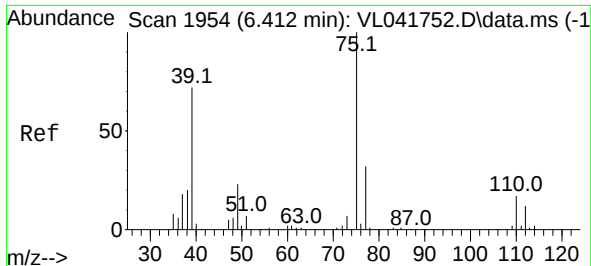
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#44
2,2,4-Trimethylpentane
Concen: 14.274 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 57 Resp: 445947
Ion Ratio Lower Upper
57 100
41 38.8 30.7 46.1
56 32.1 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 15.973 ppbv

RT: 6.409 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 75 Resp: 11515

Ion Ratio Lower Upper

75 100

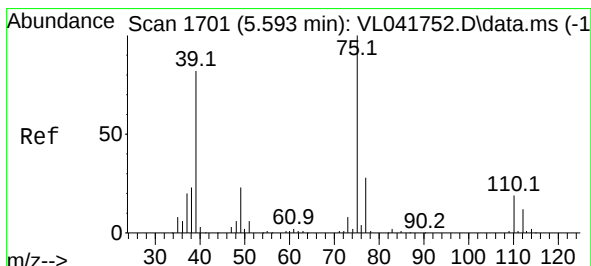
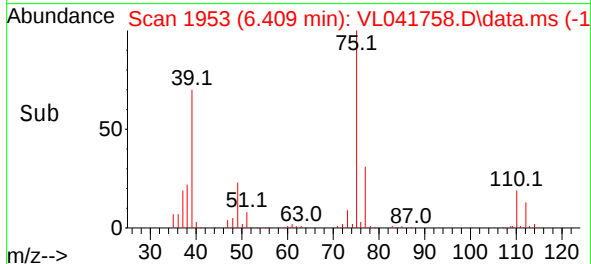
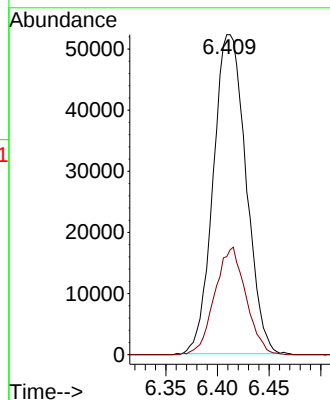
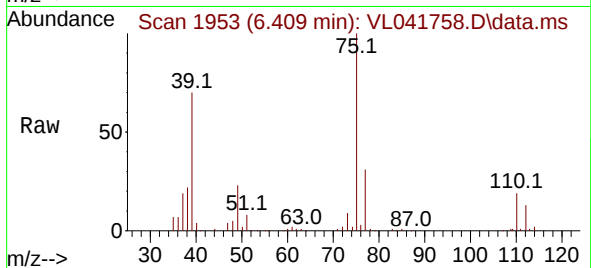
77 30.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#46

cis-1,3-Dichloropropene

Concen: 15.643 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

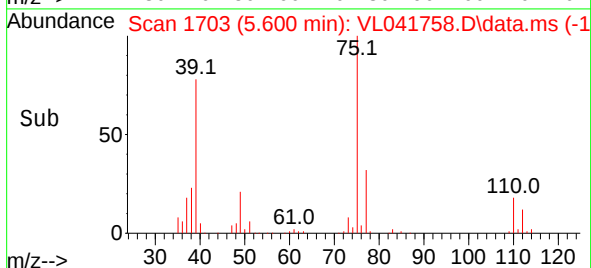
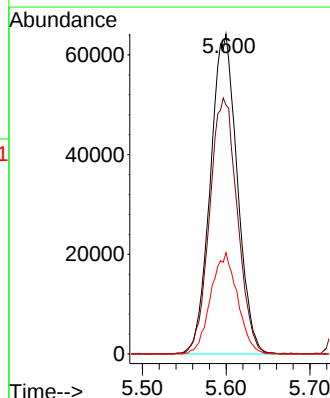
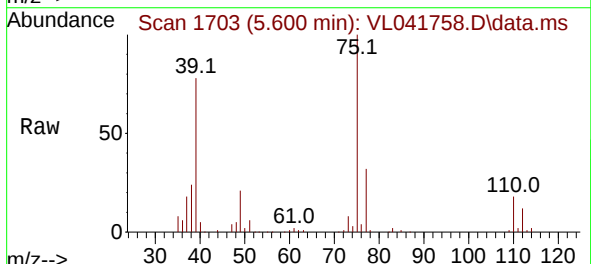
Tgt Ion: 75 Resp: 143172

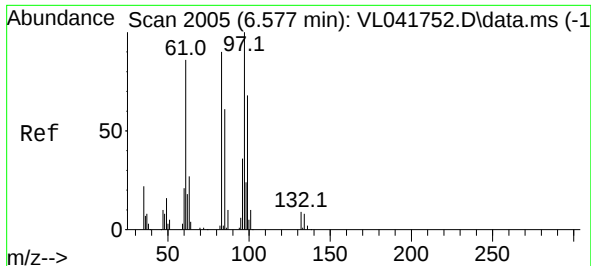
Ion Ratio Lower Upper

75 100

39 77.8 65.2 97.8

77 31.6 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 14.242 ppbv

RT: 6.580 min Scan# 2005

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 98420

Ion Ratio Lower Upper

97 100

83 88.0 72.3 108.5

85 58.6 48.5 72.7

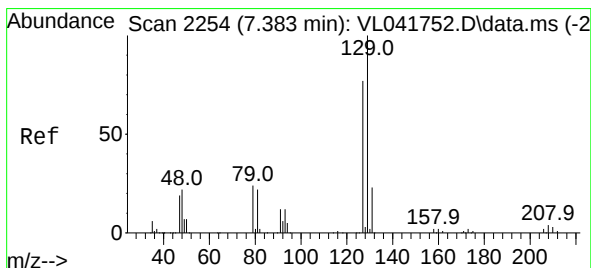
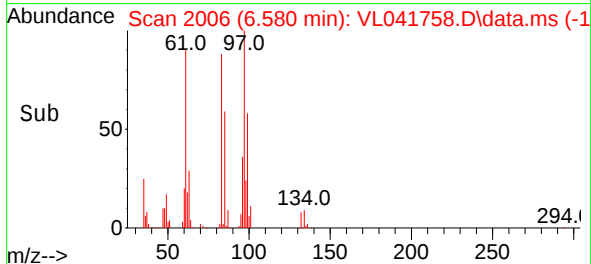
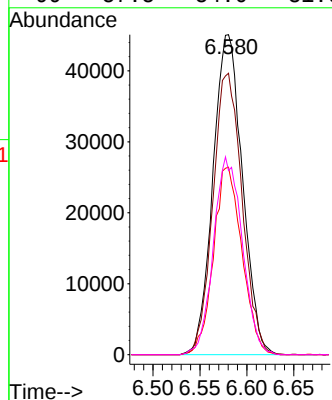
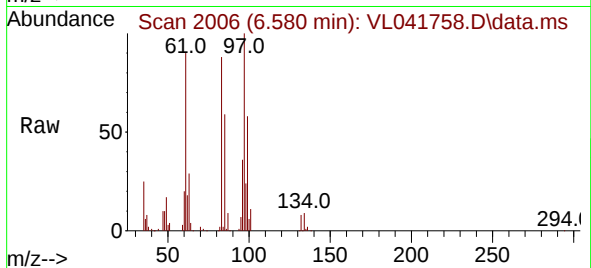
99 57.5 54.0 81.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#48

Dibromochloromethane

Concen: 17.131 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VL041758.D

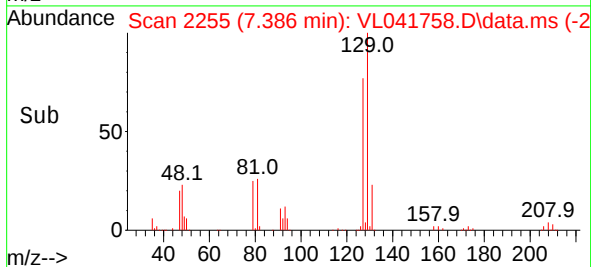
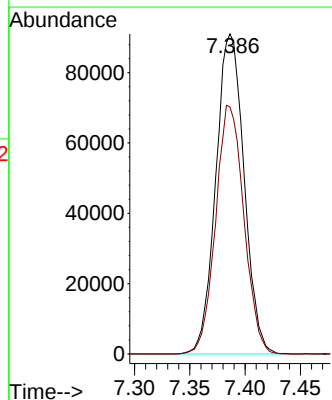
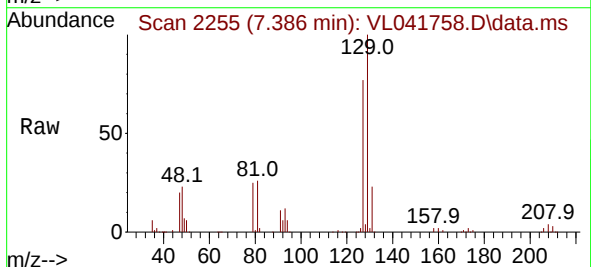
Acq: 16 Dec 2024 16:41

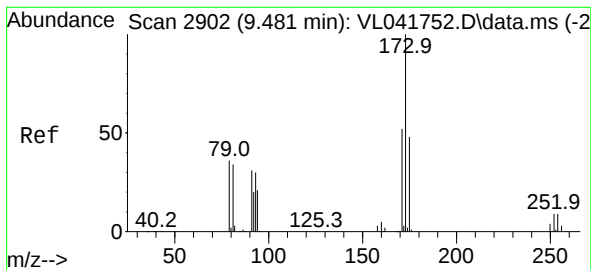
Tgt Ion:129 Resp: 161661

Ion Ratio Lower Upper

129 100

127 77.6 38.8 116.3





#49

Bromoform

Concen: 17.838 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion:173 Resp: 137780

