

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042724.D
 Acq On : 22 Jul 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/23/2025
 Supervised By : Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:30:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

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

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	101102	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	317924	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	282833	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 228709 10.005 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	34020	2.155	ppbv	92
3) Chlorodifluoromethane	1.476	51	37949	2.124	ppbv	99
4) Chloromethane	1.531	50	13732	2.125	ppbv	95
5) Vinyl Chloride	1.580	62	12070	1.891	ppbv	93
6) Bromomethane	1.667	94	5551	2.148	ppbv	100
7) Chloroethane	1.703	64	5191	2.138	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	28356	2.130	ppbv	97
9) Propene	1.483	41	13758	2.166	ppbv	93
10) Heptane	4.975	43	37947	2.144	ppbv	99
11) Trichlorofluoromethane	1.878	101	34792	2.142	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.140	101	26888	2.116	ppbv	99
13) Ethanol	1.719	45	2261	2.213	ppbv	99
14) Bromoethene	1.780	108	9630	2.125	ppbv #	96
15) Acetone	1.835	43	39947	2.360	ppbv	99
16) 1,3-Butadiene	1.609	39	15901	2.193	ppbv	90
17) tert-Butyl alcohol	2.039	59	33425	2.079	ppbv	96
18) 1,1-Dichloroethene	2.033	96	10946	2.025	ppbv #	68
19) Isopropyl Alcohol	1.884	45	18210	2.030	ppbv #	72
20) Methylene Chloride	2.062	84	11131	2.092	ppbv	92
21) Allyl Chloride	2.094	41	22673	2.089	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	12861	2.068	ppbv	81
23) Vinyl Acetate	2.460	43	39040	2.023	ppbv #	96
24) 1,1-Dichloroethane	2.408	63	24816	2.001	ppbv	97
25) Ethyl Acetate	2.832	43	67422	2.158	ppbv	98
26) Hexane	2.826	57	30312	2.212	ppbv	99
27) Carbon Disulfide	2.149	76	30719	2.099	ppbv #	89
28) Methyl tert-Butyl Ether	2.441	73	16908	2.122	ppbv	99
29) Chloroform	2.845	83	47714	2.109	ppbv	94
30) Cyclohexane	3.855	84	24823	2.076	ppbv	92
31) cis-1,2-Dichloroethene	2.719	61	31047	2.104	ppbv	94
32) 1,1,1-Trichloroethane	3.363	97	48546	2.037	ppbv	98
34) 2-Butanone	2.557	43	45795	2.092	ppbv	99
35) Carbon Tetrachloride	3.761	117	50507	1.939	ppbv	95
36) Benzene	3.655	78	60020	2.032	ppbv	98
37) 1,2-Dichloroethane	3.214	62	37767	2.005	ppbv #	93
38) Trichloroethene	4.545	130	28165m	1.959	ppbv	
39) 1,2-Dichloropropane	4.315	63	22394	2.036	ppbv	96
40) 1,4-Dioxane	4.587	88	10669m	2.106	ppbv	
41) Tetrahydrofuran	3.056	42	22526	2.013	ppbv	97
42) Bromodichloromethane	4.486	83	49877	2.023	ppbv	95
43) Methyl Methacrylate	4.878	69	23720	2.094	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	101672m	2.087	ppbv	
45) t-1,3-Dichloropropene	6.409	75	27030m	1.940	ppbv	

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Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:30:11 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M

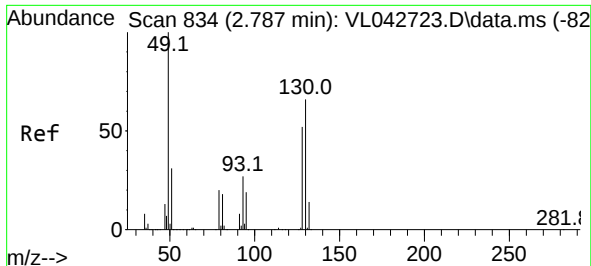
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Jul 23 01:27:20 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	33787m	2.042	ppbv	
47) 1,1,2-Trichloroethane	6.584	97	24456	2.030	ppbv #	81
48) Dibromochloromethane	7.383	129	39455	1.970	ppbv	98
49) Bromoform	9.484	173	35458	2.041	ppbv	95
50) 4-Methyl-2-Pentanone	5.749	43	59229	2.056	ppbv	99
51) 2-Hexanone	7.435	43	46981	2.039	ppbv #	98
52) Tetrachloroethene	8.221	164	24130	2.027	ppbv	95
53) Toluene	6.933	91	69313	2.081	ppbv	100
54) 1,2-Dibromoethane	7.652	107	36140	2.007	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	31192	2.047	ppbv	95
57) Chlorobenzene	8.921	112	57715	2.141	ppbv #	94
58) Ethyl Benzene	9.354	91	100177	2.120	ppbv	93
59) m/p-Xylene	9.548	91	161117m	4.255	ppbv	
60) o-Xylene	9.963	91	80565	2.111	ppbv	98
61) Styrene	9.869	104	34062	2.072	ppbv	97
62) Isopropylbenzene	10.539	105	121281	2.138	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.959	83	44263	2.029	ppbv	98
64) n-propylbenzene	10.989	120	30013	2.097	ppbv	97
65) tert-Butylbenzene	11.529	119	109751	2.162	ppbv	98
66) Benzyl Chloride	11.613	91	8963	1.858	ppbv #	96
67) sec-Butylbenzene	11.766	105	149105	2.138	ppbv	98
69) p-Isopropyltoluene	11.924	119	126075	2.158	ppbv	99
70) n-Butylbenzene	12.280	91	121157	2.170	ppbv	99
71) 2-Chlorotoluene	10.901	91	92375	2.148	ppbv	100
72) 4-Ethyltoluene	11.125	105	96669	2.124	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	79639	2.116	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	85886	2.080	ppbv #	86
75) 1,3-Dichlorobenzene	11.604	146	59294	2.147	ppbv	96
76) 1,4-Dichlorobenzene	11.672	146	57524	2.153	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	55352	2.091	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	57751	2.241	ppbv	100
79) Naphthalene	13.510	128	61412	1.995	ppbv	97
80) Naphthalene,2-methyl-	14.458	142	7143	0.705	ppbv	93
81) 1,2,4-Trichlorobenzene	13.439	180	39481	2.095	ppbv	99

