

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042747.D
 Acq On : 23 Jul 2025 08:58
 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 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 04:56:07 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 2025

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	159080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	462763	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	422206	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 338271 10.117 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	190592	9.062	ppbv	100
3) Chlorodifluoromethane	1.476	51	258542	9.436	ppbv	100
4) Chloromethane	1.531	50	77006	9.050	ppbv	100
5) Vinyl Chloride	1.580	62	65346	7.773	ppbv	100
6) Bromomethane	1.667	94	28292	8.705	ppbv	100
7) Chloroethane	1.703	64	28085	8.646	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	155875	9.011	ppbv	100
9) Propene	1.483	41	94480	9.488	ppbv	100
10) Heptane	4.975	43	259821	9.701	ppbv	100
11) Trichlorofluoromethane	1.878	101	194964	8.992	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	2.140	101	149612	9.081	ppbv	100
13) Ethanol	1.719	45	7949	9.867	ppbv	97
14) Bromoethene	1.780	108	53625	9.193	ppbv	100
15) Acetone	1.835	43	158714	7.225	ppbv	100
16) 1,3-Butadiene	1.609	39	80968	8.642	ppbv	100
17) tert-Butyl alcohol	2.039	59	185262	9.351	ppbv	100
18) 1,1-Dichloroethene	2.033	96	64224	8.627	ppbv	100
19) Isopropyl Alcohol	1.884	45	104903	8.987	ppbv	100
20) Methylene Chloride	2.059	84	53581	7.740	ppbv	100
21) Allyl Chloride	2.094	41	127021	9.382	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	73152	9.148	ppbv	100
23) Vinyl Acetate	2.460	43	271125	10.181	ppbv	100
24) 1,1-Dichloroethane	2.408	63	150257	9.141	ppbv	100
25) Ethyl Acetate	2.832	43	469997	9.666	ppbv	100
26) Hexane	2.826	57	203800	9.555	ppbv	100
27) Carbon Disulfide	2.149	76	173105	9.480	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	88372	8.770	ppbv	100
29) Chloroform	2.845	83	304670	9.244	ppbv	100
30) Cyclohexane	3.852	84	178948	9.892	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	207751	9.479	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	311368	9.069	ppbv	100
34) 2-Butanone	2.554	43	306858	9.361	ppbv	100
35) Carbon Tetrachloride	3.758	117	324501	9.436	ppbv	100
36) Benzene	3.654	78	414863	9.459	ppbv	100
37) 1,2-Dichloroethane	3.217	62	248414	9.403	ppbv	100
38) Trichloroethene	4.545	130	188750	8.926	ppbv	100
39) 1,2-Dichloropropane	4.311	63	149771	9.251	ppbv	100
40) 1,4-Dioxane	4.580	88	65413	8.569	ppbv #	100
41) Tetrahydrofuran	3.049	42	167323	10.160	ppbv	100
42) Bromodichloromethane	4.483	83	334531	9.713	ppbv	100
43) Methyl Methacrylate	4.875	69	161053	10.331	ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	687885	9.623	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	185965	10.633	ppbv	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

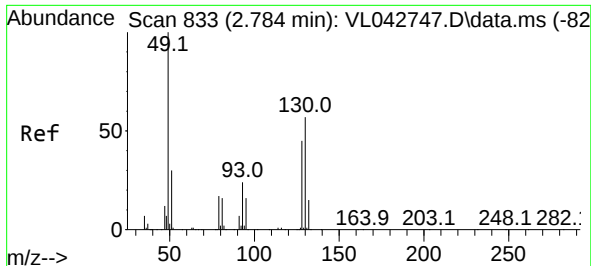
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

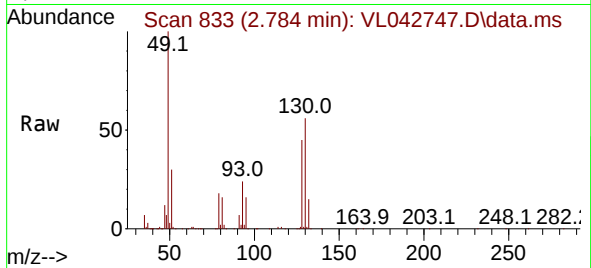
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	234594	10.587	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	160431	9.297	ppbv	100
48) Dibromochloromethane	7.383	129	277832	10.141	ppbv	100
49) Bromoform	9.480	173	244997	10.256	ppbv	100
50) 4-Methyl-2-Pentanone	5.745	43	413966	9.914	ppbv	100
51) 2-Hexanone	7.432	43	336048	10.532	ppbv	100
52) Tetrachloroethene	8.225	164	156930	8.609	ppbv	100
53) Toluene	6.930	91	472953	10.042	ppbv	100
54) 1,2-Dibromoethane	7.648	107	238045	9.745	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	204205	9.302	ppbv	100
57) Chlorobenzene	8.920	112	371117	9.082	ppbv	100
58) Ethyl Benzene	9.354	91	655020	9.824	ppbv	100
59) m/p-Xylene	9.552	91	1042332m	19.555	ppbv	
60) o-Xylene	9.963	91	517292	9.715	ppbv	100
61) Styrene	9.869	104	236709	10.568	ppbv	100
62) Isopropylbenzene	10.539	105	757219	9.641	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	292568	8.434	ppbv	100
64) n-propylbenzene	10.989	120	198109	9.675	ppbv	100
65) tert-Butylbenzene	11.529	119	678174	9.721	ppbv	100
66) Benzyl Chloride	11.617	91	66954	11.691	ppbv	100
67) sec-Butylbenzene	11.765	105	939396	9.468	ppbv	100
69) p-Isopropyltoluene	11.924	119	814010	10.061	ppbv	100
70) n-Butylbenzene	12.280	91	818457	10.473	ppbv	100
71) 2-Chlorotoluene	10.898	91	584629	9.708	ppbv	100
72) 4-Ethyltoluene	11.125	105	643519	10.120	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	538451	10.285	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	584447	10.232	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	374587	9.355	ppbv	100
76) 1,4-Dichlorobenzene	11.672	146	378093	9.649	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	358206	9.102	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	300801	8.444	ppbv	100
79) Naphthalene	13.513	128	598108	9.665	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	289412	9.404	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	337776	9.710	ppbv	100

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

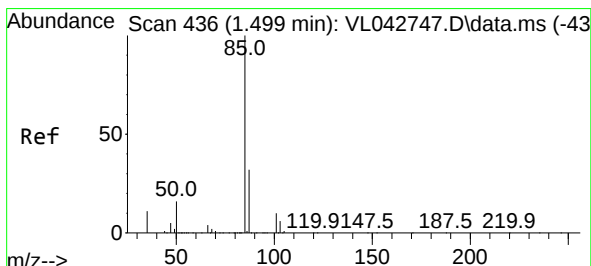
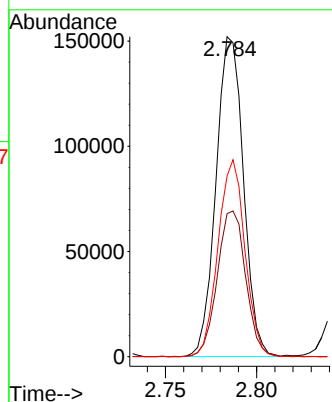
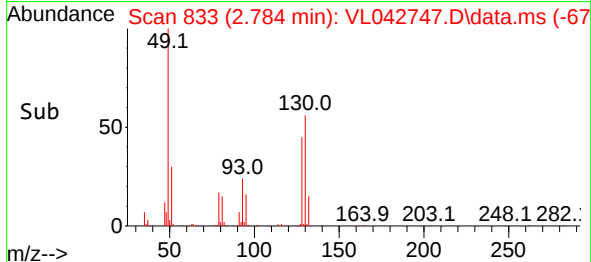
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



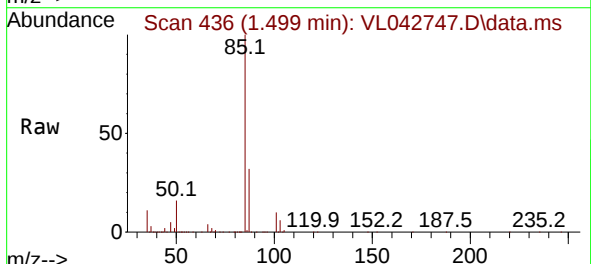
Tgt Ion: 49 Resp: 159080
Ion Ratio Lower Upper
49 100
128 47.3 23.6 71.0
130 60.5 30.3 90.8

Manual Integrations
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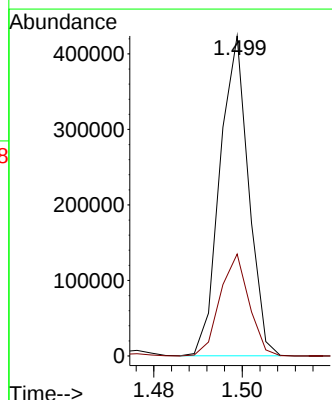
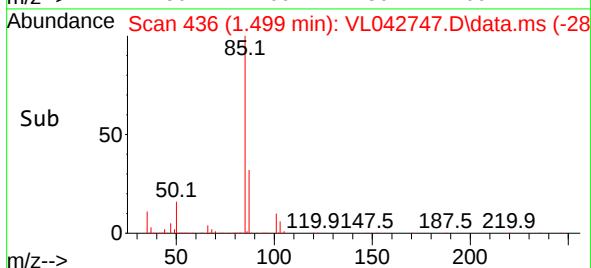
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#2
Dichlorodifluoromethane
Concen: 9.062 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion: 85 Resp: 190592
Ion Ratio Lower Upper
85 100
87 31.8 25.4 38.2





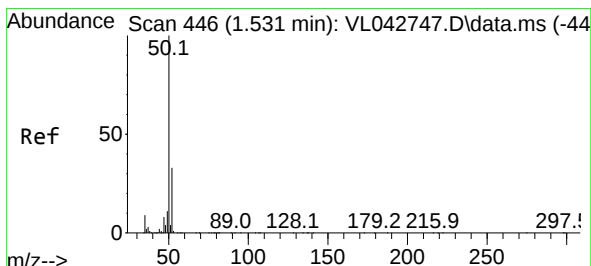
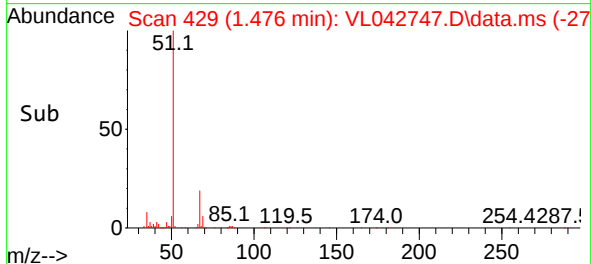
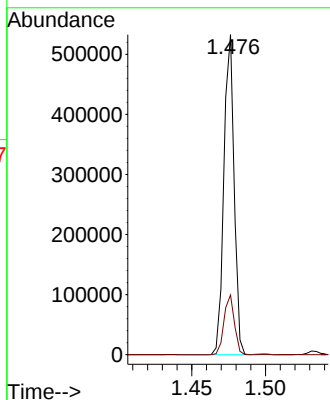
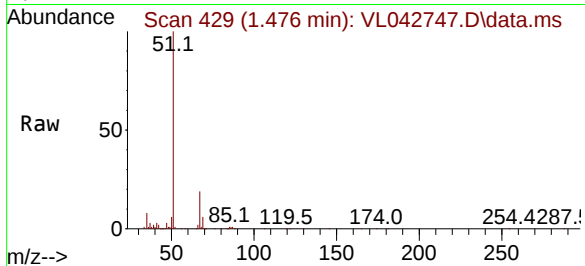
#3
Chlorodifluoromethane
Concen: 9.436 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 51 Resp: 25854
Ion Ratio Lower Upper
51 100
67 18.8 15.0 22.6

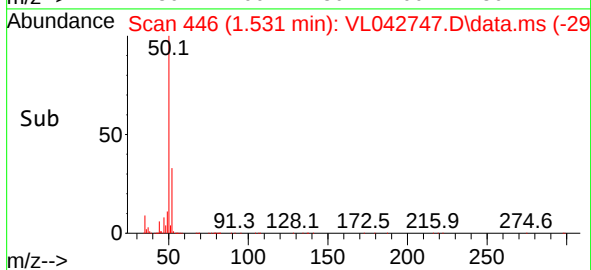
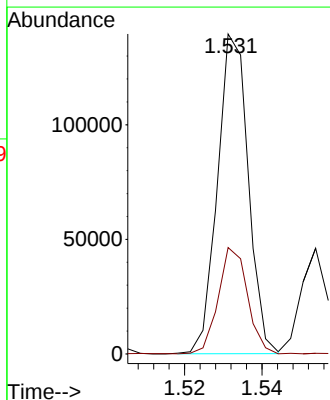
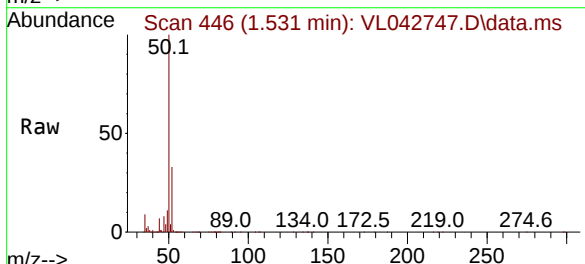
Manual Integrations
APPROVED

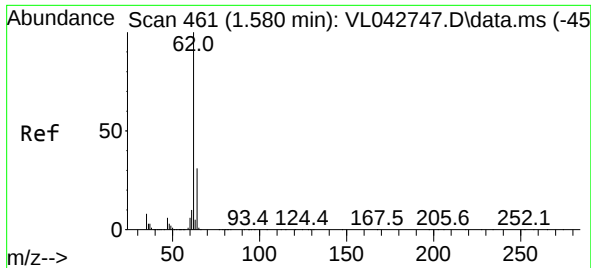
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#4
Chloromethane
Concen: 9.050 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 50 Resp: 77006
Ion Ratio Lower Upper
50 100
52 33.3 26.6 40.0





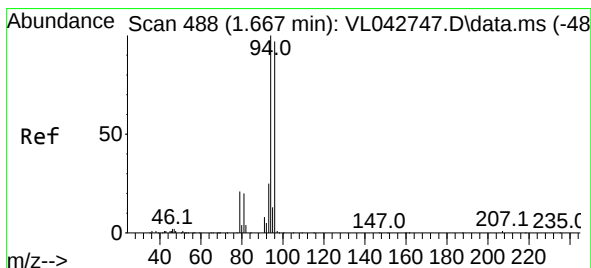
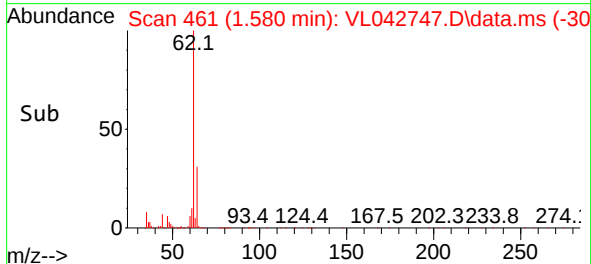
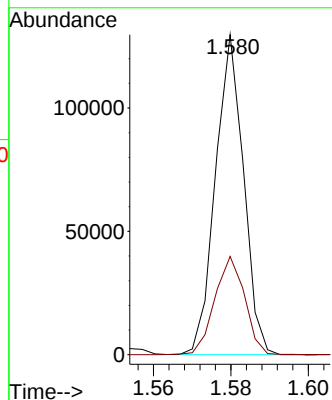
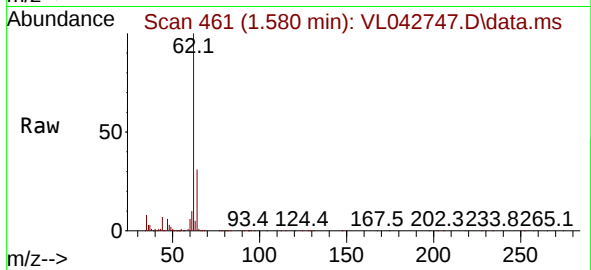
#5
 Vinyl Chloride
 Concen: 7.773 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 65340
 Ion Ratio Lower Upper
 62 100
 64 30.6 24.5 36.7

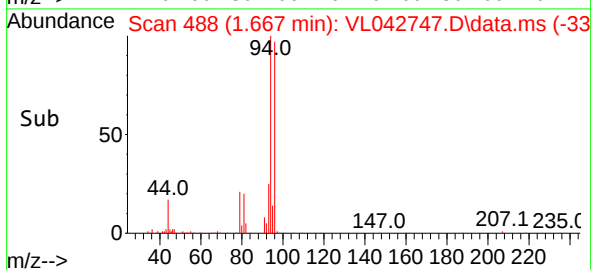
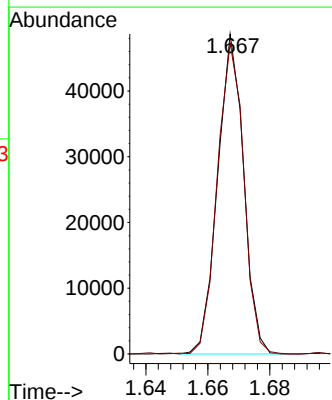
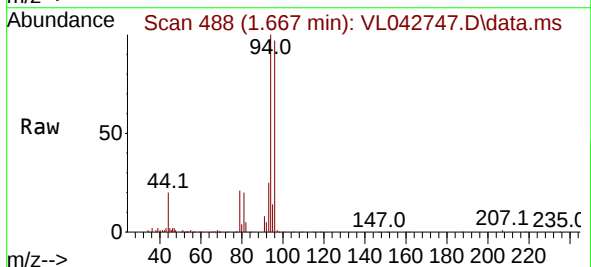
Manual Integrations
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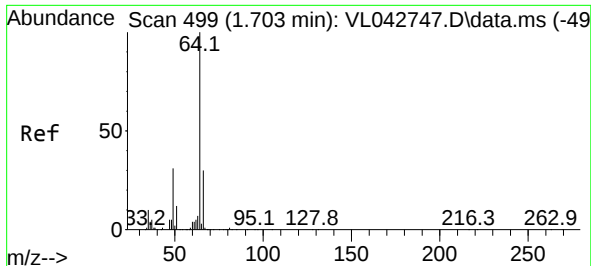
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#6
 Bromomethane
 Concen: 8.705 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

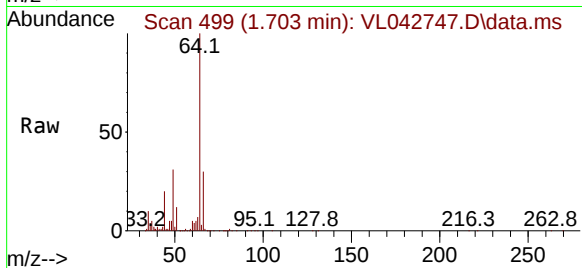
Tgt Ion: 94 Resp: 28292
 Ion Ratio Lower Upper
 94 100
 96 97.0 77.6 116.4





#7
Chloroethane
Concen: 8.646 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

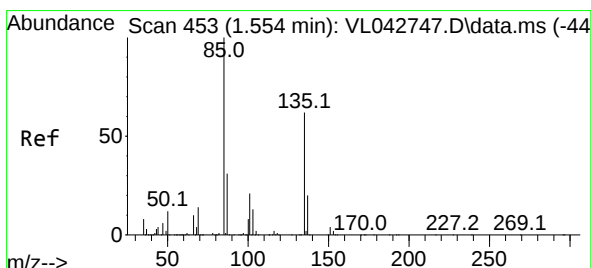
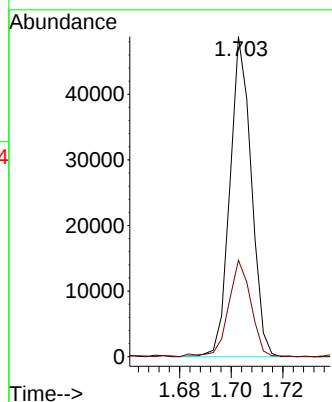
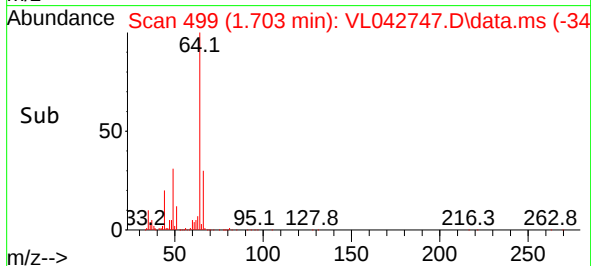
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



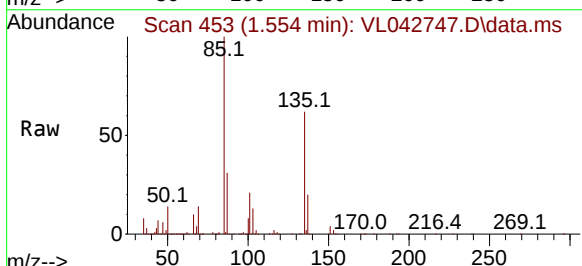
Tgt Ion: 64 Resp: 28085
Ion Ratio Lower Upper
64 100
66 30.1 24.1 36.1

Manual Integrations
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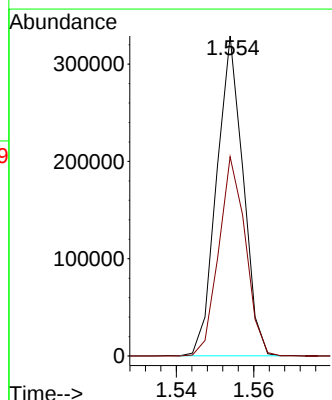
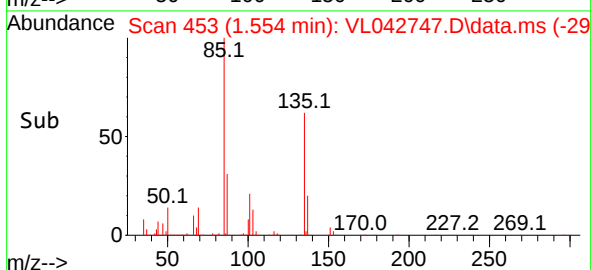
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

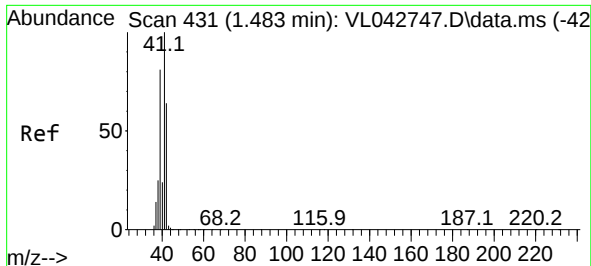


#8
Dichlorotetrafluoroethane
Concen: 9.011 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



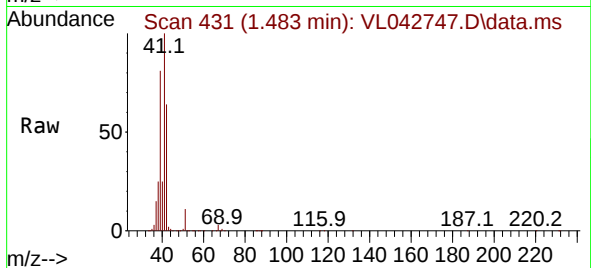
Tgt Ion: 85 Resp: 155875
Ion Ratio Lower Upper
85 100
135 63.3 50.6 76.0