Ion Ratio Lower Upper

173 100

175 48.2 38.2 57.2

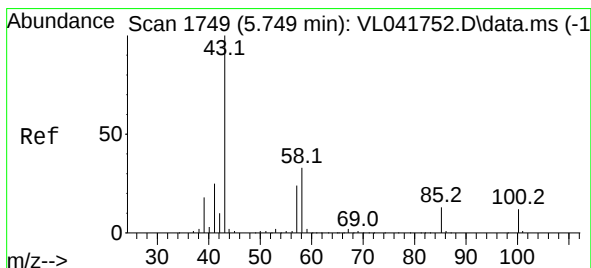
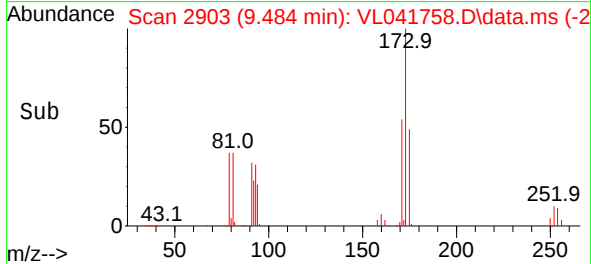
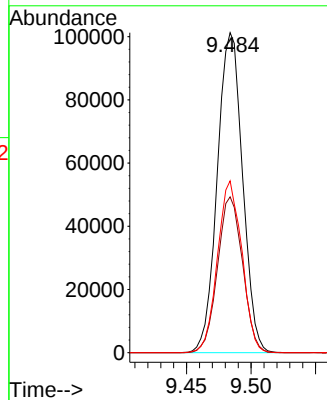
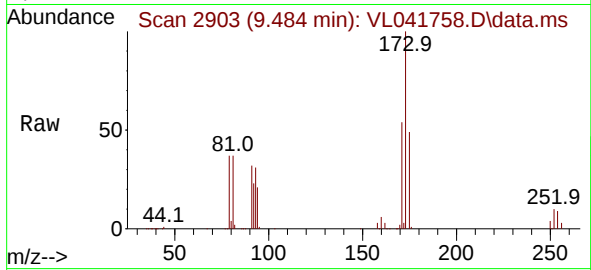
171 51.8 41.1 61.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#50

4-Methyl-2-Pentanone

Concen: 14.735 ppbv

RT: 5.749 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VL041758.D

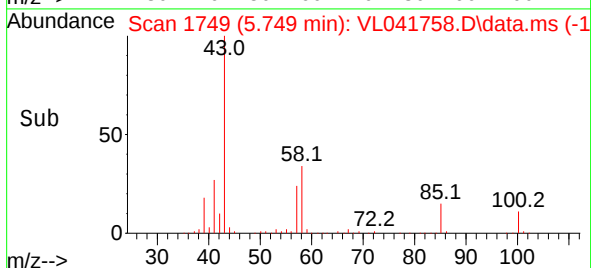
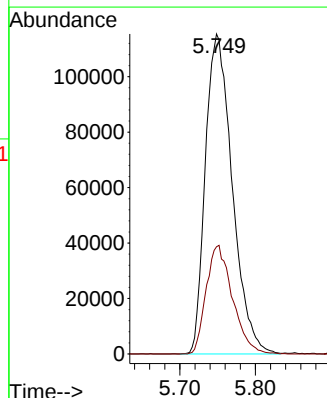
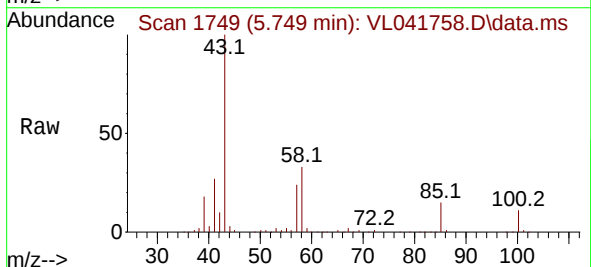
Acq: 16 Dec 2024 16:41

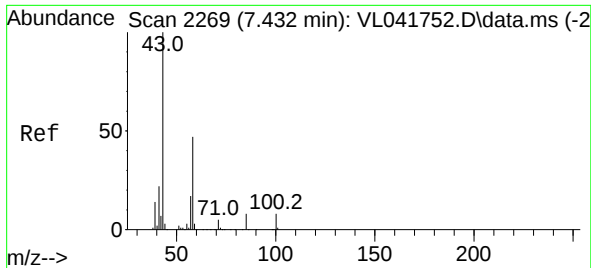
Tgt Ion: 43 Resp: 285467

Ion Ratio Lower Upper

43 100

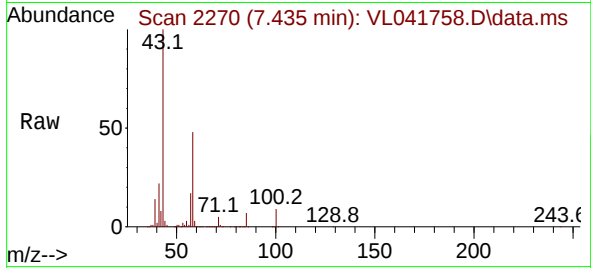
58 33.2 26.8 40.2





#51
2-Hexanone
Concen: 14.798 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

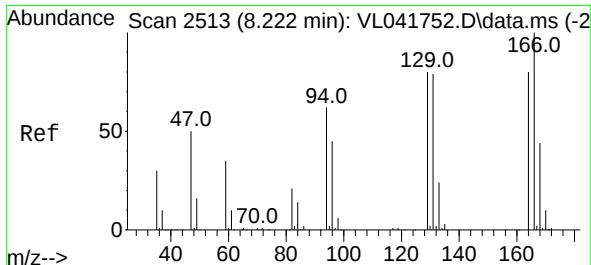
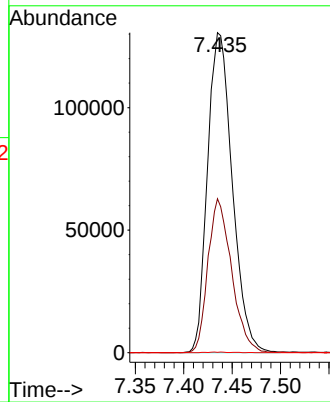
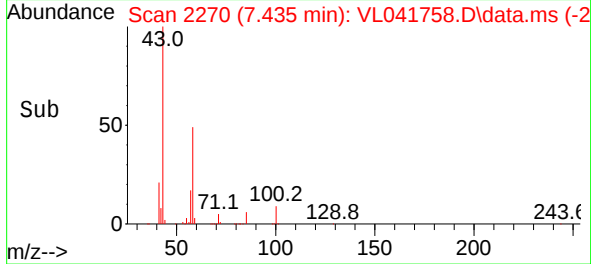
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 43 Resp: 23236
Ion Ratio Lower Upper
43 100
58 46.0 36.6 55.0
98 0.2 0.1 0.1

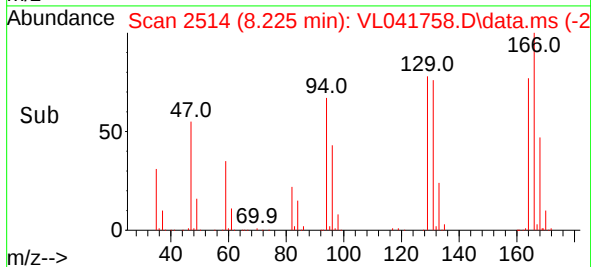
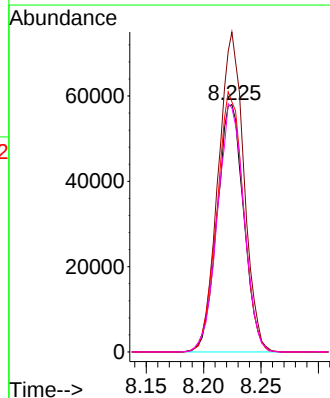
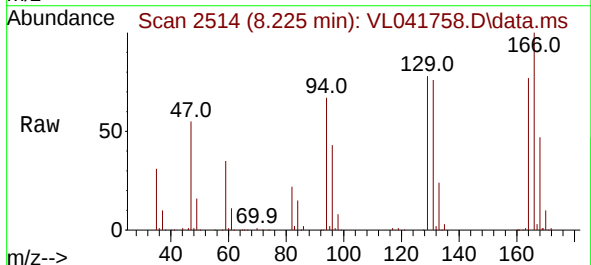
Manual Integrations
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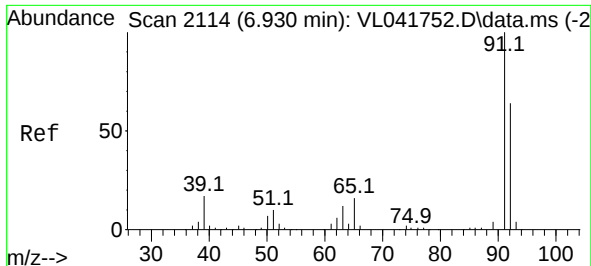
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#52
Tetrachloroethene
Concen: 13.675 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:164 Resp: 93120
Ion Ratio Lower Upper
164 100
166 129.3 99.8 149.6
129 101.1 79.6 119.4
131 98.7 78.6 117.8





#53

Toluene

Concen: 14.533 ppbv

RT: 6.930 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 301428

Ion Ratio Lower Upper

91 100

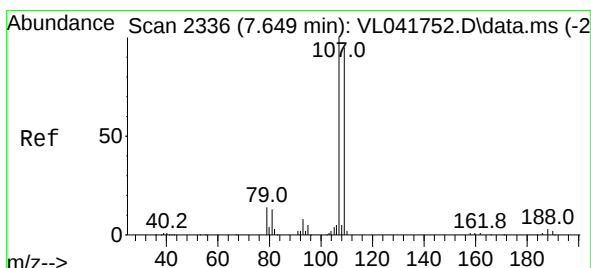
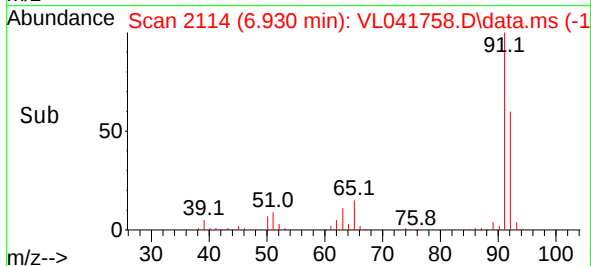
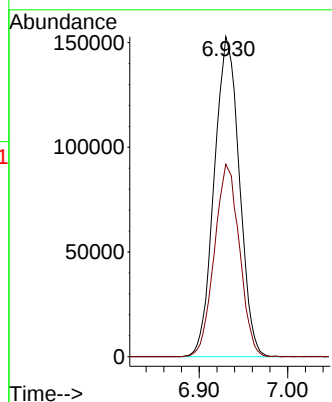
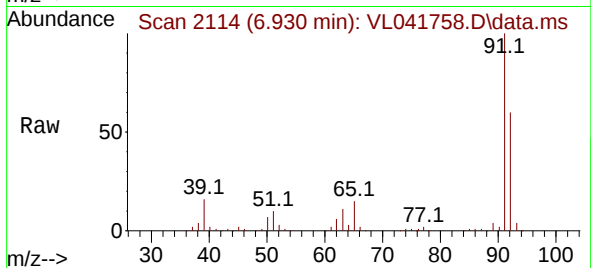
92 59.9 47.9 71.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#54

