

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042546.D
 Acq On : 20 May 2025 09:12
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:24:09 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2025

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	120933	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	411974	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	367493	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 298085 10.135 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	212032	9.376	ppbv	100
3) Chlorodifluoromethane	1.476	51	178000	9.555	ppbv	100
4) Chloromethane	1.535	50	68379	9.385	ppbv	100
5) Vinyl Chloride	1.580	62	72897	9.075	ppbv	100
6) Bromomethane	1.671	94	44344	9.596	ppbv	100
7) Chloroethane	1.706	64	30407	9.414	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	182388	9.521	ppbv	100
9) Propene	1.486	41	64322	9.933	ppbv	100
10) Heptane	4.988	43	183291	10.744	ppbv	100
11) Trichlorofluoromethane	1.878	101	222051	9.404	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	2.143	101	181177	9.518	ppbv	100
13) Ethanol	1.722	45	7286	7.762	ppbv	100
14) Bromoethene	1.784	108	67627	9.404	ppbv	100
15) Acetone	1.836	43	135337	8.031	ppbv	100
16) 1,3-Butadiene	1.609	39	63306	9.253	ppbv	100
17) tert-Butyl alcohol	2.043	59	193722	9.947	ppbv	100
18) 1,1-Dichloroethene	2.036	96	81674	9.495	ppbv	100
19) Isopropyl Alcohol	1.887	45	92795	9.683	ppbv	100
20) Methylene Chloride	2.062	84	69425	8.508	ppbv	100
21) Allyl Chloride	2.098	41	105332	9.758	ppbv	100
22) trans-1,2-Dichloroethene	2.344	96	92908	9.730	ppbv	100
23) Vinyl Acetate	2.467	43	197396	10.090	ppbv	100
24) 1,1-Dichloroethane	2.412	63	157576	9.628	ppbv	100
25) Ethyl Acetate	2.839	43	337411	10.357	ppbv	100
26) Hexane	2.829	57	155381	10.549	ppbv	100
27) Carbon Disulfide	2.153	76	213850	10.023	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	95511	9.623	ppbv	100
29) Chloroform	2.852	83	268571	9.642	ppbv	100
30) Cyclohexane	3.862	84	140511	11.027	ppbv	100
31) cis-1,2-Dichloroethene	2.722	61	164131	10.135	ppbv	100
32) 1,1,1-Trichloroethane	3.373	97	280218	9.844	ppbv	100
34) 2-Butanone	2.561	43	212000	9.694	ppbv	100
35) Carbon Tetrachloride	3.768	117	299447	9.536	ppbv	100
36) Benzene	3.661	78	339567	10.185	ppbv	100
37) 1,2-Dichloroethane	3.224	62	196002	9.622	ppbv	100
38) Trichloroethene	4.554	130	151528	9.959	ppbv	100
39) 1,2-Dichloropropane	4.321	63	115351	9.858	ppbv	100
40) 1,4-Dioxane	4.587	88	57112	10.849	ppbv #	98
41) Tetrahydrofuran	3.056	42	115659	10.849	ppbv	100
42) Bromodichloromethane	4.496	83	291398	10.141	ppbv	100
43) Methyl Methacrylate	4.888	69	127722	11.312	ppbv	100
44) 2,2,4-Trimethylpentane	4.645	57	536753	10.532	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	163637	11.360	ppbv	100

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Quant Time: May 20 23:24:09 2025

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

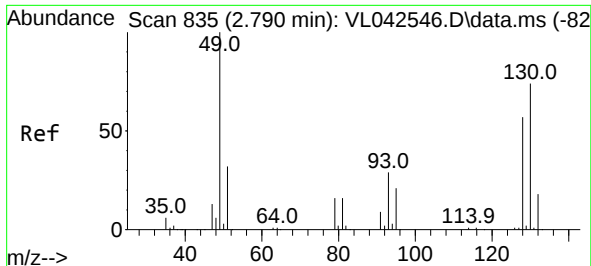
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue May 20 23:22:25 2025

Response via : Initial Calibration

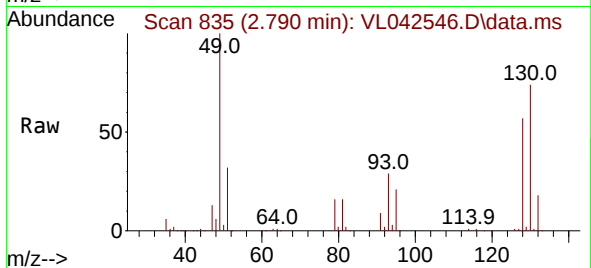
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	196277	11.227	ppbv	100
47) 1,1,2-Trichloroethane	6.590	97	137930	9.839	ppbv	100
48) Dibromochloromethane	7.393	129	252105	10.392	ppbv	100
49) Bromoform	9.490	173	218558	10.556	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	289347	11.049	ppbv	100
51) 2-Hexanone	7.441	43	228279	11.869	ppbv	100
52) Tetrachloroethene	8.231	164	128749	9.903	ppbv	100
53) Toluene	6.943	91	393948	11.054	ppbv	100
54) 1,2-Dibromoethane	7.662	107	214451	10.520	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	191773	9.788	ppbv	100
57) Chlorobenzene	8.927	112	318364	9.725	ppbv	100
58) Ethyl Benzene	9.361	91	547642	11.383	ppbv	100
59) m/p-Xylene	9.558	91	897860m	21.881	ppbv	
60) o-Xylene	9.969	91	450867	11.099	ppbv	100
61) Styrene	9.875	104	193332	12.413	ppbv	100
62) Isopropylbenzene	10.545	105	669863	10.760	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	269334	9.958	ppbv	100
64) n-propylbenzene	10.995	120	171709	11.072	ppbv	100
65) tert-Butylbenzene	11.536	119	607642	10.851	ppbv	100
66) Benzyl Chloride	11.620	91	80291	11.460	ppbv	100
67) sec-Butylbenzene	11.772	105	825238	10.440	ppbv	100
69) p-Isopropyltoluene	11.931	119	719762	11.026	ppbv	100
70) n-Butylbenzene	12.287	91	696250	11.288	ppbv	100
71) 2-Chlorotoluene	10.905	91	496987	11.092	ppbv	100
72) 4-Ethyltoluene	11.131	105	561747	11.179	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	472644	10.873	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	532134	10.152	ppbv	100
75) 1,3-Dichlorobenzene	11.613	146	321956	9.952	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	321061	10.219	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	305857	9.596	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	231291	8.785	ppbv	100
79) Naphthalene	13.517	128	490596	12.504	ppbv	100
80) Naphthalene,2-methyl-	14.462	142	279853	13.834	ppbv	100
81) 1,2,4-Trichlorobenzene	13.445	180	264181	11.197	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

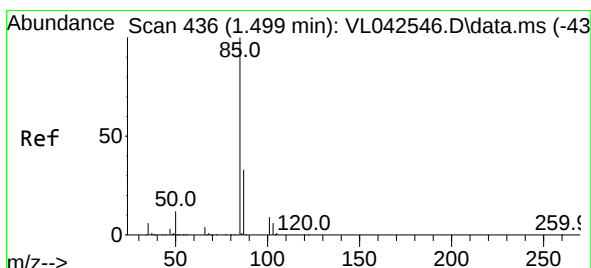
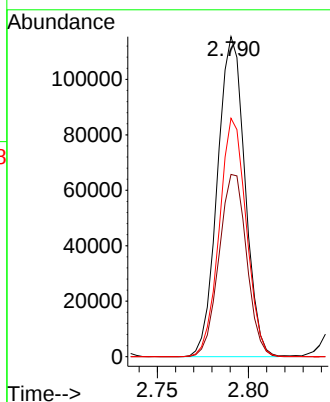
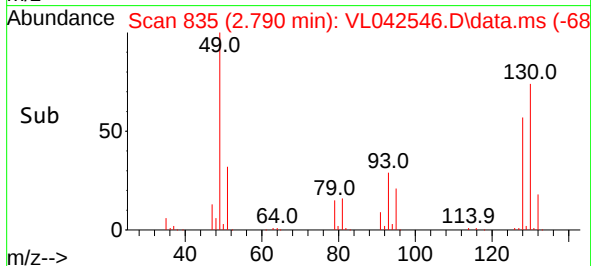
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



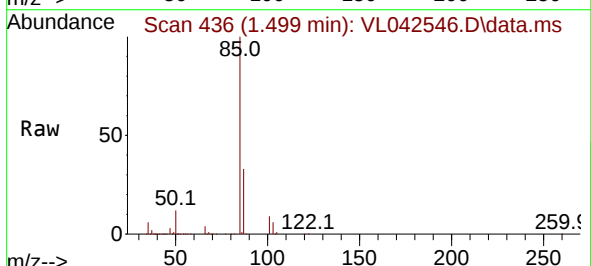
Tgt Ion: 49 Resp: 120933
Ion Ratio Lower Upper
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128 57.2 28.6 85.8
130 73.2 36.6 109.8

Manual Integrations
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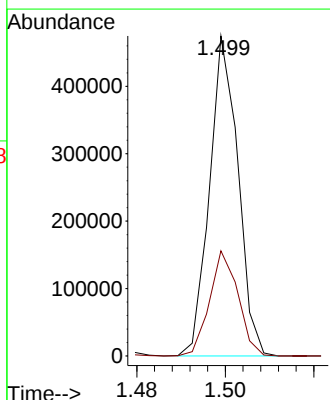
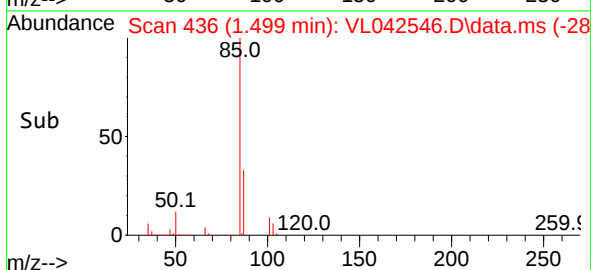
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

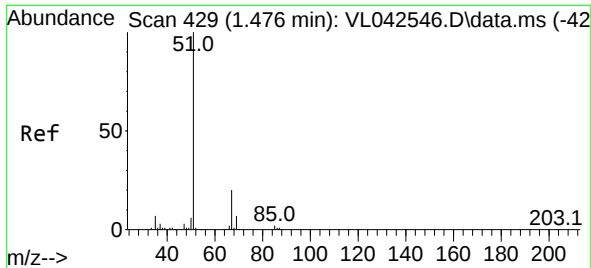


#2
Dichlorodifluoromethane
Concen: 9.376 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



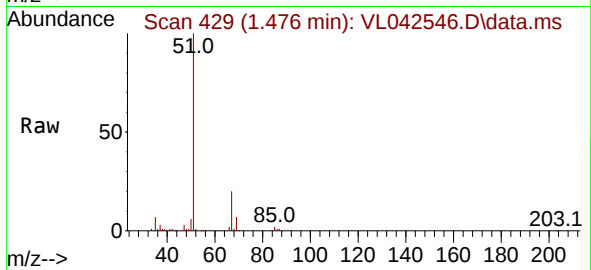
Tgt Ion: 85 Resp: 212032
Ion Ratio Lower Upper
85 100
87 32.8 26.2 39.4





#3
Chlorodifluoromethane
Concen: 9.555 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

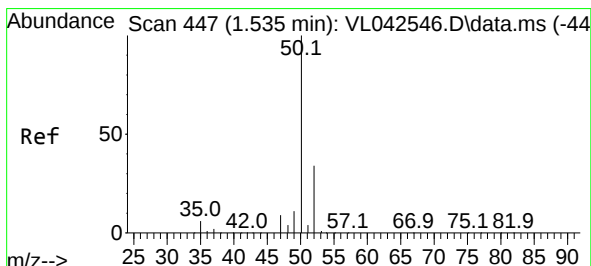
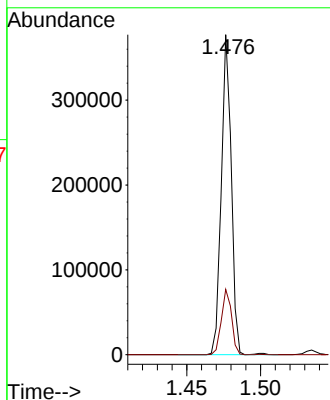
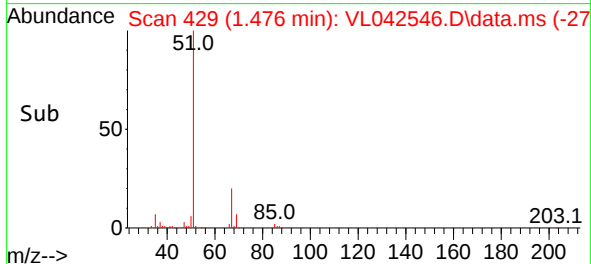
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 51 Resp: 178000
Ion Ratio Lower Upper
51 100
67 20.8 16.6 25.0

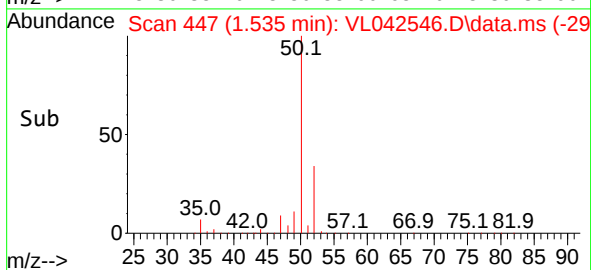
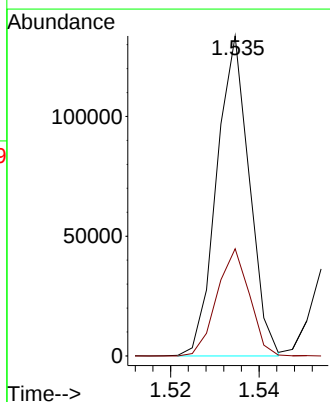
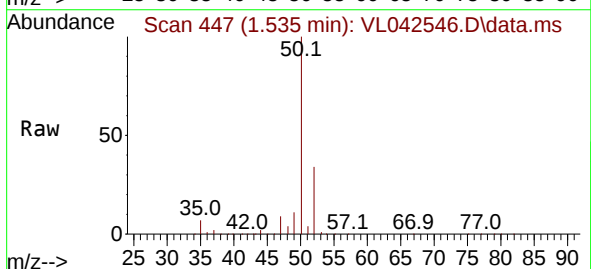
Manual Integrations
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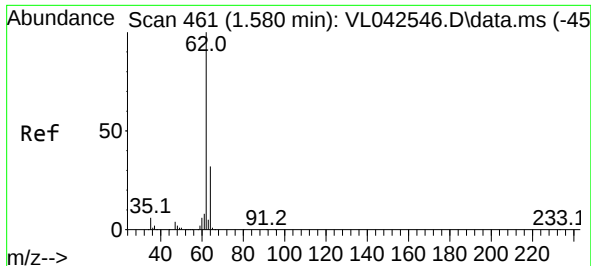
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#4
Chloromethane
Concen: 9.385 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

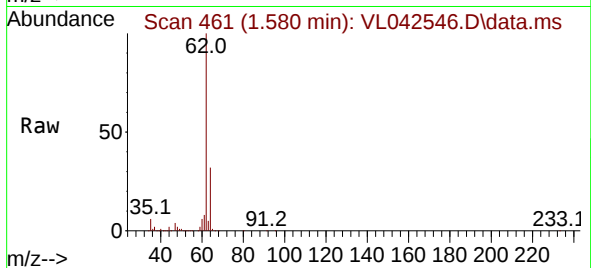
Tgt Ion: 50 Resp: 68379
Ion Ratio Lower Upper
50 100
52 33.6 26.9 40.3





#5
 Vinyl Chloride
 Concen: 9.075 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

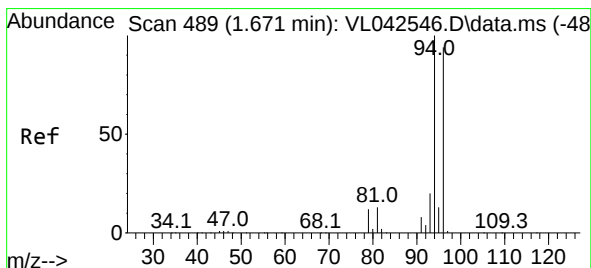
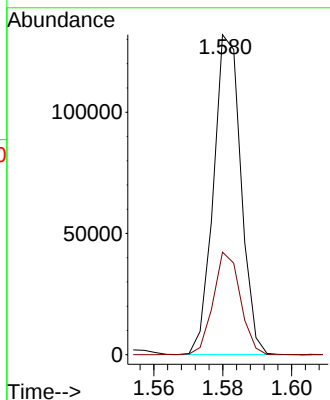
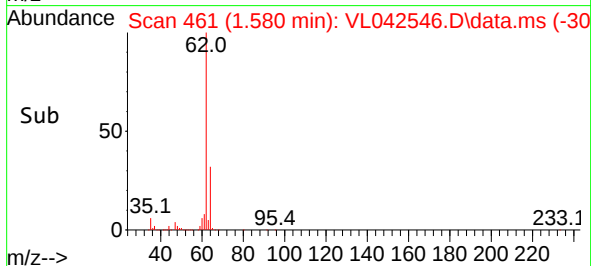
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



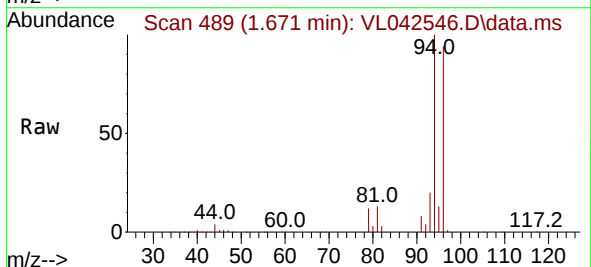
Tgt Ion: 62 Resp: 72897
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.7 38.5

Manual Integrations
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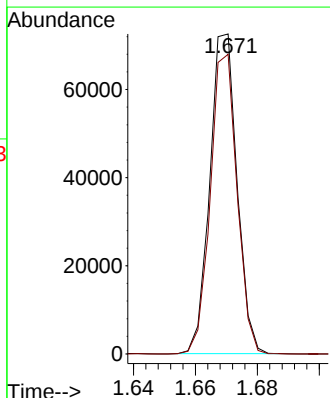
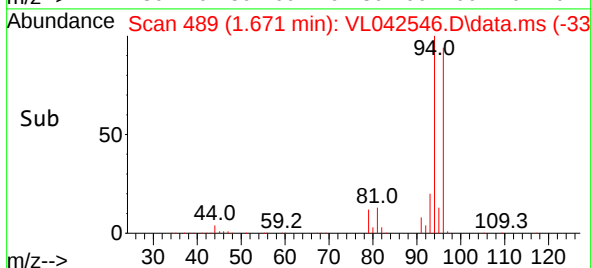
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

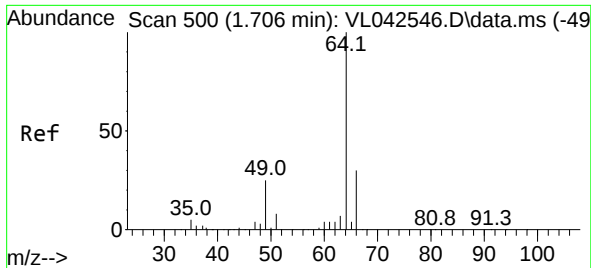


#6
 Bromomethane
 Concen: 9.596 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12



Tgt Ion: 94 Resp: 44344
 Ion Ratio Lower Upper
 94 100
 96 93.6 74.9 112.3





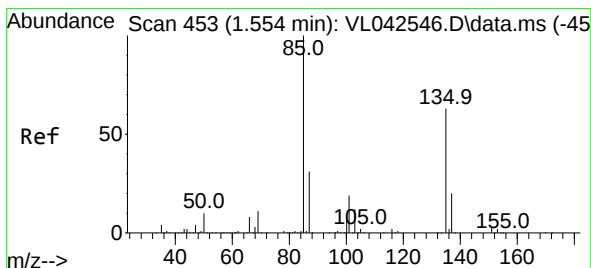
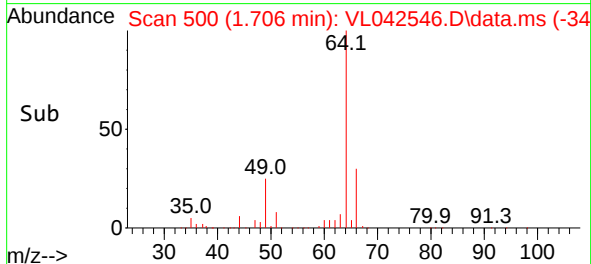
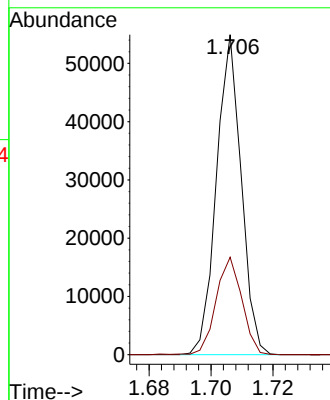
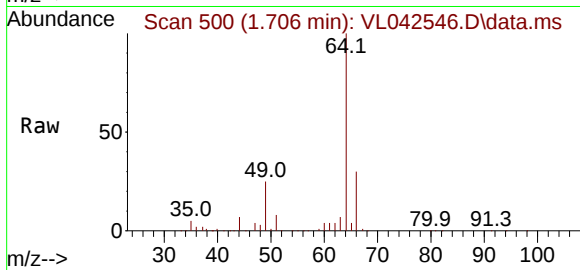
#7
Chloroethane
Concen: 9.414 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 3040
Ion Ratio Lower Upper
64 100
66 30.5 24.4 36.6

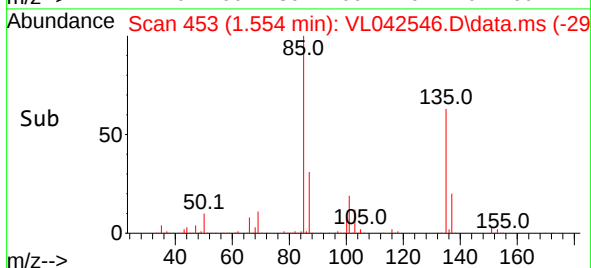
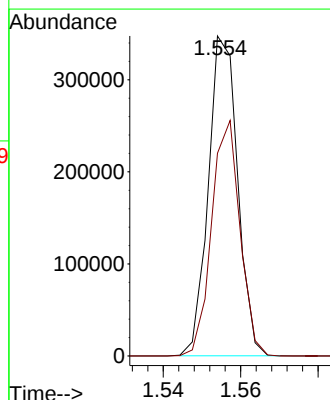
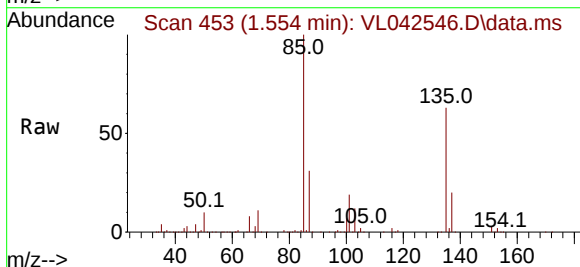
Manual Integrations
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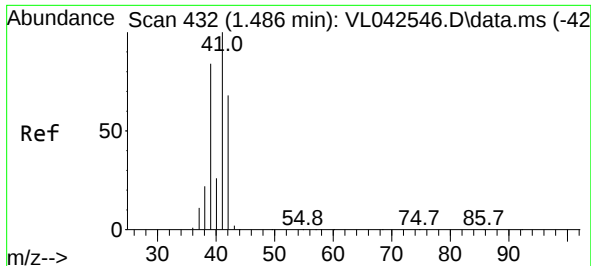
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#8
Dichlorotetrafluoroethane
Concen: 9.521 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

