

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052225\
 Data File : VL042572.D
 Acq On : 22 May 2025 09:22
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: May 23 01:30:12 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	130815	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	409921	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	353154	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.386 95 304559 10.775 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	240819	9.844	ppbv	99
3) Chlorodifluoromethane	1.479	51	200758	9.960	ppbv	100
4) Chloromethane	1.534	50	76798	9.744	ppbv	99
5) Vinyl Chloride	1.583	62	83030	9.556	ppbv	98
6) Bromomethane	1.670	94	49255	9.853	ppbv	99
7) Chloroethane	1.709	64	33948	9.717	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	204184	9.853	ppbv	100
9) Propene	1.486	41	67953	9.701	ppbv	99
10) Heptane	4.997	43	195958	10.617	ppbv	98
11) Trichlorofluoromethane	1.881	101	238935	9.355	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	192612	9.354	ppbv	99
13) Ethanol	1.725	45	7612	7.496	ppbv	98
14) Bromoethene	1.787	108	74047	9.519	ppbv	99
15) Acetone	1.839	43	145949	8.006	ppbv	100
16) 1,3-Butadiene	1.612	39	71325	9.637	ppbv	97
17) tert-Butyl alcohol	2.046	59	192909	9.157	ppbv	100
18) 1,1-Dichloroethene	2.039	96	85383	9.176	ppbv	97
19) Isopropyl Alcohol	1.890	45	96315	9.291	ppbv #	35
20) Methylene Chloride	2.065	84	72315	8.193	ppbv	99
21) Allyl Chloride	2.101	41	110556	9.468	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	97386	9.433	ppbv	99
23) Vinyl Acetate	2.470	43	207532	10.005	ppbv	98
24) 1,1-Dichloroethane	2.415	63	167059	9.436	ppbv	99
25) Ethyl Acetate	2.845	43	363385	10.312	ppbv	100
26) Hexane	2.832	57	165261	10.373	ppbv	98
27) Carbon Disulfide	2.156	76	223122	9.668	ppbv	95
28) Methyl tert-Butyl Ether	2.447	73	95244	8.871	ppbv	100
29) Chloroform	2.858	83	298043	9.892	ppbv	100
30) Cyclohexane	3.868	84	141186	10.243	ppbv	96
31) cis-1,2-Dichloroethene	2.729	61	166669	9.514	ppbv	99
32) 1,1,1-Trichloroethane	3.379	97	307375	9.982	ppbv	100
34) 2-Butanone	2.567	43	227354	10.448	ppbv	98
35) Carbon Tetrachloride	3.774	117	331829	10.587	ppbv	99
36) Benzene	3.667	78	347784	10.484	ppbv	97
37) 1,2-Dichloroethane	3.227	62	215560	10.635	ppbv	99
38) Trichloroethene	4.564	130	154995	10.237	ppbv	92
39) 1,2-Dichloropropane	4.327	63	122318	10.505	ppbv	95
40) 1,4-Dioxane	4.599	88	56378	10.825	ppbv #	98
41) Tetrahydrofuran	3.065	42	118247	11.147	ppbv	98
42) Bromodichloromethane	4.506	83	312597	10.945	ppbv	98
43) Methyl Methacrylate	4.897	69	123579	10.978	ppbv	96
44) 2,2,4-Trimethylpentane	4.654	57	570937	11.221	ppbv	98
45) t-1,3-Dichloropropene	6.438	75	149232	10.392	ppbv	100

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Quant Time: May 23 01:30:12 2025

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

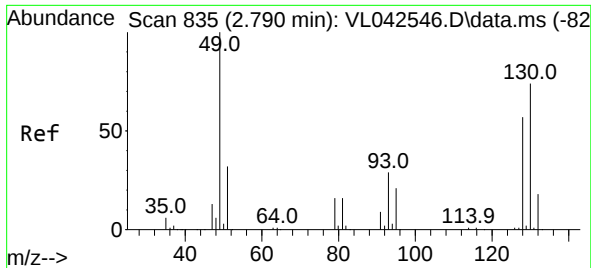
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

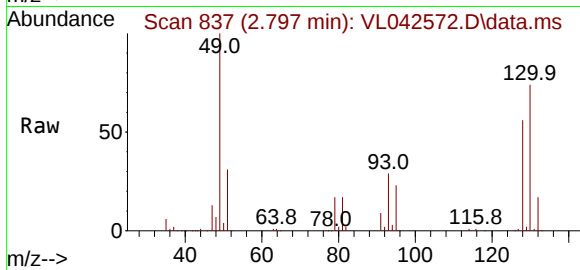
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	187277	10.724	ppbv	99
47) 1,1,2-Trichloroethane	6.603	97	149149	10.693	ppbv	98
48) Dibromochloromethane	7.402	129	264516	10.958	ppbv	99
49) Bromoform	9.496	173	232179	11.270	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	302440	11.584	ppbv	99
51) 2-Hexanone	7.451	43	240290	12.479	ppbv #	96
52) Tetrachloroethene	8.241	164	131700	10.180	ppbv	98
53) Toluene	6.949	91	394109	11.114	ppbv	100
54) 1,2-Dibromoethane	7.668	107	223426	10.994	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.940	131	212865	11.306	ppbv	98
57) Chlorobenzene	8.936	112	342827	10.898	ppbv	97
58) Ethyl Benzene	9.367	91	558983	12.091	ppbv	97
59) m/p-Xylene	9.564	91	977965m	24.773	ppbv	
60) o-Xylene	9.975	91	490476	12.543	ppbv	100
61) Styrene	9.885	104	184953	12.341	ppbv	99
62) Isopropylbenzene	10.552	105	720910	12.050	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.975	83	304439	11.651	ppbv	99
64) n-propylbenzene	10.998	120	190040	12.752	ppbv	99
65) tert-Butylbenzene	11.542	119	667139	12.397	ppbv	99
66) Benzyl Chloride	11.623	91	78100	11.600	ppbv	99
67) sec-Butylbenzene	11.778	105	915476	12.052	ppbv	100
69) p-Isopropyltoluene	11.934	119	790991	12.609	ppbv	99
70) n-Butylbenzene	12.290	91	778652	13.137	ppbv	99
71) 2-Chlorotoluene	10.911	91	529456	12.296	ppbv	100
72) 4-Ethyltoluene	11.134	105	614648	12.728	ppbv	99
73) 1,3,5-Trimethylbenzene	11.215	105	513077	12.282	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	595329	11.818	ppbv #	89
75) 1,3-Dichlorobenzene	11.616	146	361329	11.622	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	354489	11.741	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	352518	11.508	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	269838	10.665	ppbv	100
79) Naphthalene	13.523	128	535237	14.180	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	275160	14.149	ppbv	99
81) 1,2,4-Trichlorobenzene	13.448	180	287287	12.671	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 835
Delta R.T. 0.007 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

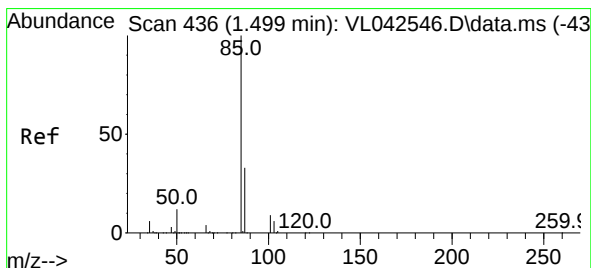
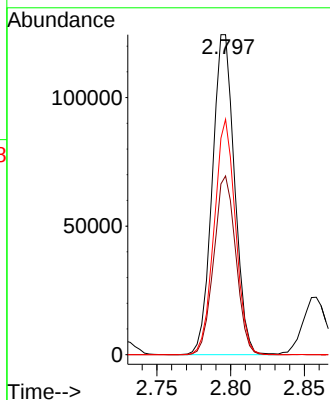
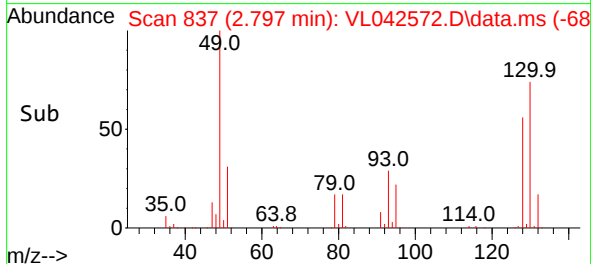
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



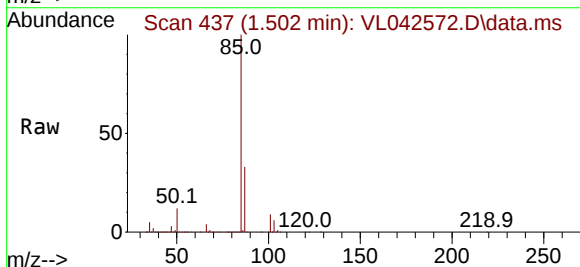
Tgt Ion: 49 Resp: 130819
Ion Ratio Lower Upper
49 100
128 55.3 28.6 85.8
130 70.4 36.6 109.8

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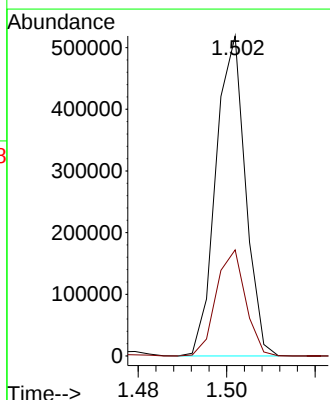
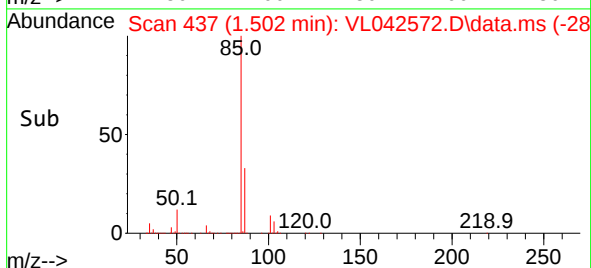
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

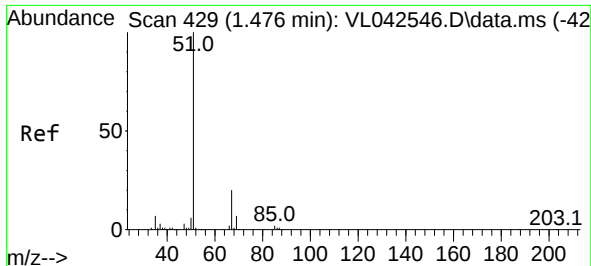


#2
Dichlorodifluoromethane
Concen: 9.844 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



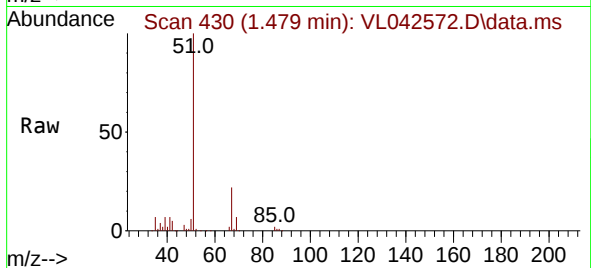
Tgt Ion: 85 Resp: 240819
Ion Ratio Lower Upper
85 100
87 33.1 26.2 39.4





#3
Chlorodifluoromethane
Concen: 9.960 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

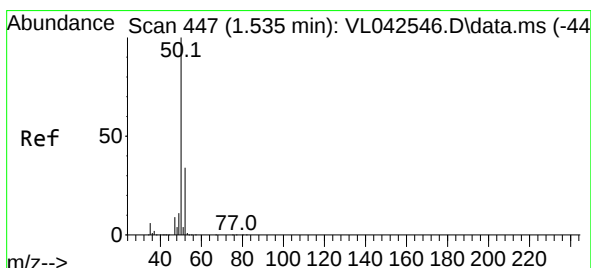
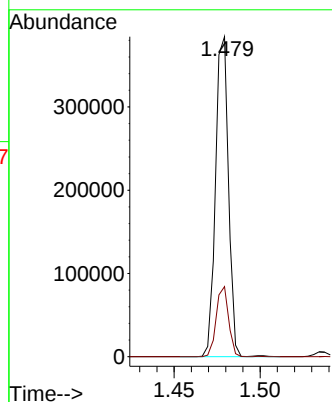
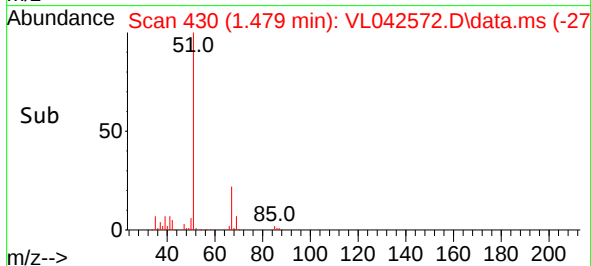
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



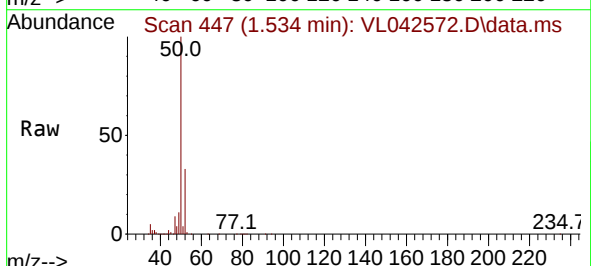
Tgt Ion: 51 Resp: 200758
Ion Ratio Lower Upper
51 100
67 21.0 16.6 25.0

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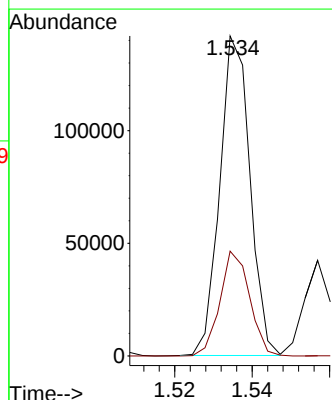
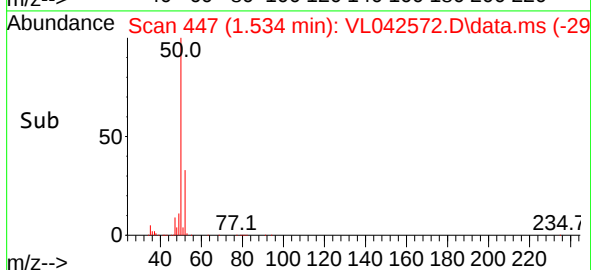
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

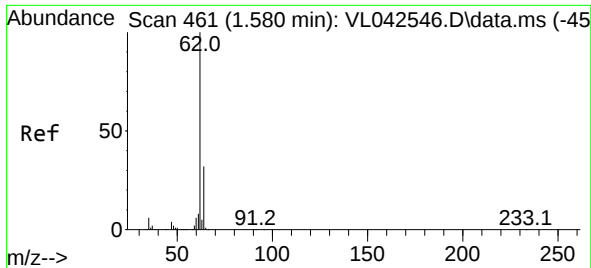


#4
Chloromethane
Concen: 9.744 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



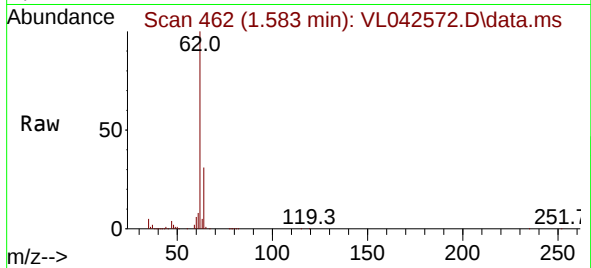
Tgt Ion: 50 Resp: 76798
Ion Ratio Lower Upper
50 100
52 32.8 26.9 40.3





#5
 Vinyl Chloride
 Concen: 9.556 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

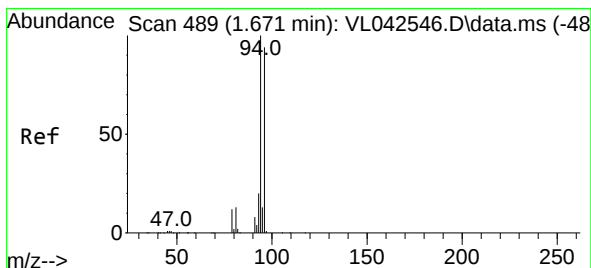
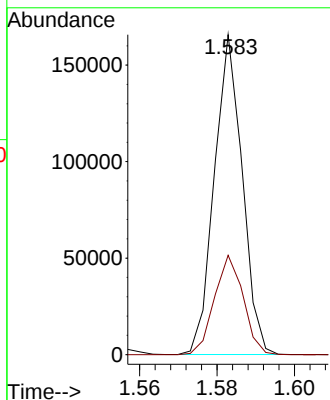
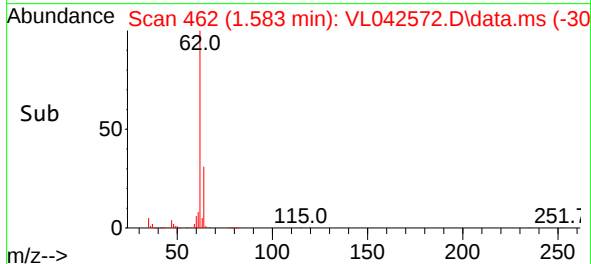
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 62 Resp: 83030
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.7 38.5

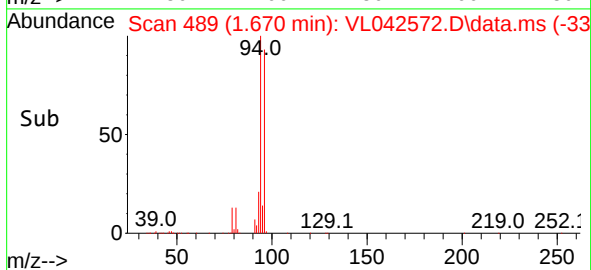
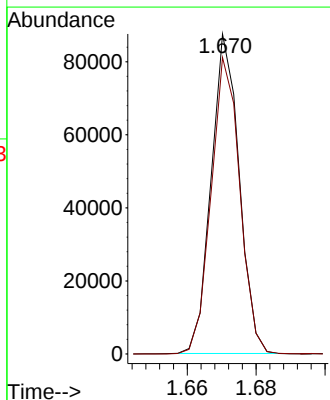
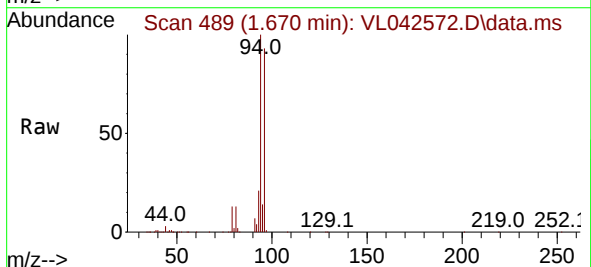
Manual Integrations
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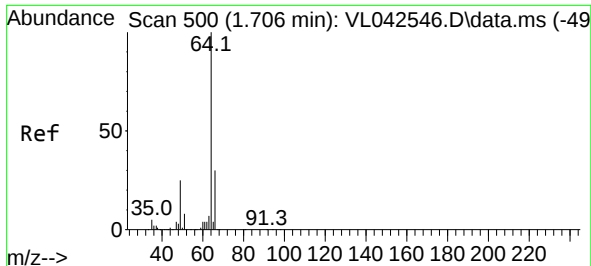
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#6
 Bromomethane
 Concen: 9.853 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

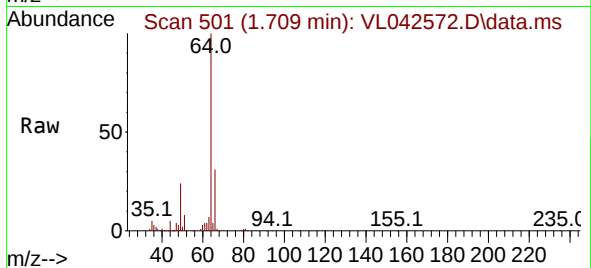
Tgt Ion: 94 Resp: 49255
 Ion Ratio Lower Upper
 94 100
 96 92.6 74.9 112.3





#7
Chloroethane
Concen: 9.717 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

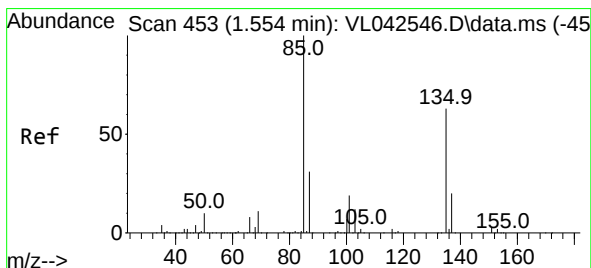
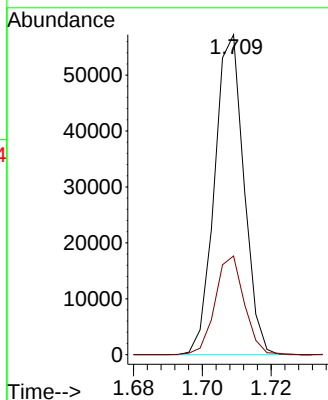
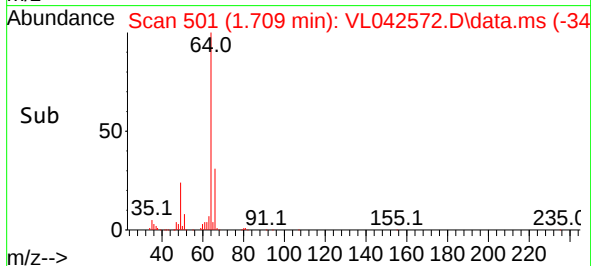
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



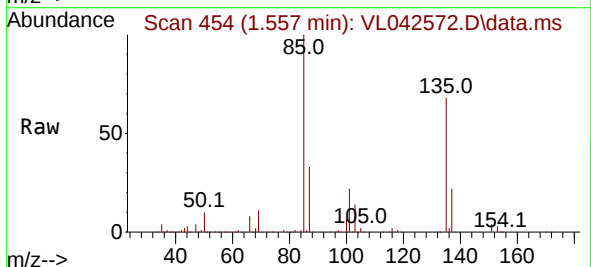
Tgt Ion: 64 Resp: 33948
Ion Ratio Lower Upper
64 100
66 30.9 24.4 36.6

Manual Integrations
APPROVED

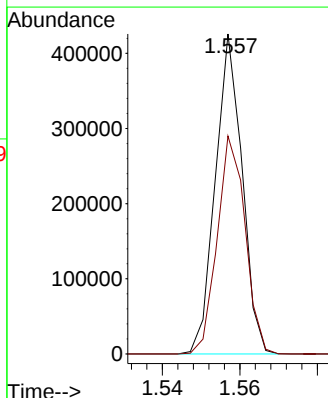
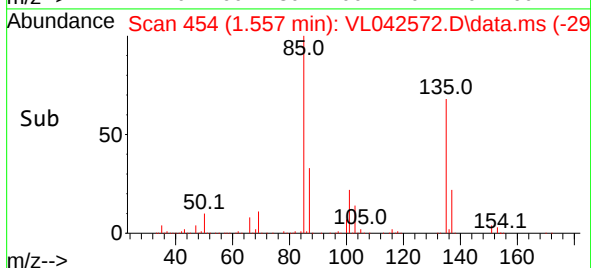
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

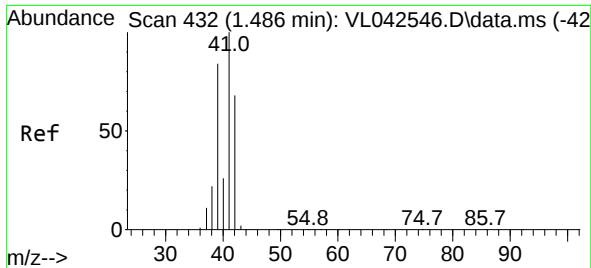


#8
Dichlorotetrafluoroethane
Concen: 9.853 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