1,2-Dibromoethane

Concen: 14.690 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VL041758.D

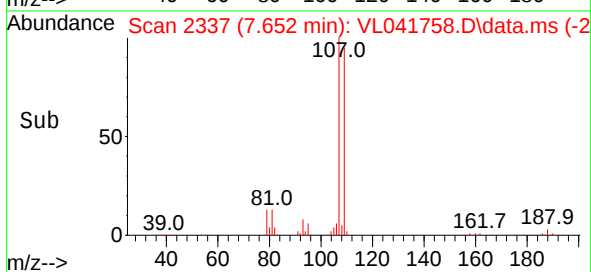
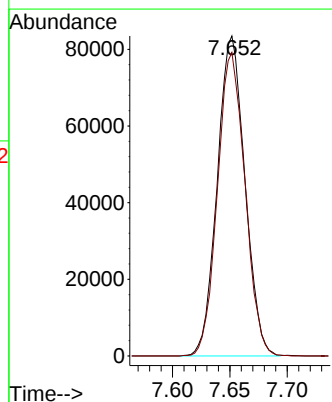
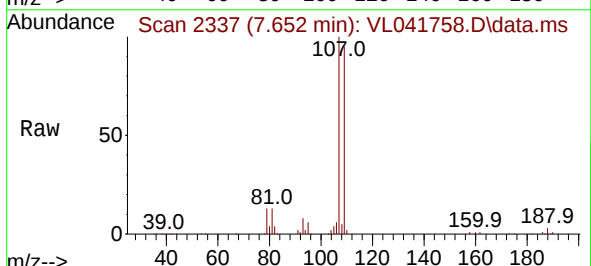
Acq: 16 Dec 2024 16:41

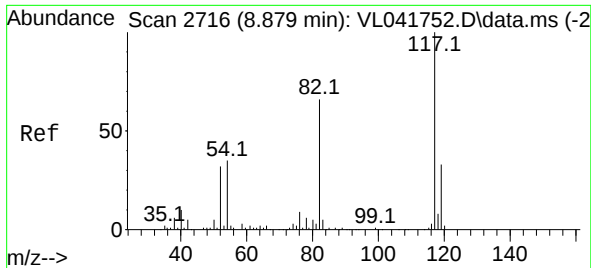
Tgt Ion:107 Resp: 139889

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

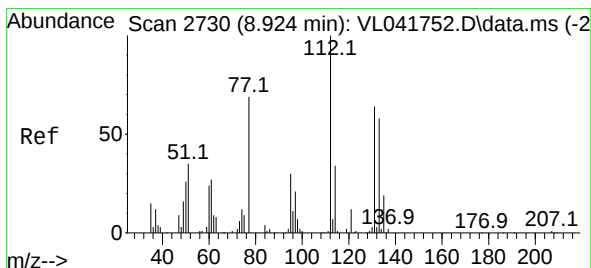
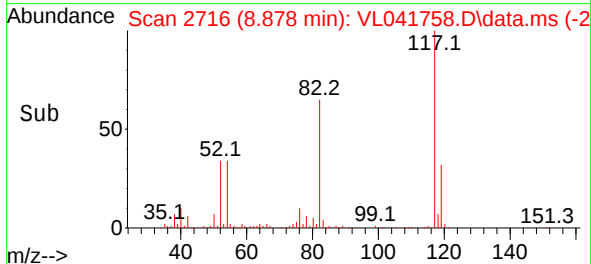
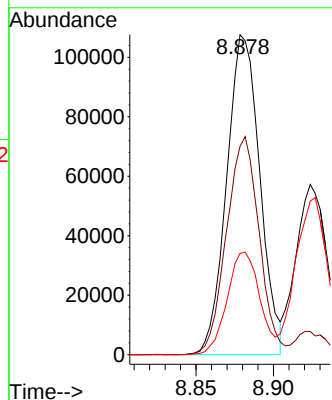
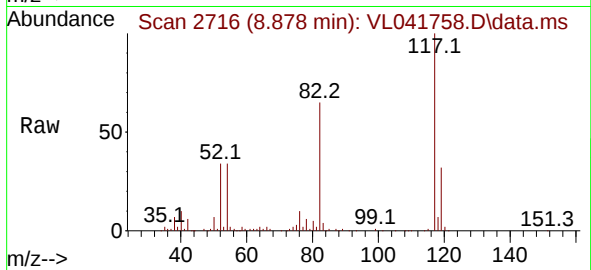
VSTDIC015

Tgt Ion:117	Resp: 16045
Ion Ratio	Lower Upper
117	100
82	67.5 53.8 80.8
119	31.6 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: 15.059 ppbv

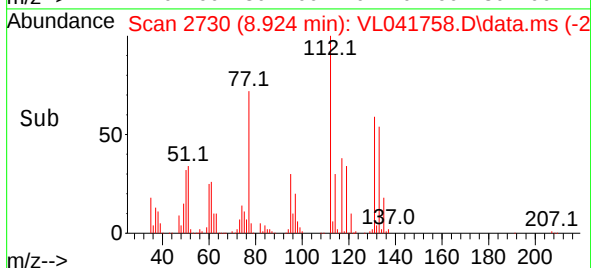
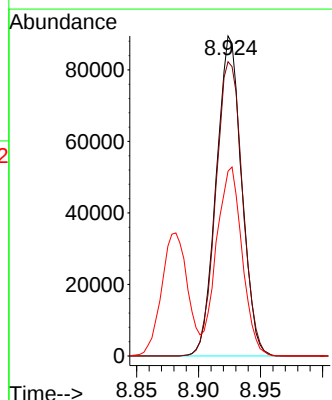
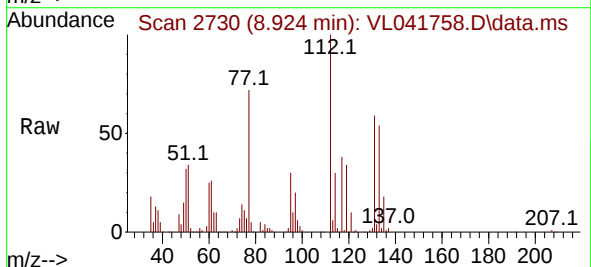
RT: 8.924 min Scan# 2730

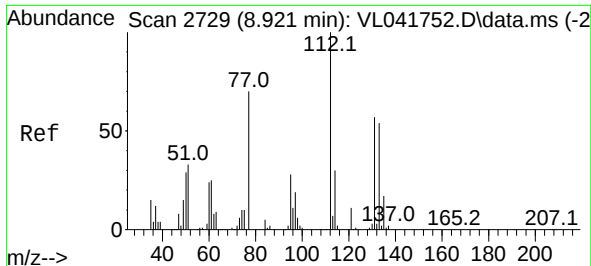
Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion:131	Resp: 128108
Ion Ratio	Lower Upper
131	100
133	96.7 76.8 115.2
119	59.9 49.0 73.6





#57

Chlorobenzene

Concen: 13.869 ppbv

RT: 8.924 min Scan# 2729

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

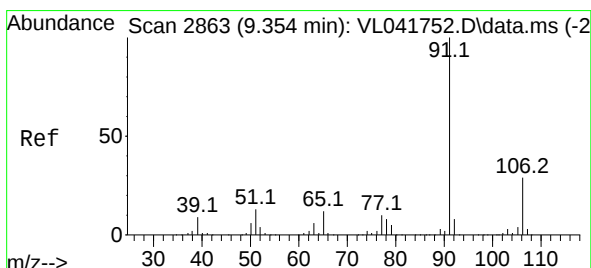
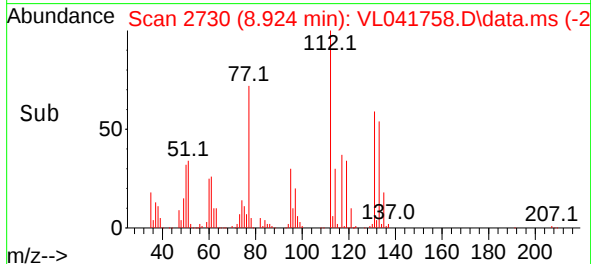
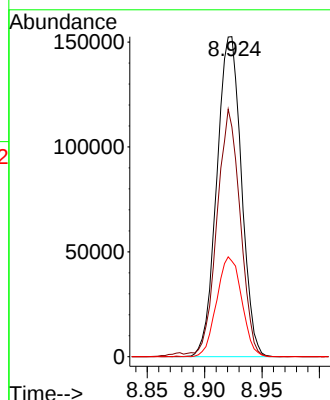
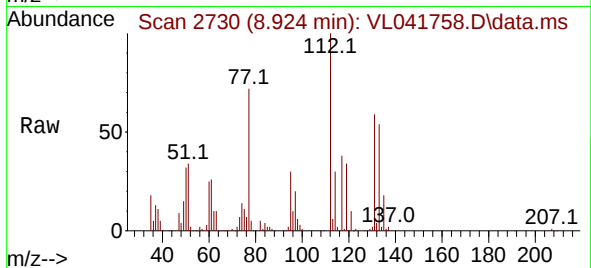
Tgt Ion: 112 Resp: 227710

Ion	Ratio	Lower	Upper
112	100		
77	71.8	57.4	86.0
114	29.8	27.4	33.4

Manual Integrations

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



#58

Ethyl Benzene

Concen: 14.742 ppbv

RT: 9.354 min Scan# 2863

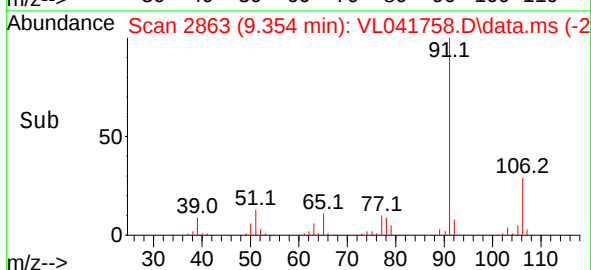
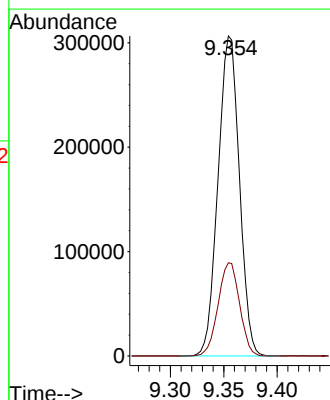
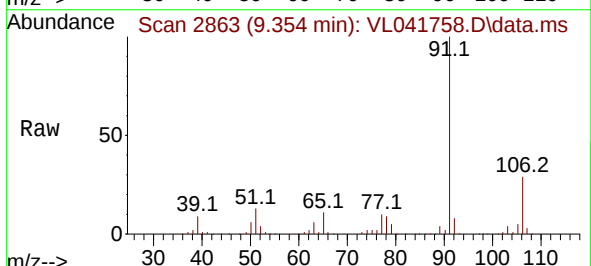
Delta R.T. -0.000 min