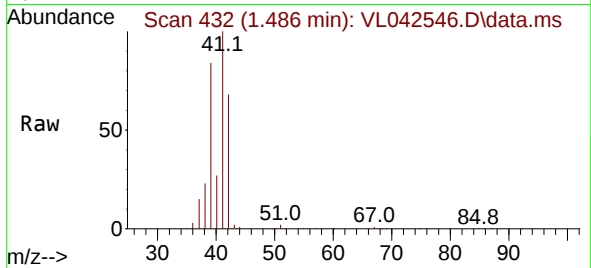
Tgt Ion: 85 Resp: 182388
Ion Ratio Lower Upper
85 100
135 71.5 57.2 85.8





#9
 Propene
 Concen: 9.933 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

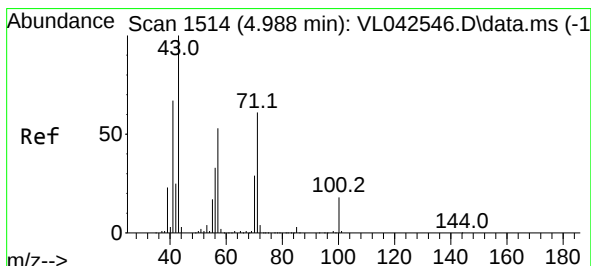
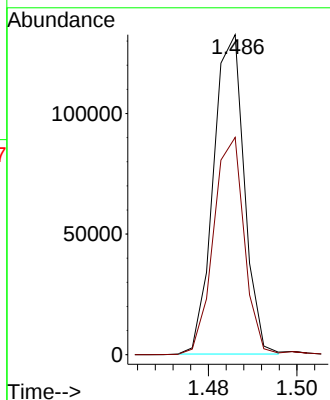
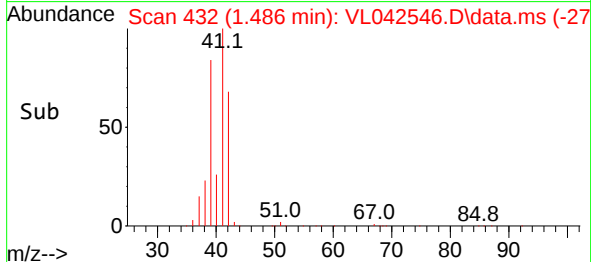
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



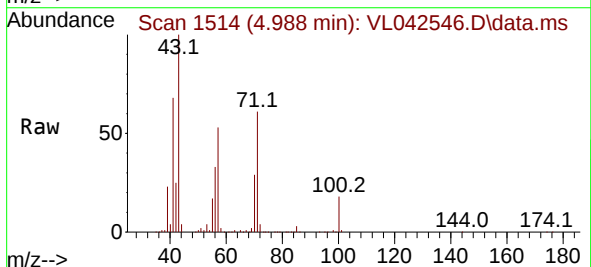
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 Ion Ratio Lower Upper
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 42 68.8 55.0 82.4

Manual Integrations
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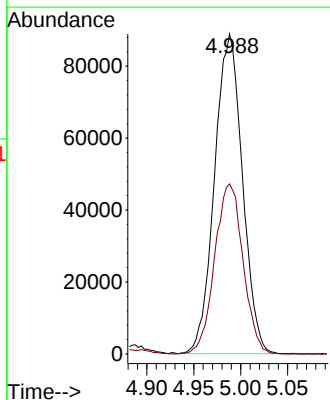
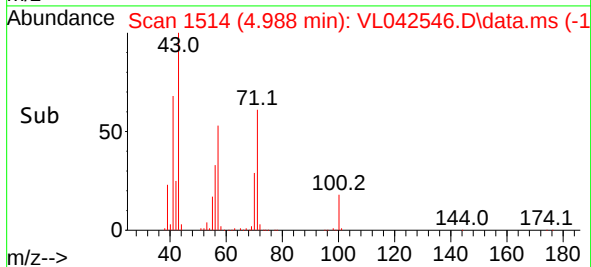
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 Supervised By :Mahesh Dadoda 05/21/2025

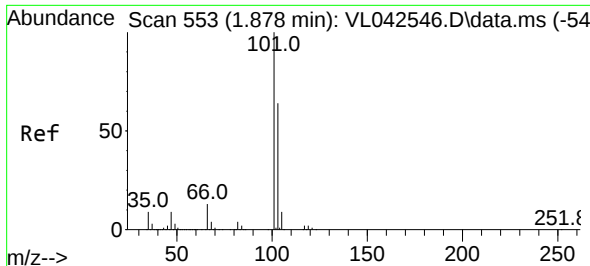


#10
 Heptane
 Concen: 10.744 ppbv
 RT: 4.988 min Scan# 1514
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12



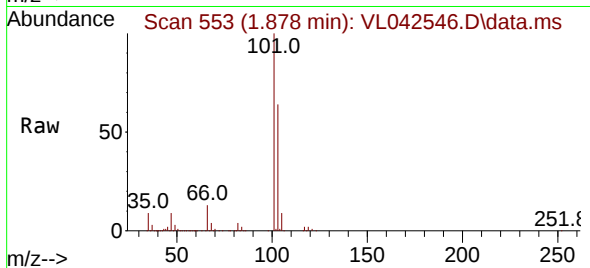
Tgt Ion: 43 Resp: 183291
 Ion Ratio Lower Upper
 43 100
 57 54.2 43.4 65.0





#11
Trichlorofluoromethane
Concen: 9.404 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

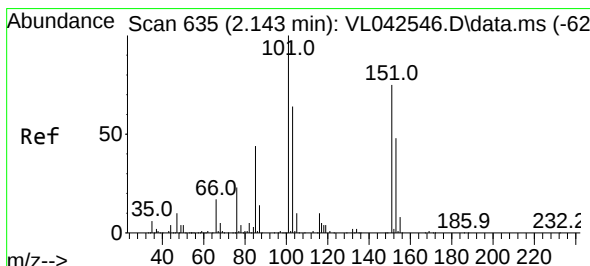
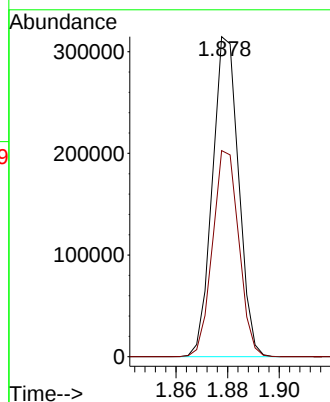
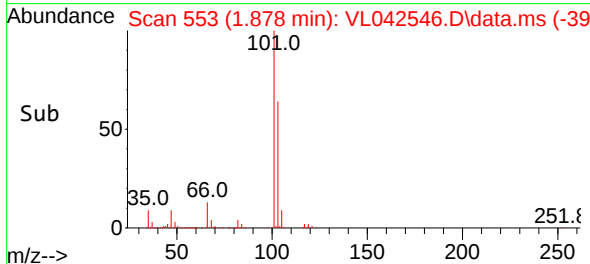
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



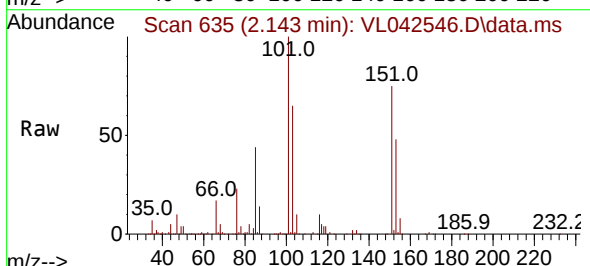
Tgt Ion:101 Resp: 22205
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3

Manual Integrations
APPROVED

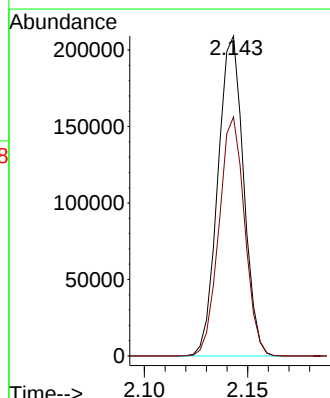
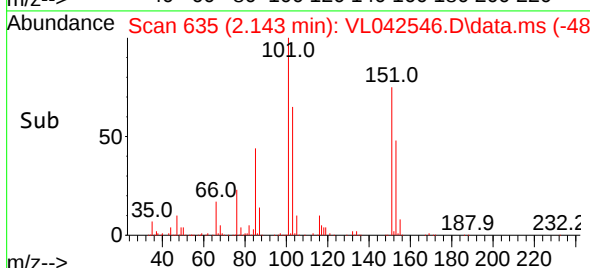
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

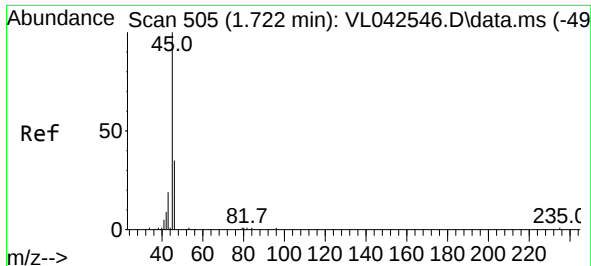


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.518 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



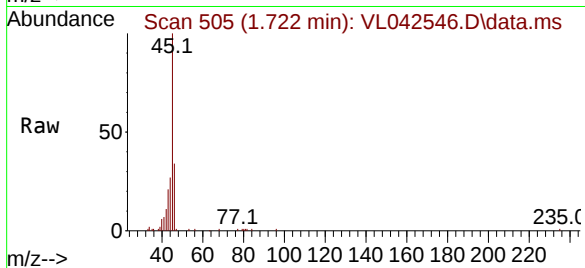
Tgt Ion:101 Resp: 181177
Ion Ratio Lower Upper
101 100
151 74.4 59.5 89.3





#13
Ethanol
Concen: 7.762 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

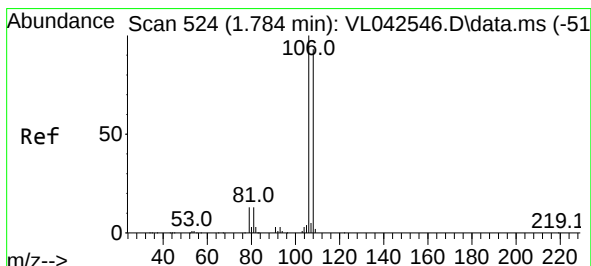
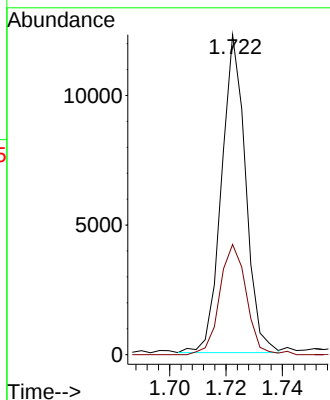
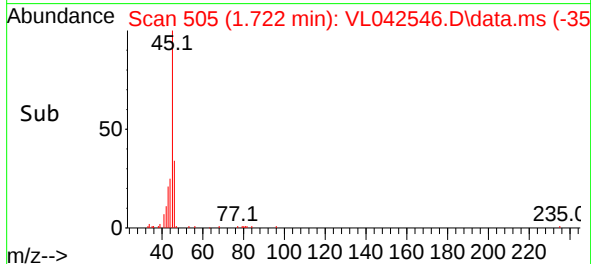
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



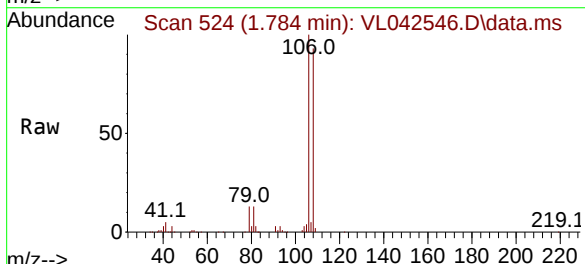
Tgt Ion: 45 Resp: 7280
Ion Ratio Lower Upper
45 100
46 38.3 15.3 61.3

Manual Integrations
APPROVED

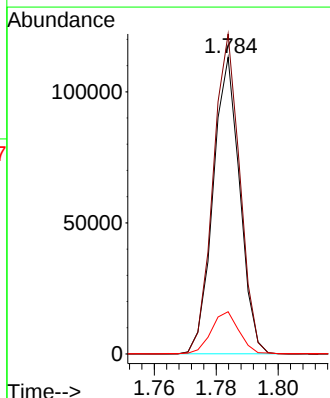
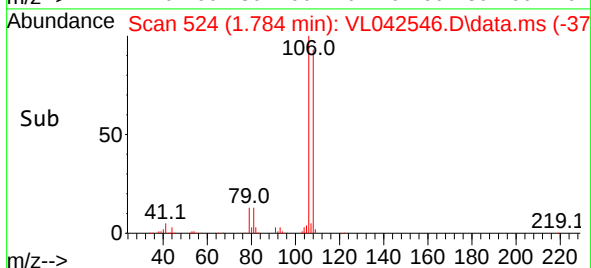
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

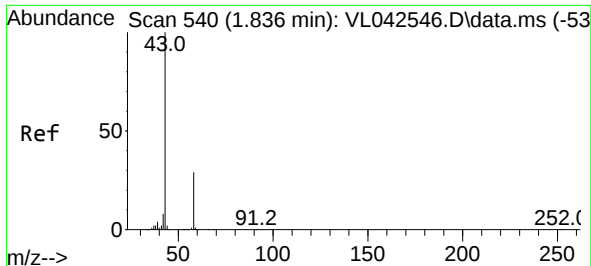


#14
Bromoethene
Concen: 9.404 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



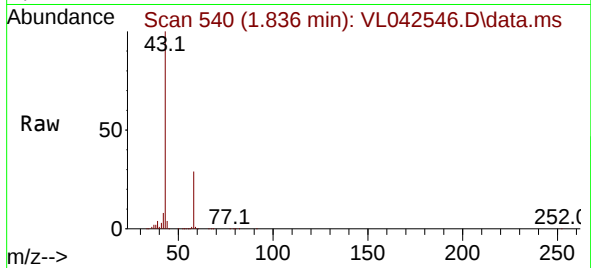
Tgt Ion:108 Resp: 67627
Ion Ratio Lower Upper
108 100
106 108.0 86.4 129.6
79 15.4 11.9 17.9





#15
Acetone
Concen: 8.031 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

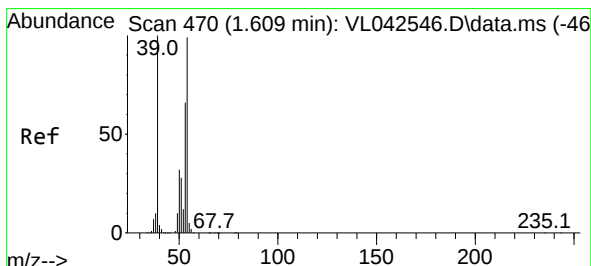
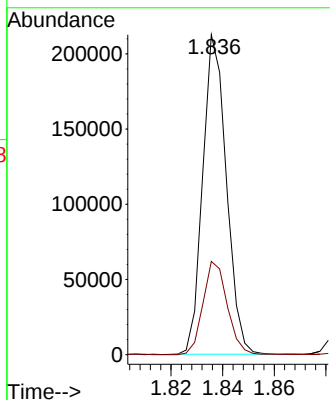
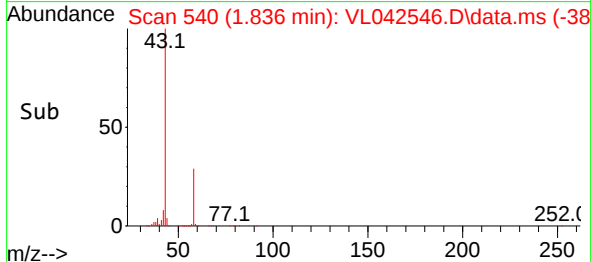
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 43 Resp: 135337
Ion Ratio Lower Upper
43 100
58 30.2 24.2 36.2

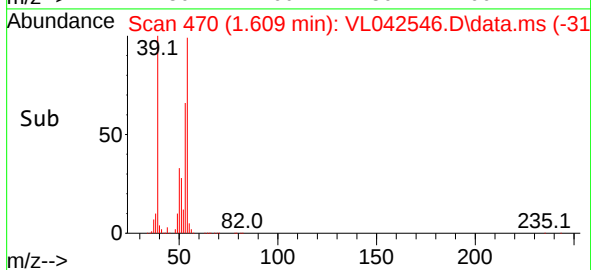
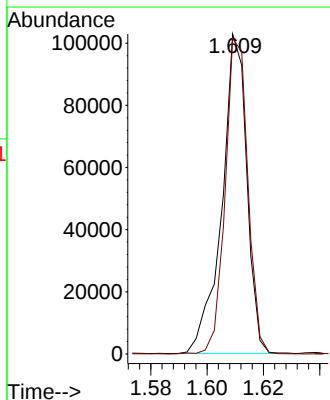
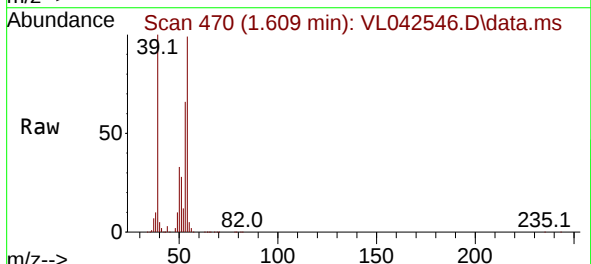
Manual Integrations
APPROVED

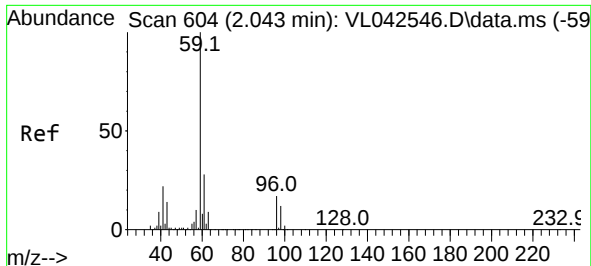
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#16
1,3-Butadiene
Concen: 9.253 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

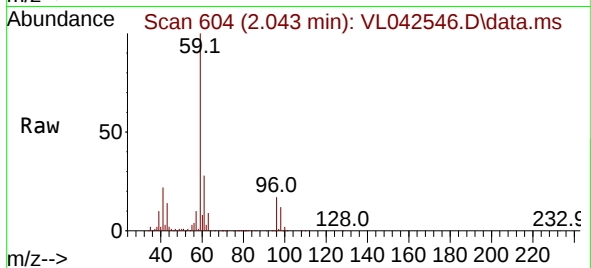
Tgt Ion: 39 Resp: 63306
Ion Ratio Lower Upper
39 100
54 89.8 71.8 107.8





#17
tert-Butyl alcohol
Concen: 9.947 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

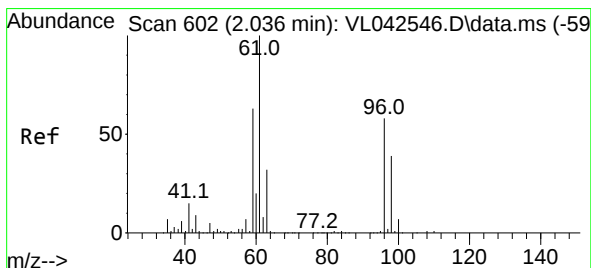
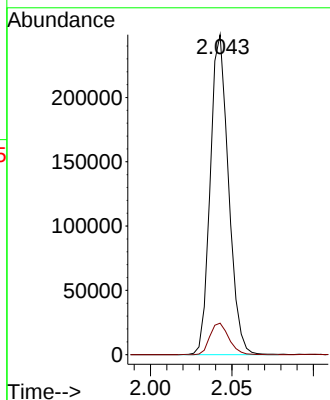
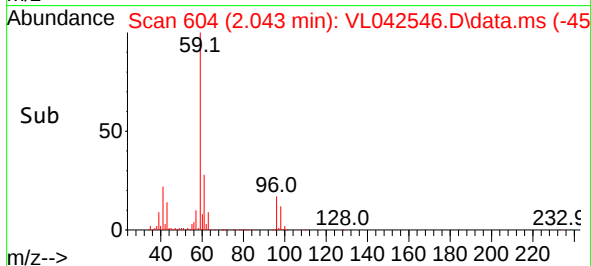
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



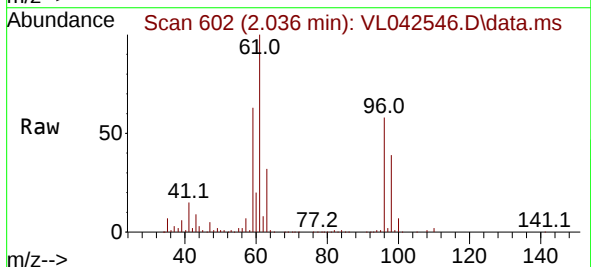
Tgt Ion: 59 Resp: 19372
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

Manual Integrations
APPROVED

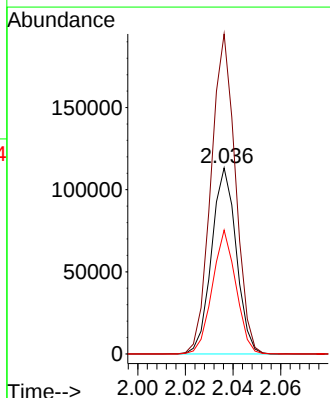
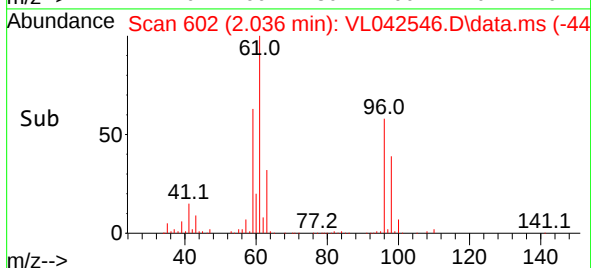
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

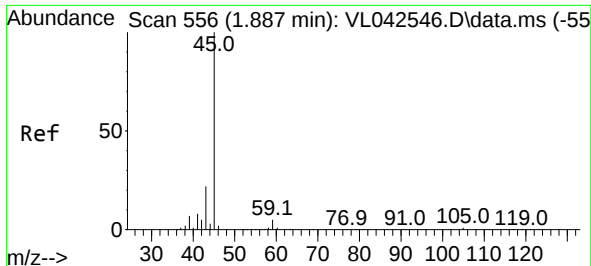


#18
1,1-Dichloroethene
Concen: 9.495 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



Tgt Ion: 96 Resp: 81674
Ion Ratio Lower Upper
96 100
61 171.9 137.5 206.3
98 66.5 53.2 79.8