#9
Propene
Concen: 9.488 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

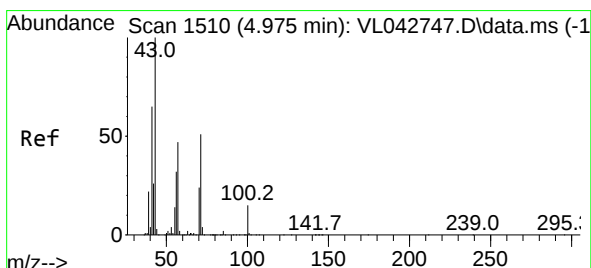
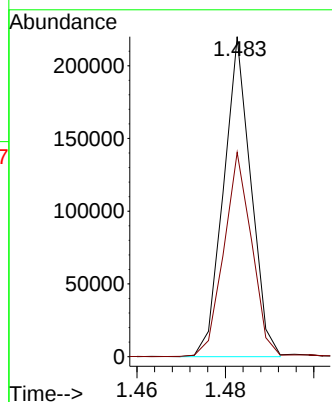
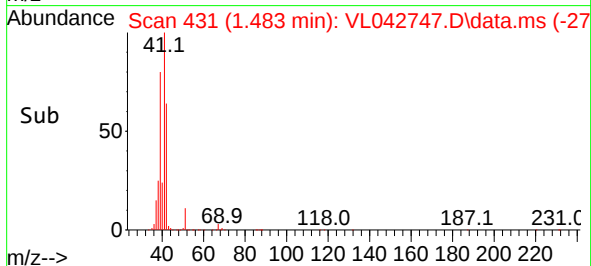
Instrument :
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VSTDICCC010



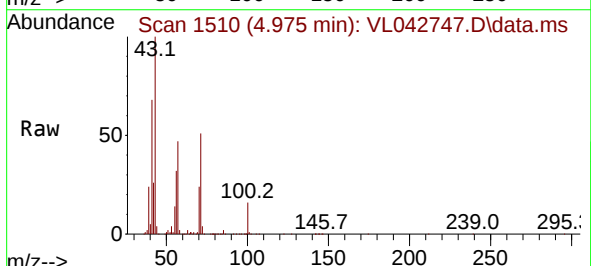
Tgt Ion: 41 Resp: 94480
Ion Ratio Lower Upper
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42 66.5 53.2 79.8

Manual Integrations
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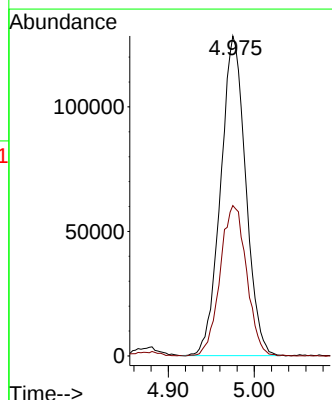
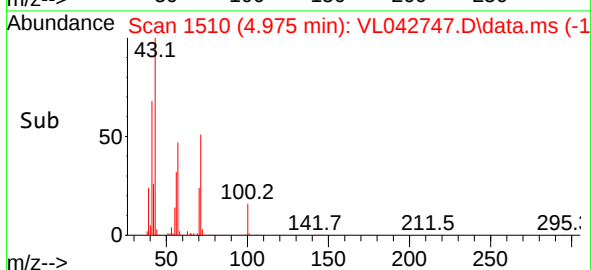
Reviewed By :Semsettin Yesilyurt 07/24/2025
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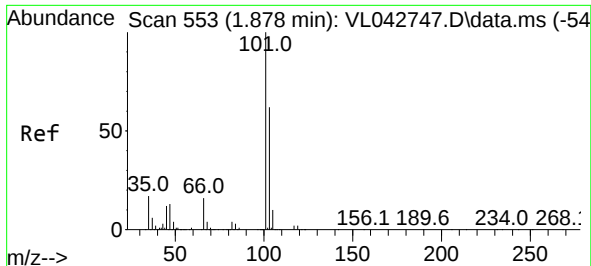


#10
Heptane
Concen: 9.701 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion: 43 Resp: 259821
Ion Ratio Lower Upper
43 100
57 49.9 39.9 59.9





#11

Trichlorofluoromethane

Concen: 8.992 ppbv

RT: 1.878 min Scan# 553

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:101 Resp: 194964

Ion Ratio Lower Upper

101 100

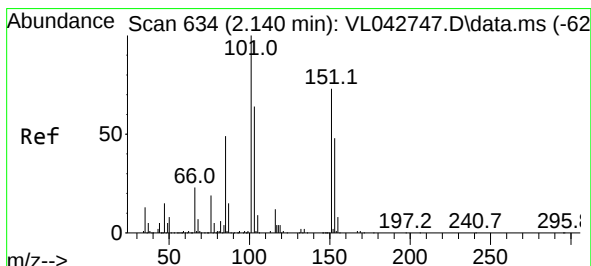
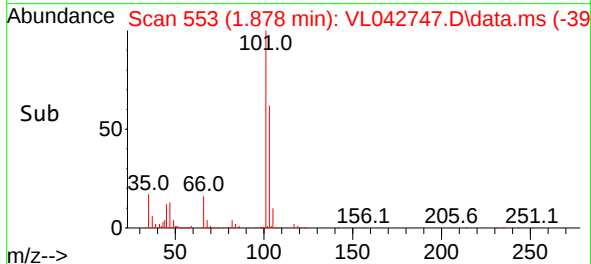
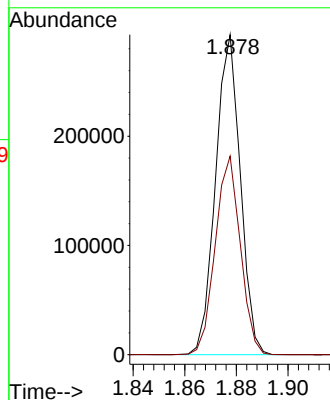
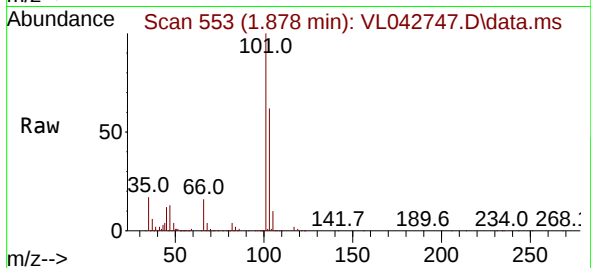
103 62.0 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.081 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.000 min

Lab File: VL042747.D

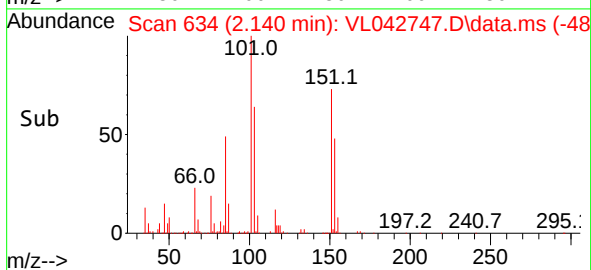
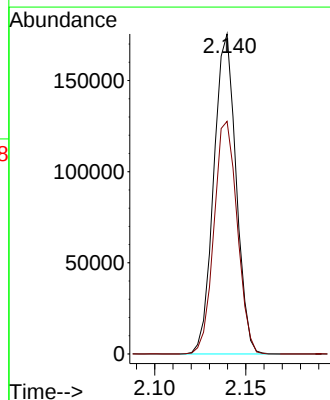
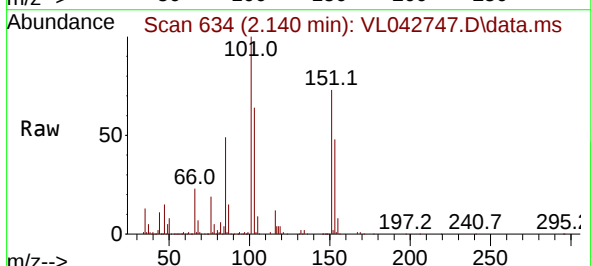
Acq: 23 Jul 2025 08:58

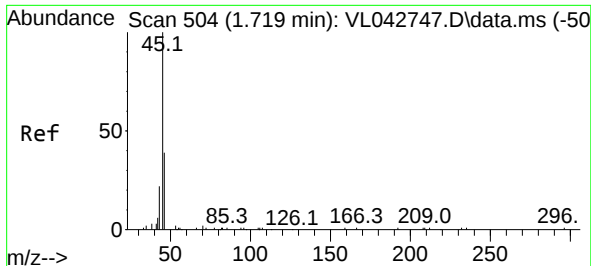
Tgt Ion:101 Resp: 149612

Ion Ratio Lower Upper

101 100

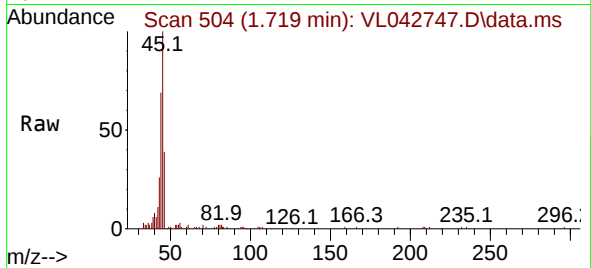
151 75.6 60.5 90.7





#13
Ethanol
Concen: 9.867 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

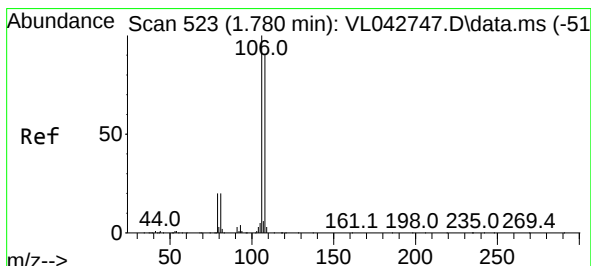
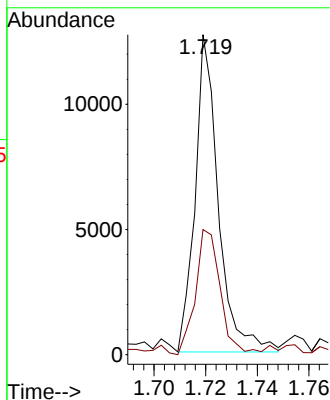
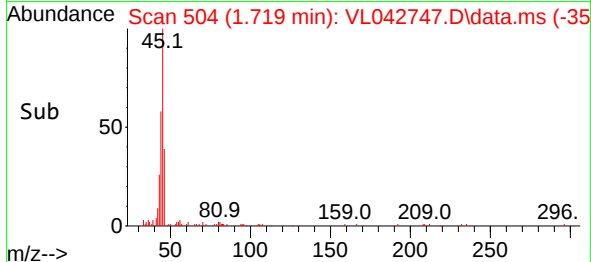
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



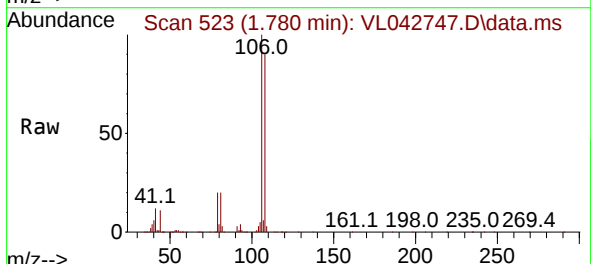
Tgt Ion: 45 Resp: 7949
Ion Ratio Lower Upper
45 100
46 46.5 17.8 71.4

Manual Integrations
APPROVED

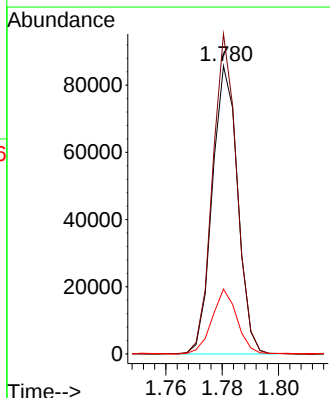
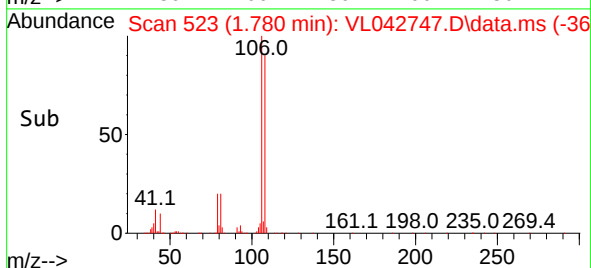
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

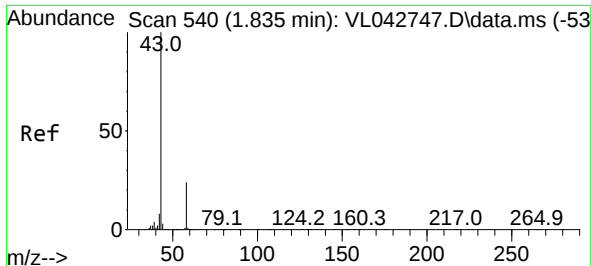


#14
Bromoethene
Concen: 9.193 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



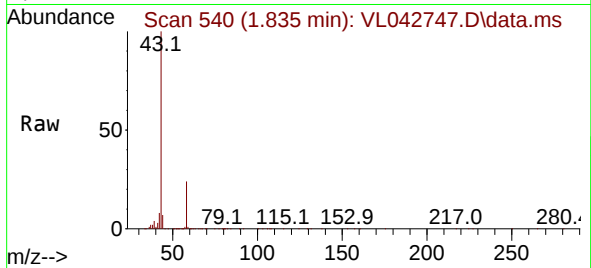
Tgt Ion:108 Resp: 53625
Ion Ratio Lower Upper
108 100
106 105.9 84.7 127.1
79 21.8 17.4 26.2





#15
Acetone
Concen: 7.225 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

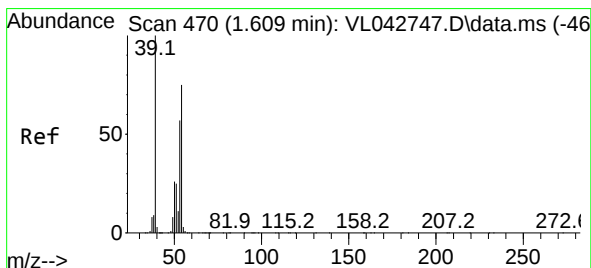
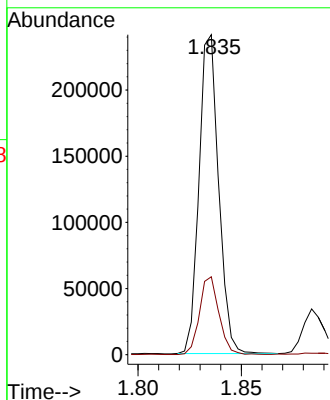
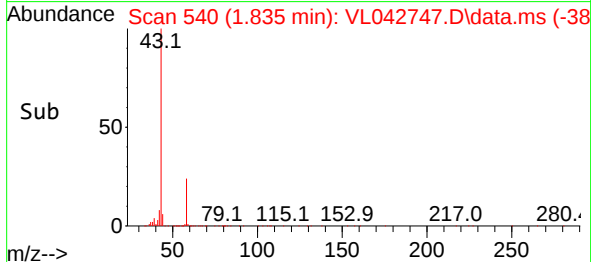
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



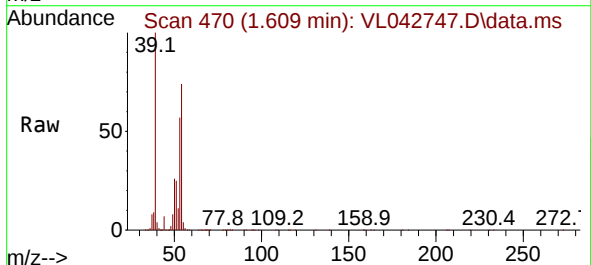
Tgt Ion: 43 Resp: 158714
Ion Ratio Lower Upper
43 100
58 24.8 19.8 29.8

Manual Integrations
APPROVED

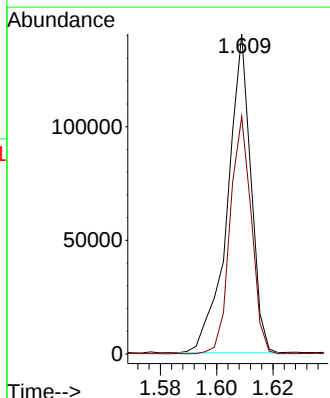
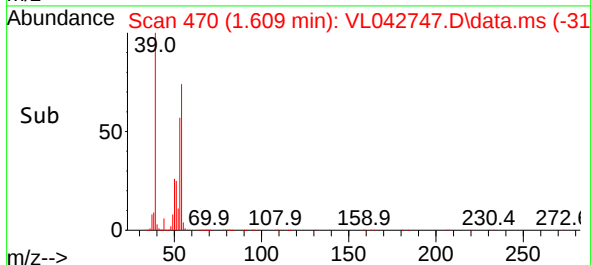
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

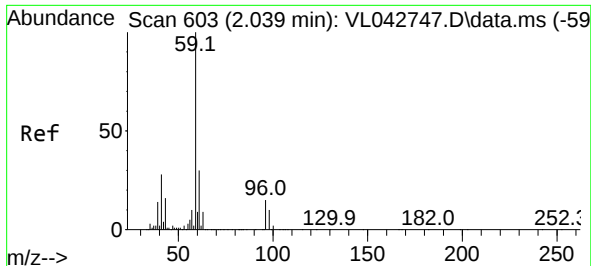


#16
1,3-Butadiene
Concen: 8.642 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



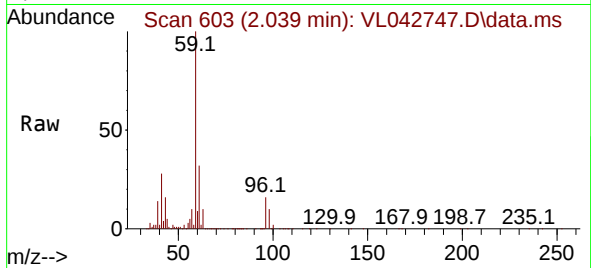
Tgt Ion: 39 Resp: 80968
Ion Ratio Lower Upper
39 100
54 68.1 54.5 81.7





#17
tert-Butyl alcohol
Concen: 9.351 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

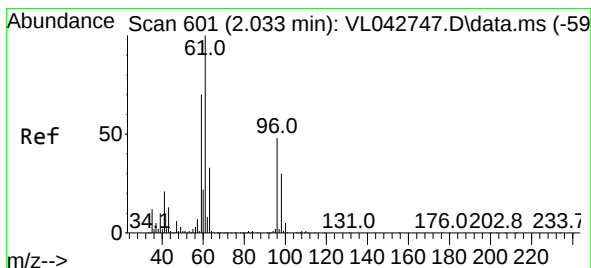
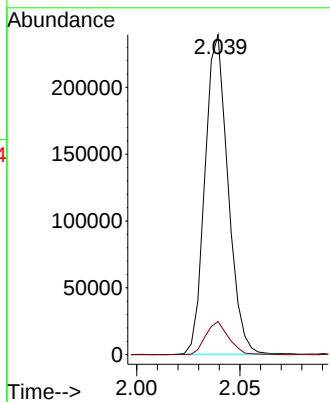
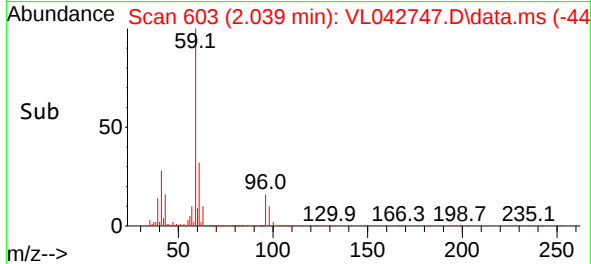
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



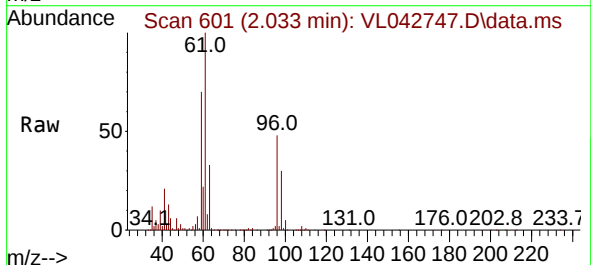
Tgt Ion: 59 Resp: 185262
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

Manual Integrations
APPROVED

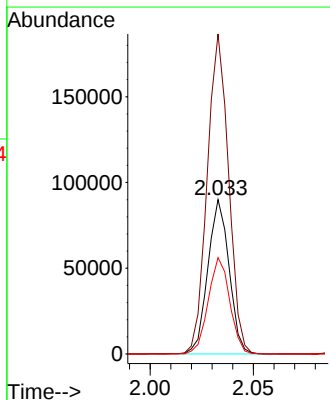
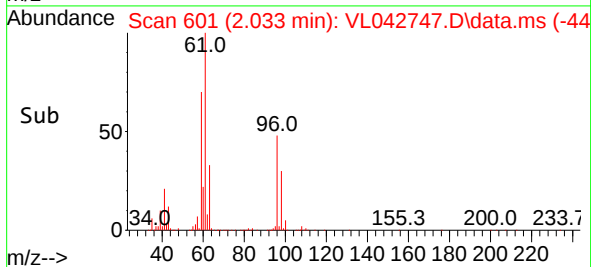
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

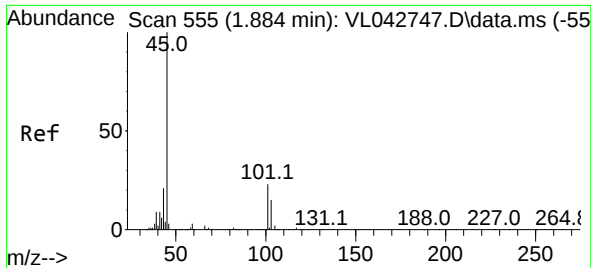


#18
1,1-Dichloroethene
Concen: 8.627 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



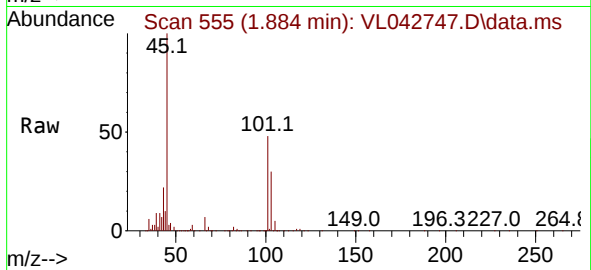
Tgt Ion: 96 Resp: 64224
Ion Ratio Lower Upper
96 100
61 207.2 165.8 248.6
98 62.4 49.9 74.9





#19
Isopropyl Alcohol
Concen: 8.987 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

