

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052225\
 Data File : VL042574.D
 Acq On : 22 May 2025 10:55
 Operator : SY/MD
 Sample : VL0522ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:32:02 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

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

QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	127482	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	400201	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	348677	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 302494 10.840 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	238768	10.015	ppbv	99
3) Chlorodifluoromethane	1.480	51	191299	9.739	ppbv	98
4) Chloromethane	1.538	50	76931	10.016	ppbv	95
5) Vinyl Chloride	1.583	62	80061	9.455	ppbv	98
6) Bromomethane	1.671	94	48489	9.954	ppbv	96
7) Chloroethane	1.709	64	32949	9.677	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	203162	10.060	ppbv	99
9) Propene	1.486	41	60473	8.859	ppbv	100
10) Heptane	4.998	43	187428	10.420	ppbv	99
11) Trichlorofluoromethane	1.881	101	236122	9.486	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	189231	9.431	ppbv	97
13) Ethanol	1.726	45	7218	7.294	ppbv	97
14) Bromoethene	1.787	108	71823	9.475	ppbv	99
15) Acetone	1.839	43	144672	8.144	ppbv	99
16) 1,3-Butadiene	1.612	39	69153	9.588	ppbv	99
17) tert-Butyl alcohol	2.046	59	182924	8.910	ppbv	99
18) 1,1-Dichloroethene	2.040	96	85258	9.402	ppbv	97
19) Isopropyl Alcohol	1.891	45	92336	9.140	ppbv #	36
20) Methylene Chloride	2.069	84	72253	8.400	ppbv	97
21) Allyl Chloride	2.101	41	107772	9.471	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	96425	9.584	ppbv	99
23) Vinyl Acetate	2.470	43	190759	9.437	ppbv	98
24) 1,1-Dichloroethane	2.415	63	164530	9.536	ppbv	99
25) Ethyl Acetate	2.845	43	348060	10.135	ppbv	99
26) Hexane	2.836	57	156680	10.091	ppbv	97
27) Carbon Disulfide	2.156	76	221164	9.834	ppbv	95
28) Methyl tert-Butyl Ether	2.447	73	89767	8.580	ppbv	100
29) Chloroform	2.858	83	292805	9.972	ppbv	98
30) Cyclohexane	3.872	84	135696	10.102	ppbv	97
31) cis-1,2-Dichloroethene	2.732	61	155469	9.107	ppbv	97
32) 1,1,1-Trichloroethane	3.380	97	298202	9.938	ppbv	99
34) 2-Butanone	2.567	43	214559	10.099	ppbv	97
35) Carbon Tetrachloride	3.778	117	327974	10.718	ppbv	98
36) Benzene	3.671	78	330796	10.214	ppbv	99
37) 1,2-Dichloroethane	3.231	62	209635	10.594	ppbv	98
38) Trichloroethene	4.567	130	149139	10.090	ppbv	99
39) 1,2-Dichloropropane	4.328	63	116611	10.258	ppbv	97
40) 1,4-Dioxane	4.603	88	54015	10.623	ppbv #	93
41) Tetrahydrofuran	3.066	42	111002	10.718	ppbv	97
42) Bromodichloromethane	4.506	83	305637	10.961	ppbv	100
43) Methyl Methacrylate	4.901	69	119511	10.874	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	548509	11.043	ppbv	97
45) t-1,3-Dichloropropene	6.441	75	145228	10.359	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052225\
 Data File : VL042574.D
 Acq On : 22 May 2025 10:55
 Operator : SY/MD
 Sample : VL0522ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:32:02 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M

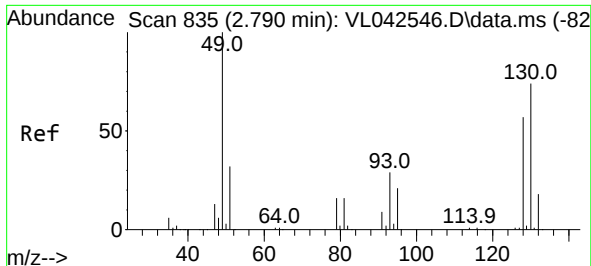
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed May 21 00:21:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	177691	10.422	ppbv	96
47) 1,1,2-Trichloroethane	6.603	97	145377	10.676	ppbv	95
48) Dibromochloromethane	7.406	129	259309	11.003	ppbv	99
49) Bromoform	9.500	173	230404	11.455	ppbv	100
50) 4-Methyl-2-Pentanone	5.778	43	292368	11.470	ppbv	99
51) 2-Hexanone	7.454	43	232456	12.365	ppbv #	98
52) Tetrachloroethene	8.241	164	126227	9.994	ppbv	95
53) Toluene	6.953	91	375775	10.855	ppbv	99
54) 1,2-Dibromoethane	7.671	107	219515	11.064	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	209838	11.288	ppbv	99
57) Chlorobenzene	8.937	112	335918	10.815	ppbv	99
58) Ethyl Benzene	9.371	91	545952	11.960	ppbv	97
59) m/p-Xylene	9.565	91	958763m	24.599	ppbv	
60) o-Xylene	9.979	91	482455	12.497	ppbv	100
61) Styrene	9.885	104	178172	12.041	ppbv	98
62) Isopropylbenzene	10.552	105	699623	11.844	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	301783	11.698	ppbv	99
64) n-propylbenzene	11.002	120	184535	12.541	ppbv	99
65) tert-Butylbenzene	11.542	119	660222	12.426	ppbv	99
66) Benzyl Chloride	11.627	91	82949	12.478	ppbv	100
67) sec-Butylbenzene	11.779	105	911505	12.154	ppbv	100
69) p-Isopropyltoluene	11.937	119	780660	12.604	ppbv	100
70) n-Butylbenzene	12.293	91	763142	13.041	ppbv	99
71) 2-Chlorotoluene	10.914	91	512932	12.066	ppbv	99
72) 4-Ethyltoluene	11.138	105	602854	12.644	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	506464	12.280	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	593362	11.931	ppbv	96
75) 1,3-Dichlorobenzene	11.620	146	360249	11.736	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	354988	11.909	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	352248	11.647	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	260697	10.436	ppbv	99
79) Naphthalene	13.523	128	517630	13.890	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	278060	14.481	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	278893	12.459	ppbv	99

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



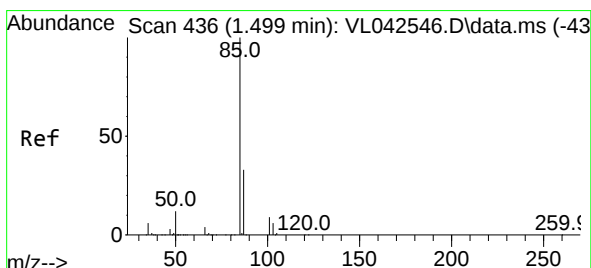
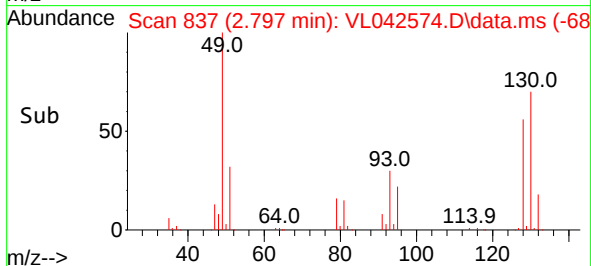
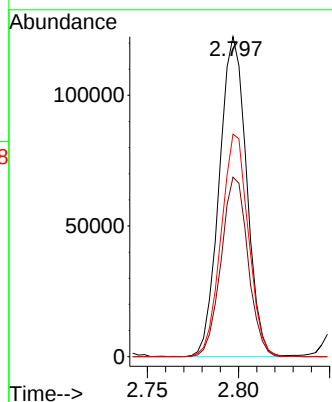
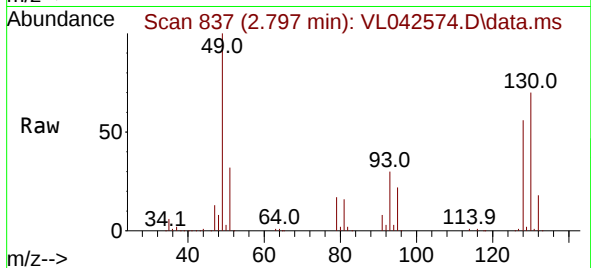
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 49 Resp: 12748
Ion Ratio Lower Upper
49 100
128 55.2 28.6 85.8
130 69.5 36.6 109.8

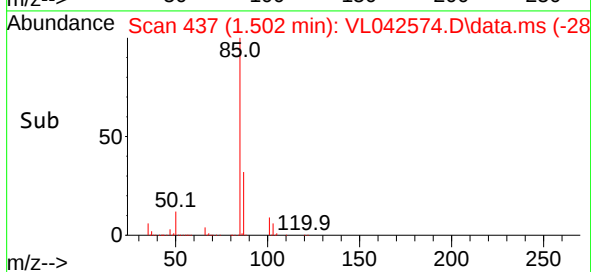
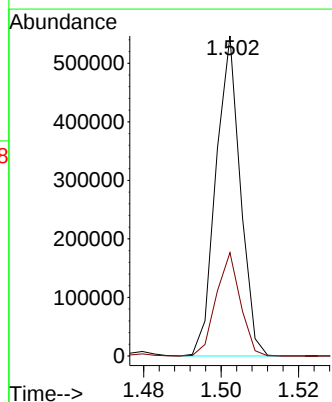
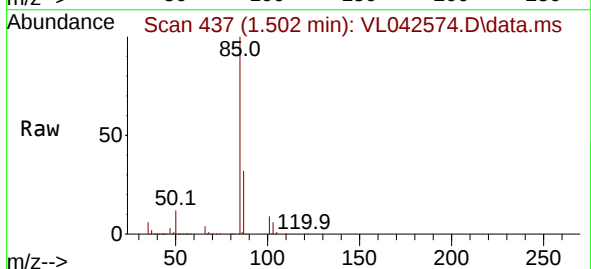
Manual Integrations
APPROVED

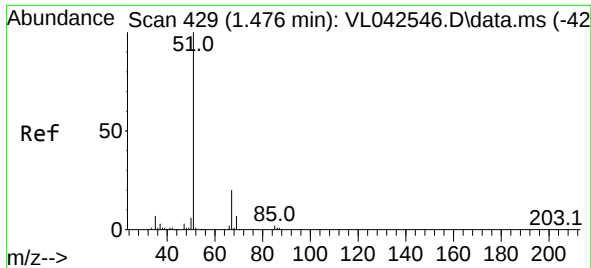
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#2
Dichlorodifluoromethane
Concen: 10.015 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

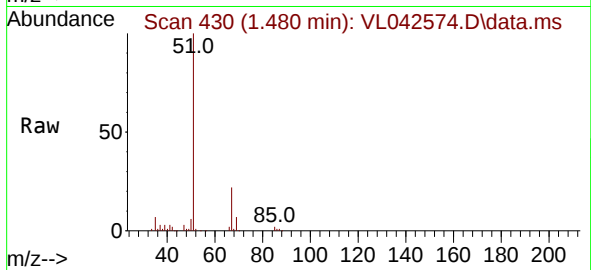
Tgt Ion: 85 Resp: 238768
Ion Ratio Lower Upper
85 100
87 32.3 26.2 39.4





#3
Chlorodifluoromethane
Concen: 9.739 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

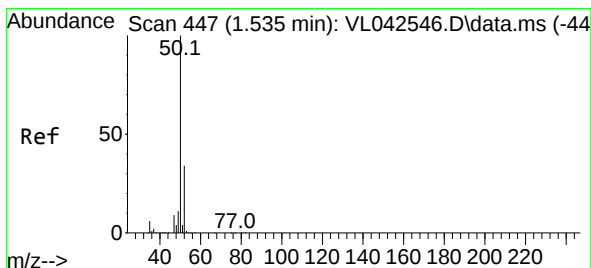
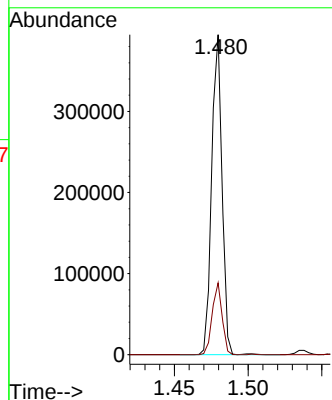
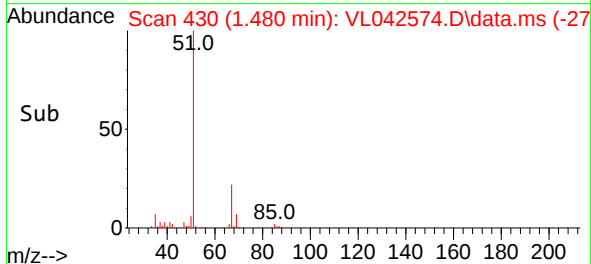
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



Tgt Ion: 51 Resp: 191299
Ion Ratio Lower Upper
51 100
67 21.5 16.6 25.0

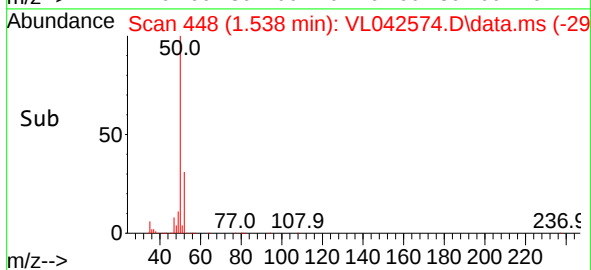
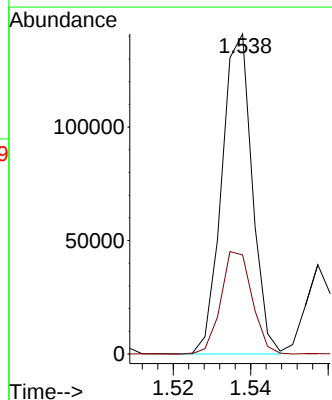
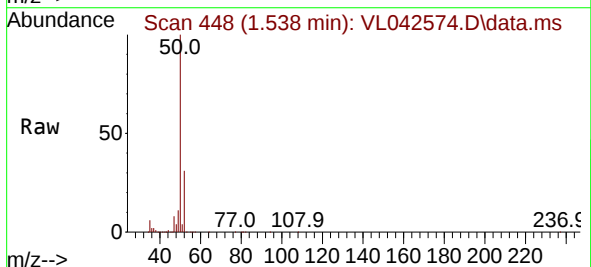
Manual Integrations
APPROVED

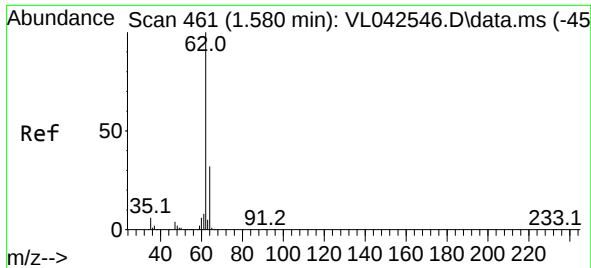
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#4
Chloromethane
Concen: 10.016 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 50 Resp: 76931
Ion Ratio Lower Upper
50 100
52 31.0 26.9 40.3





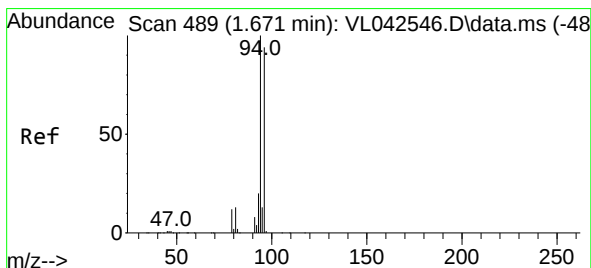
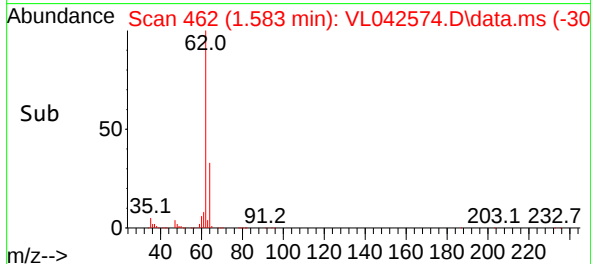
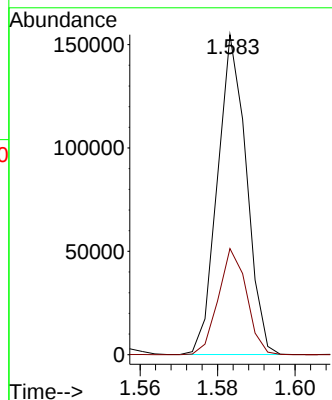
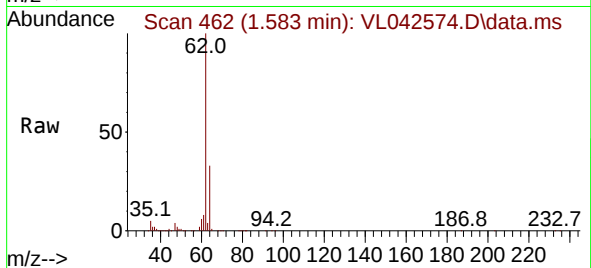
#5
 Vinyl Chloride
 Concen: 9.455 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Tgt Ion: 62 Resp: 8006
 Ion Ratio Lower Upper
 62 100
 64 33.2 25.7 38.5

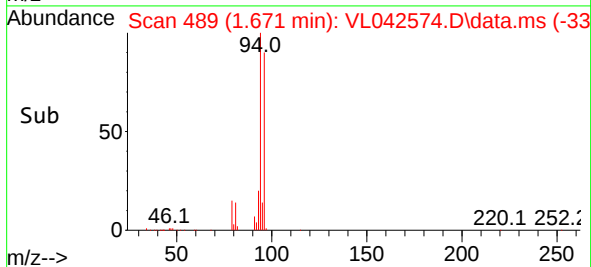
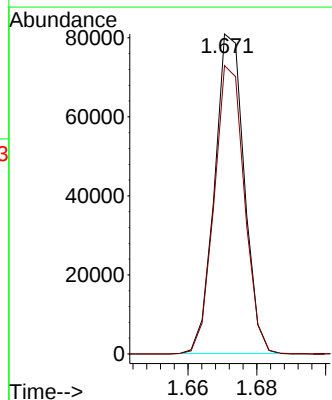
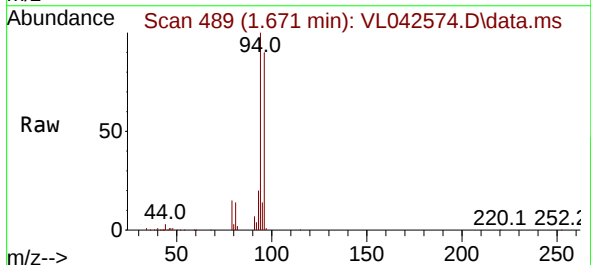
Manual Integrations
 APPROVED

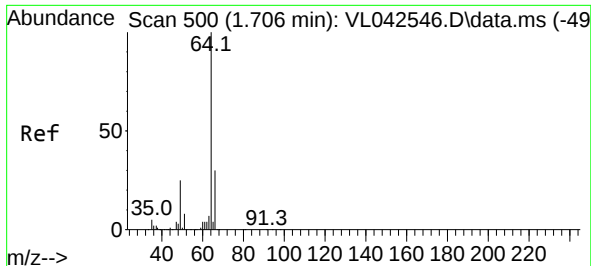
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#6
 Bromomethane
 Concen: 9.954 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

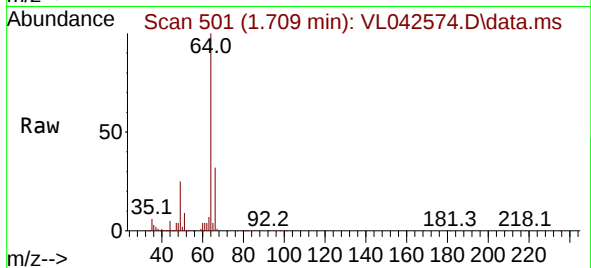
Tgt Ion: 94 Resp: 48489
 Ion Ratio Lower Upper
 94 100
 96 90.1 74.9 112.3





#7
Chloroethane
Concen: 9.677 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

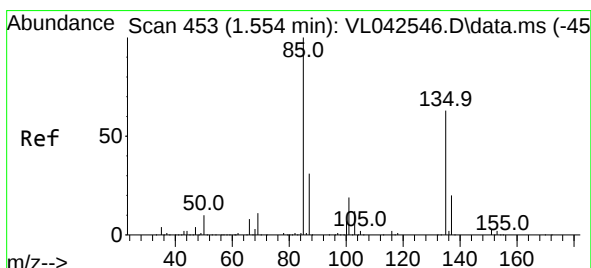
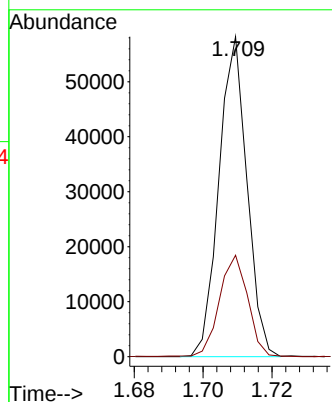
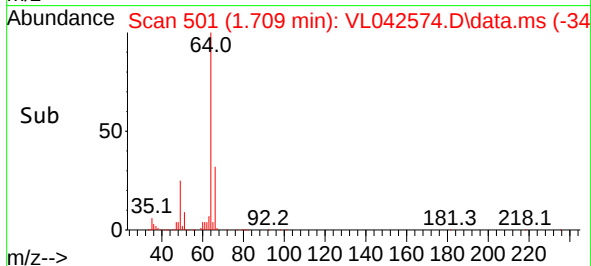
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



Tgt Ion: 64 Resp: 32949
Ion Ratio Lower Upper
64 100
66 31.7 24.4 36.6

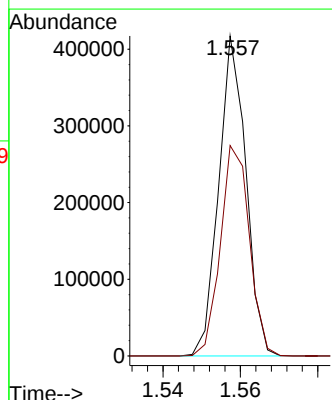
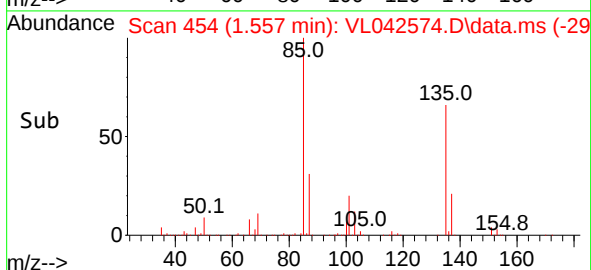
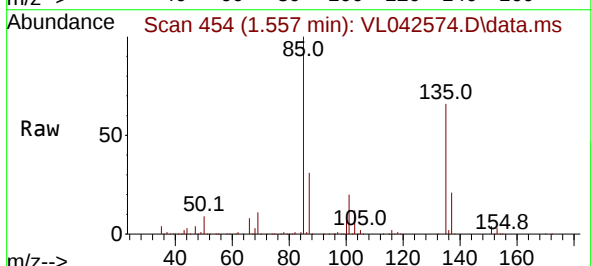
Manual Integrations
APPROVED