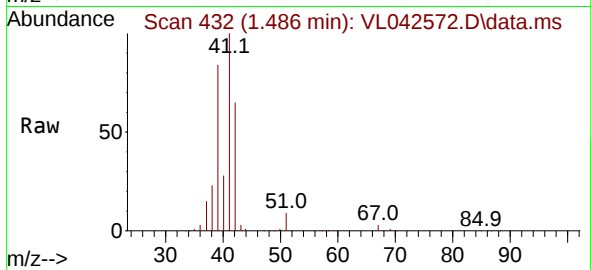
Tgt Ion: 85 Resp: 204184
Ion Ratio Lower Upper
85 100
135 71.1 57.2 85.8





#9
 Propene
 Concen: 9.701 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

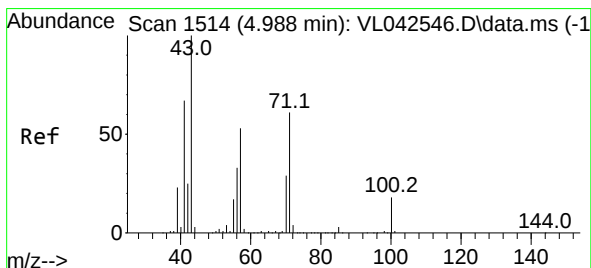
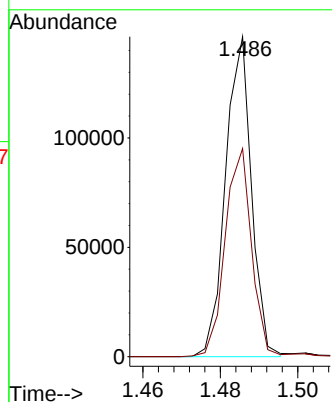
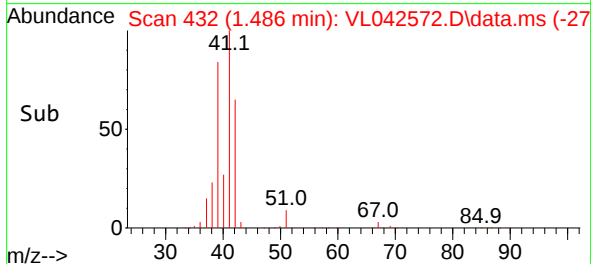
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



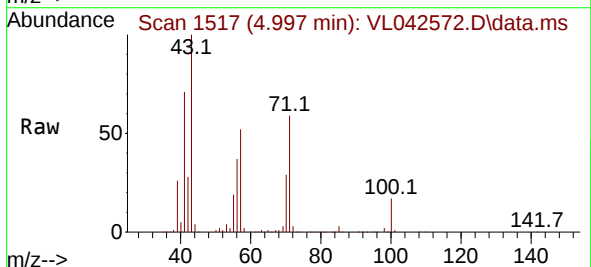
Tgt Ion: 41 Resp: 6795
 Ion Ratio Lower Upper
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 42 67.6 55.0 82.4

Manual Integrations
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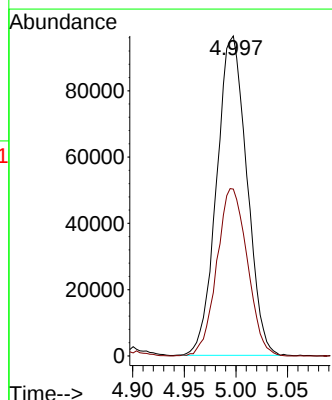
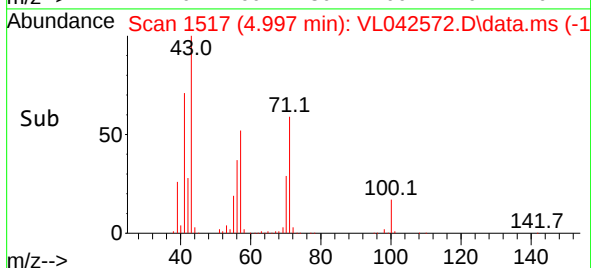
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 Supervised By :Mahesh Dadoda 05/23/2025

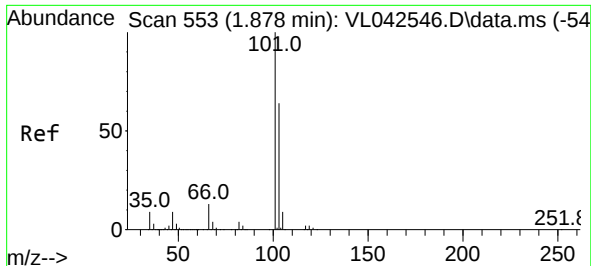


#10
 Heptane
 Concen: 10.617 ppbv
 RT: 4.997 min Scan# 1517
 Delta R.T. 0.009 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22



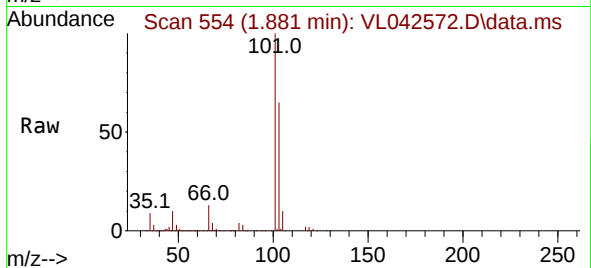
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 Ion Ratio Lower Upper
 43 100
 57 53.0 43.4 65.0





#11
 Trichlorofluoromethane
 Concen: 9.355 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

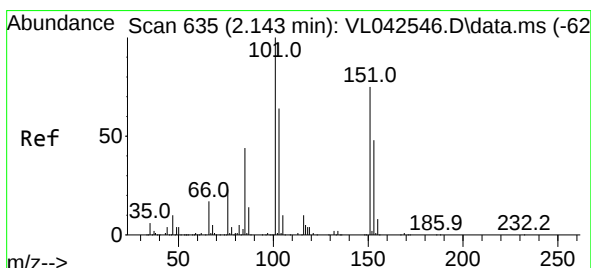
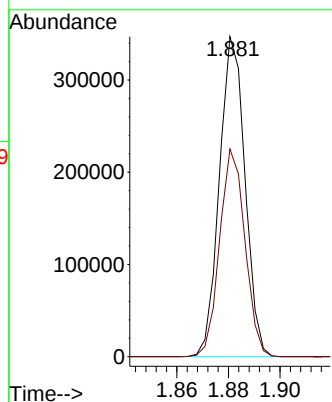
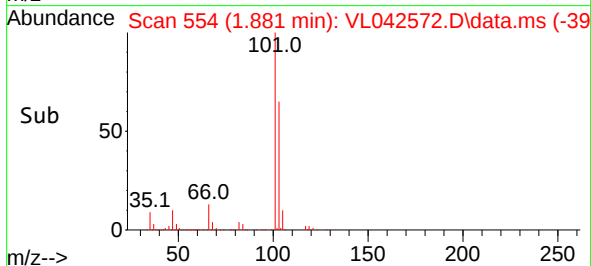
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



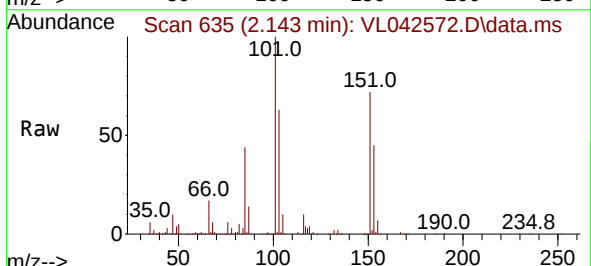
Tgt Ion:101 Resp: 238938
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.5 77.3

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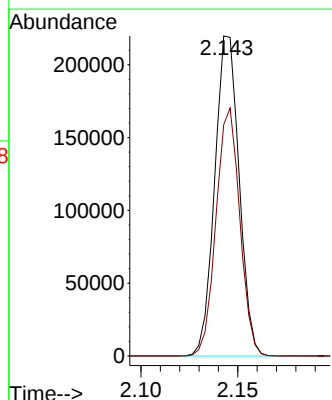
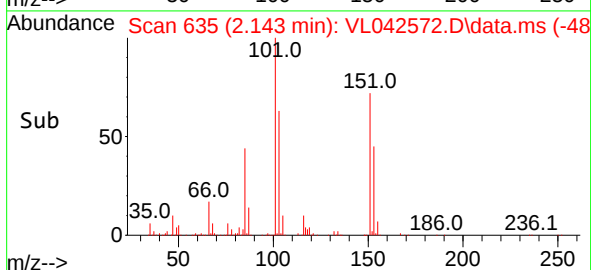
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

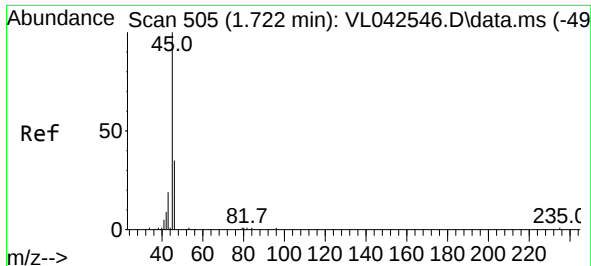


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.354 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22



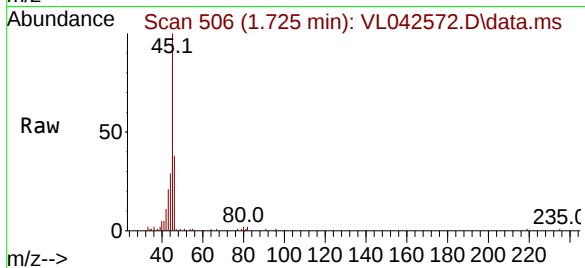
Tgt Ion:101 Resp: 192612
 Ion Ratio Lower Upper
 101 100
 151 75.2 59.5 89.3





#13
Ethanol
Concen: 7.496 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

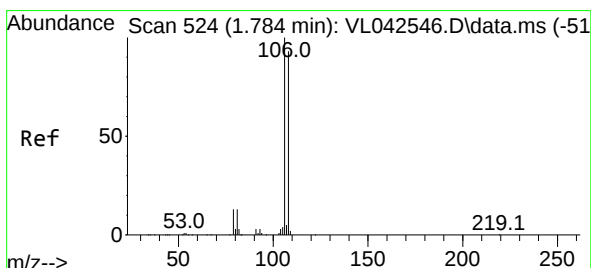
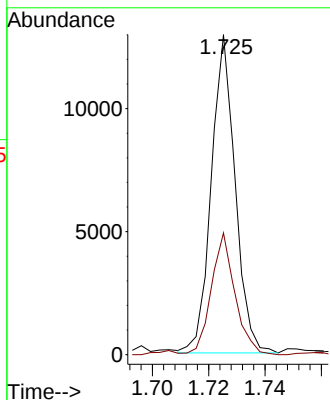
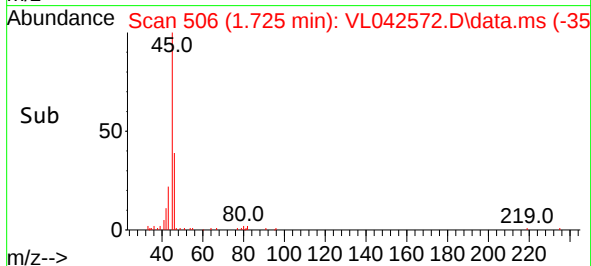
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



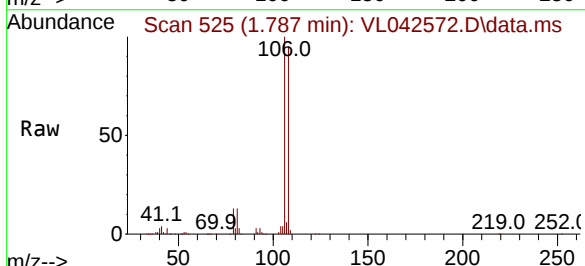
Tgt Ion: 45 Resp: 7612
Ion Ratio Lower Upper
45 100
46 39.7 15.3 61.3

Manual Integrations
APPROVED

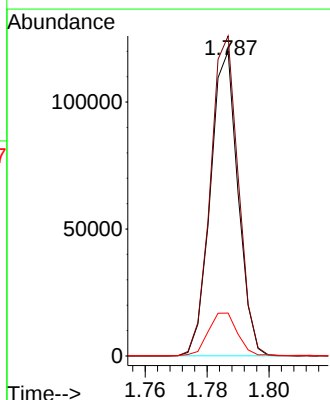
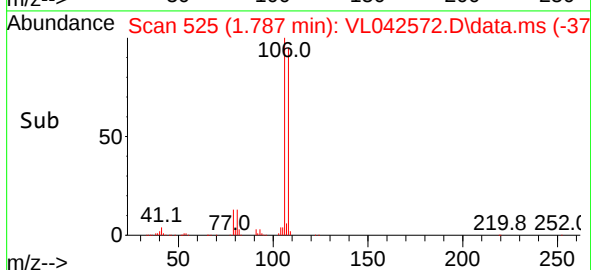
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

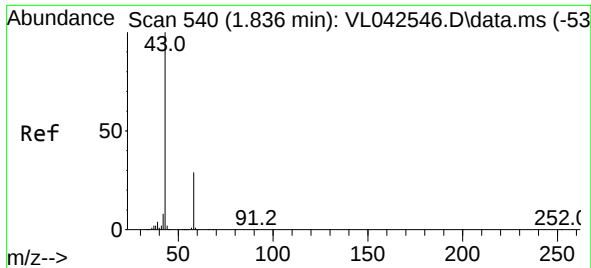


#14
Bromoethene
Concen: 9.519 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



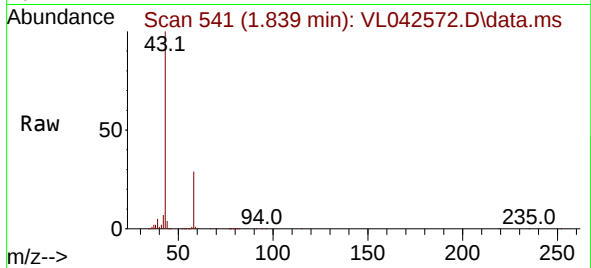
Tgt Ion:108 Resp: 74047
Ion Ratio Lower Upper
108 100
106 106.6 86.4 129.6
79 15.5 11.9 17.9





#15
Acetone
Concen: 8.006 ppbv
RT: 1.839 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

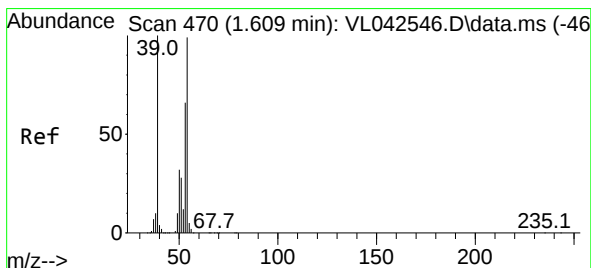
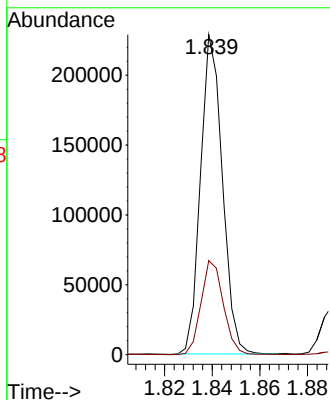
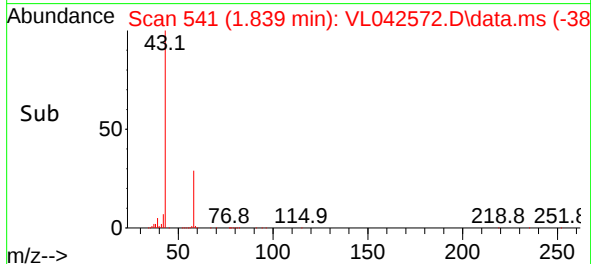
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 145949
Ion Ratio Lower Upper
43 100
58 30.4 24.2 36.2

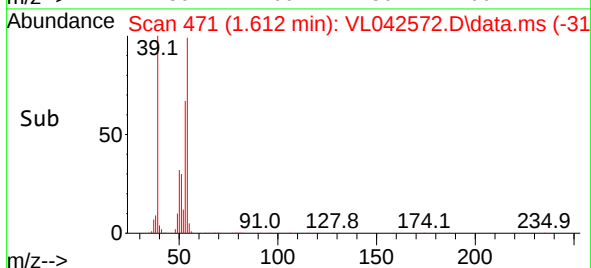
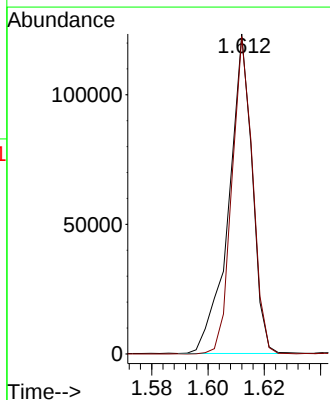
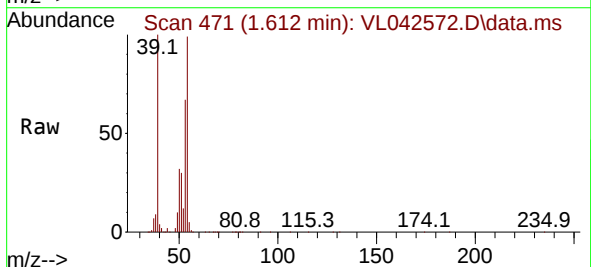
Manual Integrations
APPROVED

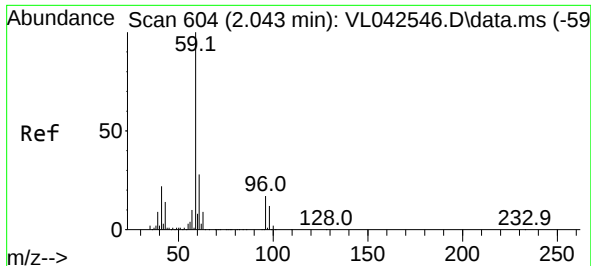
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#16
1,3-Butadiene
Concen: 9.637 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Tgt Ion: 39 Resp: 71325
Ion Ratio Lower Upper
39 100
54 87.3 71.8 107.8





#17

tert-Butyl alcohol

Concen: 9.157 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 59 Resp: 192909

Ion Ratio Lower Upper

59 100

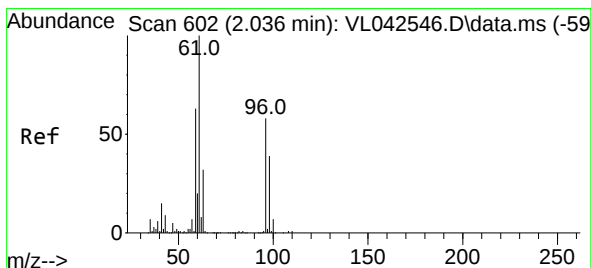
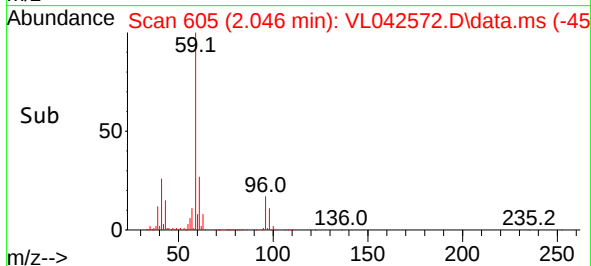
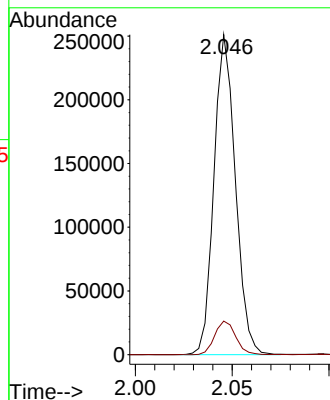
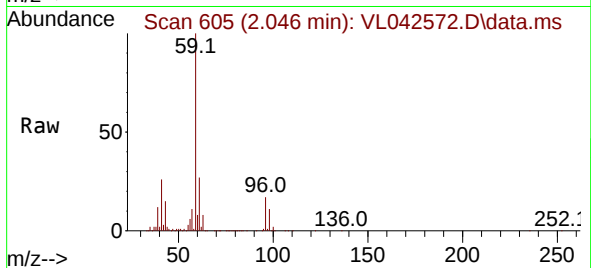
57 10.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#18

1,1-Dichloroethene

Concen: 9.176 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

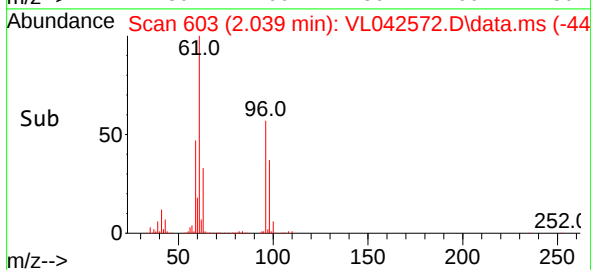
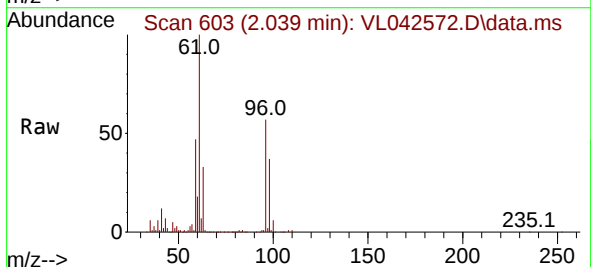
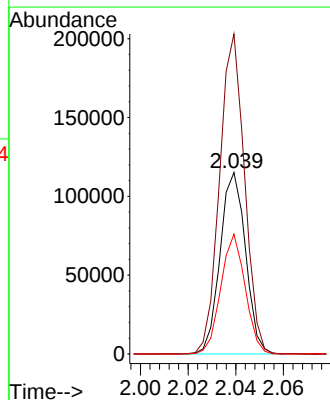
Tgt Ion: 96 Resp: 85383