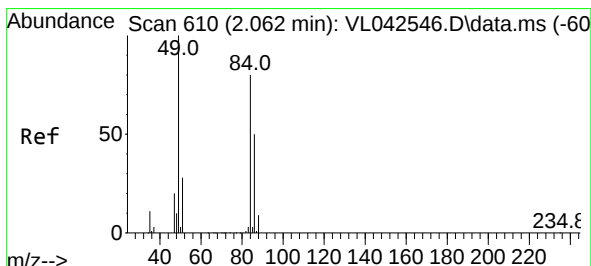
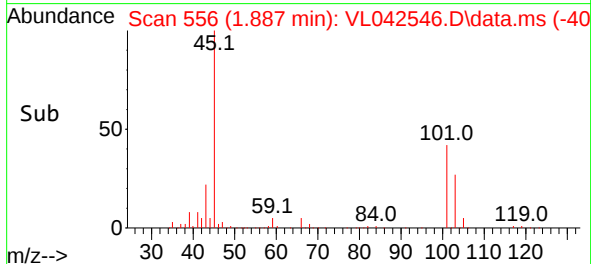
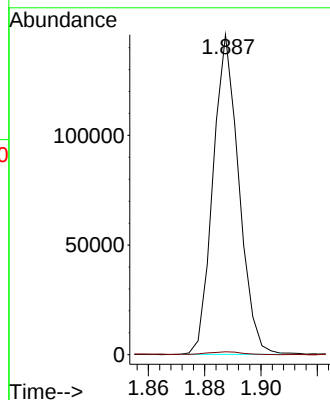
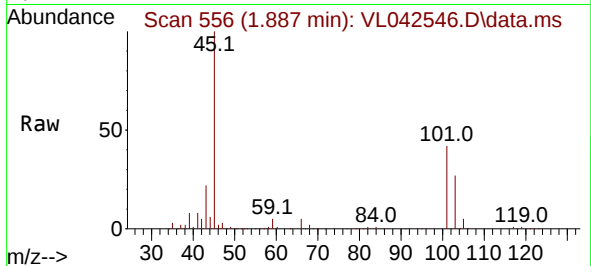
#19
Isopropyl Alcohol
Concen: 9.683 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 92795
Ion Ratio Lower Upper
45 100
58 44.1 35.3 52.9

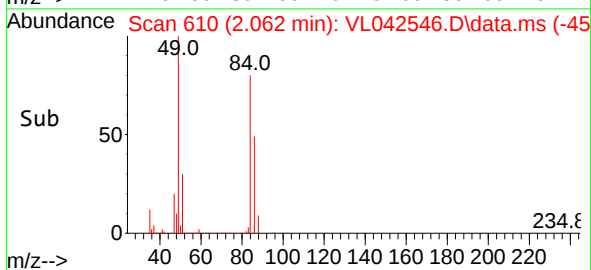
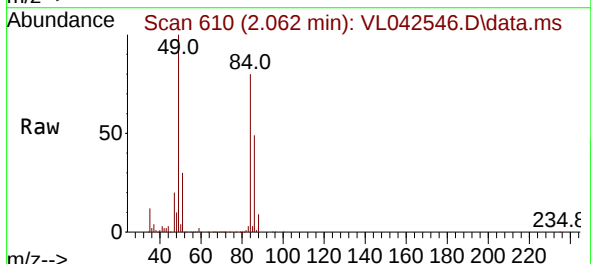
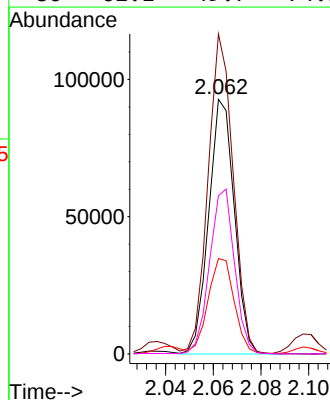
Manual Integrations
APPROVED

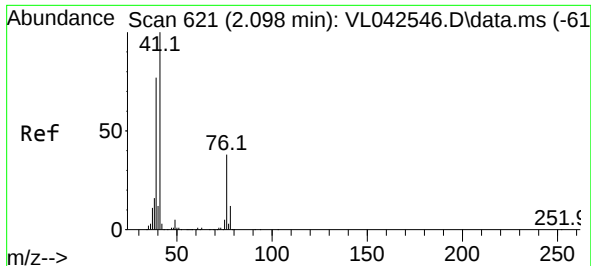
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#20
Methylene Chloride
Concen: 8.508 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

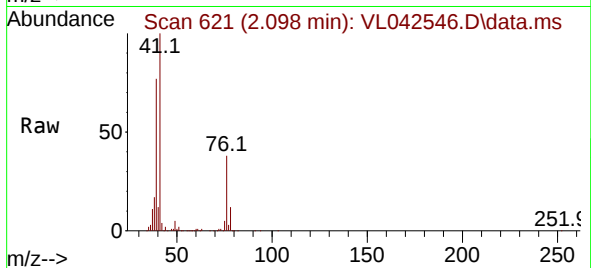
Tgt Ion: 84 Resp: 69425
Ion Ratio Lower Upper
84 100
49 124.6 99.7 149.5
51 37.1 29.7 44.5
86 62.1 49.7 74.5





#21
 Allyl Chloride
 Concen: 9.758 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

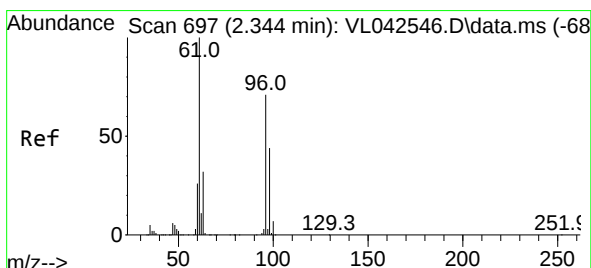
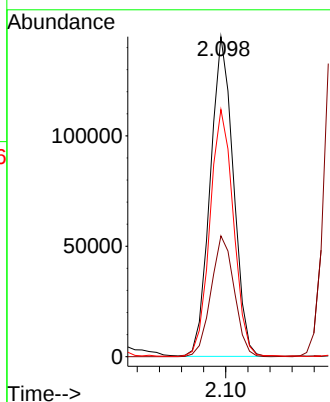
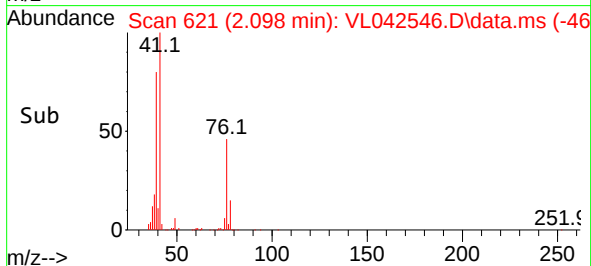
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



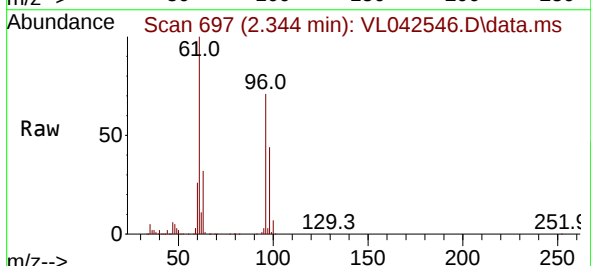
Tgt Ion: 41 Resp: 10533
 Ion Ratio Lower Upper
 41 100
 76 37.8 30.2 45.4
 39 78.3 62.5 93.7

Manual Integrations
 APPROVED

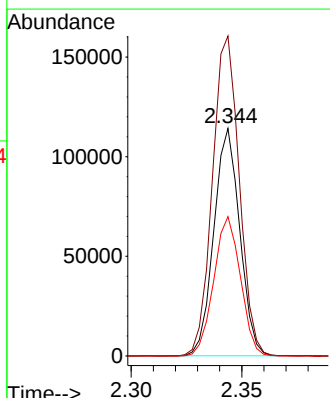
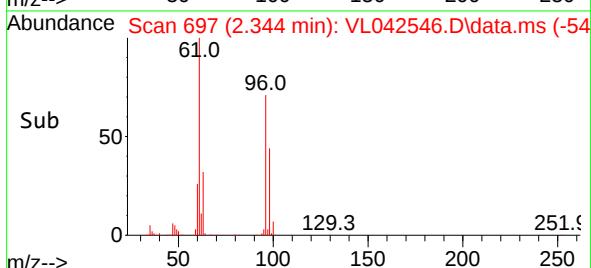
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

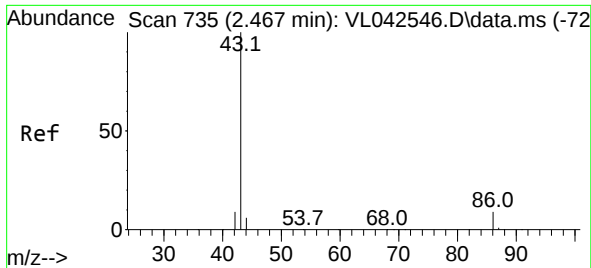


#22
 trans-1,2-Dichloroethene
 Concen: 9.730 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12



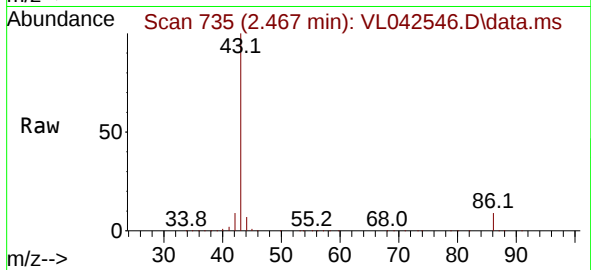
Tgt Ion: 96 Resp: 92908
 Ion Ratio Lower Upper
 96 100
 61 140.7 112.5 168.7
 98 61.3 49.0 73.4





#23
 Vinyl Acetate
 Concen: 10.090 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

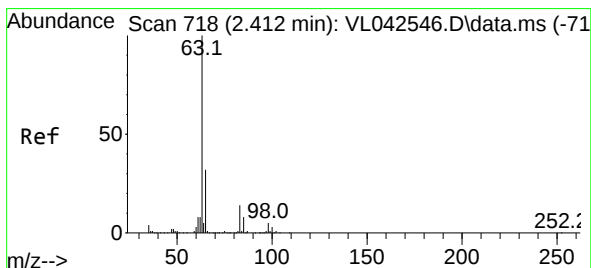
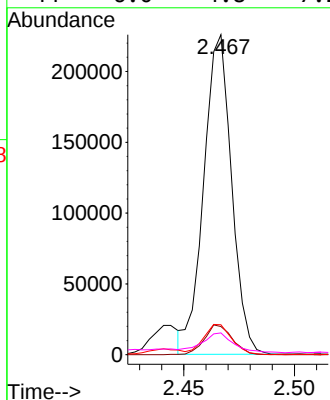
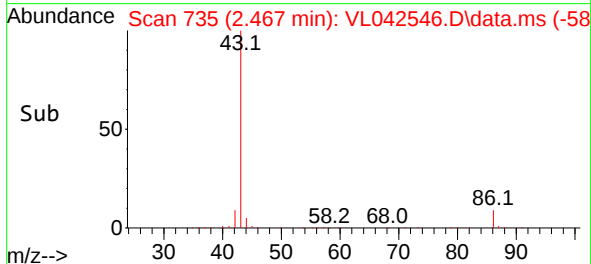


Tgt Ion: 43 Resp: 197390

Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.0	10.6
42	9.3	7.4	11.2
44	6.0	4.8	7.2

Manual Integrations
 APPROVED

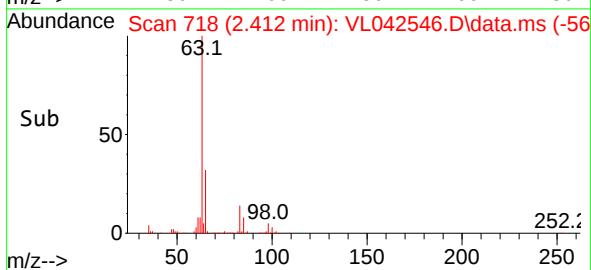
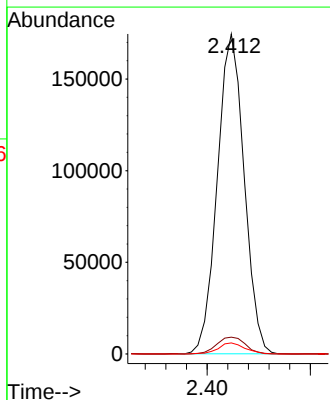
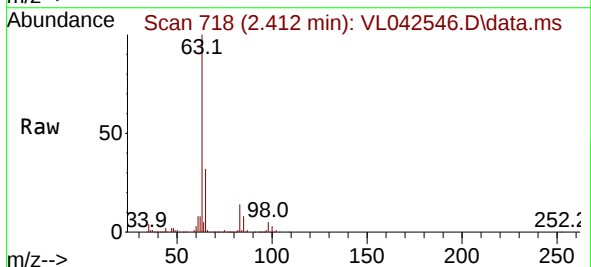
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

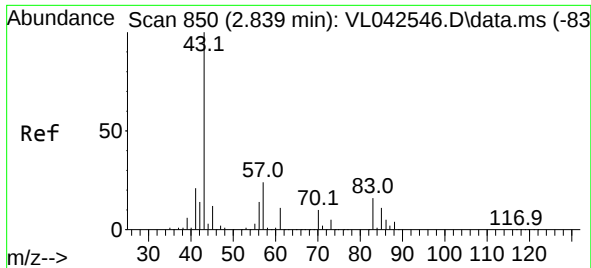


#24
 1,1-Dichloroethane
 Concen: 9.628 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

Tgt Ion: 63 Resp: 157576

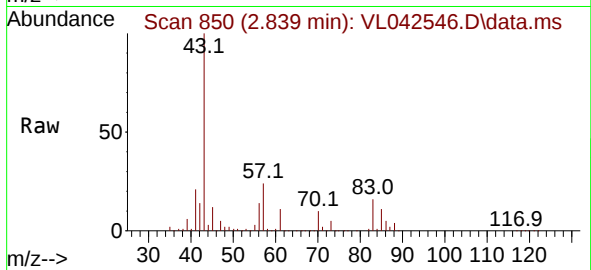
Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.6	7.8
100	3.5	1.8	5.3





#25
Ethyl Acetate
Concen: 10.357 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

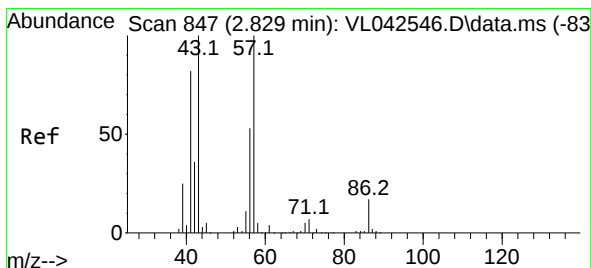
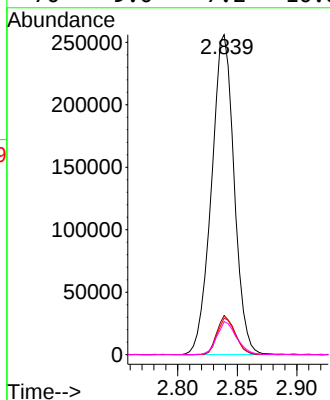
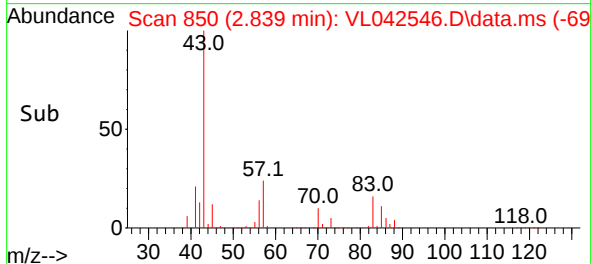


Tgt Ion: 43 Resp: 33741

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.4	7.5	11.3
70	9.0	7.2	10.8

Manual Integrations
APPROVED

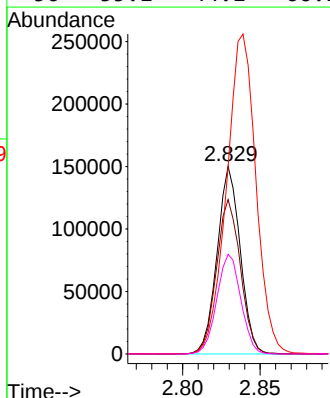
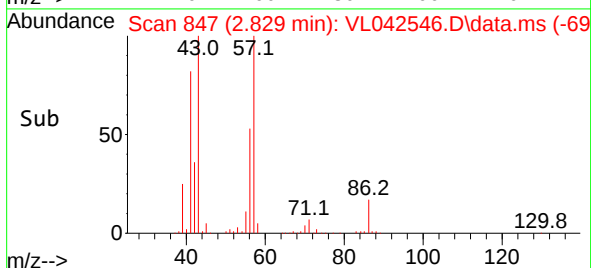
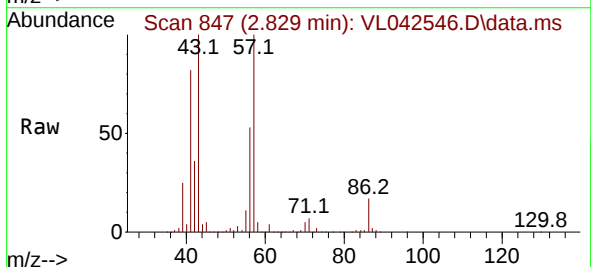
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

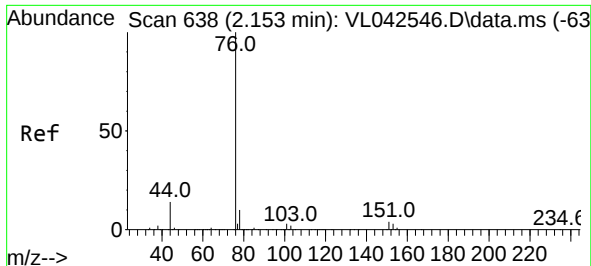


#26
Hexane
Concen: 10.549 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Tgt Ion: 57 Resp: 155381

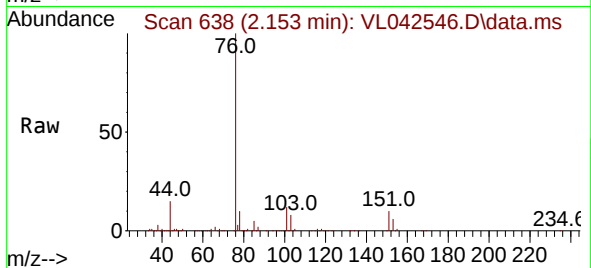
Ion	Ratio	Lower	Upper
57	100		
41	86.3	69.0	103.4
43	217.7	174.2	261.2
56	55.1	44.1	66.1





#27
Carbon Disulfide
Concen: 10.023 ppbv
RT: 2.153 min Scan# 638
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

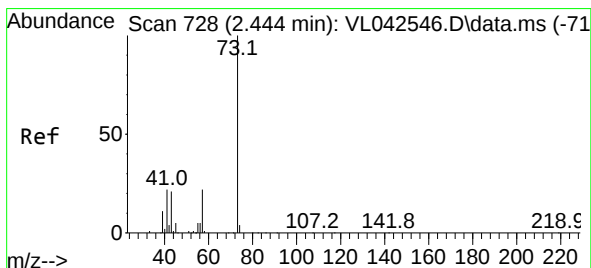
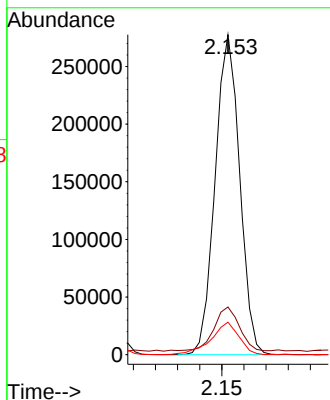
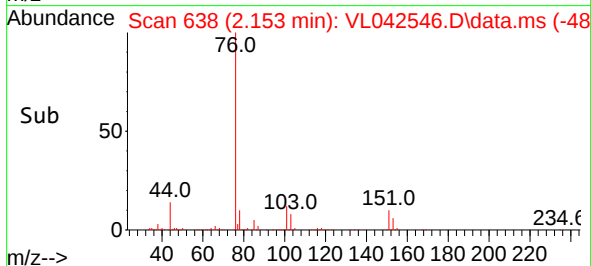
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



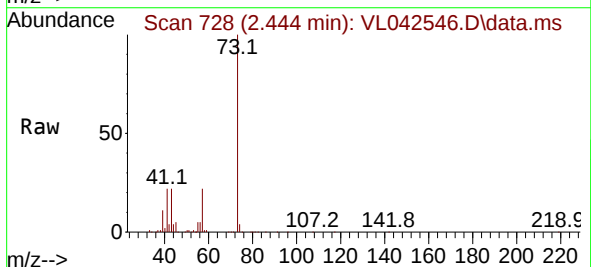
Tgt Ion: 76 Resp: 213850
Ion Ratio Lower Upper
76 100
44 17.9 14.0 21.0
78 11.6 9.4 14.0

Manual Integrations
APPROVED

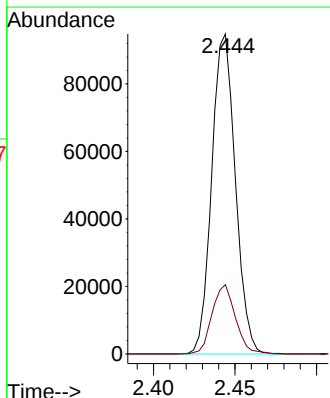
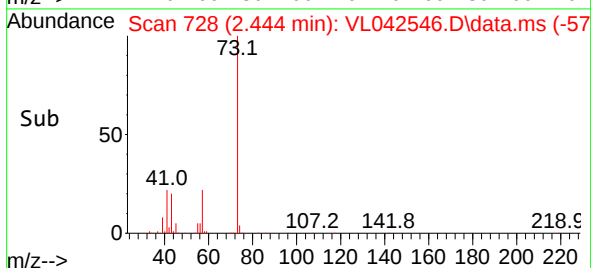
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

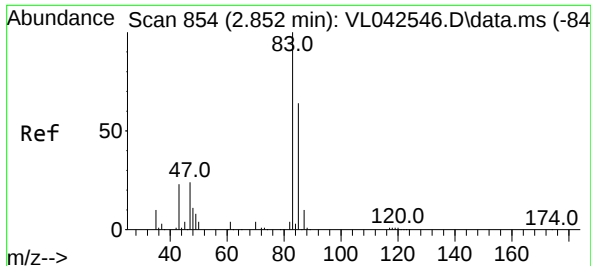


#28
Methyl tert-Butyl Ether
Concen: 9.623 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



Tgt Ion: 73 Resp: 95511
Ion Ratio Lower Upper
73 100
57 21.5 17.2 25.8





#29

Chloroform

Concen: 9.642 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 26857

Ion Ratio Lower Upper

83 100

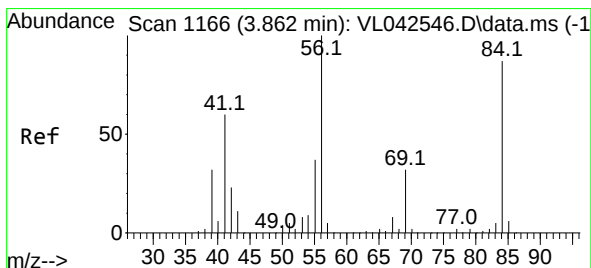
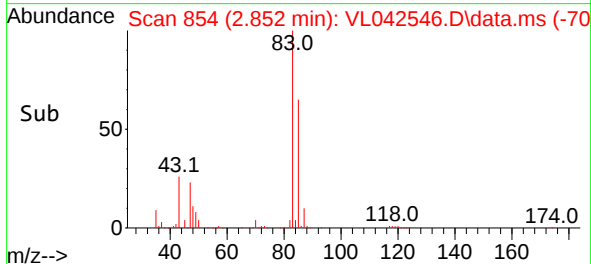
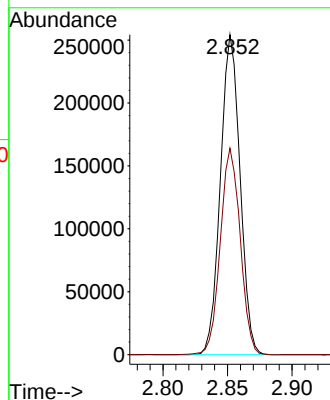
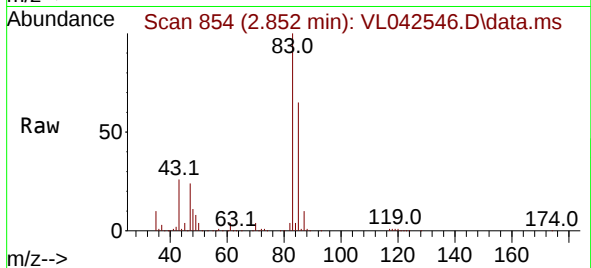
85 64.5 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#30