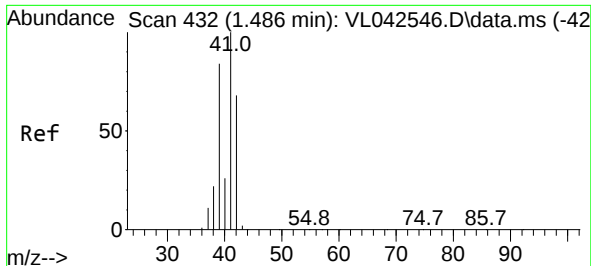
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#8
Dichlorotetrafluoroethane
Concen: 10.060 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 85 Resp: 203162
Ion Ratio Lower Upper
85 100
135 70.4 57.2 85.8





#9

Propene

Concen: 8.859 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion: 41 Resp: 6047

Ion Ratio Lower Upper

41 100

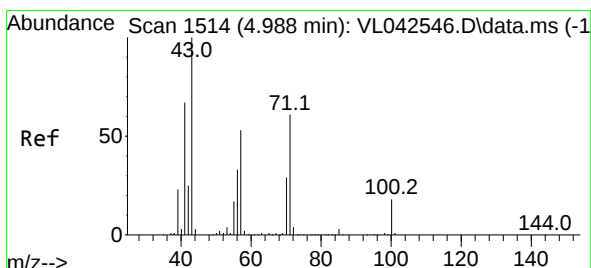
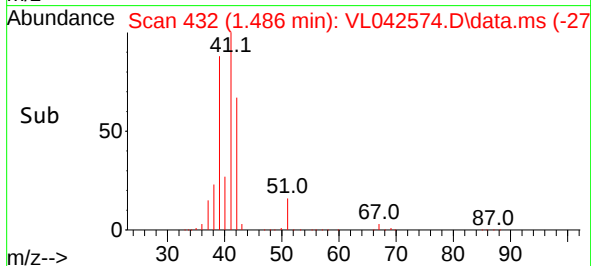
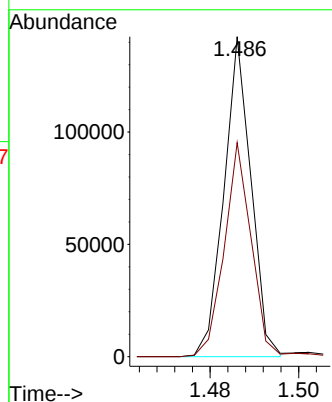
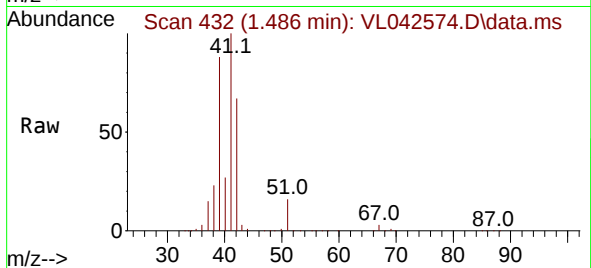
42 68.6 55.0 82.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#10

Heptane

Concen: 10.420 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.010 min

Lab File: VL042574.D

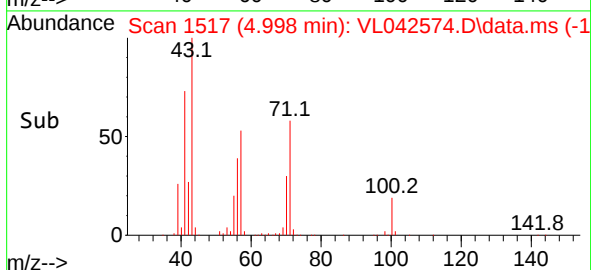
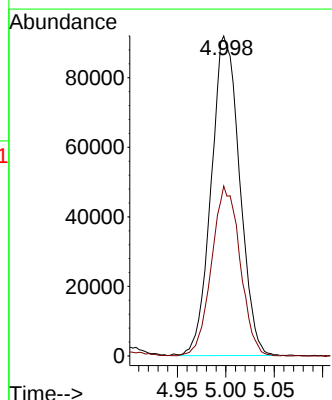
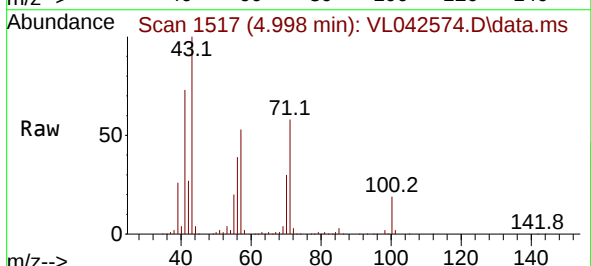
Acq: 22 May 2025 10:55

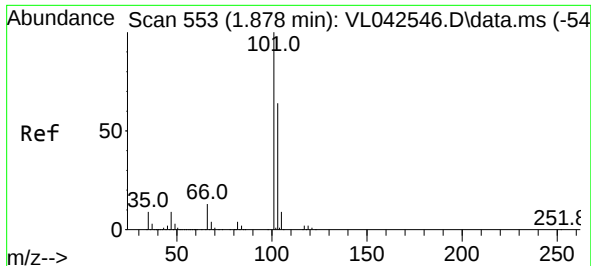
Tgt Ion: 43 Resp: 187428

Ion Ratio Lower Upper

43 100

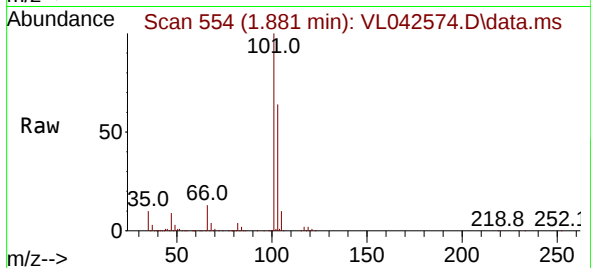
57 53.3 43.4 65.0





#11
Trichlorofluoromethane
Concen: 9.486 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

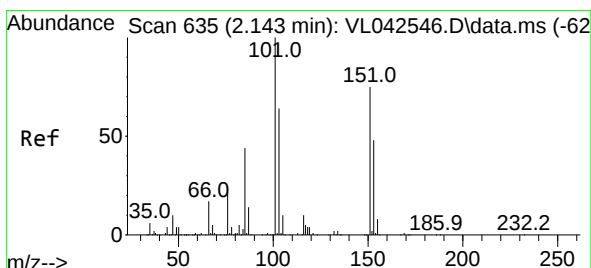
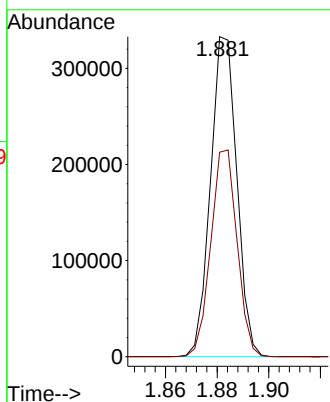
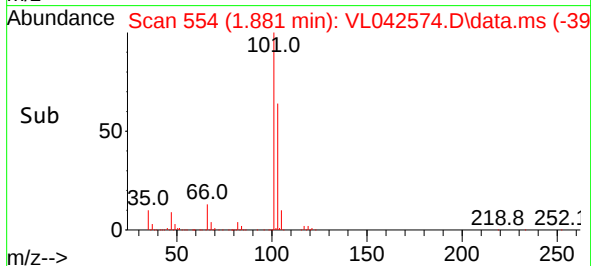
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



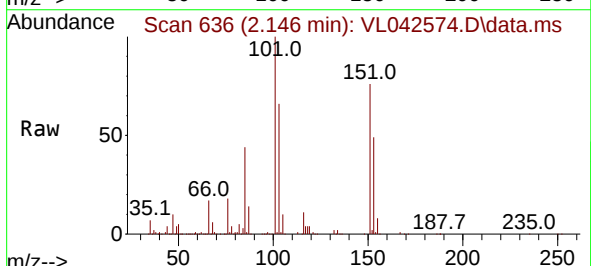
Tgt Ion:101 Resp: 23612
Ion Ratio Lower Upper
101 100
103 63.9 51.5 77.3

Manual Integrations
APPROVED

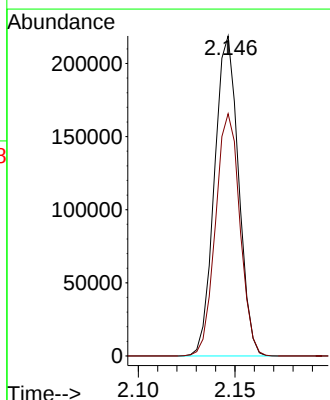
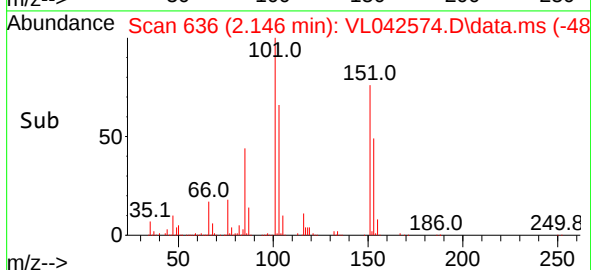
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

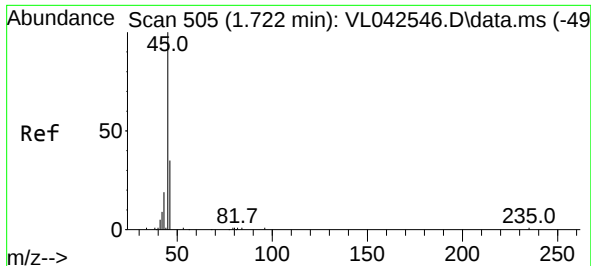


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.431 ppbv
RT: 2.146 min Scan# 636
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55



Tgt Ion:101 Resp: 189231
Ion Ratio Lower Upper
101 100
151 76.7 59.5 89.3





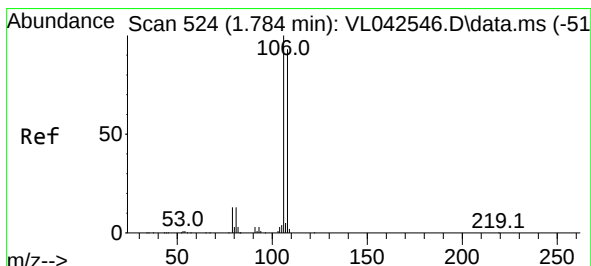
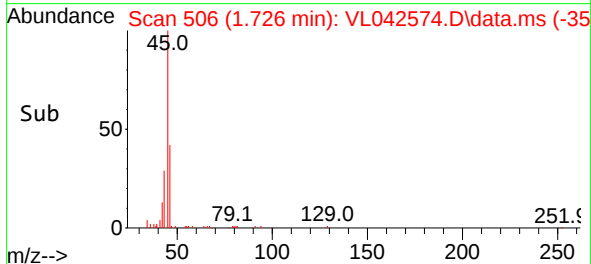
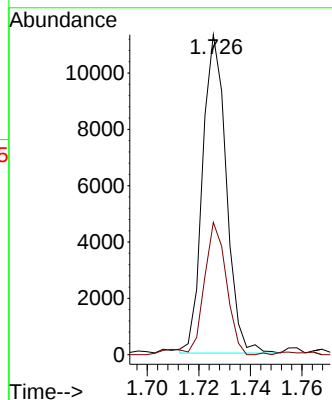
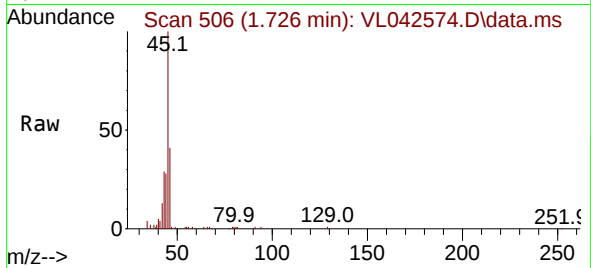
#13
Ethanol
Concen: 7.294 ppbv
RT: 1.726 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 45 Resp: 7218
Ion Ratio Lower Upper
45 100
46 39.9 15.3 61.3

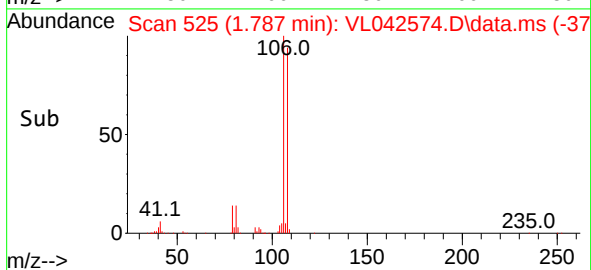
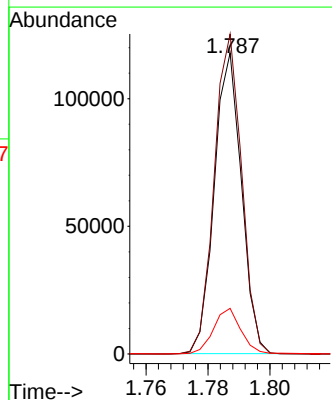
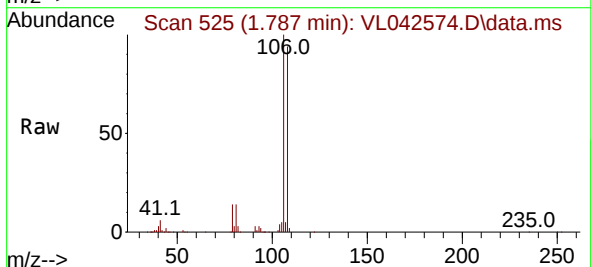
Manual Integrations
APPROVED

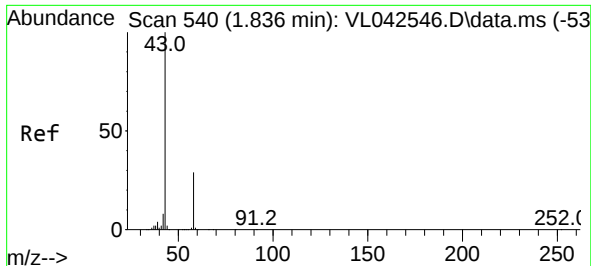
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#14
Bromoethene
Concen: 9.475 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

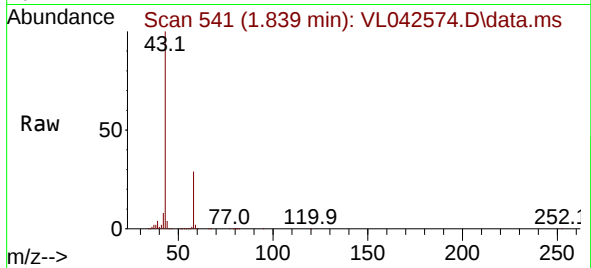
Tgt Ion:108 Resp: 71823
Ion Ratio Lower Upper
108 100
106 107.1 86.4 129.6
79 15.6 11.9 17.9





#15
Acetone
Concen: 8.144 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

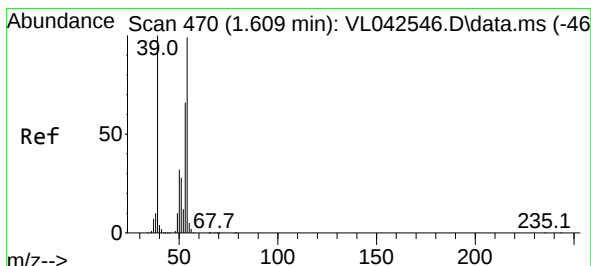
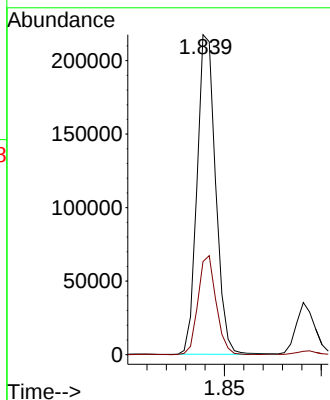
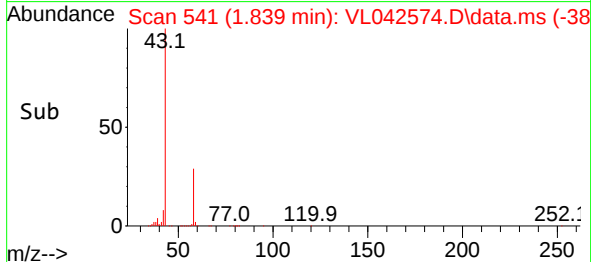
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



Tgt Ion: 43 Resp: 144672
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.2

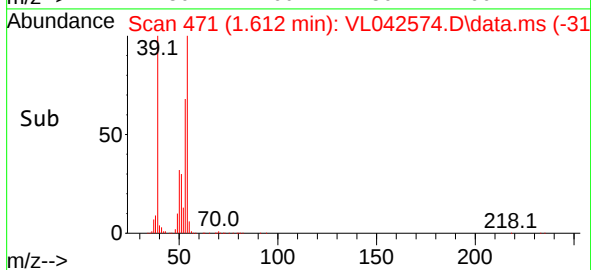
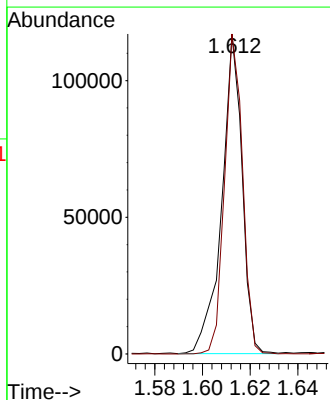
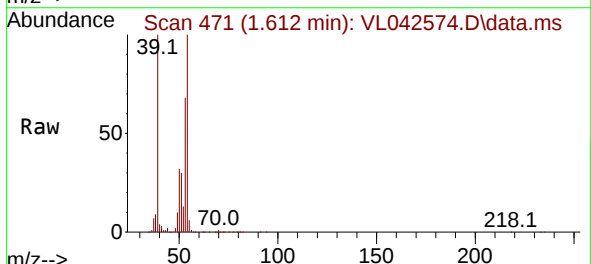
Manual Integrations
APPROVED

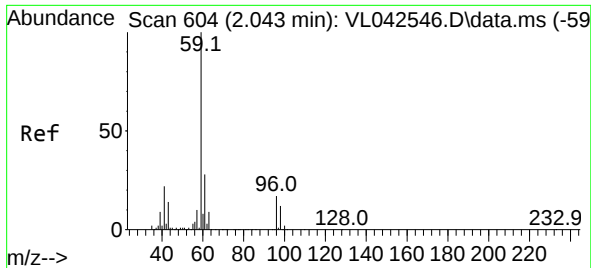
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#16
1,3-Butadiene
Concen: 9.588 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 39 Resp: 69153
Ion Ratio Lower Upper
39 100
54 88.7 71.8 107.8





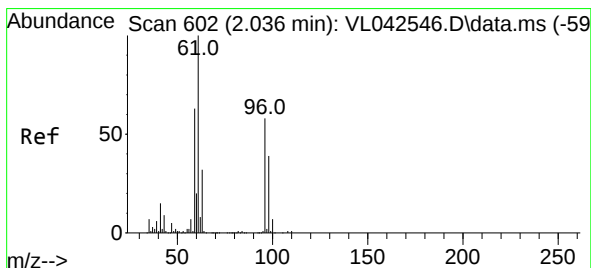
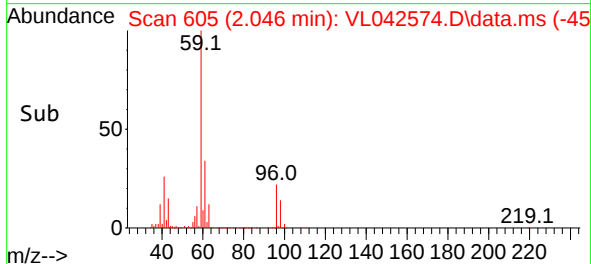
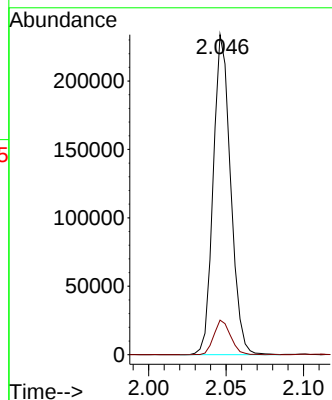
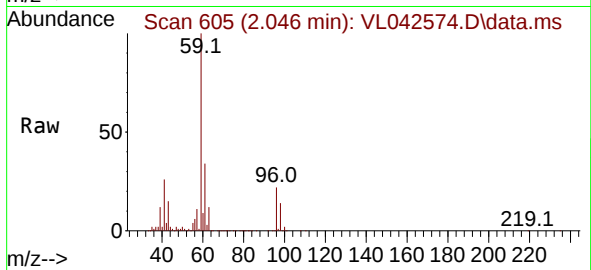
#17
tert-Butyl alcohol
Concen: 8.910 ppbv
RT: 2.046 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 59 Resp: 182924
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.2

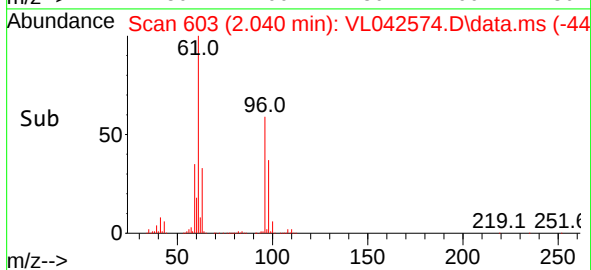
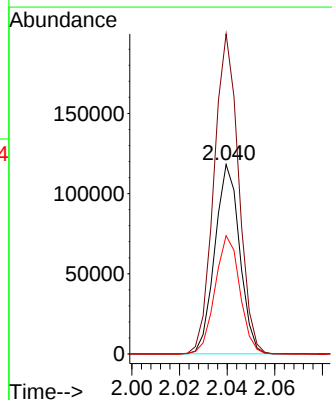
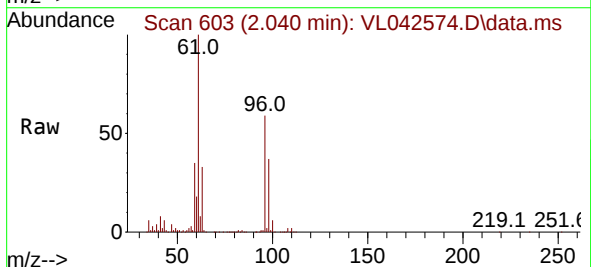
Manual Integrations
APPROVED

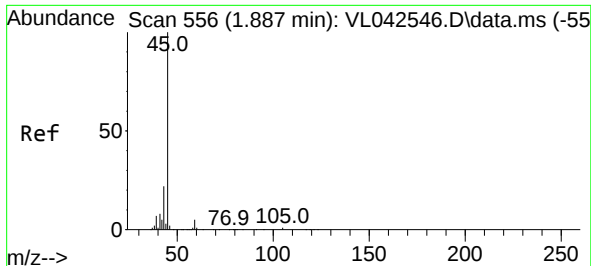
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#18
1,1-Dichloroethene
Concen: 9.402 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 96 Resp: 85258
Ion Ratio Lower Upper
96 100
61 169.0 137.5 206.3
98 62.4 53.2 79.8





#19

Isopropyl Alcohol

Concen: 9.140 ppbv

RT: 1.891 min Scan# 511

Delta R.T. 0.003 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion: 45 Resp: 92330