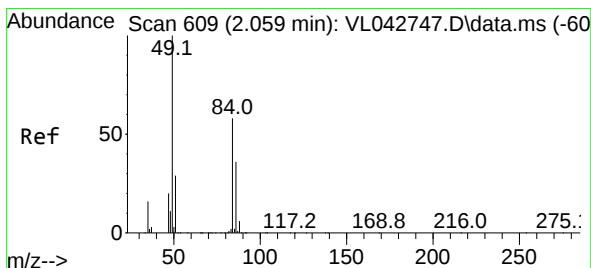
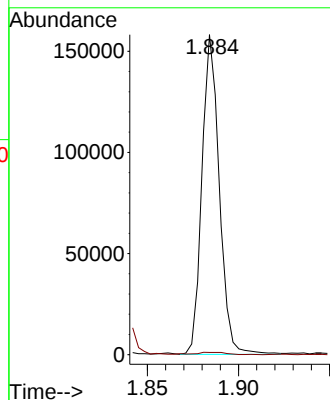
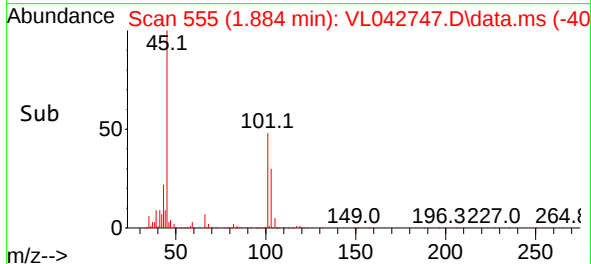
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



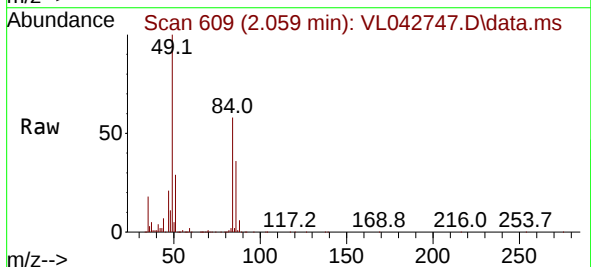
Tgt Ion: 45 Resp: 104900
Ion Ratio Lower Upper
45 100
58 37.5 30.0 45.0

Manual Integrations
APPROVED

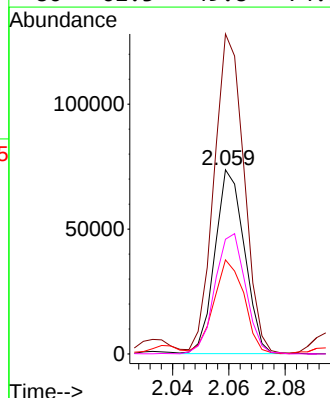
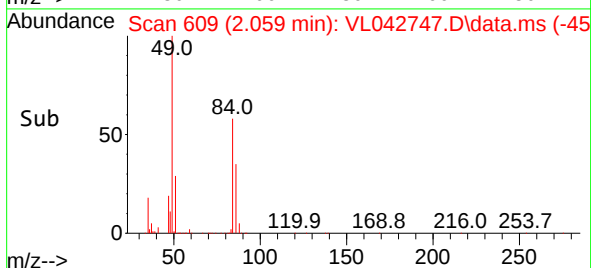
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

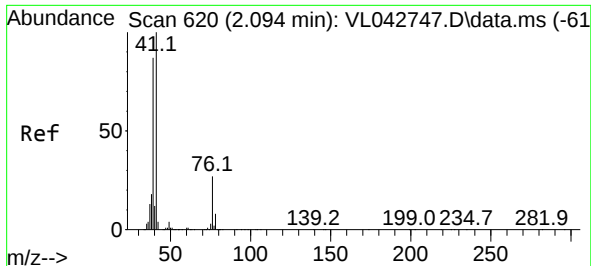


#20
Methylene Chloride
Concen: 7.740 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion: 84 Resp: 53581
Ion Ratio Lower Upper
84 100
49 173.3 138.6 208.0
51 50.8 40.6 61.0
86 62.3 49.8 74.8





#21

Allyl Chloride

Concen: 9.382 ppbv

RT: 2.094 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 12702

Ion Ratio Lower Upper

41 100

76 26.4 21.1 31.7

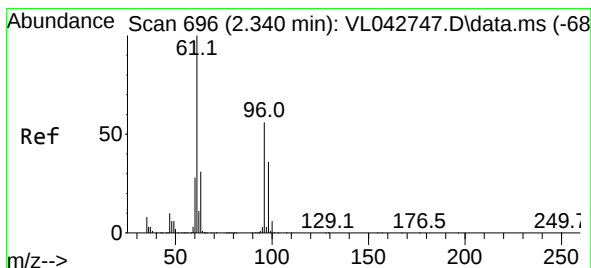
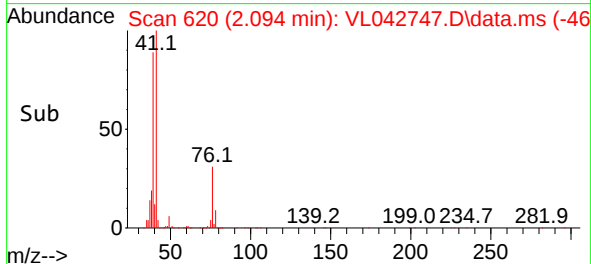
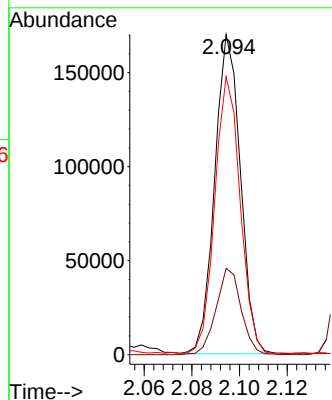
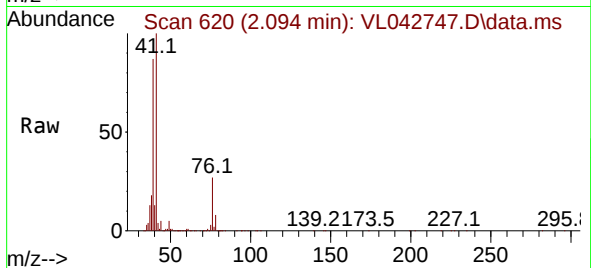
39 85.4 68.3 102.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#22

trans-1,2-Dichloroethene

Concen: 9.148 ppbv

RT: 2.340 min Scan# 696

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

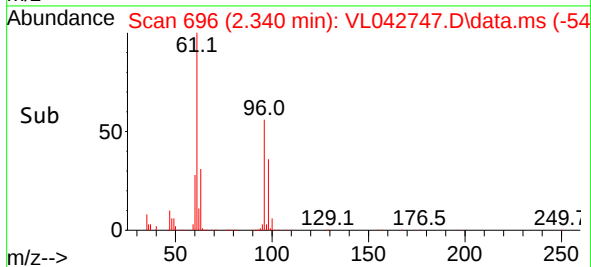
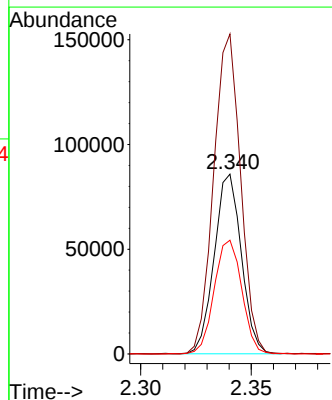
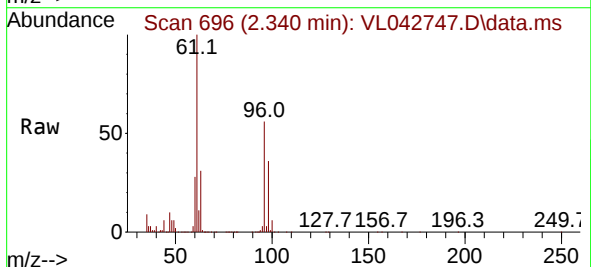
Tgt Ion: 96 Resp: 73152

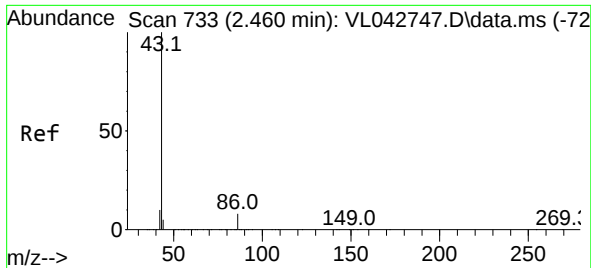
Ion Ratio Lower Upper

96 100

61 177.9 142.3 213.5

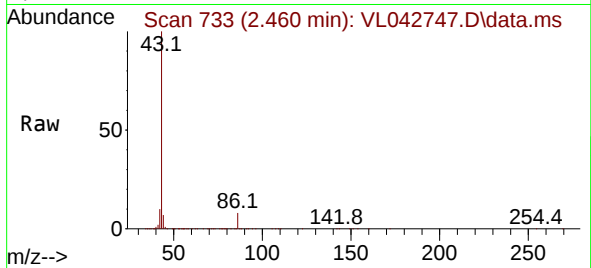
98 63.3 50.6 76.0





#23
 Vinyl Acetate
 Concen: 10.181 ppbv
 RT: 2.460 min Scan# 712
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

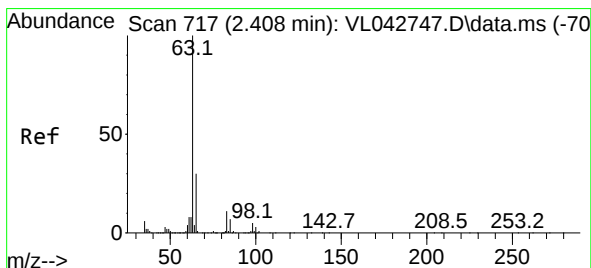
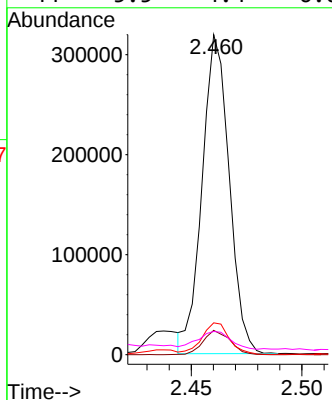
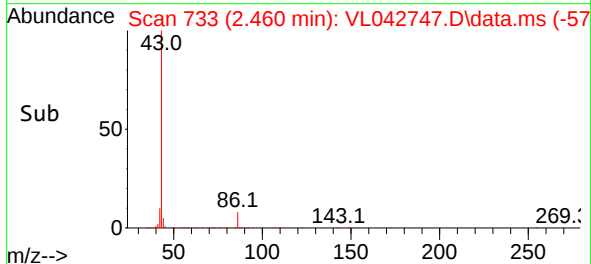
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



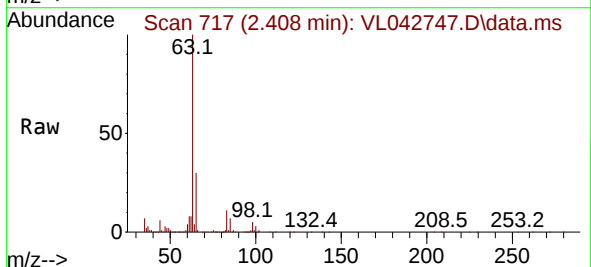
Tgt Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.1	9.1
42	9.8	7.8	11.8
44	5.5	4.4	6.6

Manual Integrations
 APPROVED

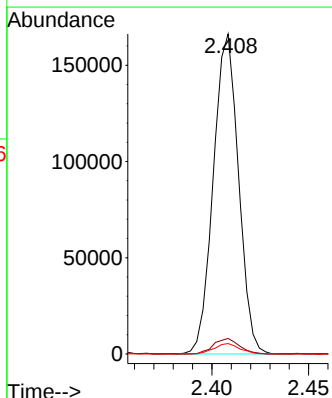
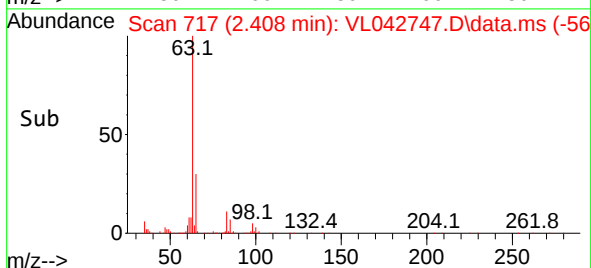
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

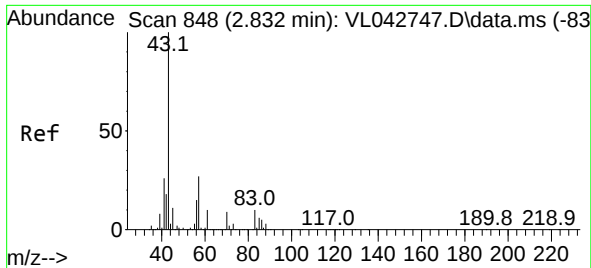


#24
 1,1-Dichloroethane
 Concen: 9.141 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58



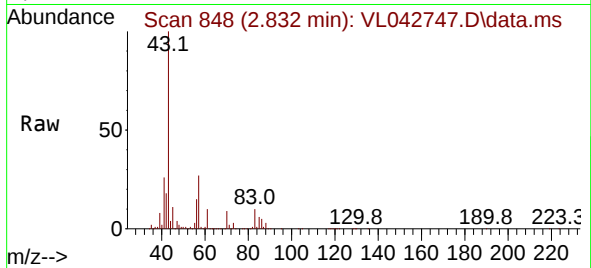
Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.5	7.4
100	3.2	1.6	4.8





#25
Ethyl Acetate
Concen: 9.666 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

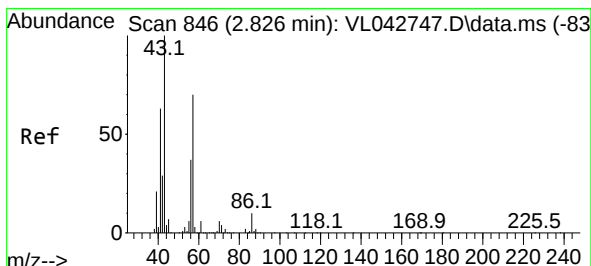
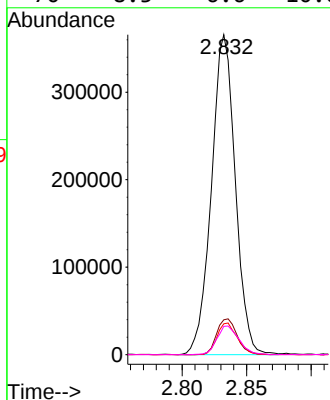
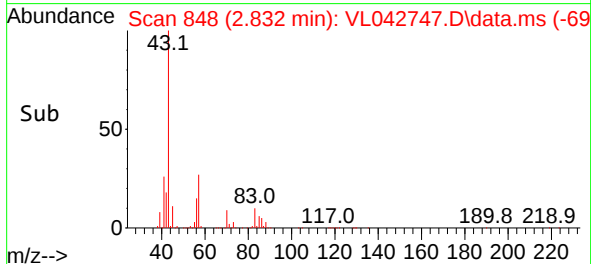
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



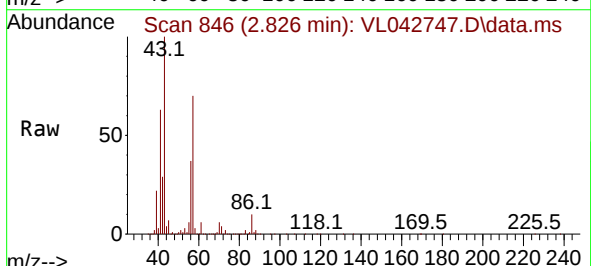
Tgt Ion: 43 Resp: 469997
Ion Ratio Lower Upper
43 100
45 9.7 7.8 11.6
61 8.4 6.7 10.1
70 8.3 6.6 10.0

Manual Integrations
APPROVED

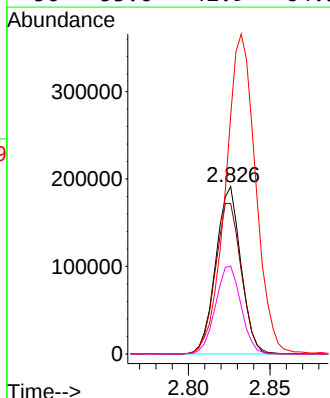
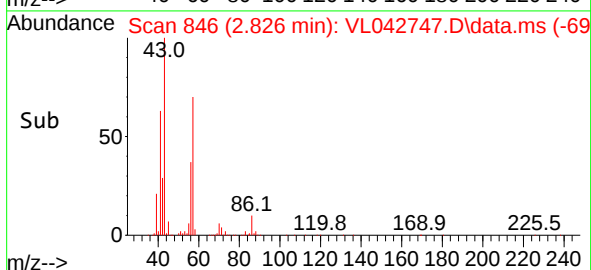
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

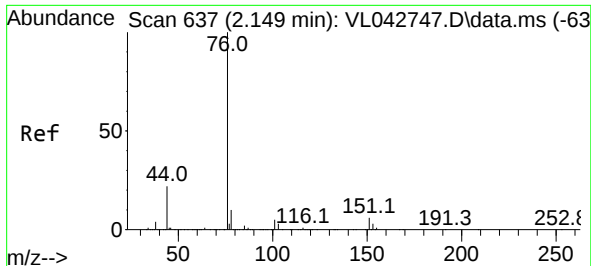


#26
Hexane
Concen: 9.555 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



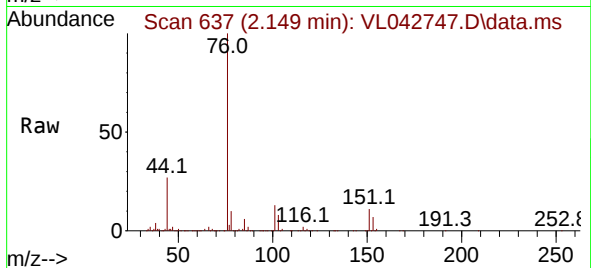
Tgt Ion: 57 Resp: 203800
Ion Ratio Lower Upper
57 100
41 94.3 75.4 113.2
43 231.3 185.0 277.6
56 53.6 42.9 64.3





#27
Carbon Disulfide
Concen: 9.480 ppbv
RT: 2.149 min Scan# 637
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

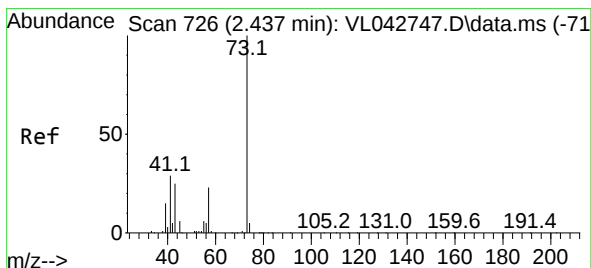
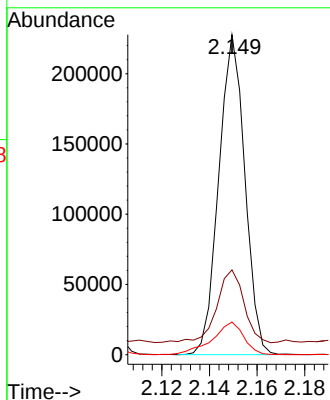
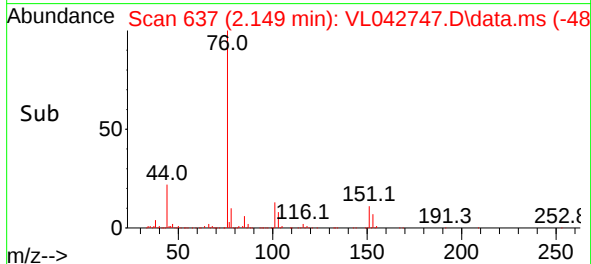
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion: 76 Resp: 17310
Ion Ratio Lower Upper
76 100
44 24.1 19.3 28.9
78 12.4 9.9 14.9

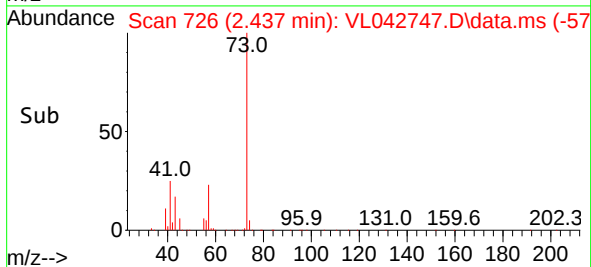
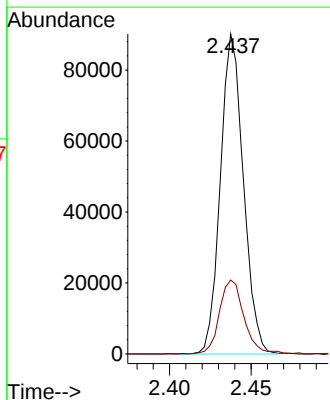
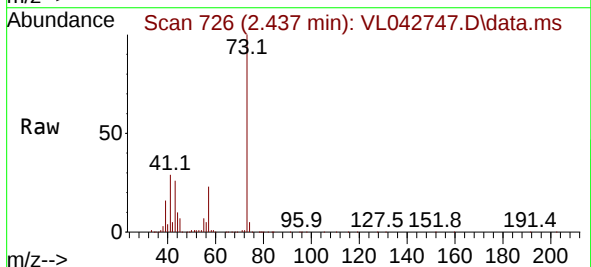
Manual Integrations
APPROVED

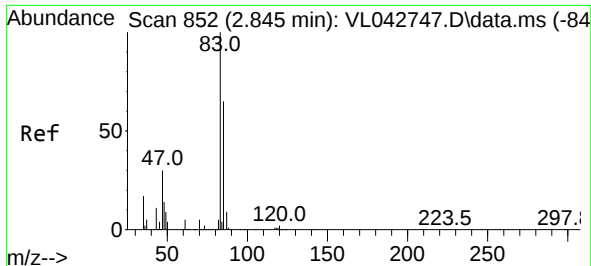
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#28
Methyl tert-Butyl Ether
Concen: 8.770 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 73 Resp: 88372
Ion Ratio Lower Upper
73 100
57 24.8 19.8 29.8





#29

Chloroform

Concen: 9.244 ppbv

RT: 2.845 min Scan# 852

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 83 Resp: 304670

Ion Ratio Lower Upper

83 100

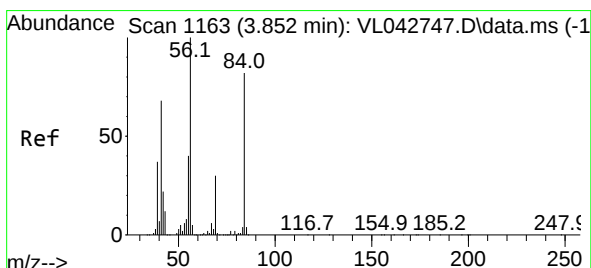
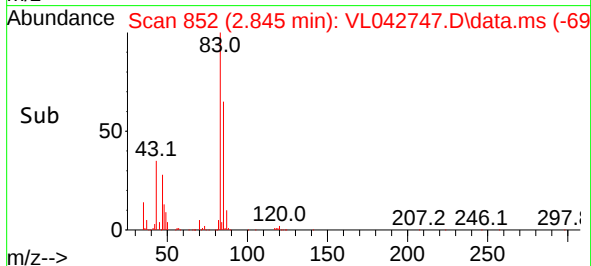
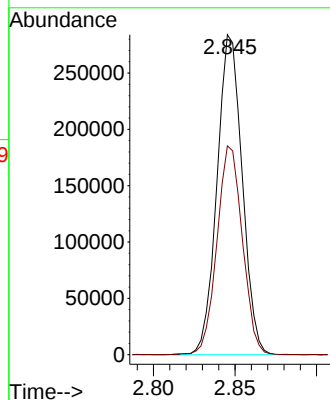
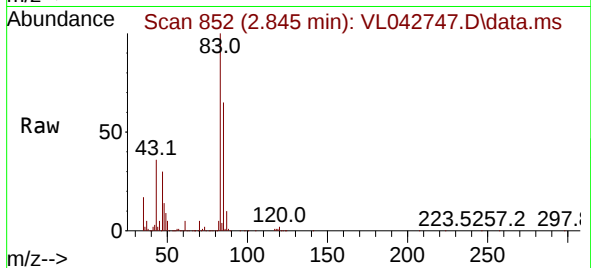
85 65.2 52.2 78.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#30