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



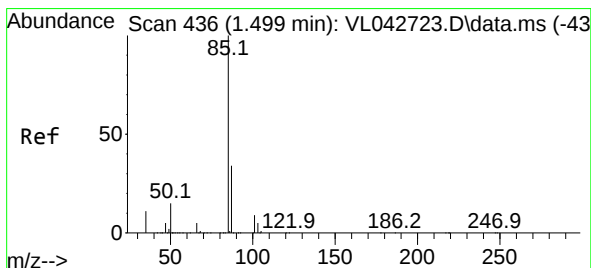
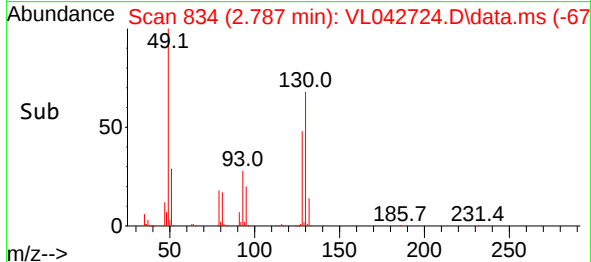
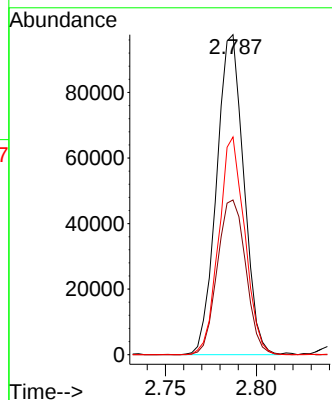
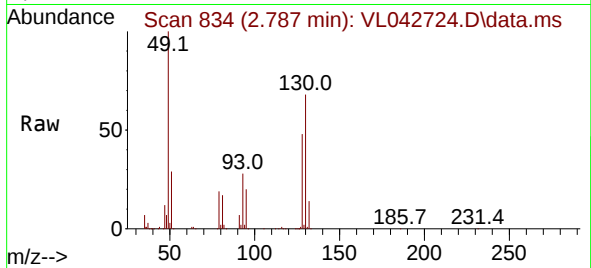
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 834
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 49 Resp: 10110
Ion Ratio Lower Upper
49 100
128 50.6 24.5 73.5
130 65.1 31.7 95.1

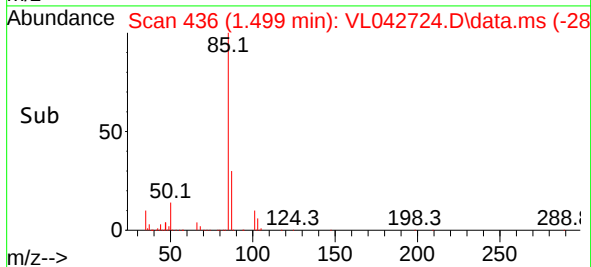
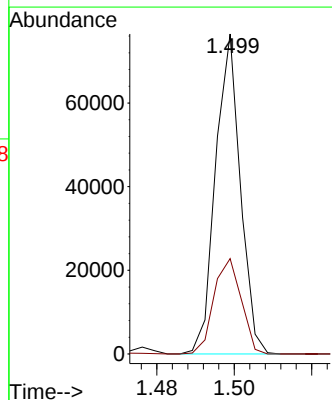
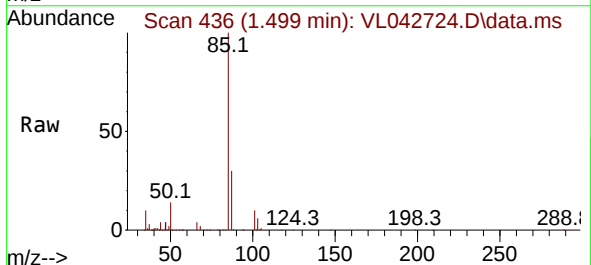
Manual Integrations
APPROVED

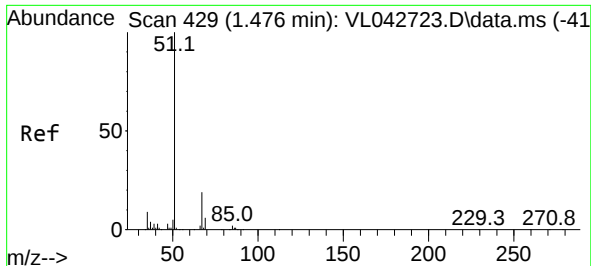
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#2
Dichlorodifluoromethane
Concen: 2.155 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