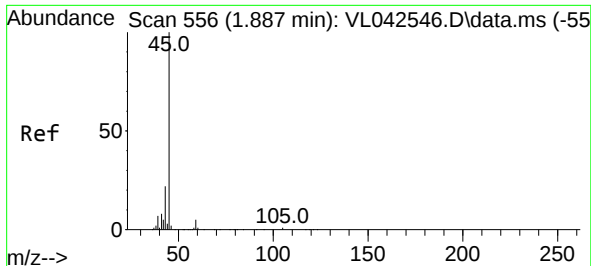
Ion Ratio Lower Upper

96 100

61 176.4 137.5 206.3

98 66.0 53.2 79.8





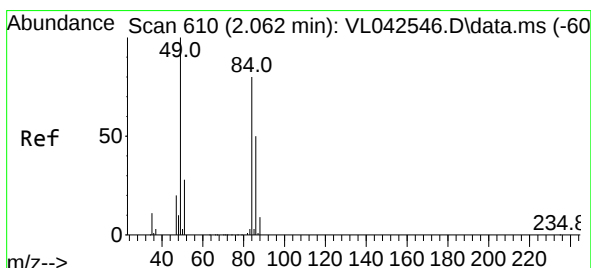
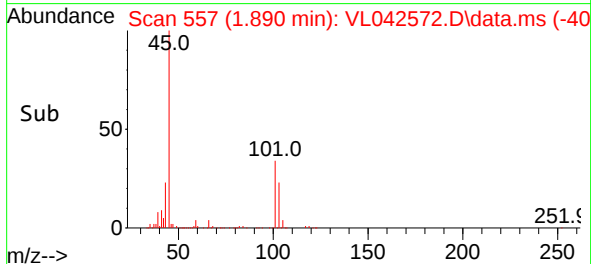
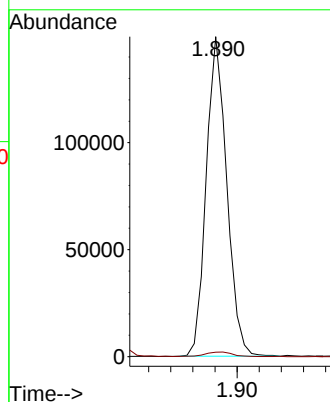
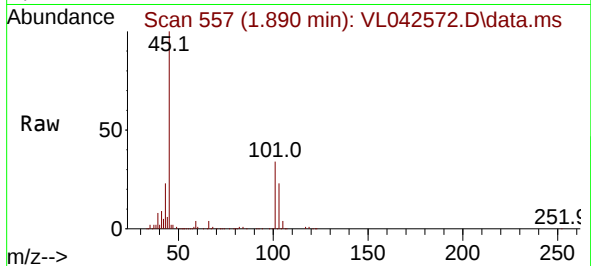
#19
Isopropyl Alcohol
Concen: 9.291 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 96315
Ion Ratio Lower Upper
45 100
58 2.0 35.3 52.9

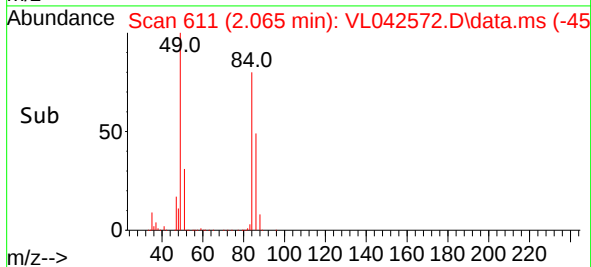
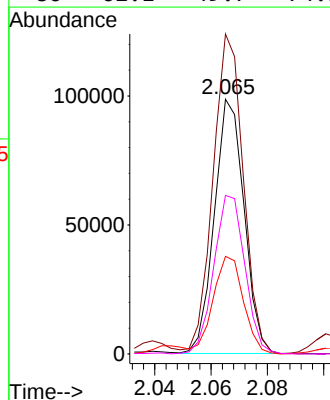
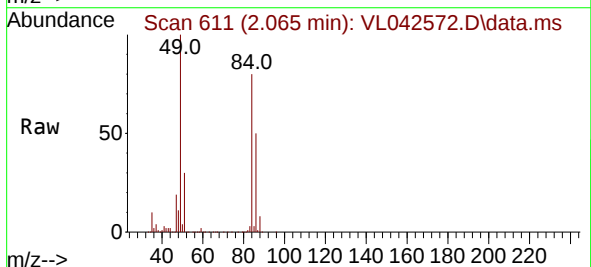
Manual Integrations
APPROVED

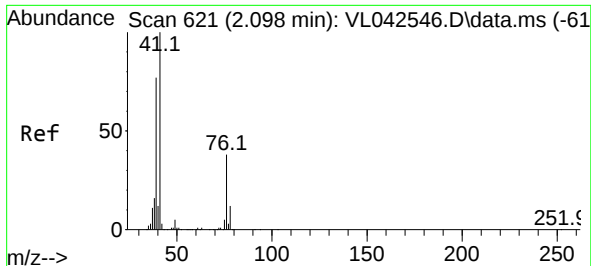
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#20
Methylene Chloride
Concen: 8.193 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

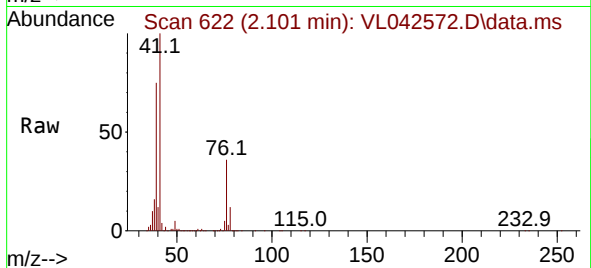
Tgt Ion: 84 Resp: 72315
Ion Ratio Lower Upper
84 100
49 125.7 99.7 149.5
51 38.4 29.7 44.5
86 62.1 49.7 74.5





#21
 Allyl Chloride
 Concen: 9.468 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

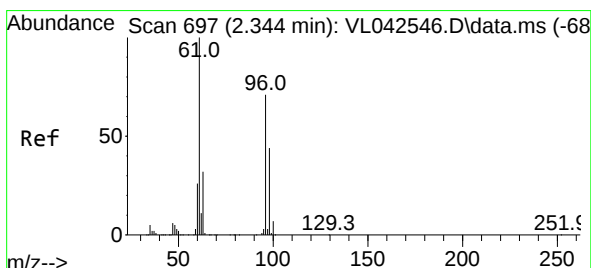
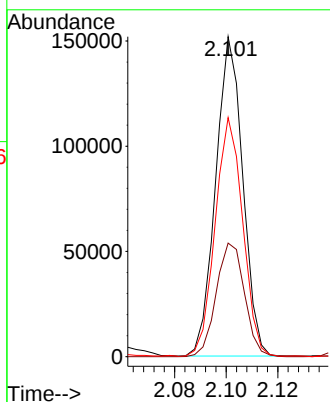
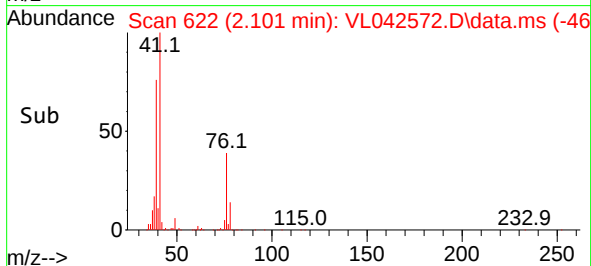
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 41 Resp: 110550
 Ion Ratio Lower Upper
 41 100
 76 37.1 30.2 45.4
 39 75.9 62.5 93.7

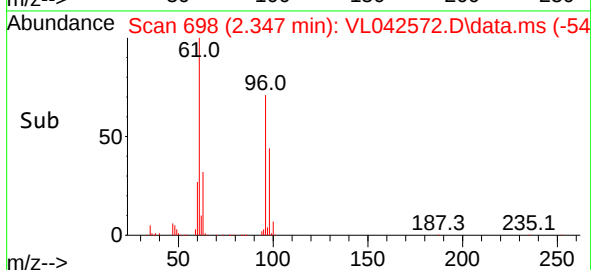
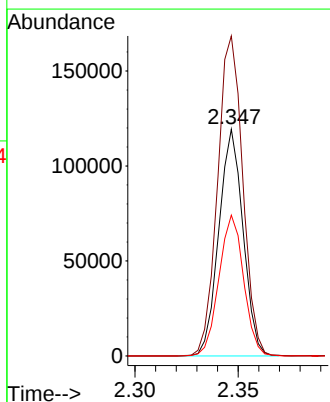
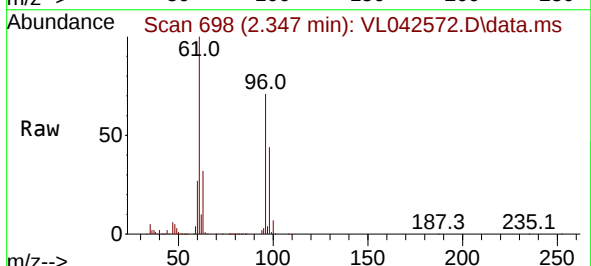
Manual Integrations
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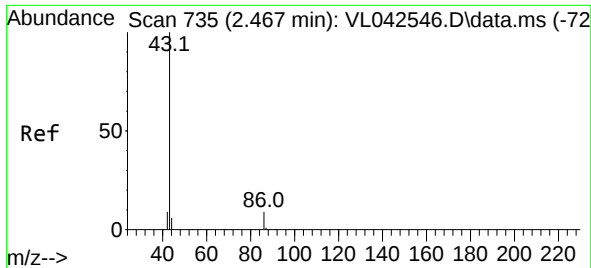
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 9.433 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

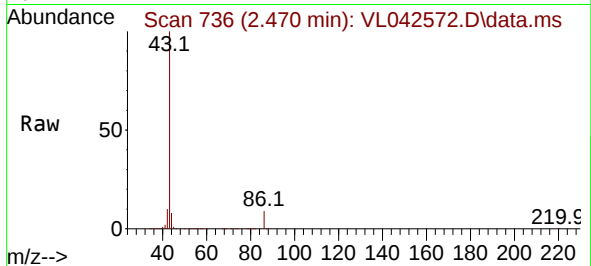
Tgt Ion: 96 Resp: 97386
 Ion Ratio Lower Upper
 96 100
 61 141.1 112.5 168.7
 98 62.1 49.0 73.4





#23
 Vinyl Acetate
 Concen: 10.005 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

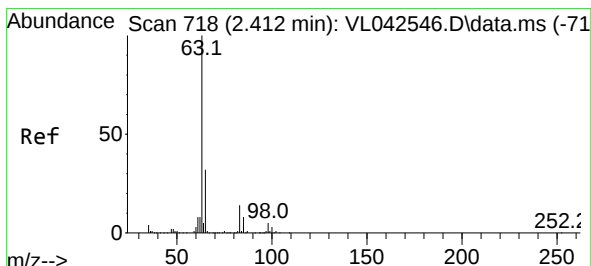
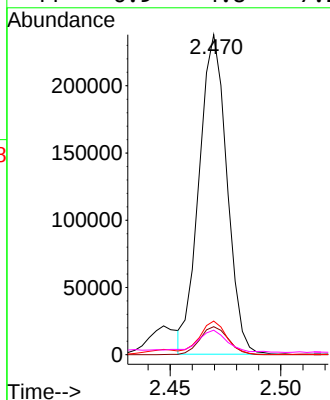
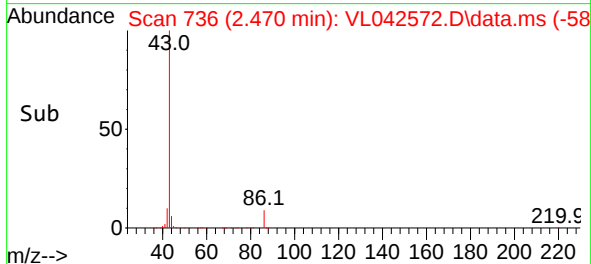


Tgt Ion: 43 Resp: 207532

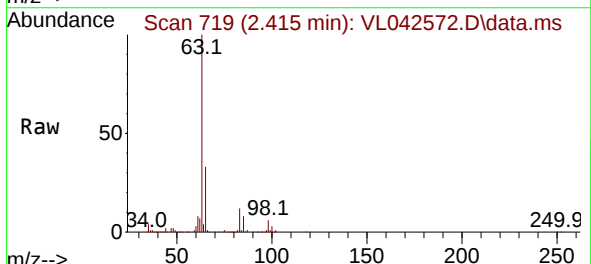
Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.0	10.6
42	10.4	7.4	11.2
44	6.9	4.8	7.2

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

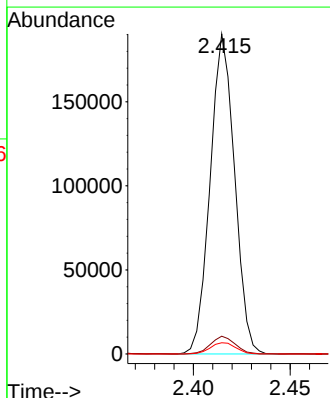
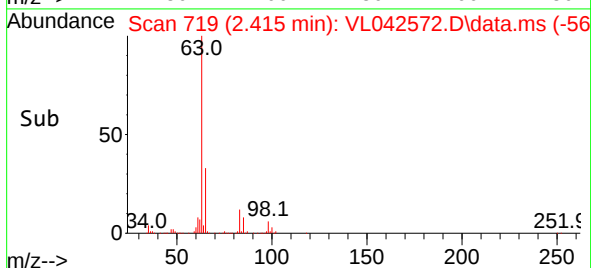


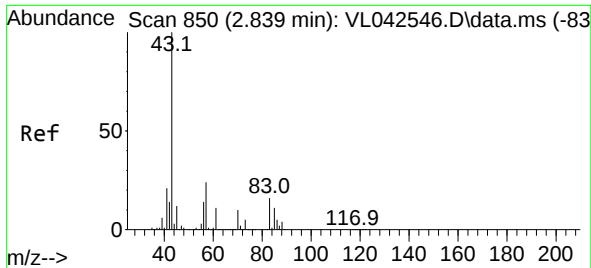
#24
 1,1-Dichloroethane
 Concen: 9.436 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22



Tgt Ion: 63 Resp: 167059

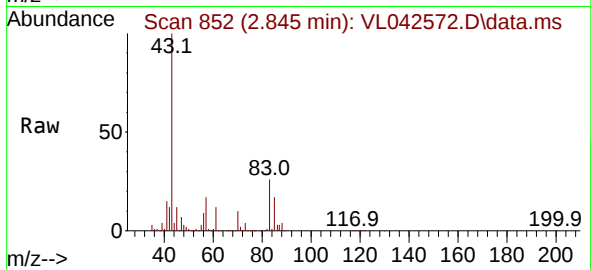
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.6	7.8
100	3.5	1.8	5.3





#25
Ethyl Acetate
Concen: 10.312 ppbv
RT: 2.845 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

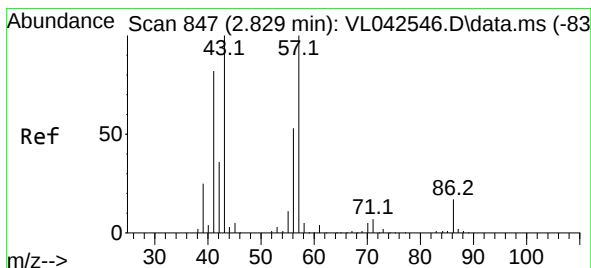
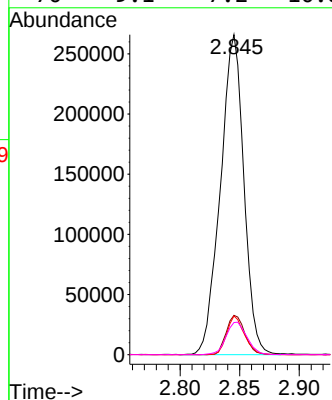
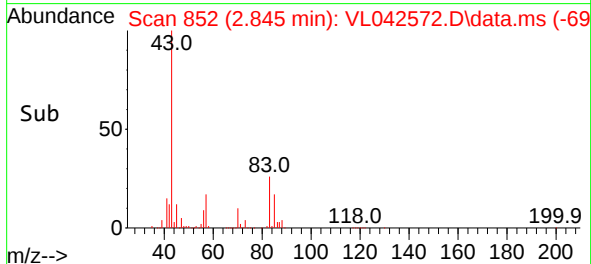
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 43 Resp: 363385
Ion Ratio Lower Upper
43 100
45 9.8 8.0 12.0
61 9.2 7.5 11.3
70 9.1 7.2 10.8

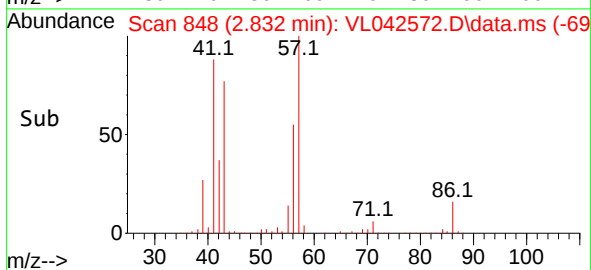
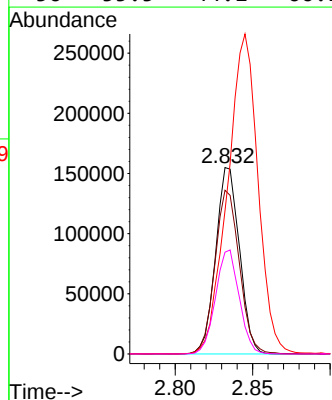
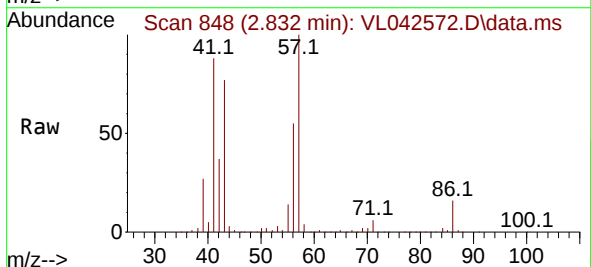
Manual Integrations
APPROVED

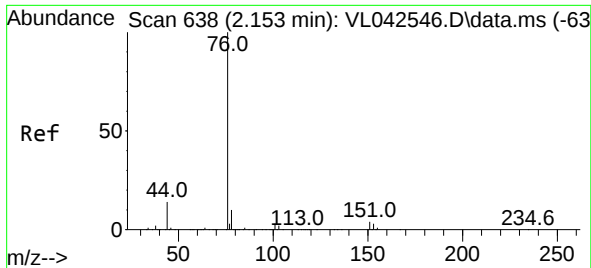
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#26
Hexane
Concen: 10.373 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

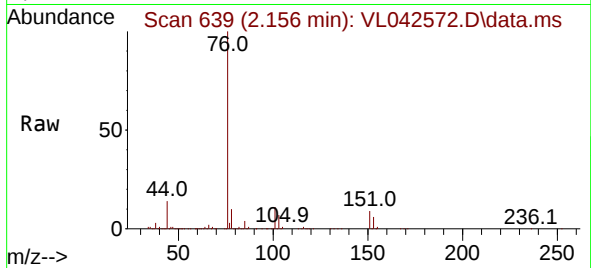
Tgt Ion: 57 Resp: 165261
Ion Ratio Lower Upper
57 100
41 90.8 69.0 103.4
43 220.3 174.2 261.2
56 55.5 44.1 66.1





#27
Carbon Disulfide
Concen: 9.668 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

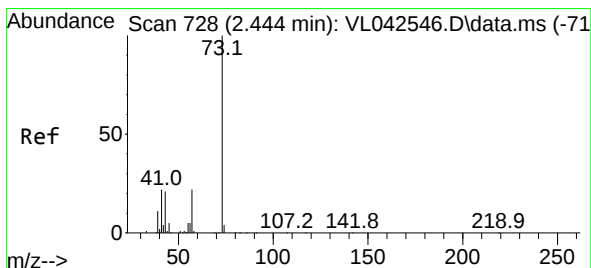
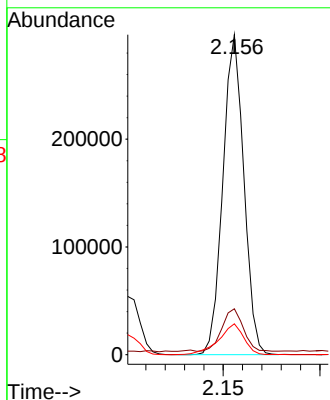
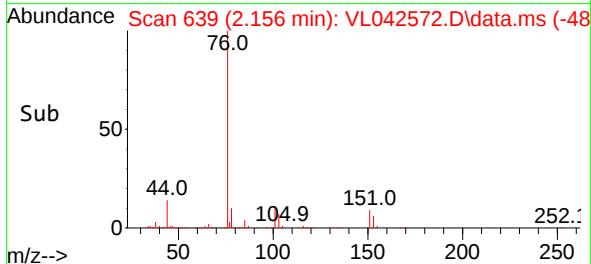
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



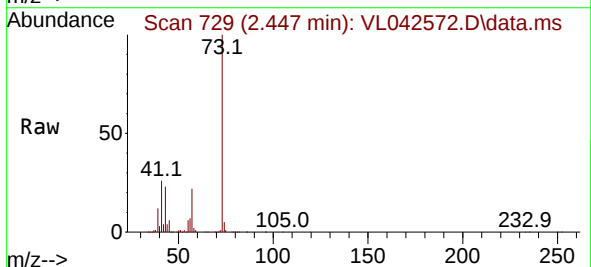
Tgt Ion: 76 Resp: 22312
Ion Ratio Lower Upper
76 100
44 14.3 14.0 21.0
78 11.5 9.4 14.0

Manual Integrations
APPROVED

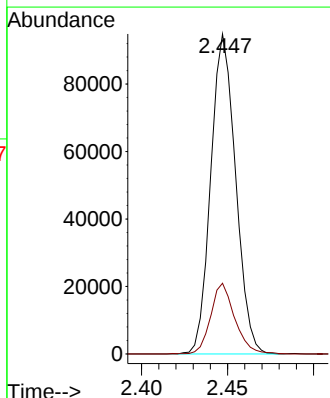
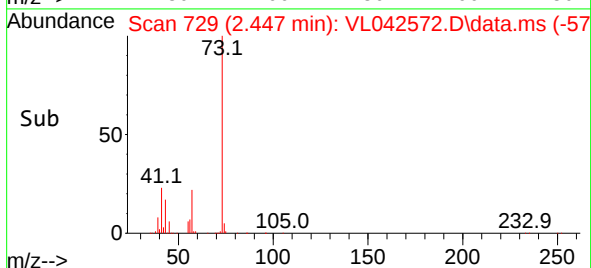
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

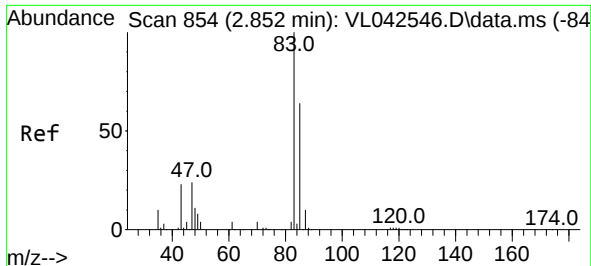


#28
Methyl tert-Butyl Ether
Concen: 8.871 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



Tgt Ion: 73 Resp: 95244
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8





#29

Chloroform

Concen: 9.892 ppbv

RT: 2.858 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 83 Resp: 29804

Ion Ratio Lower Upper

83 100

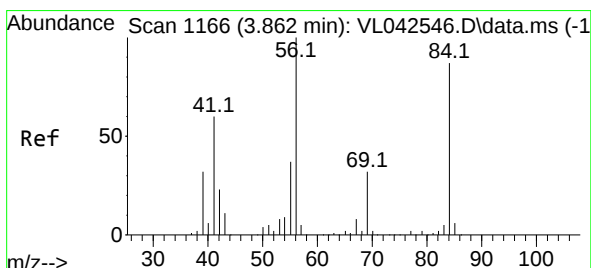
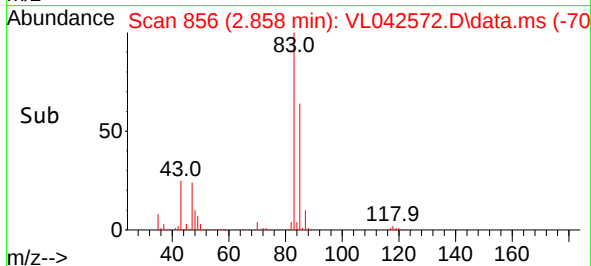
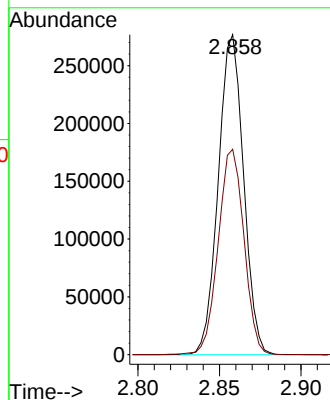
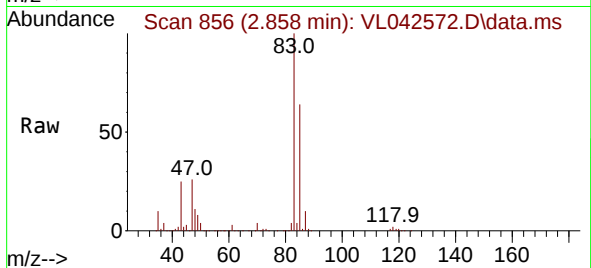
85 64.1 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#30