Cyclohexane

Concen: 9.892 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

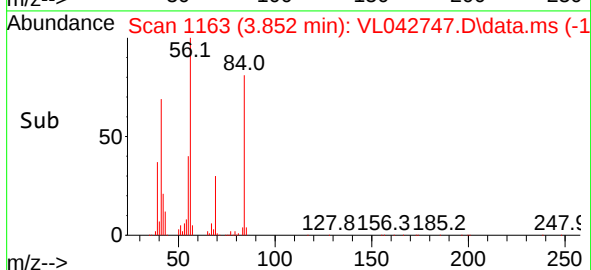
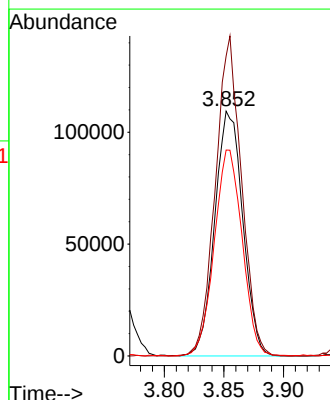
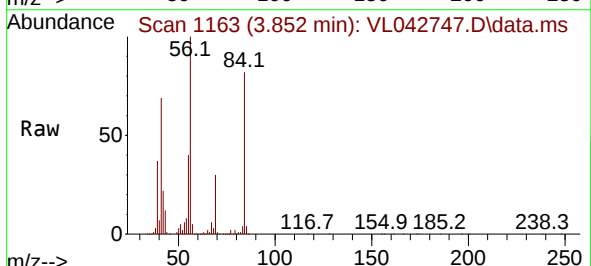
Tgt Ion: 84 Resp: 178948

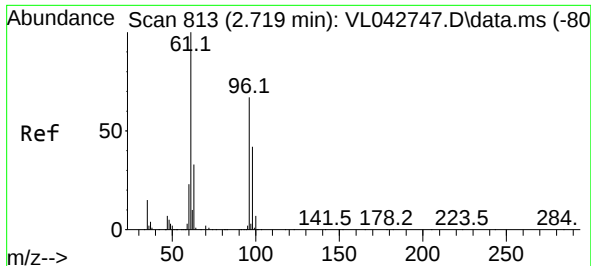
Ion Ratio Lower Upper

84 100

56 121.9 97.5 146.3

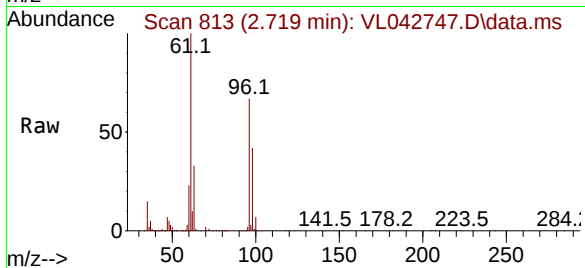
41 84.0 67.2 100.8





#31
 cis-1,2-Dichloroethene
 Concen: 9.479 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

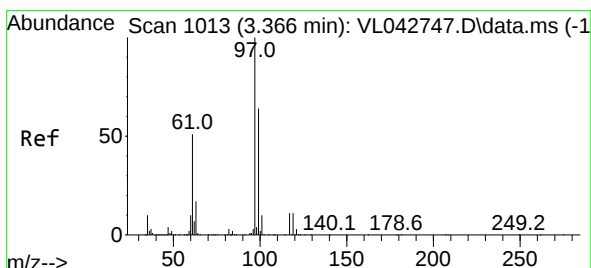
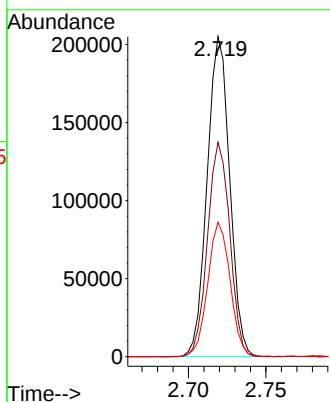
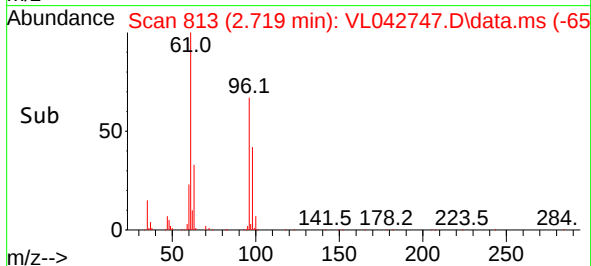
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



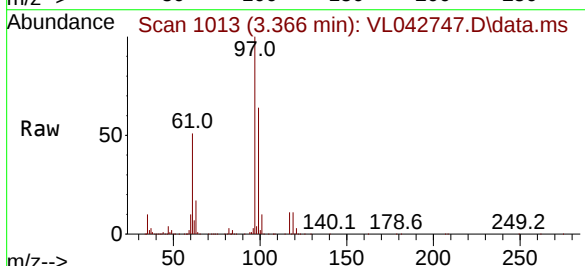
Tgt Ion: 61 Resp: 20775
 Ion Ratio Lower Upper
 61 100
 96 66.9 53.5 80.3
 98 42.0 33.6 50.4

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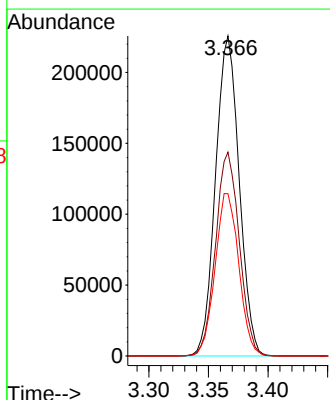
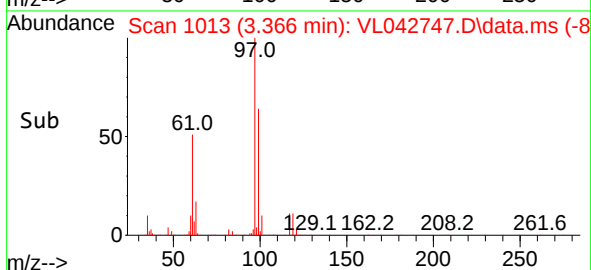
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

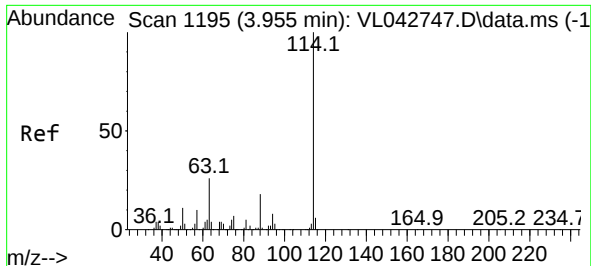


#32
 1,1,1-Trichloroethane
 Concen: 9.069 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58



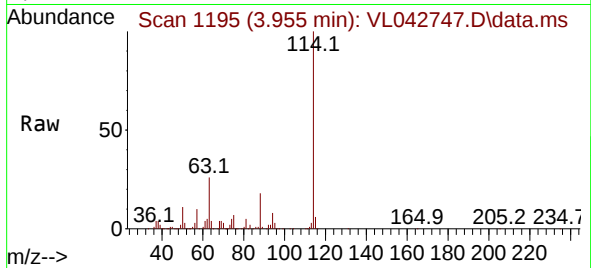
Tgt Ion: 97 Resp: 311368
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 51.1 40.9 61.3





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

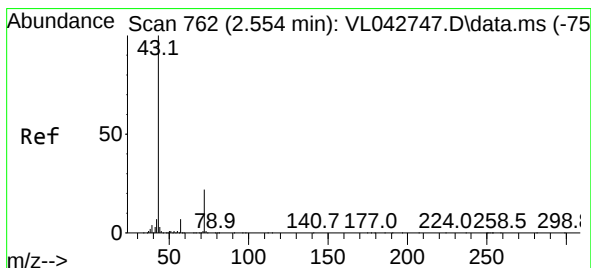
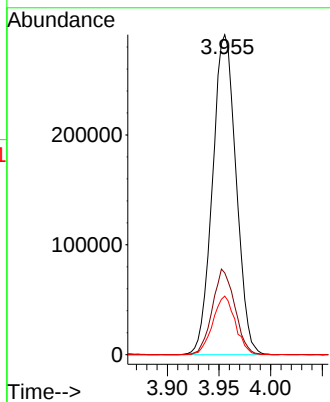
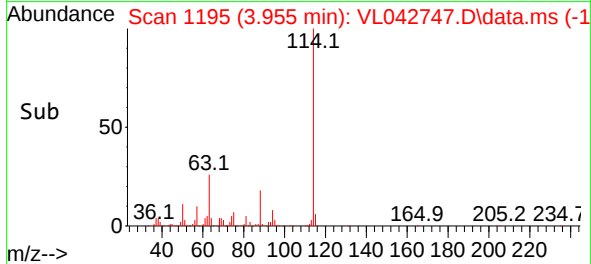
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



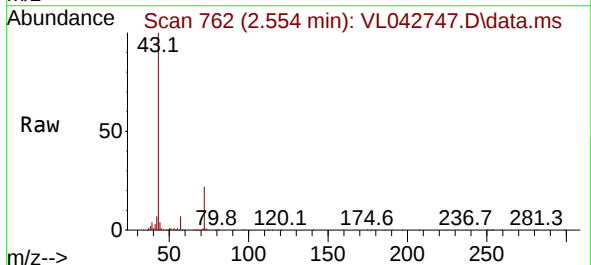
Tgt Ion:114 Resp: 462763
Ion Ratio Lower Upper
114 100
63 25.6 20.5 30.7
88 17.5 14.0 21.0

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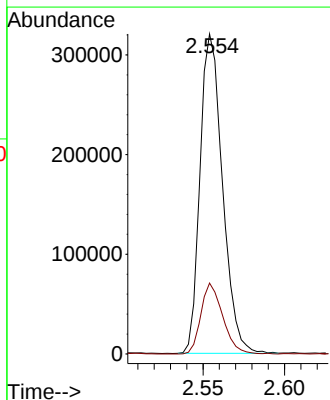
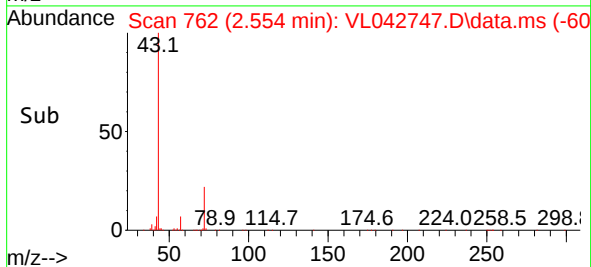
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

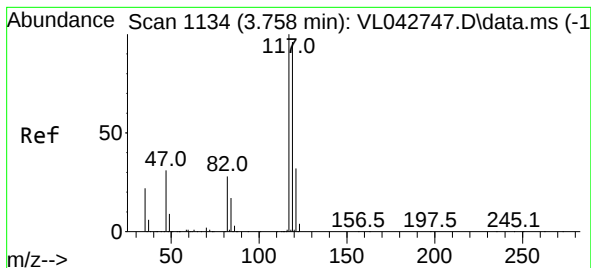


#34
2-Butanone
Concen: 9.361 ppbv
RT: 2.554 min Scan# 762
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion: 43 Resp: 306858
Ion Ratio Lower Upper
43 100
72 21.7 17.4 26.0





#35

Carbon Tetrachloride

Concen: 9.436 ppbv

RT: 3.758 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

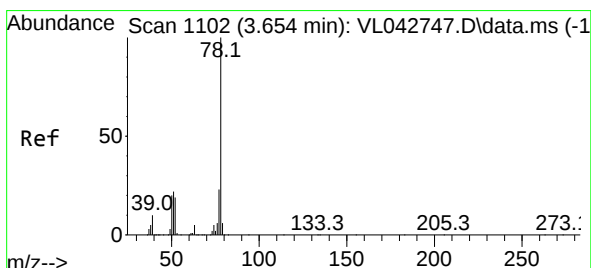
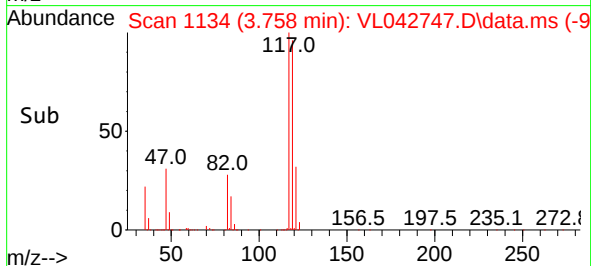
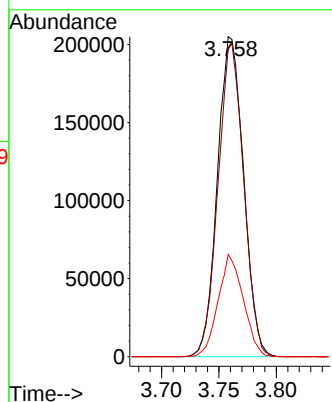
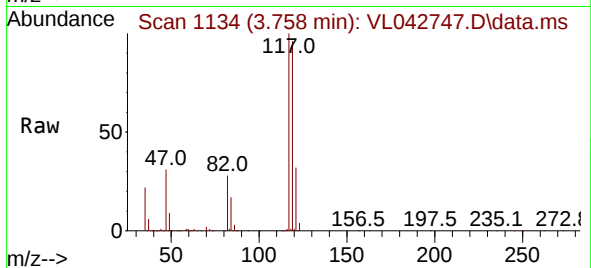
VSTDICCC010

Tgt Ion:	117	Resp:	32450
Ion Ratio	Lower	Upper	
117	100		
119	96.4	77.1	115.7
121	31.9	25.5	38.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#36

Benzene

Concen: 9.459 ppbv

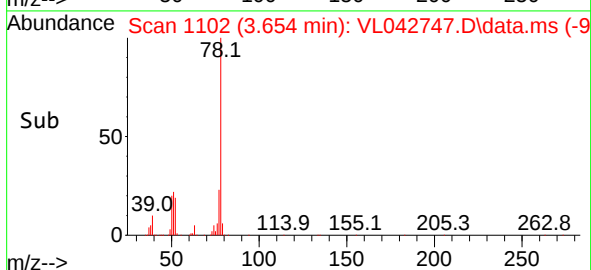
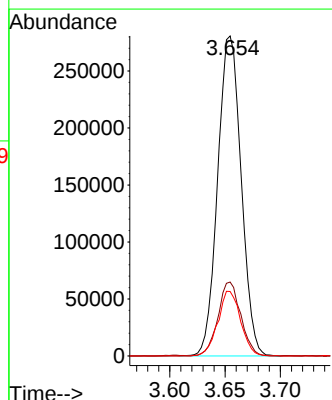
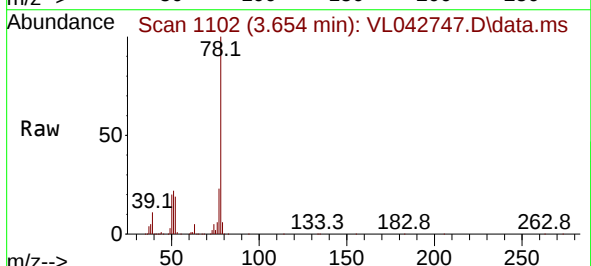
RT: 3.654 min Scan# 1102

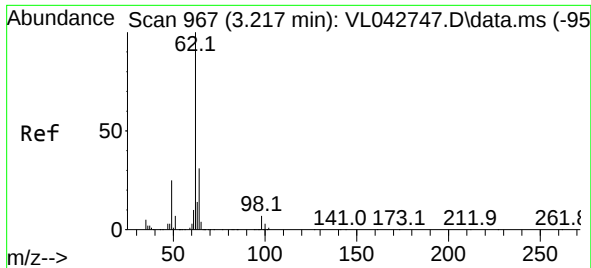
Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

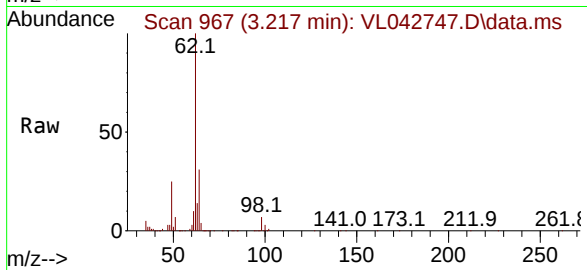
Tgt Ion:	78	Resp:	414863
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.5	27.7
50	20.2	16.2	24.2





#37
1,2-Dichloroethane
Concen: 9.403 ppbv
RT: 3.217 min Scan# 967
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

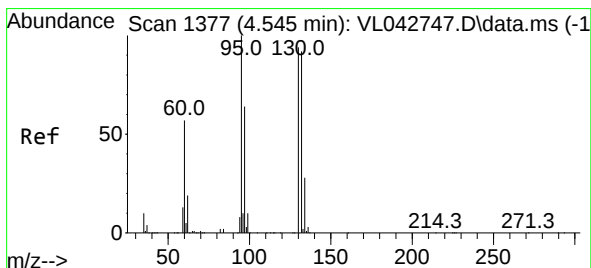
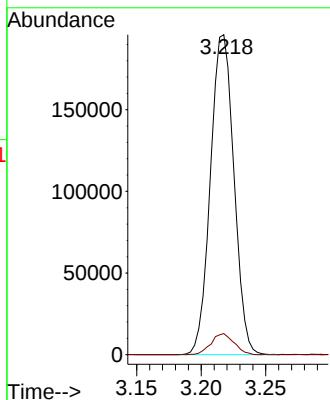
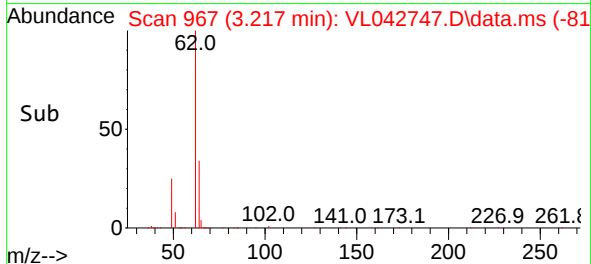
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



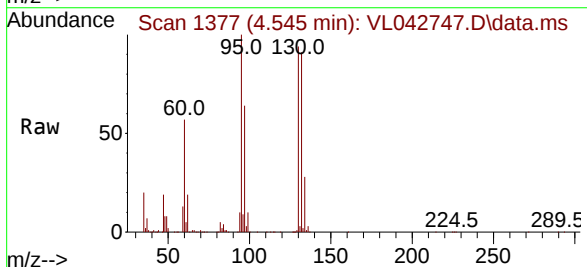
Tgt Ion: 62 Resp: 248414
Ion Ratio Lower Upper
62 100
98 6.5 5.2 7.8

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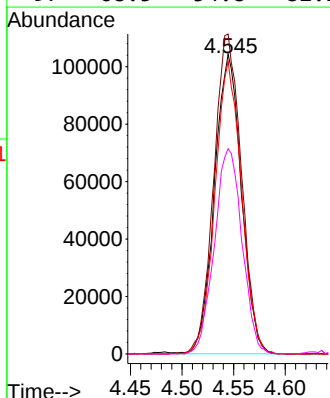
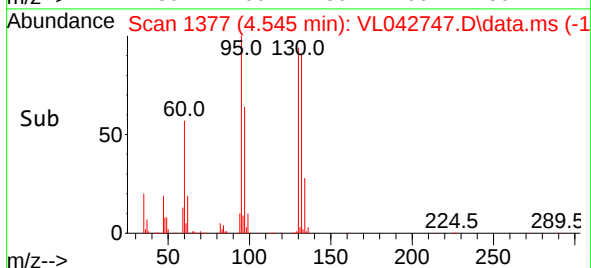
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

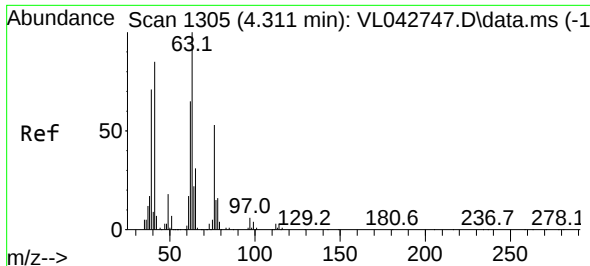


#38
Trichloroethene
Concen: 8.926 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion:130 Resp: 188750
Ion Ratio Lower Upper
130 100
95 106.8 85.4 128.2
132 97.7 78.2 117.2
97 68.5 54.8 82.2





#39

1,2-Dichloropropane

Concen: 9.251 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 63 Resp: 14977

Ion Ratio Lower Upper

63 100

41 85.3 68.2 102.4

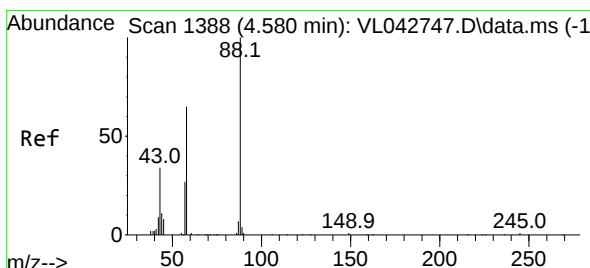
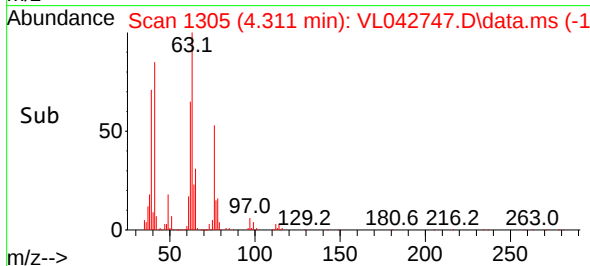
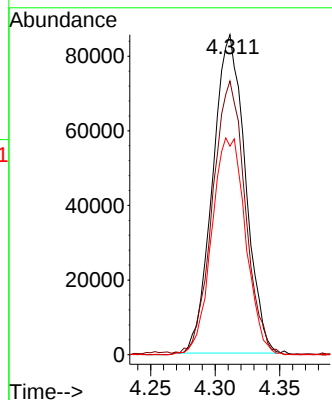
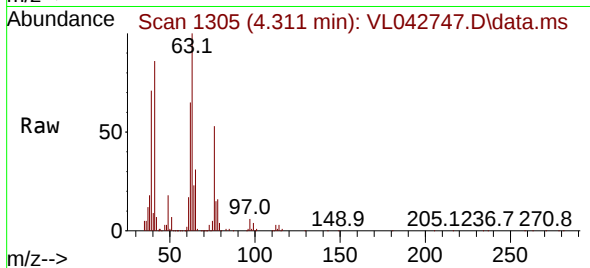
62 65.0 52.0 78.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#40