Ion Ratio Lower Upper

45 100

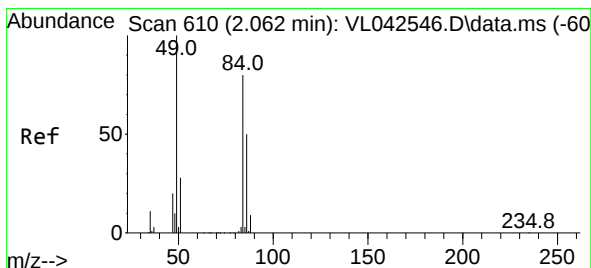
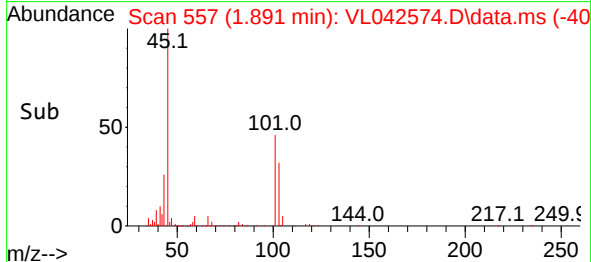
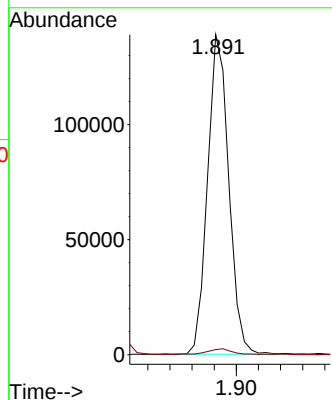
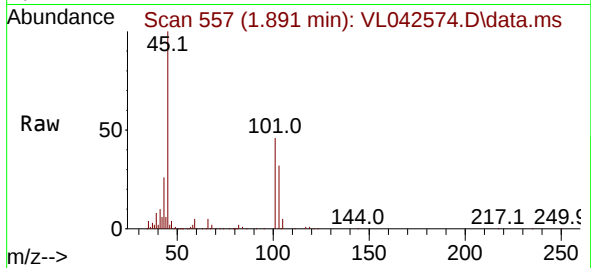
58 2.5 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#20

Methylene Chloride

Concen: 8.400 ppbv

RT: 2.069 min Scan# 612

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Tgt Ion: 84 Resp: 72253

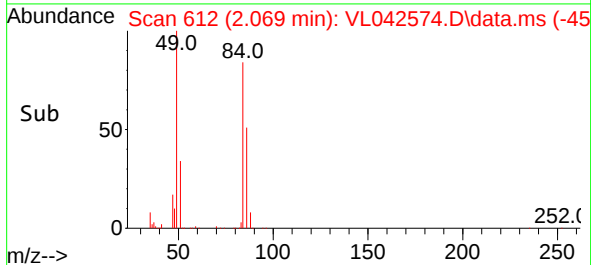
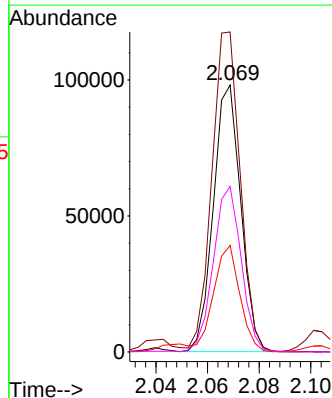
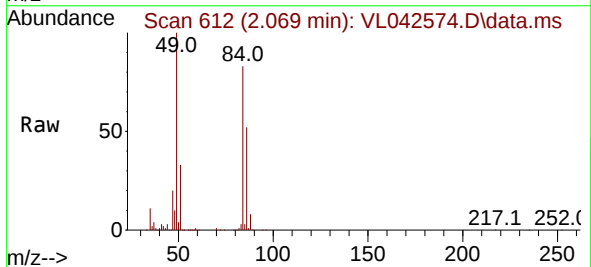
Ion Ratio Lower Upper

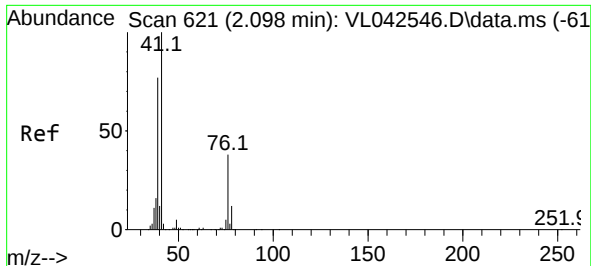
84 100

49 119.8 99.7 149.5

51 39.8 29.7 44.5

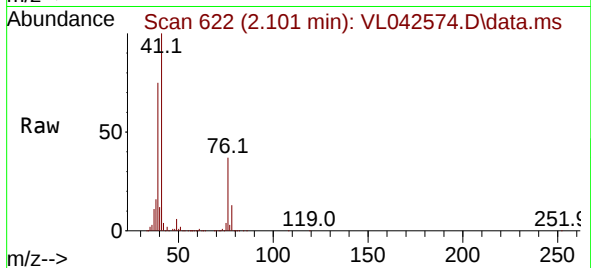
86 62.0 49.7 74.5





#21
 Allyl Chloride
 Concen: 9.471 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

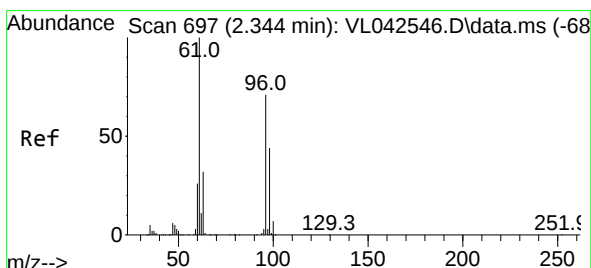
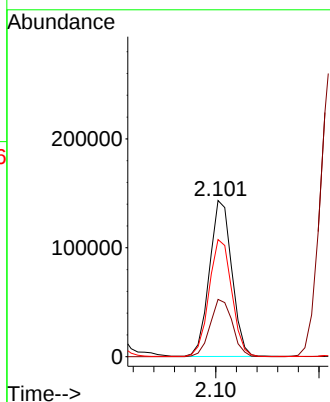
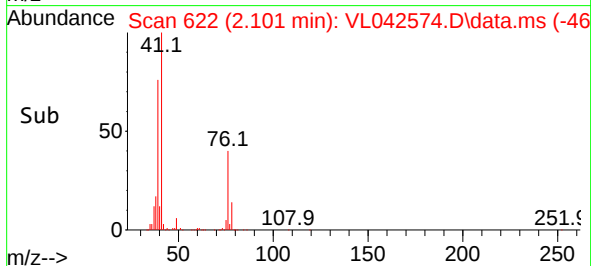
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01



Tgt Ion: 41 Resp: 107772
 Ion Ratio Lower Upper
 41 100
 76 36.6 30.2 45.4
 39 76.1 62.5 93.7

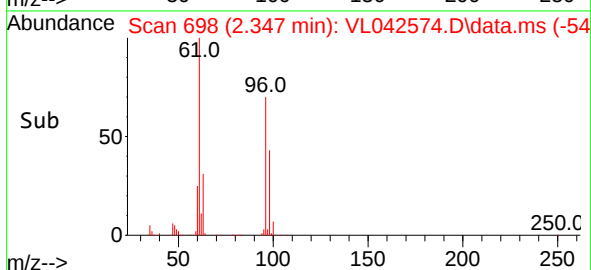
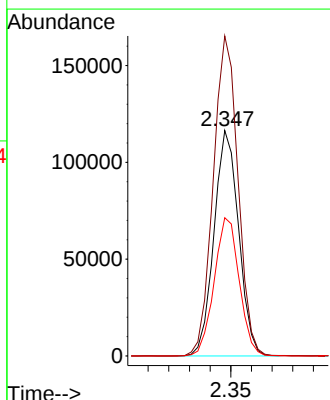
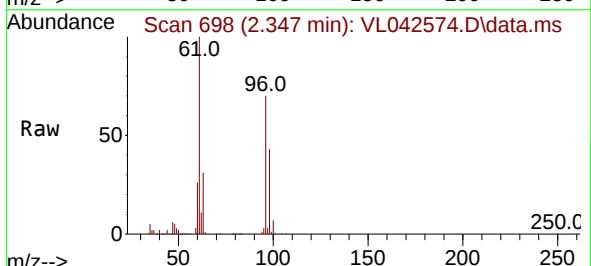
Manual Integrations
 APPROVED

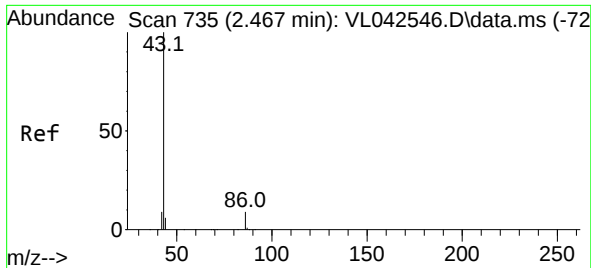
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.584 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

Tgt Ion: 96 Resp: 96425
 Ion Ratio Lower Upper
 96 100
 61 141.9 112.5 168.7
 98 61.3 49.0 73.4





#23
 Vinyl Acetate
 Concen: 9.437 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

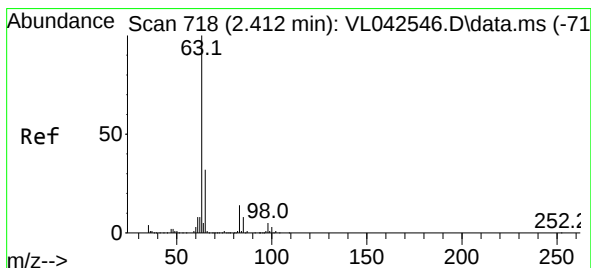
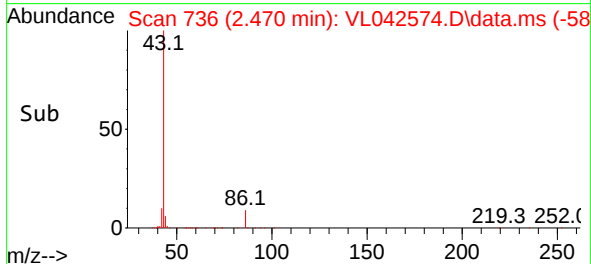
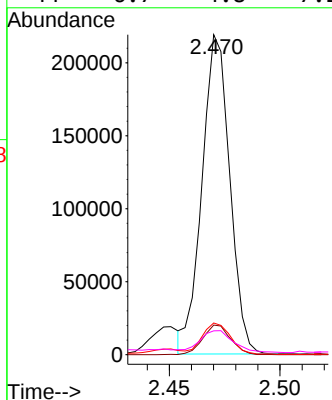
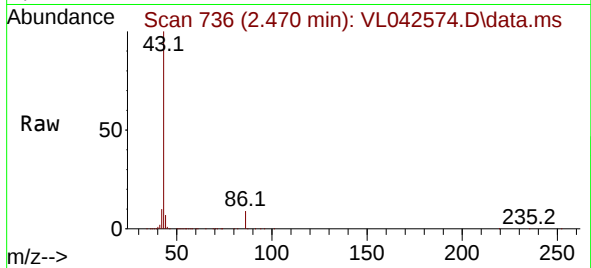
VL0522ABS01

Tgt Ion: 43 Resp: 190759
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.0 10.6
 42 9.8 7.4 11.2
 44 6.7 4.8 7.2

Manual Integrations

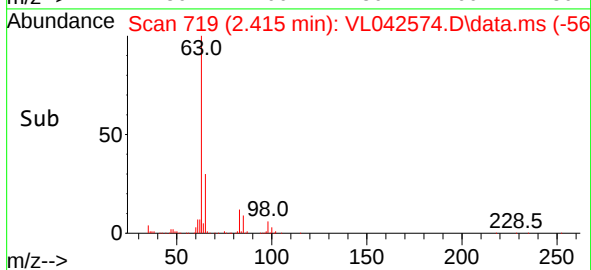
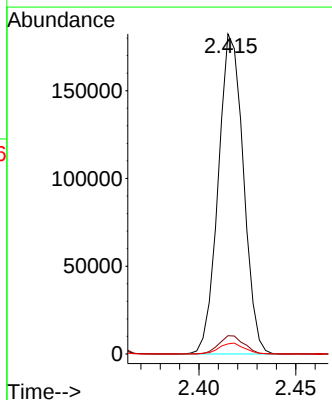
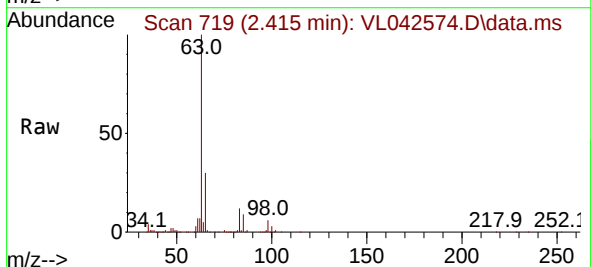
APPROVED

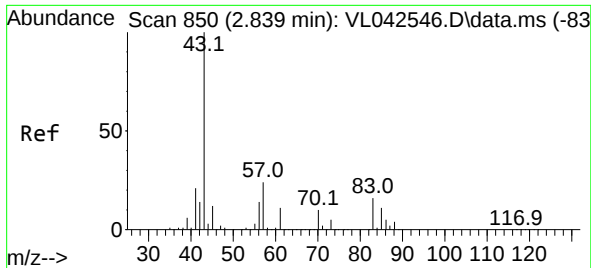
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#24
 1,1-Dichloroethane
 Concen: 9.536 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

Tgt Ion: 63 Resp: 164530
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.6 7.8
 100 3.2 1.8 5.3





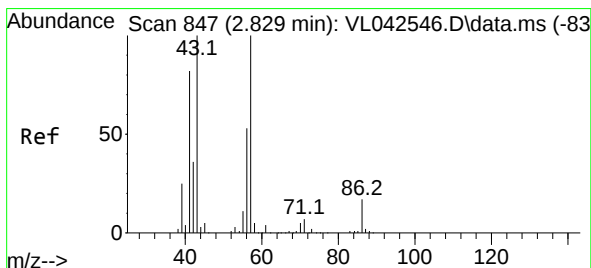
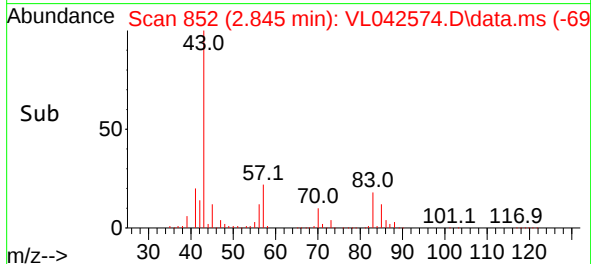
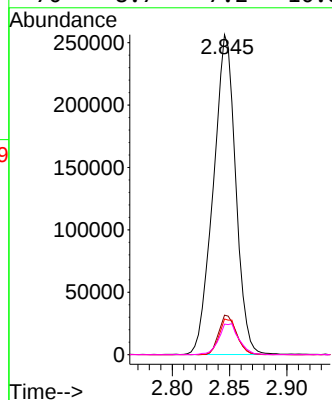
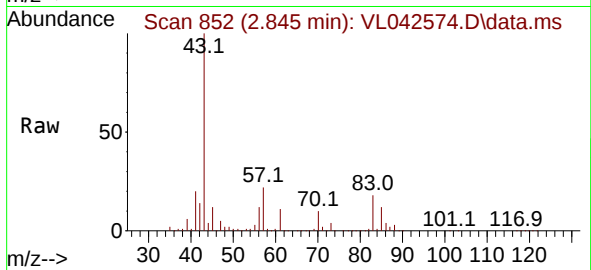
#25
Ethyl Acetate
Concen: 10.135 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 43 Resp: 348060
Ion Ratio Lower Upper
43 100
45 9.9 8.0 12.0
61 9.2 7.5 11.3
70 8.7 7.2 10.8

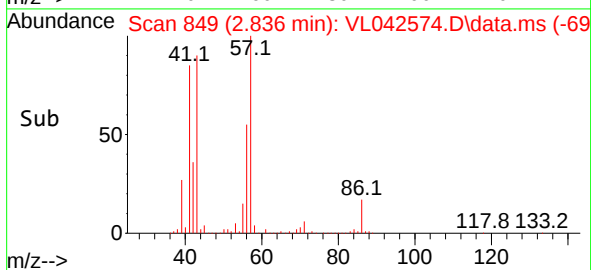
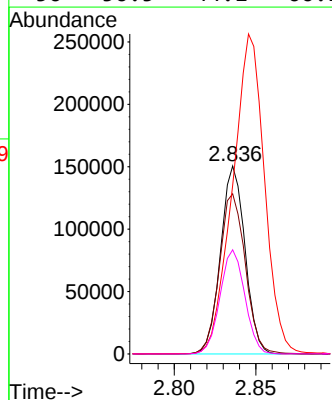
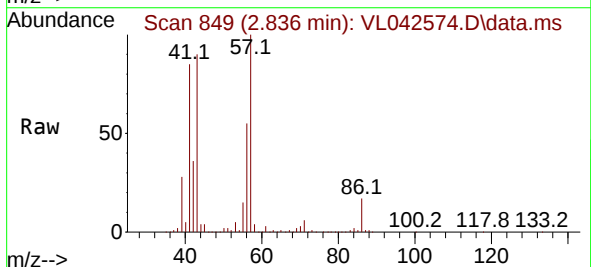
Manual Integrations
APPROVED

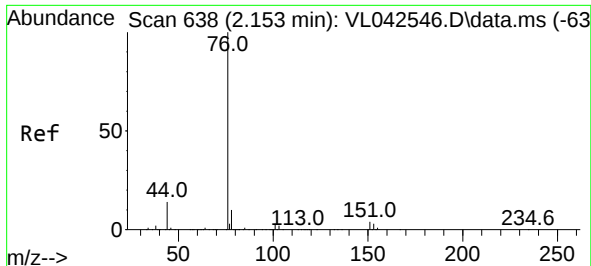
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#26
Hexane
Concen: 10.091 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

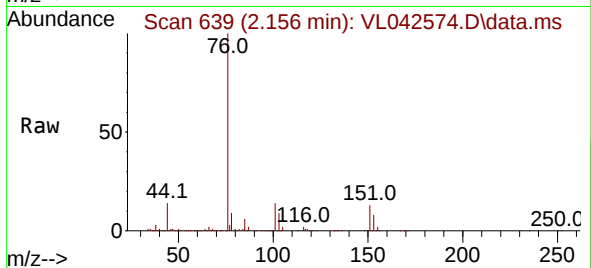
Tgt Ion: 57 Resp: 156680
Ion Ratio Lower Upper
57 100
41 91.0 69.0 103.4
43 222.6 174.2 261.2
56 56.5 44.1 66.1





#27
Carbon Disulfide
Concen: 9.834 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

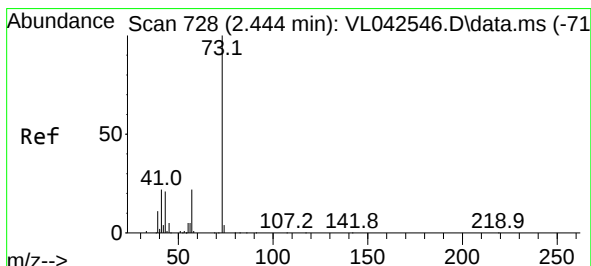
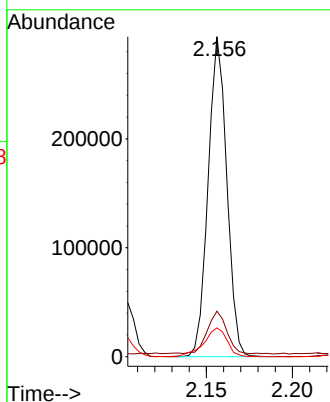
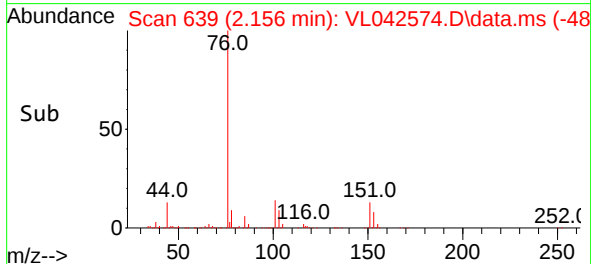
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



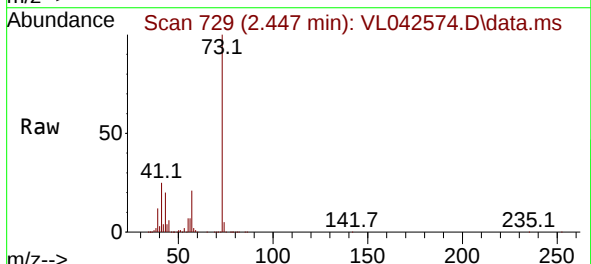
Tgt Ion: 76 Resp: 221164
Ion Ratio Lower Upper
76 100
44 14.0 14.0 21.0
78 11.2 9.4 14.0

Manual Integrations
APPROVED

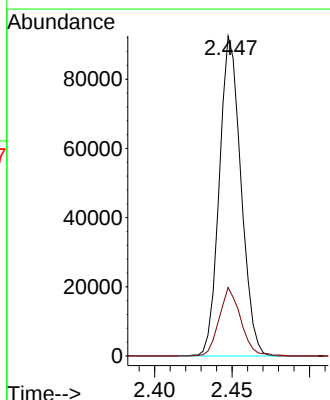
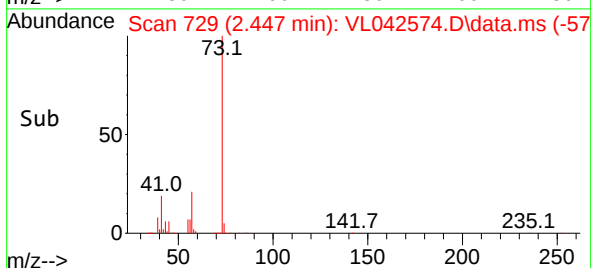
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

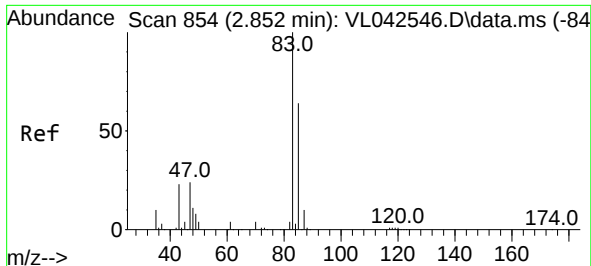


#28
Methyl tert-Butyl Ether
Concen: 8.580 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55



Tgt Ion: 73 Resp: 89767
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8





#29

Chloroform

Concen: 9.972 ppbv

RT: 2.858 min Scan# 854

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion: 83 Resp: 29280

Ion Ratio Lower Upper

83 100

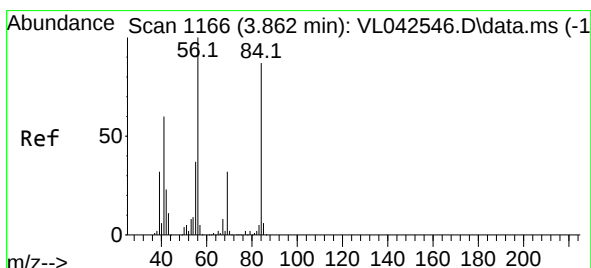
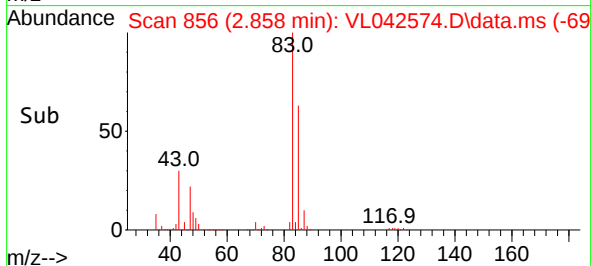
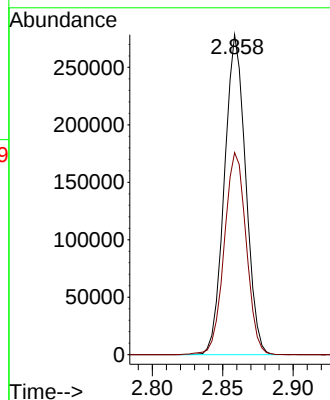
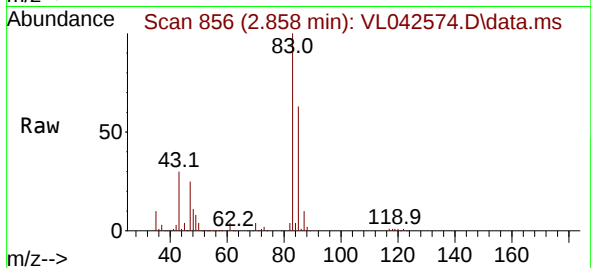
85 63.1 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#30