Cyclohexane

Concen: 10.243 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

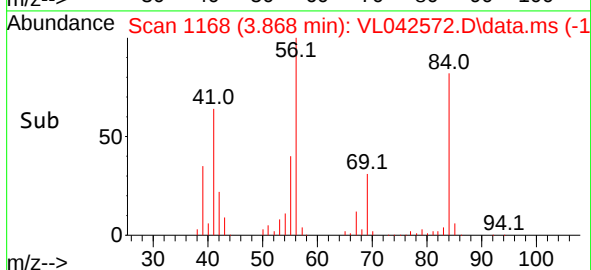
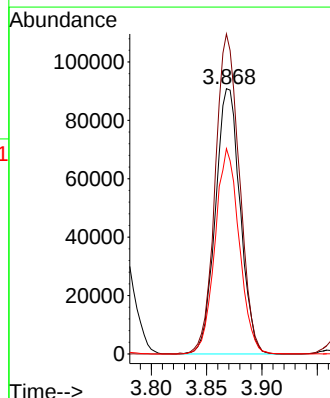
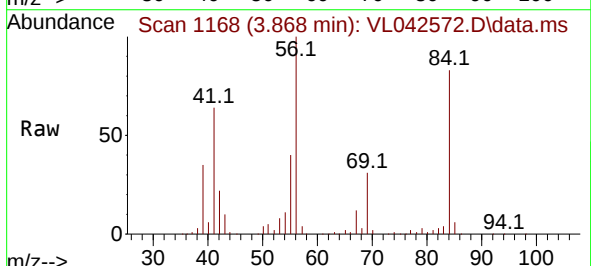
Tgt Ion: 84 Resp: 141186

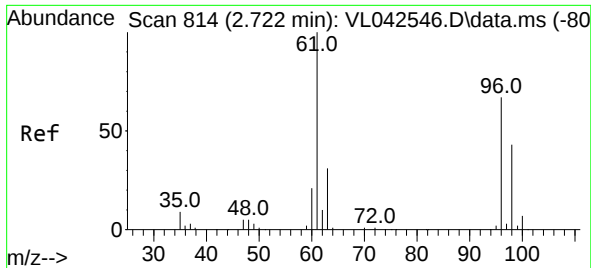
Ion Ratio Lower Upper

84 100

56 117.8 92.3 138.5

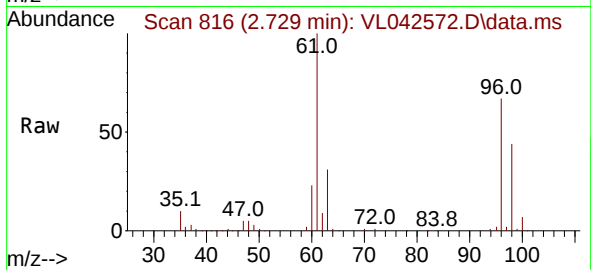
41 76.0 57.0 85.4





#31
 cis-1,2-Dichloroethene
 Concen: 9.514 ppbv
 RT: 2.729 min Scan# 814
 Delta R.T. 0.006 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

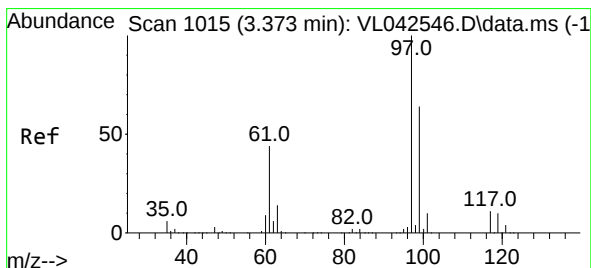
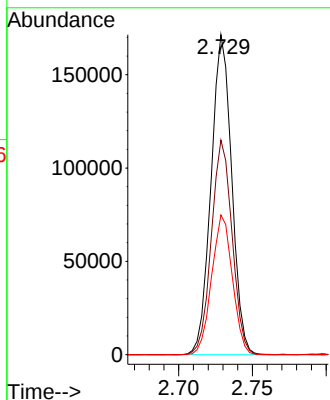
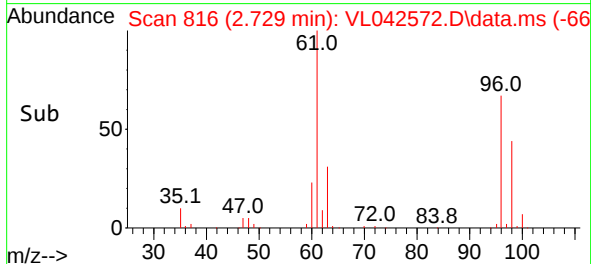
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



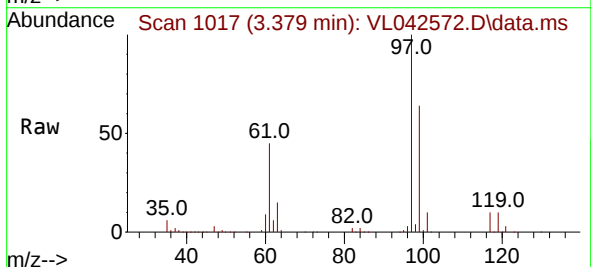
Tgt Ion: 61 Resp: 166669
 Ion Ratio Lower Upper
 61 100
 96 67.0 53.8 80.8
 98 43.6 34.5 51.7

Manual Integrations
 APPROVED

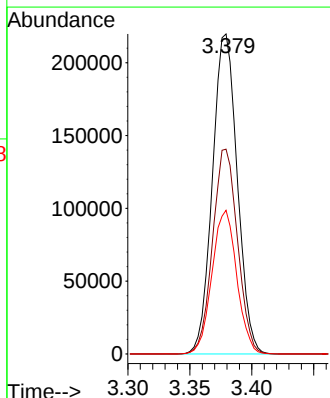
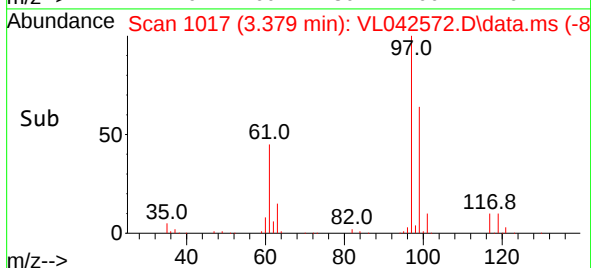
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

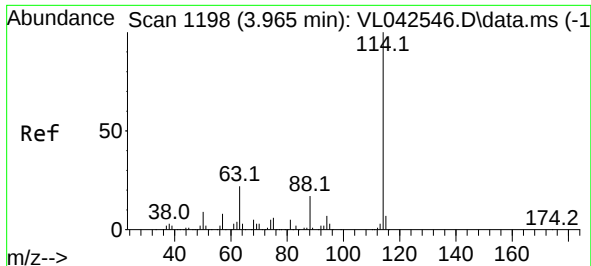


#32
 1,1,1-Trichloroethane
 Concen: 9.982 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.006 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22



Tgt Ion: 97 Resp: 307375
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 44.8 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.971 min Scan# 1198

Delta R.T. 0.006 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:114 Resp: 40992

Ion Ratio Lower Upper

114 100

63 23.6 18.4 27.6

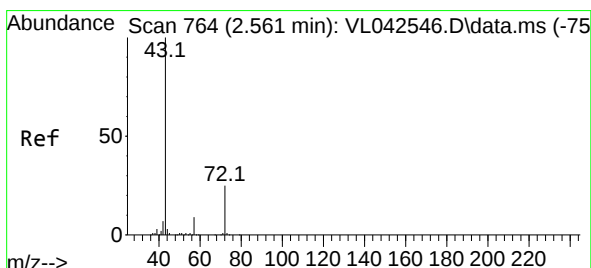
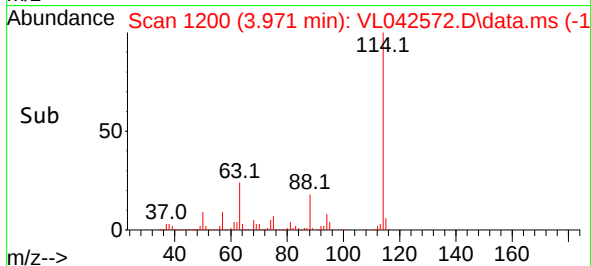
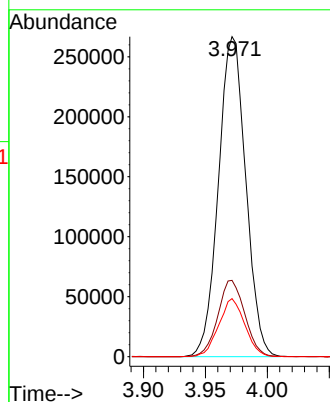
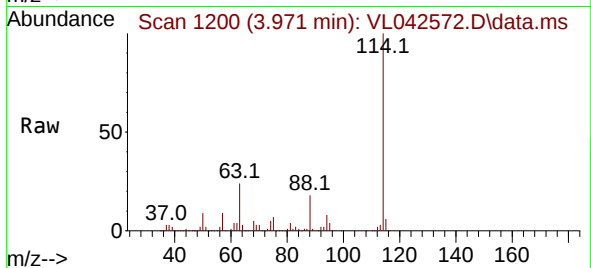
88 17.3 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#34

2-Butanone

Concen: 10.448 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.006 min

Lab File: VL042572.D

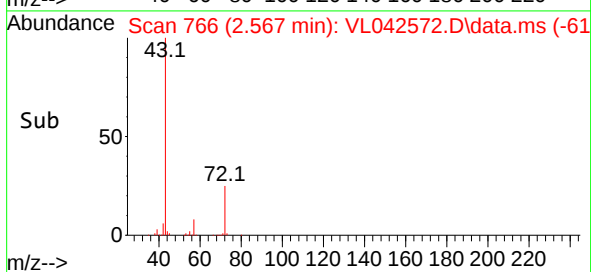
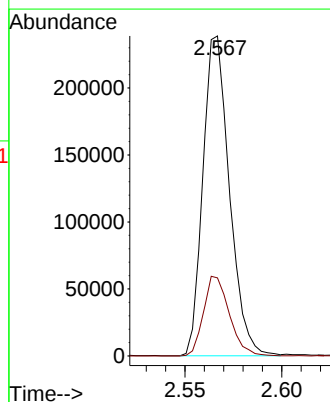
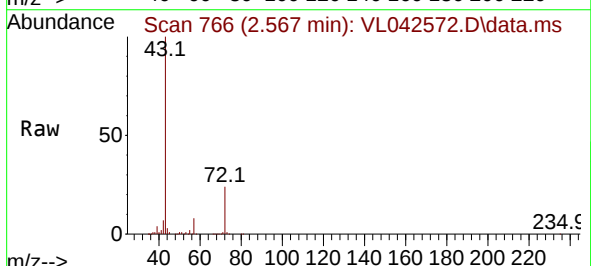
Acq: 22 May 2025 09:22

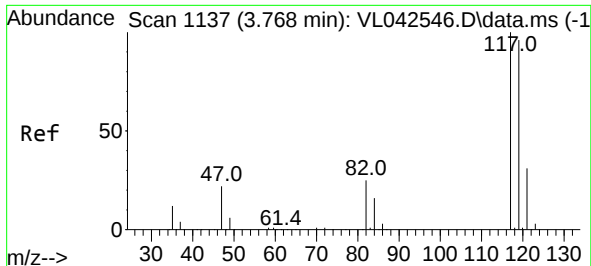
Tgt Ion: 43 Resp: 227354

Ion Ratio Lower Upper

43 100

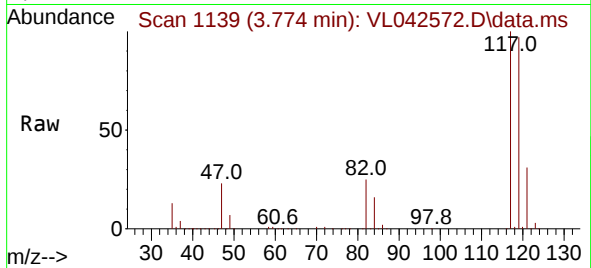
72 24.4 20.5 30.7





#35
Carbon Tetrachloride
Concen: 10.587 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

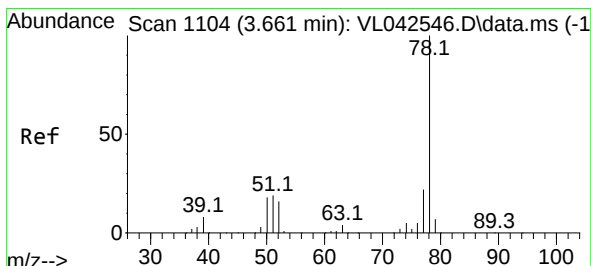
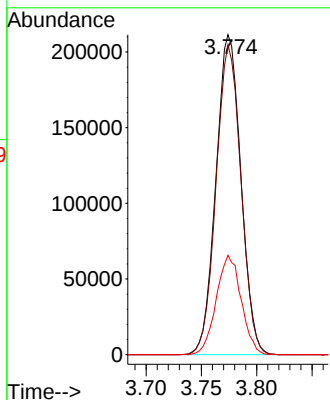
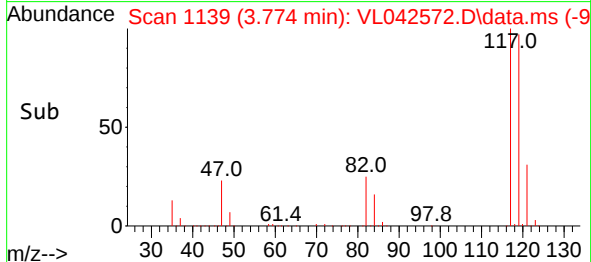
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



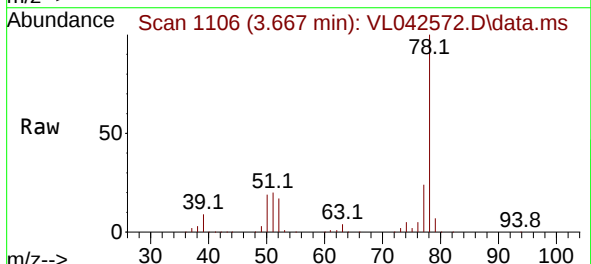
Tgt Ion:117 Resp: 331829
Ion Ratio Lower Upper
117 100
119 96.8 76.6 114.8
121 31.0 24.7 37.1

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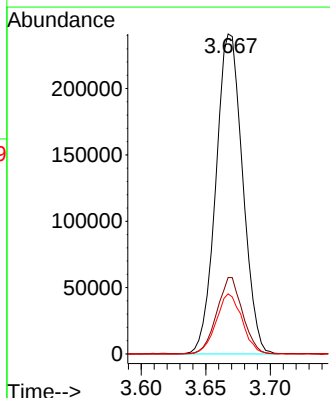
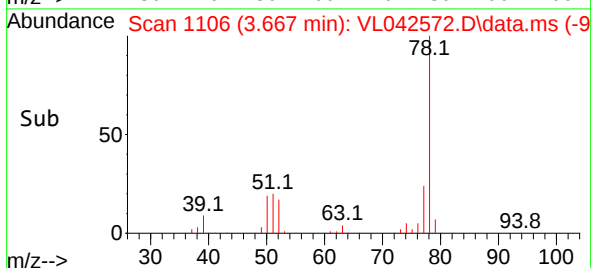
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

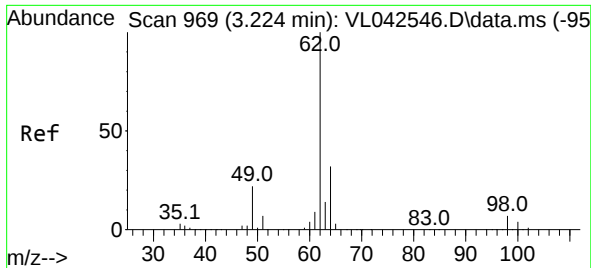


#36
Benzene
Concen: 10.484 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



Tgt Ion: 78 Resp: 347784
Ion Ratio Lower Upper
78 100
77 23.9 17.8 26.6
50 18.8 14.0 21.0





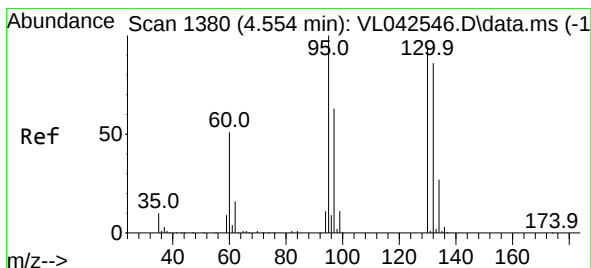
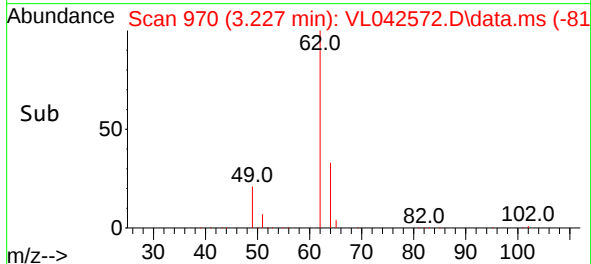
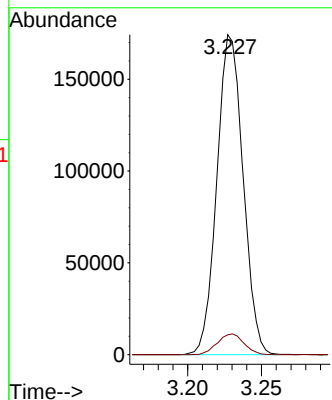
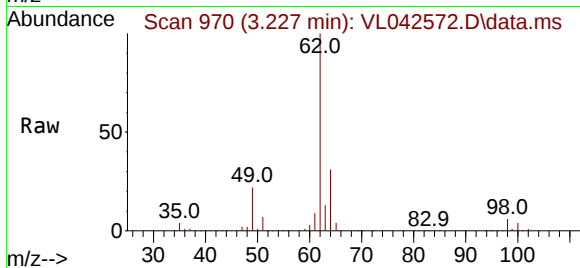
#37
1,2-Dichloroethane
Concen: 10.635 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 215560
Ion Ratio Lower Upper
62 100
98 6.6 5.5 8.3

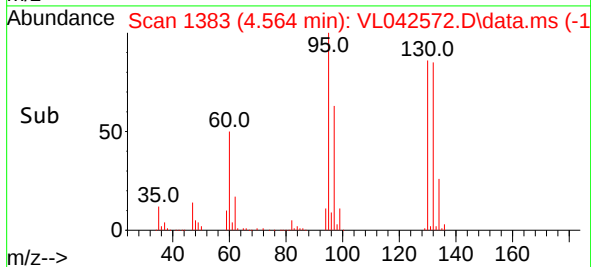
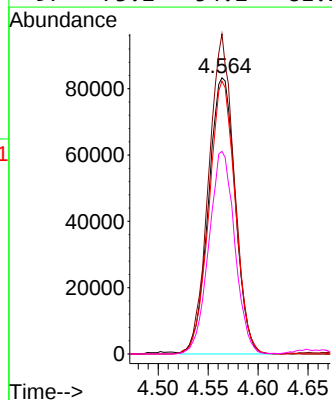
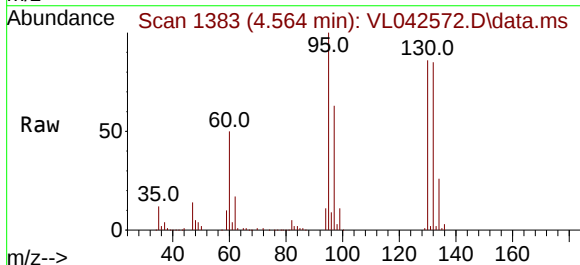
Manual Integrations
APPROVED

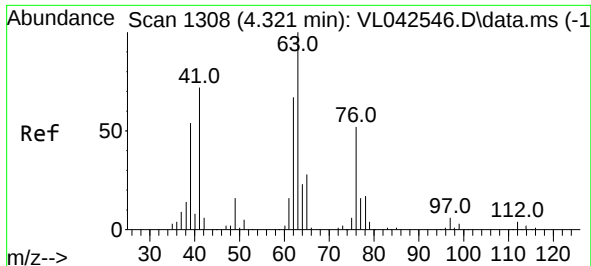
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#38
Trichloroethene
Concen: 10.237 ppbv
RT: 4.564 min Scan# 1383
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Tgt Ion:130 Resp: 154995
Ion Ratio Lower Upper
130 100
95 115.8 85.2 127.8
132 98.8 73.4 110.2
97 73.2 54.2 81.2





#39

1,2-Dichloropropane

Concen: 10.505 ppbv

RT: 4.327 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

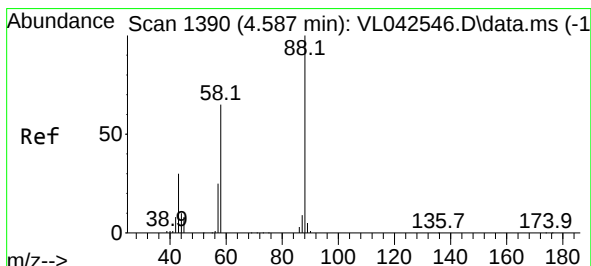
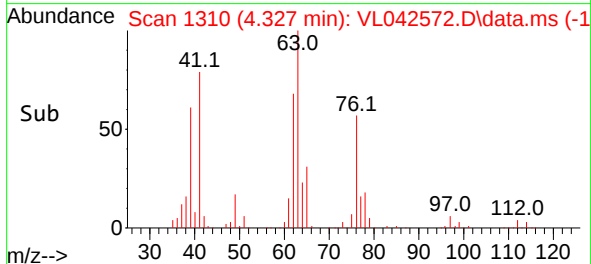
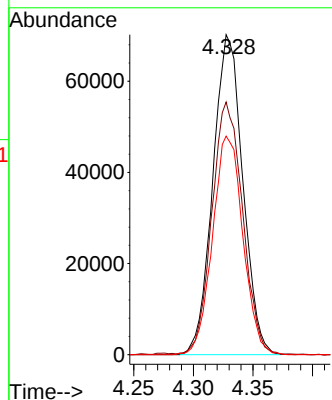
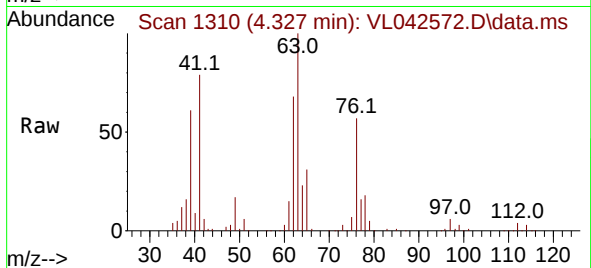
Tgt Ion: 63 Resp: 122318

Ion	Ratio	Lower	Upper
63	100		
41	78.8	58.0	87.0
62	68.0	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: 10.825 ppbv