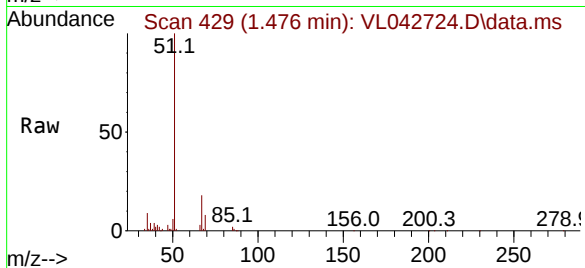
Tgt Ion: 85 Resp: 34020
Ion Ratio Lower Upper
85 100
87 29.8 27.5 41.3





#3
Chlorodifluoromethane
Concen: 2.124 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

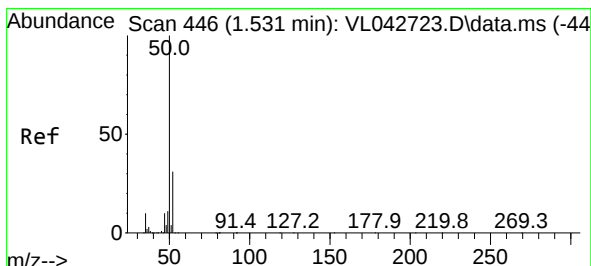
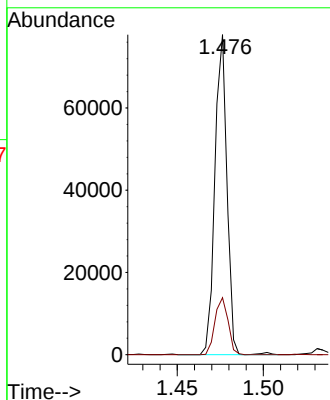
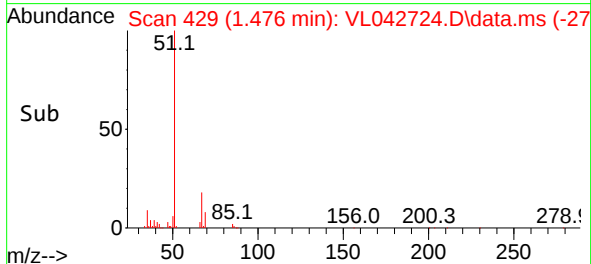
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



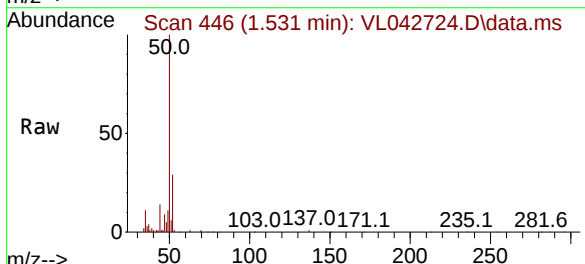
Tgt Ion: 51 Resp: 37949
Ion Ratio Lower Upper
51 100
67 19.4 16.0 24.0

Manual Integrations
APPROVED

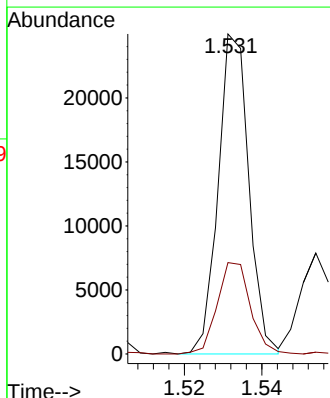
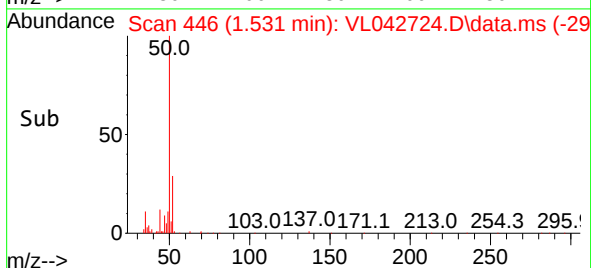
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

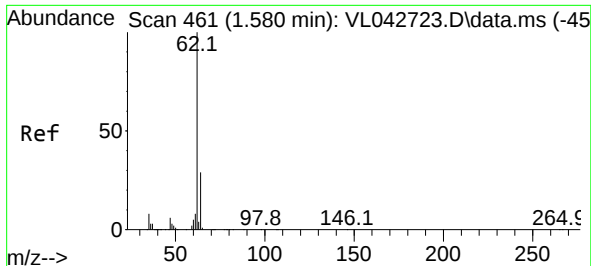


#4
Chloromethane
Concen: 2.125 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



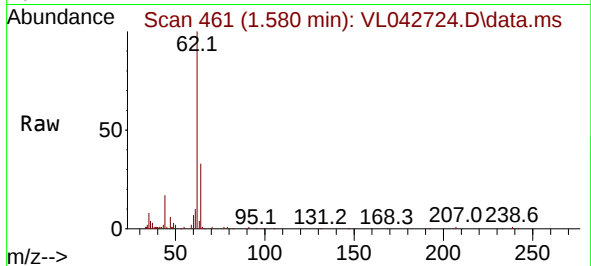
Tgt Ion: 50 Resp: 13732
Ion Ratio Lower Upper
50 100
52 28.5 24.9 37.3