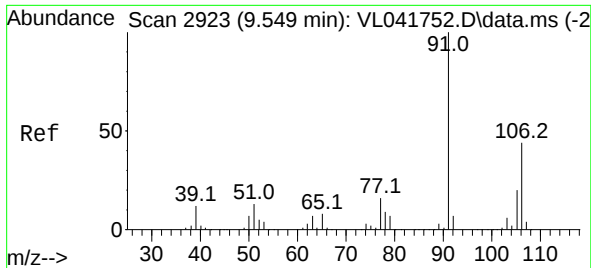
Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion: 91 Resp: 425852

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.5	35.3





#59

m/p-Xylene

Concen: 29.209 ppbv m

RT: 9.552 min Scan# 2923

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 91 Resp: 67865

Ion Ratio Lower Upper

91 100

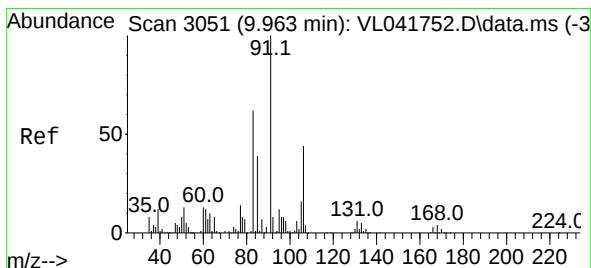
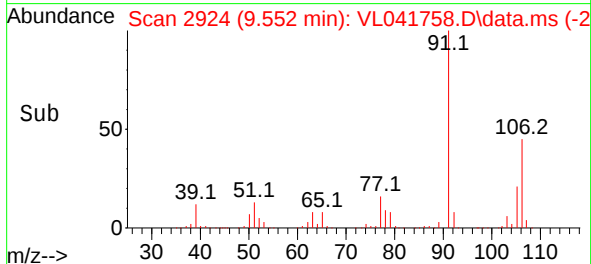
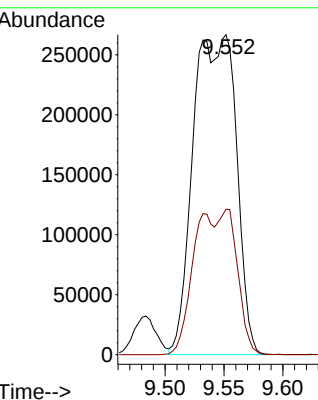
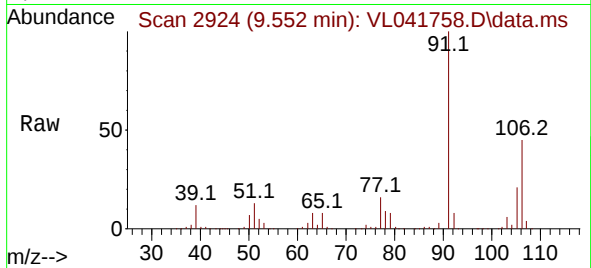
106 44.8 0.0 0.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#60

o-Xylene

Concen: 14.506 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL041758.D

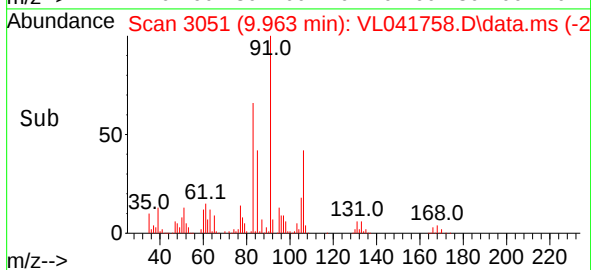
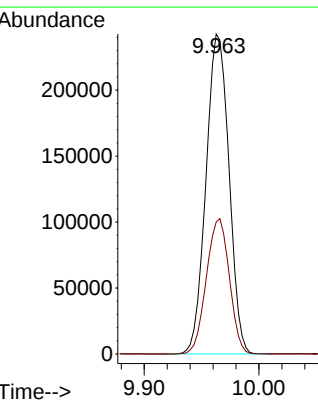
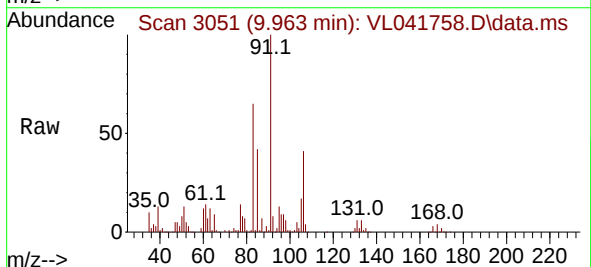
Acq: 16 Dec 2024 16:41

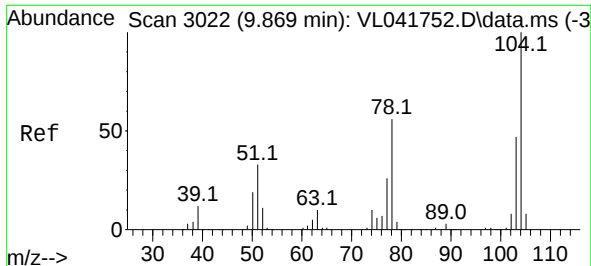
Tgt Ion: 91 Resp: 337891

Ion Ratio Lower Upper

91 100

106 42.2 21.1 63.4





#61

Styrene

Concen: 16.415 ppbv

RT: 9.869 min Scan# 3022

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

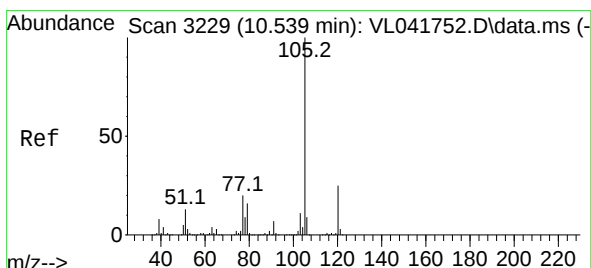
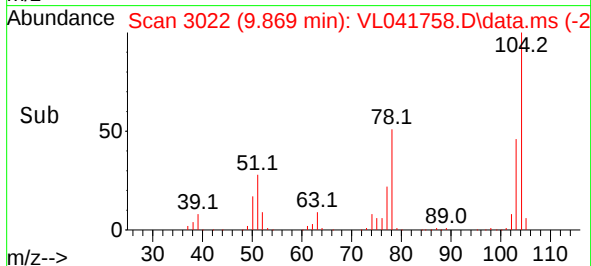
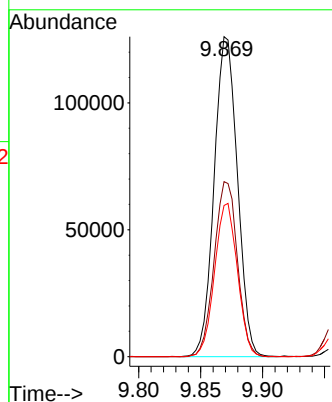
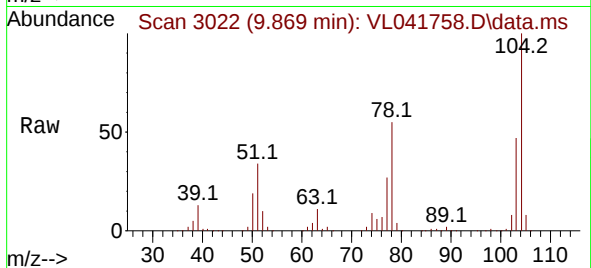
VSTDICC015

Tgt Ion:104 Resp: 165328
 Ion Ratio Lower Upper
 104 100
 78 54.5 43.8 65.6
 103 46.9 37.8 56.6

Manual Integrations

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



#62

Isopropylbenzene

Concen: 14.475 ppbv

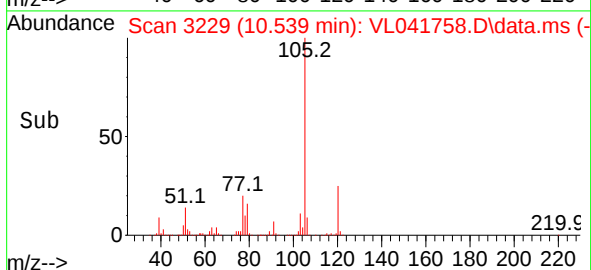
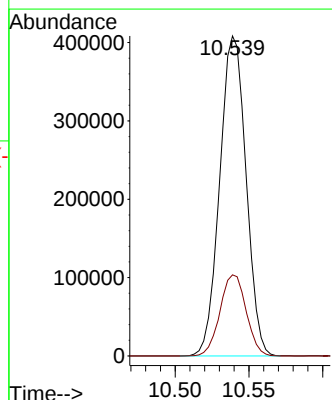
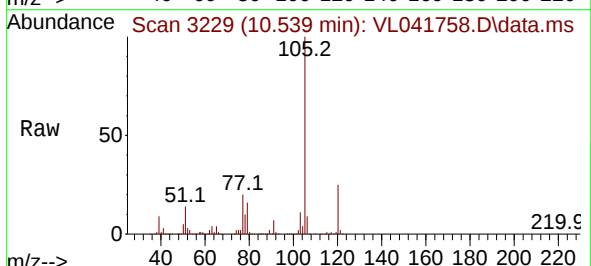
RT: 10.539 min Scan# 3229

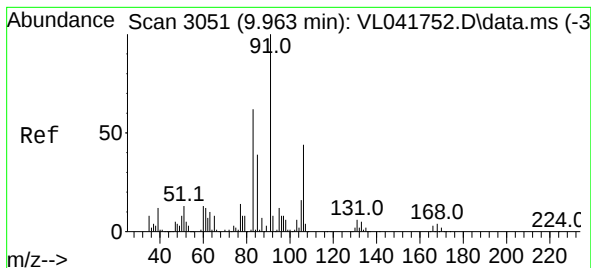
Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