Cyclohexane

Concen: 10.102 ppbv

RT: 3.872 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

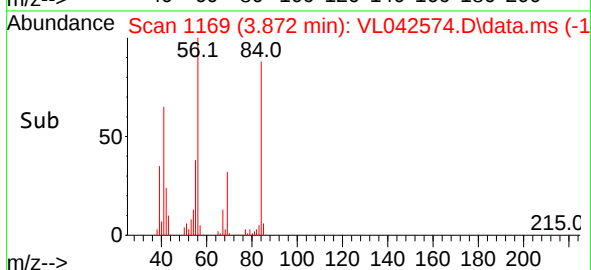
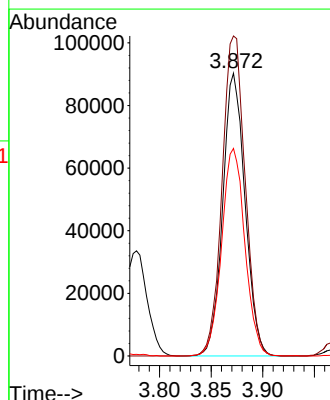
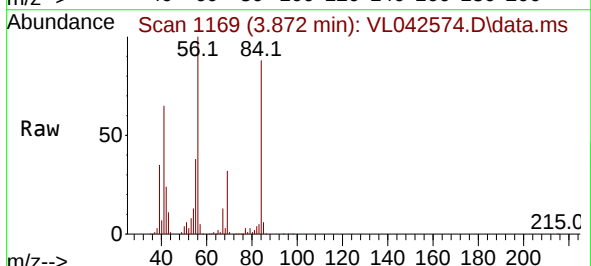
Tgt Ion: 84 Resp: 135696

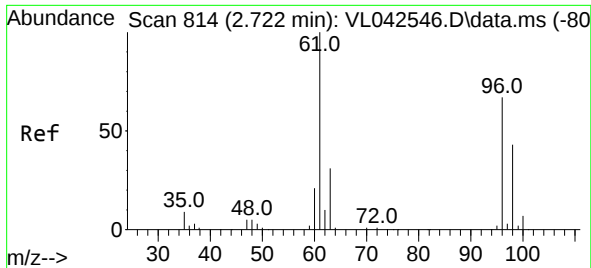
Ion Ratio Lower Upper

84 100

56 116.9 92.3 138.5

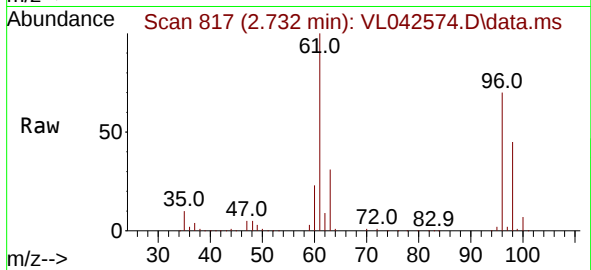
41 76.6 57.0 85.4





#31
 cis-1,2-Dichloroethene
 Concen: 9.107 ppbv
 RT: 2.732 min Scan# 814
 Delta R.T. 0.010 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

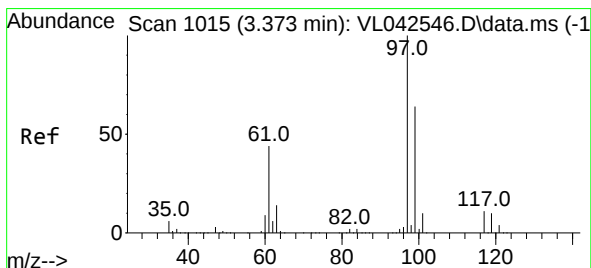
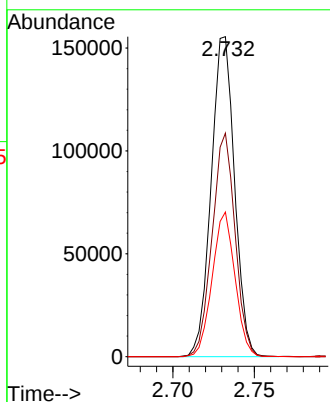
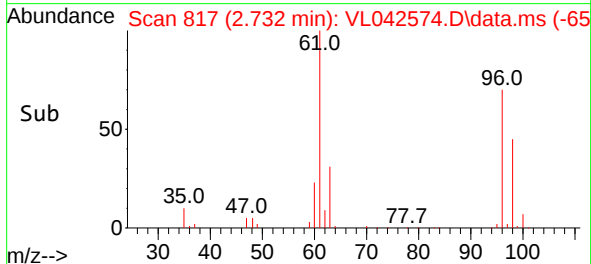
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01



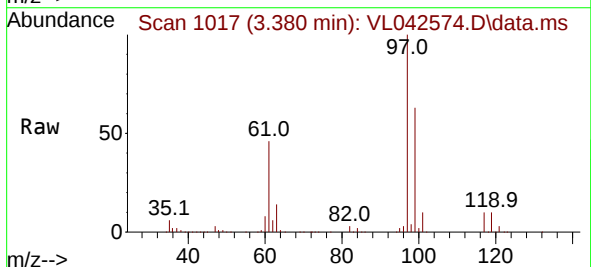
Tgt Ion: 61 Resp: 155469
 Ion Ratio Lower Upper
 61 100
 96 69.9 53.8 80.8
 98 45.2 34.5 51.7

Manual Integrations
 APPROVED

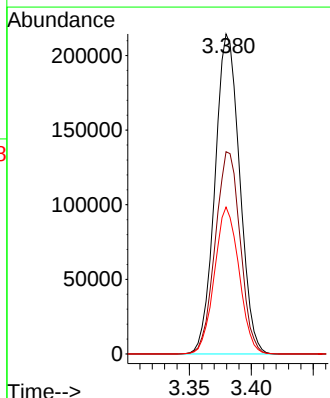
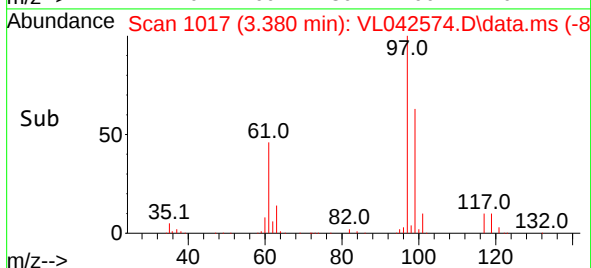
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

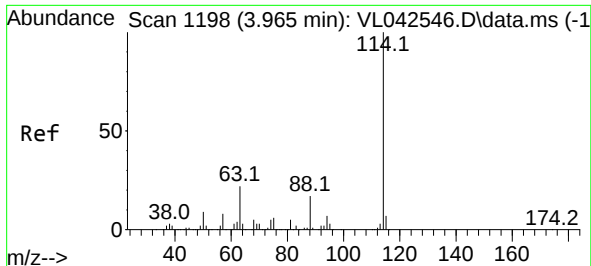


#32
 1,1,1-Trichloroethane
 Concen: 9.938 ppbv
 RT: 3.380 min Scan# 1017
 Delta R.T. 0.007 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55



Tgt Ion: 97 Resp: 298202
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.5 77.3
 61 45.7 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1198

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion:114 Resp: 40020

Ion Ratio Lower Upper

114 100

63 24.2 18.4 27.6

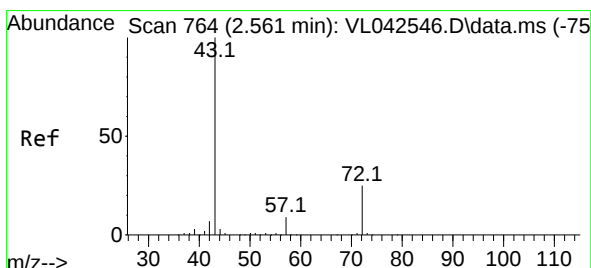
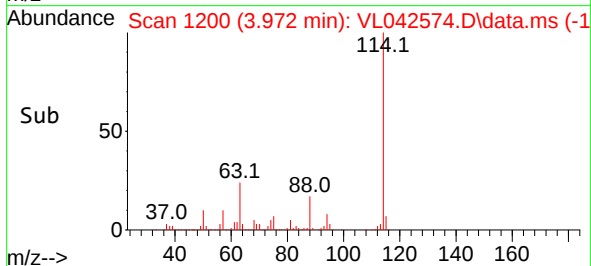
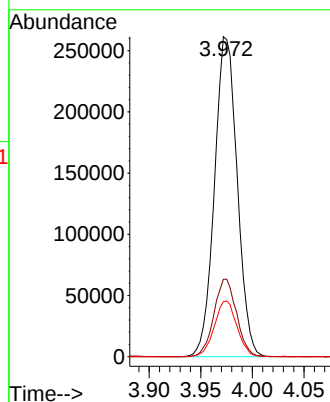
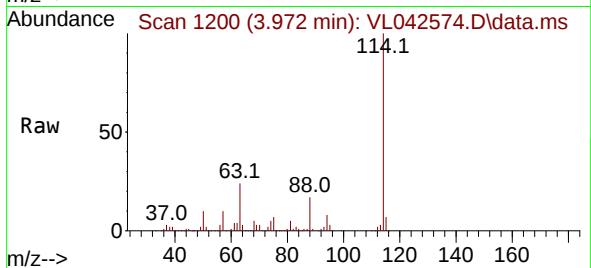
88 17.4 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#34

2-Butanone

Concen: 10.099 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.007 min

Lab File: VL042574.D

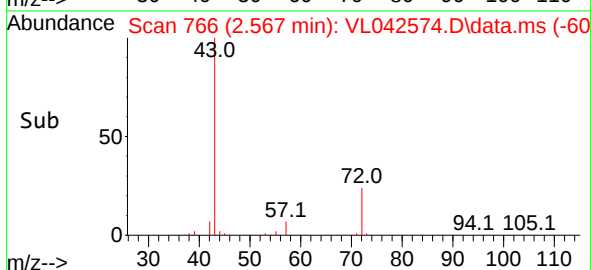
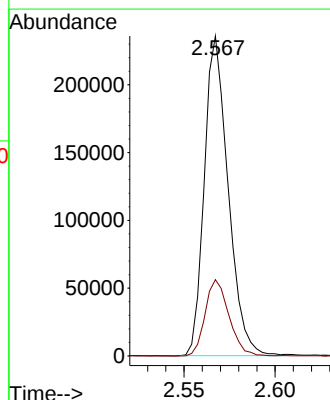
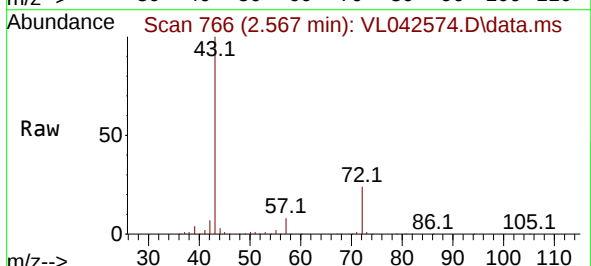
Acq: 22 May 2025 10:55

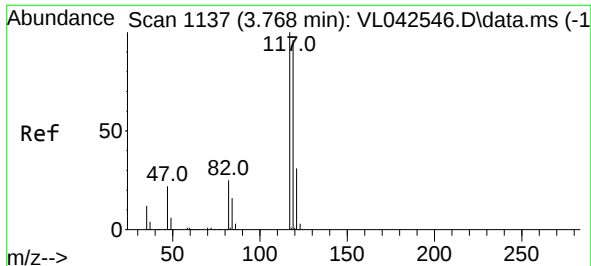
Tgt Ion: 43 Resp: 214559

Ion Ratio Lower Upper

43 100

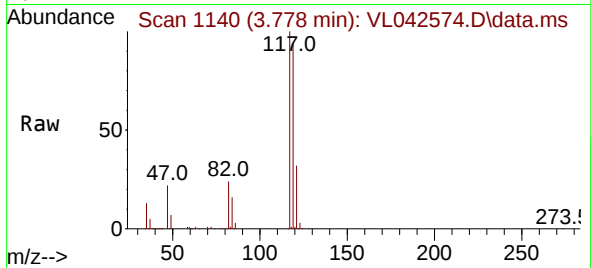
72 23.9 20.5 30.7





#35
Carbon Tetrachloride
Concen: 10.718 ppbv
RT: 3.778 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

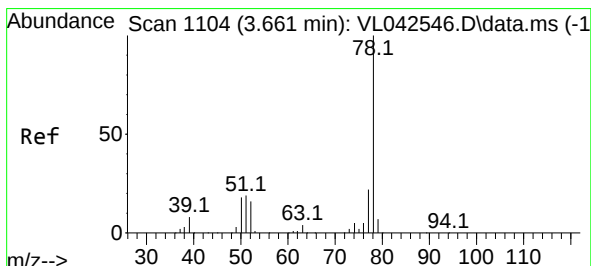
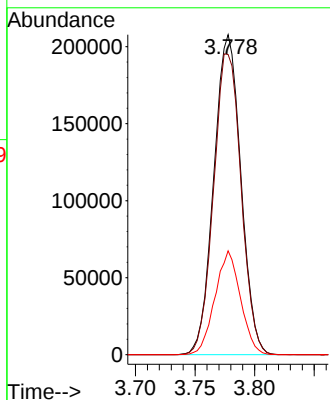
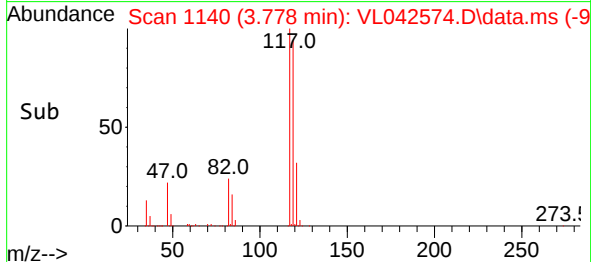
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



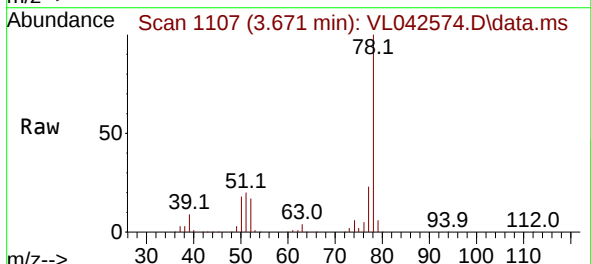
Tgt Ion:117 Resp: 327974
Ion Ratio Lower Upper
117 100
119 93.8 76.6 114.8
121 32.5 24.7 37.1

Manual Integrations
APPROVED

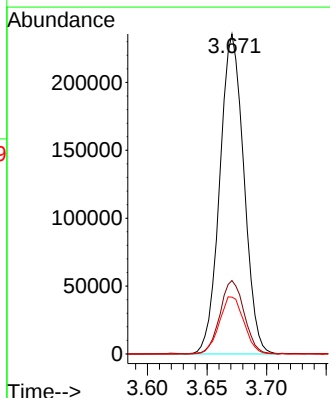
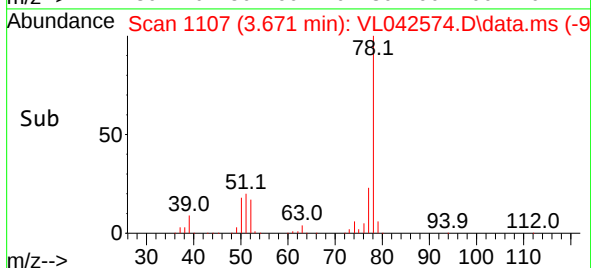
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

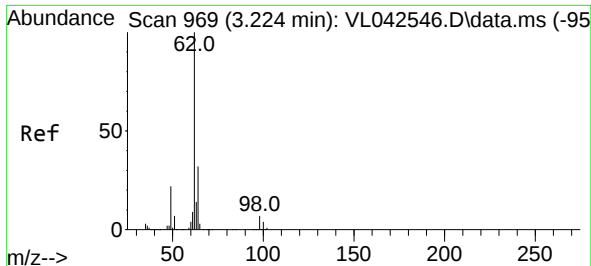


#36
Benzene
Concen: 10.214 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55



Tgt Ion: 78 Resp: 330796
Ion Ratio Lower Upper
78 100
77 22.9 17.8 26.6
50 17.8 14.0 21.0





#37

1,2-Dichloroethane

Concen: 10.594 ppbv

RT: 3.231 min Scan# 91

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion: 62 Resp: 20963

Ion Ratio Lower Upper

62 100

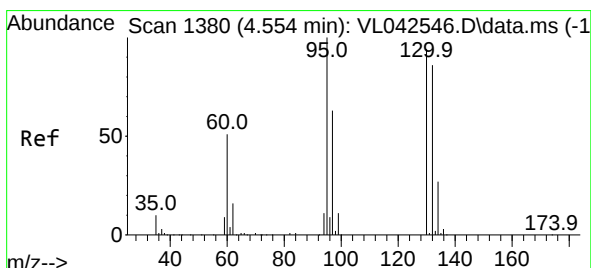
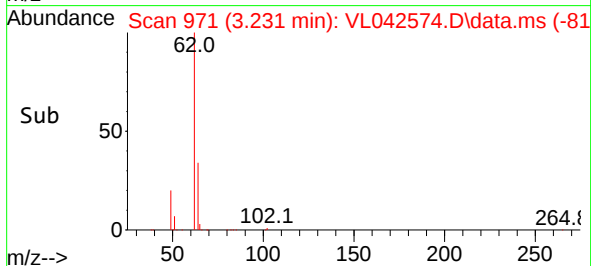
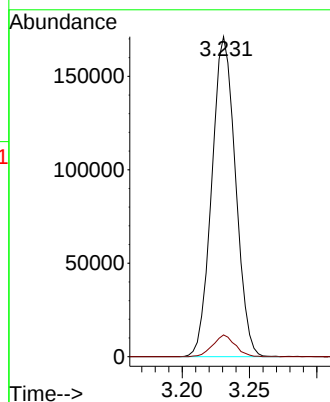
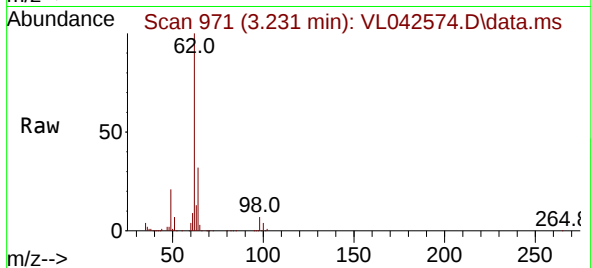
98 6.4 5.5 8.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#38

Trichloroethene

Concen: 10.090 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.013 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Tgt Ion:130 Resp: 149139

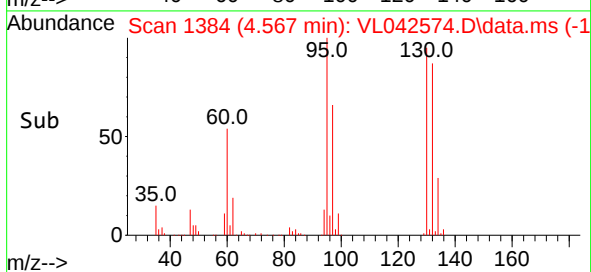
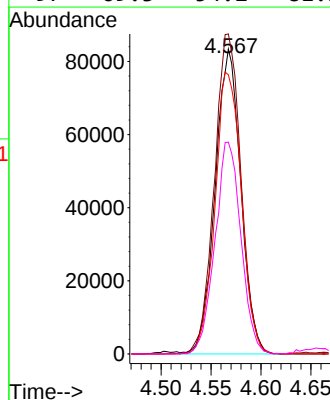
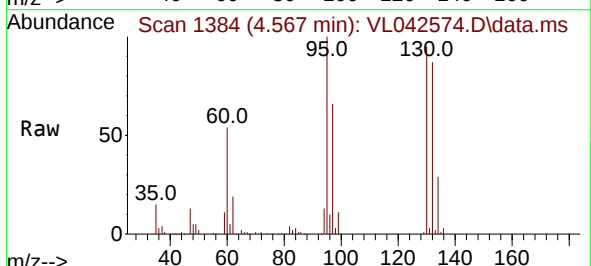
Ion Ratio Lower Upper

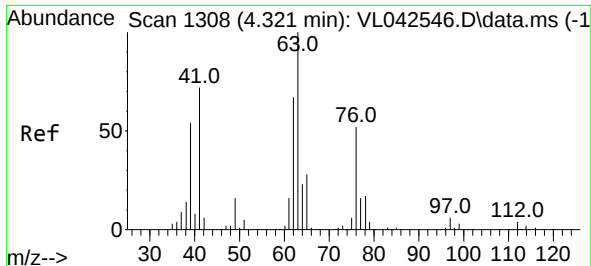
130 100

95 104.9 85.2 127.8

132 91.5 73.4 110.2

97 69.3 54.2 81.2





#39

1,2-Dichloropropane

Concen: 10.258 ppbv

RT: 4.328 min Scan# 11661

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

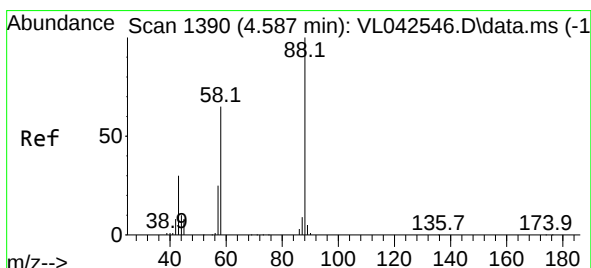
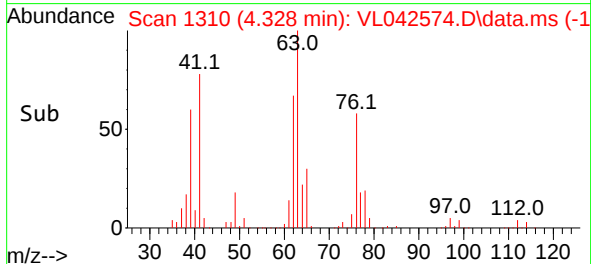
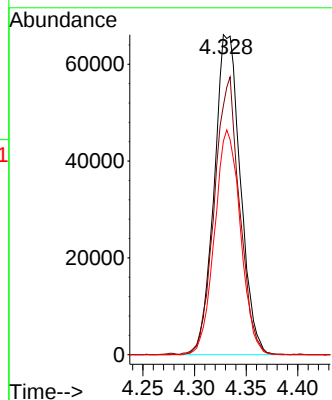
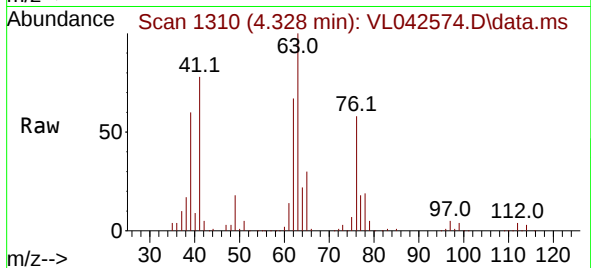
Tgt Ion: 63 Resp: 11661