#5
 Vinyl Chloride
 Concen: 1.891 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

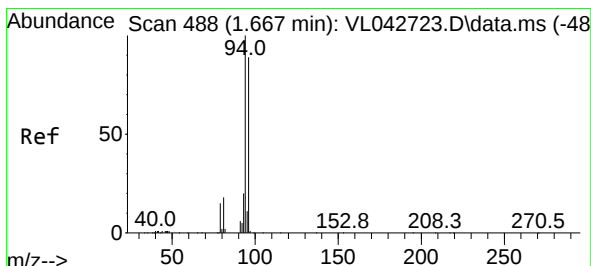
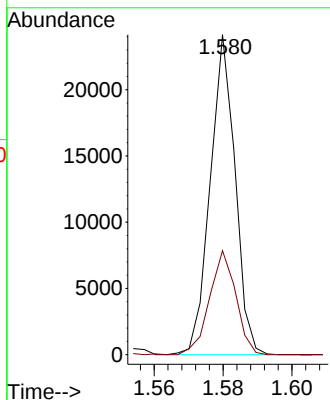
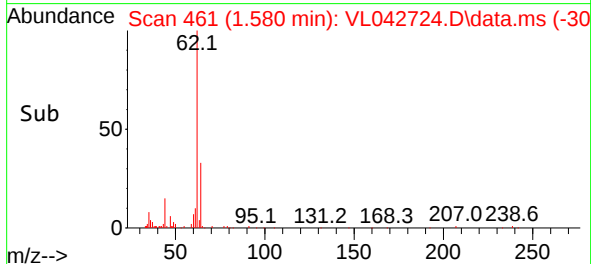
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion: 62 Resp: 12070
 Ion Ratio Lower Upper
 62 100
 64 32.5 23.0 34.6

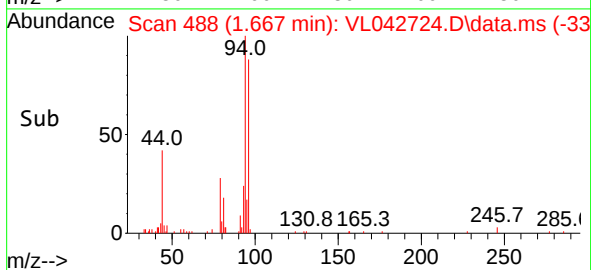
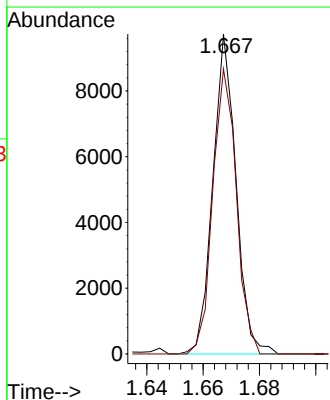
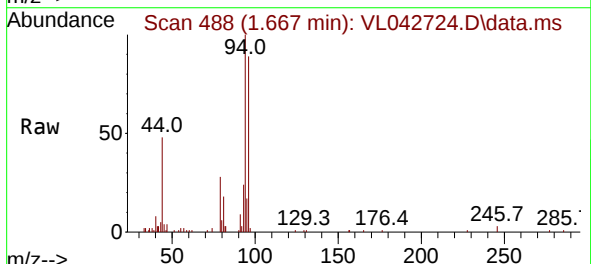
Manual Integrations
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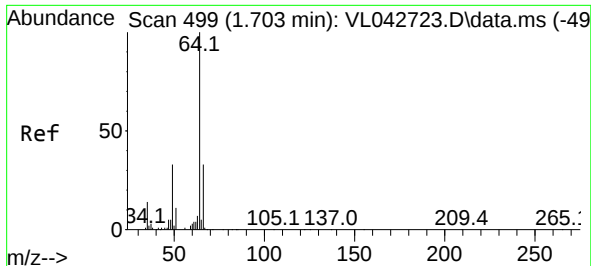
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#6
 Bromomethane
 Concen: 2.148 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

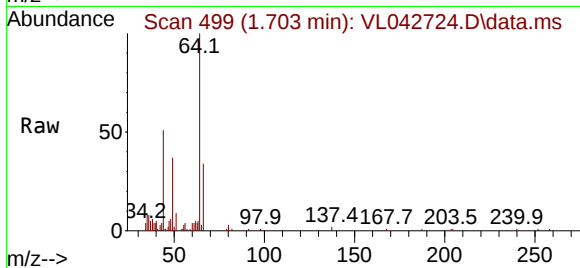
Tgt Ion: 94 Resp: 5551
 Ion Ratio Lower Upper
 94 100
 96 89.0 71.1 106.7





#7
Chloroethane
Concen: 2.138 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