Cyclohexane

Concen: 11.027 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

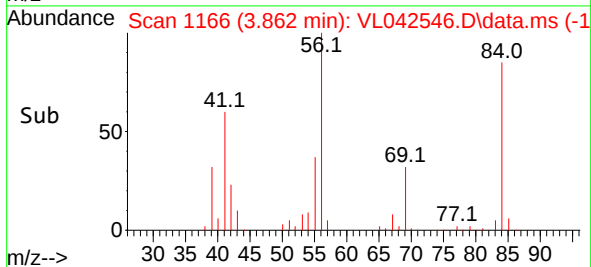
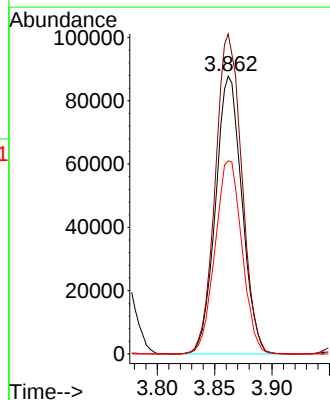
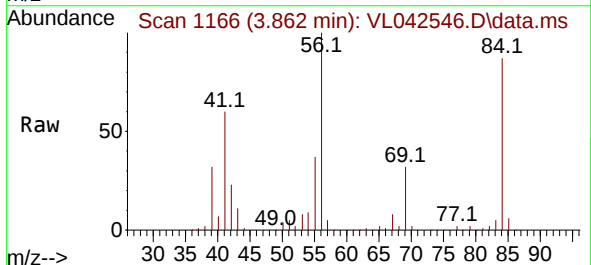
Tgt Ion: 84 Resp: 140511

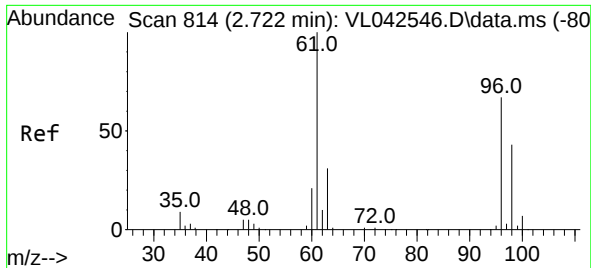
Ion Ratio Lower Upper

84 100

56 115.4 92.3 138.5

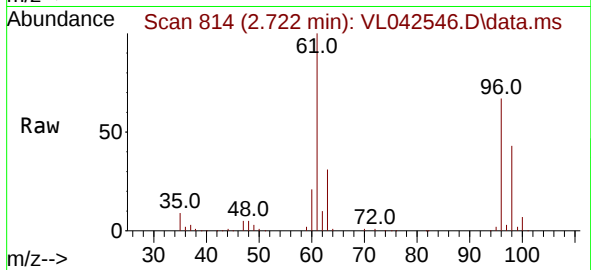
41 71.2 57.0 85.4





#31
 cis-1,2-Dichloroethene
 Concen: 10.135 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

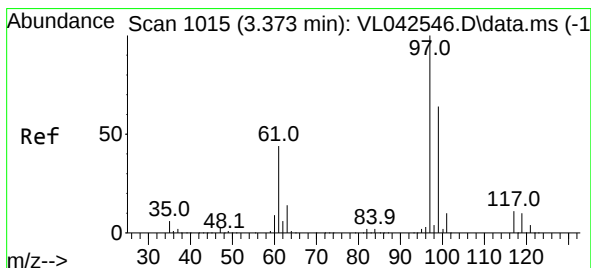
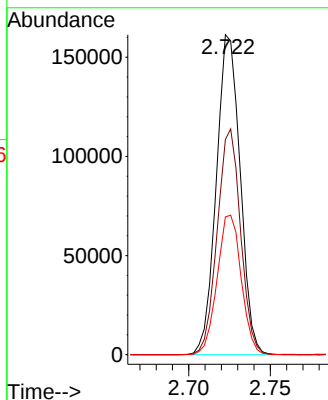
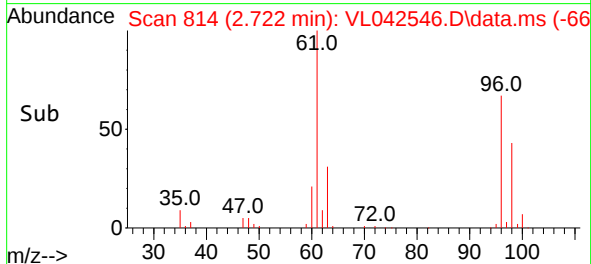
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



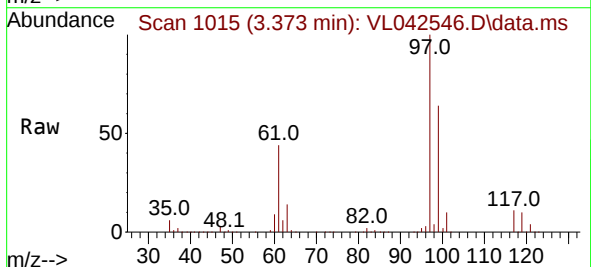
Tgt Ion: 61 Resp: 16413
 Ion Ratio Lower Upper
 61 100
 96 67.3 53.8 80.8
 98 43.1 34.5 51.7

Manual Integrations
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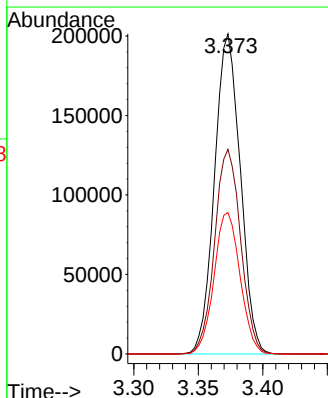
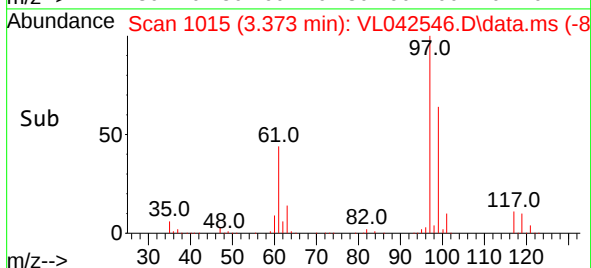
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

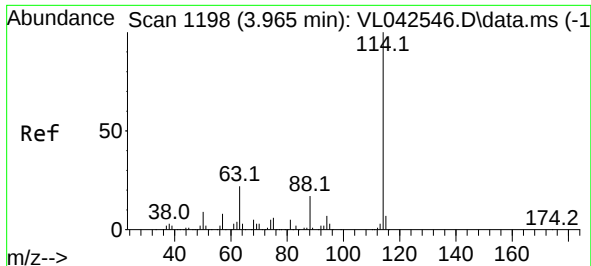


#32
 1,1,1-Trichloroethane
 Concen: 9.844 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12



Tgt Ion: 97 Resp: 280218
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.5 77.3
 61 44.6 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

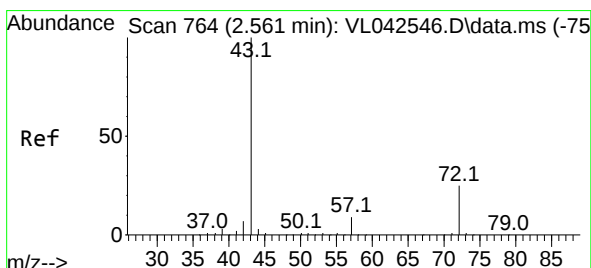
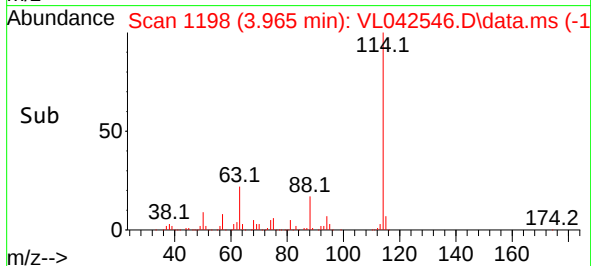
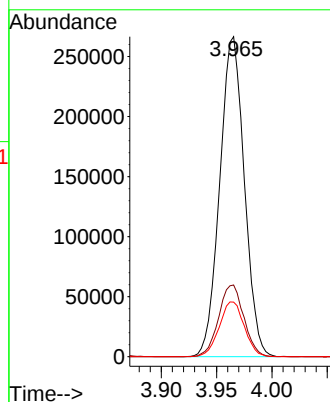
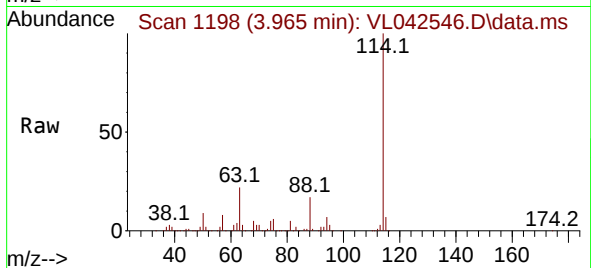
Tgt Ion:114 Resp: 411974

Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.4	27.6
88	17.5	14.0	21.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#34

2-Butanone

Concen: 9.694 ppbv

RT: 2.561 min Scan# 764

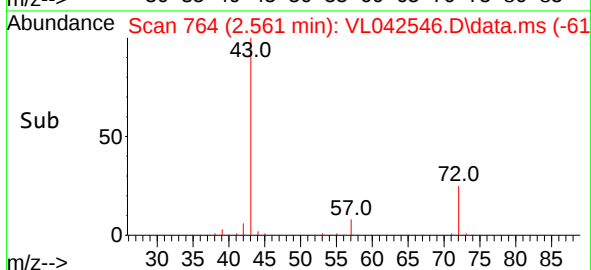
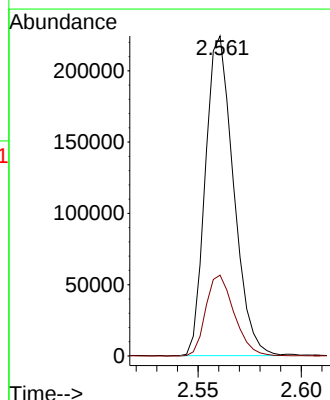
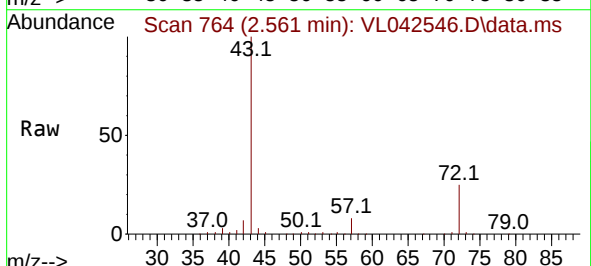
Delta R.T. 0.000 min

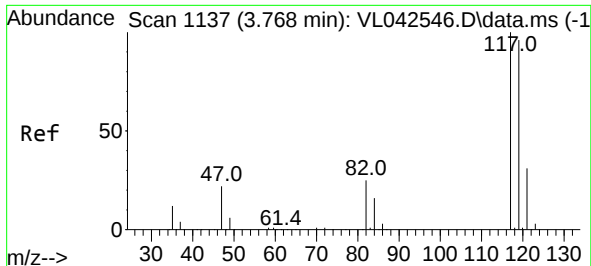
Lab File: VL042546.D

Acq: 20 May 2025 09:12

Tgt Ion: 43 Resp: 212000

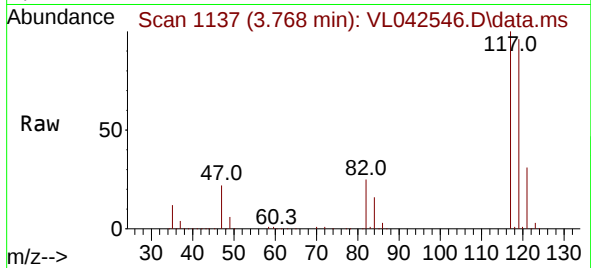
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.5	30.7





#35
Carbon Tetrachloride
Concen: 9.536 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

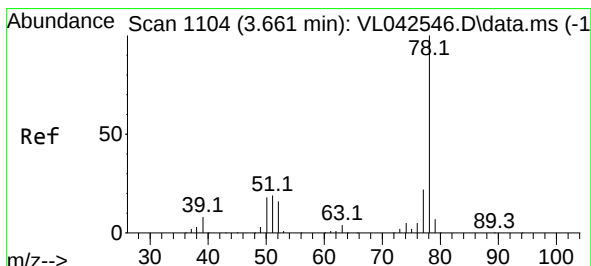
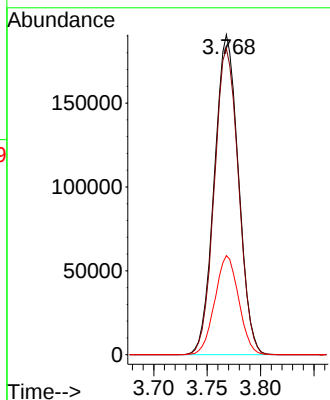
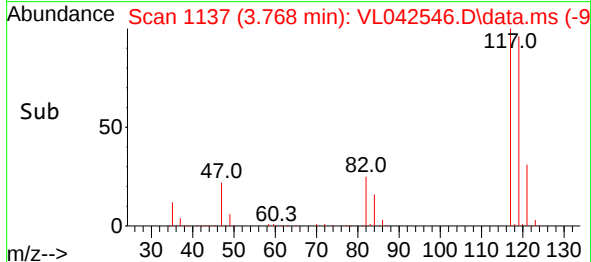
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:117 Resp: 29944
Ion Ratio Lower Upper
117 100
119 95.7 76.6 114.8
121 30.9 24.7 37.1

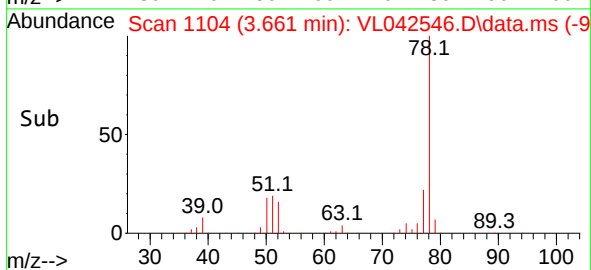
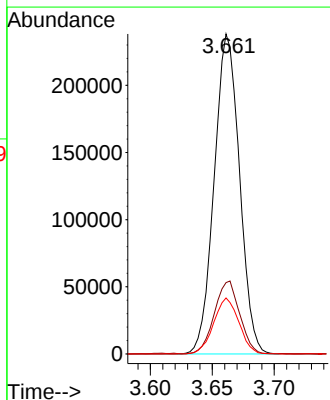
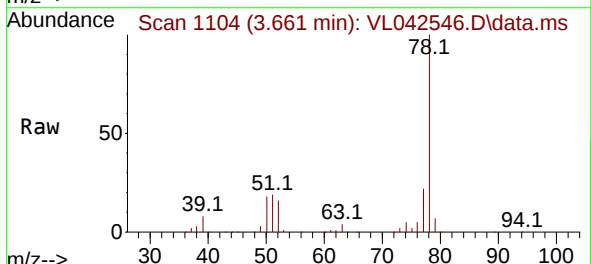
Manual Integrations
APPROVED

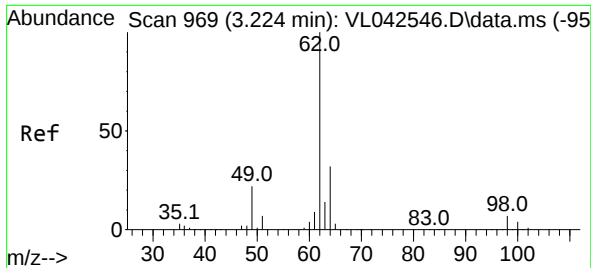
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#36
Benzene
Concen: 10.185 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Tgt Ion: 78 Resp: 339567
Ion Ratio Lower Upper
78 100
77 22.2 17.8 26.6
50 17.5 14.0 21.0





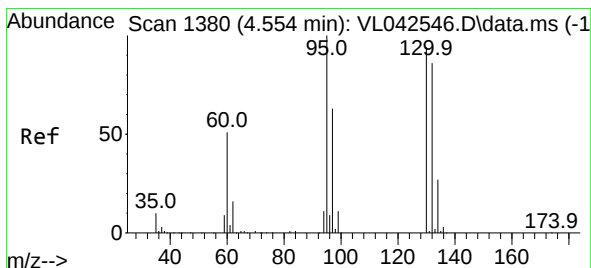
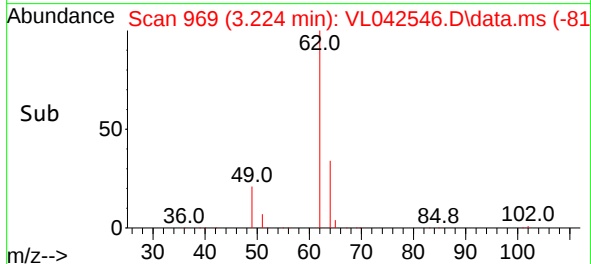
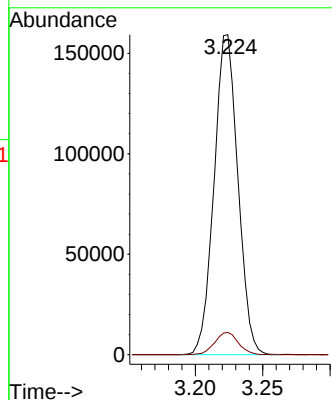
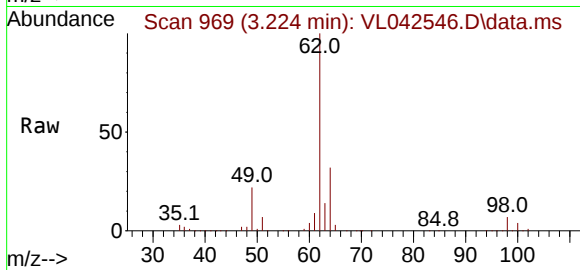
#37
1,2-Dichloroethane
Concen: 9.622 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 196002
Ion Ratio Lower Upper
62 100
98 6.9 5.5 8.3

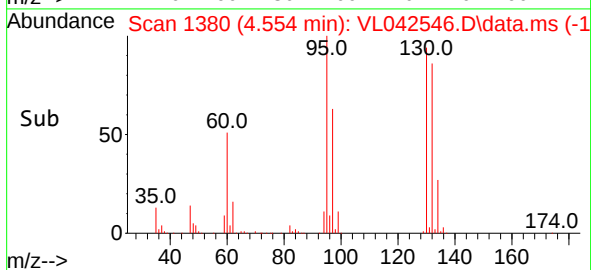
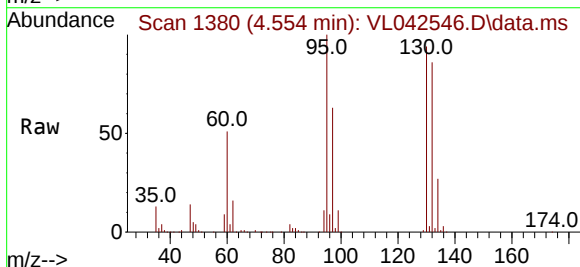
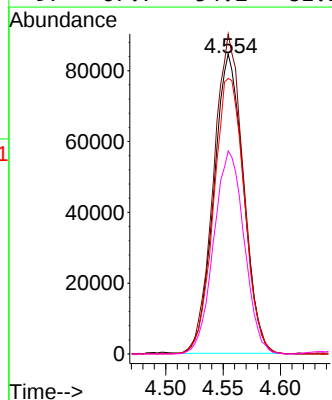
Manual Integrations
APPROVED

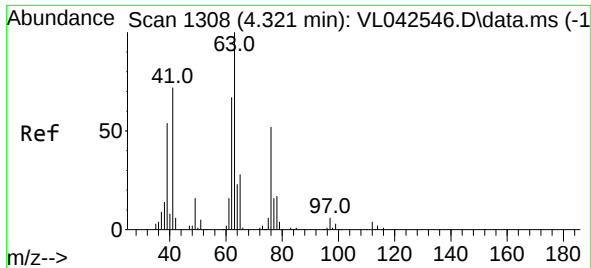
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#38
Trichloroethene
Concen: 9.959 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

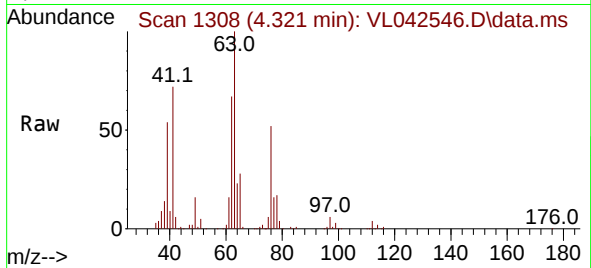
Tgt Ion:130 Resp: 151528
Ion Ratio Lower Upper
130 100
95 106.5 85.2 127.8
132 91.8 73.4 110.2
97 67.7 54.2 81.2





#39
1,2-Dichloropropane
Concen: 9.858 ppbv
RT: 4.321 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

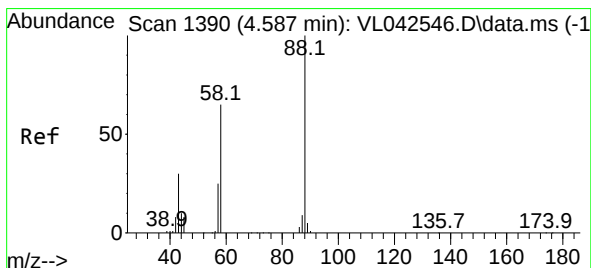
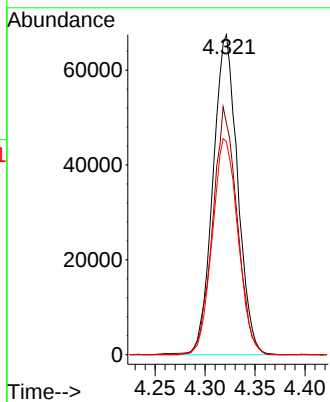
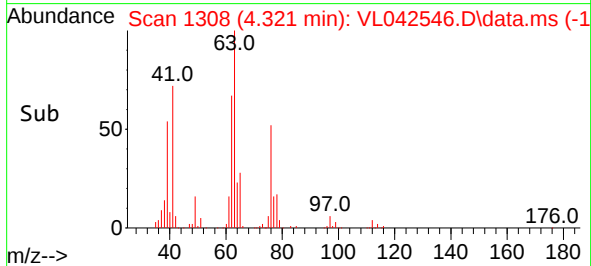
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 63 Resp: 11535
Ion Ratio Lower Upper
63 100
41 72.5 58.0 87.0
62 66.6 53.3 79.9