RT: 4.599 min Scan# 1394

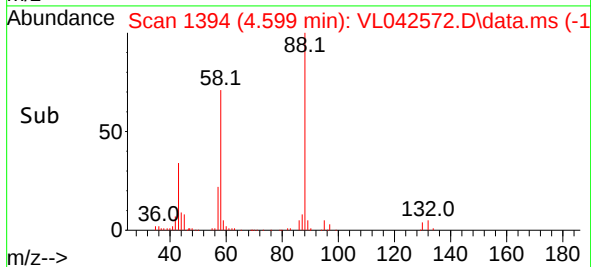
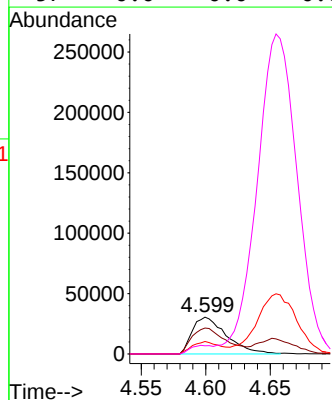
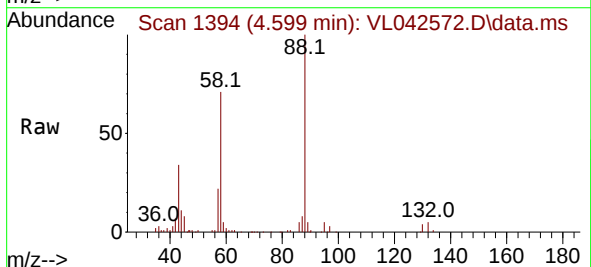
Delta R.T. 0.013 min

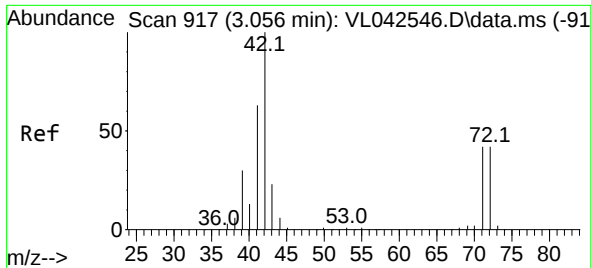
Lab File: VL042572.D

Acq: 22 May 2025 09:22

Tgt Ion: 88 Resp: 56378

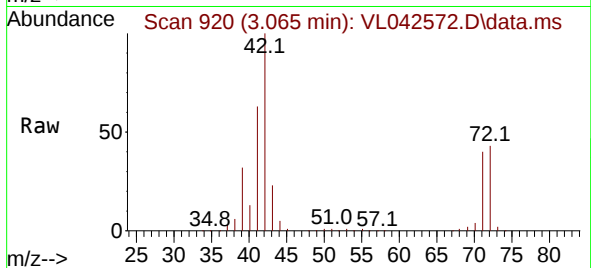
Ion	Ratio	Lower	Upper
88	100		
58	68.5	52.8	79.2
43	29.2	23.0	34.4
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 11.147 ppbv
RT: 3.065 min Scan# 917
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

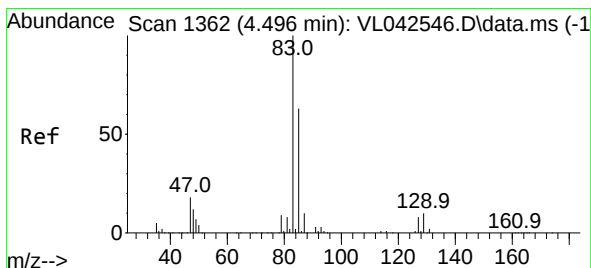
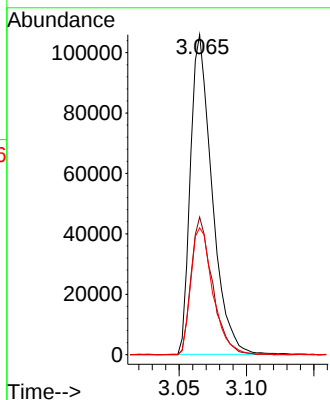
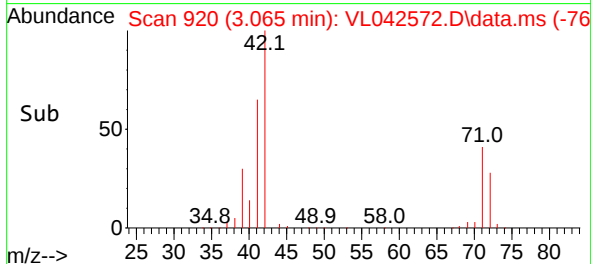
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



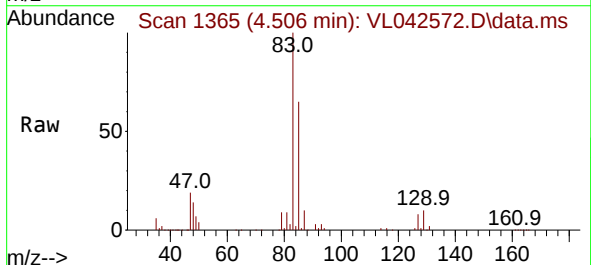
Tgt Ion: 42 Resp: 11824
Ion Ratio Lower Upper
42 100
72 42.2 34.8 52.2
71 40.6 33.6 50.4

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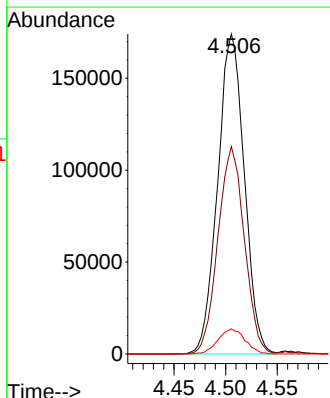
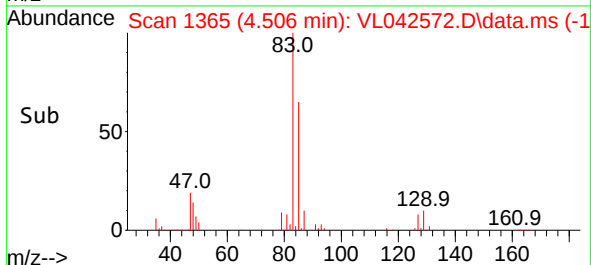
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

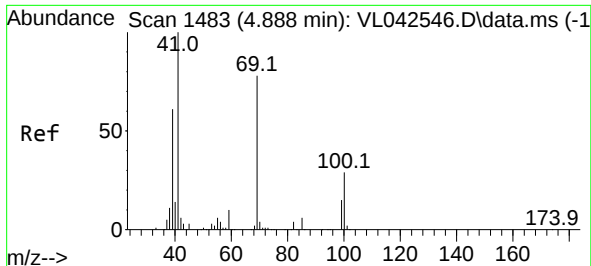


#42
Bromodichloromethane
Concen: 10.945 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



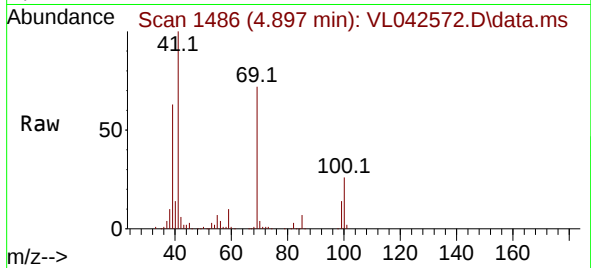
Tgt Ion: 83 Resp: 312597
Ion Ratio Lower Upper
83 100
85 64.8 50.4 75.6
127 7.9 6.5 9.7





#43
Methyl Methacrylate
Concen: 10.978 ppbv
RT: 4.897 min Scan# 1411
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

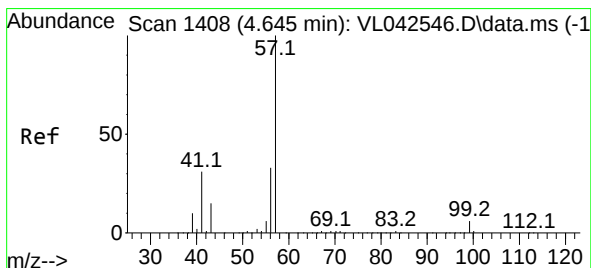
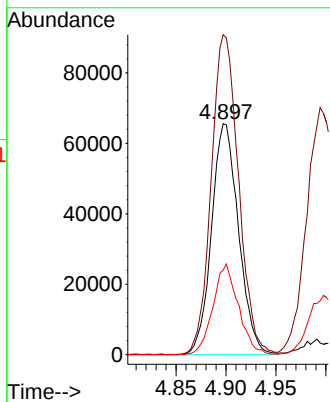
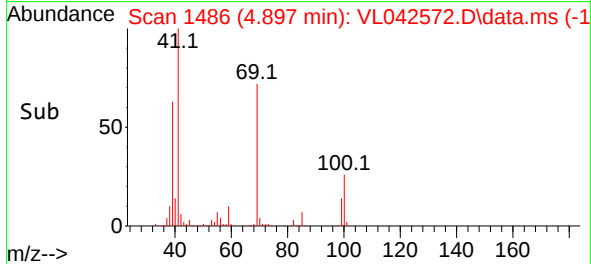
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



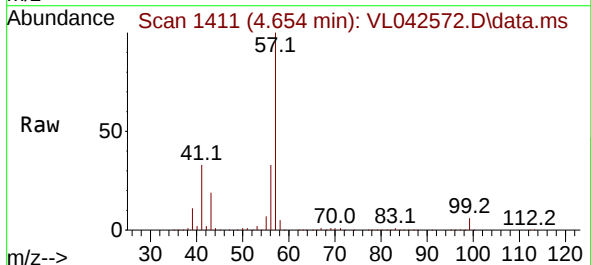
Tgt Ion: 69 Resp: 123579
Ion Ratio Lower Upper
69 100
41 139.7 107.8 161.8
100 37.0 30.3 45.5

Manual Integrations
APPROVED

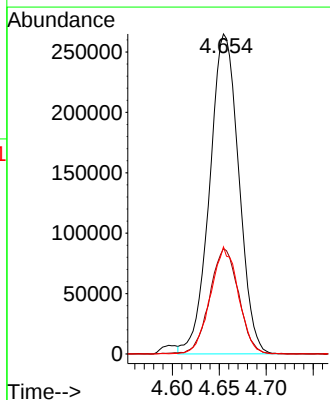
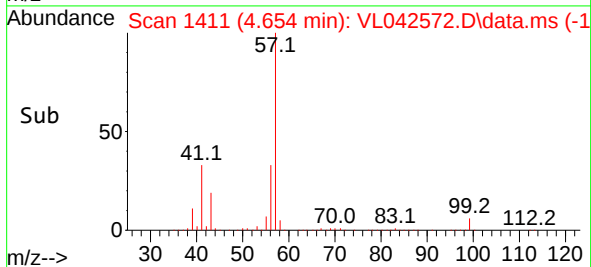
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

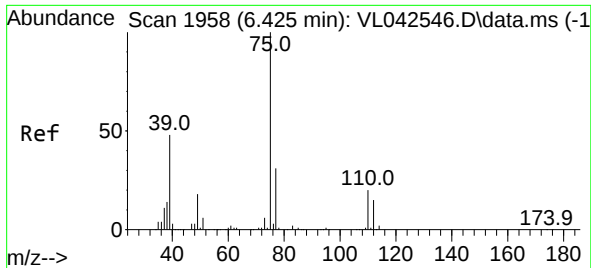


#44
2,2,4-Trimethylpentane
Concen: 11.221 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



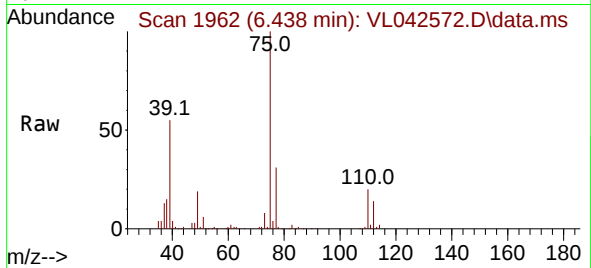
Tgt Ion: 57 Resp: 570937
Ion Ratio Lower Upper
57 100
41 32.9 25.0 37.4
56 32.2 25.1 37.7





#45
 t-1,3-Dichloropropene
 Concen: 10.392 ppbv
 RT: 6.438 min Scan# 1958
 Delta R.T. 0.013 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

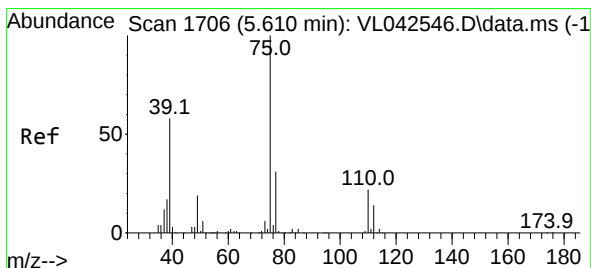
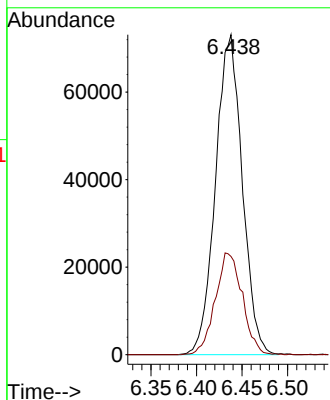
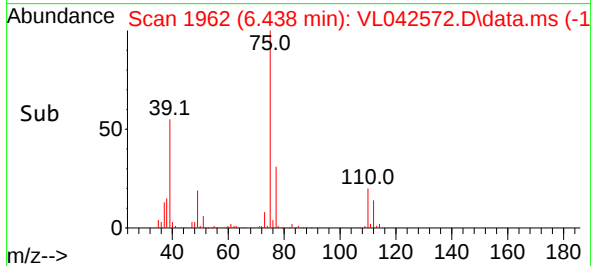
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion: 75 Resp: 14923
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0

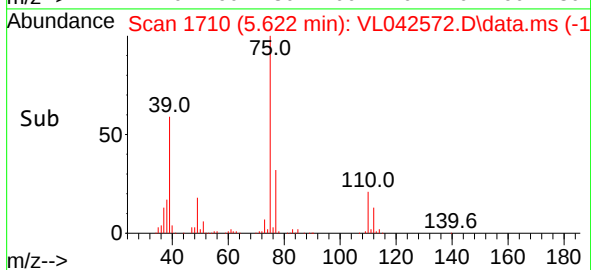
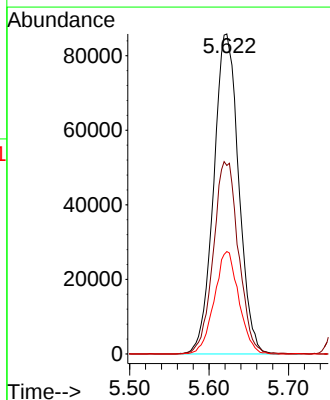
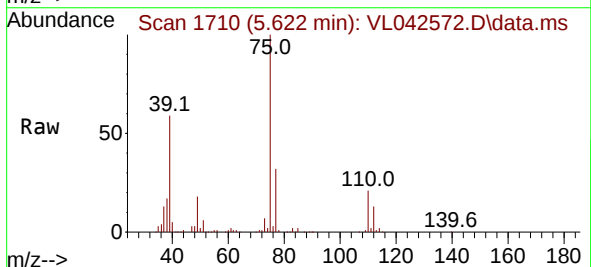
Manual Integrations
 APPROVED

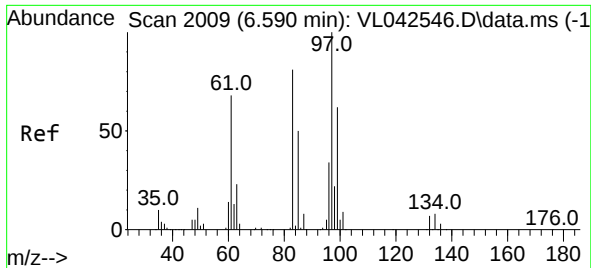
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.724 ppbv
 RT: 5.622 min Scan# 1710
 Delta R.T. 0.013 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

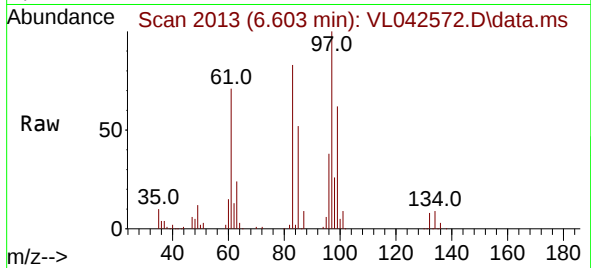
Tgt Ion: 75 Resp: 187277
 Ion Ratio Lower Upper
 75 100
 39 58.8 46.3 69.5
 77 32.0 25.0 37.6





#47
1,1,2-Trichloroethane
Concen: 10.693 ppbv
RT: 6.603 min Scan# 2009
Delta R.T. 0.013 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

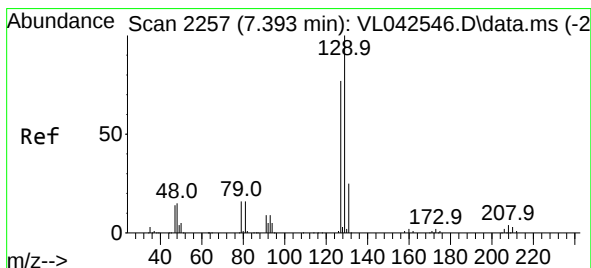
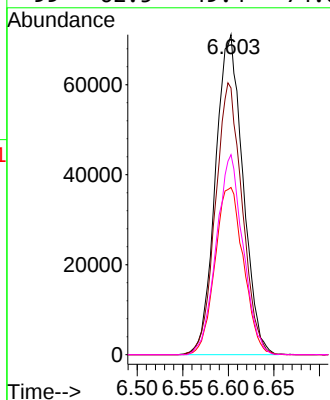
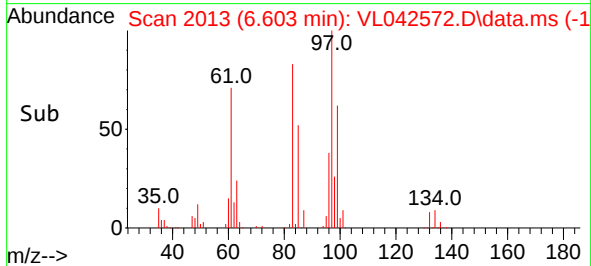
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



Tgt Ion: 97 Resp: 149149
Ion Ratio Lower Upper
97 100
83 83.3 65.0 97.4
85 52.3 39.9 59.9
99 62.5 49.4 74.0

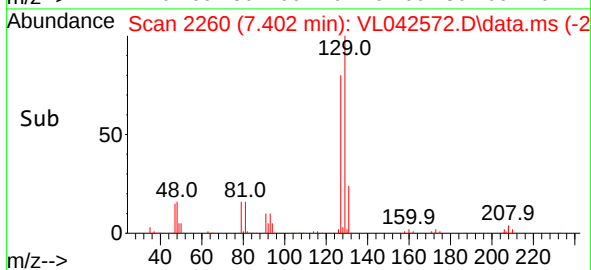
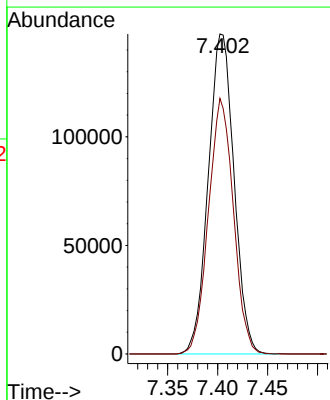
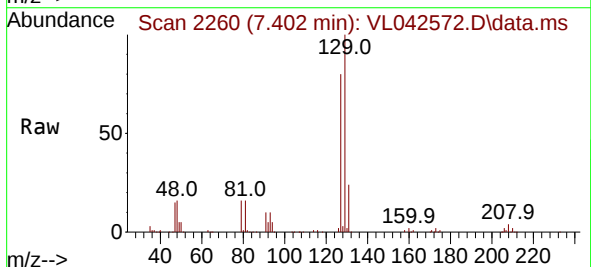
Manual Integrations
APPROVED

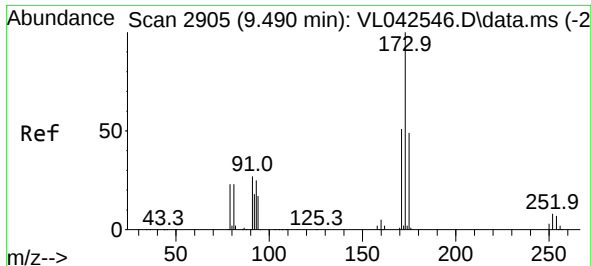
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#48
Dibromochloromethane
Concen: 10.958 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Tgt Ion:129 Resp: 264516
Ion Ratio Lower Upper
129 100
127 77.4 39.0 117.0





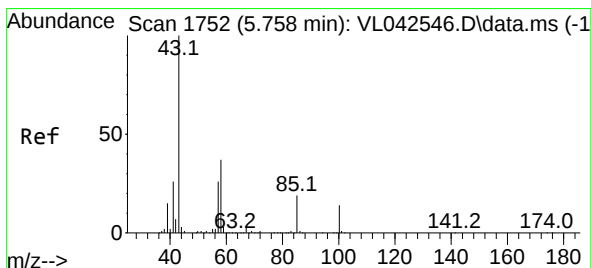
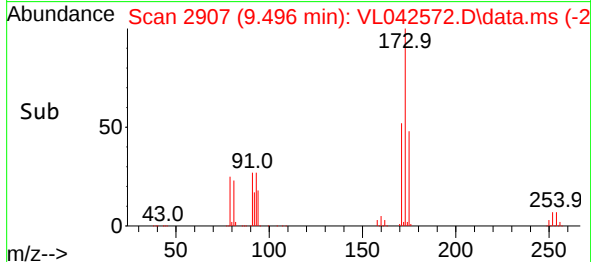
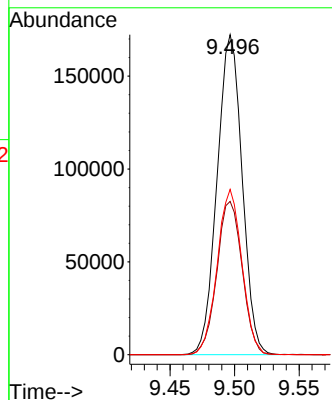
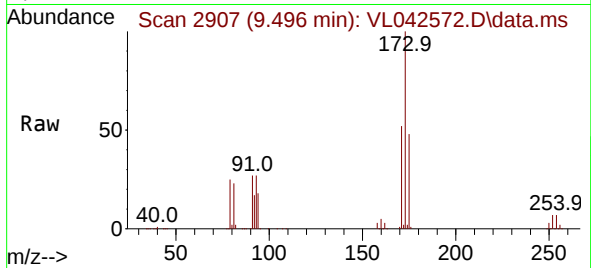
#49
Bromoform
Concen: 11.270 ppbv
RT: 9.496 min Scan# 2905
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 232179
Ion Ratio Lower Upper
173 100
175 48.5 39.2 58.8
171 50.9 41.9 62.9