Ion	Ratio	Lower	Upper
63	100		
41	77.7	58.0	87.0
62	66.8	53.3	79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#40

1,4-Dioxane

Concen: 10.623 ppbv

RT: 4.603 min Scan# 1395

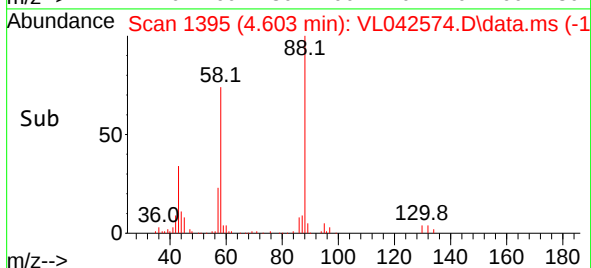
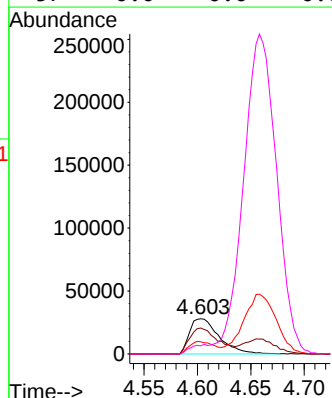
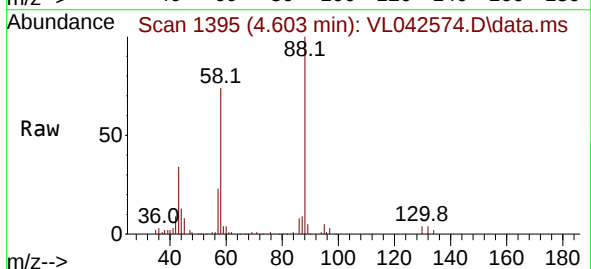
Delta R.T. 0.016 min

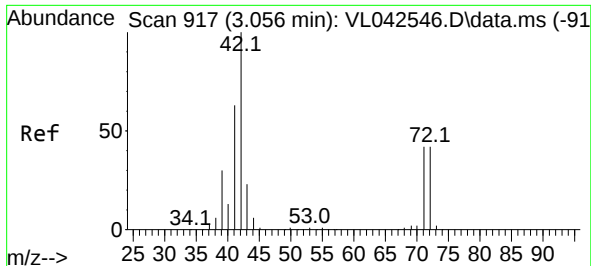
Lab File: VL042574.D

Acq: 22 May 2025 10:55

Tgt Ion: 88 Resp: 54015

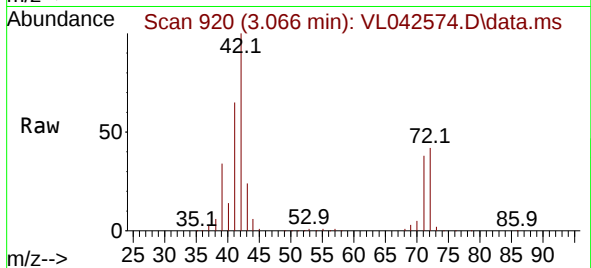
Ion	Ratio	Lower	Upper
88	100		
58	73.5	52.8	79.2
43	29.3	23.0	34.4
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 10.718 ppbv
RT: 3.066 min Scan# 917
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

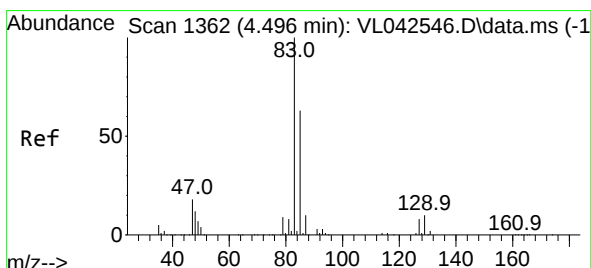
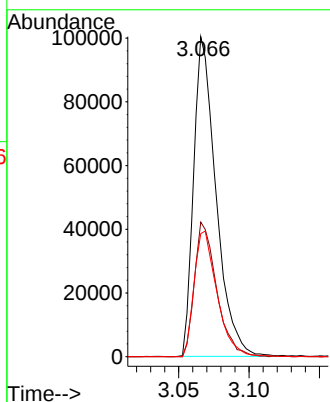
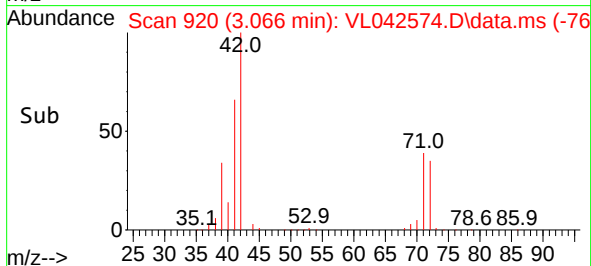
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



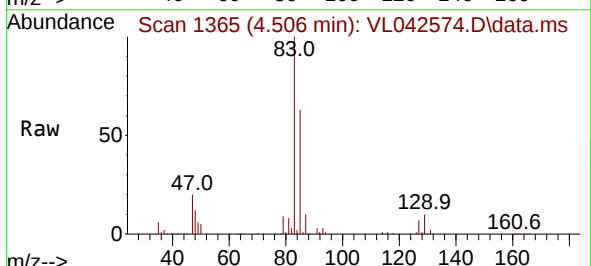
Tgt Ion: 42 Resp: 111002
Ion Ratio Lower Upper
42 100
72 41.7 34.8 52.2
71 40.2 33.6 50.4

Manual Integrations
APPROVED

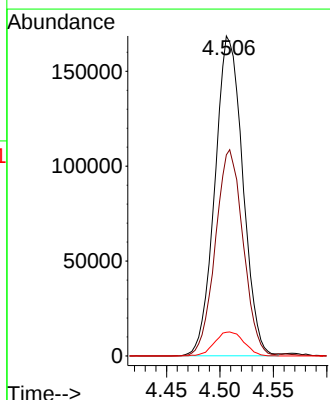
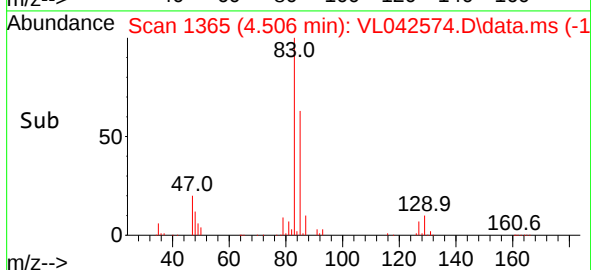
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

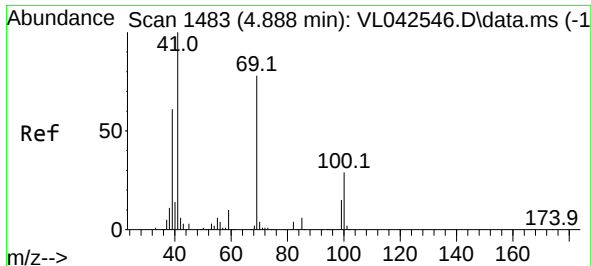


#42
Bromodichloromethane
Concen: 10.961 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55



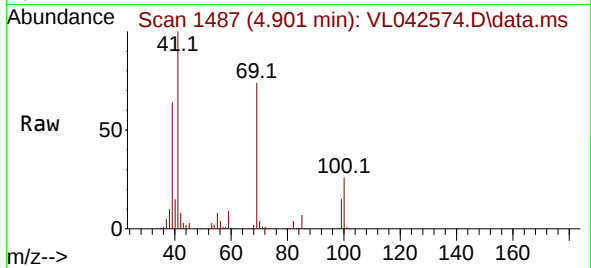
Tgt Ion: 83 Resp: 305637
Ion Ratio Lower Upper
83 100
85 62.8 50.4 75.6
127 7.4 6.5 9.7





#43
Methyl Methacrylate
Concen: 10.874 ppbv
RT: 4.901 min Scan# 1412
Delta R.T. 0.013 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

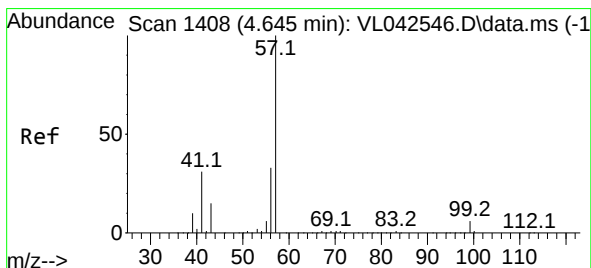
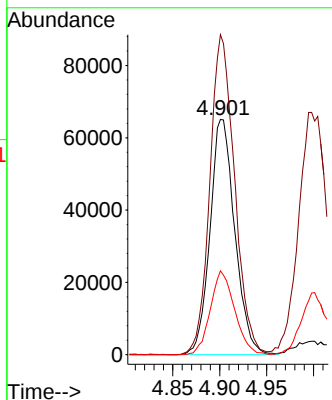
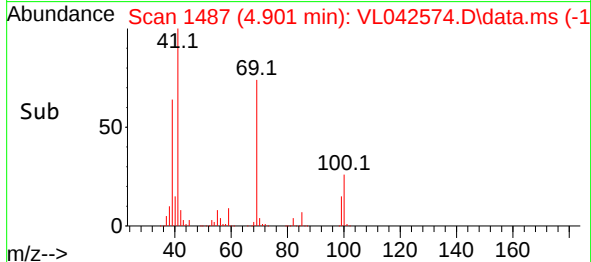
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



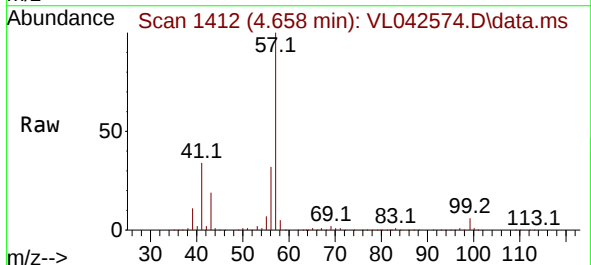
Tgt Ion: 69 Resp: 11951
Ion Ratio Lower Upper
69 100
41 135.2 107.8 161.8
100 35.0 30.3 45.5

Manual Integrations
APPROVED

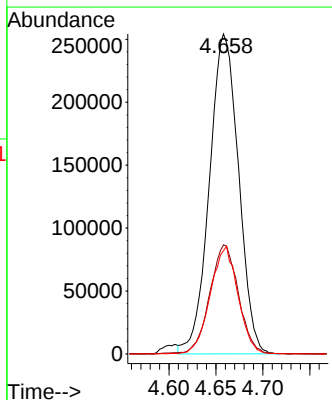
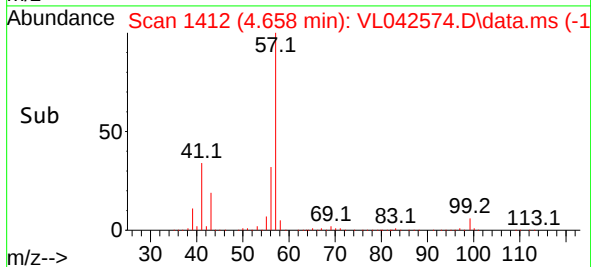
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

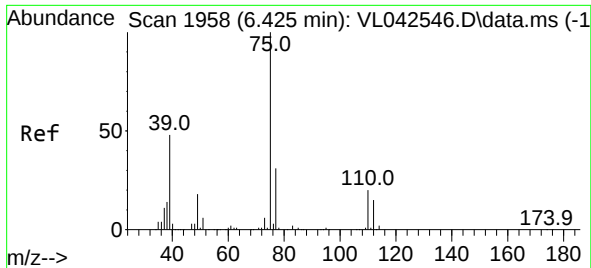


#44
2,2,4-Trimethylpentane
Concen: 11.043 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.013 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55



Tgt Ion: 57 Resp: 548509
Ion Ratio Lower Upper
57 100
41 33.9 25.0 37.4
56 32.0 25.1 37.7





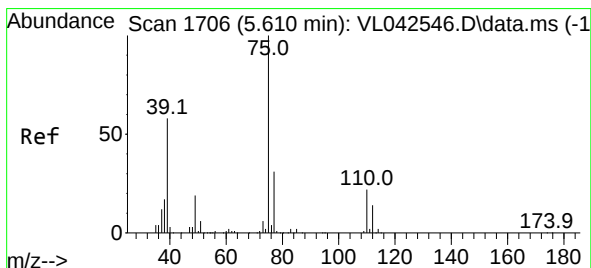
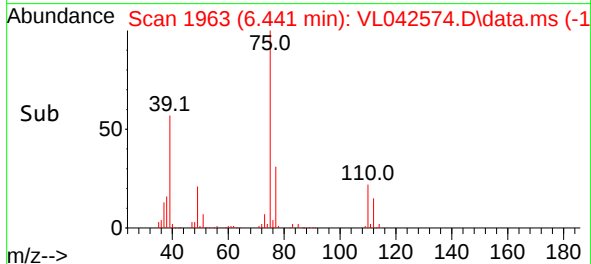
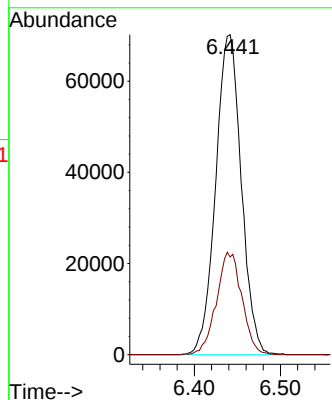
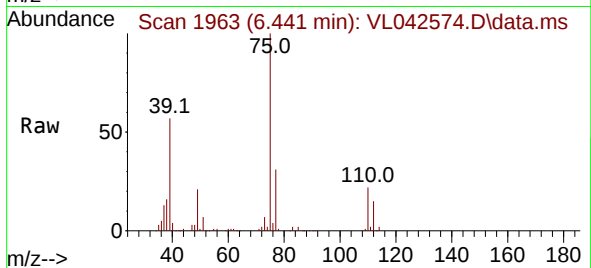
#45
t-1,3-Dichloropropene
Concen: 10.359 ppbv
RT: 6.441 min Scan# 1958
Delta R.T. 0.016 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 75 Resp: 145228
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0

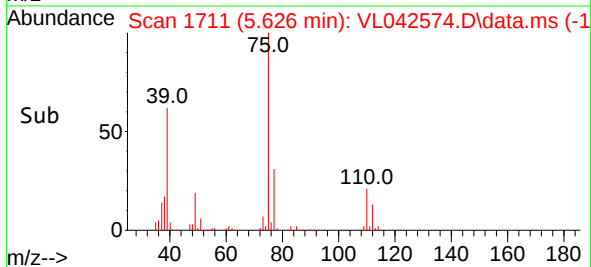
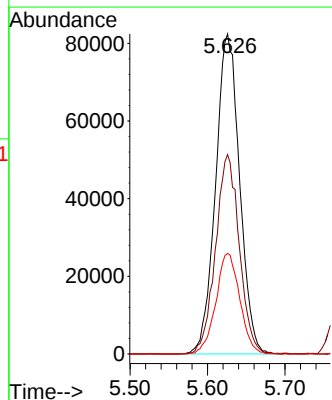
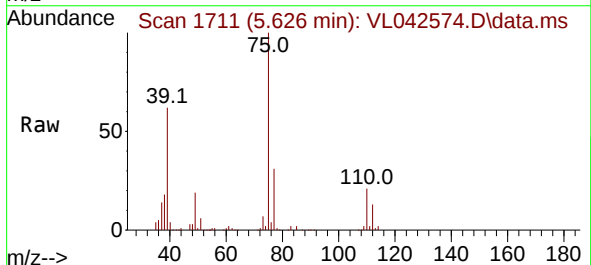
Manual Integrations
APPROVED

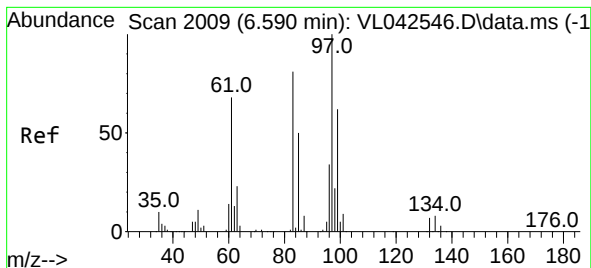
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#46
cis-1,3-Dichloropropene
Concen: 10.422 ppbv
RT: 5.626 min Scan# 1711
Delta R.T. 0.016 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 75 Resp: 177691
Ion Ratio Lower Upper
75 100
39 62.2 46.3 69.5
77 31.4 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 10.676 ppbv

RT: 6.603 min Scan# 2009

Delta R.T. 0.013 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion: 97 Resp: 14537

Ion Ratio Lower Upper

97 100

83 87.3 65.0 97.4

85 54.4 39.9 59.9

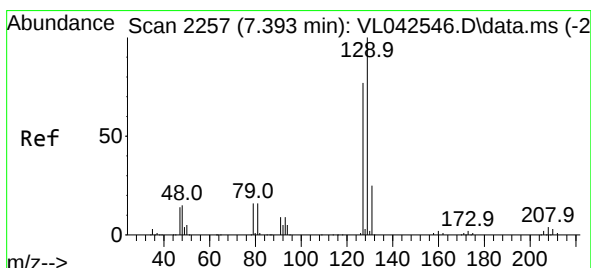
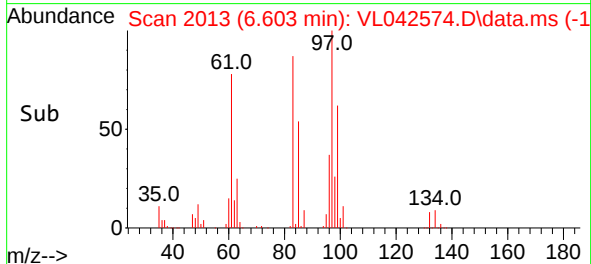
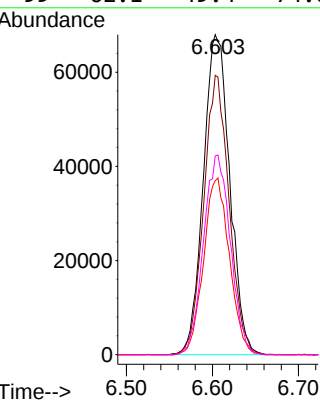
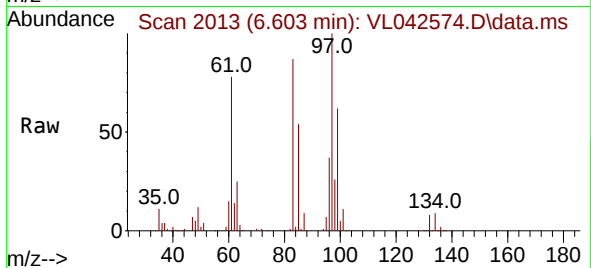
99 62.1 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#48

Dibromochloromethane

Concen: 11.003 ppbv

RT: 7.406 min Scan# 2261

Delta R.T. 0.013 min

Lab File: VL042574.D

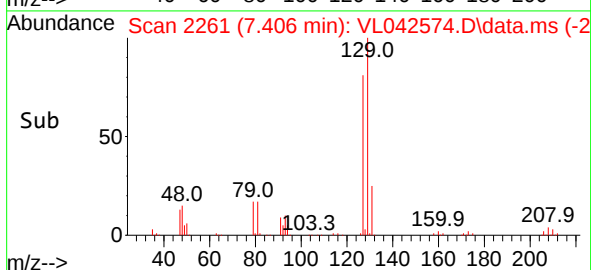
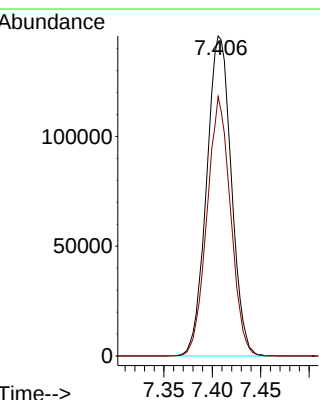
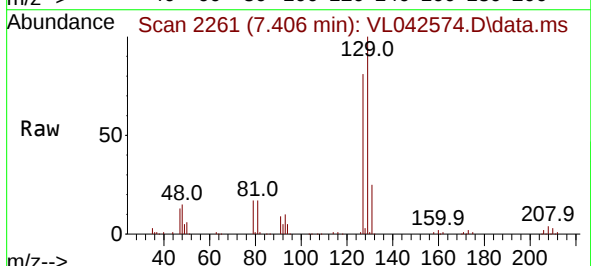
Acq: 22 May 2025 10:55

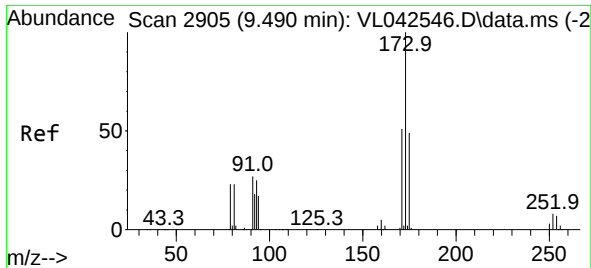
Tgt Ion:129 Resp: 259309

Ion Ratio Lower Upper

129 100

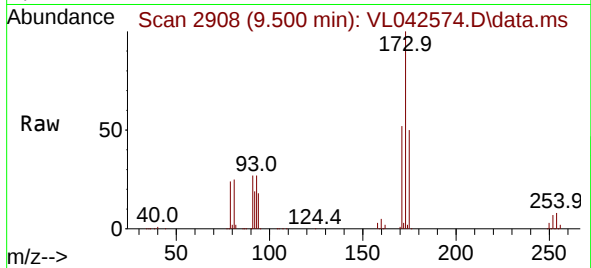
127 77.3 39.0 117.0





#49
Bromoform
Concen: 11.455 ppbv
RT: 9.500 min Scan# 2905
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

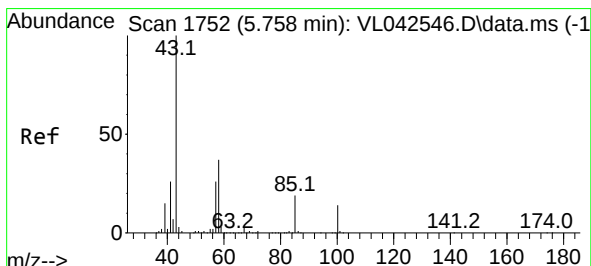
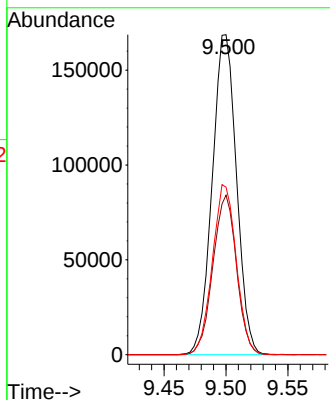
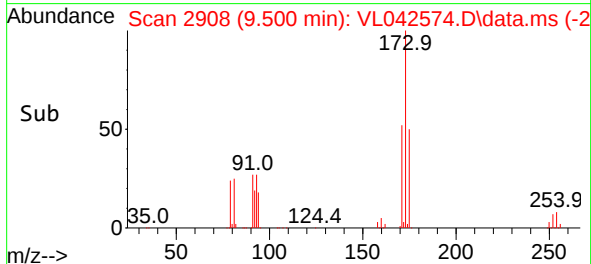
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



Tgt Ion:173 Resp: 230404
Ion Ratio Lower Upper
173 100
175 48.5 39.2 58.8
171 52.4 41.9 62.9