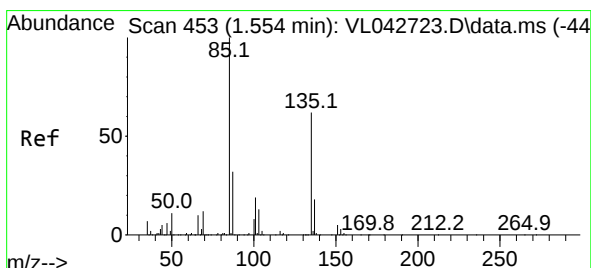
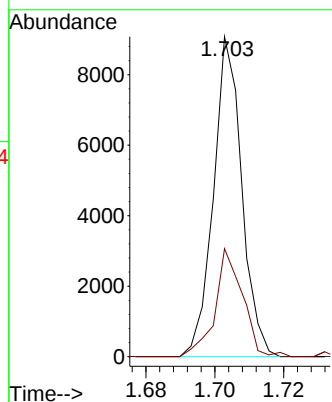
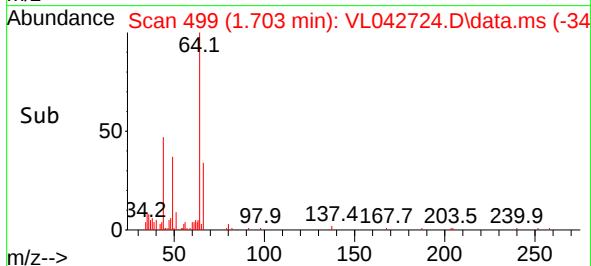
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



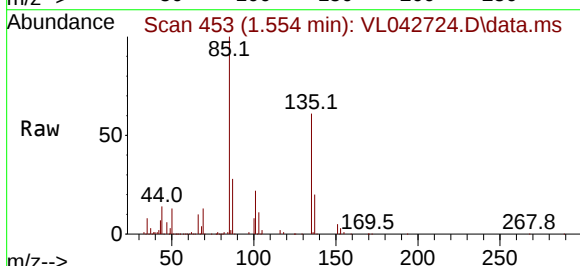
Tgt Ion: 64 Resp: 519
Ion Ratio Lower Upper
64 100
66 33.8 26.4 39.6

Manual Integrations
APPROVED

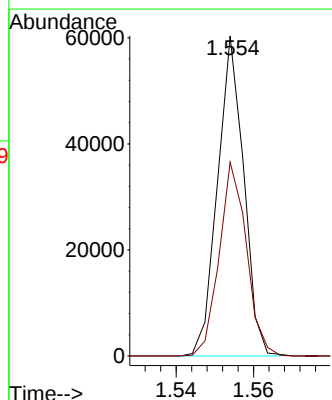
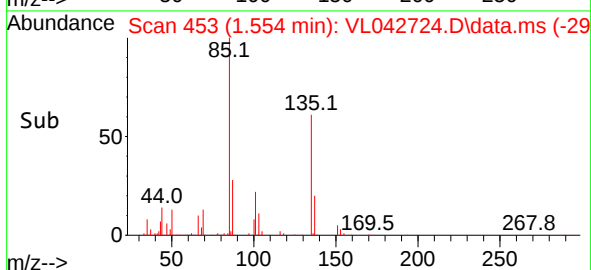
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

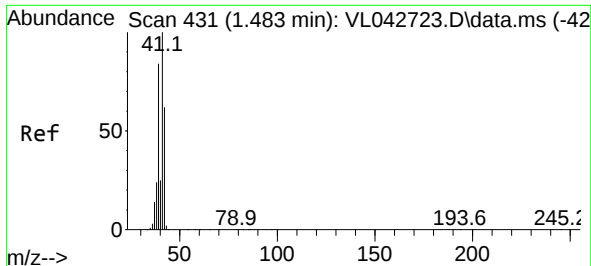


#8
Dichlorotetrafluoroethane
Concen: 2.130 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



Tgt Ion: 85 Resp: 28356
Ion Ratio Lower Upper
85 100
135 63.0 52.0 78.0





#9

Propene

Concen: 2.166 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 13758

Ion Ratio Lower Upper

41 100

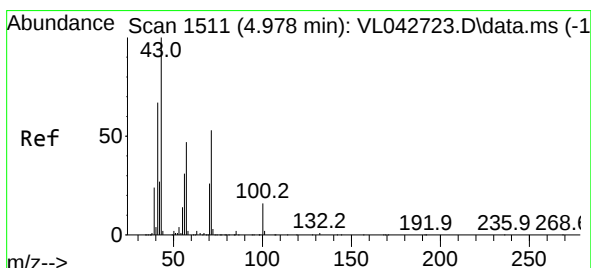
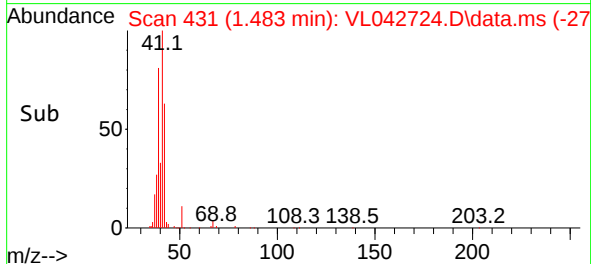
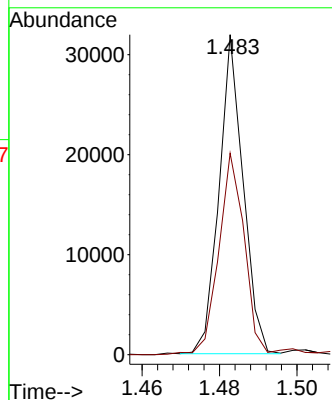
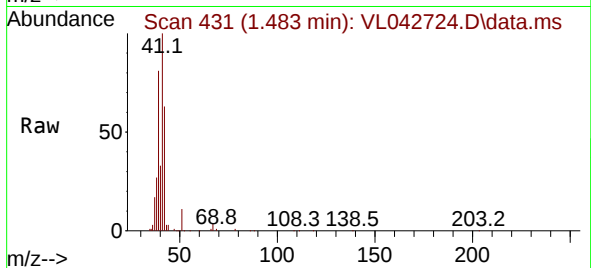
42 70.4 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#10