1,4-Dioxane

Concen: 8.569 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Tgt Ion: 88 Resp: 65413

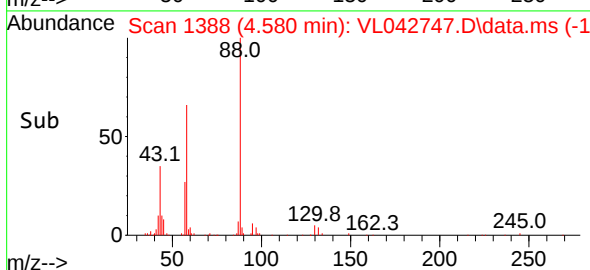
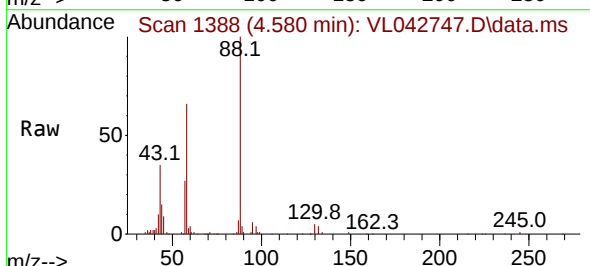
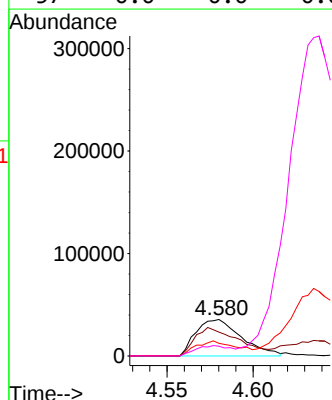
Ion Ratio Lower Upper

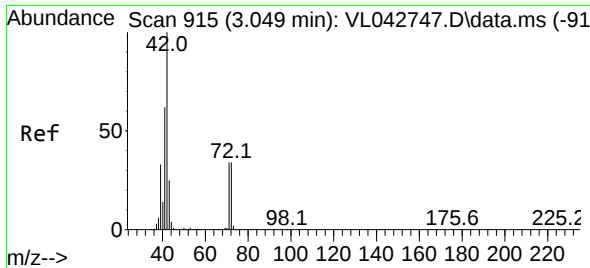
88 100

58 73.5 58.8 88.2

43 36.1 28.9 43.3

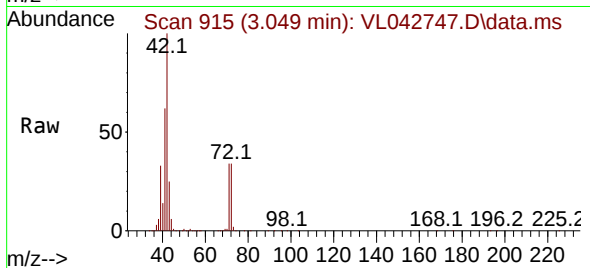
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 10.160 ppbv
RT: 3.049 min Scan# 915
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

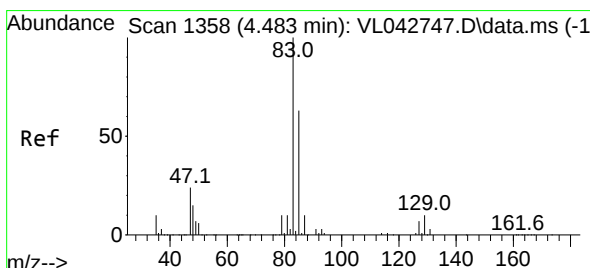
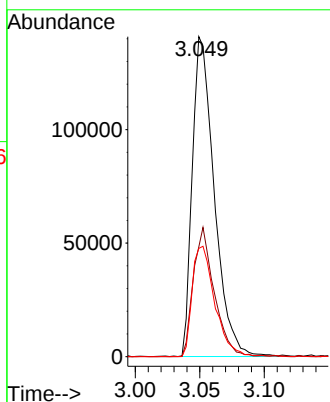
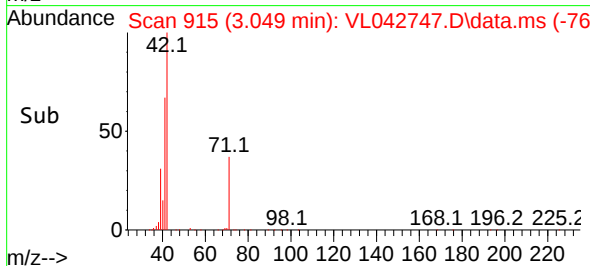
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



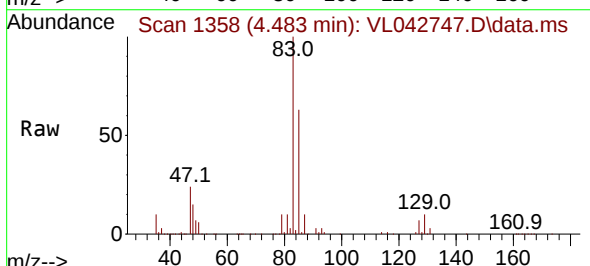
Tgt Ion: 42 Resp: 16732
Ion Ratio Lower Upper
42 100
72 38.6 30.9 46.3
71 35.8 28.6 43.0

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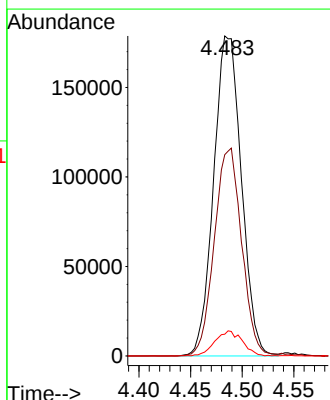
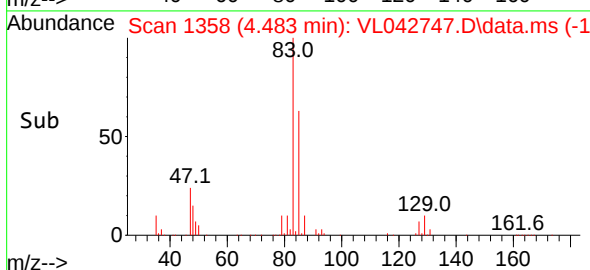
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

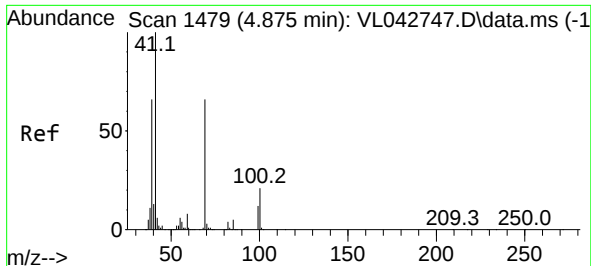


#42
Bromodichloromethane
Concen: 9.713 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion: 83 Resp: 334531
Ion Ratio Lower Upper
83 100
85 62.8 50.2 75.4
127 6.8 5.4 8.2





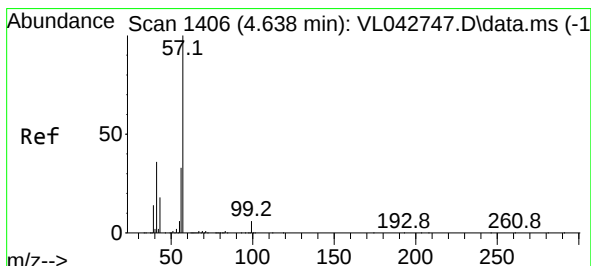
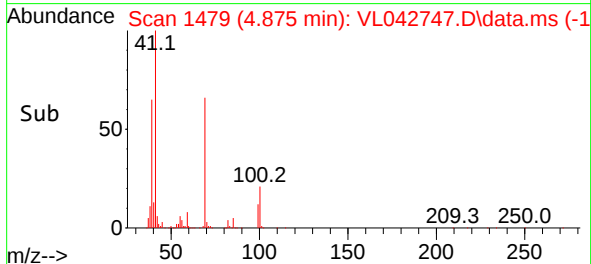
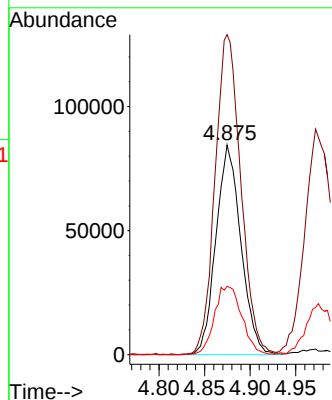
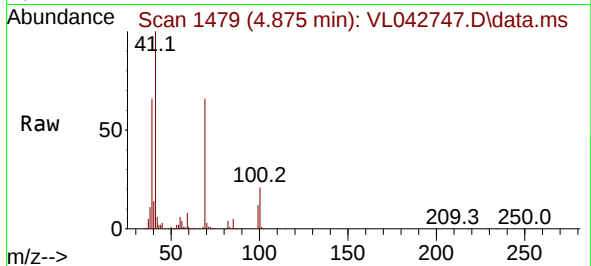
#43
Methyl Methacrylate
Concen: 10.331 ppbv
RT: 4.875 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 16105
Ion Ratio Lower Upper
69 100
41 157.1 125.7 188.5
100 35.7 28.6 42.8

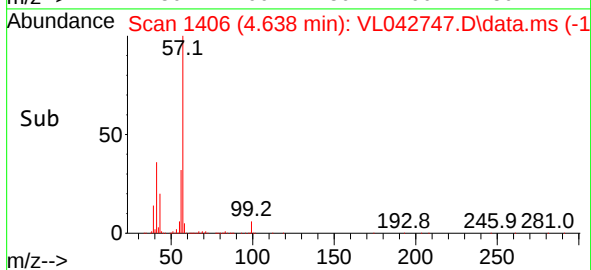
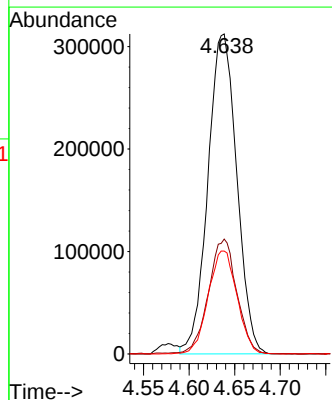
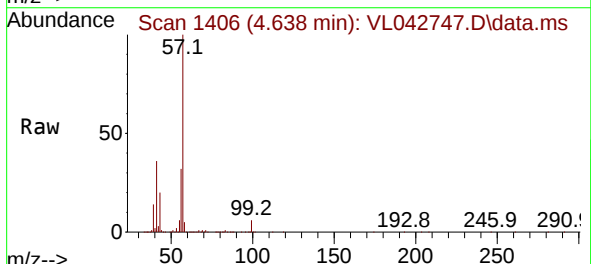
Manual Integrations
APPROVED

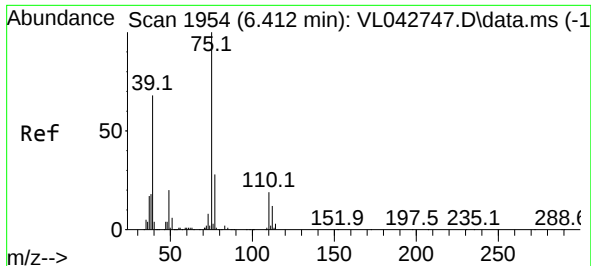
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#44
2,2,4-Trimethylpentane
Concen: 9.623 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 57 Resp: 687885
Ion Ratio Lower Upper
57 100
41 35.4 28.3 42.5
56 32.2 25.8 38.6





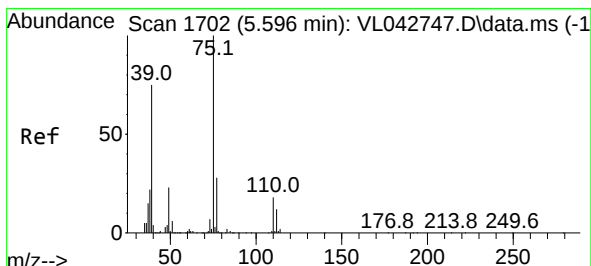
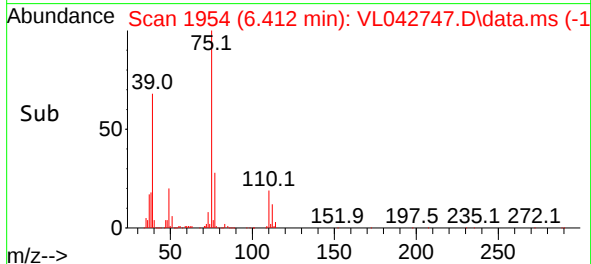
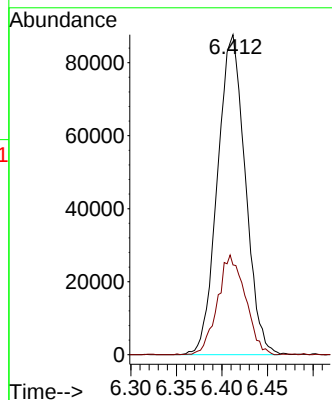
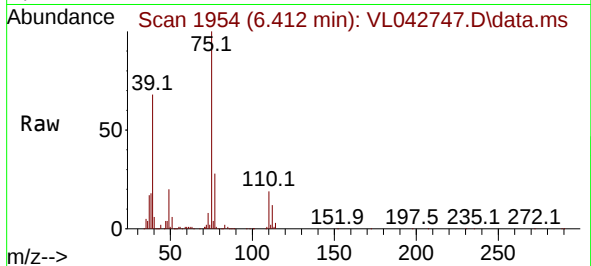
#45
 t-1,3-Dichloropropene
 Concen: 10.633 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 75 Resp: 18596
 Ion Ratio Lower Upper
 75 100
 77 28.0 22.4 33.6

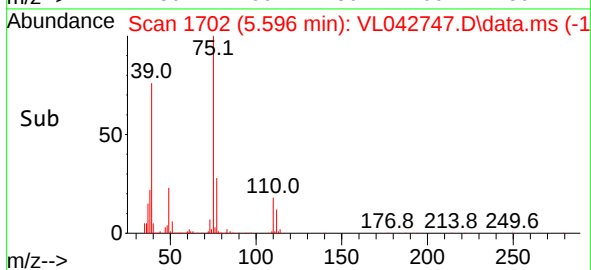
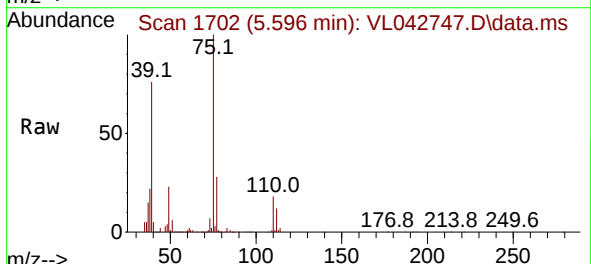
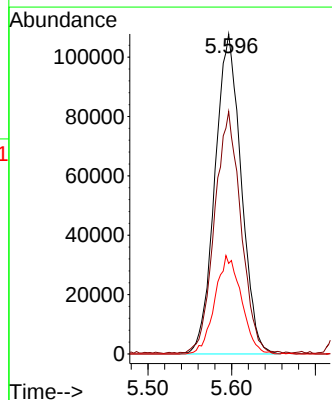
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#46
 cis-1,3-Dichloropropene
 Concen: 10.587 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

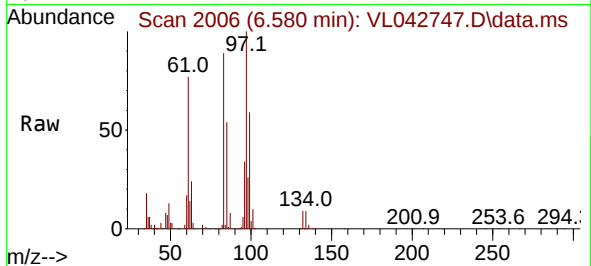
Tgt Ion: 75 Resp: 234594
 Ion Ratio Lower Upper
 75 100
 39 75.2 60.2 90.2
 77 28.3 22.6 34.0





#47
1,1,2-Trichloroethane
Concen: 9.297 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

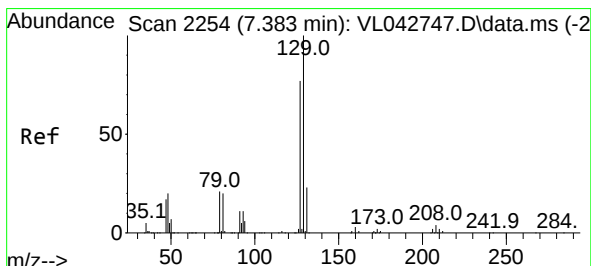
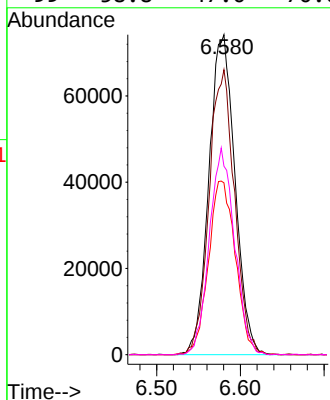
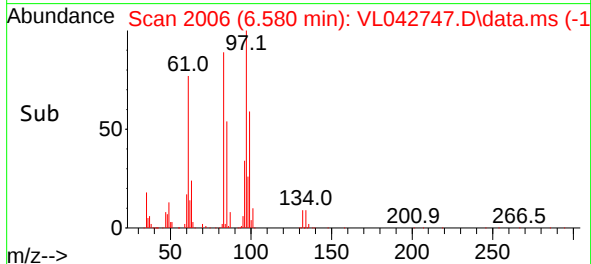
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



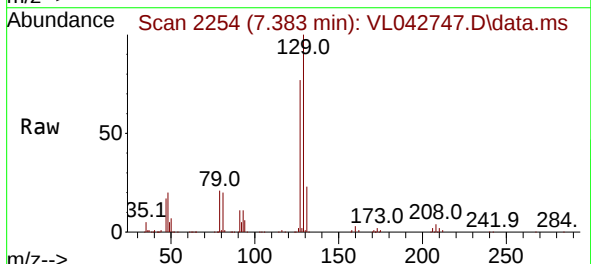
Tgt Ion: 97 Resp: 16043
Ion Ratio Lower Upper
97 100
83 88.9 71.1 106.7
85 53.7 43.0 64.4
99 58.8 47.0 70.6

Manual Integrations
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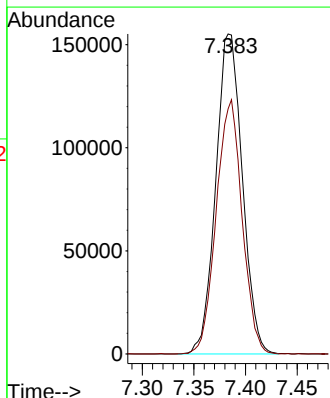
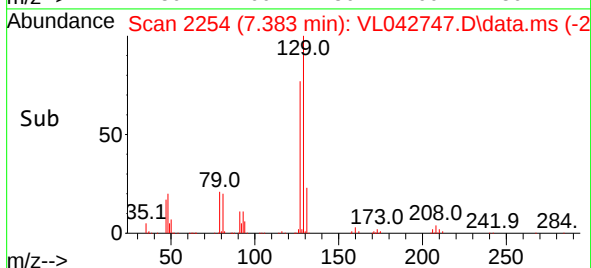
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

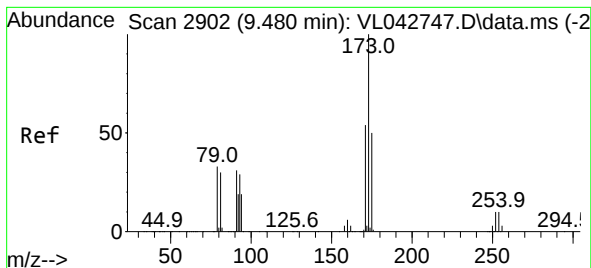


#48
Dibromochloromethane
Concen: 10.141 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion:129 Resp: 277832
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1





#49

Bromoform

Concen: 10.256 ppbv

RT: 9.480 min Scan# 2902

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

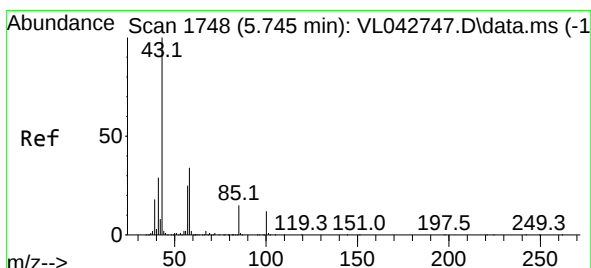
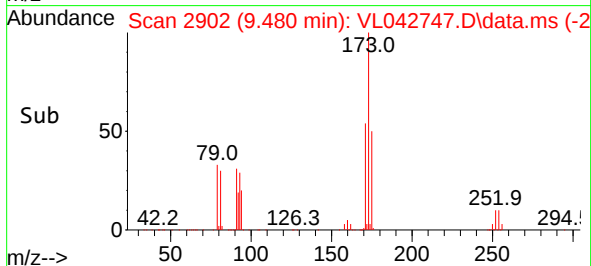
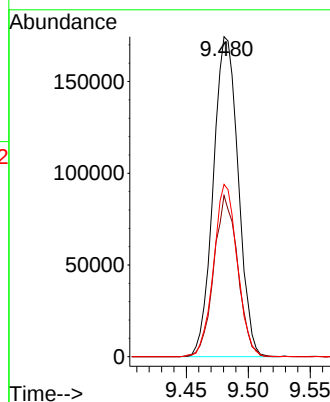
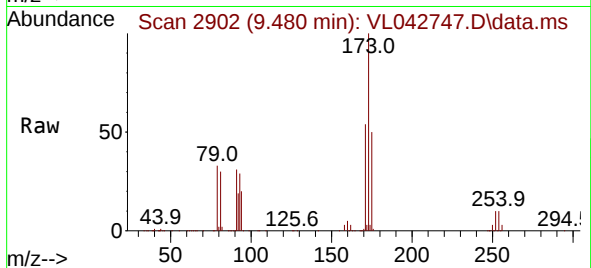
VSTDICCC010

Tgt Ion:173 Resp: 244997
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.4 57.6
 171 51.1 40.9 61.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#50

4-Methyl-2-Pentanone

Concen: 9.914 ppbv

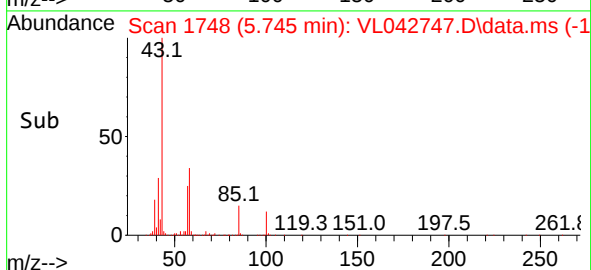
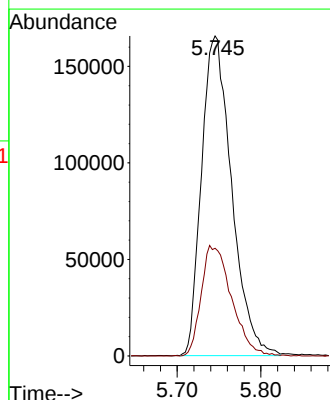
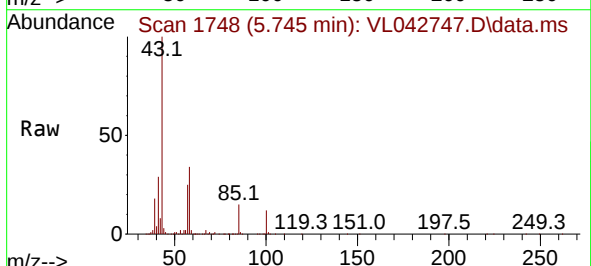
RT: 5.745 min Scan# 1748