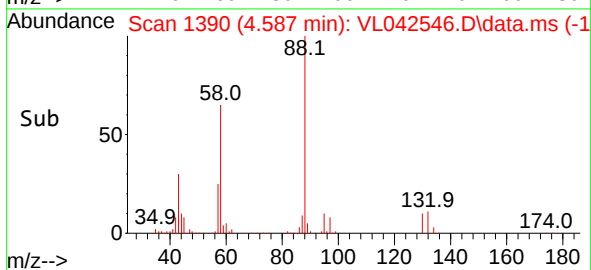
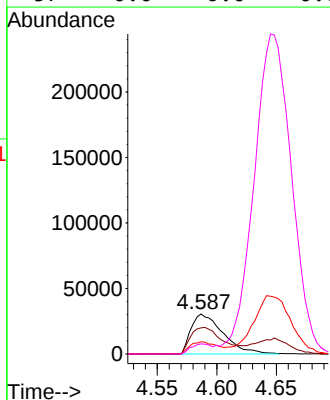
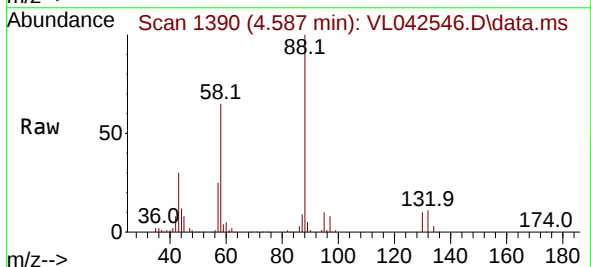
Manual Integrations
APPROVED

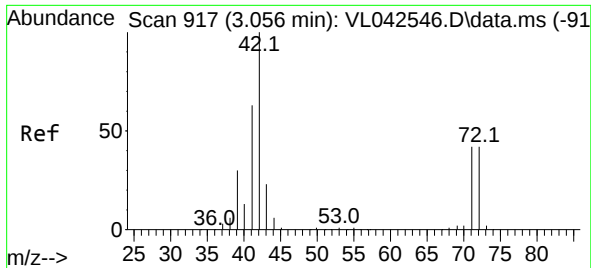
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#40
1,4-Dioxane
Concen: 10.849 ppbv
RT: 4.587 min Scan# 1390
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

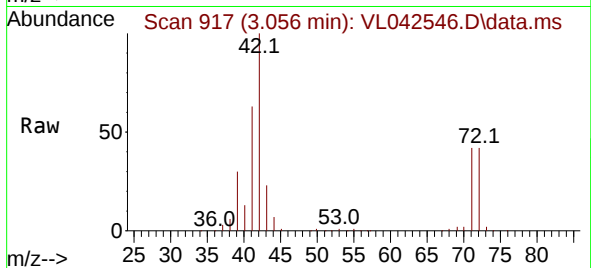
Tgt Ion: 88 Resp: 57112
Ion Ratio Lower Upper
88 100
58 68.1 52.8 79.2
43 29.6 23.0 34.4
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.849 ppbv
RT: 3.056 min Scan# 917
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

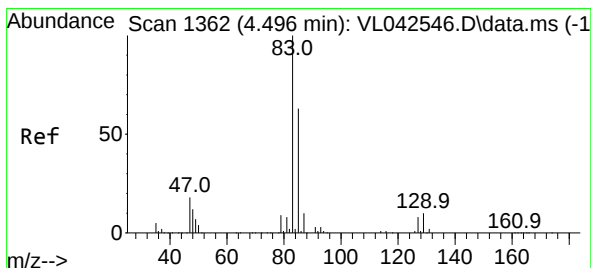
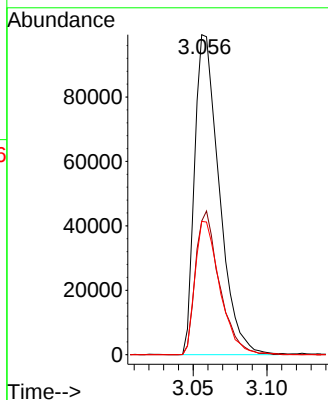
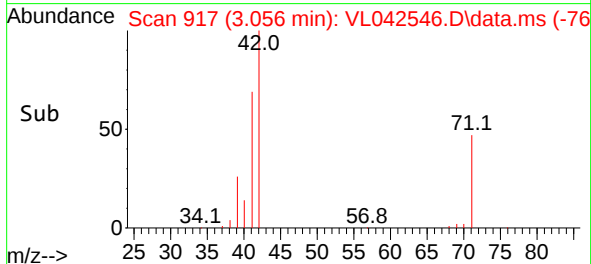
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



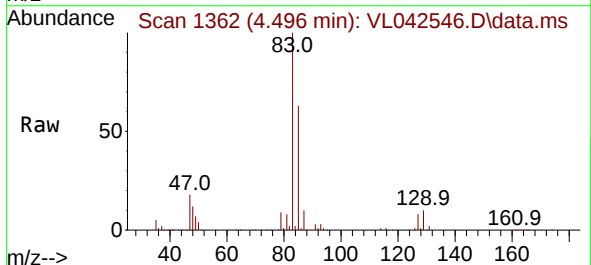
Tgt Ion: 42 Resp: 115659
Ion Ratio Lower Upper
42 100
72 43.5 34.8 52.2
71 42.0 33.6 50.4

Manual Integrations
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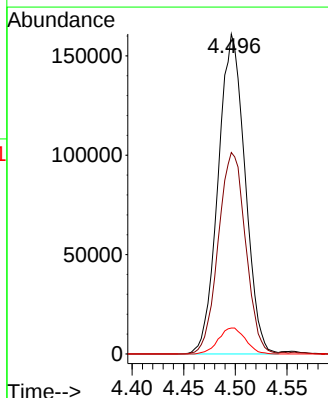
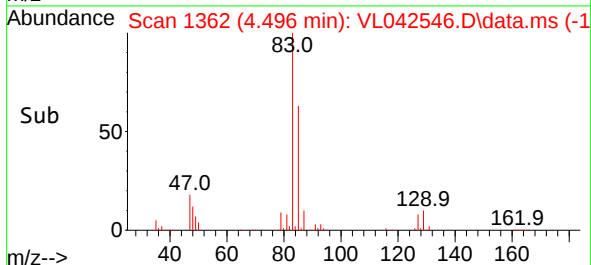
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

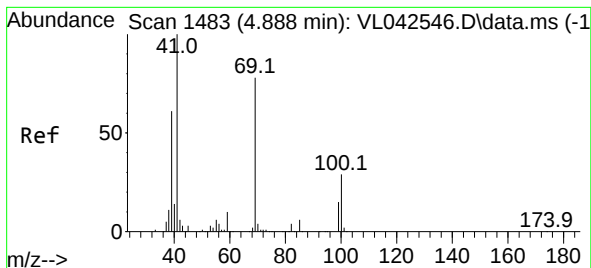


#42
Bromodichloromethane
Concen: 10.141 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



Tgt Ion: 83 Resp: 291398
Ion Ratio Lower Upper
83 100
85 63.0 50.4 75.6
127 8.1 6.5 9.7





#43

Methyl Methacrylate

Concen: 11.312 ppbv

RT: 4.888 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 69 Resp: 12772

Ion Ratio Lower Upper

69 100

41 135.0 107.8 161.8

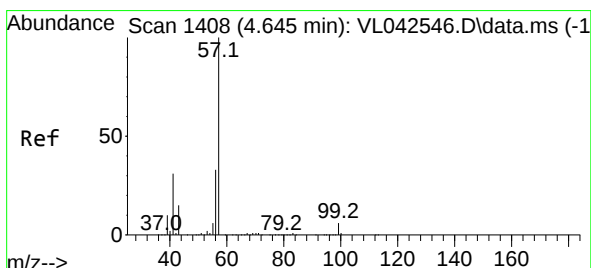
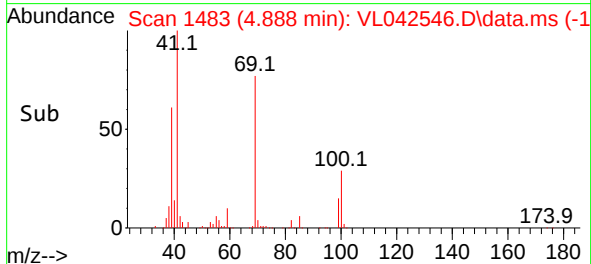
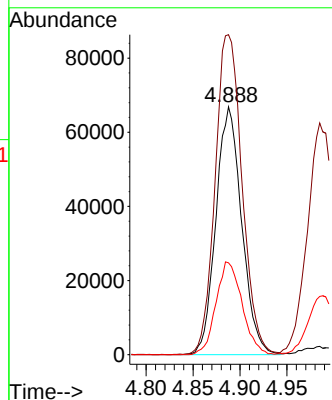
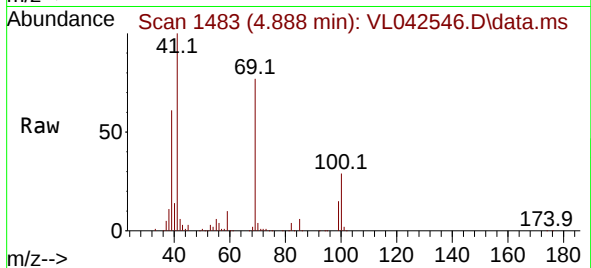
100 37.9 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#44

2,2,4-Trimethylpentane

Concen: 10.532 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

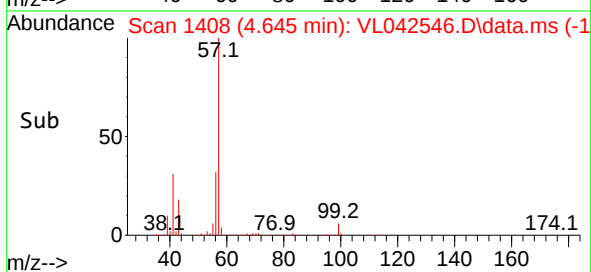
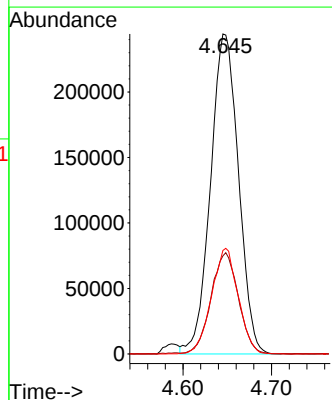
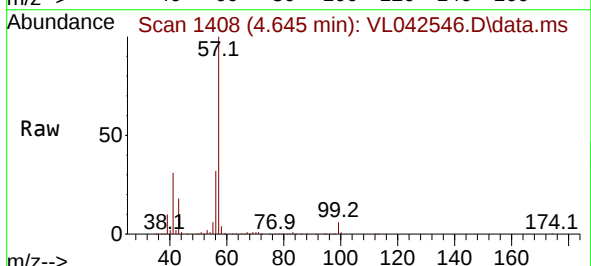
Tgt Ion: 57 Resp: 536753

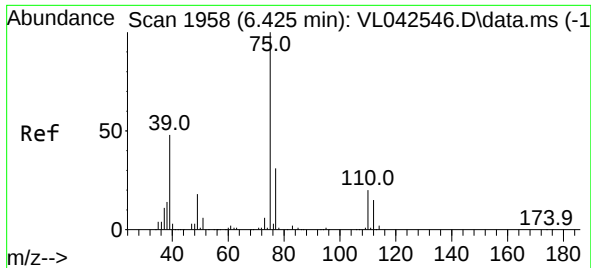
Ion Ratio Lower Upper

57 100

41 31.3 25.0 37.4

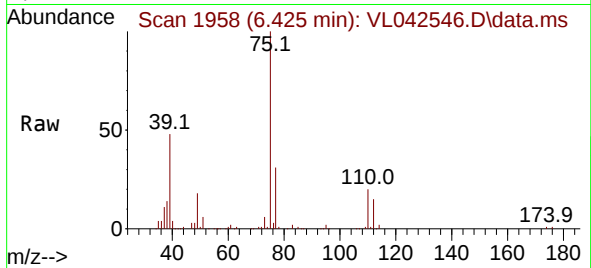
56 31.4 25.1 37.7





#45
 t-1,3-Dichloropropene
 Concen: 11.360 ppbv
 RT: 6.425 min Scan# 1958
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

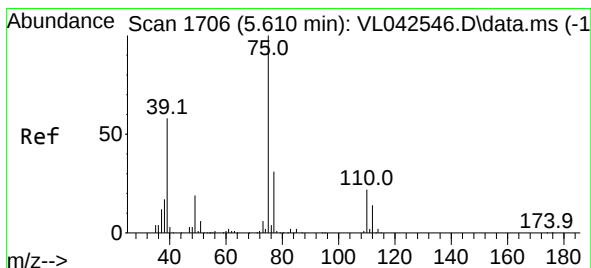
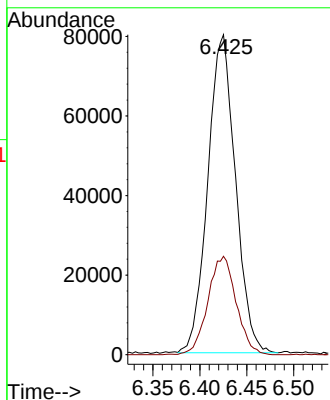
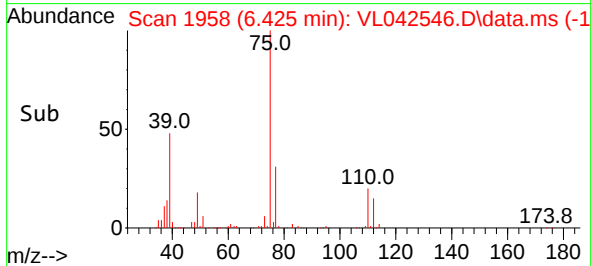
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion: 75 Resp: 16363
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0

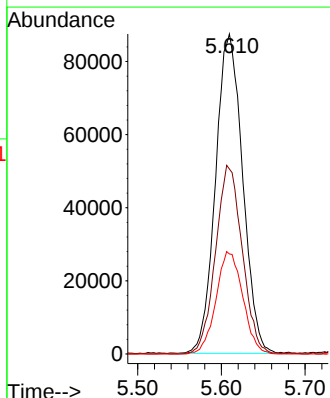
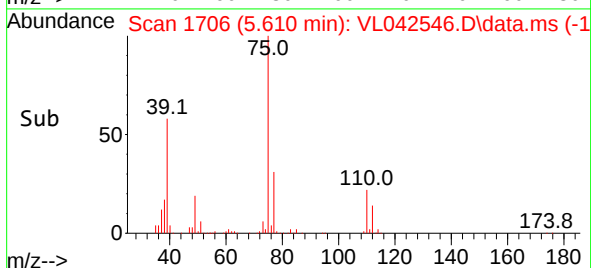
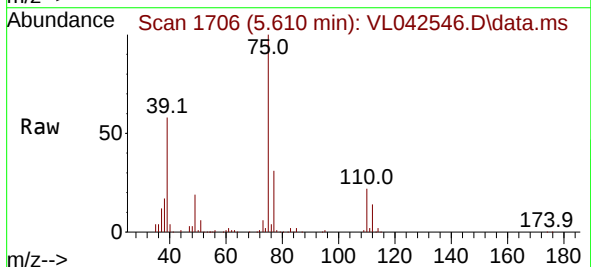
Manual Integrations
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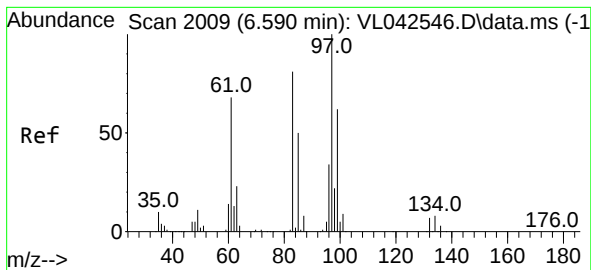
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#46
 cis-1,3-Dichloropropene
 Concen: 11.227 ppbv
 RT: 5.610 min Scan# 1706
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

Tgt Ion: 75 Resp: 196277
 Ion Ratio Lower Upper
 75 100
 39 57.9 46.3 69.5
 77 31.3 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 9.839 ppbv

RT: 6.590 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 137930

Ion Ratio Lower Upper

97 100

83 81.2 65.0 97.4

85 49.9 39.9 59.9

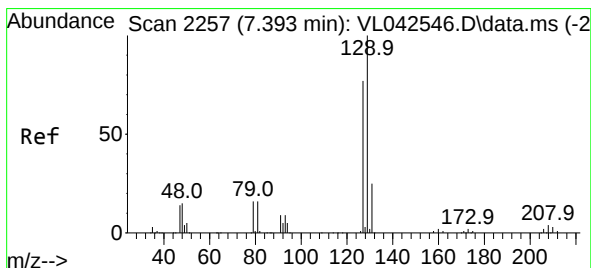
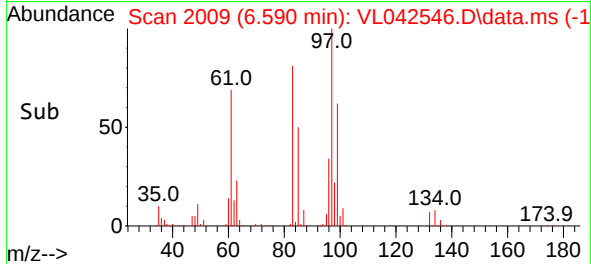
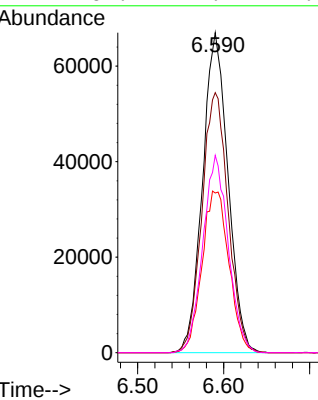
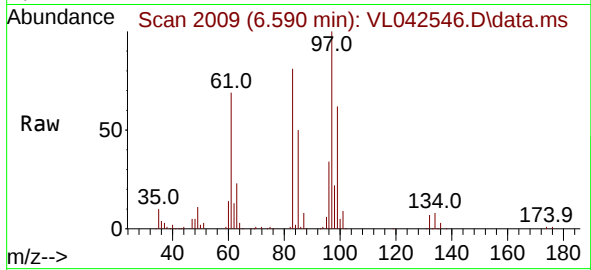
99 61.7 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#48

Dibromochloromethane

Concen: 10.392 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VL042546.D

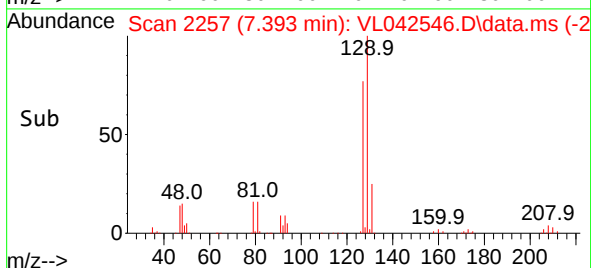
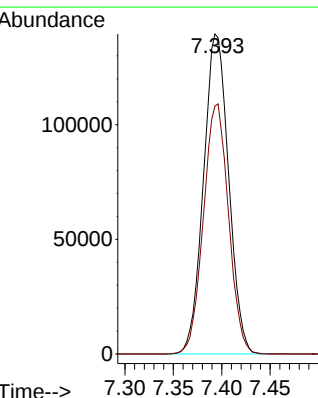
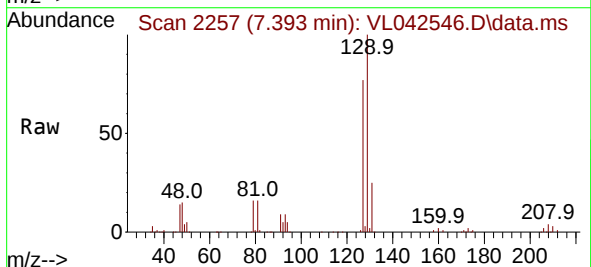
Acq: 20 May 2025 09:12

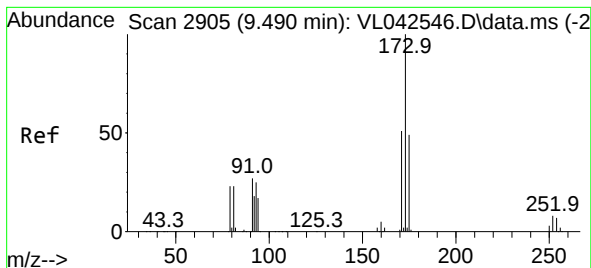
Tgt Ion:129 Resp: 252105

Ion Ratio Lower Upper

129 100

127 78.0 39.0 117.0





#49

Bromoform

Concen: 10.556 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

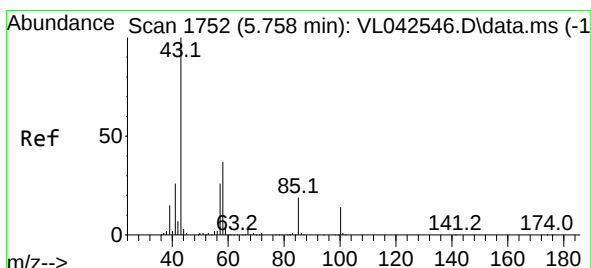
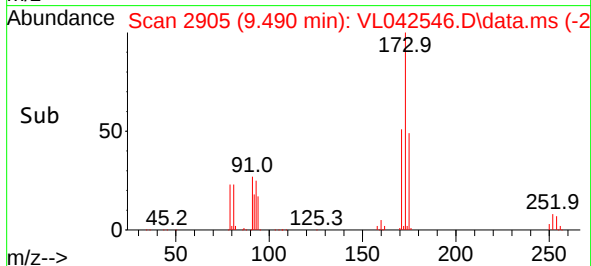
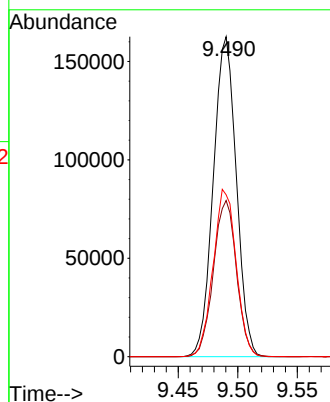
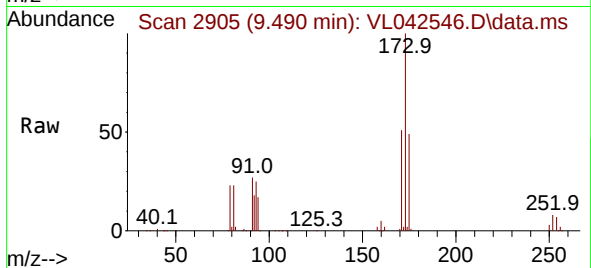
VSTDICCC010

Tgt Ion:173 Resp: 218558
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.2 58.8
 171 52.4 41.9 62.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#50