Heptane

Concen: 2.144 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.003 min

Lab File: VL042724.D

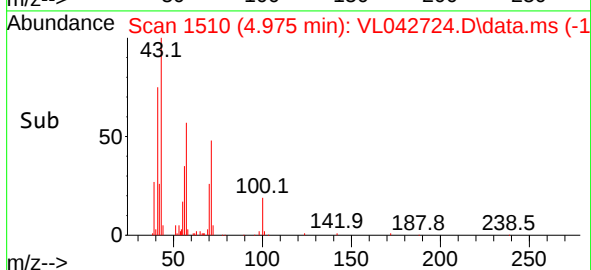
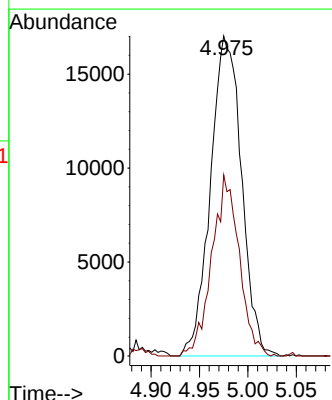
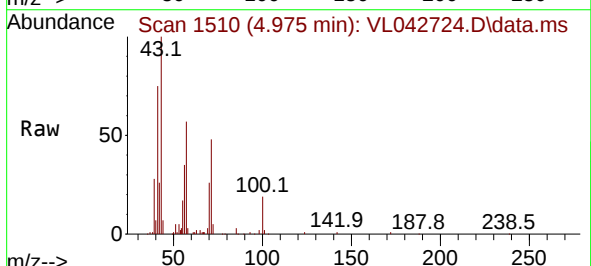
Acq: 22 Jul 2025 09:30

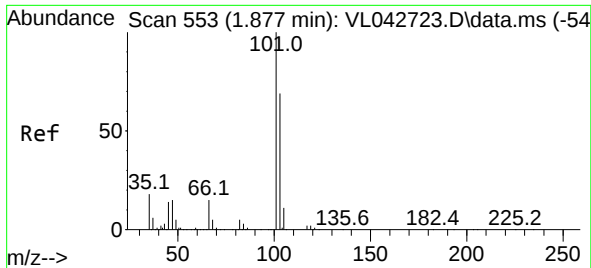
Tgt Ion: 43 Resp: 37947

Ion Ratio Lower Upper

43 100

57 49.7 39.1 58.7





#11

Trichlorofluoromethane

Concen: 2.142 ppbv

RT: 1.878 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:101 Resp: 34792

Ion Ratio Lower Upper

101 100

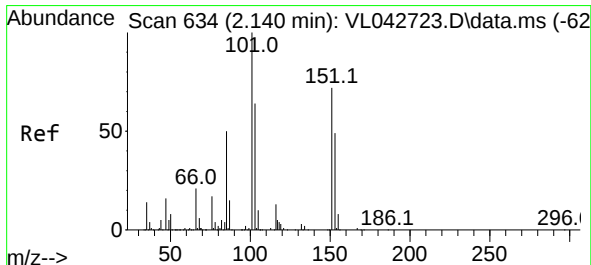
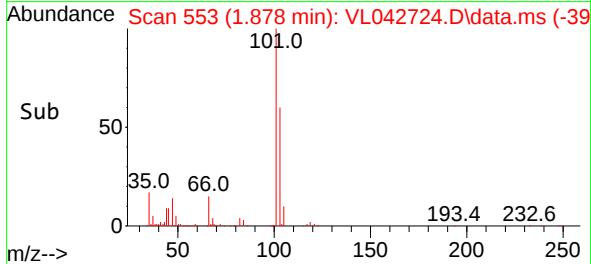
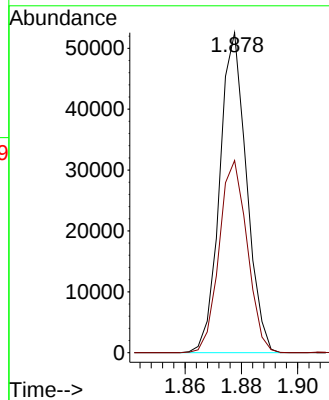
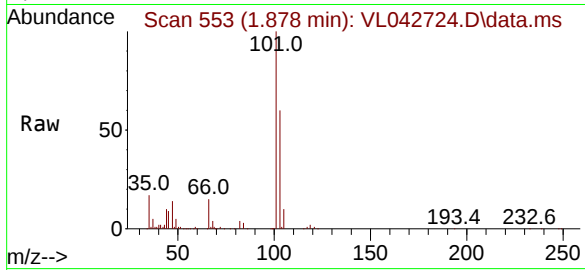
103 60.1 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.116 ppbv