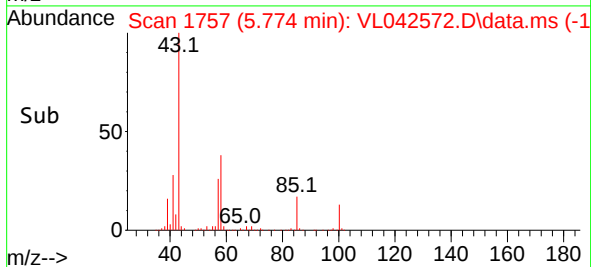
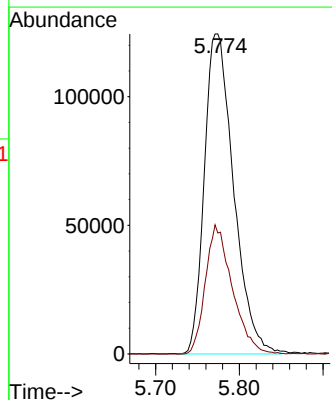
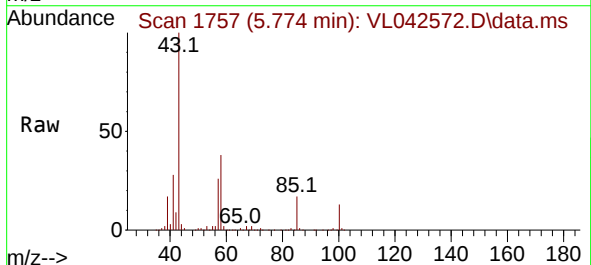
Manual Integrations
APPROVED

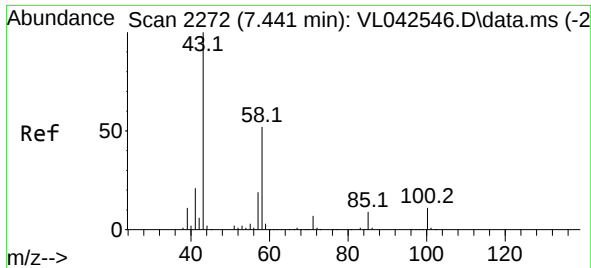
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#50
4-Methyl-2-Pentanone
Concen: 11.584 ppbv
RT: 5.774 min Scan# 1757
Delta R.T. 0.016 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Tgt Ion: 43 Resp: 302440
Ion Ratio Lower Upper
43 100
58 37.1 30.0 45.0





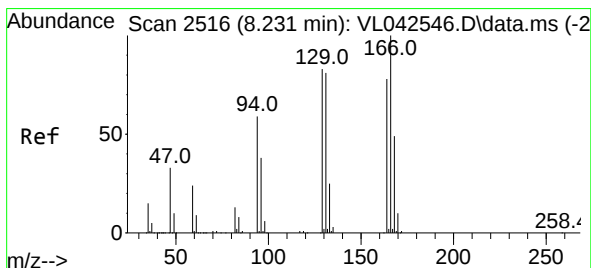
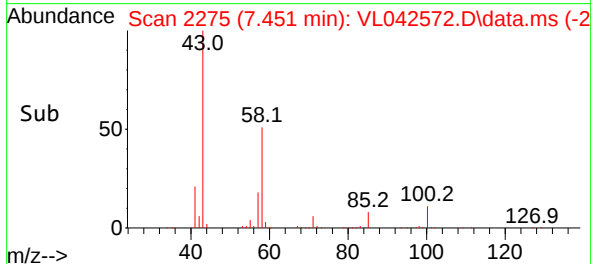
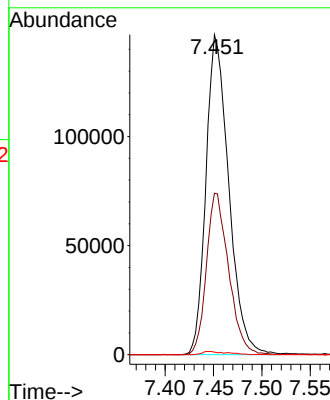
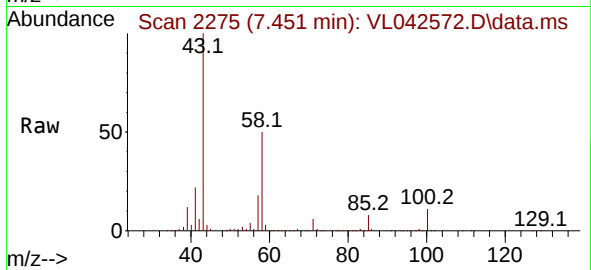
#51
2-Hexanone
Concen: 12.479 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 240290
Ion Ratio Lower Upper
43 100
58 49.1 41.4 62.2
98 1.1 0.4 0.6

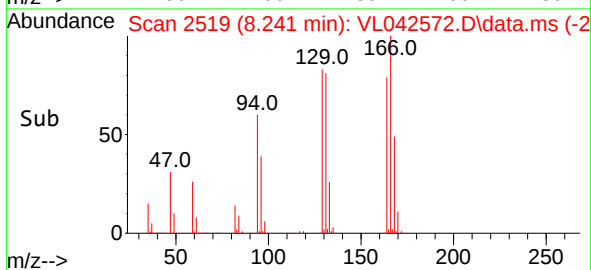
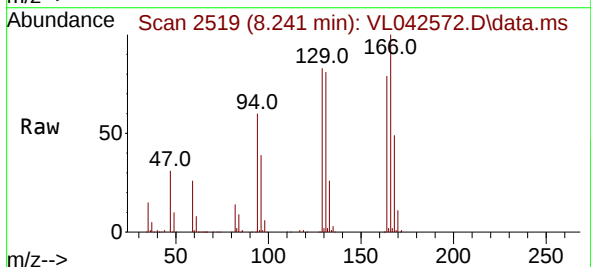
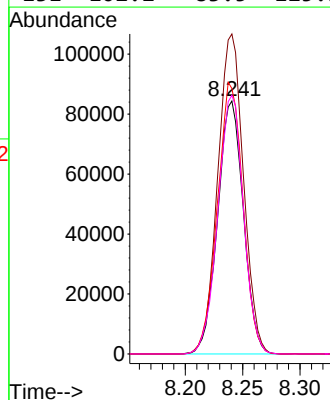
Manual Integrations
APPROVED

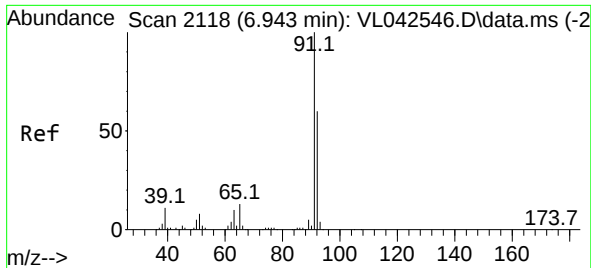
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#52
Tetrachloroethene
Concen: 10.180 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

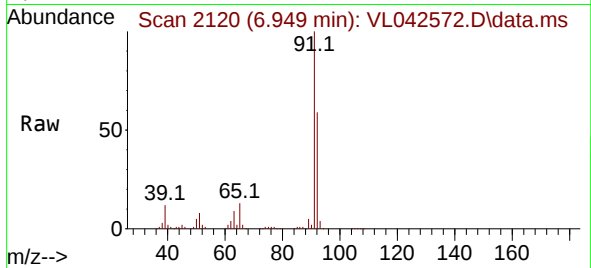
Tgt Ion:164 Resp: 131700
Ion Ratio Lower Upper
164 100
166 126.5 103.1 154.7
129 104.9 85.3 127.9
131 102.2 83.5 125.3





#53
Toluene
Concen: 11.114 ppbv
RT: 6.949 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

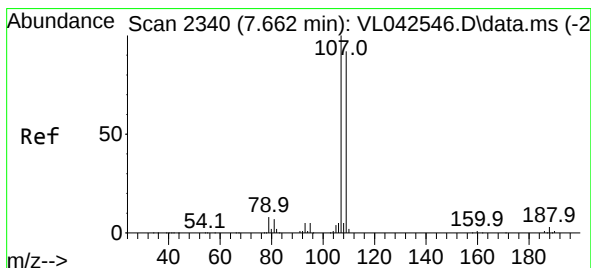
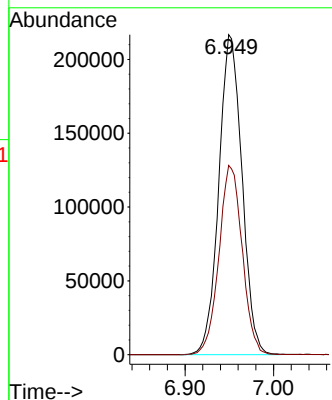
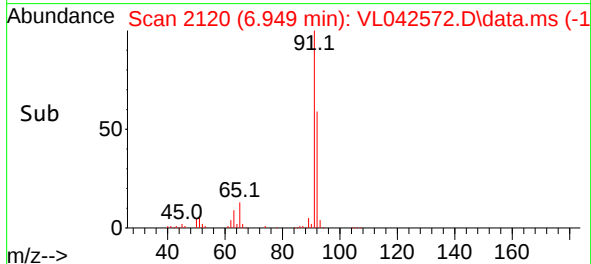
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



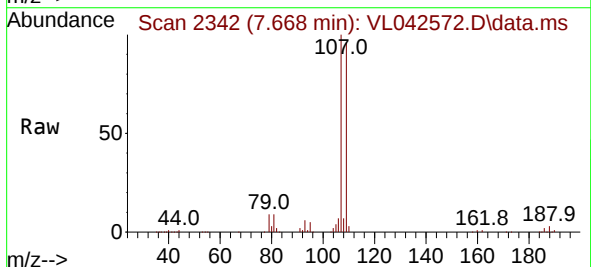
Tgt Ion: 91 Resp: 394109
Ion Ratio Lower Upper
91 100
92 59.5 47.8 71.8

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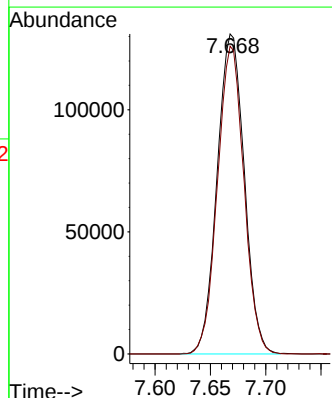
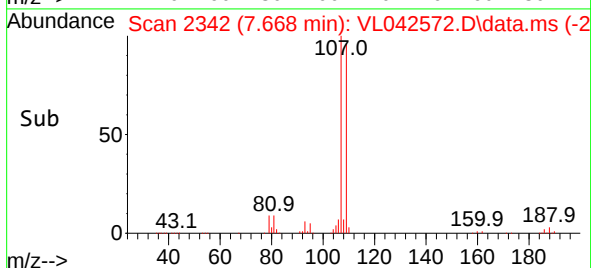
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

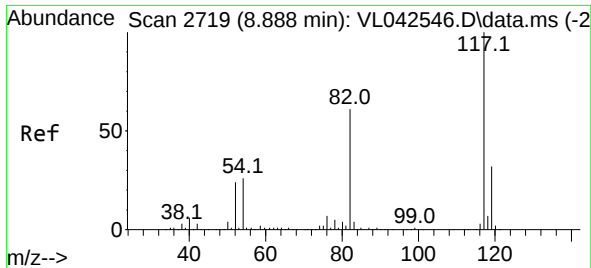


#54
1,2-Dibromoethane
Concen: 10.994 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



Tgt Ion:107 Resp: 223426
Ion Ratio Lower Upper
107 100
109 96.2 73.4 110.2





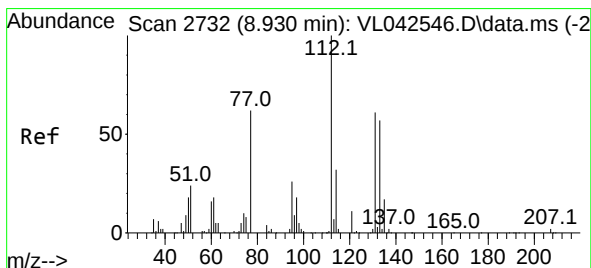
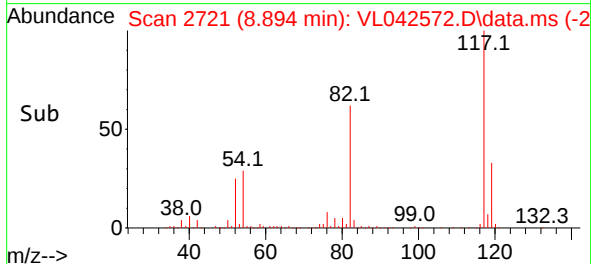
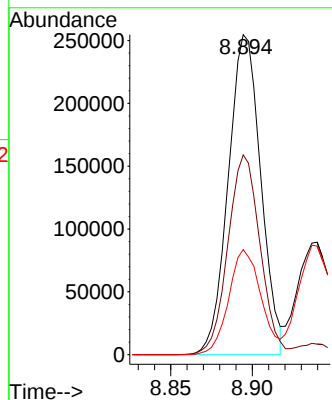
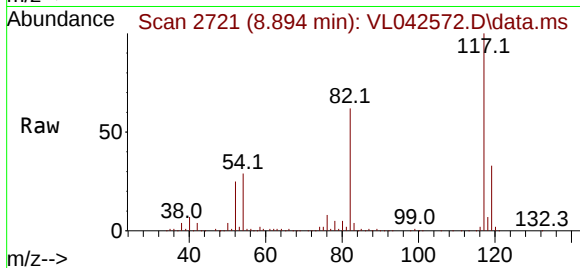
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2719
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 353154
Ion Ratio Lower Upper
117 100
82 65.3 51.0 76.4
119 32.8 27.0 40.4

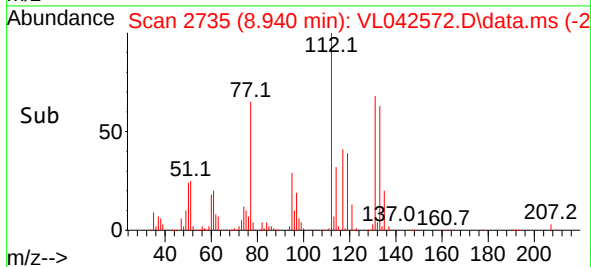
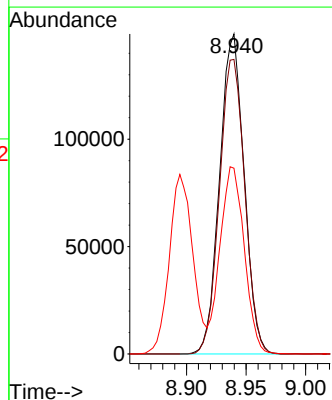
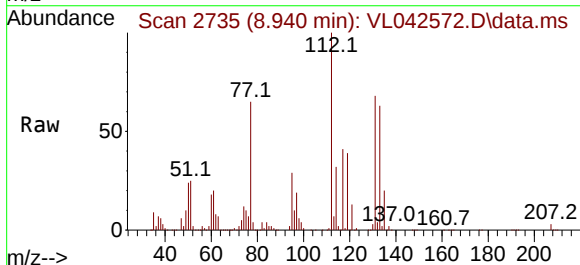
Manual Integrations
APPROVED

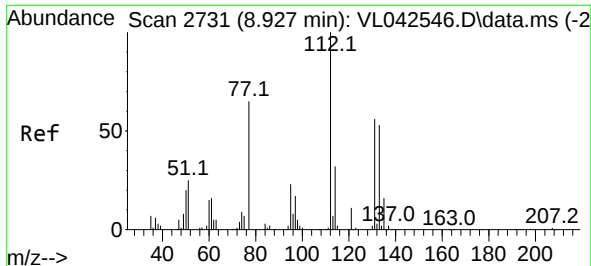
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 11.306 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Tgt Ion:131 Resp: 212865
Ion Ratio Lower Upper
131 100
133 95.1 76.3 114.5
119 56.6 47.5 71.3





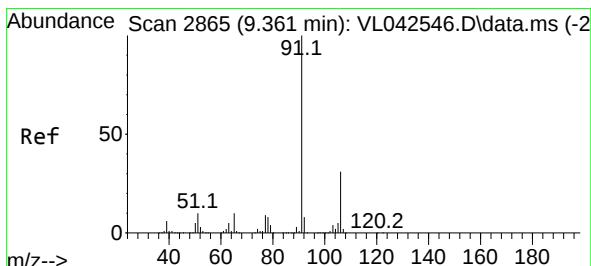
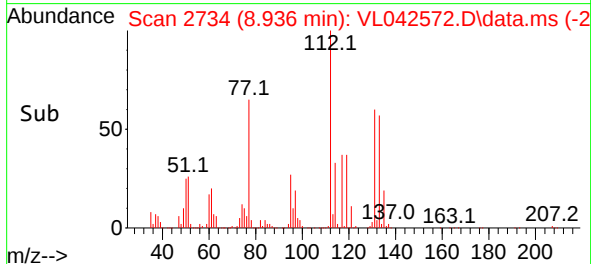
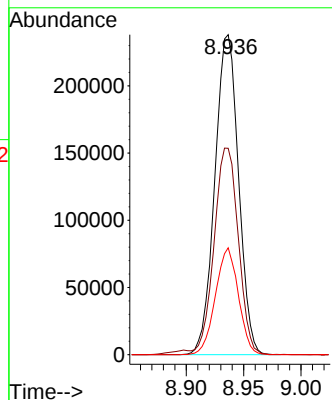
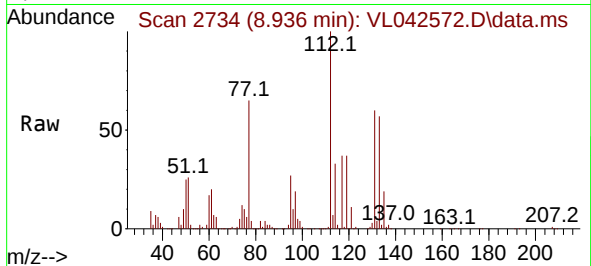
#57
Chlorobenzene
Concen: 10.898 ppbv
RT: 8.936 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 34282
Ion Ratio Lower Upper
112 100
77 64.5 53.2 79.8
114 33.4 28.4 34.8

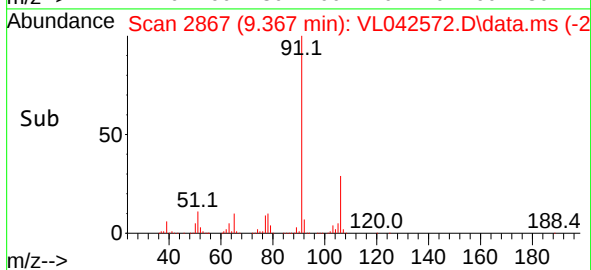
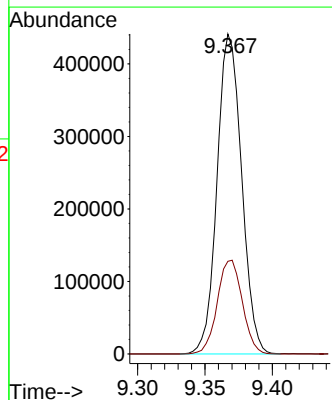
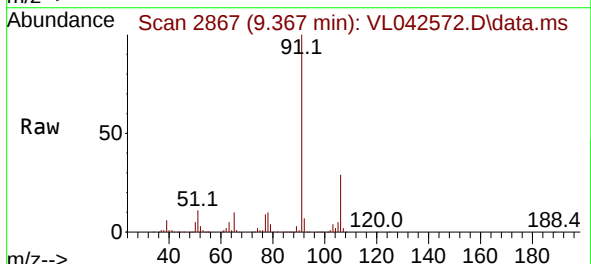
Manual Integrations
APPROVED

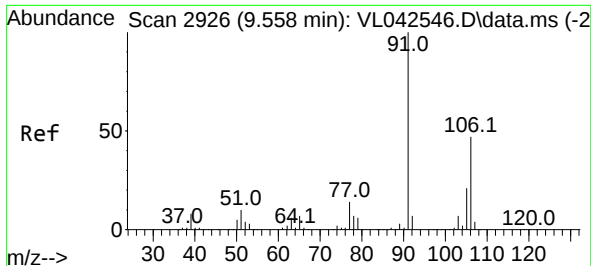
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#58
Ethyl Benzene
Concen: 12.091 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Tgt Ion: 91 Resp: 558983
Ion Ratio Lower Upper
91 100
106 28.9 24.6 37.0





#59

m/p-Xylene

Concen: 24.773 ppbv m

RT: 9.564 min Scan# 2926

Delta R.T. 0.006 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 97796

Ion Ratio Lower Upper

91 100

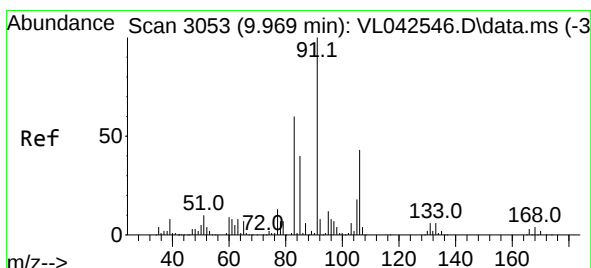
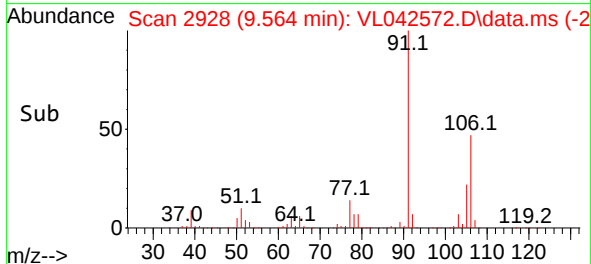
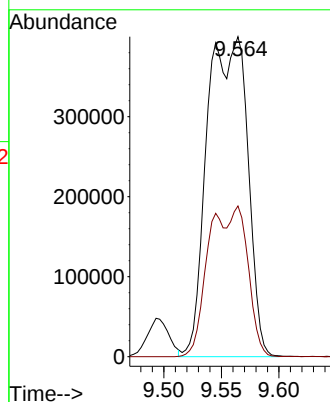
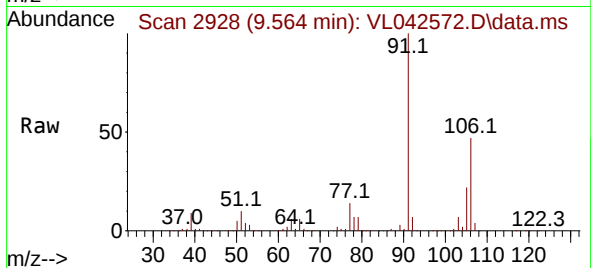
106 45.6 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#60

o-Xylene

Concen: 12.543 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. 0.006 min

Lab File: VL042572.D

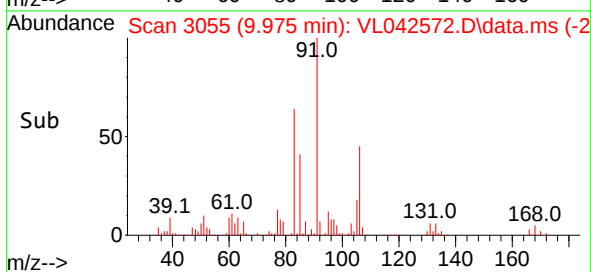
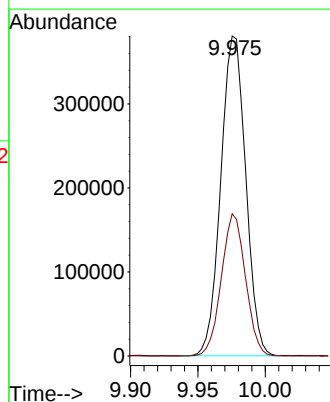
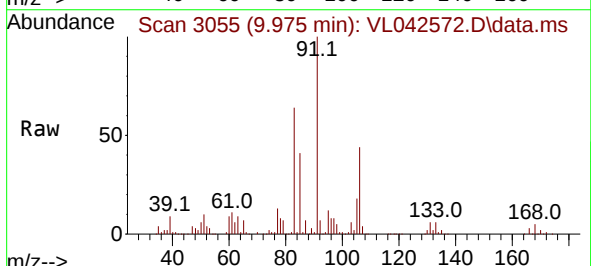
Acq: 22 May 2025 09:22