4-Methyl-2-Pentanone

Concen: 11.049 ppbv

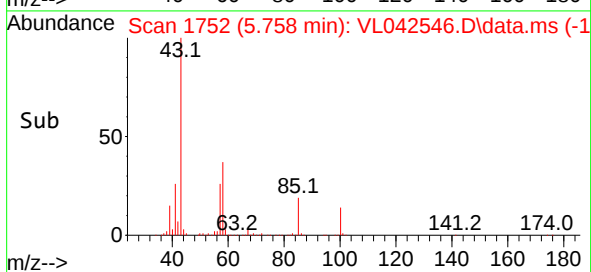
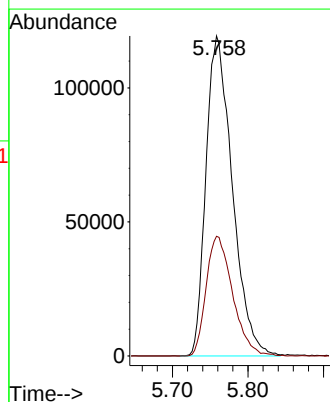
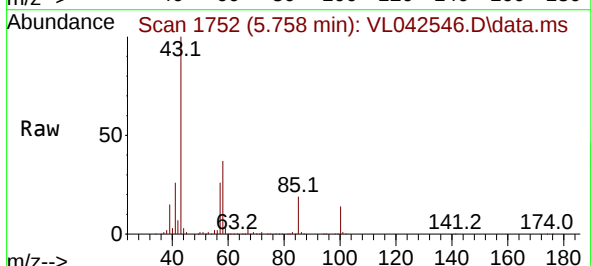
RT: 5.758 min Scan# 1752

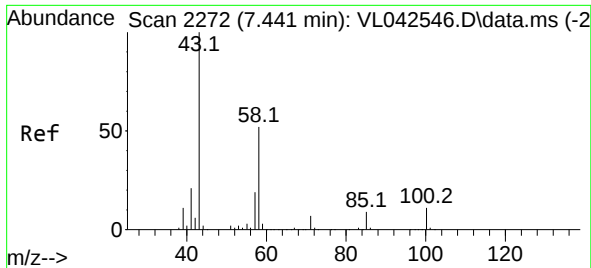
Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Tgt Ion: 43 Resp: 289347
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.0 45.0





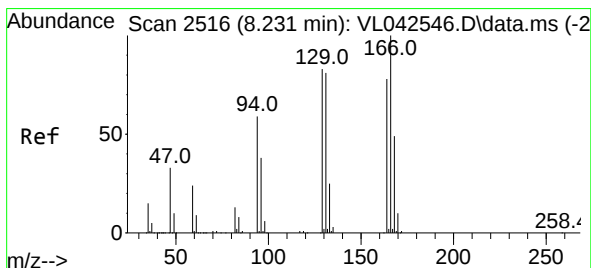
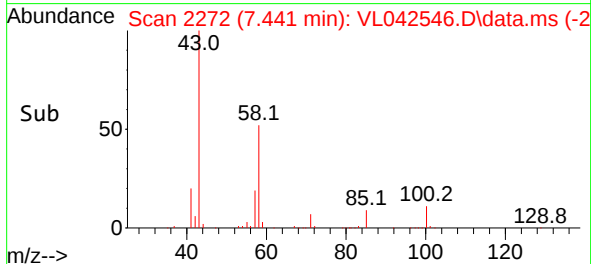
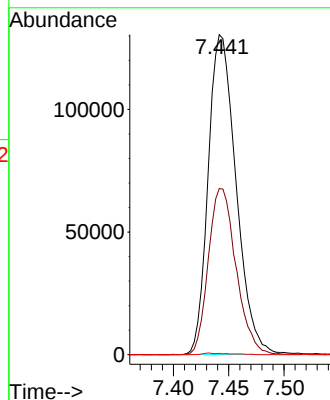
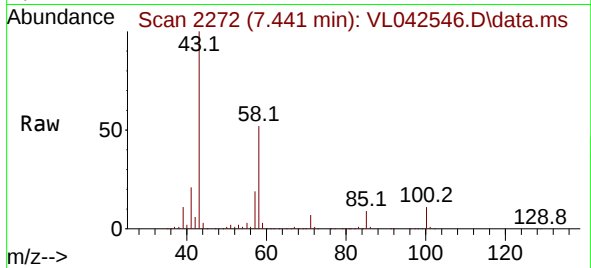
#51
2-Hexanone
Concen: 11.869 ppbv
RT: 7.441 min Scan# 2272
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 228279
Ion Ratio Lower Upper
43 100
58 51.8 41.4 62.2
98 0.5 0.4 0.6

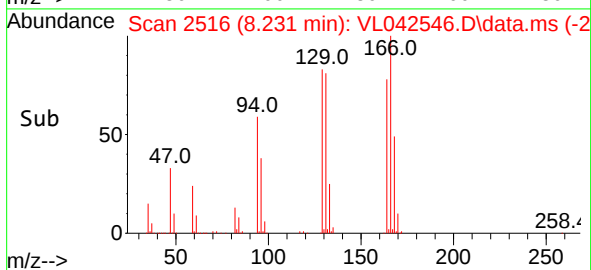
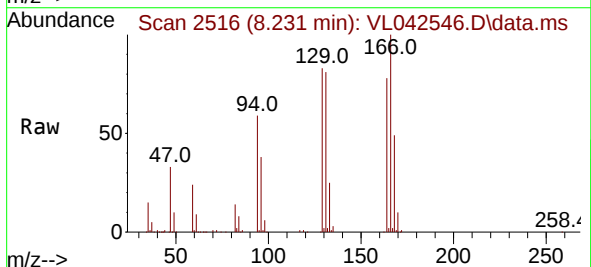
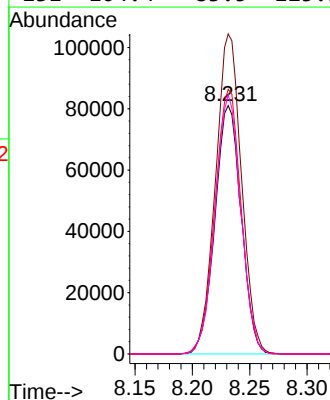
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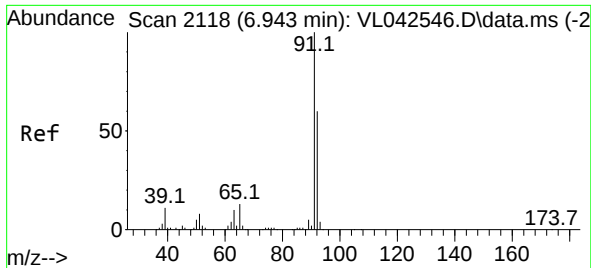
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#52
Tetrachloroethene
Concen: 9.903 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

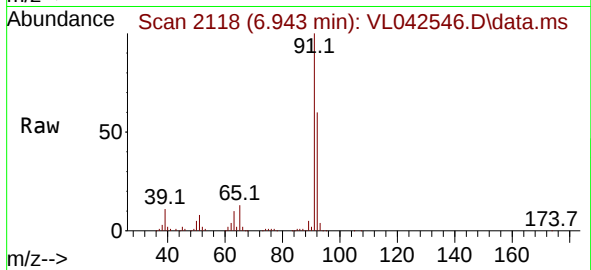
Tgt Ion:164 Resp: 128749
Ion Ratio Lower Upper
164 100
166 128.9 103.1 154.7
129 106.6 85.3 127.9
131 104.4 83.5 125.3





#53
Toluene
Concen: 11.054 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

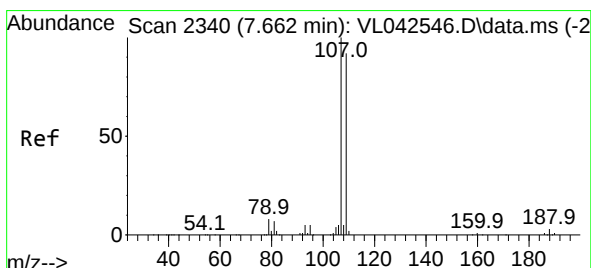
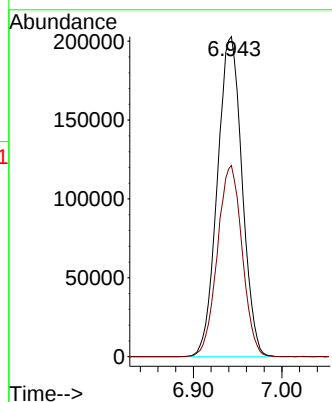
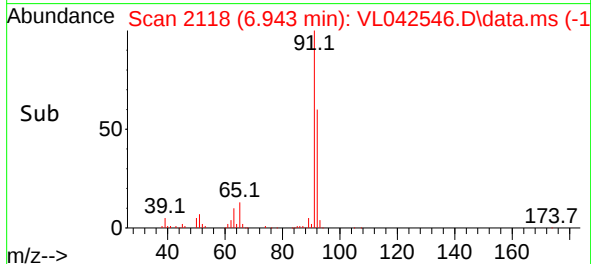
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



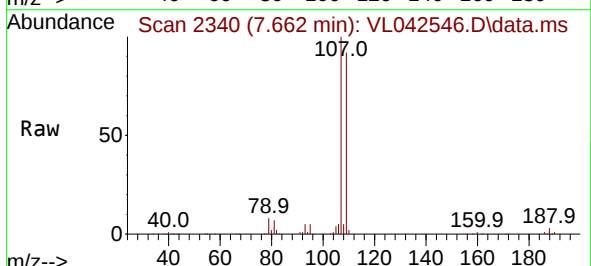
Tgt Ion: 91 Resp: 393948
Ion Ratio Lower Upper
91 100
92 59.8 47.8 71.8

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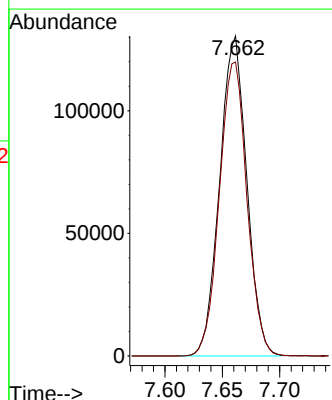
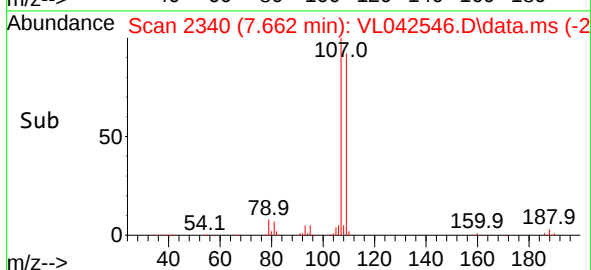
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

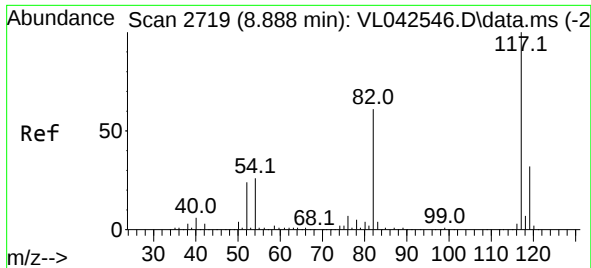


#54
1,2-Dibromoethane
Concen: 10.520 ppbv
RT: 7.662 min Scan# 2340
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



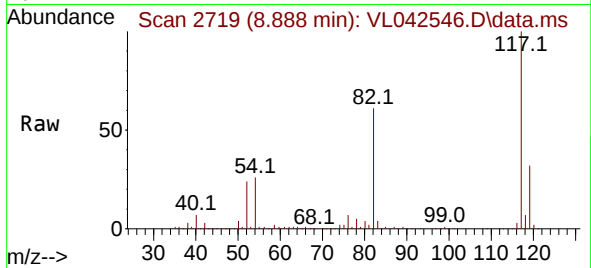
Tgt Ion:107 Resp: 214451
Ion Ratio Lower Upper
107 100
109 91.8 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

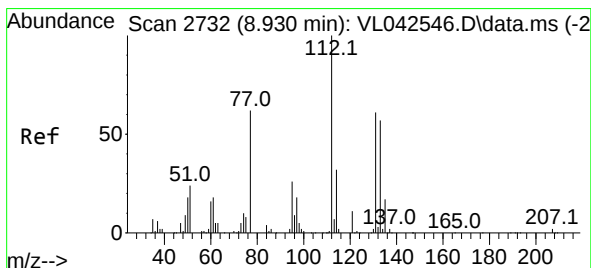
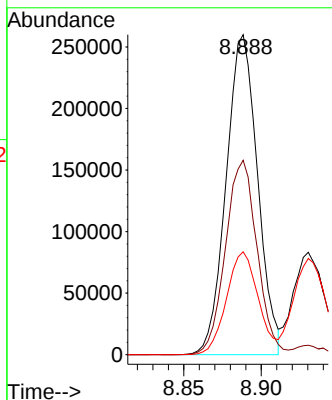
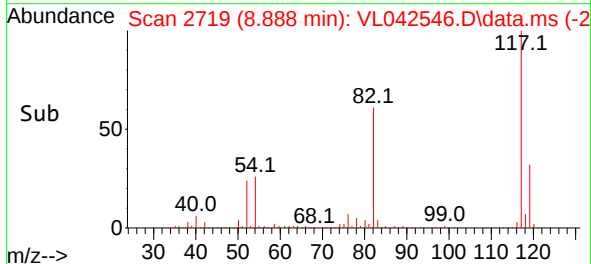
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:117 Resp: 36749
Ion Ratio Lower Upper
117 100
82 63.7 51.0 76.4
119 33.7 27.0 40.4

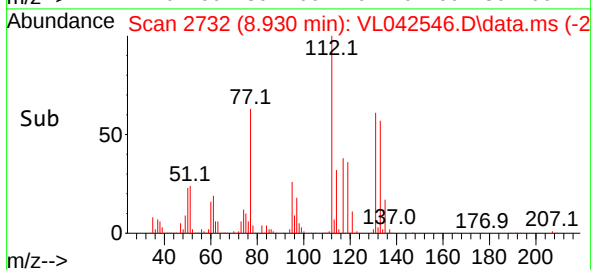
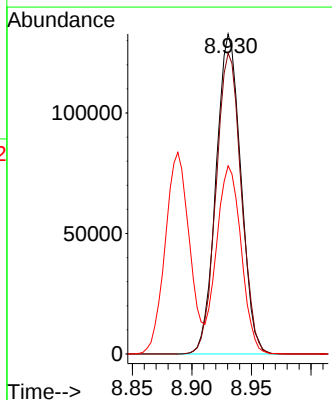
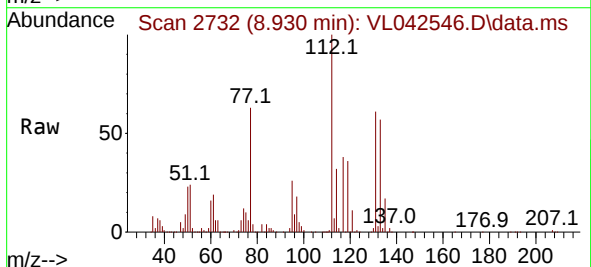
Manual Integrations
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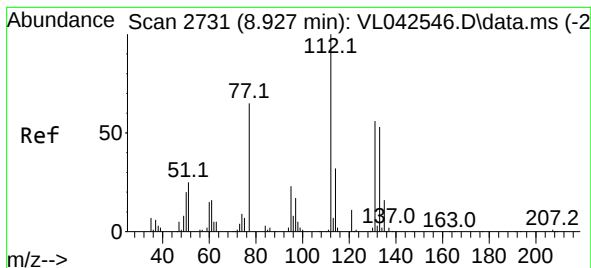
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.788 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Tgt Ion:131 Resp: 191773
Ion Ratio Lower Upper
131 100
133 95.4 76.3 114.5
119 59.4 47.5 71.3





#57

Chlorobenzene

Concen: 9.725 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_1

ClientSampleId :

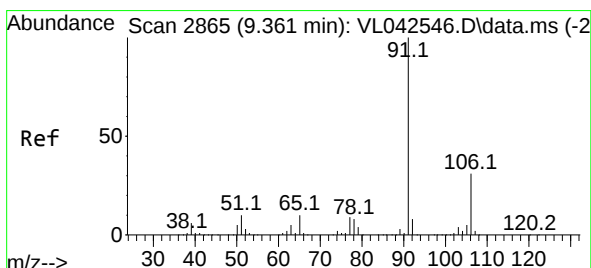
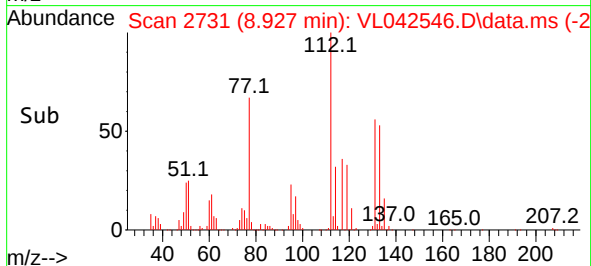
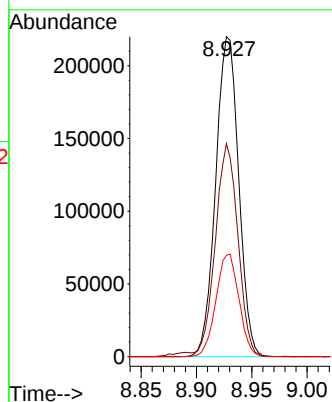
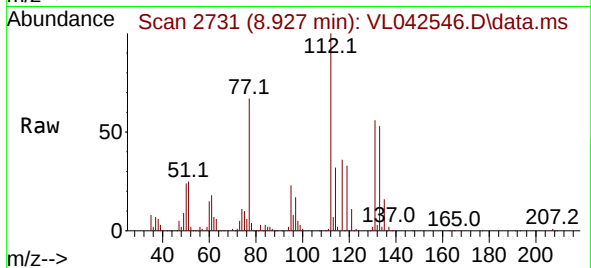
VSTDICCC010

Tgt Ion:	112	Resp:	31836
Ion Ratio	Lower	Upper	
112	100		
77	66.5	53.2	79.8
114	31.6	28.4	34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#58

Ethyl Benzene

Concen: 11.383 ppbv

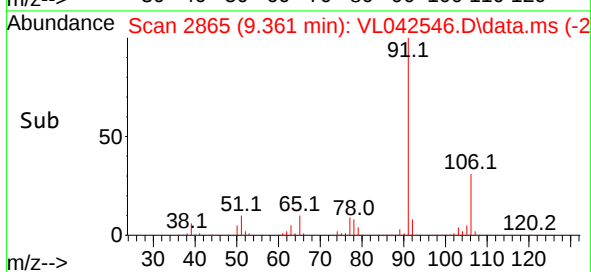
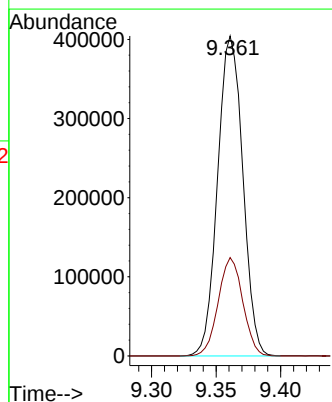
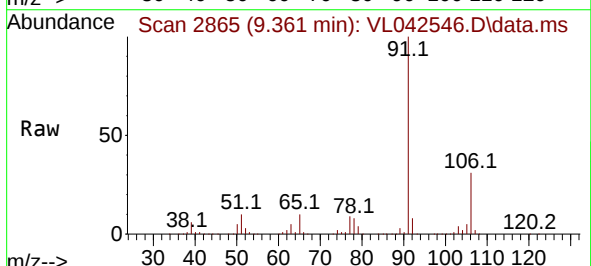
RT: 9.361 min Scan# 2865

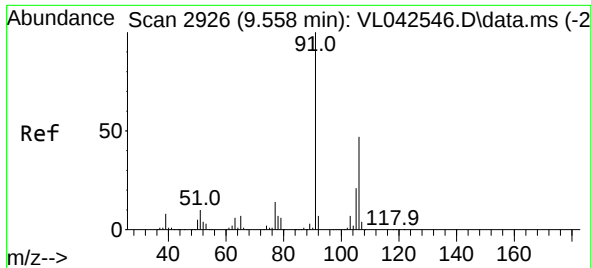
Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Tgt Ion:	91	Resp:	547642
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.6	37.0





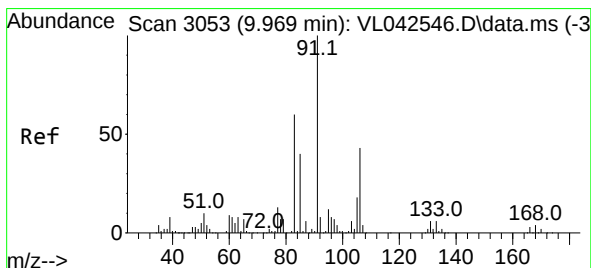
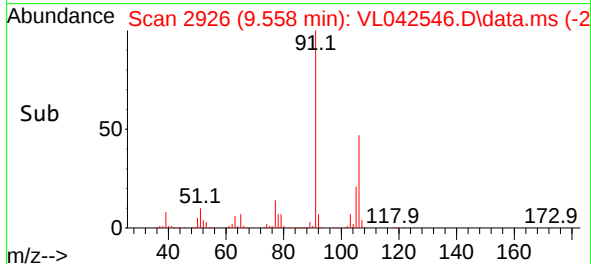
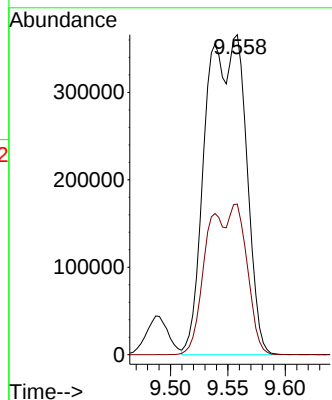
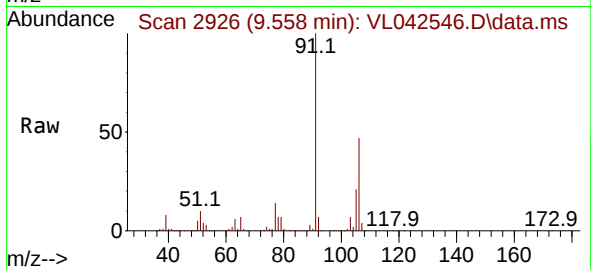
#59
m/p-Xylene
Concen: 21.881 ppbv m
RT: 9.558 min Scan# 2926
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 897860
Ion Ratio Lower Upper
91 100
106 46.4 37.1 55.7

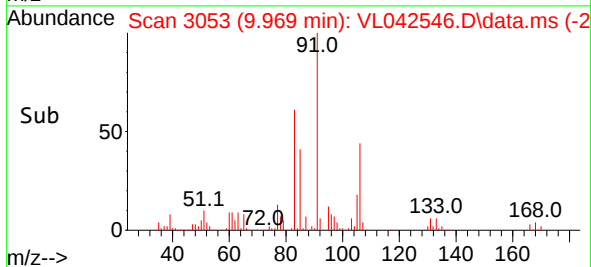
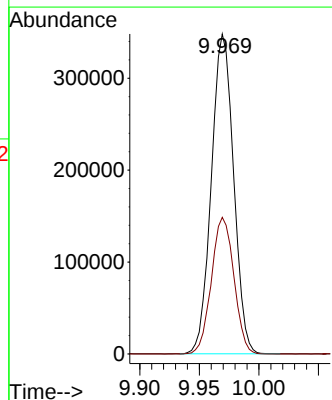
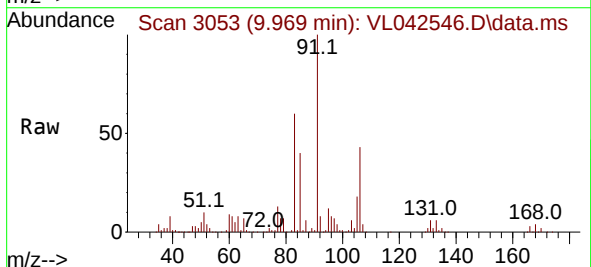
Manual Integrations
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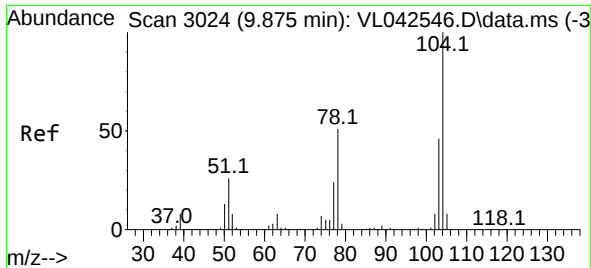
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#60
o-Xylene
Concen: 11.099 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Tgt Ion: 91 Resp: 450867
Ion Ratio Lower Upper
91 100
106 43.2 21.6 64.8