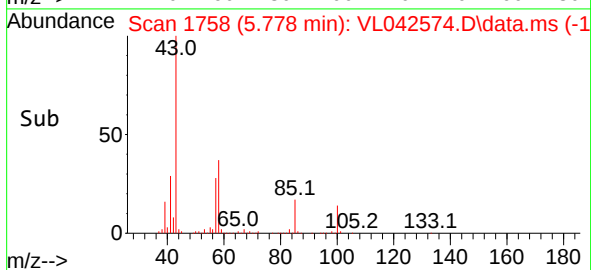
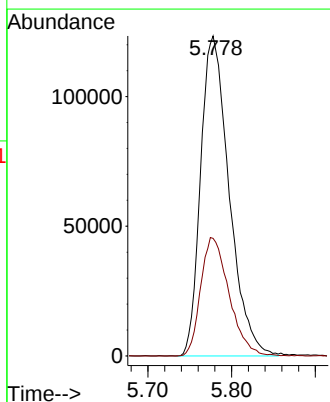
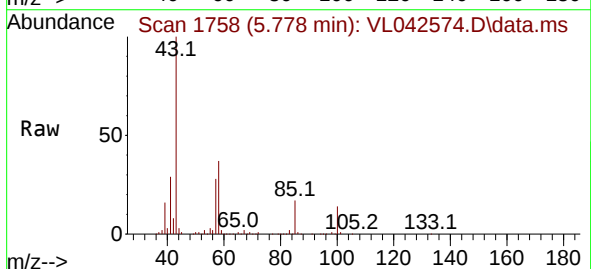
Manual Integrations
APPROVED

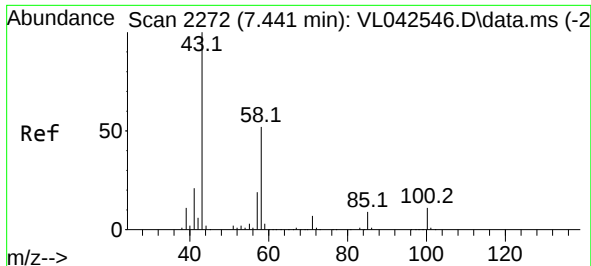
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#50
4-Methyl-2-Pentanone
Concen: 11.470 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 43 Resp: 292368
Ion Ratio Lower Upper
43 100
58 36.9 30.0 45.0





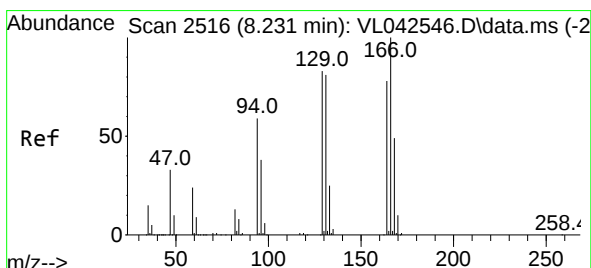
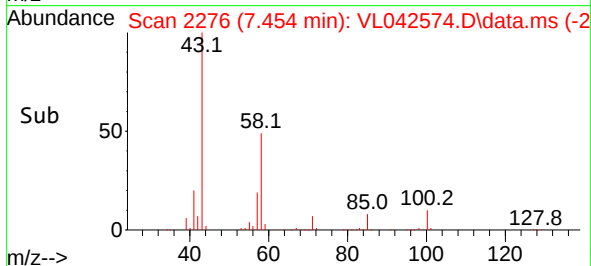
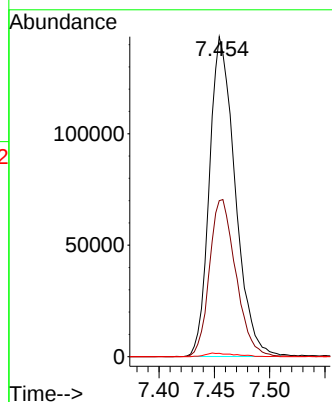
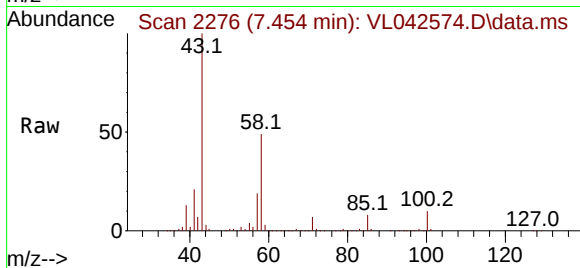
#51
2-Hexanone
Concen: 12.365 ppbv
RT: 7.454 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 43 Resp: 232450
Ion Ratio Lower Upper
43 100
58 50.4 41.4 62.2
98 1.3 0.4 0.6

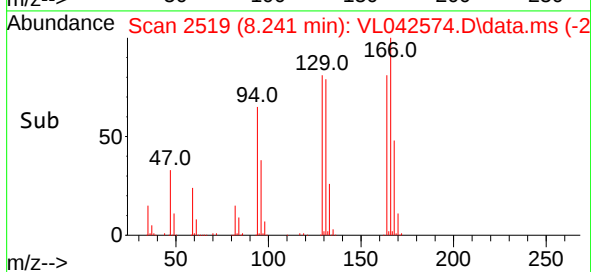
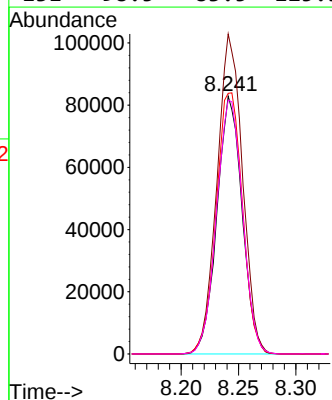
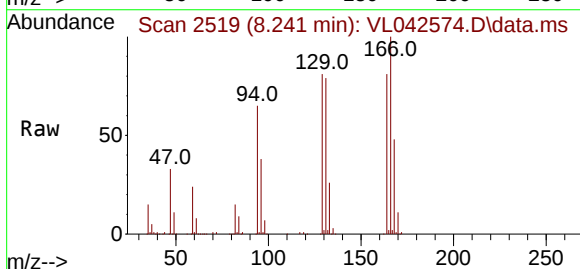
Manual Integrations
APPROVED

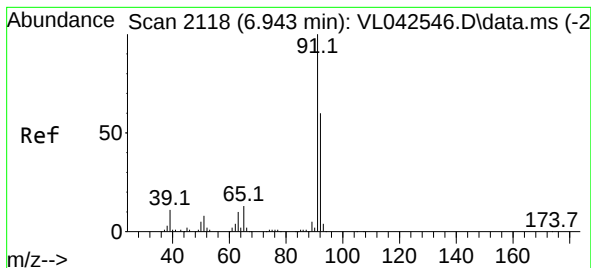
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#52
Tetrachloroethene
Concen: 9.994 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion:164 Resp: 126227
Ion Ratio Lower Upper
164 100
166 124.2 103.1 154.7
129 101.2 85.3 127.9
131 98.5 83.5 125.3





#53

Toluene

Concen: 10.855 ppbv

RT: 6.953 min Scan# 2118

Delta R.T. 0.010 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion: 91 Resp: 37577

Ion Ratio Lower Upper

91 100

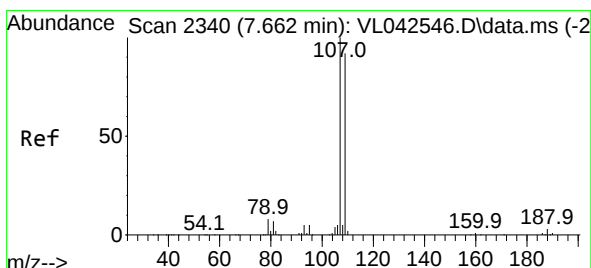
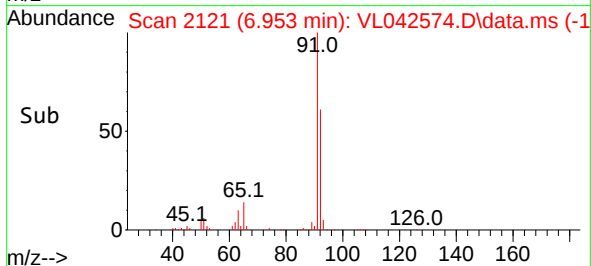
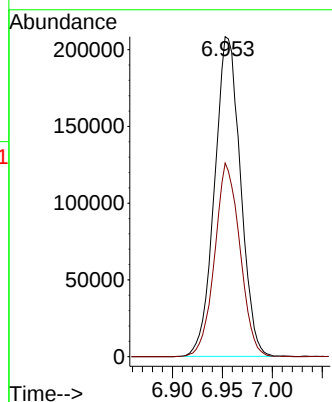
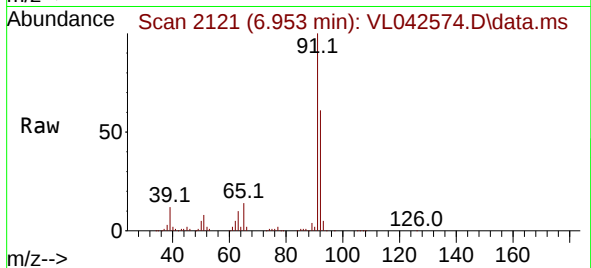
92 59.0 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#54

1,2-Dibromoethane

Concen: 11.064 ppbv

RT: 7.671 min Scan# 2343

Delta R.T. 0.010 min

Lab File: VL042574.D

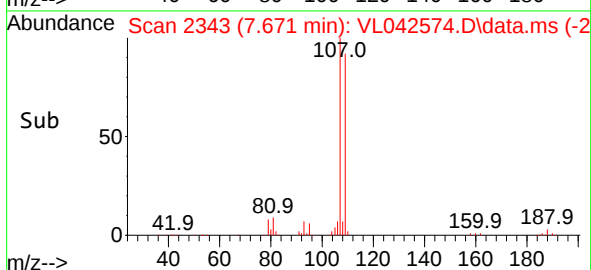
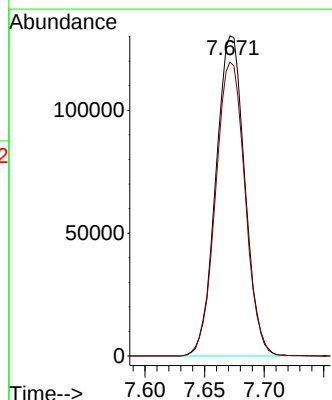
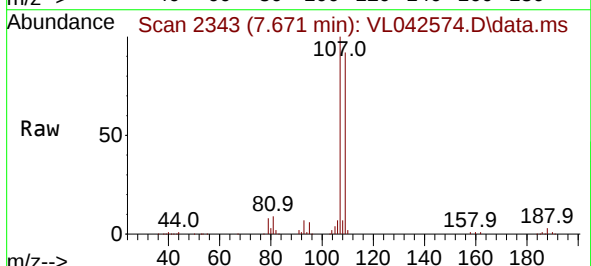
Acq: 22 May 2025 10:55

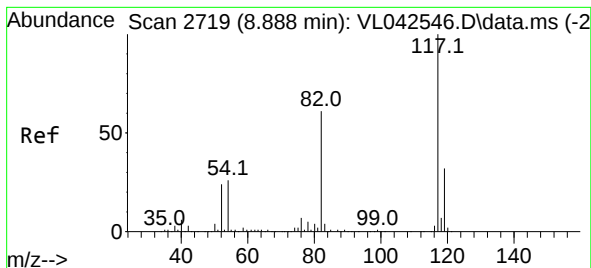
Tgt Ion:107 Resp: 219515

Ion Ratio Lower Upper

107 100

109 91.9 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

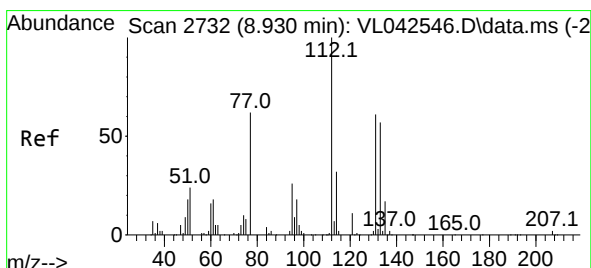
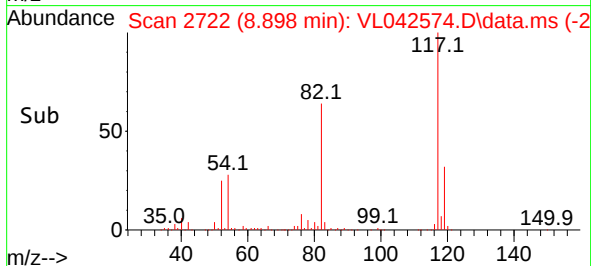
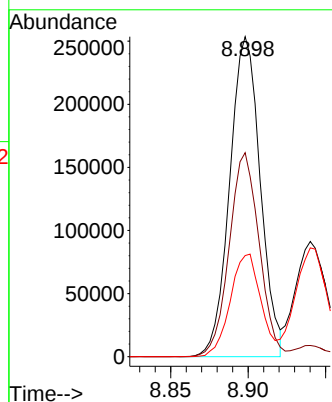
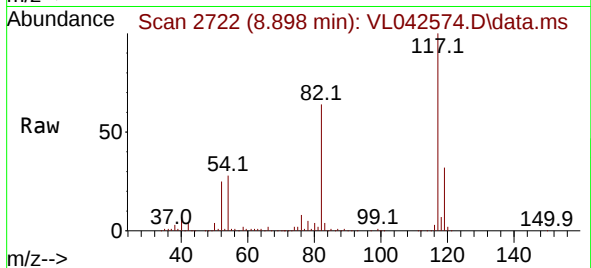
VL0522ABS01

Tgt Ion:117 Resp: 34867
 Ion Ratio Lower Upper
 117 100
 82 66.1 51.0 76.4
 119 31.9 27.0 40.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 11.288 ppbv

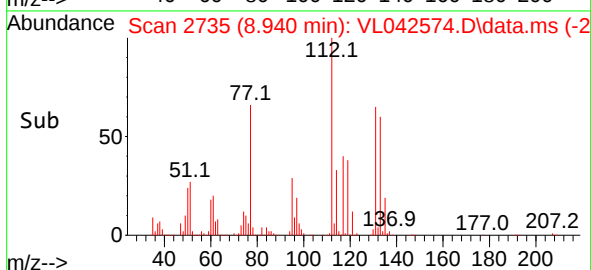
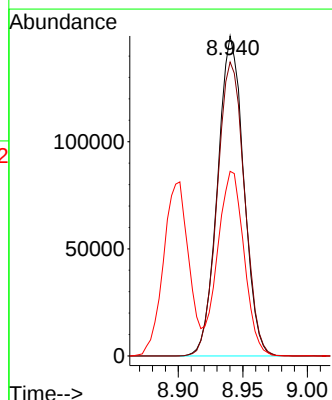
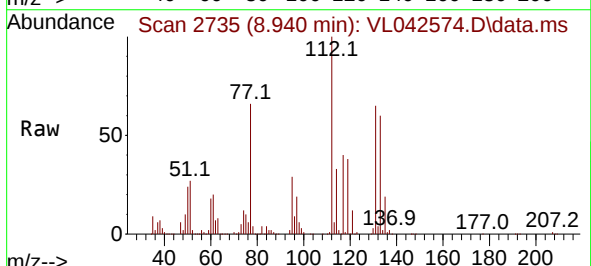
RT: 8.940 min Scan# 2735

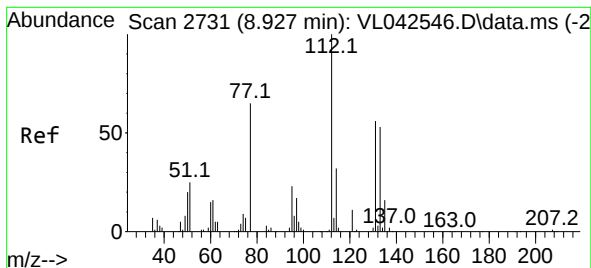
Delta R.T. 0.010 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Tgt Ion:131 Resp: 209838
 Ion Ratio Lower Upper
 131 100
 133 96.1 76.3 114.5
 119 60.1 47.5 71.3





#57

Chlorobenzene

Concen: 10.815 ppbv

RT: 8.937 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

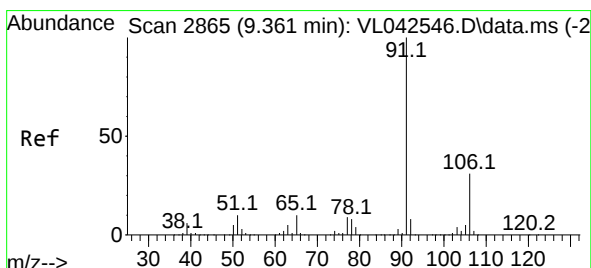
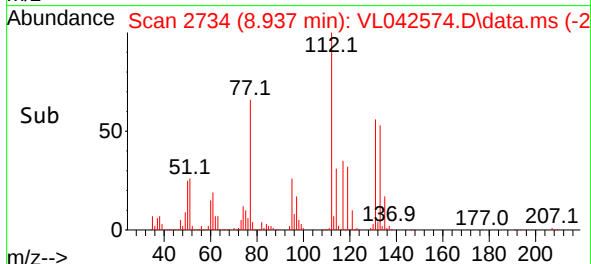
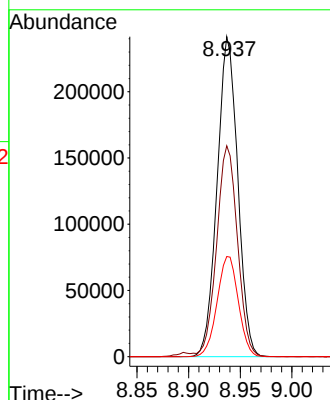
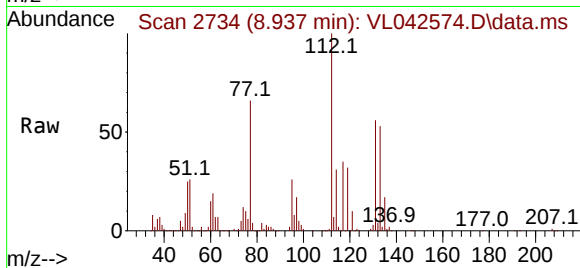
VL0522ABS01

Tgt Ion:	112	Resp:	335918
Ion Ratio	Lower	Upper	
112	100		
77	65.9	53.2	79.8
114	31.3	28.4	34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#58

Ethyl Benzene

Concen: 11.960 ppbv

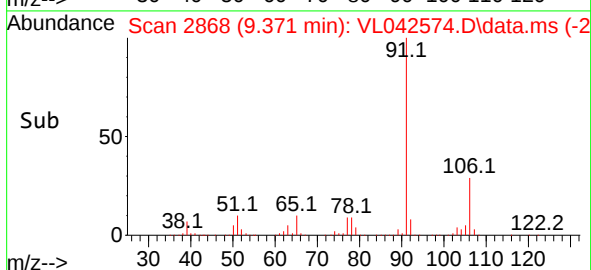
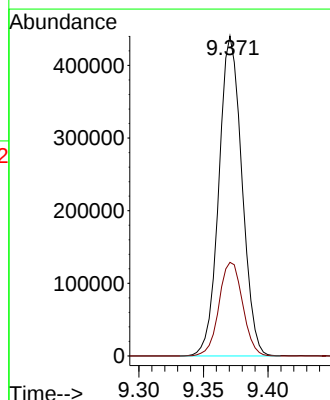
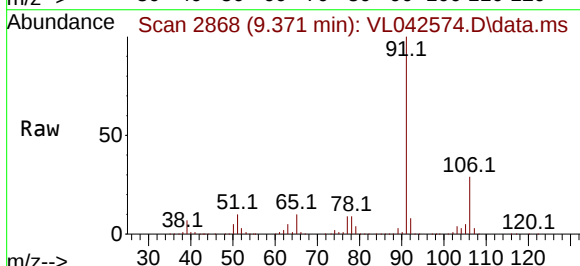
RT: 9.371 min Scan# 2868

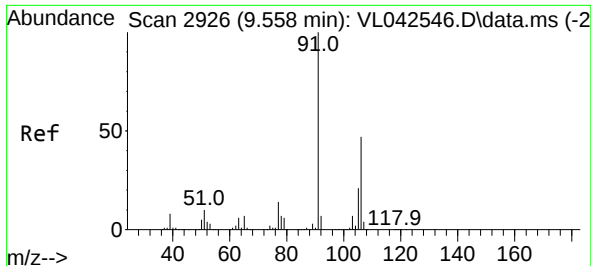
Delta R.T. 0.010 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Tgt Ion:	91	Resp:	545952
Ion Ratio	Lower	Upper	
91	100		
106	29.3	24.6	37.0





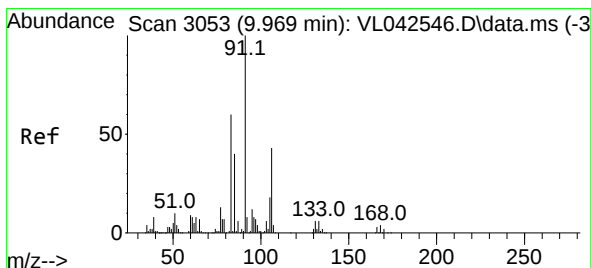
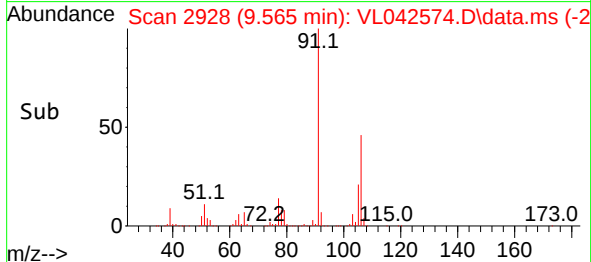
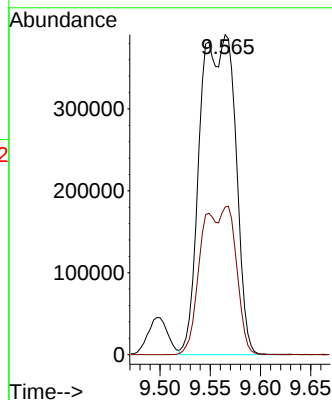
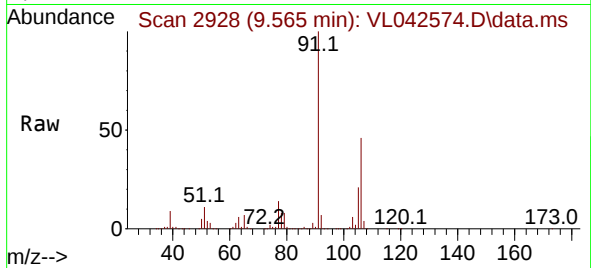
#59
m/p-Xylene
Concen: 24.599 ppbv m
RT: 9.565 min Scan# 2926
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 91 Resp: 95876
Ion Ratio Lower Upper
91 100
106 46.0 37.1 55.7

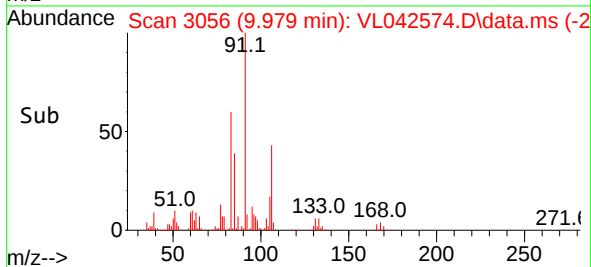
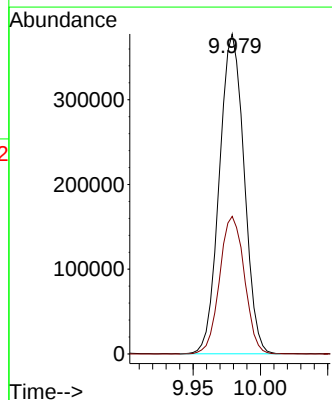
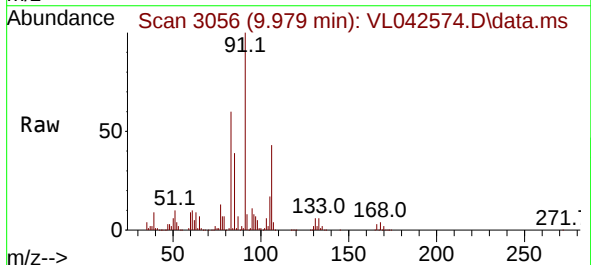
Manual Integrations
APPROVED