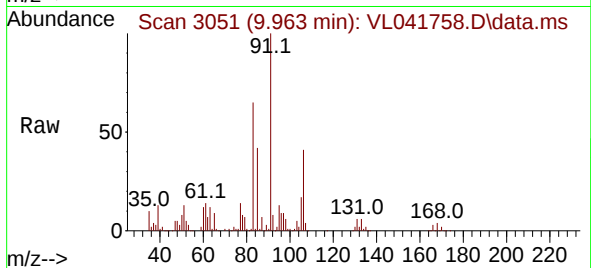
Tgt Ion:105 Resp: 506570
 Ion Ratio Lower Upper
 105 100
 120 25.2 19.8 29.8





#63
1,1,2,2-Tetrachloroethane
Concen: 13.790 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

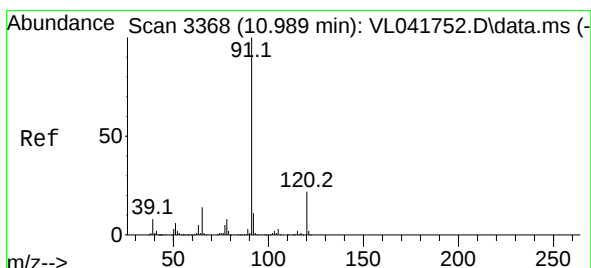
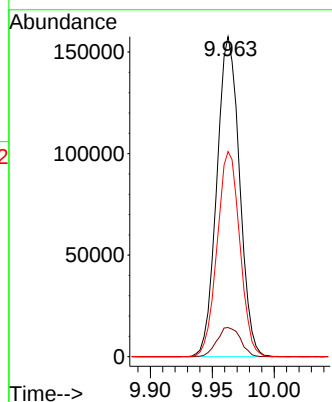
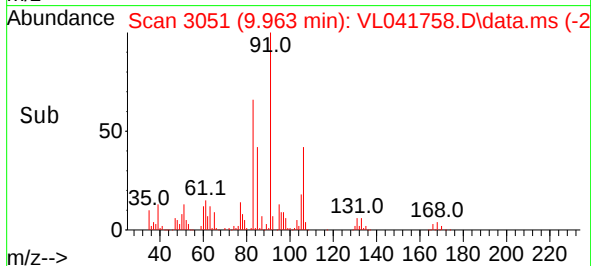
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion: 83 Resp: 20105
Ion Ratio Lower Upper
83 100
131 9.5 4.9 14.7
85 64.0 32.0 96.2

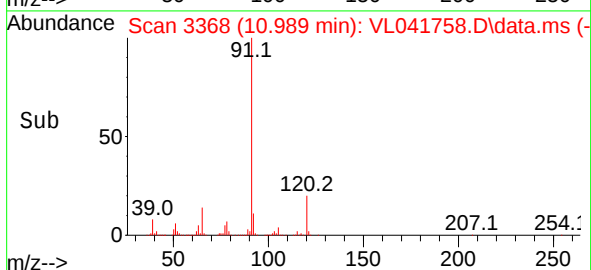
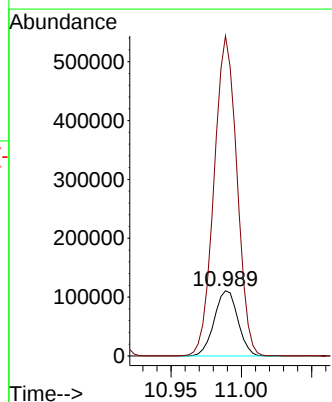
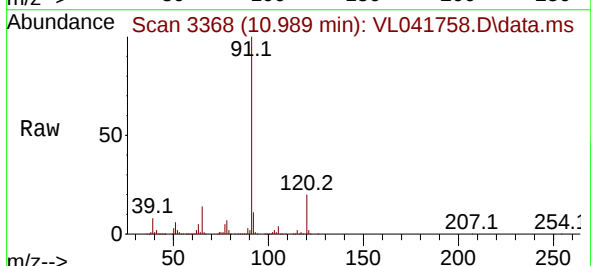
Manual Integrations
APPROVED

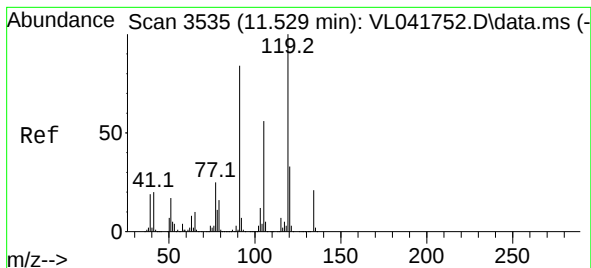
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#64
n-propylbenzene
Concen: 14.602 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:120 Resp: 129200
Ion Ratio Lower Upper
120 100
91 475.8 387.3 580.9





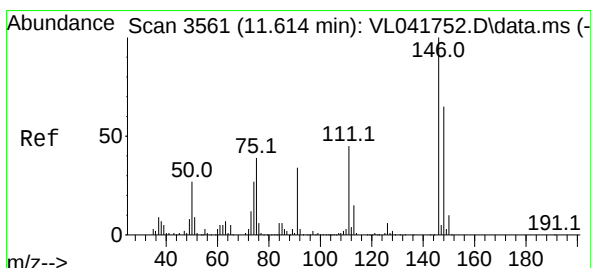
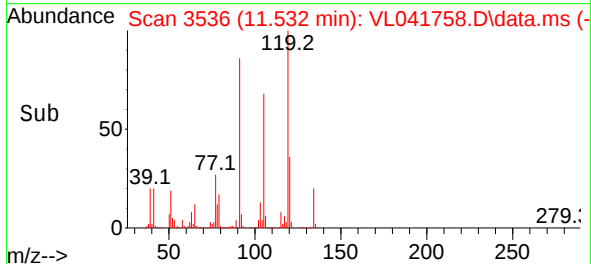
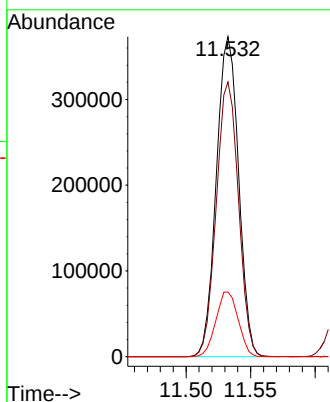
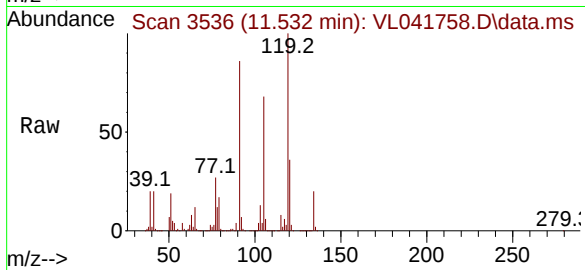
#65
tert-Butylbenzene
Concen: 14.148 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:119 Resp: 446690
Ion Ratio Lower Upper
119 100
91 85.7 67.0 100.4
134 20.3 16.5 24.7

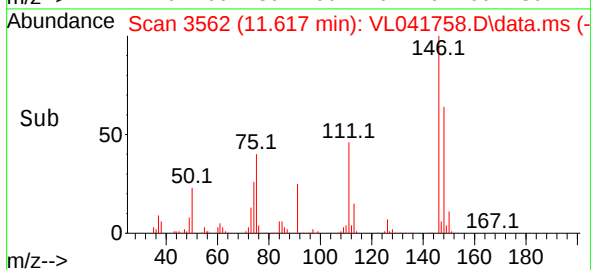
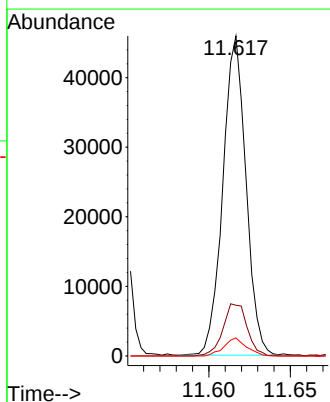
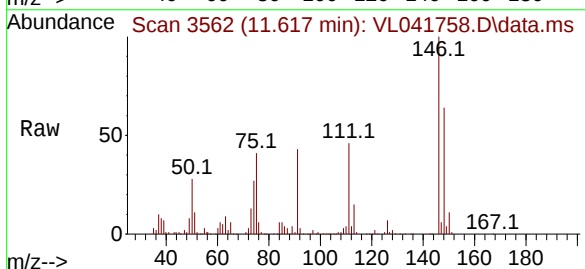
Manual Integrations
APPROVED

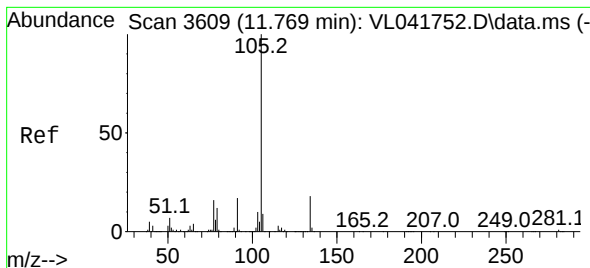
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#66
Benzyl Chloride
Concen: 16.234 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion: 91 Resp: 45189
Ion Ratio Lower Upper
91 100
126 17.1 13.9 20.9
128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 14.295 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 62456

Ion Ratio Lower Upper

105 100

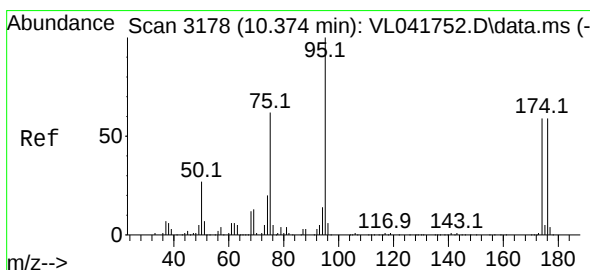
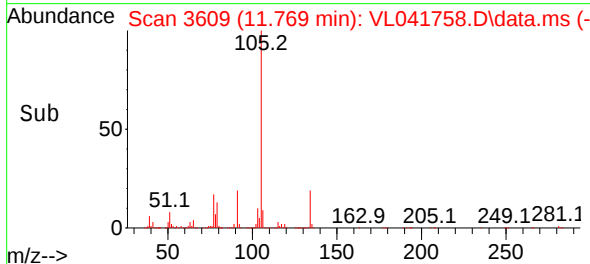
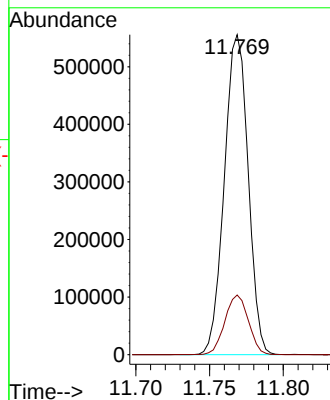
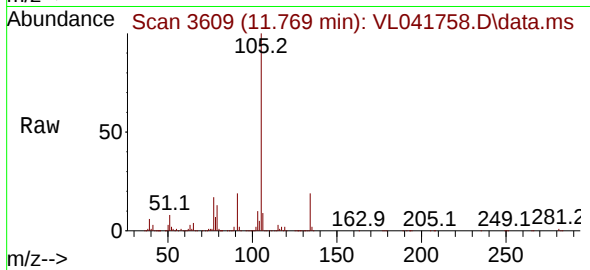
134 18.5 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.998 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