RT: 2.140 min Scan# 634

Delta R.T. 0.000 min

Lab File: VL042724.D

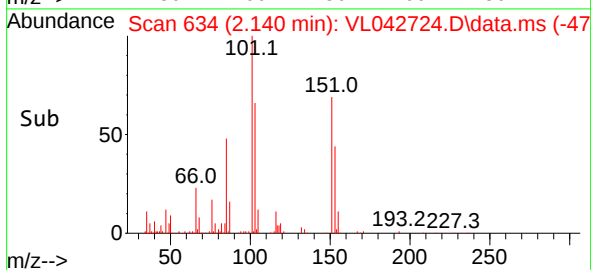
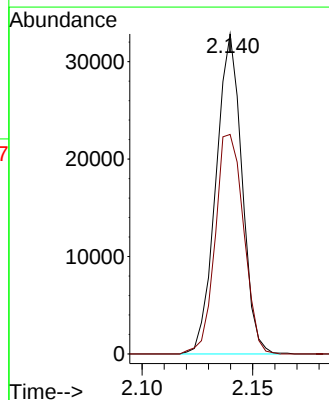
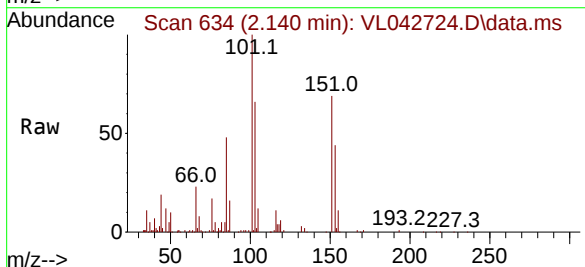
Acq: 22 Jul 2025 09:30

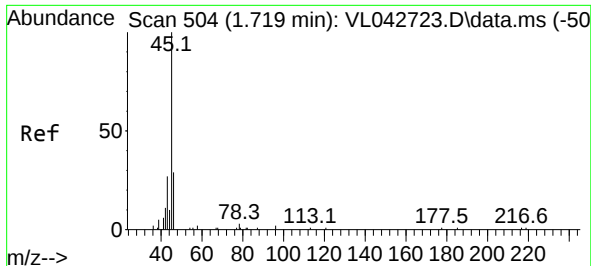
Tgt Ion:101 Resp: 26888

Ion Ratio Lower Upper

101 100

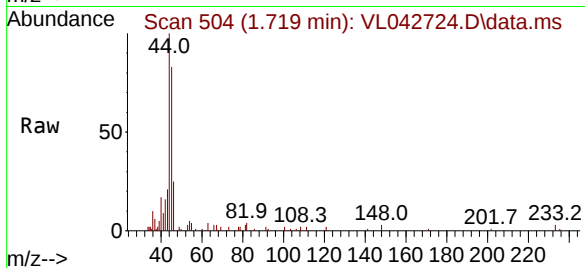
151 75.0 59.1 88.7





#13
Ethanol
Concen: 2.213 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

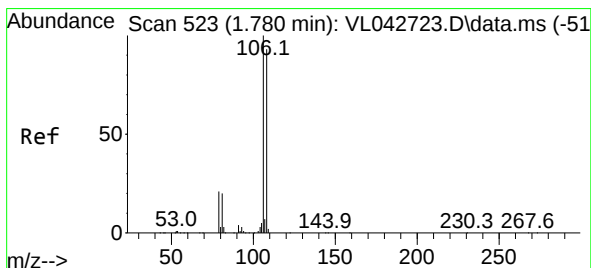
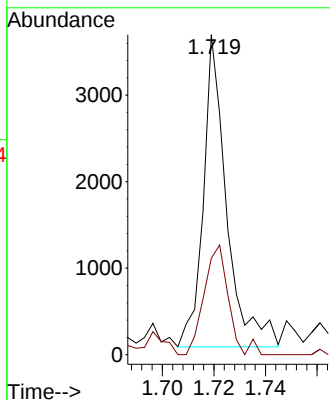
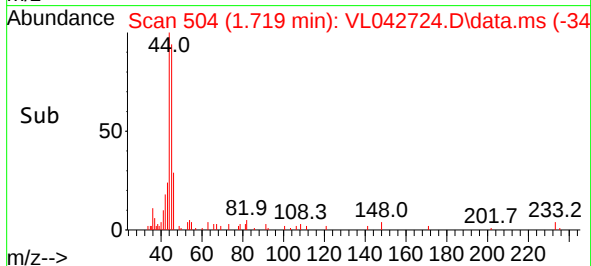
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



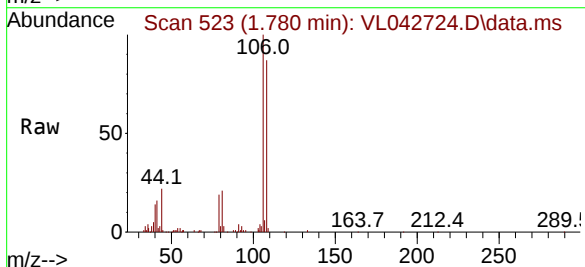
Tgt Ion: 45 Resp: 226
Ion Ratio Lower Upper
45 100
46 41.6 16.3 65.1