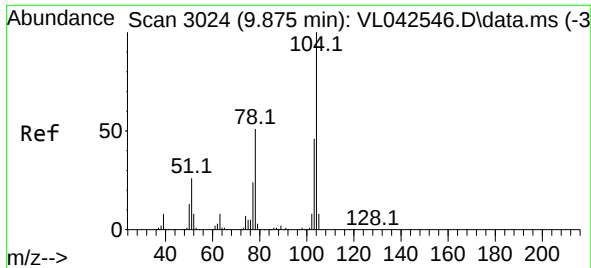
Tgt Ion: 91 Resp: 490476

Ion Ratio Lower Upper

91 100

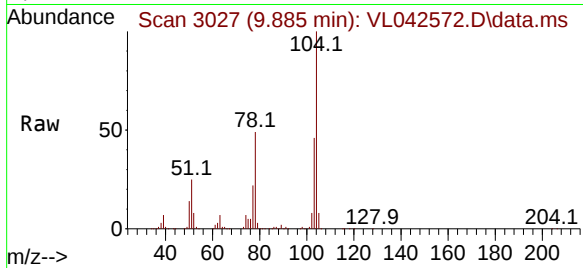
106 43.0 21.6 64.8





#61
Styrene
Concen: 12.341 ppbv
RT: 9.885 min Scan# 3024
Delta R.T. 0.009 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

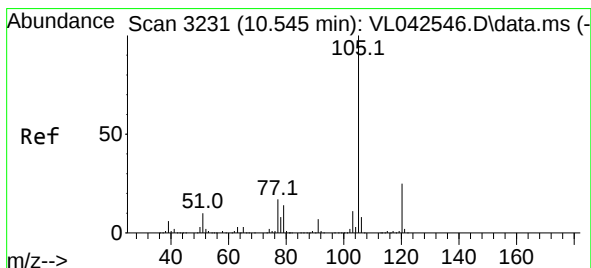
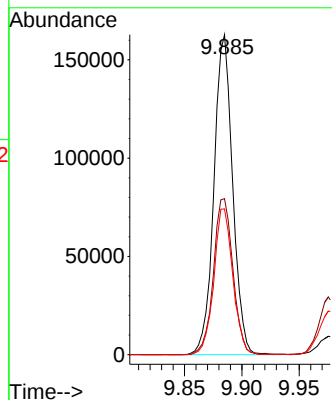
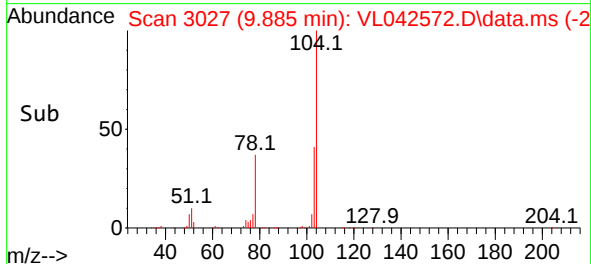
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



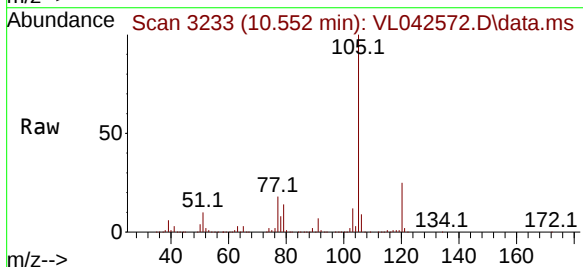
Tgt Ion:104 Resp: 18495
Ion Ratio Lower Upper
104 100
78 50.8 39.2 58.8
103 46.4 37.1 55.7

Manual Integrations
APPROVED

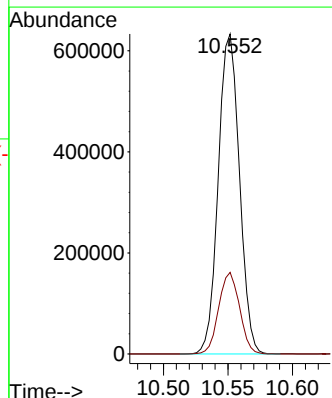
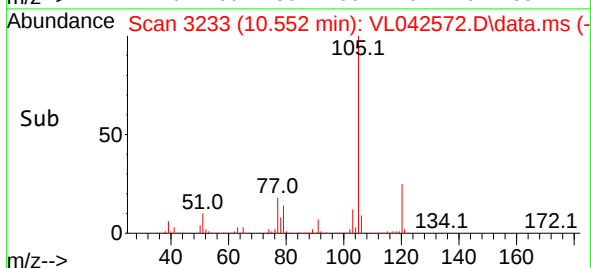
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

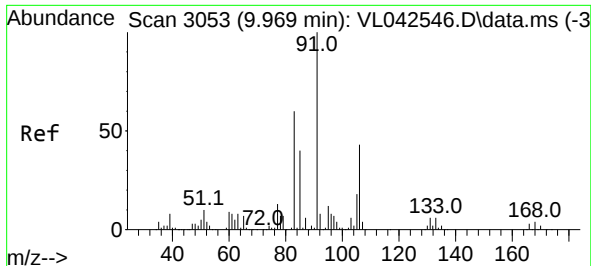


#62
Isopropylbenzene
Concen: 12.050 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



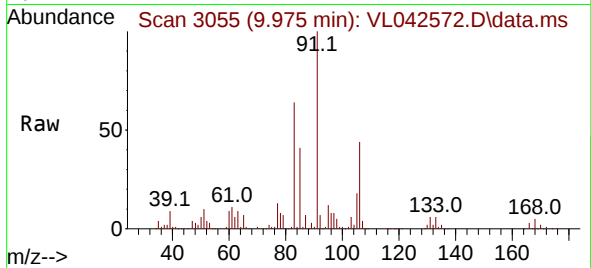
Tgt Ion:105 Resp: 720910
Ion Ratio Lower Upper
105 100
120 25.1 20.0 30.0





#63
1,1,2,2-Tetrachloroethane
Concen: 11.651 ppbv
RT: 9.975 min Scan# 3053
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

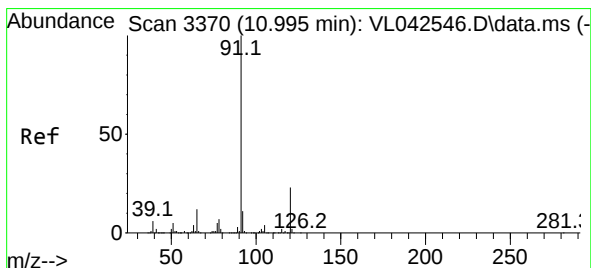
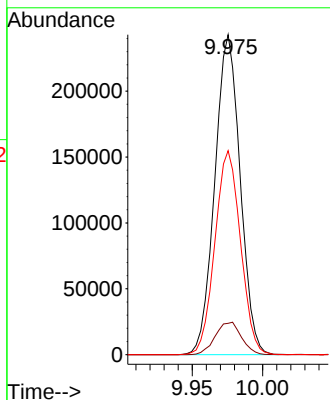
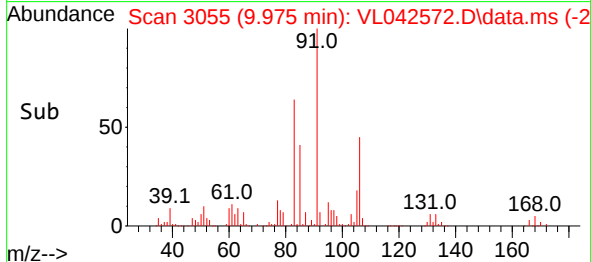
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



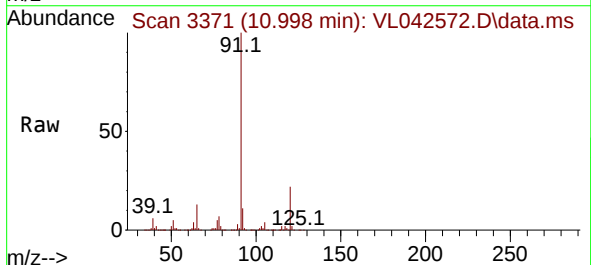
Tgt Ion: 83 Resp: 304439
Ion Ratio Lower Upper
83 100
131 10.5 5.1 15.3
85 64.4 32.5 97.4

Manual Integrations
APPROVED

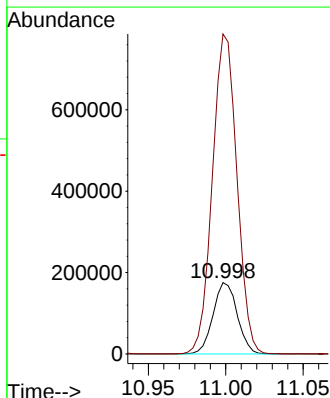
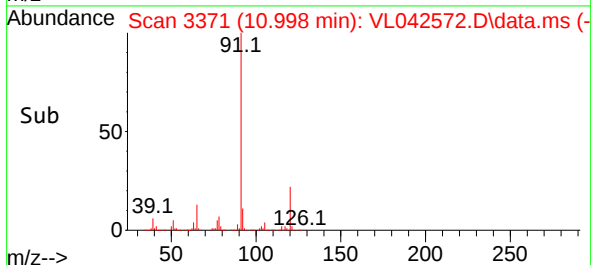
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

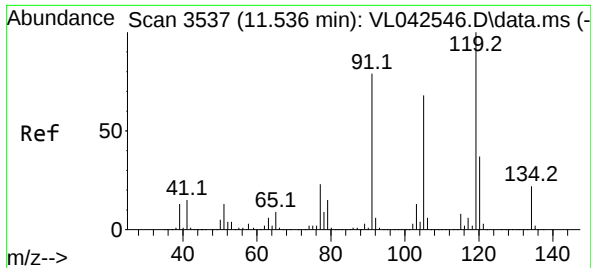


#64
n-propylbenzene
Concen: 12.752 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



Tgt Ion:120 Resp: 190040
Ion Ratio Lower Upper
120 100
91 456.6 367.0 550.4





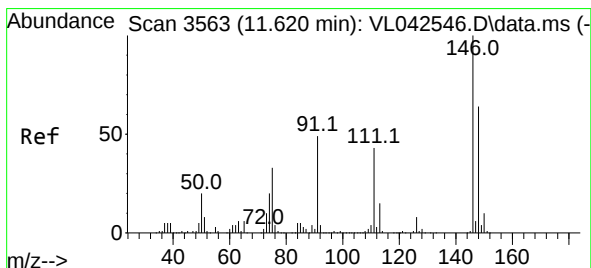
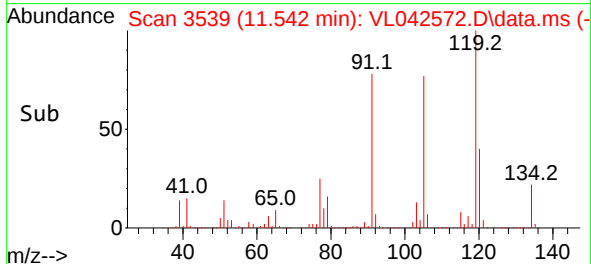
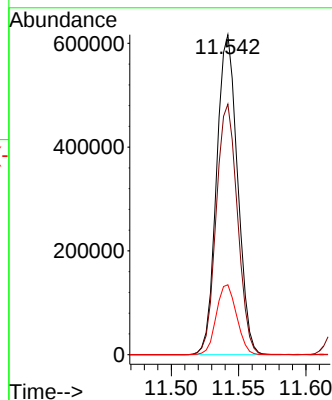
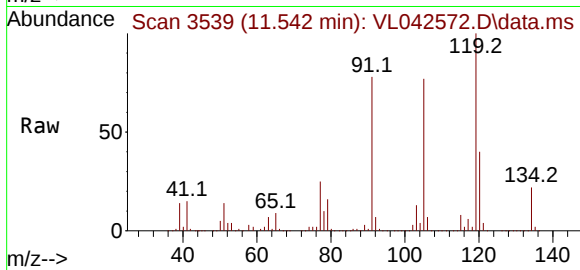
#65
tert-Butylbenzene
Concen: 12.397 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 667139
Ion Ratio Lower Upper
119 100
91 79.4 62.7 94.1
134 21.2 16.8 25.2

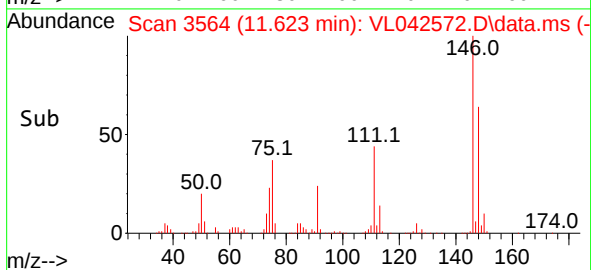
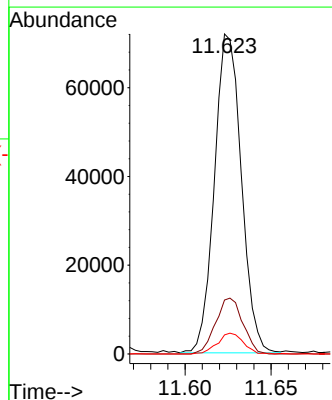
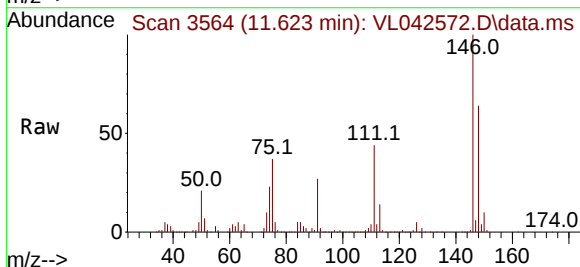
Manual Integrations
APPROVED

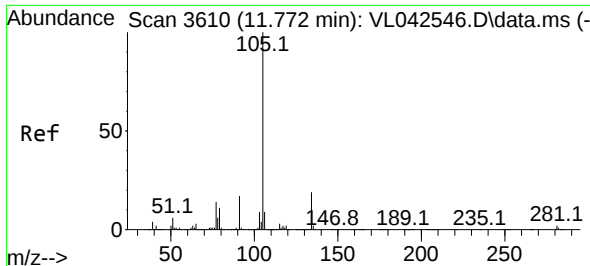
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#66
Benzyl Chloride
Concen: 11.600 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

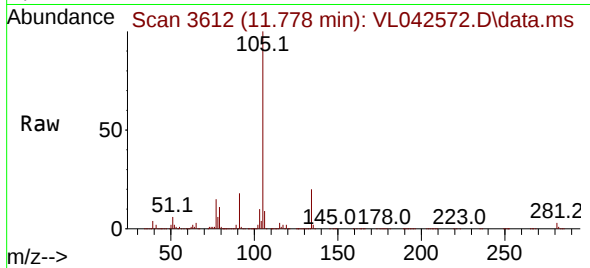
Tgt Ion: 91 Resp: 78100
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.2
128 6.3 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 12.052 ppbv
 RT: 11.778 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

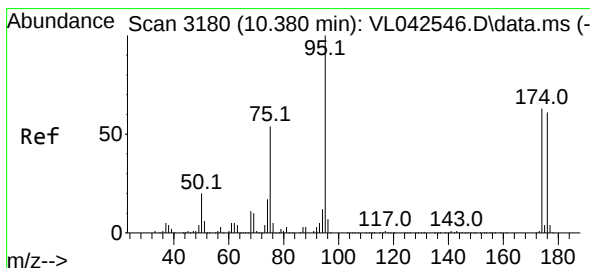
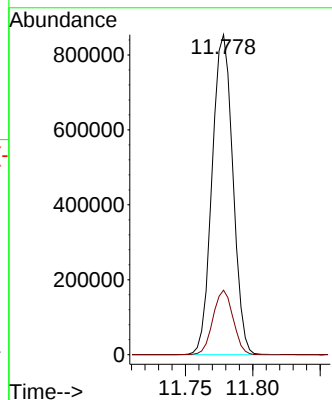
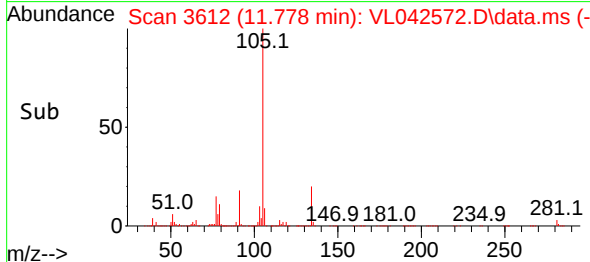
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



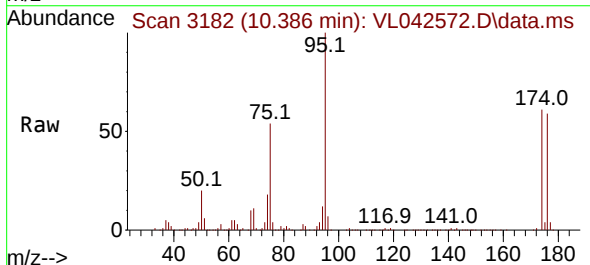
Tgt Ion:105 Resp: 915470
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.4 23.2

Manual Integrations
 APPROVED

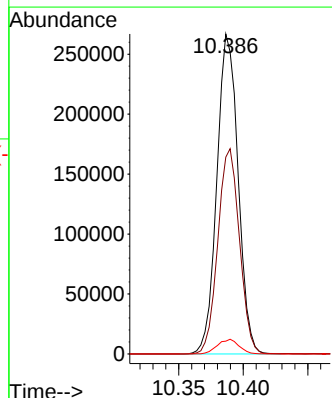
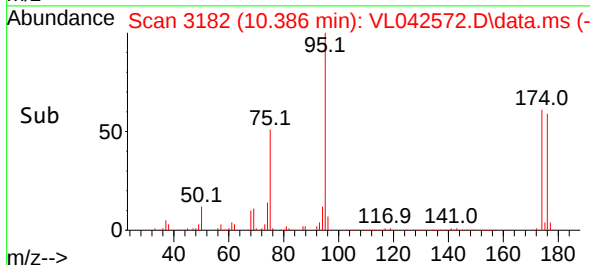
Reviewed By :Semsettin Yesilyurt 05/23/2025
 Supervised By :Mahesh Dadoda 05/23/2025

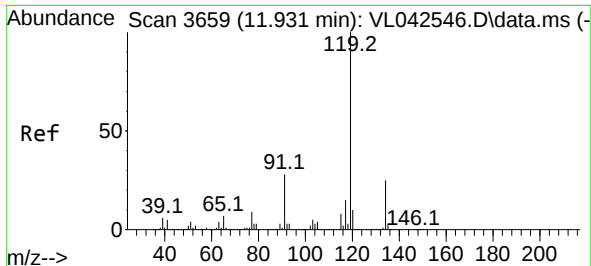


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.775 ppbv
 RT: 10.386 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22



Tgt Ion: 95 Resp: 304559
 Ion Ratio Lower Upper
 95 100
 174 65.5 52.0 78.0
 175 4.7 3.8 5.6





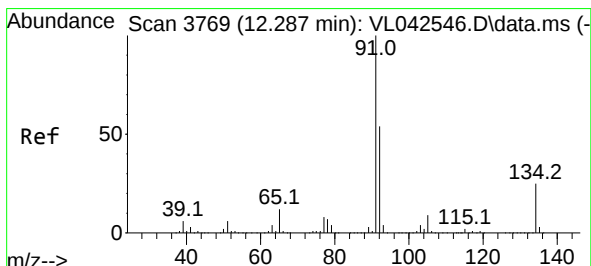
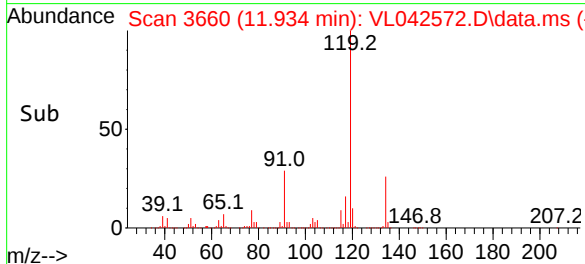
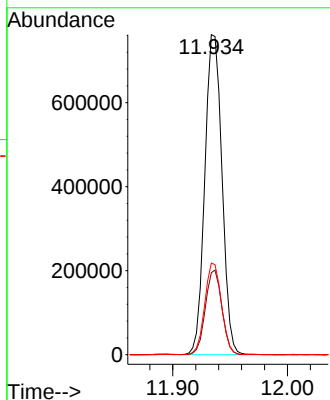
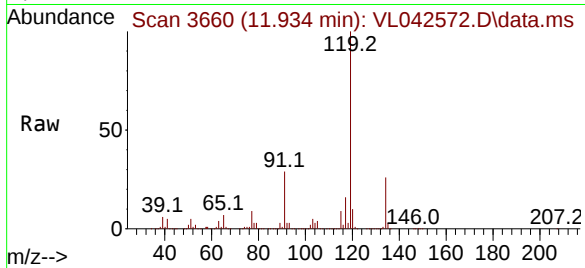
#69
p-Isopropyltoluene
Concen: 12.609 ppbv
RT: 11.934 min Scan# 3659
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 79099
Ion Ratio Lower Upper
119 100
134 25.6 20.1 30.1
91 28.0 22.3 33.5

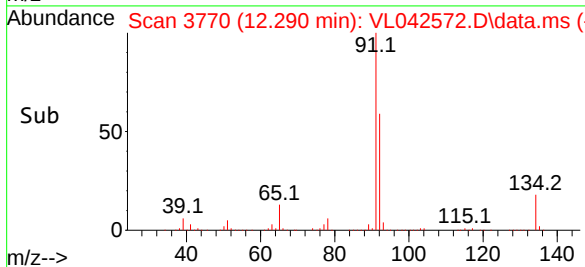
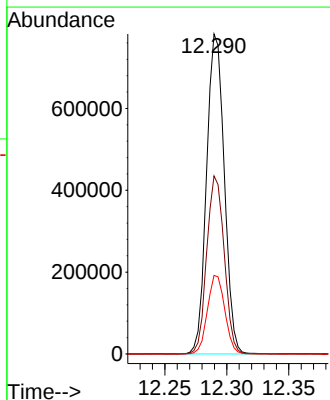
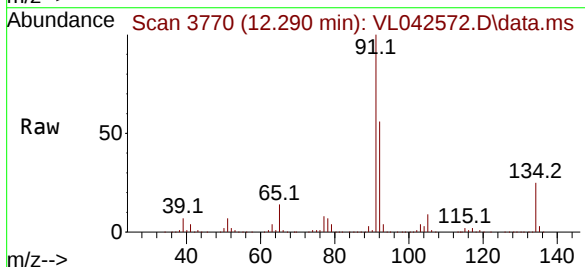
Manual Integrations
APPROVED

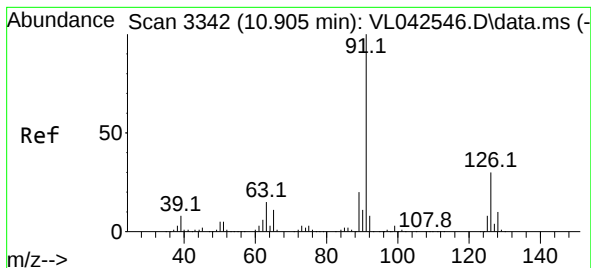
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025



#70
n-Butylbenzene
Concen: 13.137 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

Tgt Ion: 91 Resp: 778652
Ion Ratio Lower Upper
91 100
92 54.9 43.8 65.6
134 24.1 19.7 29.5