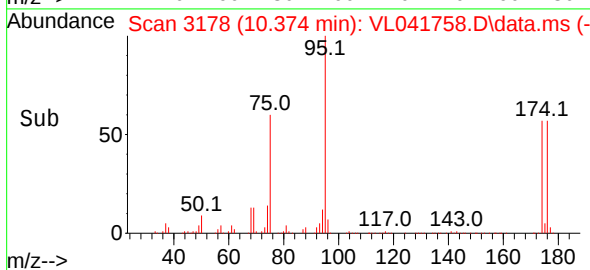
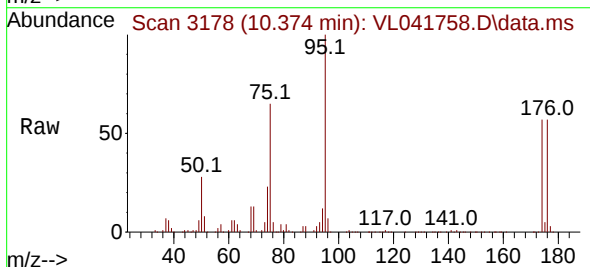
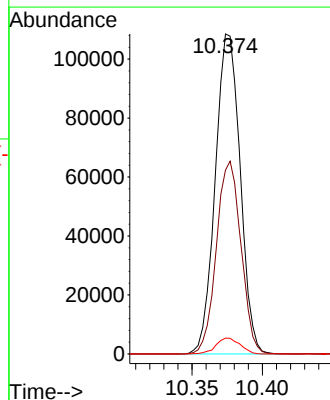
Tgt Ion: 95 Resp: 133687

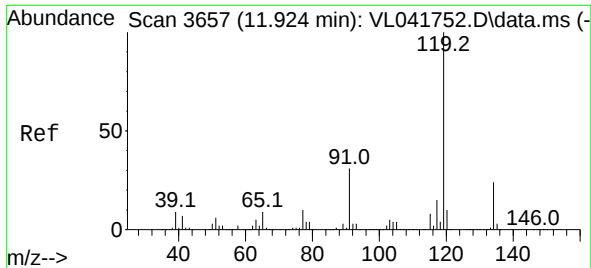
Ion Ratio Lower Upper

95 100

174 59.4 47.6 71.4

175 4.8 3.7 5.5





#69

p-Isopropyltoluene

Concen: 14.671 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:119 Resp: 52826

Ion Ratio Lower Upper

119 100

134 24.3 19.6 29.4

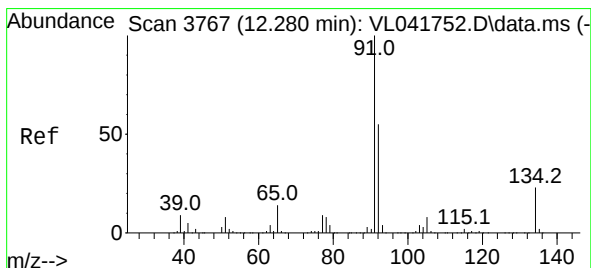
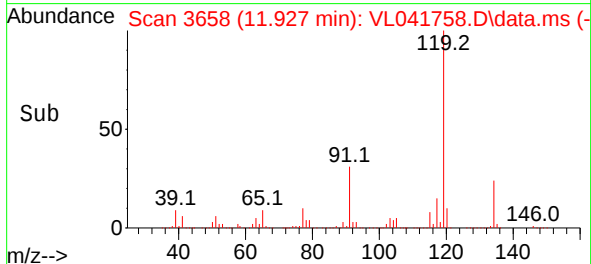
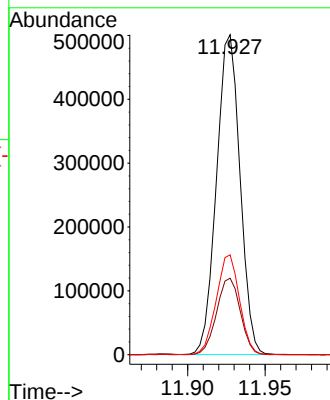
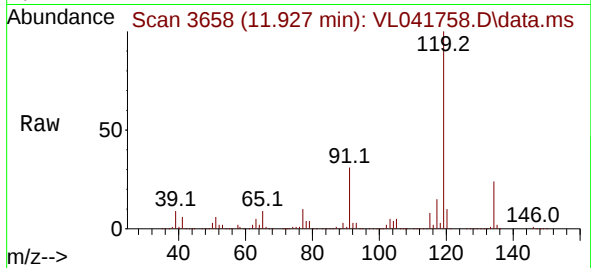
91 31.0 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#70

n-Butylbenzene

Concen: 15.101 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

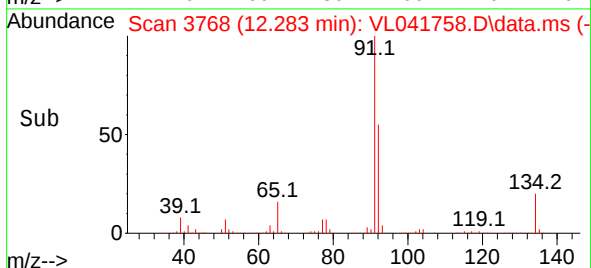
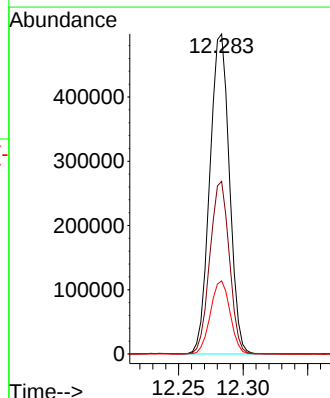
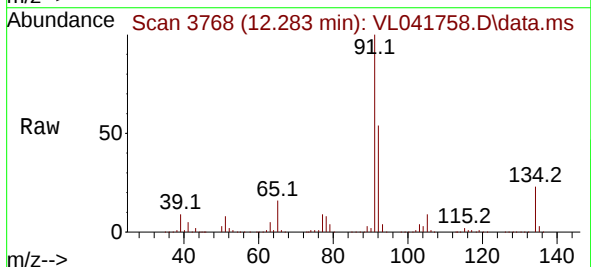
Tgt Ion: 91 Resp: 525377

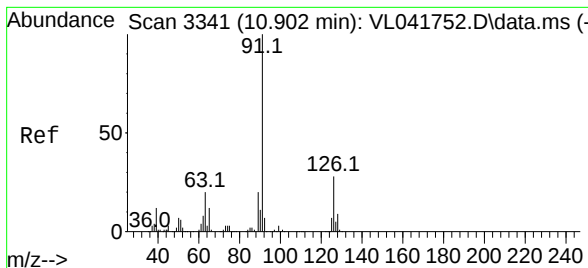
Ion Ratio Lower Upper

91 100

92 53.8 43.2 64.8

134 22.8 18.2 27.4





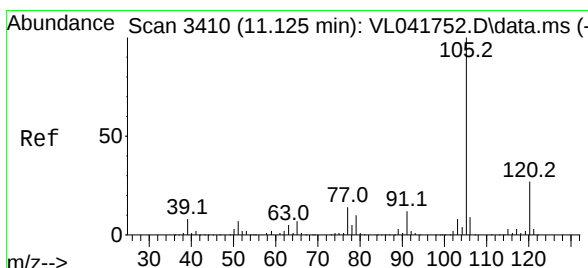
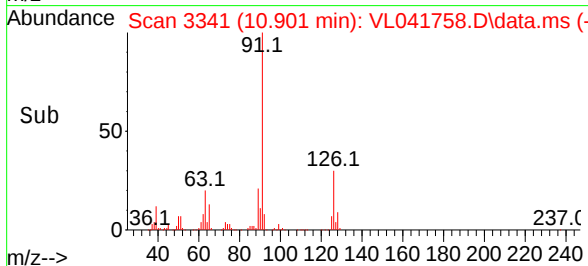
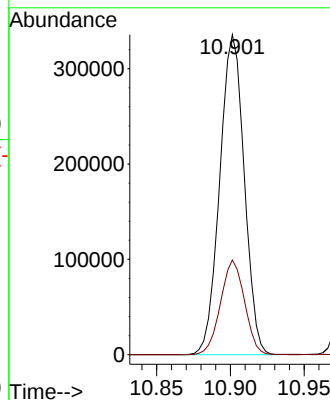
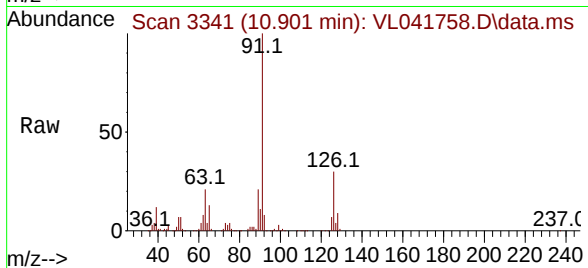
#71
2-Chlorotoluene
Concen: 14.498 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 91 Resp: 387300
Ion Ratio Lower Upper
91 100
126 29.0 11.6 46.4