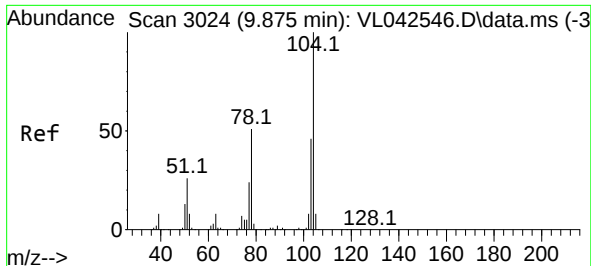
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#60
o-Xylene
Concen: 12.497 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 91 Resp: 482455
Ion Ratio Lower Upper
91 100
106 43.2 21.6 64.8





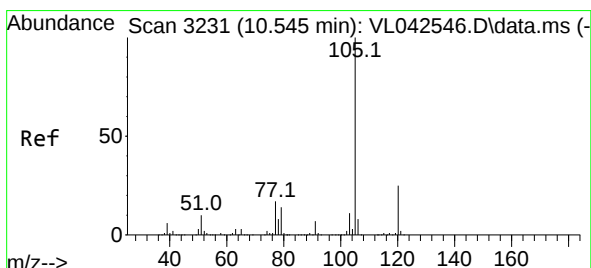
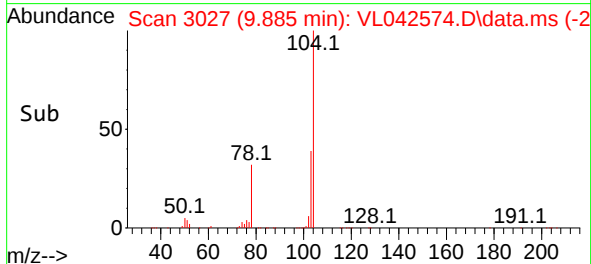
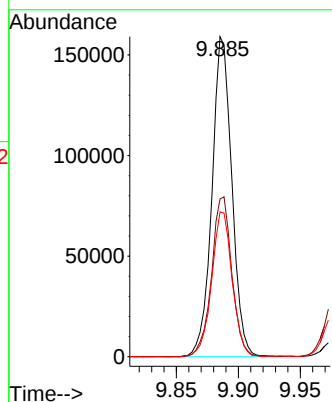
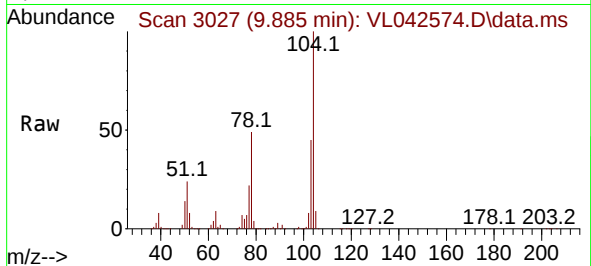
#61
Styrene
Concen: 12.041 ppbv
RT: 9.885 min Scan# 3024
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:104 Resp: 178172
Ion Ratio Lower Upper
104 100
78 51.0 39.2 58.8
103 46.9 37.1 55.7

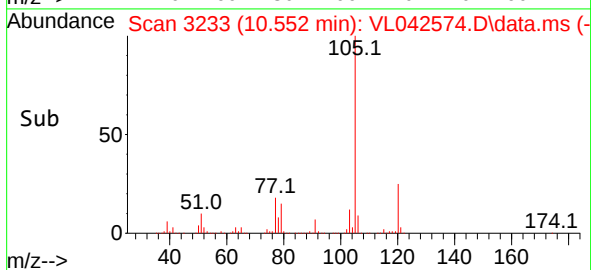
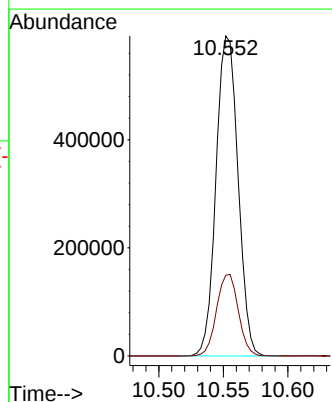
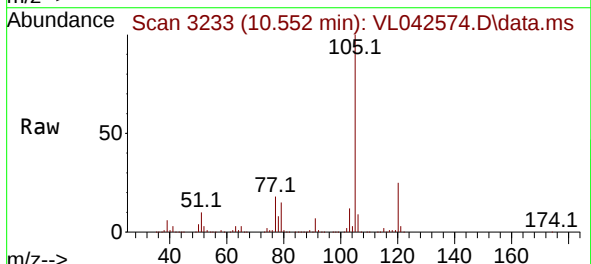
Manual Integrations
APPROVED

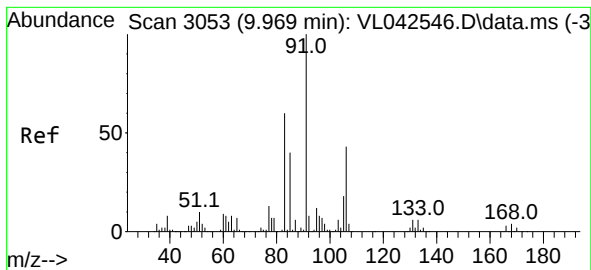
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#62
Isopropylbenzene
Concen: 11.844 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion:105 Resp: 699623
Ion Ratio Lower Upper
105 100
120 25.2 20.0 30.0





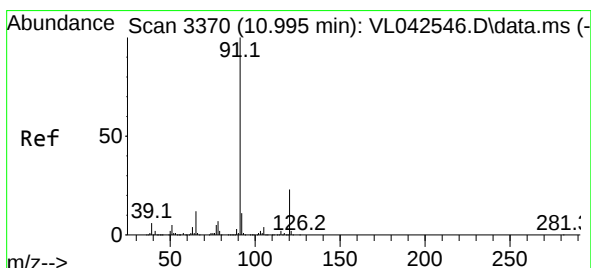
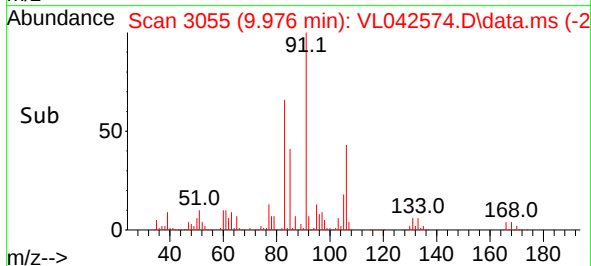
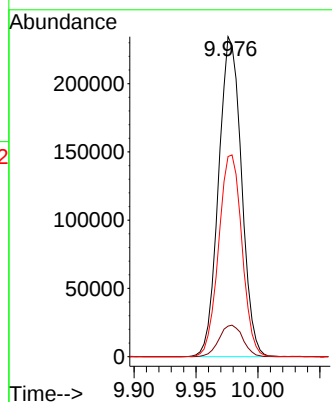
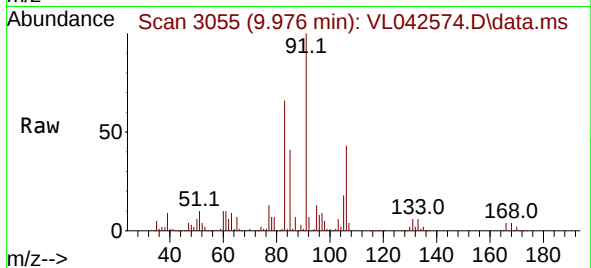
#63
1,1,2,2-Tetrachloroethane
Concen: 11.698 ppbv
RT: 9.976 min Scan# 3053
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 83 Resp: 30178
Ion Ratio Lower Upper
83 100
131 10.3 5.1 15.3
85 64.2 32.5 97.4

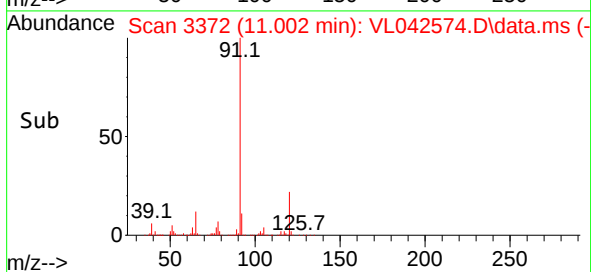
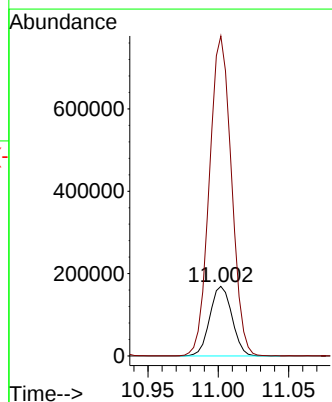
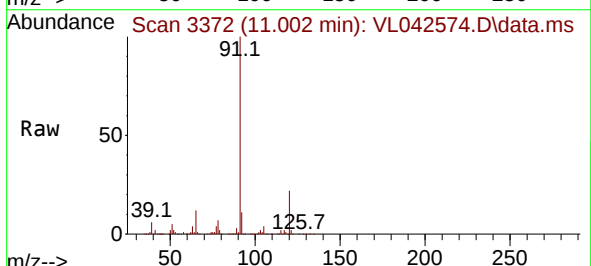
Manual Integrations
APPROVED

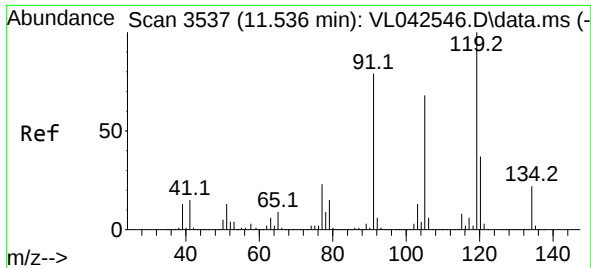
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#64
n-propylbenzene
Concen: 12.541 ppbv
RT: 11.002 min Scan# 3372
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

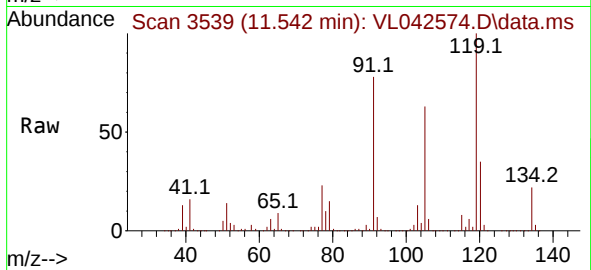
Tgt Ion:120 Resp: 184535
Ion Ratio Lower Upper
120 100
91 460.8 367.0 550.4





#65
tert-Butylbenzene
Concen: 12.426 ppbv
RT: 11.542 min Scan# 3537
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

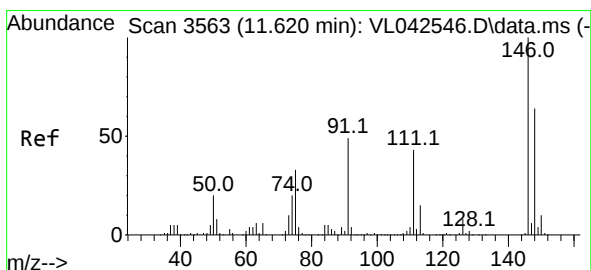
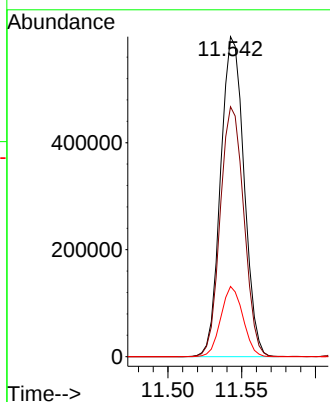
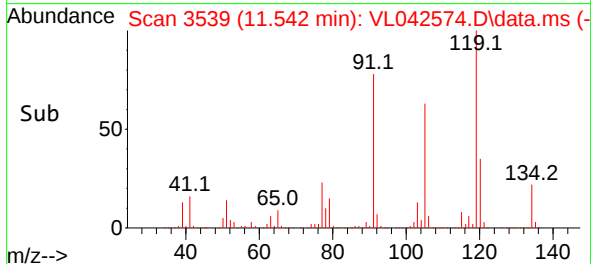
Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01



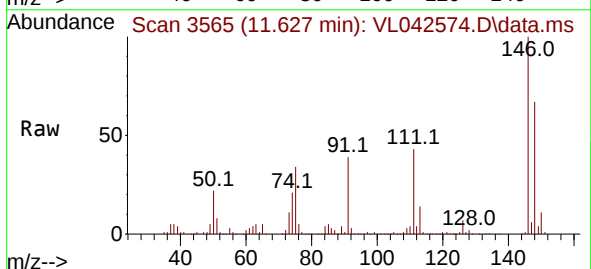
Tgt Ion:119 Resp: 66022
Ion Ratio Lower Upper
119 100
91 78.9 62.7 94.1
134 20.7 16.8 25.2

Manual Integrations
APPROVED

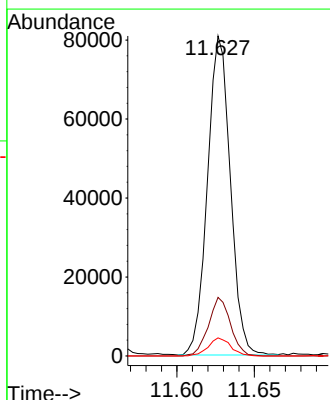
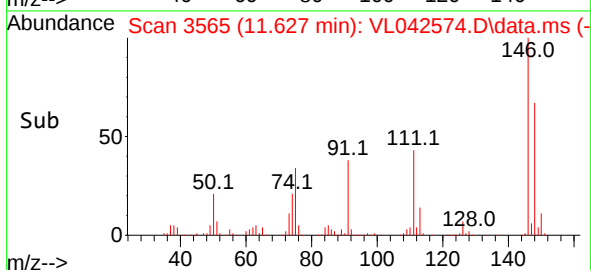
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

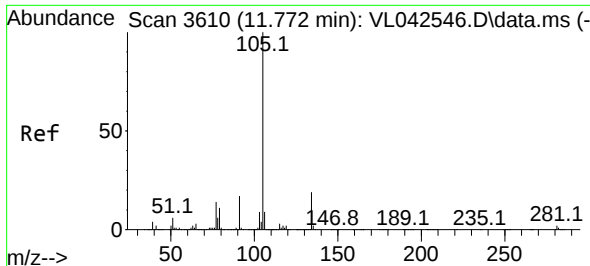


#66
Benzyl Chloride
Concen: 12.478 ppbv
RT: 11.627 min Scan# 3565
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55



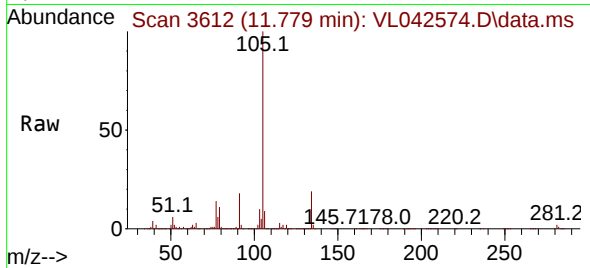
Tgt Ion: 91 Resp: 82949
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.2
128 5.6 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 12.154 ppbv
 RT: 11.779 min Scan# 3610
 Delta R.T. 0.007 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

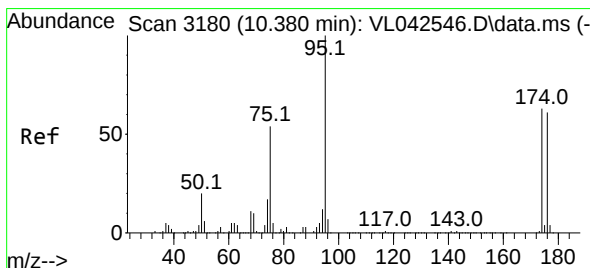
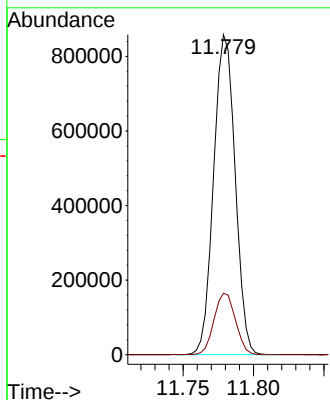
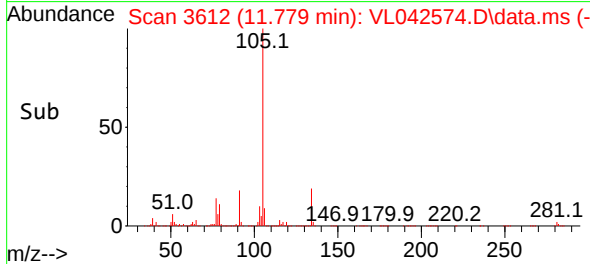
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01



Tgt Ion: 105 Resp: 911508
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.4 23.2

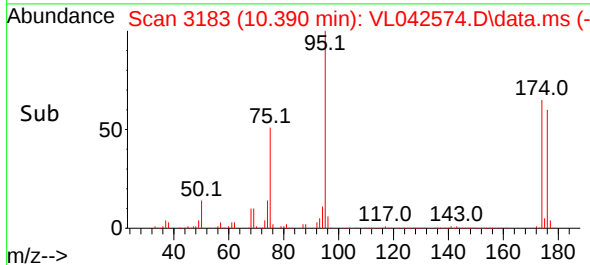
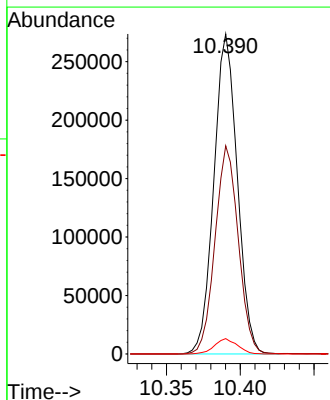
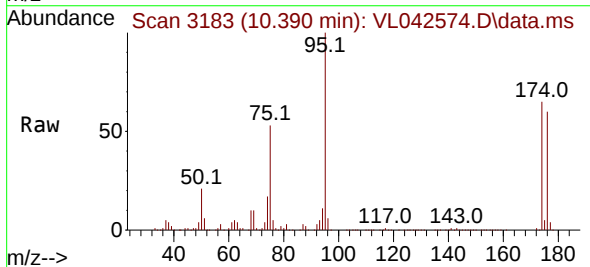
Manual Integrations
 APPROVED

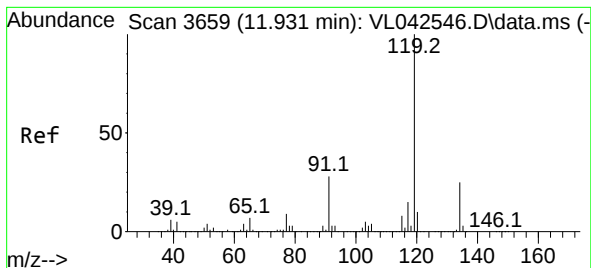
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.840 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. 0.010 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

Tgt Ion: 95 Resp: 302494
 Ion Ratio Lower Upper
 95 100
 174 64.6 52.0 78.0
 175 4.7 3.8 5.6





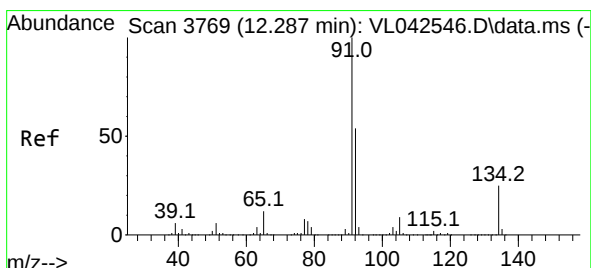
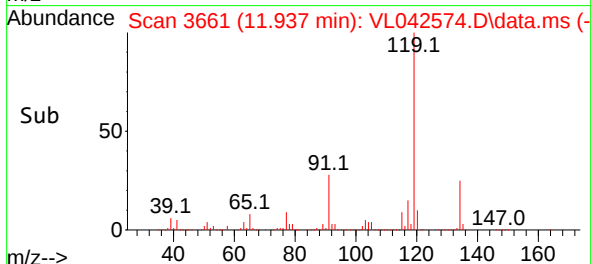
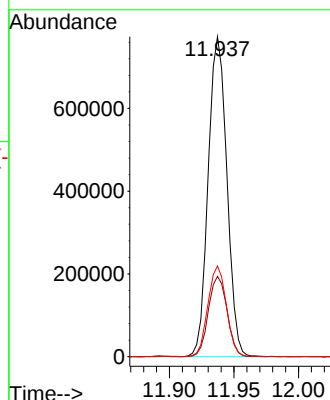
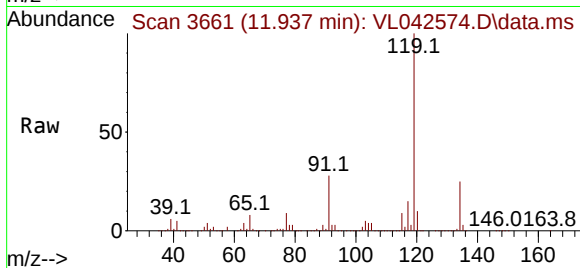
#69
p-Isopropyltoluene
Concen: 12.604 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:119 Resp: 780660
Ion Ratio Lower Upper
119 100
134 25.1 20.1 30.1
91 28.1 22.3 33.5

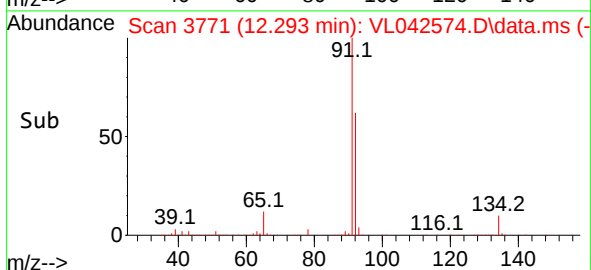
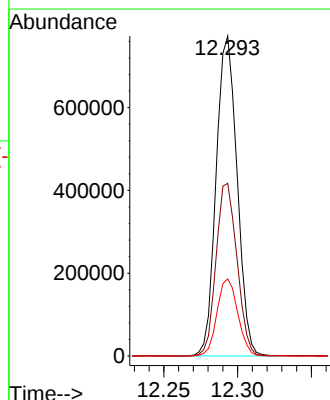
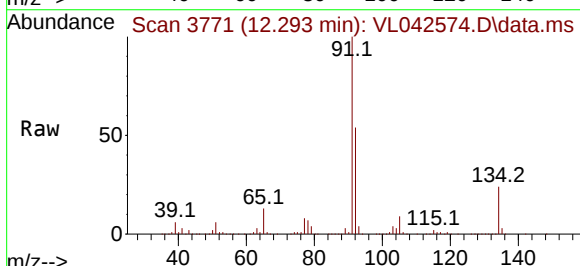
Manual Integrations
APPROVED