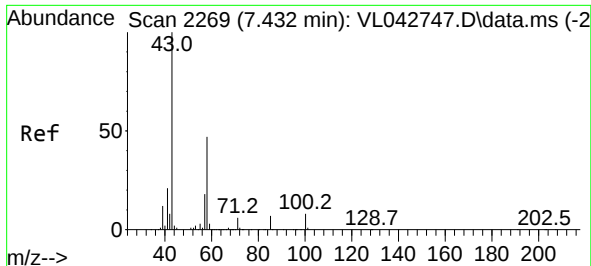
Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

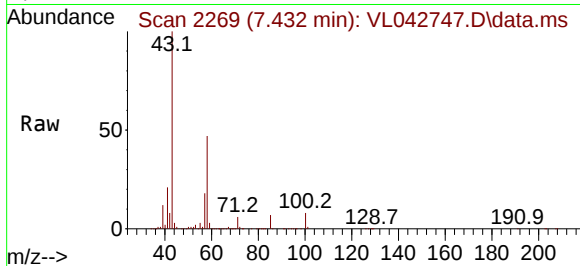
Tgt Ion: 43 Resp: 413966
 Ion Ratio Lower Upper
 43 100
 58 34.8 27.8 41.8





#51
2-Hexanone
Concen: 10.532 ppbv
RT: 7.432 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

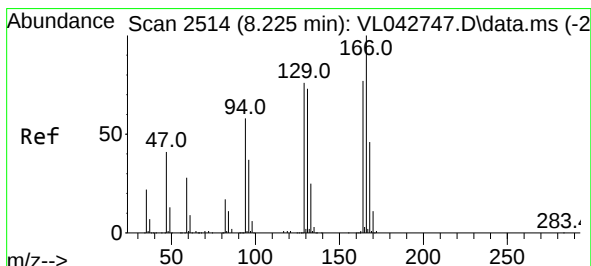
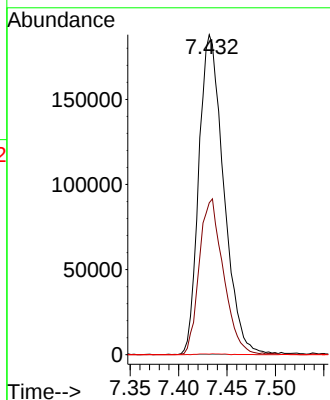
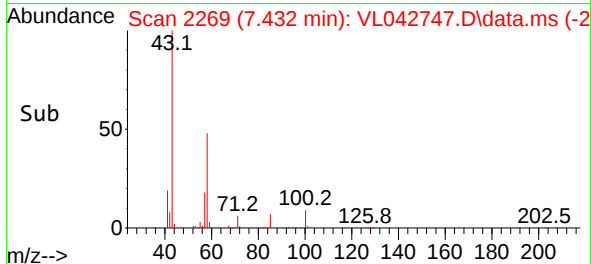
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



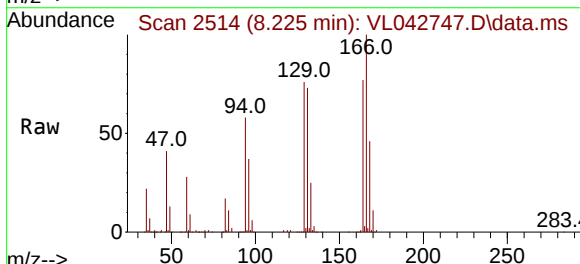
Tgt Ion: 43 Resp: 33604
Ion Ratio Lower Upper
43 100
58 47.5 38.0 57.0
98 0.3 0.2 0.4

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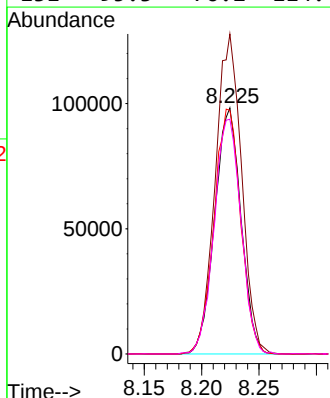
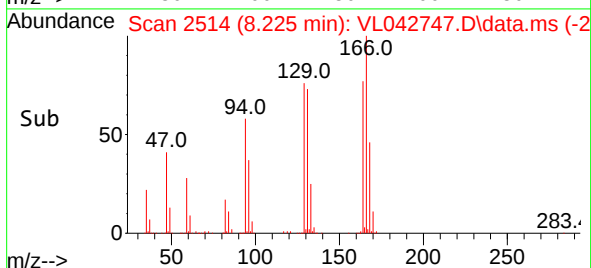
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

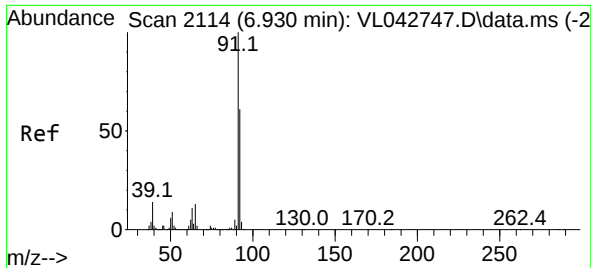


#52
Tetrachloroethene
Concen: 8.609 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion:164 Resp: 156930
Ion Ratio Lower Upper
164 100
166 130.0 104.0 156.0
129 99.0 79.2 118.8
131 95.3 76.2 114.4





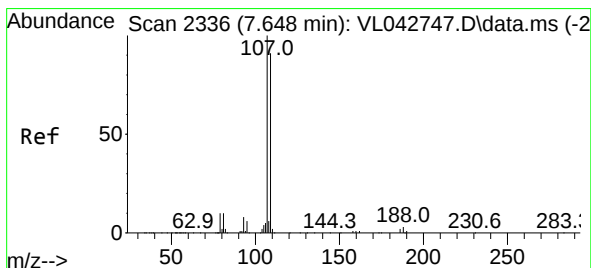
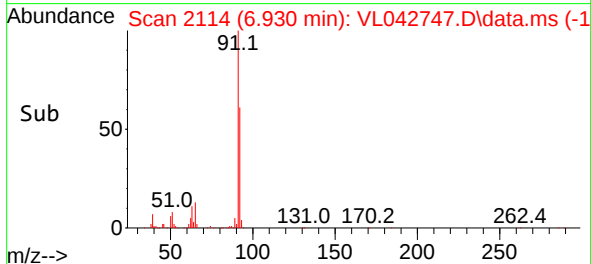
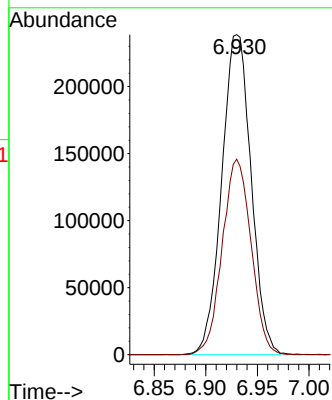
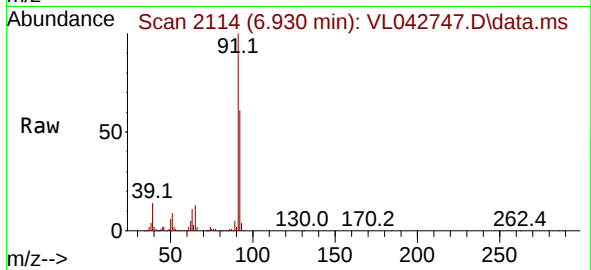
#53
Toluene
Concen: 10.042 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 47295
Ion Ratio Lower Upper
91 100
92 60.0 48.0 72.0

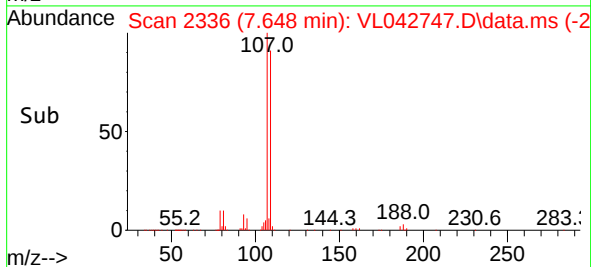
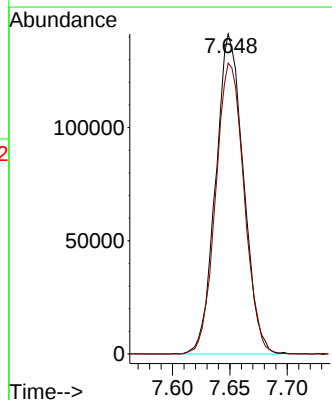
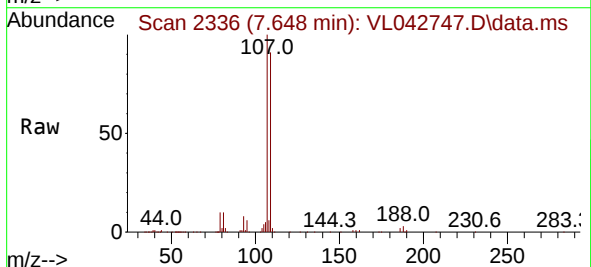
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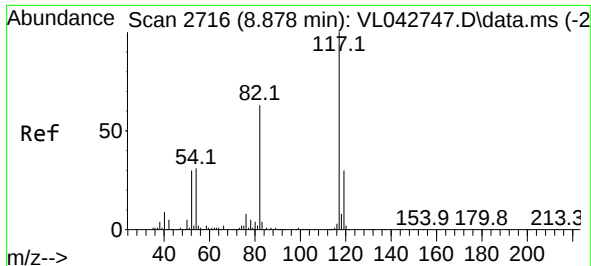
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 9.745 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

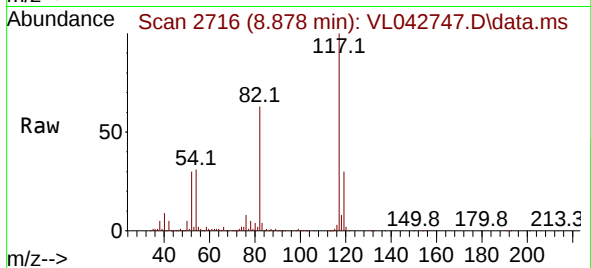
Tgt Ion:107 Resp: 238045
Ion Ratio Lower Upper
107 100
109 90.9 72.7 109.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

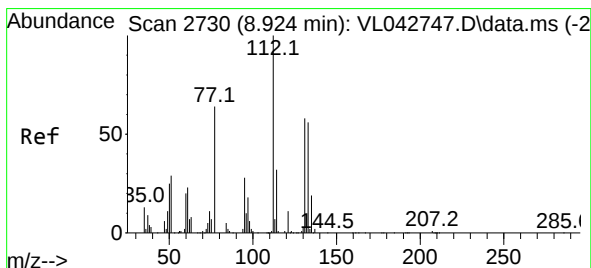
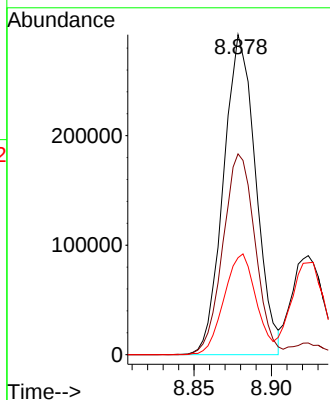
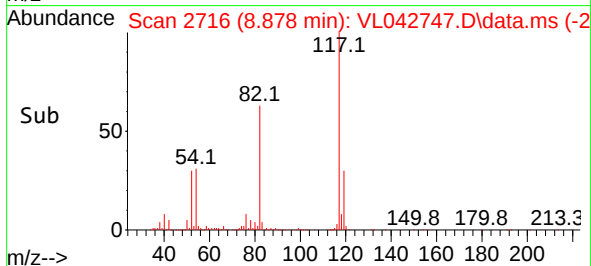
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:117 Resp: 422200
Ion Ratio Lower Upper
117 100
82 66.6 53.3 79.9
119 32.2 25.8 38.6

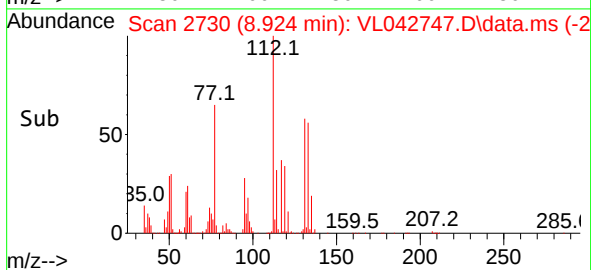
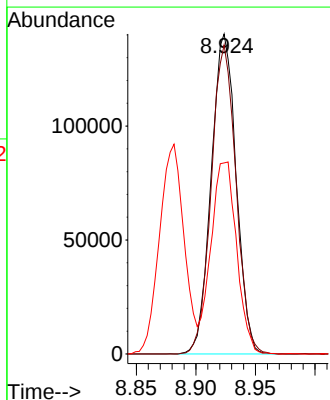
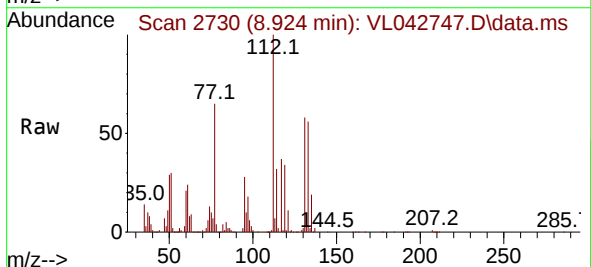
Manual Integrations
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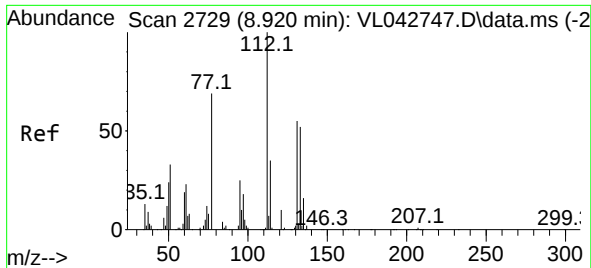
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 9.302 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

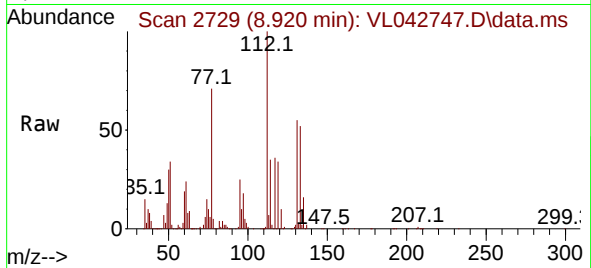
Tgt Ion:131 Resp: 204205
Ion Ratio Lower Upper
131 100
133 96.0 76.8 115.2
119 62.1 49.7 74.5





#57
Chlorobenzene
Concen: 9.082 ppbv
RT: 8.920 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

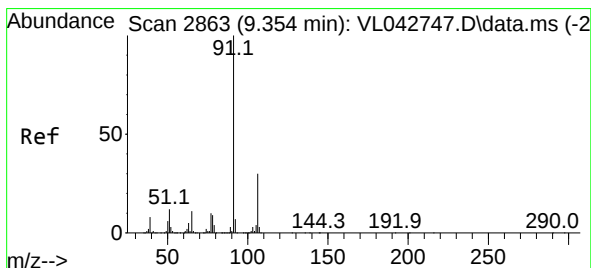
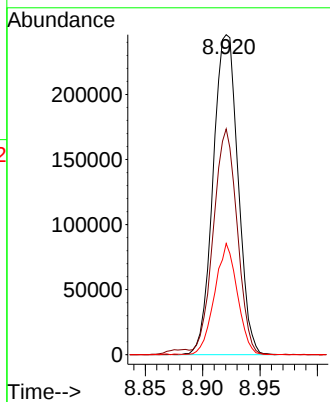
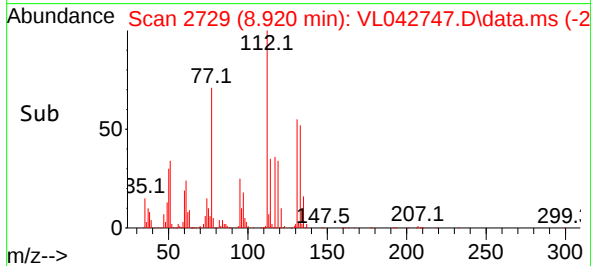
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



Tgt Ion:112 Resp: 37111
Ion Ratio Lower Upper
112 100
77 70.5 56.4 84.6
114 34.7 31.2 38.2

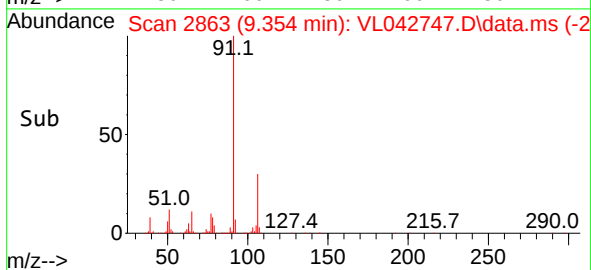
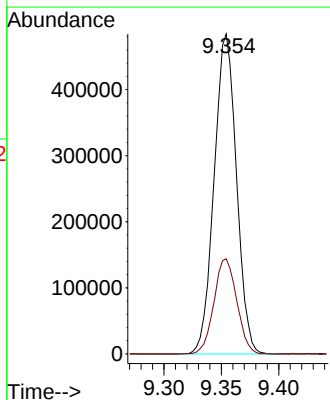
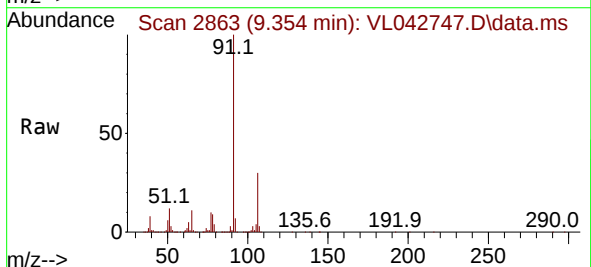
Manual Integrations
APPROVED

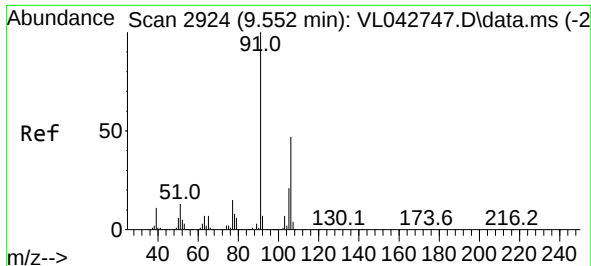
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#58
Ethyl Benzene
Concen: 9.824 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 655020
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6





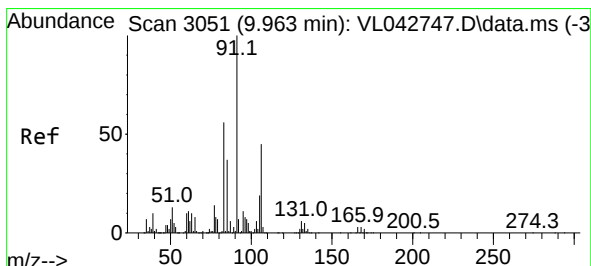
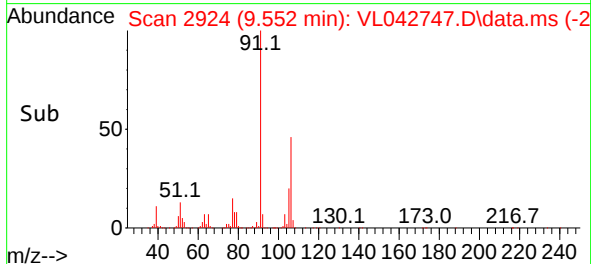
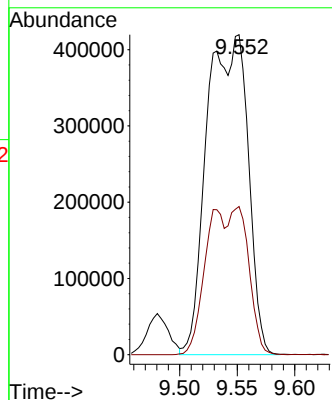
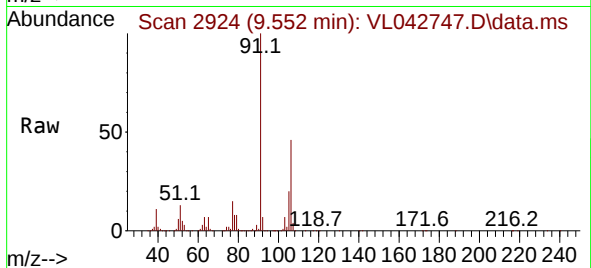
#59
m/p-Xylene
Concen: 19.555 ppbv m
RT: 9.552 min Scan# 2924
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 104233
Ion Ratio Lower Upper
91 100
106 46.8 37.4 56.2

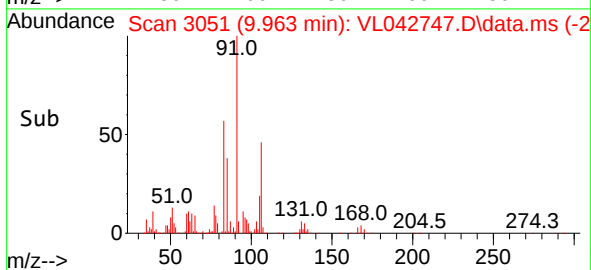
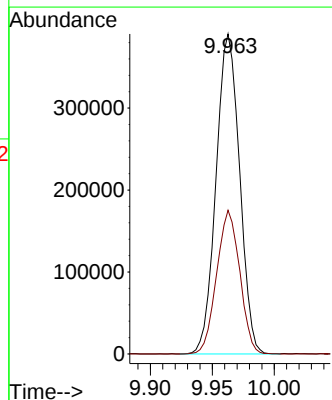
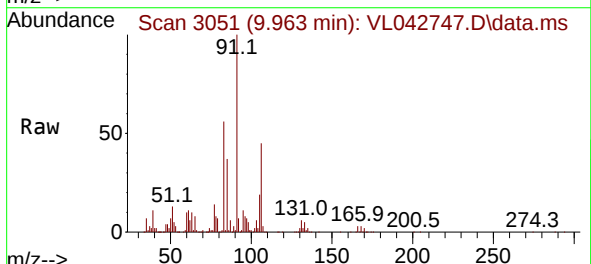
Manual Integrations
APPROVED