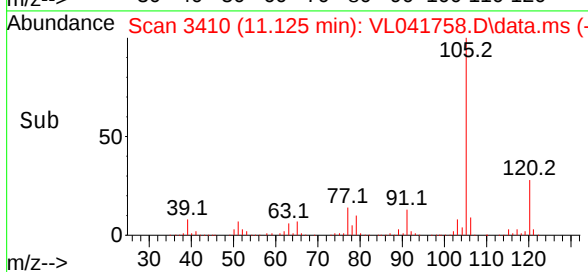
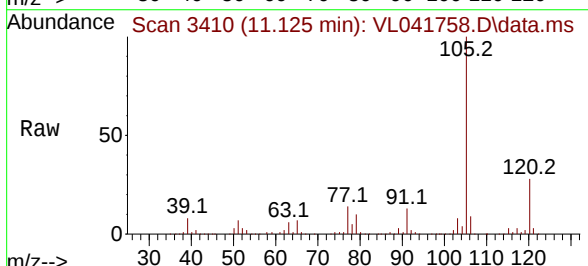
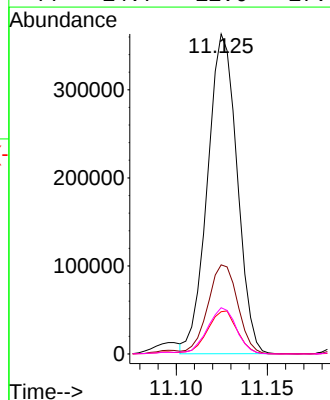
Manual Integrations
APPROVED

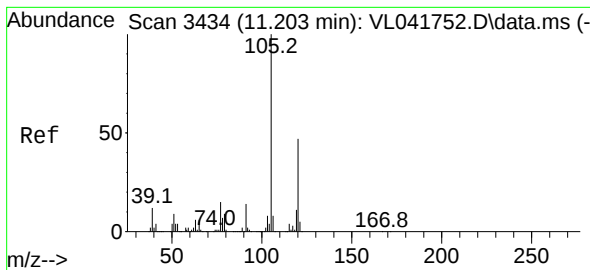
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#72
4-Ethyltoluene
Concen: 14.934 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 409822
Ion Ratio Lower Upper
105 100
120 29.2 23.3 34.9
91 13.9 10.9 16.3
77 14.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 15.383 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:105 Resp: 35089

Ion Ratio Lower Upper

105 100

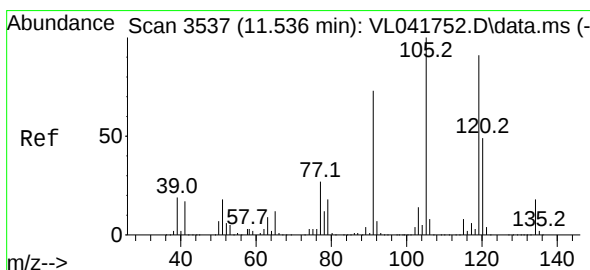
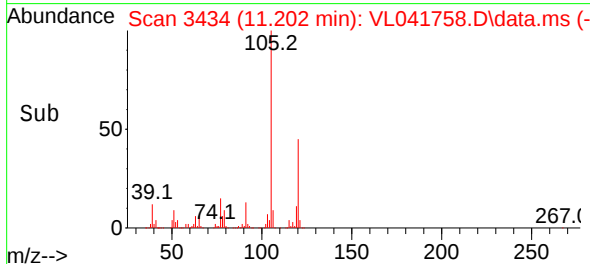
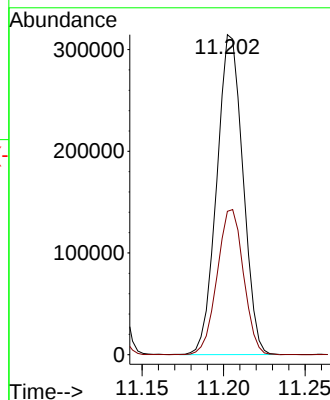
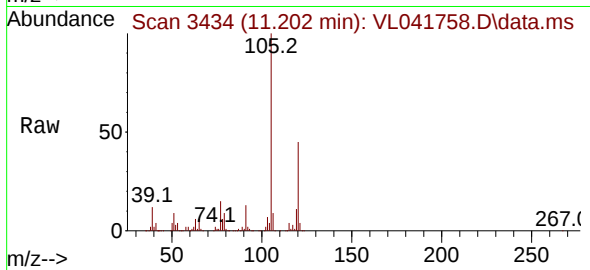
120 44.8 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#74

1,2,4-Trimethylbenzene

Concen: 15.144 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Tgt Ion:105 Resp: 371476

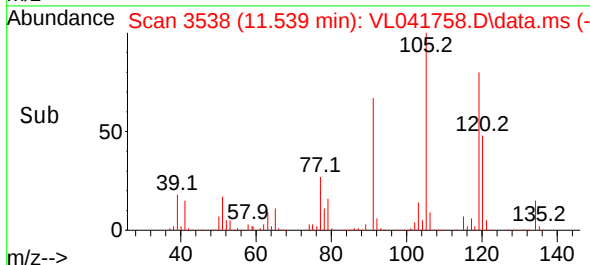
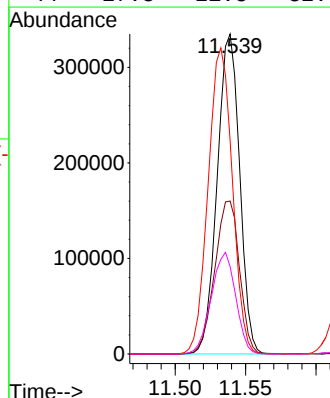
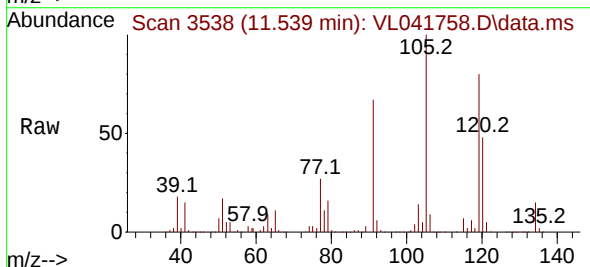
Ion Ratio Lower Upper

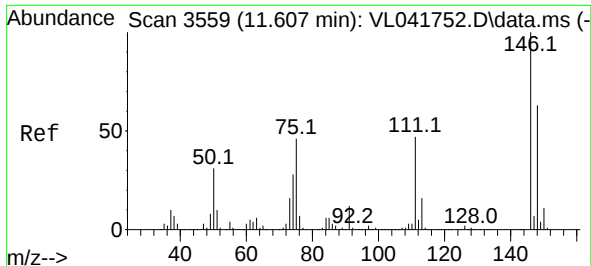
105 100

120 47.8 39.0 58.4

91 66.6 58.1 87.1

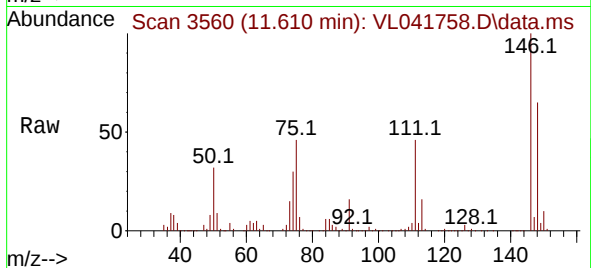
77 27.3 21.8 32.8





#75
1,3-Dichlorobenzene
Concen: 14.036 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

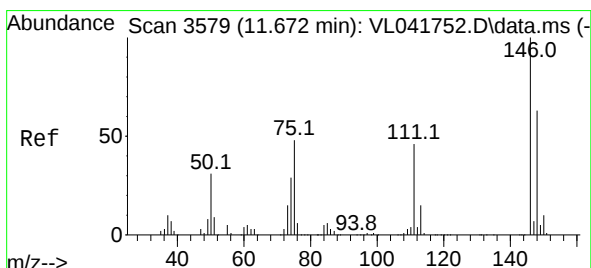
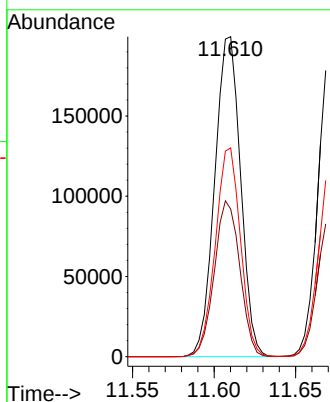
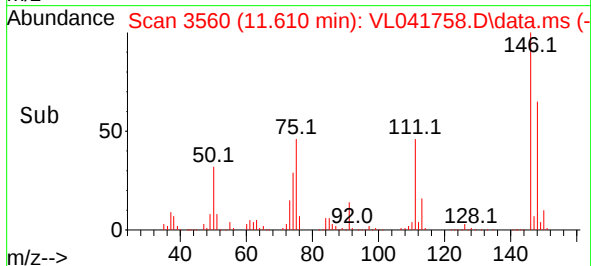
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015



Tgt Ion:146 Resp: 219500
Ion Ratio Lower Upper
146 100
111 48.2 23.4 70.3
148 63.5 31.6 95.0

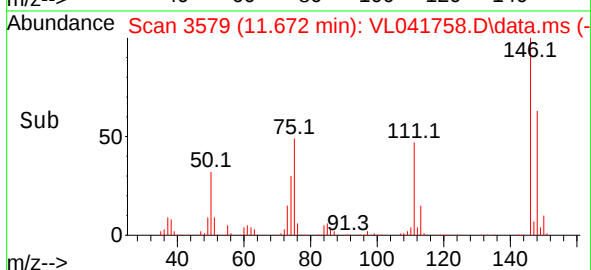
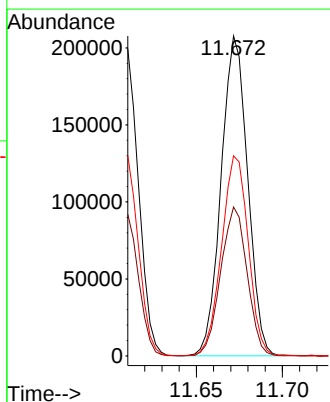
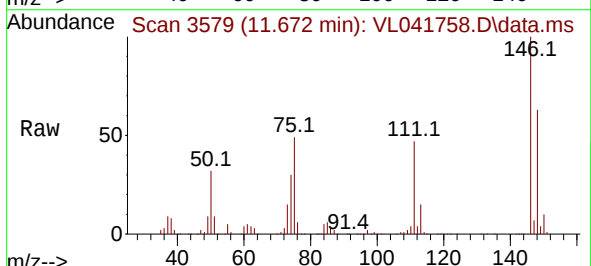
Manual Integrations
APPROVED

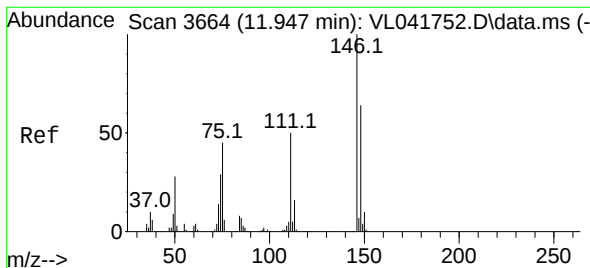
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#76
1,4-Dichlorobenzene
Concen: 14.388 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Tgt Ion:146 Resp: 222290
Ion Ratio Lower Upper
146 100
111 46.6 22.7 68.1
148 63.2 31.4 94.0