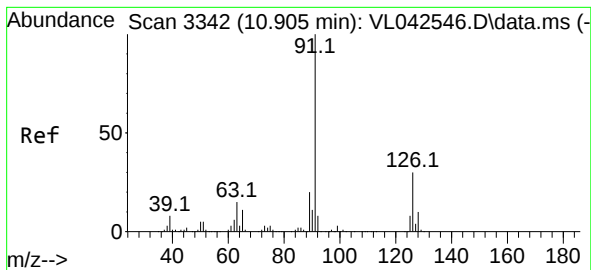
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#70
n-Butylbenzene
Concen: 13.041 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion: 91 Resp: 763142
Ion Ratio Lower Upper
91 100
92 54.0 43.8 65.6
134 23.9 19.7 29.5





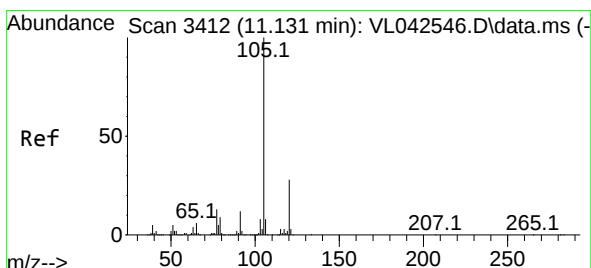
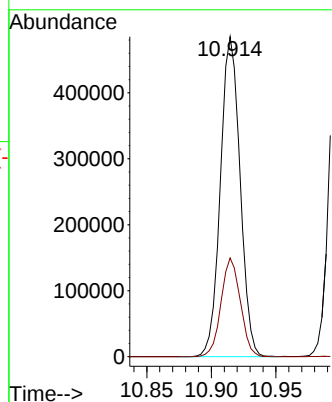
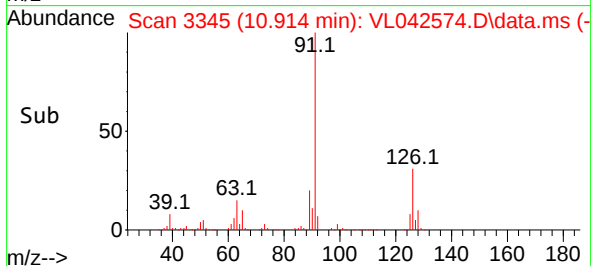
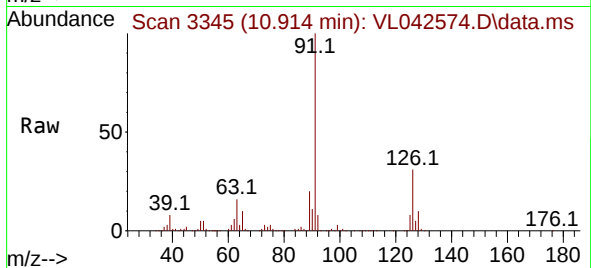
#71
2-Chlorotoluene
Concen: 12.066 ppbv
RT: 10.914 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 91 Resp: 51293
Ion Ratio Lower Upper
91 100
126 30.2 12.4 49.4

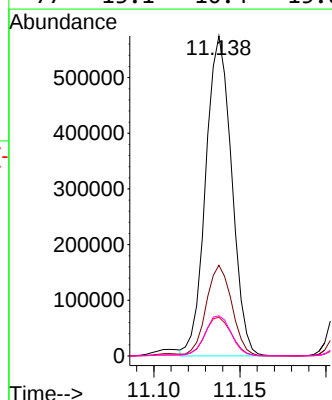
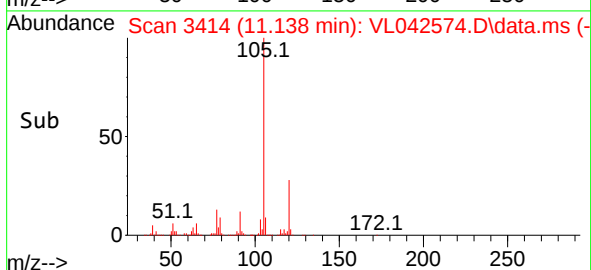
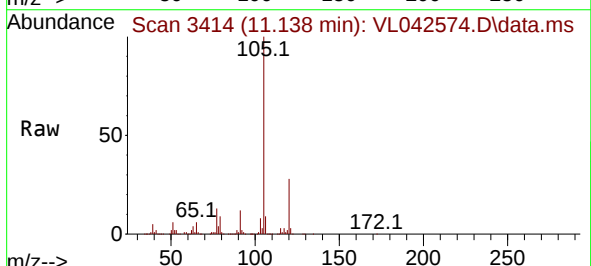
Manual Integrations
APPROVED

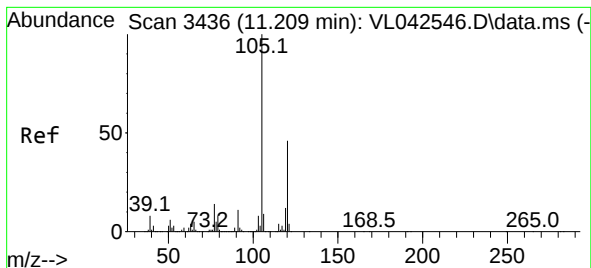
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#72
4-Ethyltoluene
Concen: 12.644 ppbv
RT: 11.138 min Scan# 3414
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

Tgt Ion:105 Resp: 602854
Ion Ratio Lower Upper
105 100
120 28.8 23.4 35.0
91 12.9 10.2 15.4
77 13.1 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 12.280 ppbv

RT: 11.215 min Scan# 3436

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion:105 Resp: 506464

Ion Ratio Lower Upper

105 100

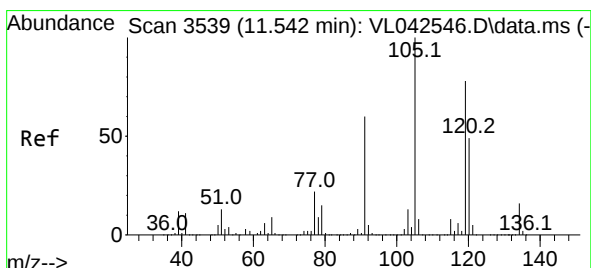
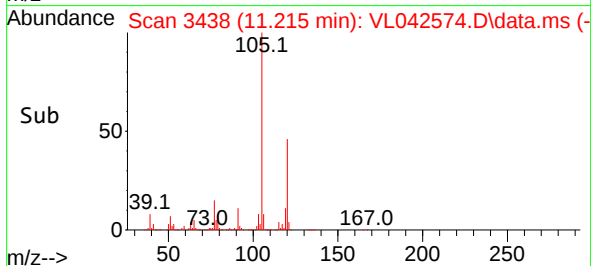
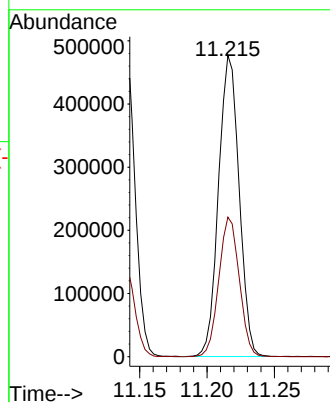
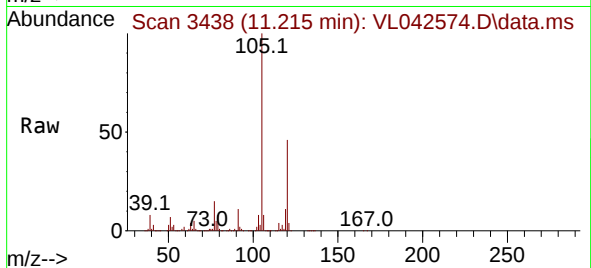
120 46.3 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.931 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Tgt Ion:105 Resp: 593362

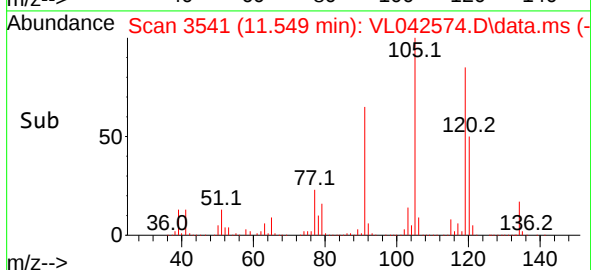
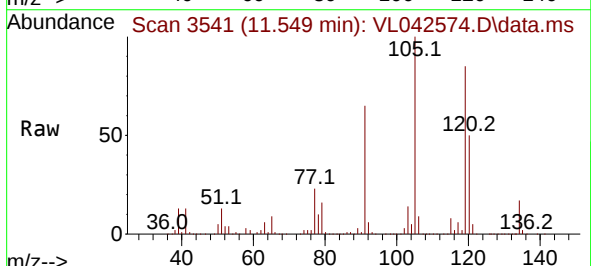
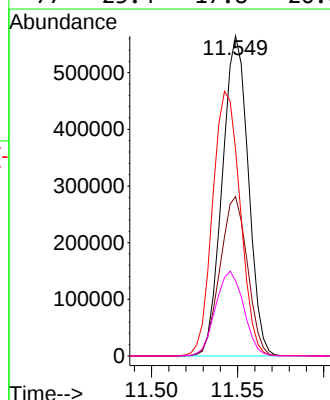
Ion Ratio Lower Upper

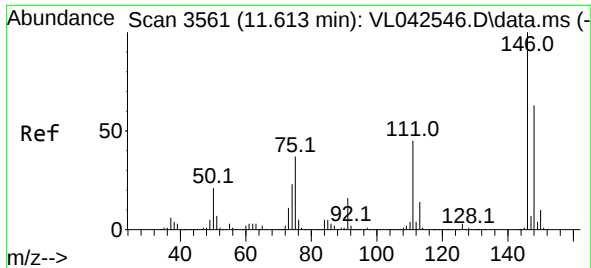
105 100

120 49.8 39.4 59.0

91 64.6 47.8 71.8

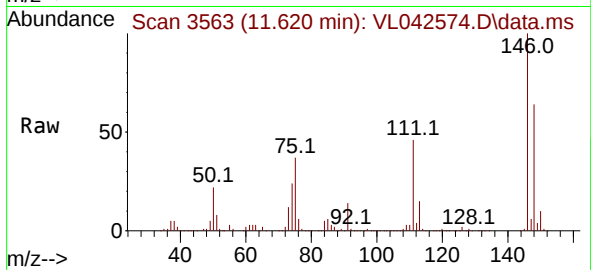
77 23.4 17.8 26.6





#75
1,3-Dichlorobenzene
Concen: 11.736 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55

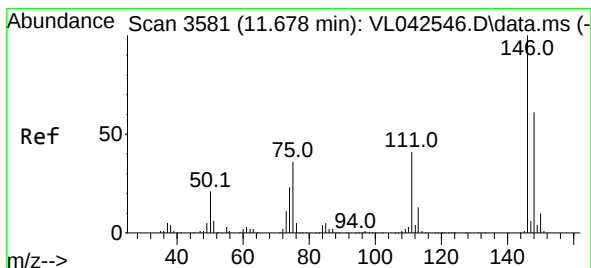
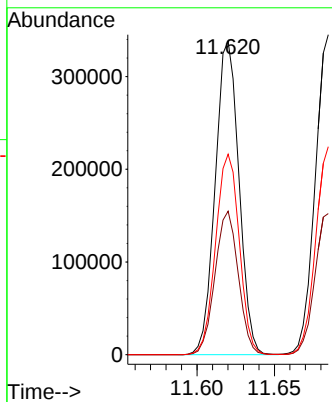
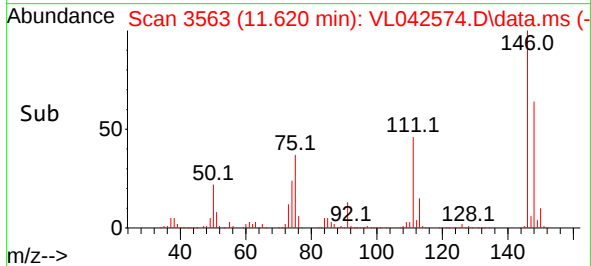
Instrument :
MSVOA_1
ClientSampleId :
VL0522ABS01



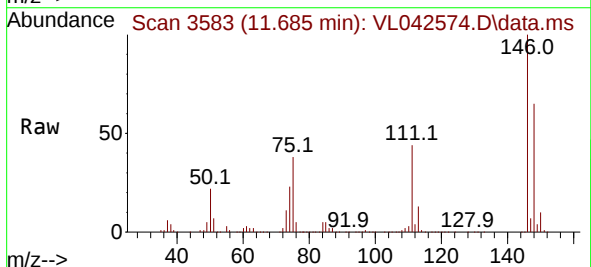
Tgt Ion:146 Resp: 360249
Ion Ratio Lower Upper
146 100
111 45.1 22.8 68.4
148 63.8 31.6 94.8

Manual Integrations
APPROVED

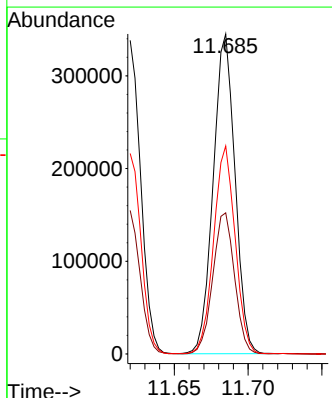
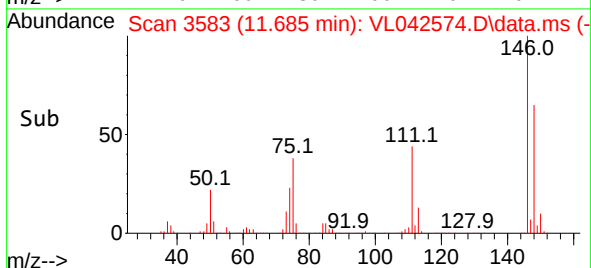
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

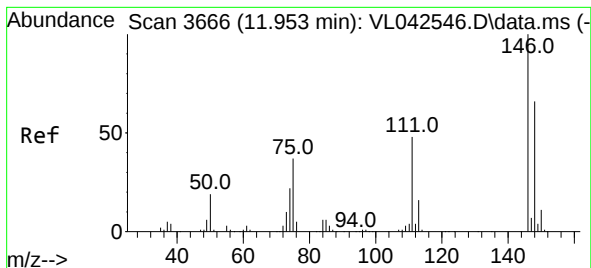


#76
1,4-Dichlorobenzene
Concen: 11.909 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.007 min
Lab File: VL042574.D
Acq: 22 May 2025 10:55



Tgt Ion:146 Resp: 354988
Ion Ratio Lower Upper
146 100
111 44.2 21.8 65.3
148 64.4 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 11.647 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

Tgt Ion:146 Resp: 352248

Ion Ratio Lower Upper

146 100

111 47.2 23.7 71.1

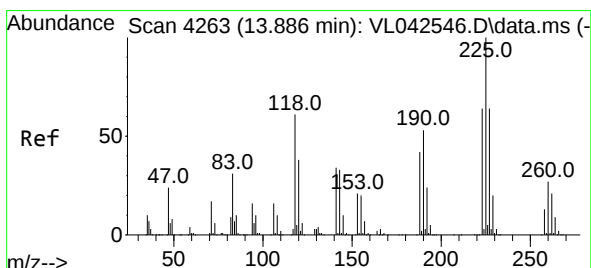
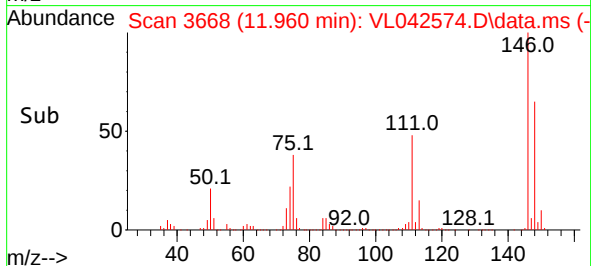
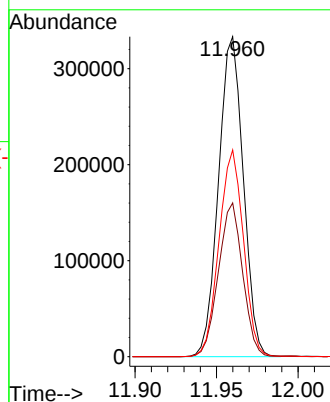
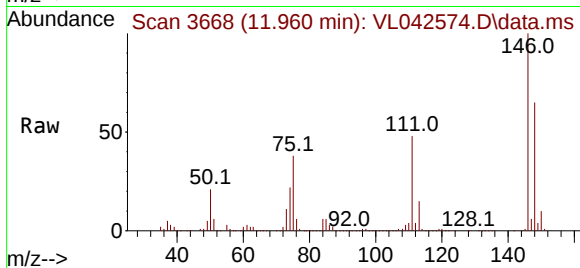
148 63.9 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#78

Hexachloro-1,3-Butadiene

Concen: 10.436 ppbv

RT: 13.892 min Scan# 4265

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

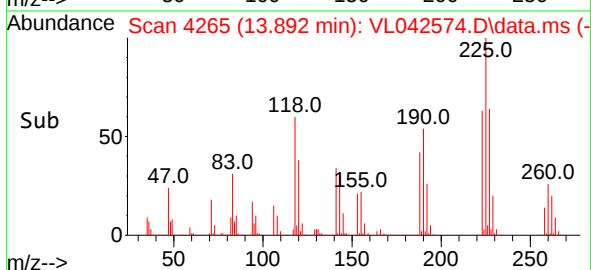
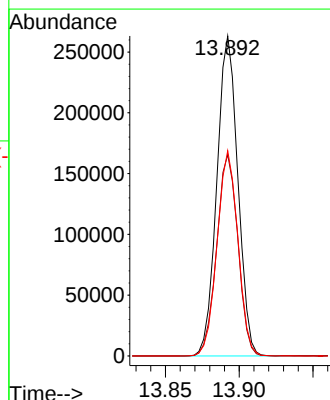
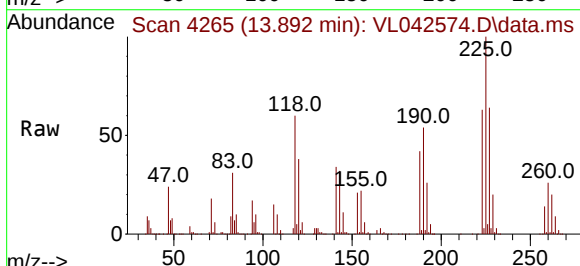
Tgt Ion:225 Resp: 260697

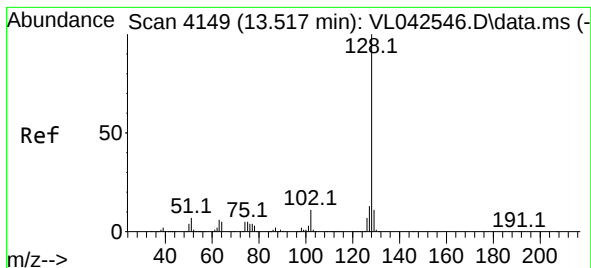
Ion Ratio Lower Upper

225 100

223 63.4 51.0 76.6

227 63.6 50.2 75.4





#79

Naphthalene

Concen: 13.890 ppbv

RT: 13.523 min Scan# 4149

Delta R.T. 0.007 min

Lab File: VL042574.D

Acq: 22 May 2025 10:55

Instrument :

MSVOA_L

ClientSampleId :

VL0522ABS01

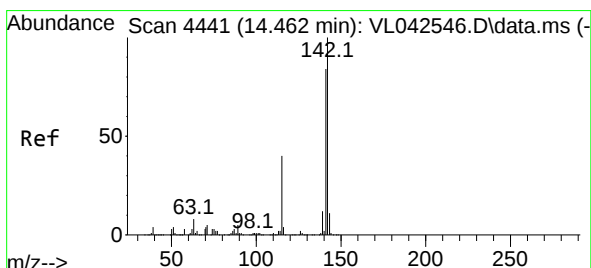
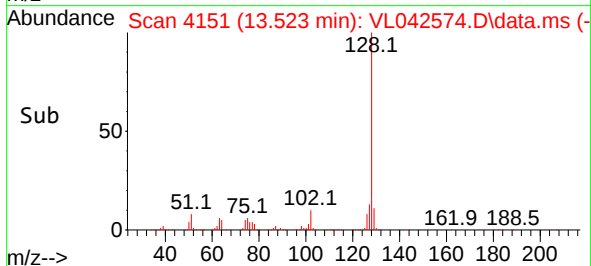
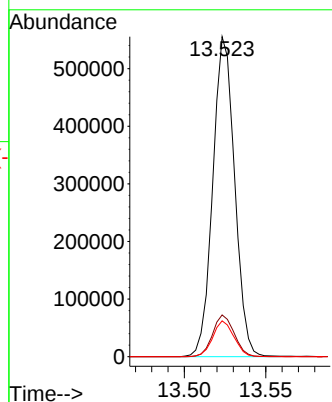
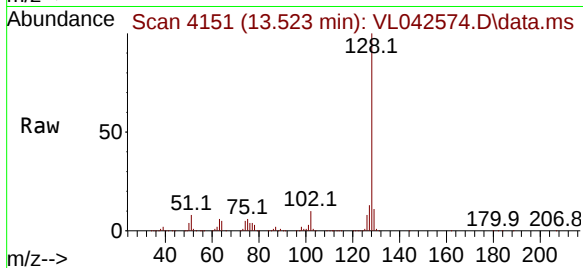
Tgt Ion:128 Resp: 517630

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#80

Naphthalene,2-methyl-

Concen: 14.481 ppbv

RT: 14.468 min Scan# 4443

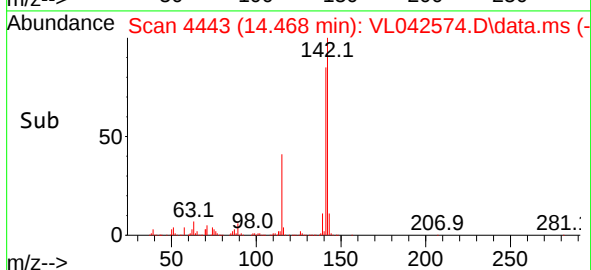
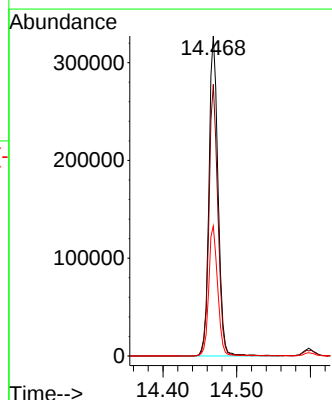
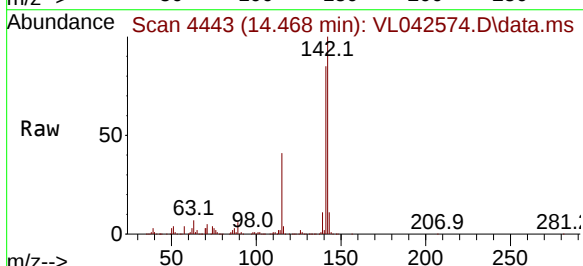
Delta R.T. 0.007 min

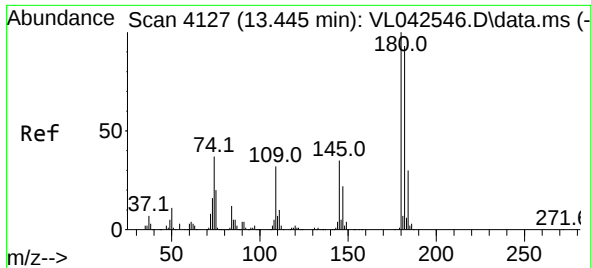
Lab File: VL042574.D

Acq: 22 May 2025 10:55

Tgt Ion:142 Resp: 278060

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.4	101.0
115	40.1	31.5	47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 12.459 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL042574.D
 Acq: 22 May 2025 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0522ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.6	113.4
184	30.4	23.7	35.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