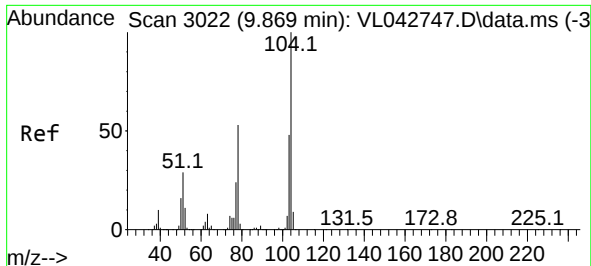
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#60
o-Xylene
Concen: 9.715 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion: 91 Resp: 517292
Ion Ratio Lower Upper
91 100
106 44.0 22.0 66.0





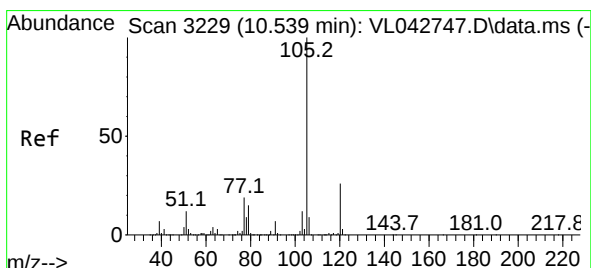
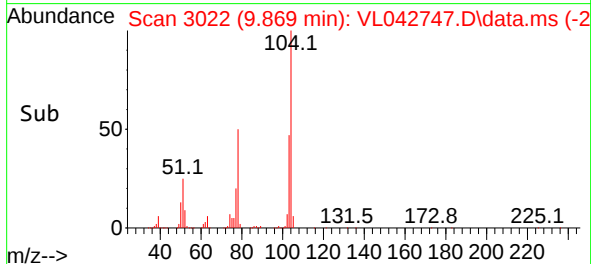
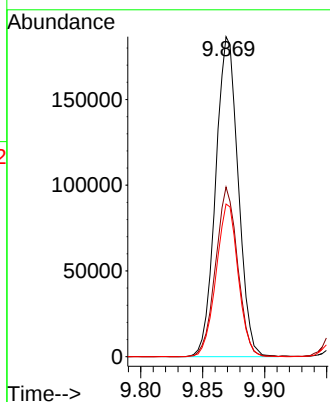
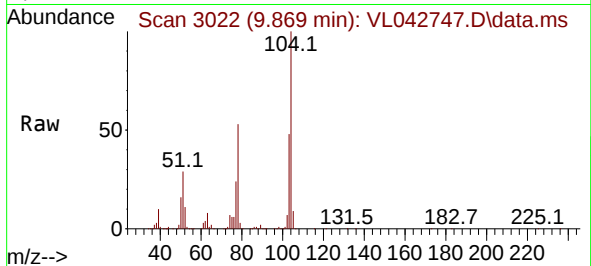
#61
Styrene
Concen: 10.568 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 236709
Ion Ratio Lower Upper
104 100
78 51.9 41.5 62.3
103 46.9 37.5 56.3

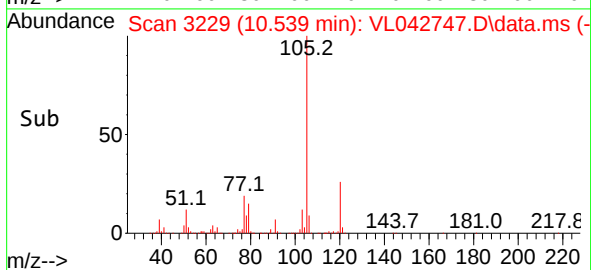
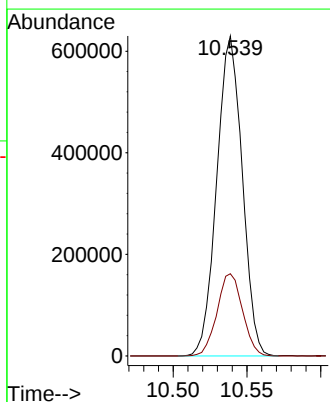
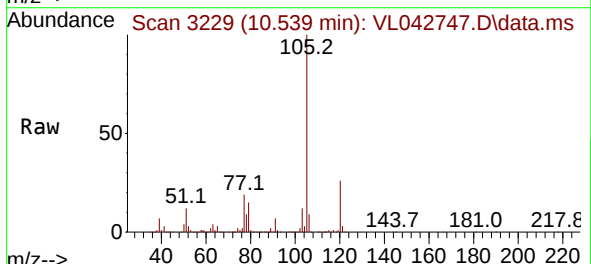
Manual Integrations
APPROVED

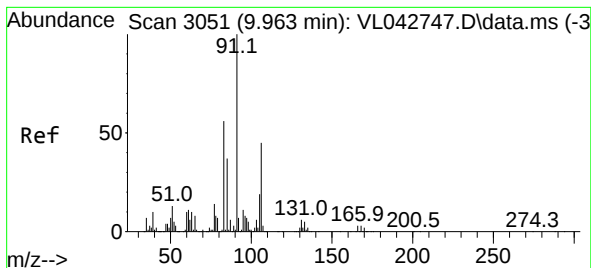
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#62
Isopropylbenzene
Concen: 9.641 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

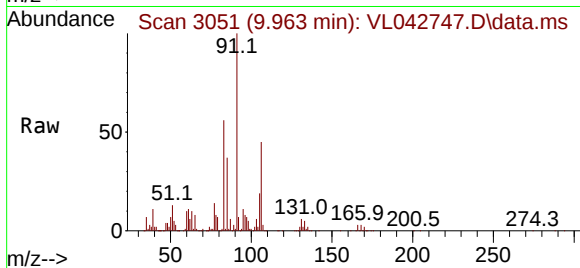
Tgt Ion:105 Resp: 757219
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7





#63
1,1,2,2-Tetrachloroethane
Concen: 8.434 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

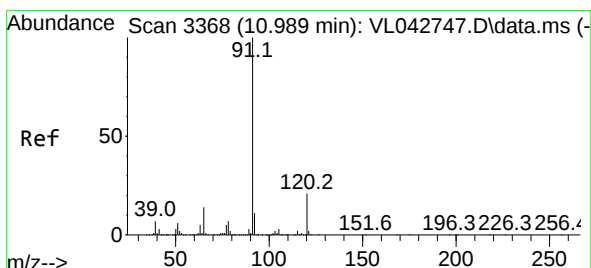
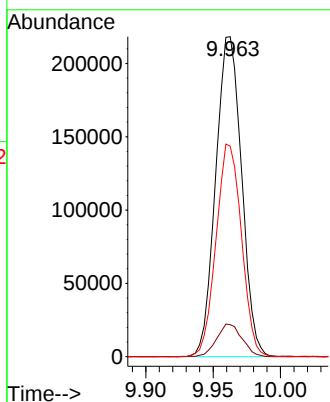
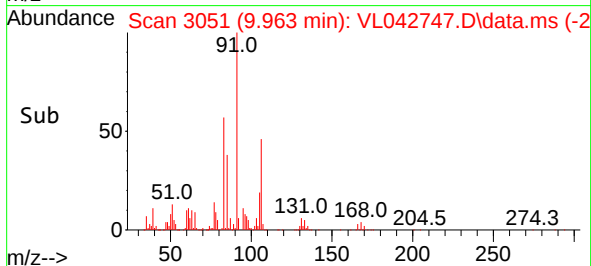
Instrument : MSVOA_L
ClientSampleId : VSTDICCC010



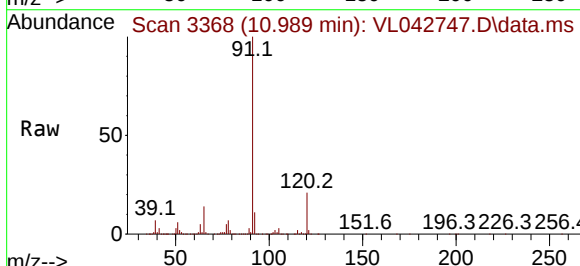
Tgt Ion: 83 Resp: 29256
Ion Ratio Lower Upper
83 100
131 10.0 5.0 15.0
85 65.1 32.6 97.7

Manual Integrations
APPROVED

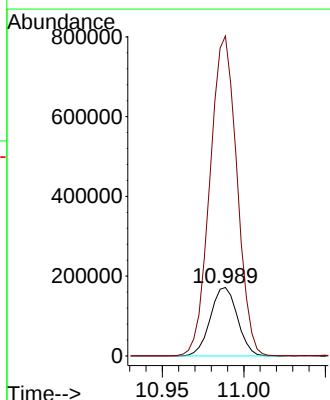
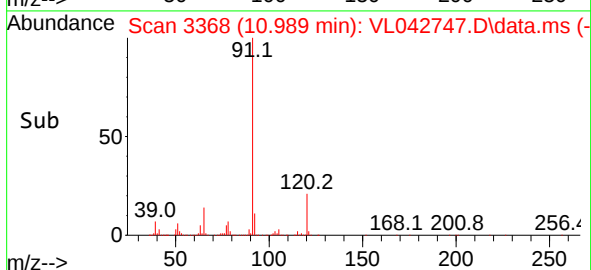
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

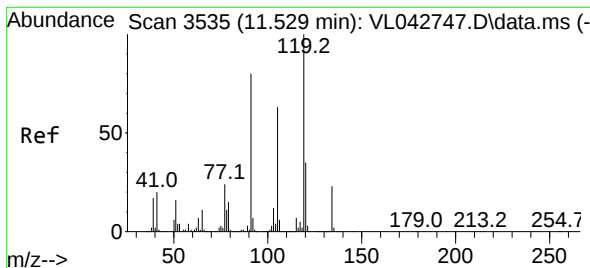


#64
n-propylbenzene
Concen: 9.675 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion:120 Resp: 198109
Ion Ratio Lower Upper
120 100
91 465.9 372.7 559.1





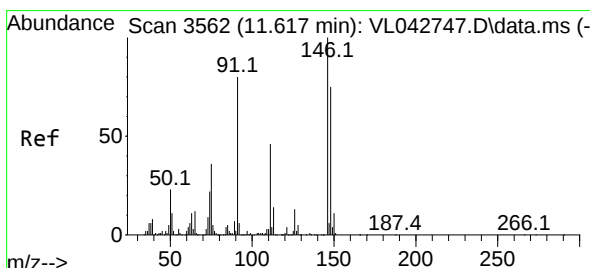
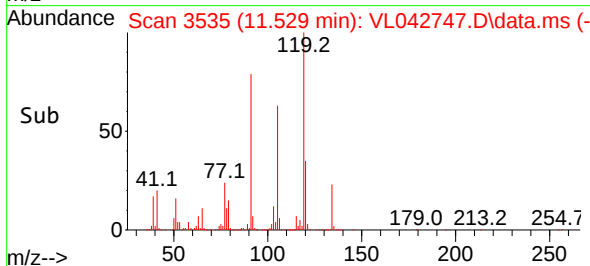
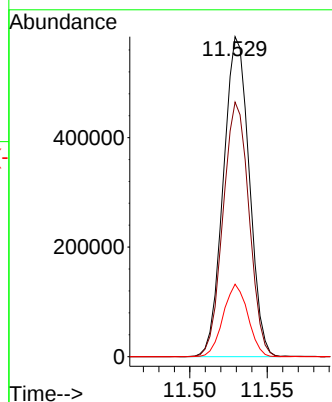
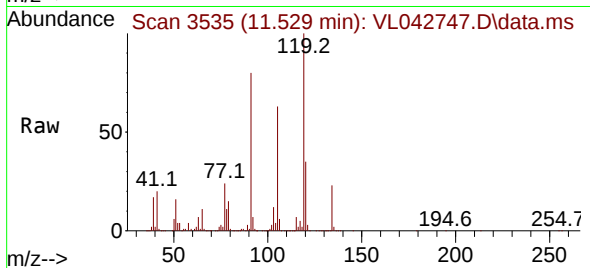
#65
tert-Butylbenzene
Concen: 9.721 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 678174
Ion Ratio Lower Upper
119 100
91 80.0 64.0 96.0
134 21.6 17.3 25.9

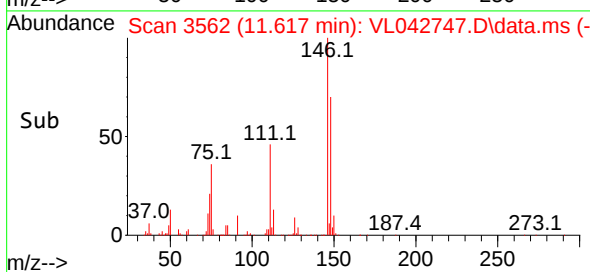
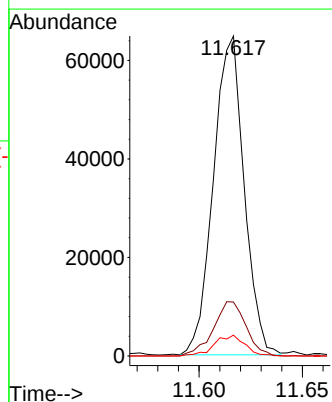
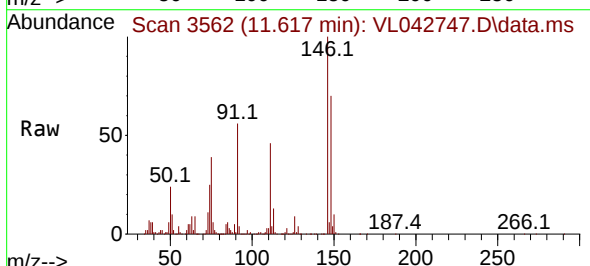
Manual Integrations
APPROVED

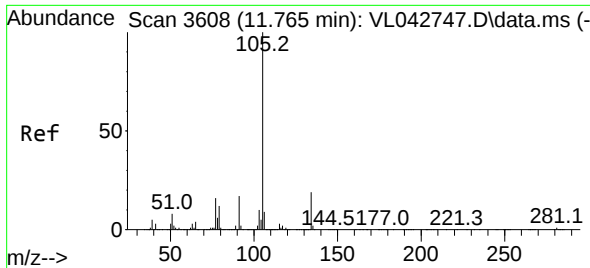
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#66
Benzyl Chloride
Concen: 11.691 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

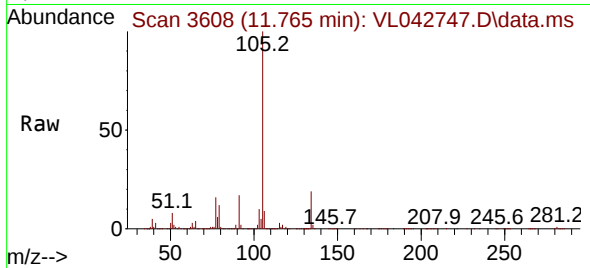
Tgt Ion: 91 Resp: 66954
Ion Ratio Lower Upper
91 100
126 18.0 14.4 21.6
128 6.5 5.2 7.8





#67
 sec-Butylbenzene
 Concen: 9.468 ppbv
 RT: 11.765 min Scan# 3608
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

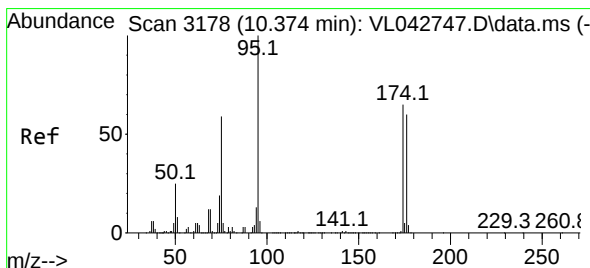
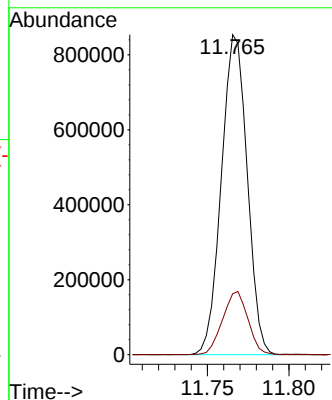
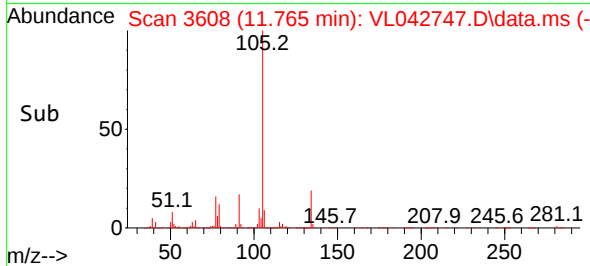
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



Tgt Ion:105 Resp: 939390
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.5 23.3

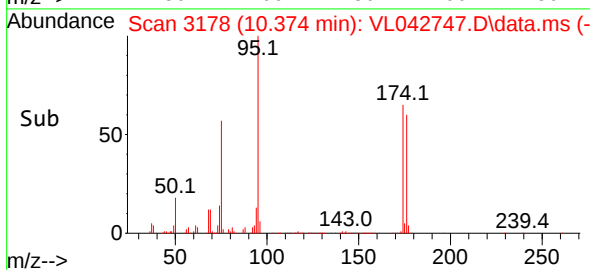
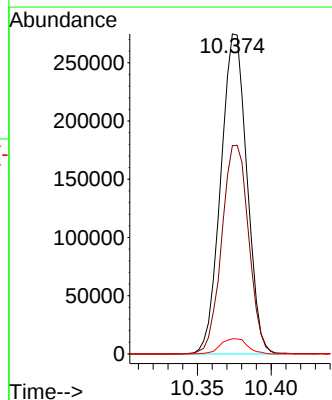
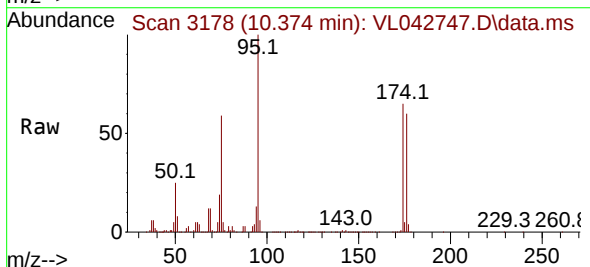
Manual Integrations
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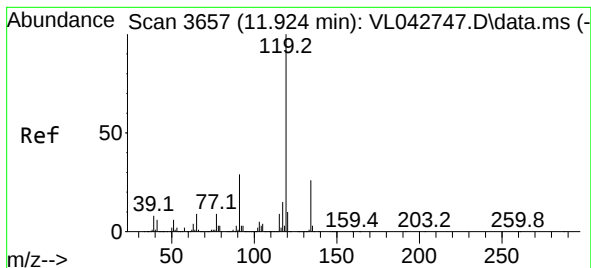
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.117 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

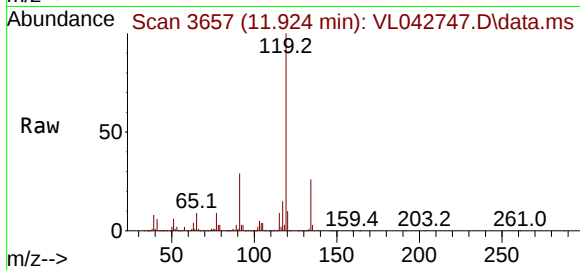
Tgt Ion: 95 Resp: 338271
 Ion Ratio Lower Upper
 95 100
 174 67.2 53.8 80.6
 175 5.0 4.0 6.0





#69
 p-Isopropyltoluene
 Concen: 10.061 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58

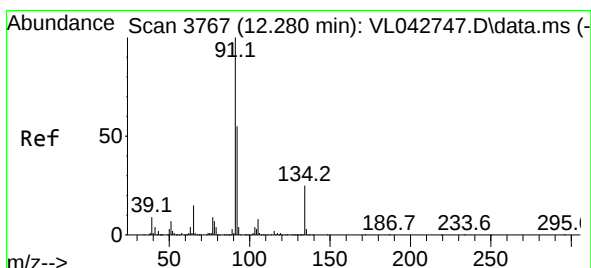
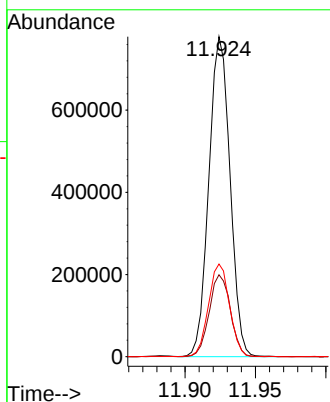
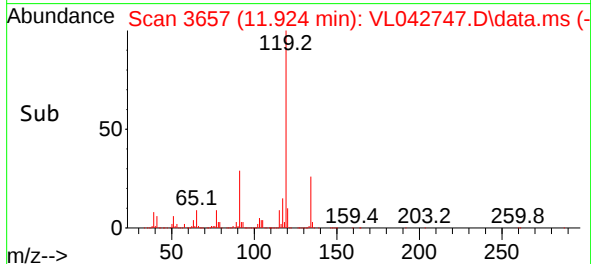
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010



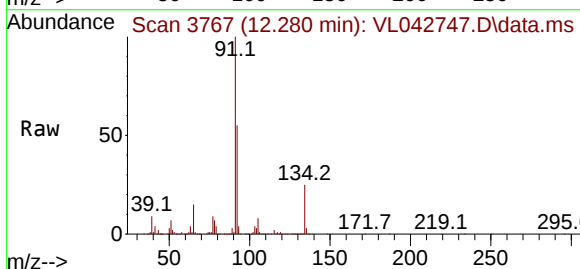
Tgt Ion:119 Resp: 814010
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.6 31.0
 91 29.0 23.2 34.8

Manual Integrations
 APPROVED

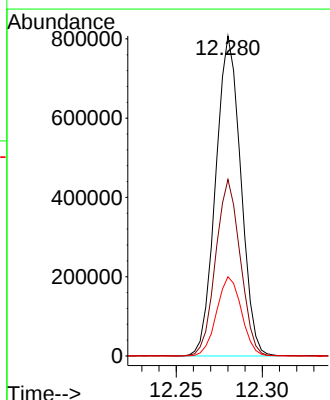
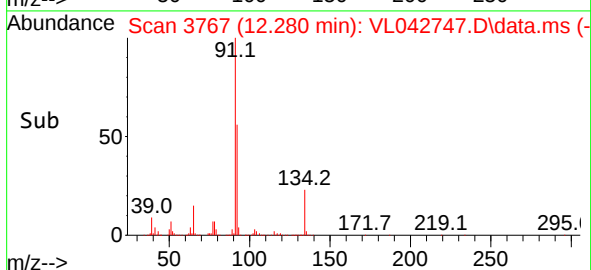
Reviewed By :Semsettin Yesilyurt 07/24/2025
 Supervised By :Mahesh Dadoda 07/24/2025

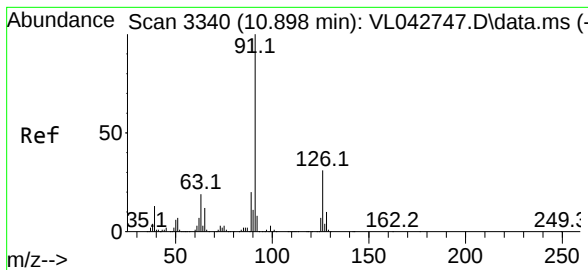


#70
 n-Butylbenzene
 Concen: 10.473 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.000 min
 Lab File: VL042747.D
 Acq: 23 Jul 2025 08:58



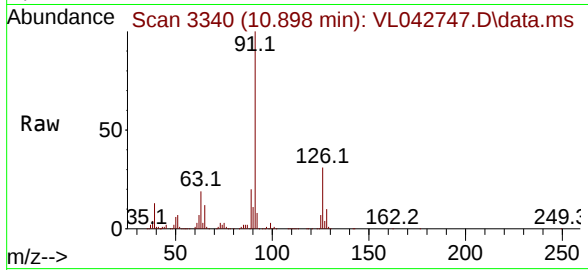
Tgt Ion: 91 Resp: 818457
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.4 65.2
 134 24.5 19.6 29.4