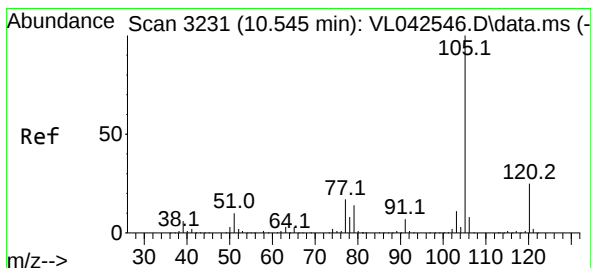
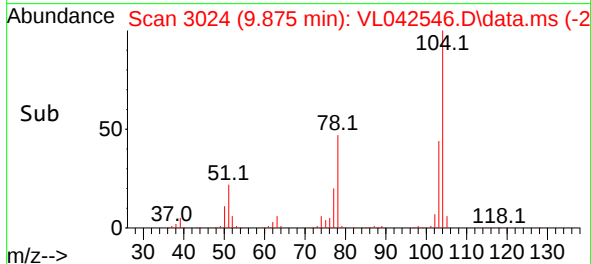
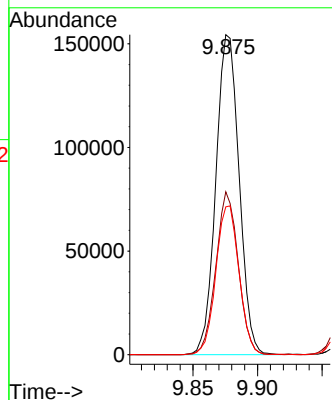
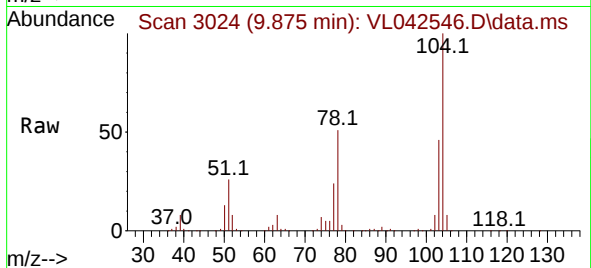
#61
Styrene
Concen: 12.413 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 19333
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 46.4 37.1 55.7

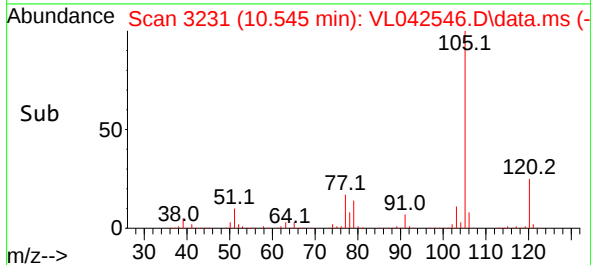
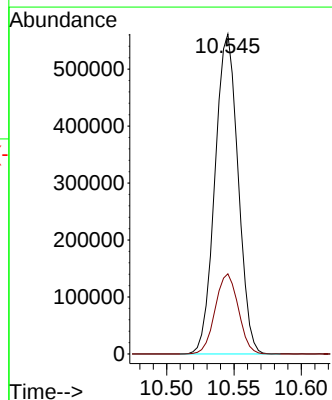
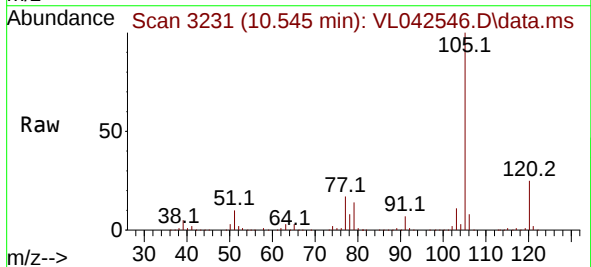
Manual Integrations
APPROVED

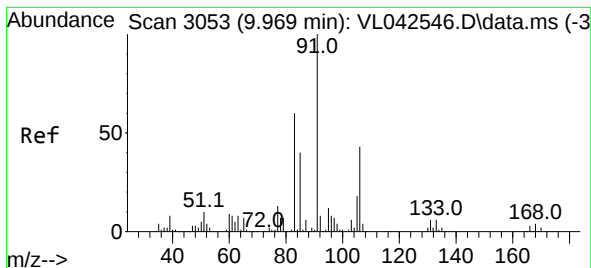
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#62
Isopropylbenzene
Concen: 10.760 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Tgt Ion:105 Resp: 669863
Ion Ratio Lower Upper
105 100
120 25.0 20.0 30.0





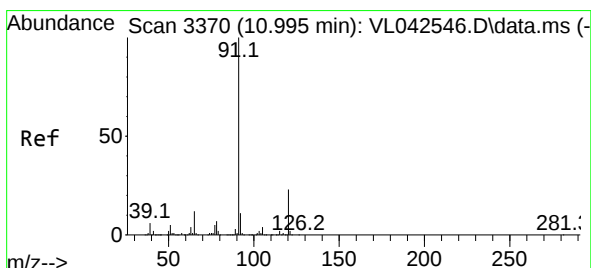
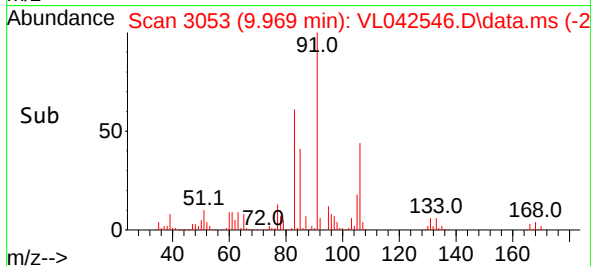
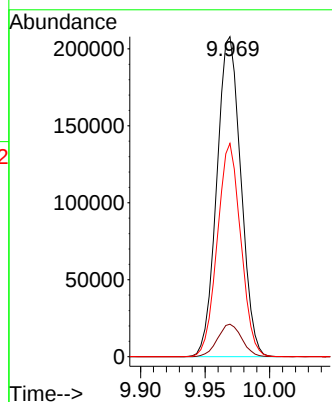
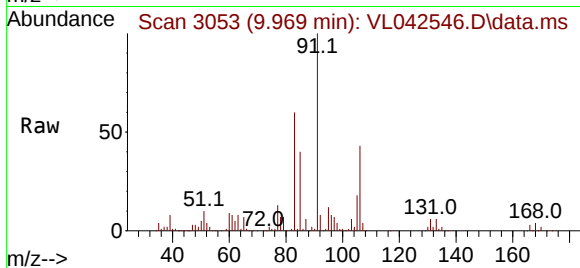
#63
1,1,2,2-Tetrachloroethane
Concen: 9.958 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 83 Resp: 269334
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.3
85 64.9 32.5 97.4

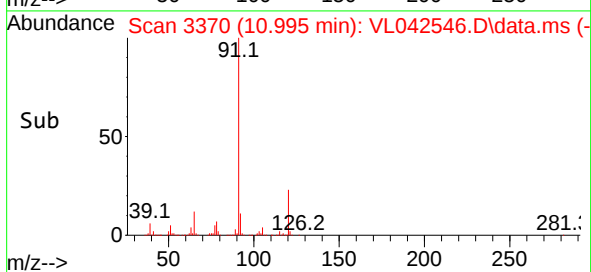
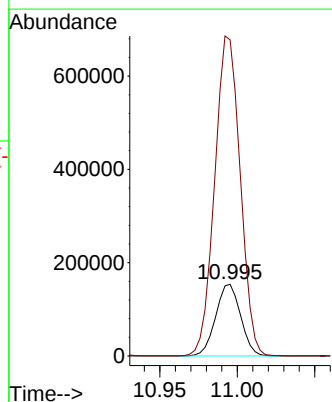
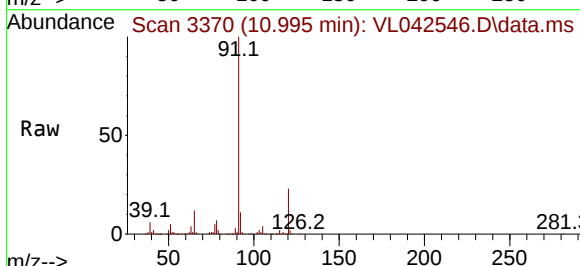
Manual Integrations
APPROVED

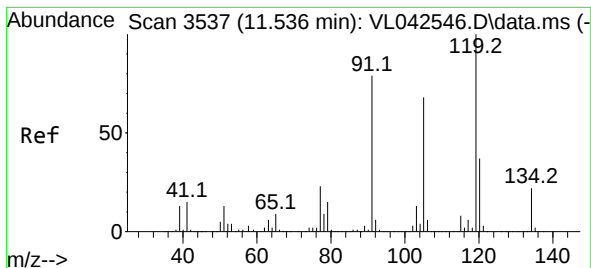
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#64
n-propylbenzene
Concen: 11.072 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

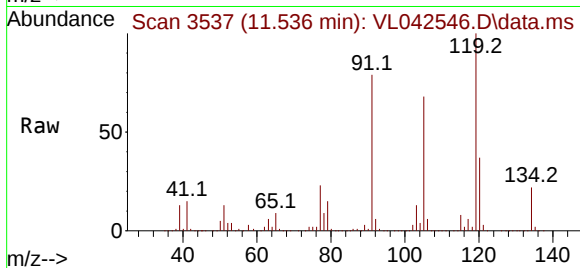
Tgt Ion:120 Resp: 171709
Ion Ratio Lower Upper
120 100
91 458.7 367.0 550.4





#65
tert-Butylbenzene
Concen: 10.851 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

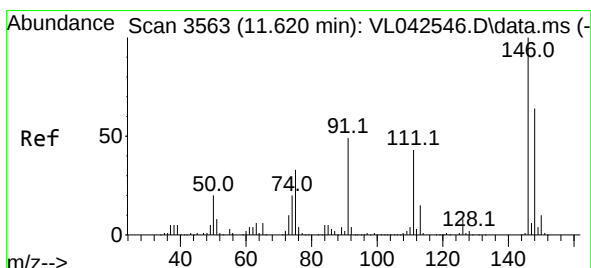
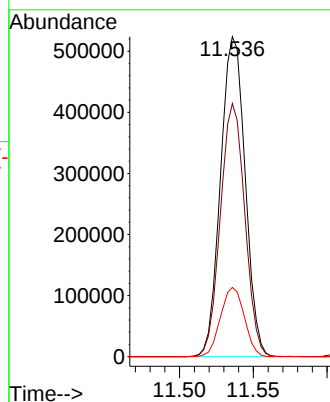
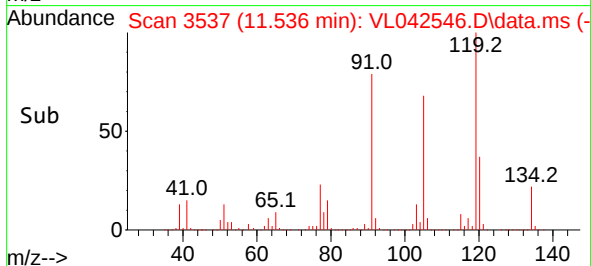
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



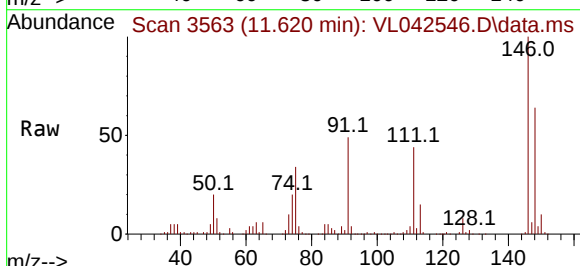
Tgt Ion:119 Resp: 607642
Ion Ratio Lower Upper
119 100
91 78.4 62.7 94.1
134 21.0 16.8 25.2

Manual Integrations
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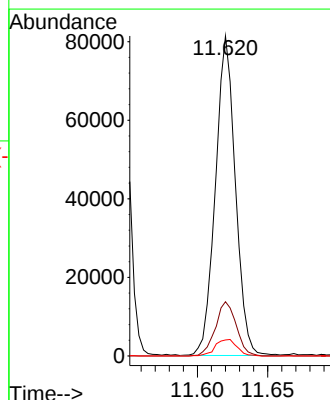
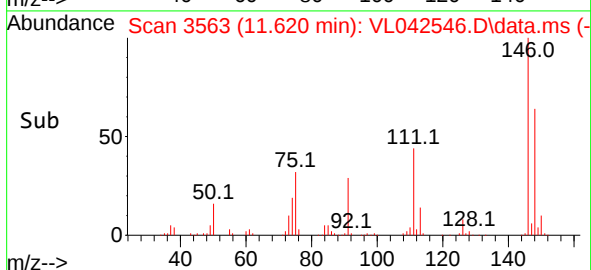
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

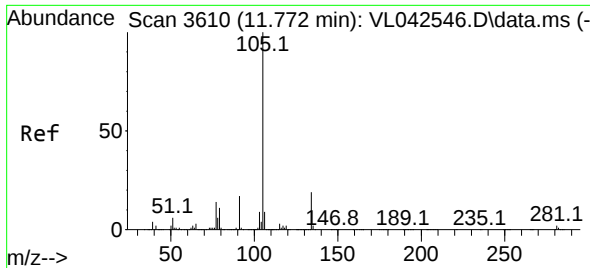


#66
Benzyl Chloride
Concen: 11.460 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



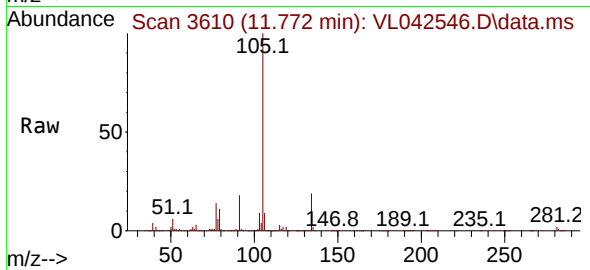
Tgt Ion: 91 Resp: 80291
Ion Ratio Lower Upper
91 100
126 17.7 14.2 21.2
128 5.7 4.6 6.8





#67
 sec-Butylbenzene
 Concen: 10.440 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

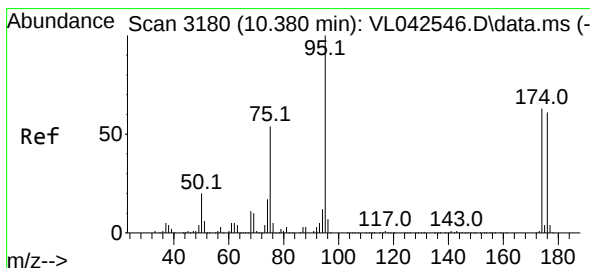
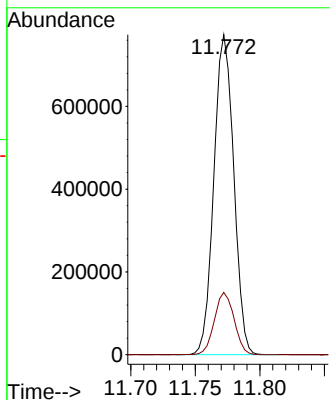
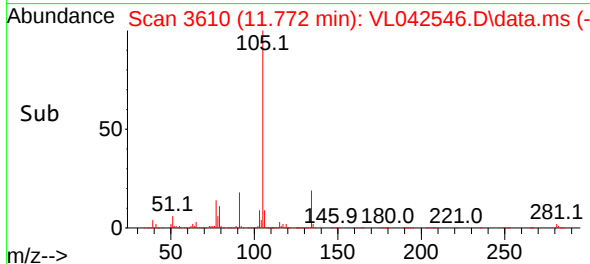
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:105 Resp: 825238
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.2

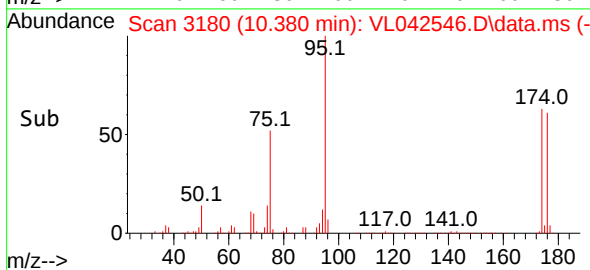
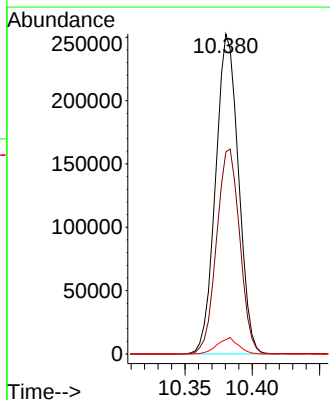
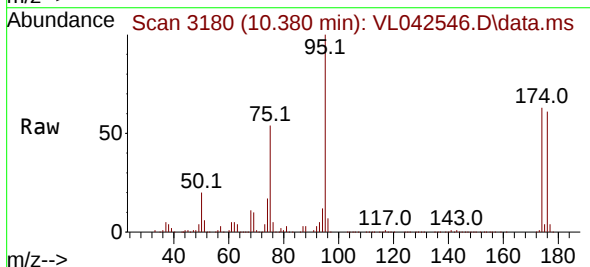
Manual Integrations
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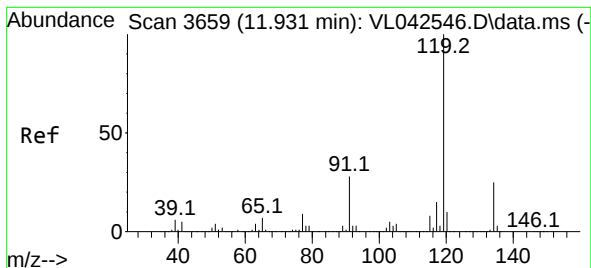
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.135 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

Tgt Ion: 95 Resp: 298085
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.0 78.0
 175 4.7 3.8 5.6





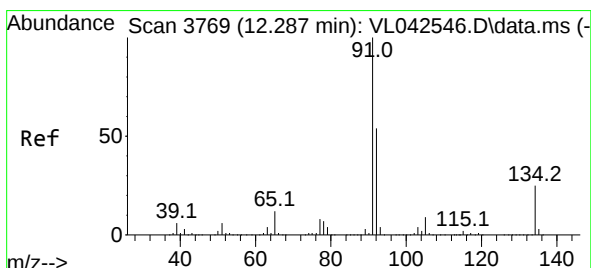
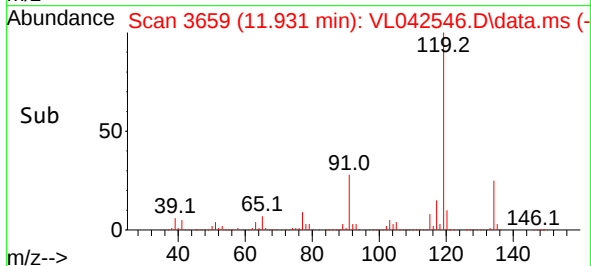
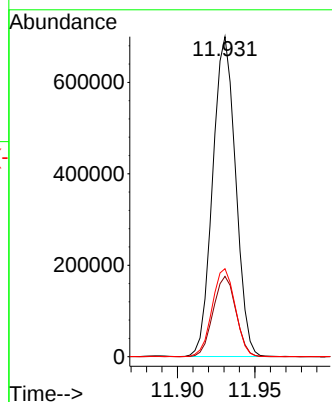
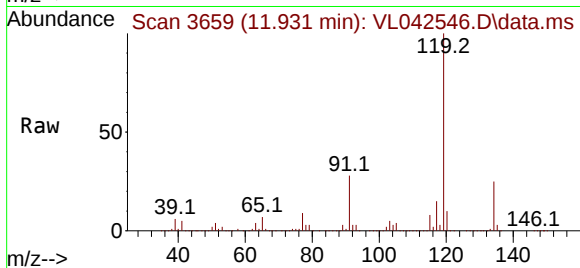
#69
p-Isopropyltoluene
Concen: 11.026 ppbv
RT: 11.931 min Scan# 3659
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 719762
Ion Ratio Lower Upper
119 100
134 25.1 20.1 30.1
91 27.9 22.3 33.5

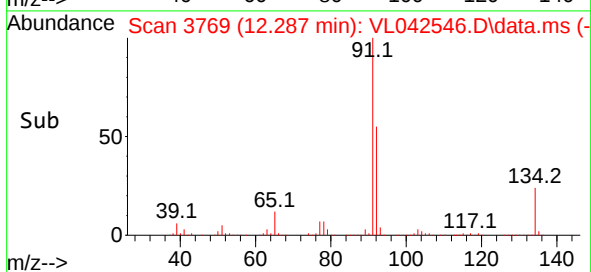
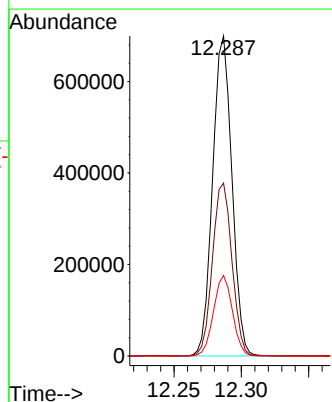
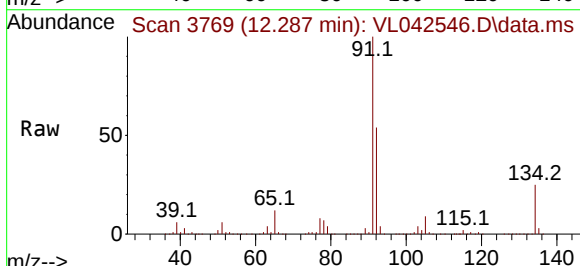
Manual Integrations
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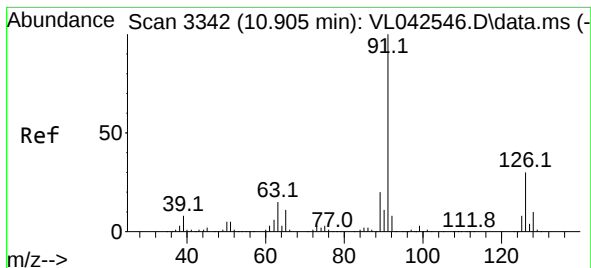
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#70
n-Butylbenzene
Concen: 11.288 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Tgt Ion: 91 Resp: 696250
Ion Ratio Lower Upper
91 100
92 54.7 43.8 65.6
134 24.6 19.7 29.5