#71

2-Chlorotoluene

Concen: 12.296 ppbv

RT: 10.911 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 529456

Ion Ratio Lower Upper

91 100

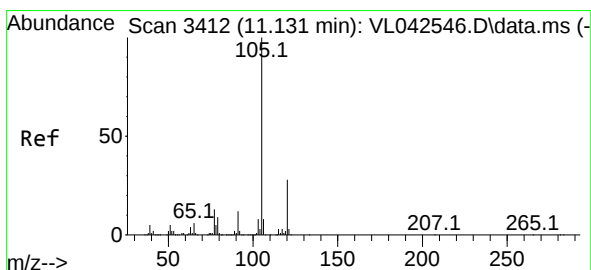
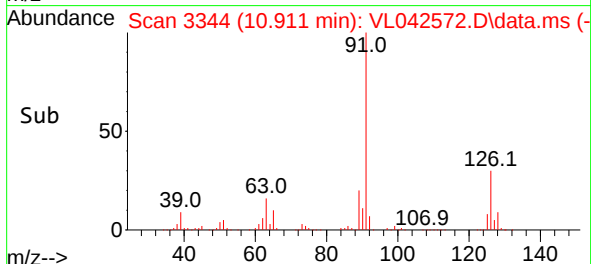
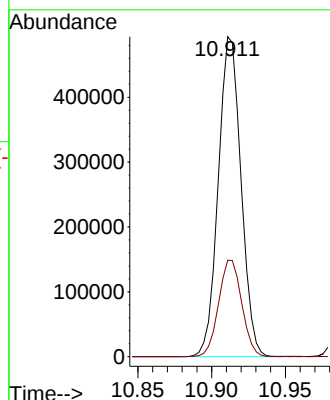
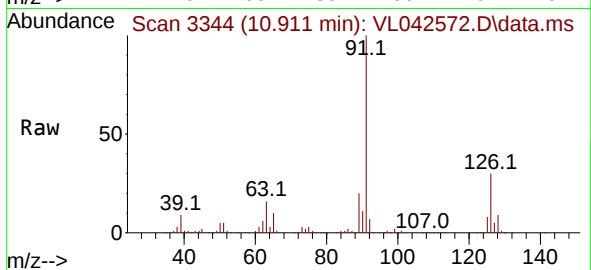
126 30.7 12.4 49.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#72

4-Ethyltoluene

Concen: 12.728 ppbv

RT: 11.134 min Scan# 3413

Delta R.T. 0.003 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Tgt Ion:105 Resp: 614648

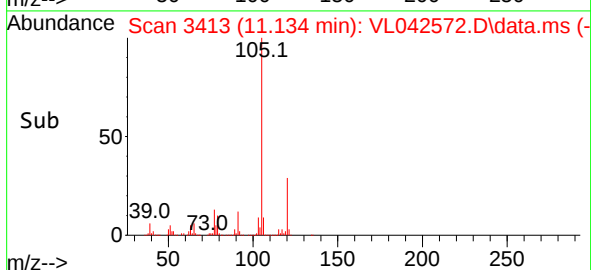
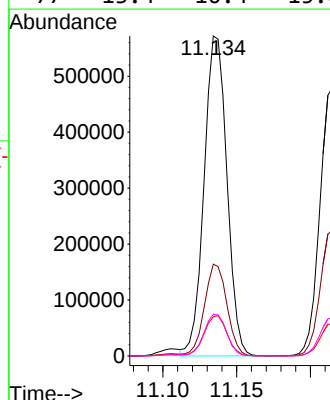
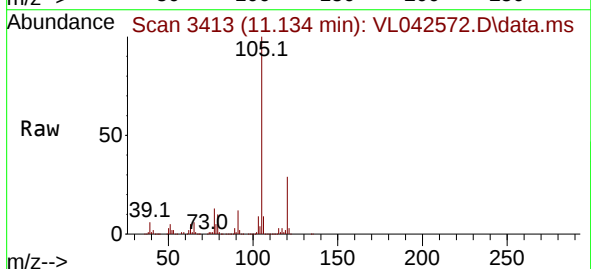
Ion Ratio Lower Upper

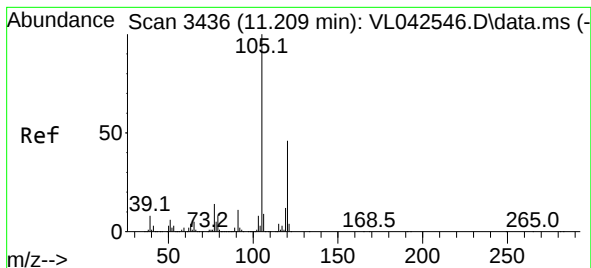
105 100

120 28.9 23.4 35.0

91 13.1 10.2 15.4

77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 12.282 ppbv

RT: 11.215 min Scan# 3436

Delta R.T. 0.006 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 51307

Ion Ratio Lower Upper

105 100

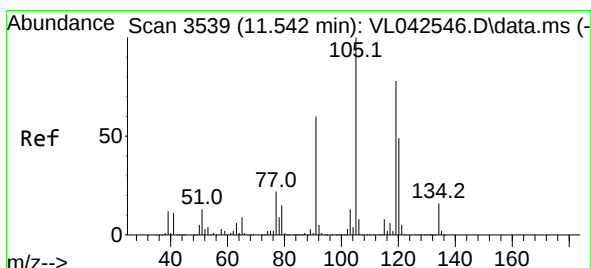
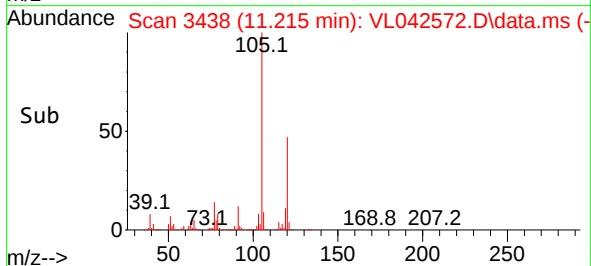
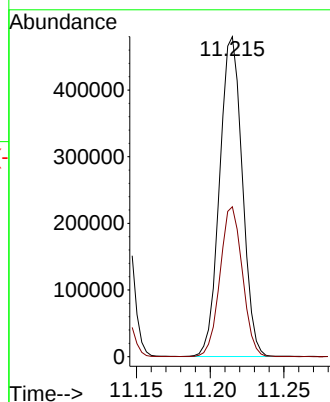
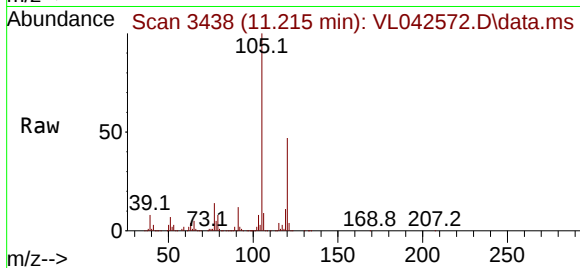
120 46.9 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/23/2025

Supervised By :Mahesh Dadoda 05/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 11.818 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.003 min

Lab File: VL042572.D

Acq: 22 May 2025 09:22

Tgt Ion:105 Resp: 595329

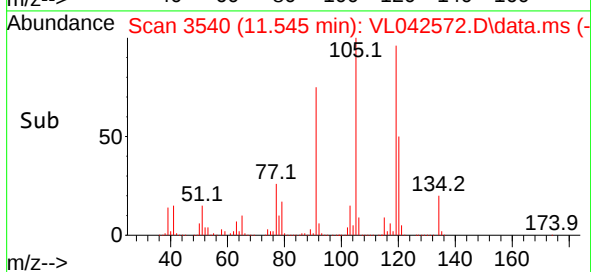
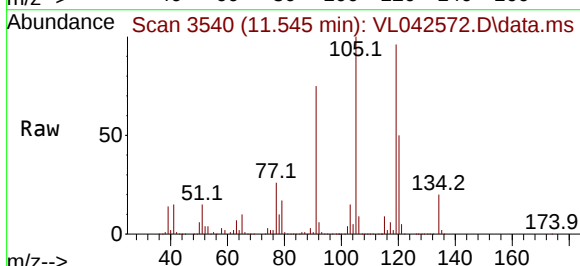
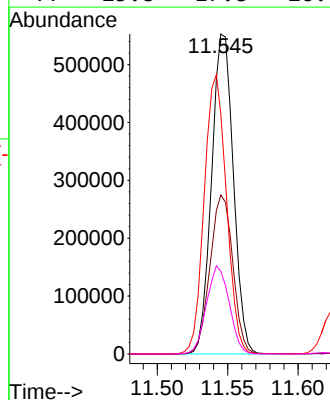
Ion Ratio Lower Upper

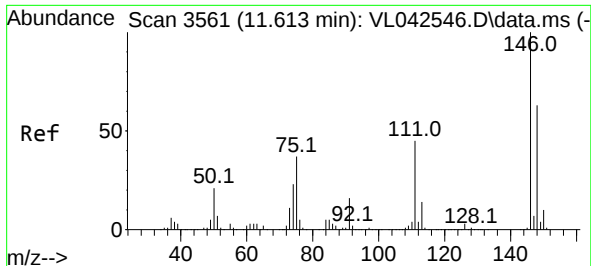
105 100

120 49.6 39.4 59.0

91 74.8 47.8 71.8#

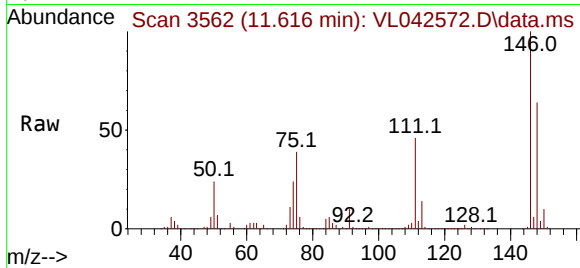
77 25.8 17.8 26.6





#75
1,3-Dichlorobenzene
Concen: 11.622 ppbv
RT: 11.616 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

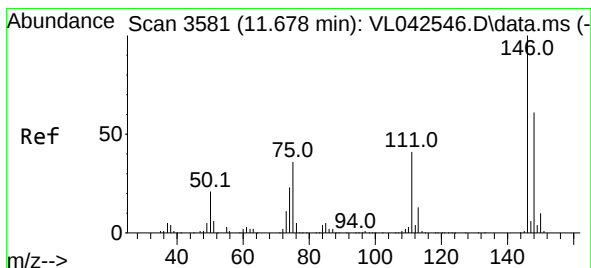
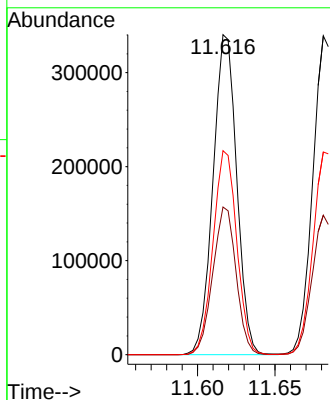
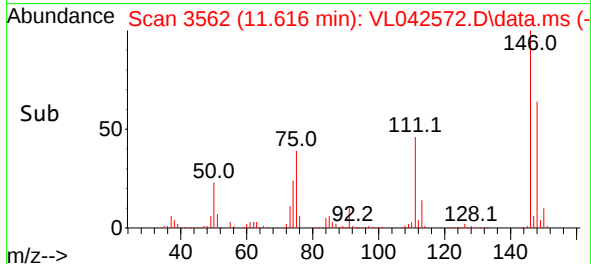
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



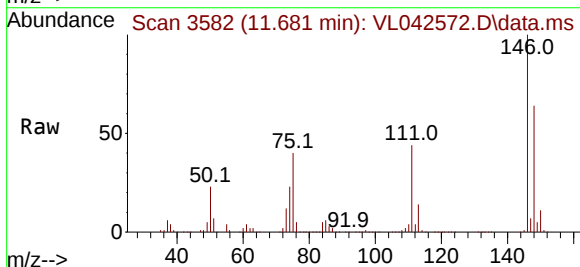
Tgt Ion:146 Resp: 361329
Ion Ratio Lower Upper
146 100
111 45.4 22.8 68.4
148 64.0 31.6 94.8

Manual Integrations
APPROVED

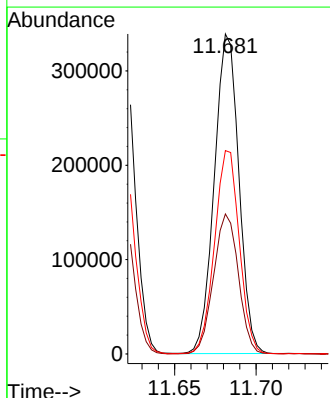
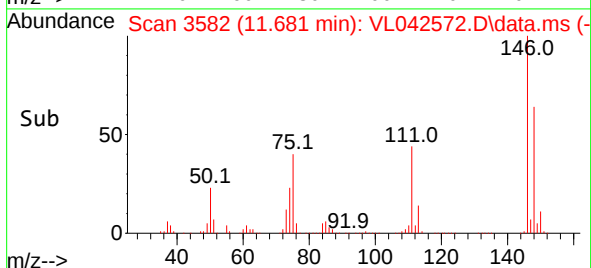
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

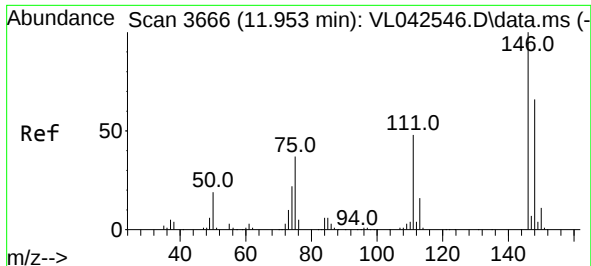


#76
1,4-Dichlorobenzene
Concen: 11.741 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



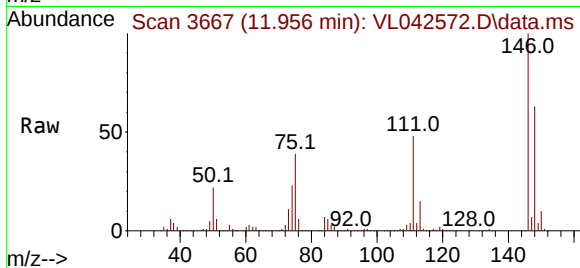
Tgt Ion:146 Resp: 354489
Ion Ratio Lower Upper
146 100
111 44.6 21.8 65.3
148 64.4 31.4 94.3





#77
1,2-Dichlorobenzene
Concen: 11.508 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.003 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

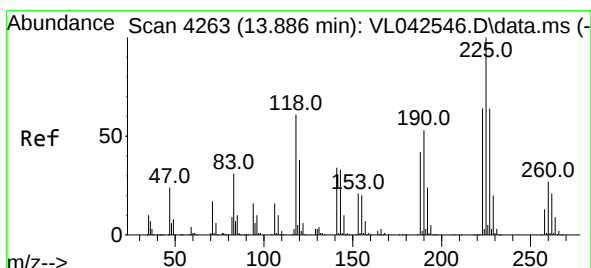
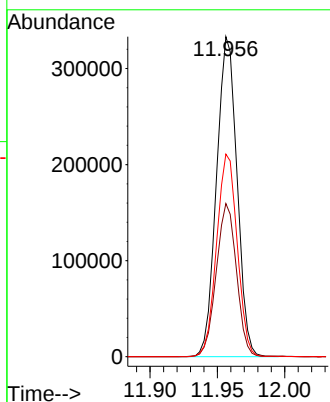
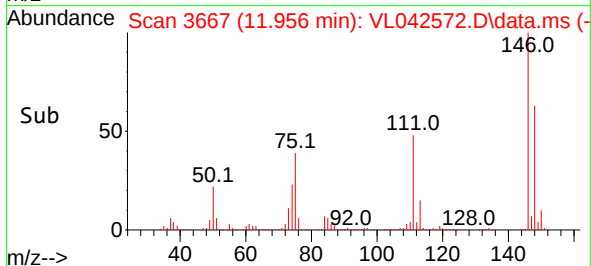
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



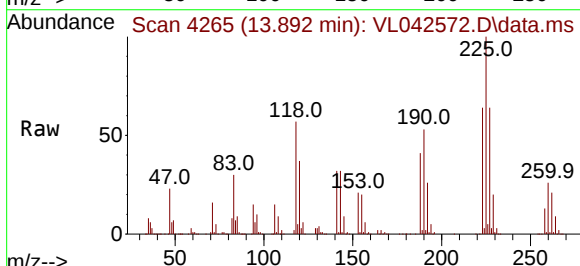
Tgt Ion:146 Resp: 352518
Ion Ratio Lower Upper
146 100
111 47.2 23.7 71.1
148 63.8 32.3 96.9

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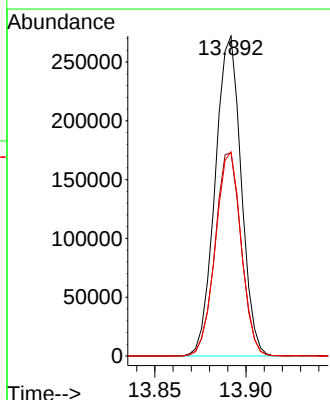
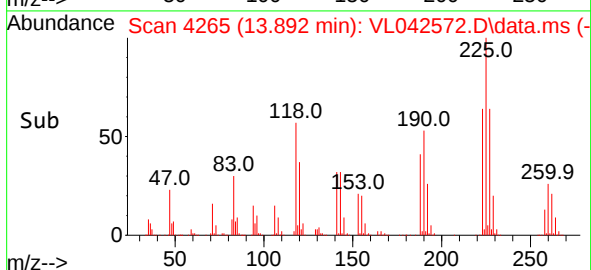
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

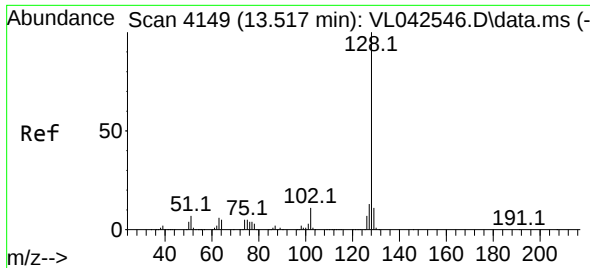


#78
Hexachloro-1,3-Butadiene
Concen: 10.665 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



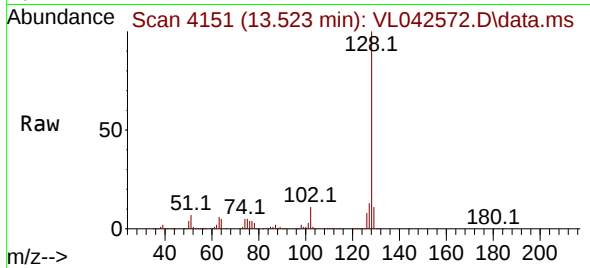
Tgt Ion:225 Resp: 269838
Ion Ratio Lower Upper
225 100
223 63.9 51.0 76.6
227 63.5 50.2 75.4





#79
Naphthalene
Concen: 14.180 ppbv
RT: 13.523 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22

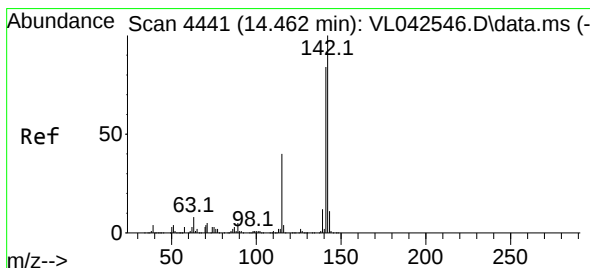
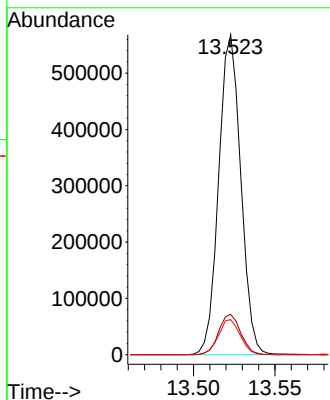
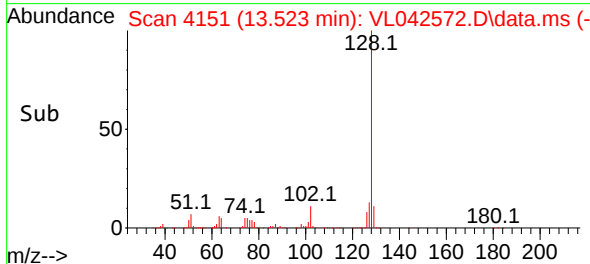
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010



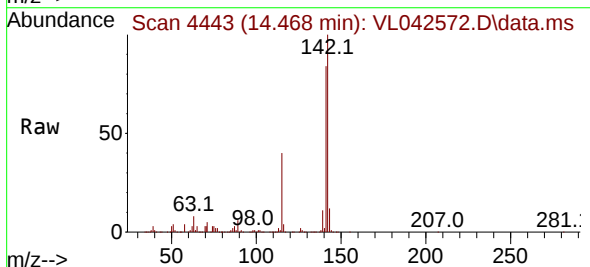
Tgt Ion:128 Resp: 53523
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.9 9.0 13.4

Manual Integrations
APPROVED

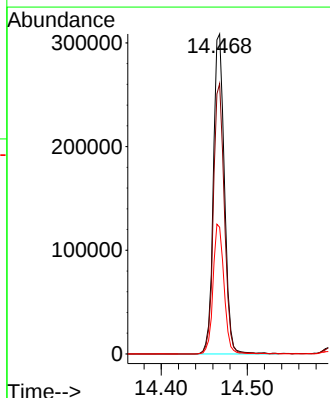
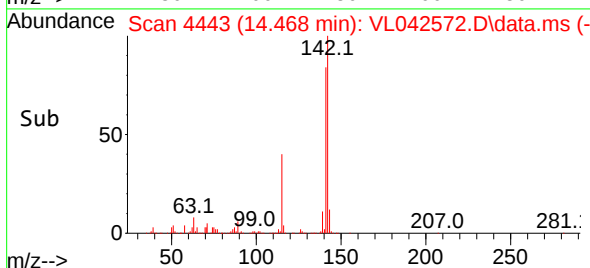
Reviewed By :Semsettin Yesilyurt 05/23/2025
Supervised By :Mahesh Dadoda 05/23/2025

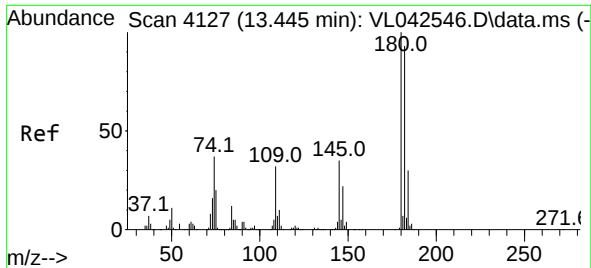


#80
Naphthalene,2-methyl-
Concen: 14.149 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.006 min
Lab File: VL042572.D
Acq: 22 May 2025 09:22



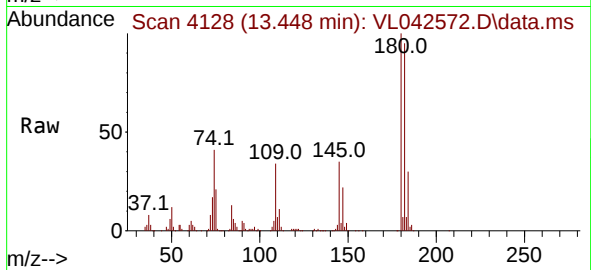
Tgt Ion:142 Resp: 275160
Ion Ratio Lower Upper
142 100
141 84.1 67.4 101.0
115 40.4 31.5 47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 12.671 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042572.D
 Acq: 22 May 2025 09:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 28728
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.6 113.4
 184 30.2 23.7 35.5

Manual Integrations
 APPROVED

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