#71
2-Chlorotoluene
Concen: 9.708 ppbv
RT: 10.898 min Scan# 3340
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

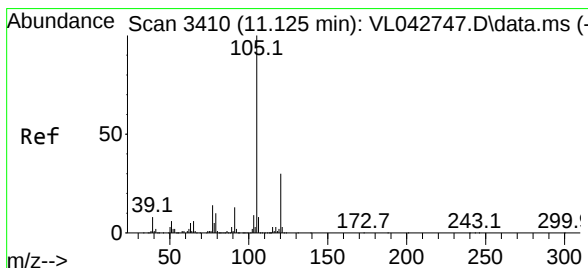
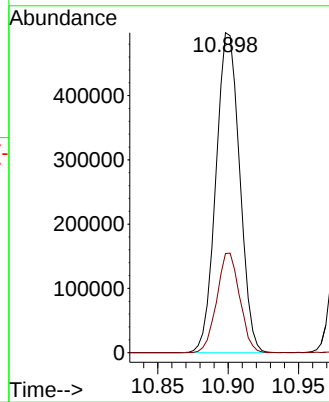
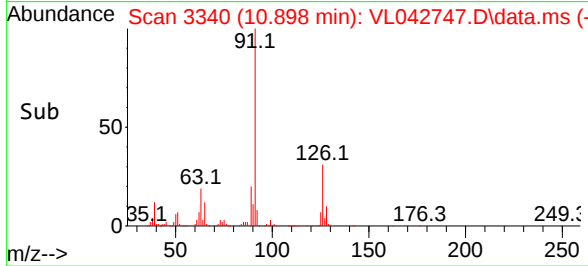
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



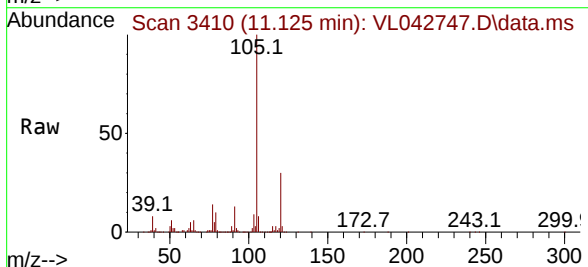
Tgt Ion: 91 Resp: 584629
Ion Ratio Lower Upper
91 100
126 30.1 12.0 48.2

Manual Integrations
APPROVED

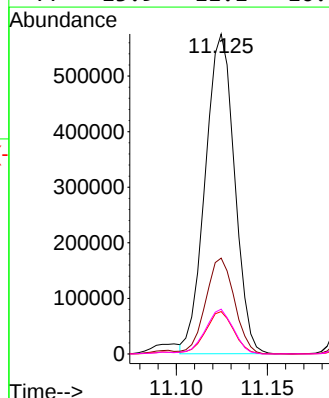
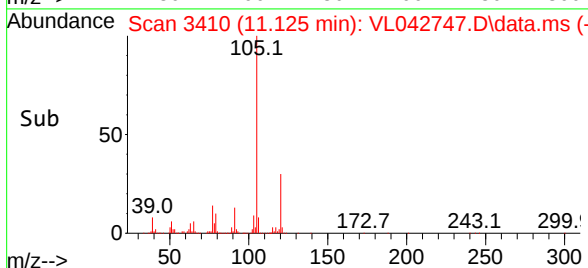
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

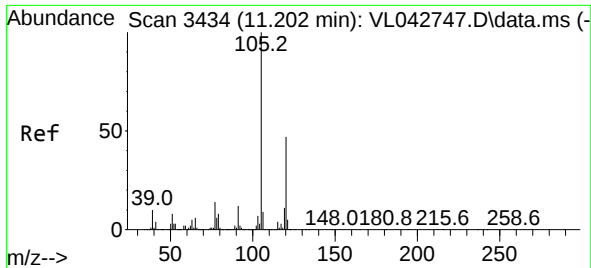


#72
4-Ethyltoluene
Concen: 10.120 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion:105 Resp: 643519
Ion Ratio Lower Upper
105 100
120 30.5 24.4 36.6
91 13.2 10.6 15.8
77 13.9 11.1 16.7





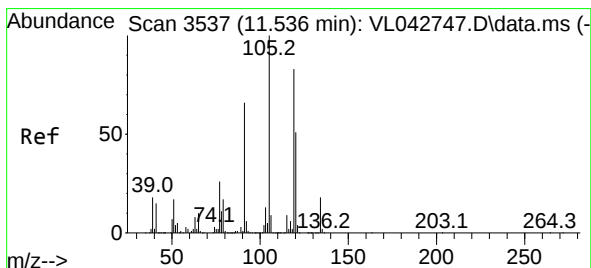
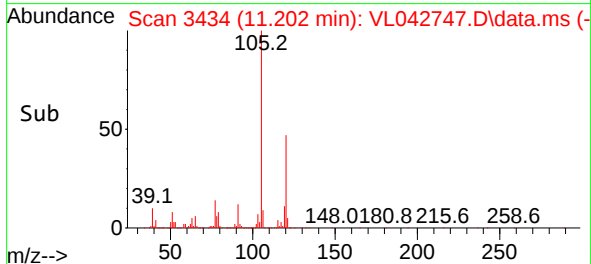
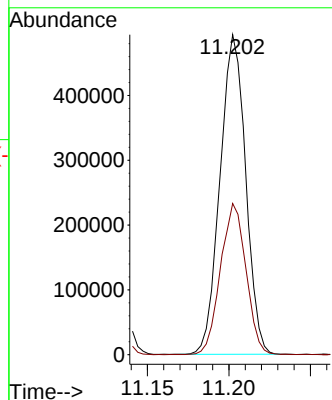
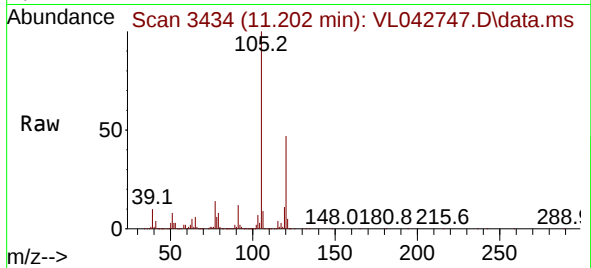
#73
1,3,5-Trimethylbenzene
Concen: 10.285 ppbv
RT: 11.202 min Scan# 3434
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 53845
Ion Ratio Lower Upper
105 100
120 47.3 37.8 56.8

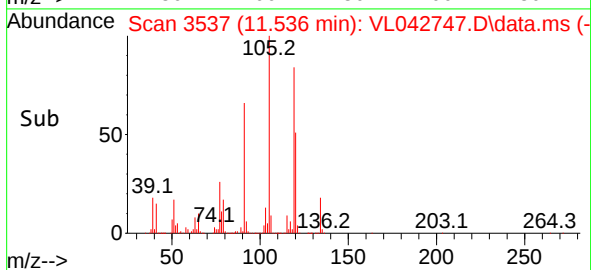
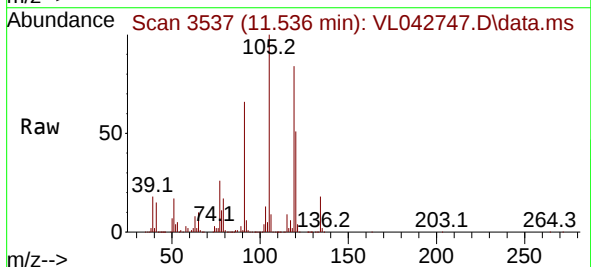
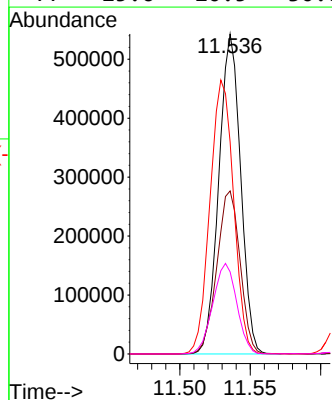
Manual Integrations
APPROVED

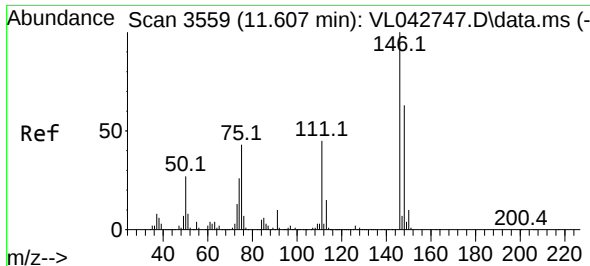
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#74
1,2,4-Trimethylbenzene
Concen: 10.232 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Tgt Ion:105 Resp: 584447
Ion Ratio Lower Upper
105 100
120 51.0 40.8 61.2
91 66.2 53.0 79.4
77 25.6 20.5 30.7





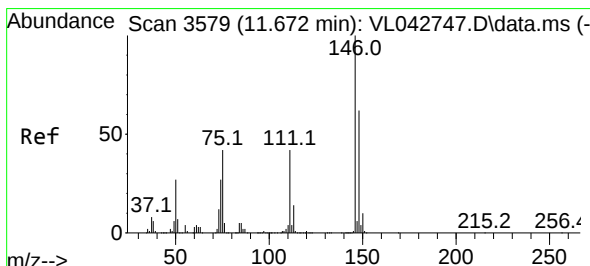
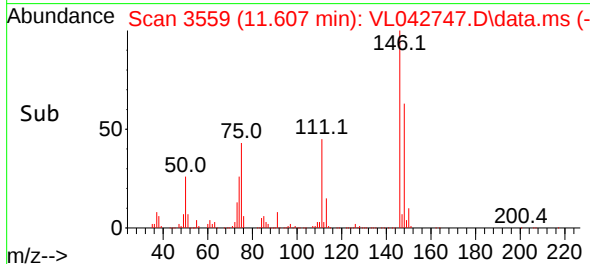
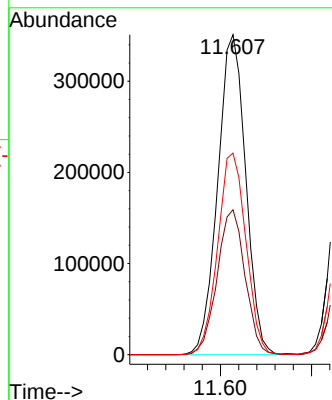
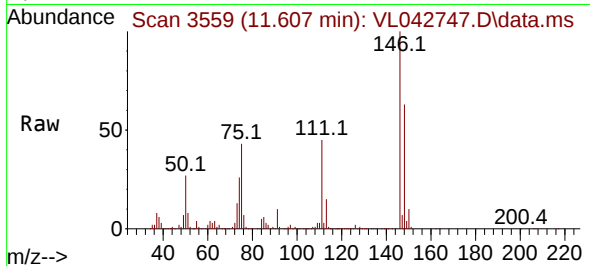
#75
1,3-Dichlorobenzene
Concen: 9.355 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 37458
Ion Ratio Lower Upper
146 100
111 45.3 22.7 68.0
148 63.7 31.9 95.5

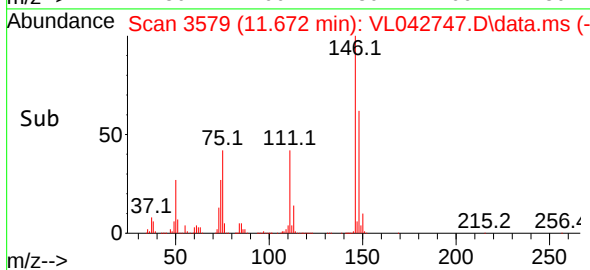
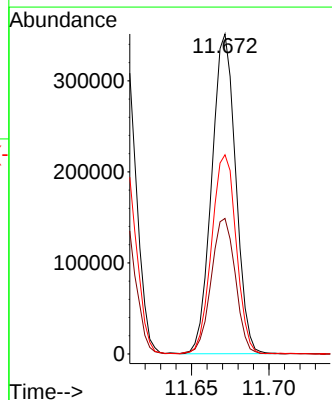
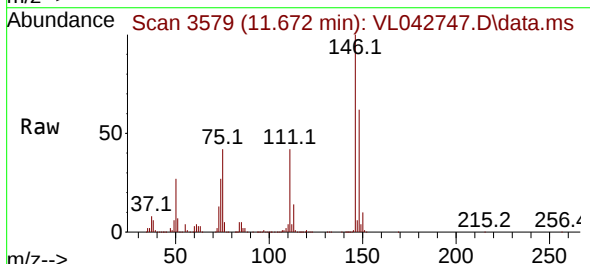
Manual Integrations
APPROVED

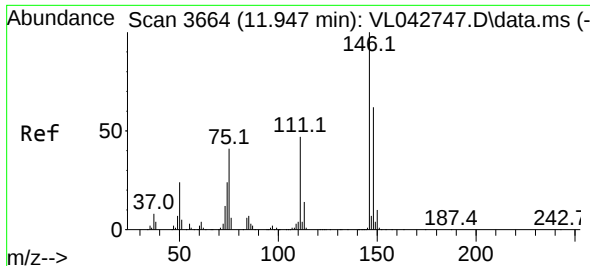
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#76
1,4-Dichlorobenzene
Concen: 9.649 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

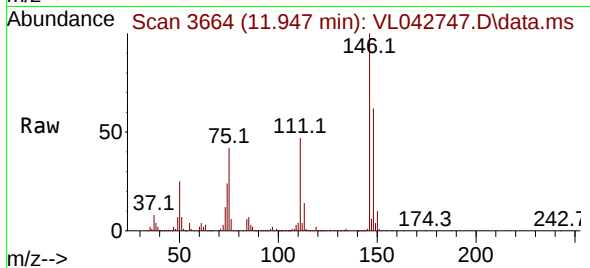
Tgt Ion:146 Resp: 378093
Ion Ratio Lower Upper
146 100
111 42.8 21.4 64.2
148 64.2 32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 9.102 ppbv
RT: 11.947 min Scan# 3664
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58

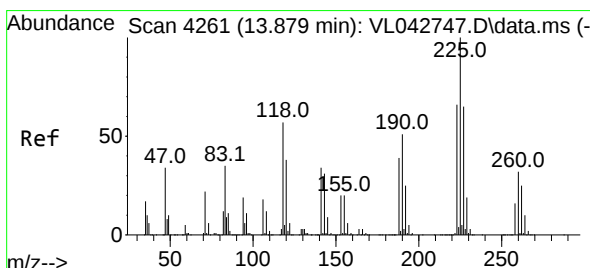
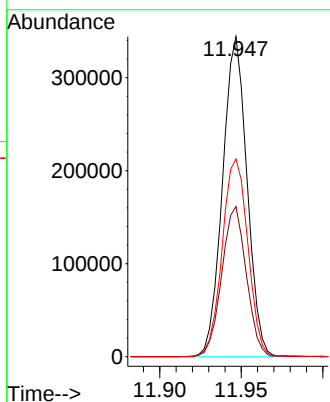
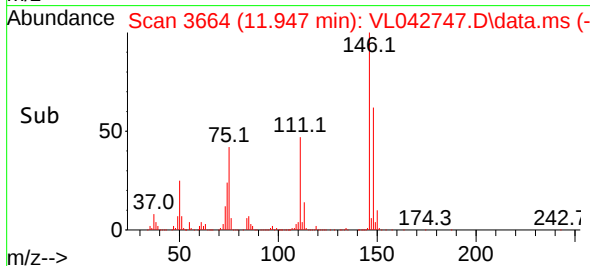
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010



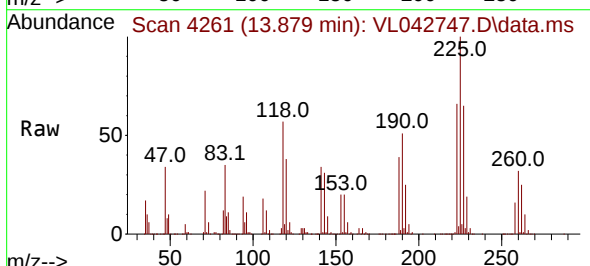
Tgt Ion:146 Resp: 358200
Ion Ratio Lower Upper
146 100
111 47.4 23.7 71.1
148 65.1 32.6 97.7

Manual Integrations
APPROVED

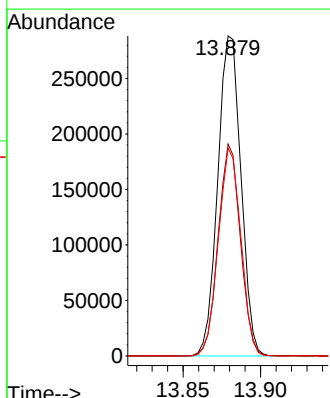
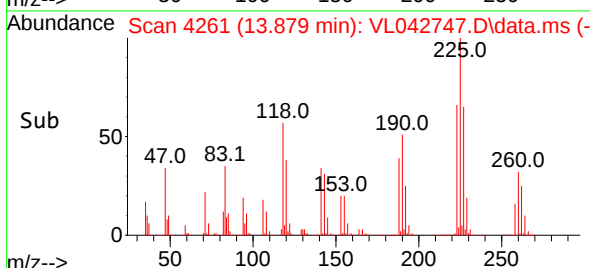
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

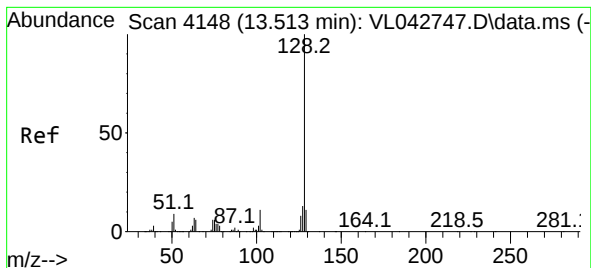


#78
Hexachloro-1,3-Butadiene
Concen: 8.444 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.000 min
Lab File: VL042747.D
Acq: 23 Jul 2025 08:58



Tgt Ion:225 Resp: 300801
Ion Ratio Lower Upper
225 100
223 63.4 50.7 76.1
227 63.1 50.5 75.7





#79

Naphthalene

Concen: 9.665 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:128 Resp: 598108

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

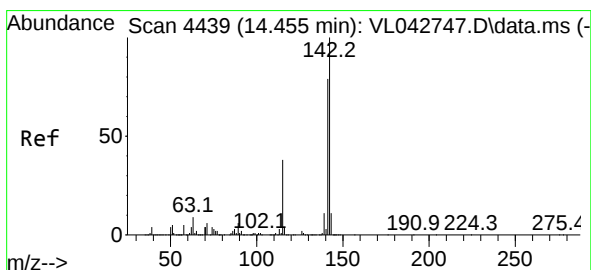
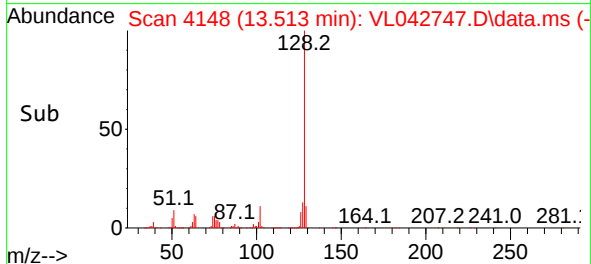
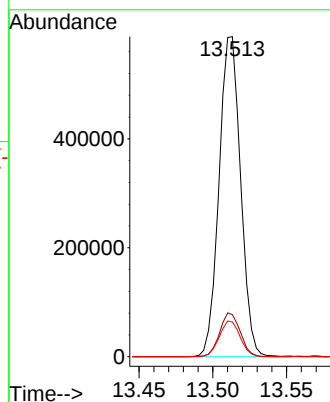
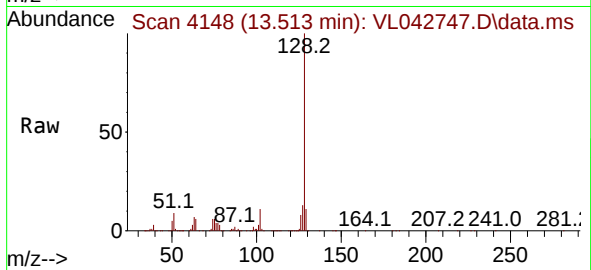
129 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#80

Naphthalene,2-methyl-

Concen: 9.404 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.000 min

Lab File: VL042747.D

Acq: 23 Jul 2025 08:58

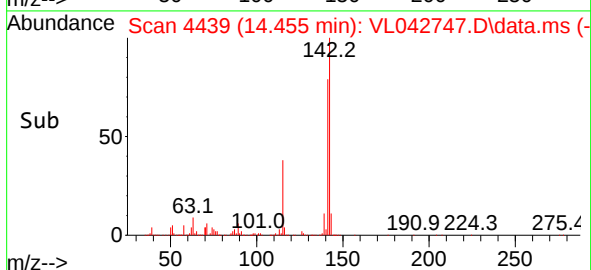
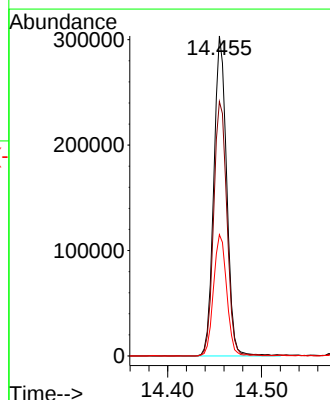
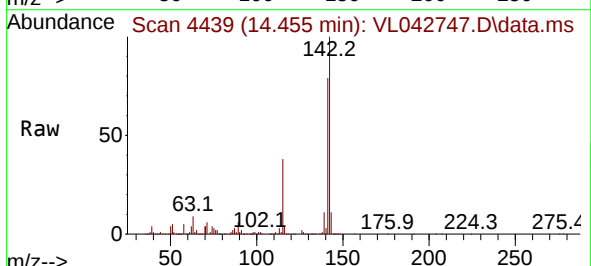
Tgt Ion:142 Resp: 289412

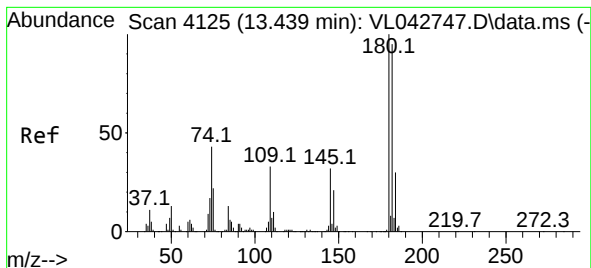
Ion Ratio Lower Upper

142 100

141 82.1 65.8 98.8

115 38.9 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 9.710 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042747.D

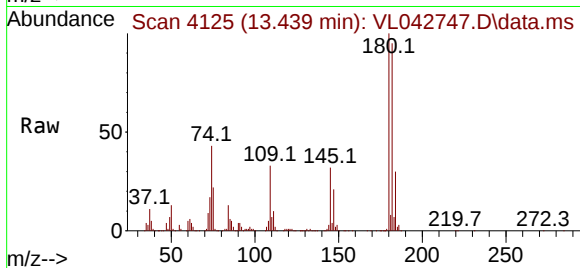
Acq: 23 Jul 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010



Tgt Ion:180 Resp: 337770

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

184 31.0 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025