#77

1,2-Dichlorobenzene

Concen: 13.672 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:146 Resp: 20573

Ion Ratio Lower Upper

146 100

111 50.4 24.8 74.3

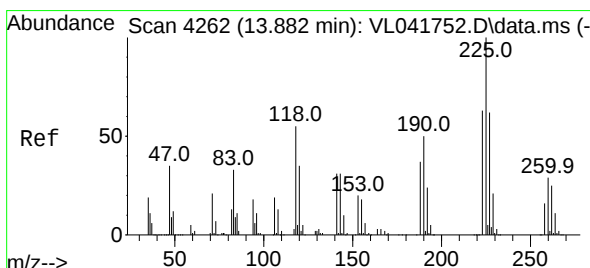
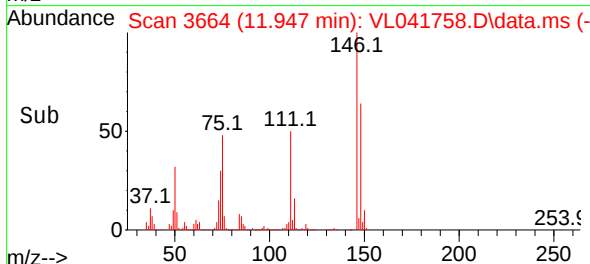
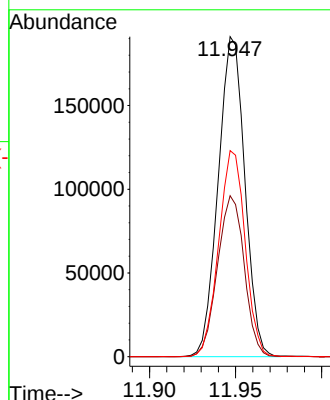
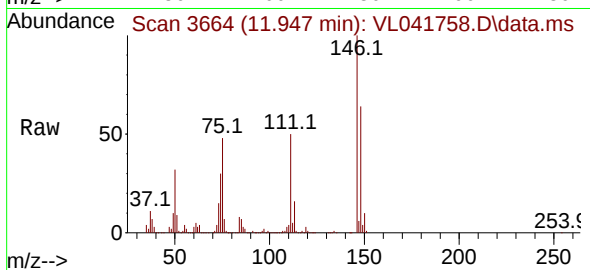
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#78

Hexachloro-1,3-Butadiene

Concen: 12.412 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

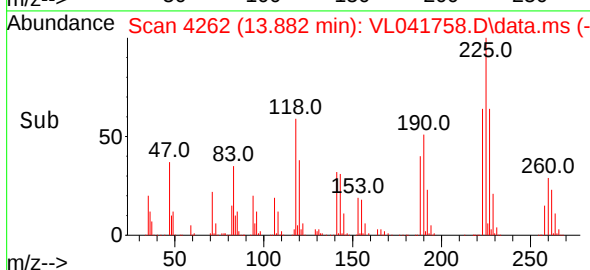
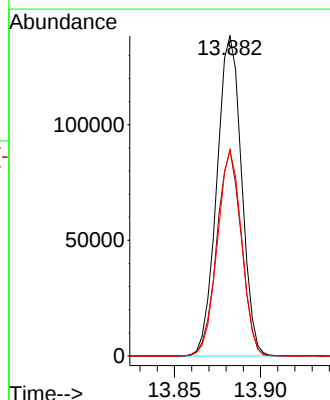
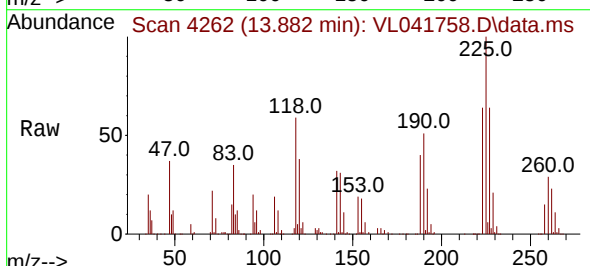
Tgt Ion:225 Resp: 138481

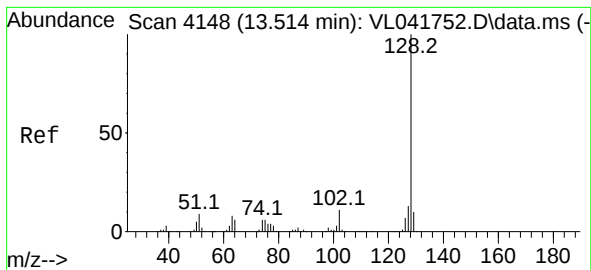
Ion Ratio Lower Upper

225 100

223 63.7 50.5 75.7

227 63.1 50.3 75.5





#79

Naphthalene

Concen: 17.611 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

Instrument :

MSVOA_L

ClientSampleId :

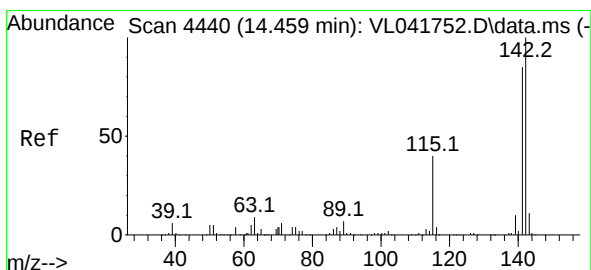
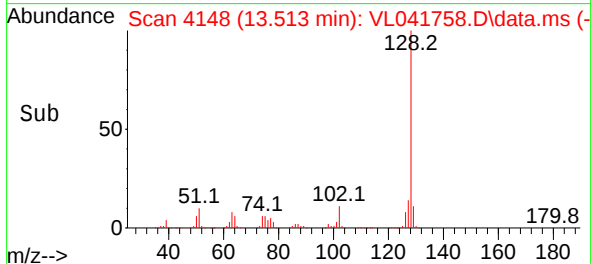
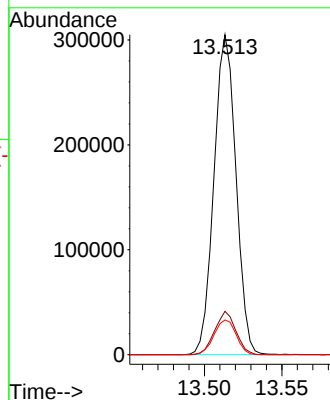
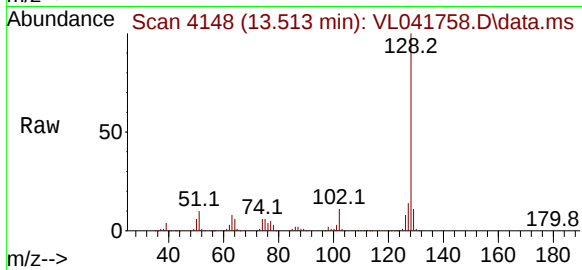
VSTDIC015

Tgt Ion:	128	Resp:	301000
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.7	16.1
129	10.9	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: 30.630 ppbv

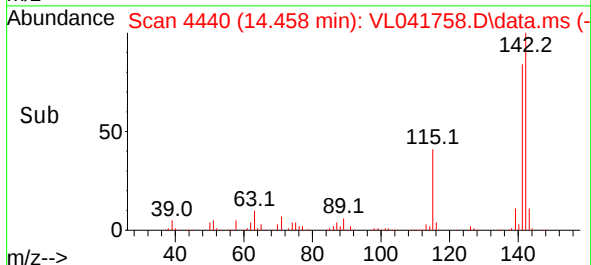
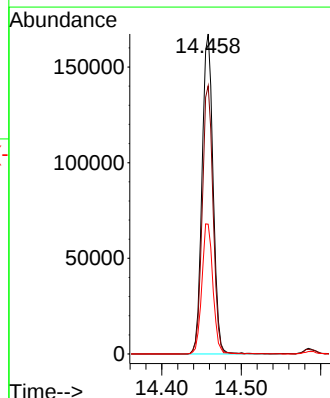
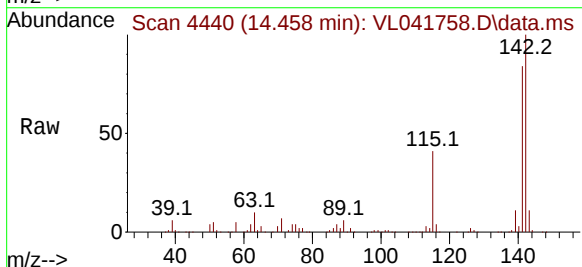
RT: 14.458 min Scan# 4440

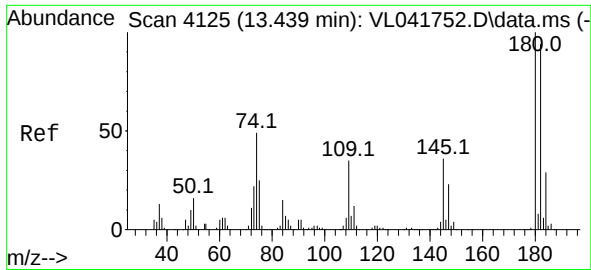
Delta R.T. -0.000 min

Lab File: VL041758.D

Acq: 16 Dec 2024 16:41

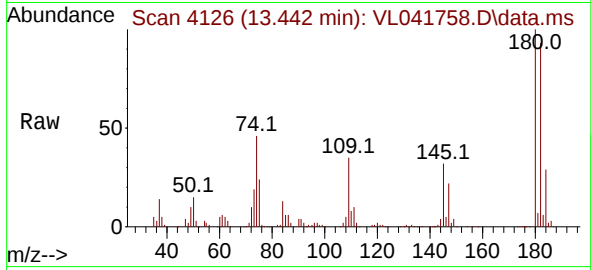
Tgt Ion:	142	Resp:	161927
Ion Ratio	Lower	Upper	
142	100		
141	82.6	68.4	102.6
115	40.9	32.5	48.7





#81
1,2,4-Trichlorobenzene
Concen: 15.669 ppbv
RT: 13.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041758.D
Acq: 16 Dec 2024 16:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015



Tgt Ion:180 Resp: 146340
Ion Ratio Lower Upper
180 100
182 94.8 77.0 115.6
184 30.0 23.8 35.8

Manual Integrations
APPROVED

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