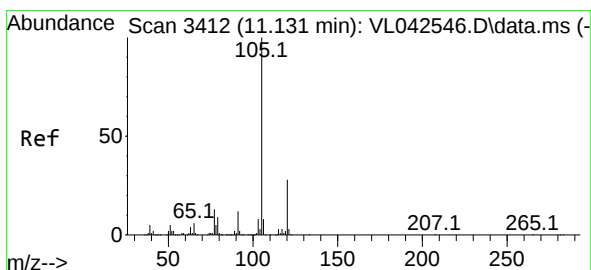
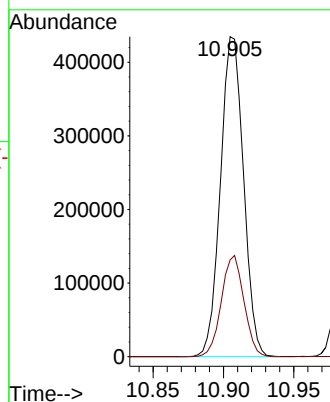
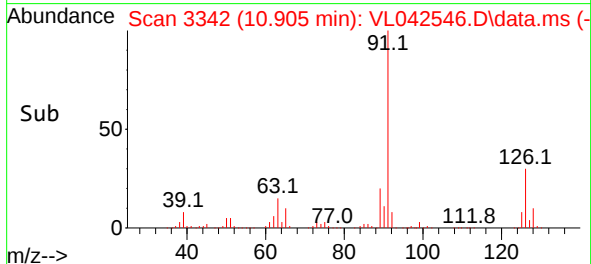
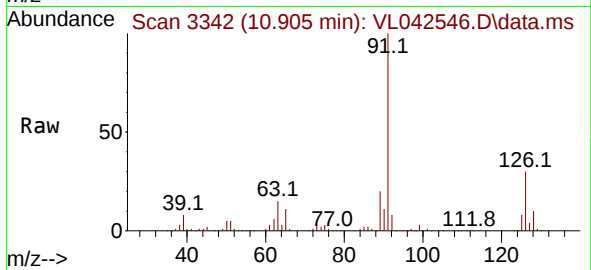
#71
2-Chlorotoluene
Concen: 11.092 ppbv
RT: 10.905 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 49698
Ion Ratio Lower Upper
91 100
126 30.9 12.4 49.4

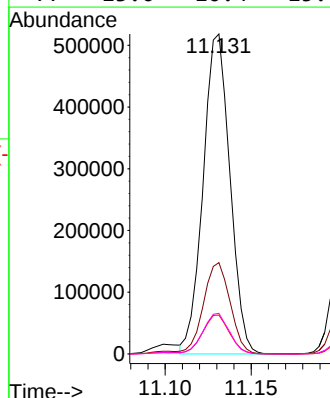
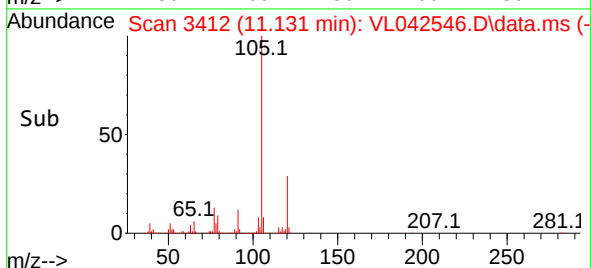
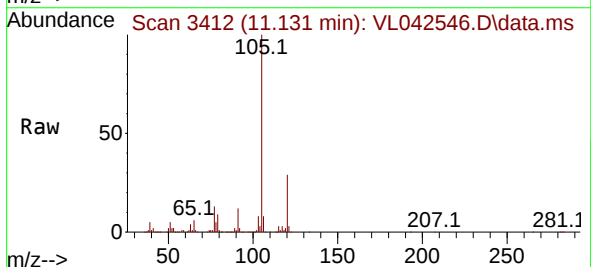
Manual Integrations
APPROVED

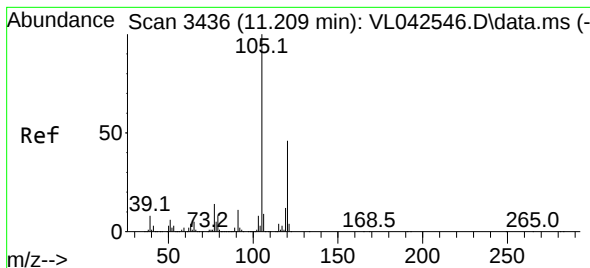
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#72
4-Ethyltoluene
Concen: 11.179 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

Tgt Ion:105 Resp: 561747
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.0
91 12.8 10.2 15.4
77 13.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 10.873 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:105 Resp: 47264

Ion Ratio Lower Upper

105 100

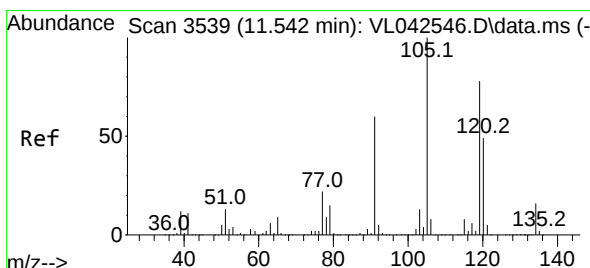
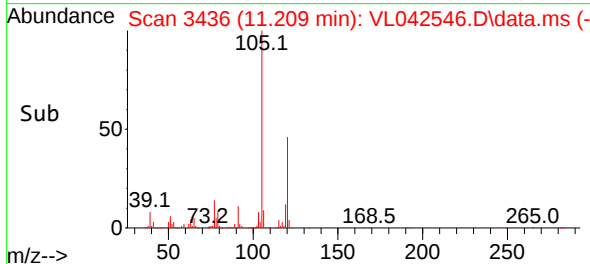
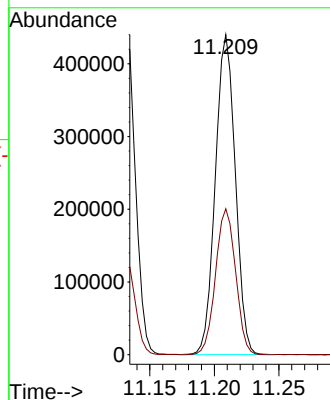
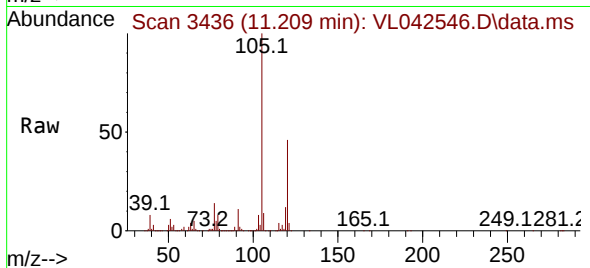
120 45.6 36.5 54.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#74

1,2,4-Trimethylbenzene

Concen: 10.152 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Tgt Ion:105 Resp: 532134

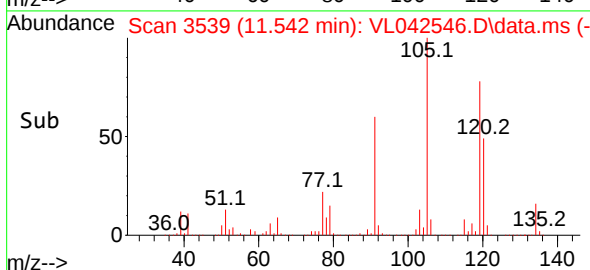
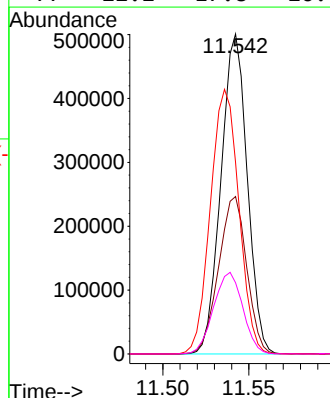
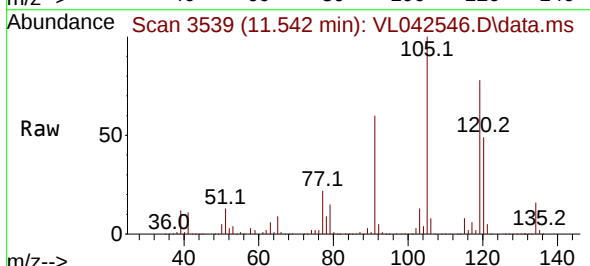
Ion Ratio Lower Upper

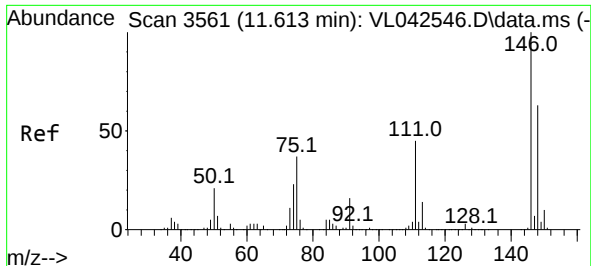
105 100

120 49.2 39.4 59.0

91 59.8 47.8 71.8

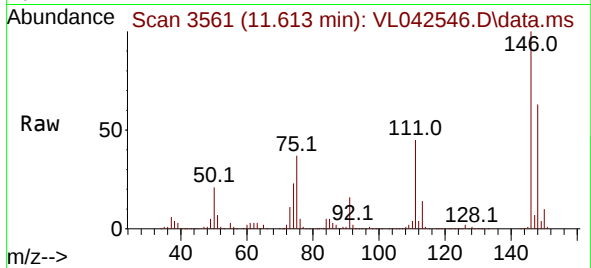
77 22.2 17.8 26.6





#75
1,3-Dichlorobenzene
Concen: 9.952 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12

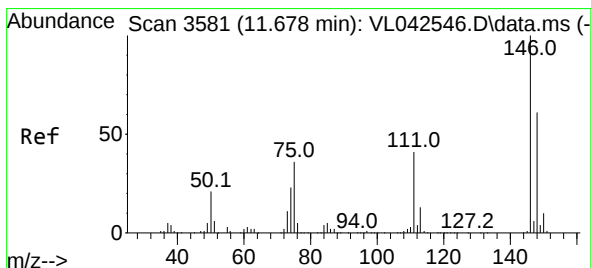
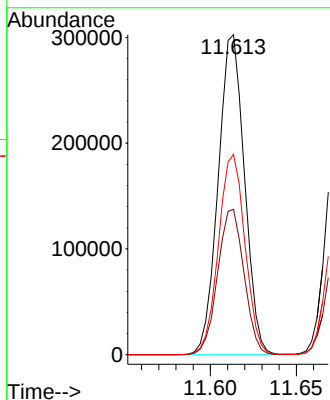
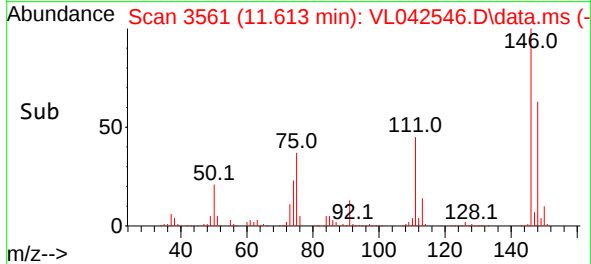
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



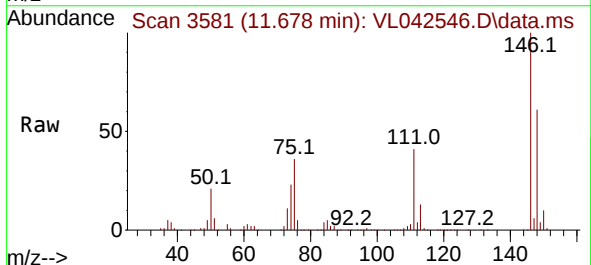
Tgt Ion:146 Resp: 321950
Ion Ratio Lower Upper
146 100
111 45.6 22.8 68.4
148 63.2 31.6 94.8

Manual Integrations
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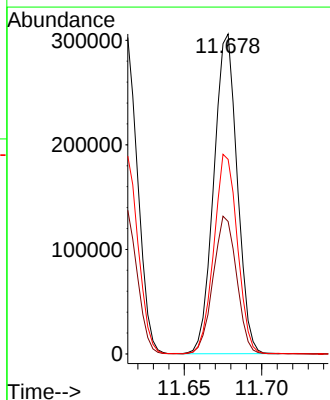
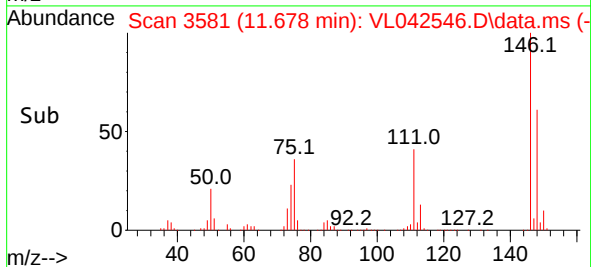
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

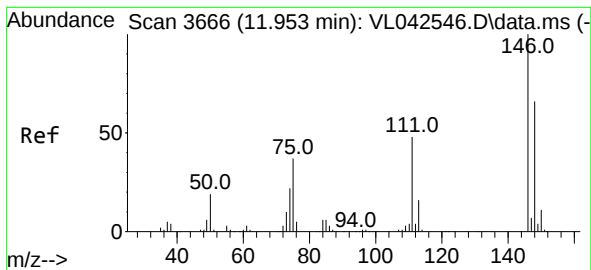


#76
1,4-Dichlorobenzene
Concen: 10.219 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VL042546.D
Acq: 20 May 2025 09:12



Tgt Ion:146 Resp: 321061
Ion Ratio Lower Upper
146 100
111 43.4 21.8 65.3
148 62.9 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 9.596 ppbv

RT: 11.953 min Scan# 30585

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:146 Resp: 30585

Ion Ratio Lower Upper

146 100

111 47.4 23.7 71.1

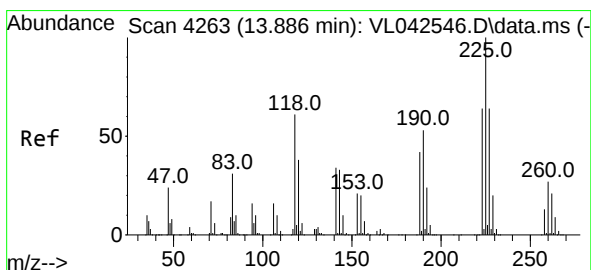
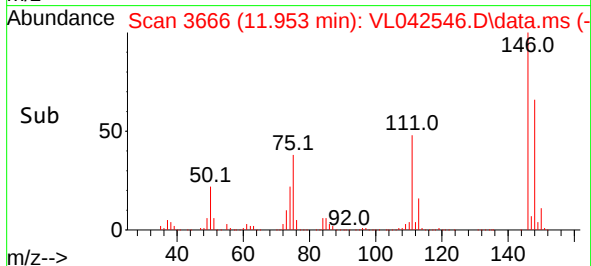
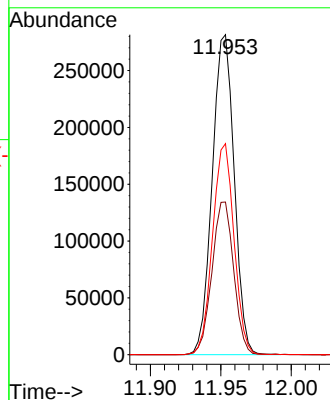
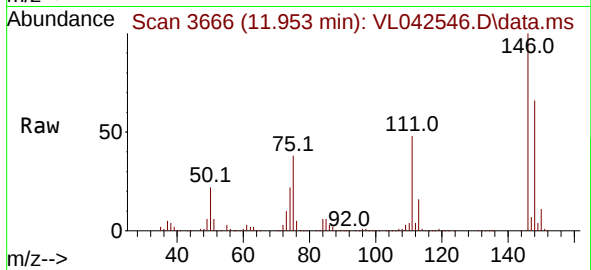
148 64.6 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025

Supervised By :Mahesh Dadoda 05/21/2025



#78

Hexachloro-1,3-Butadiene

Concen: 8.785 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

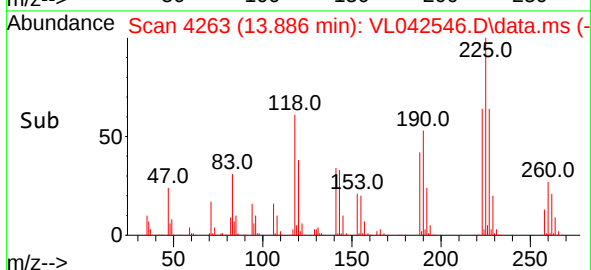
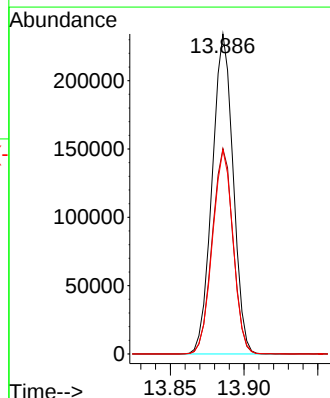
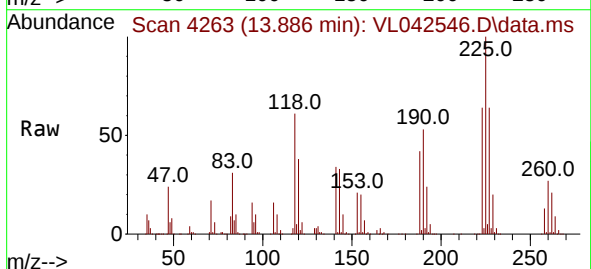
Tgt Ion:225 Resp: 231291

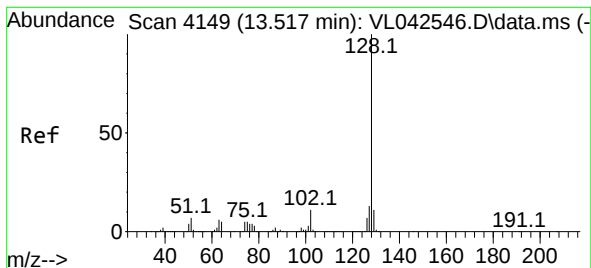
Ion Ratio Lower Upper

225 100

223 63.8 51.0 76.6

227 62.8 50.2 75.4





#79

Naphthalene

Concen: 12.504 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

Instrument :

MSVOA_L

ClientSampleId :

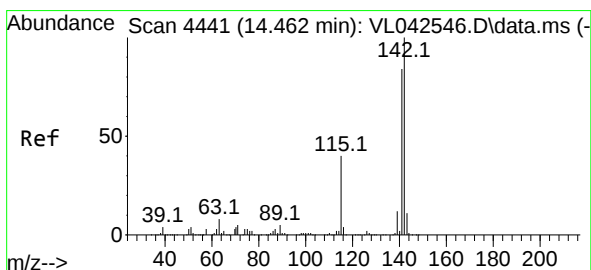
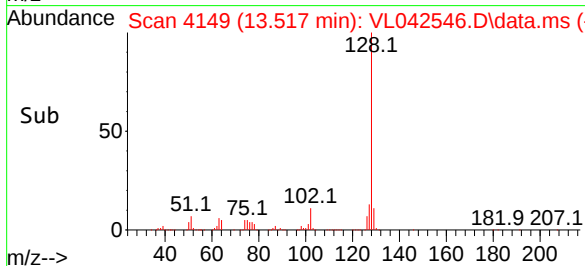
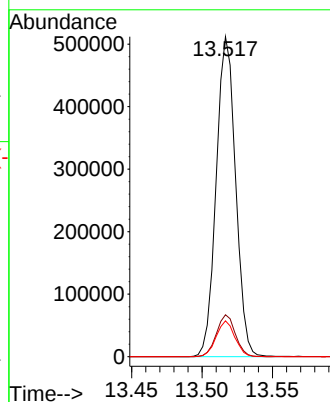
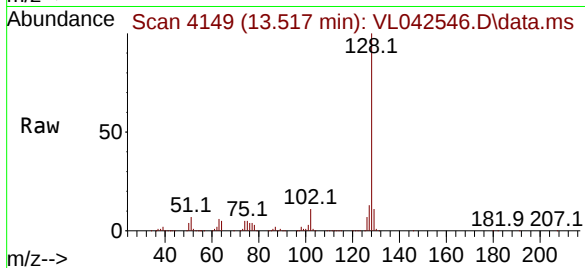
VSTDICCC010

Tgt Ion:128	Resp: 490590
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 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#80

Naphthalene,2-methyl-

Concen: 13.834 ppbv

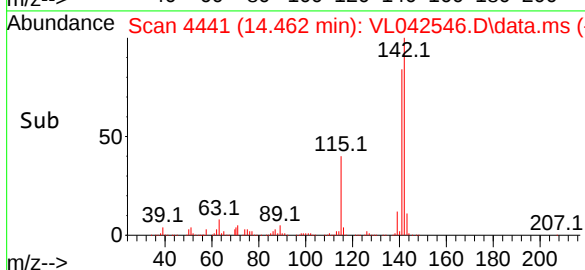
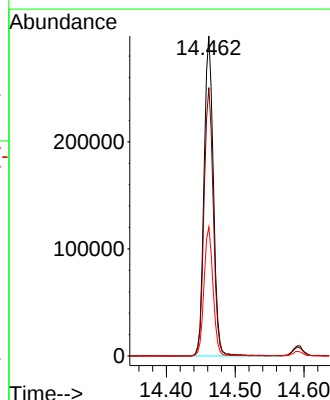
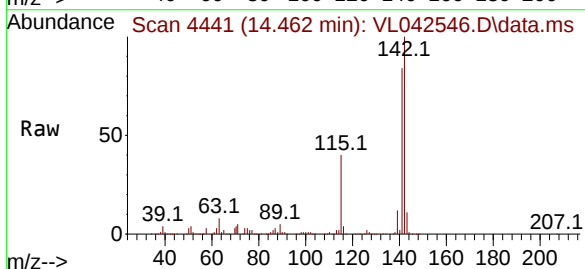
RT: 14.462 min Scan# 4441

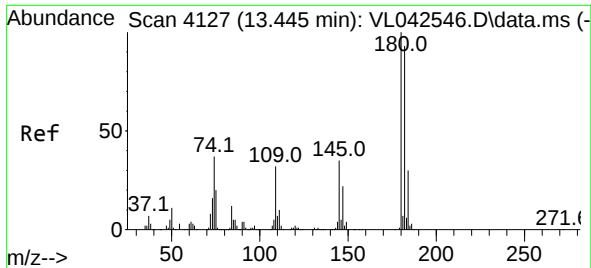
Delta R.T. 0.000 min

Lab File: VL042546.D

Acq: 20 May 2025 09:12

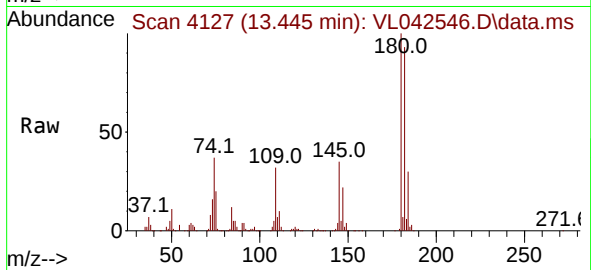
Tgt Ion:142	Resp: 279853
Ion Ratio	Lower Upper
142 100	
141 84.2	67.4 101.0
115 39.4	31.5 47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 11.197 ppbv
 RT: 13.445 min Scan# 4127
 Delta R.T. 0.000 min
 Lab File: VL042546.D
 Acq: 20 May 2025 09:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:180 Resp: 26418
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.6 113.4
 184 29.6 23.7 35.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