Manual Integrations
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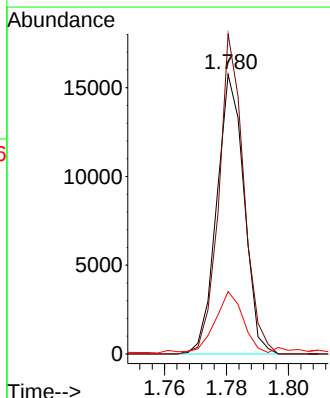
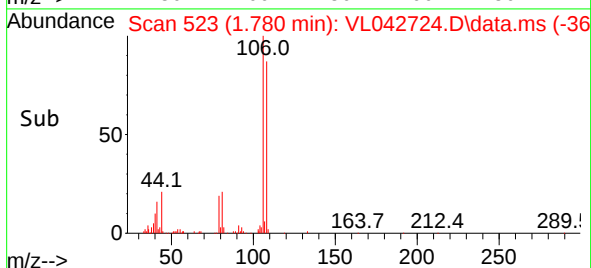
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

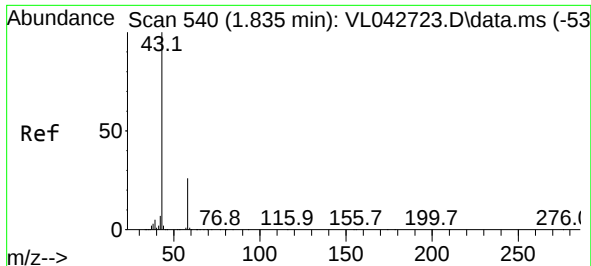


#14
Bromoethene
Concen: 2.125 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



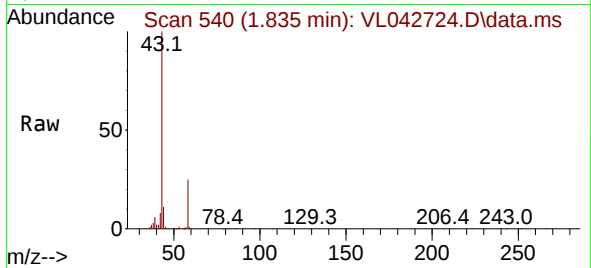
Tgt Ion:108 Resp: 9630
Ion Ratio Lower Upper
108 100
106 104.6 85.4 128.0
79 28.9 17.4 26.2#





#15
Acetone
Concen: 2.360 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

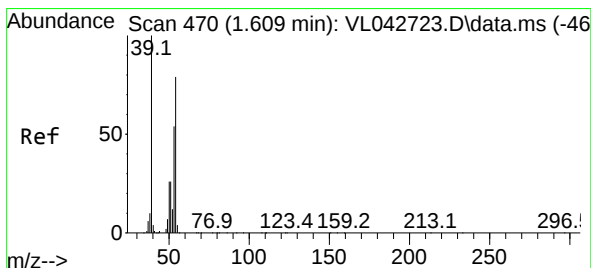
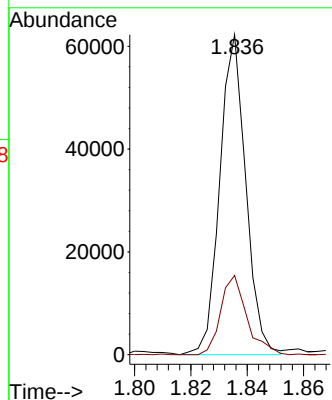
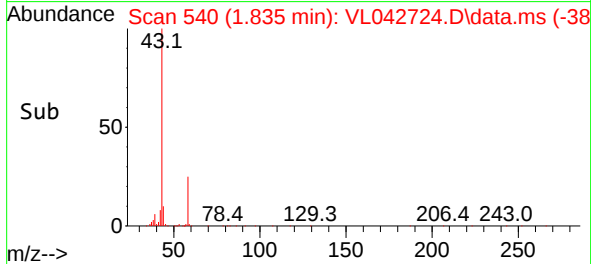
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



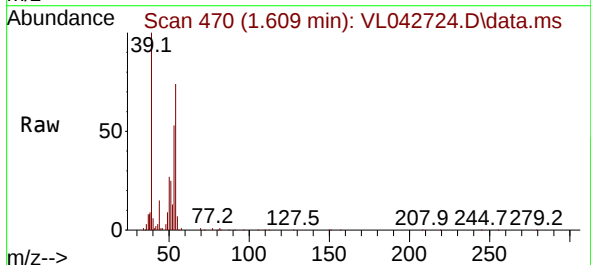
Tgt Ion: 43 Resp: 3994
Ion Ratio Lower Upper
43 100
58 25.1 20.5 30.7

Manual Integrations
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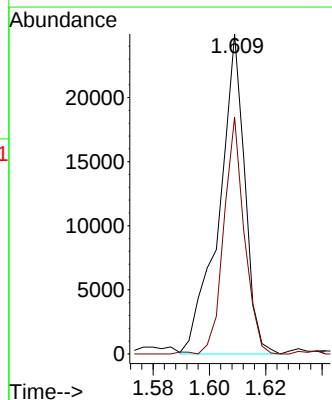
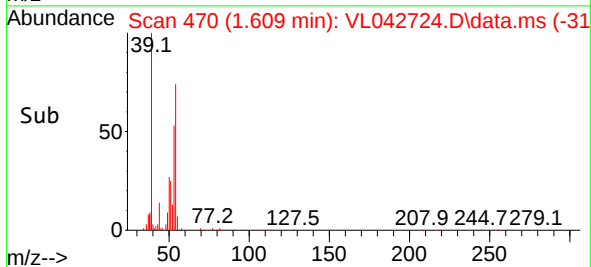
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

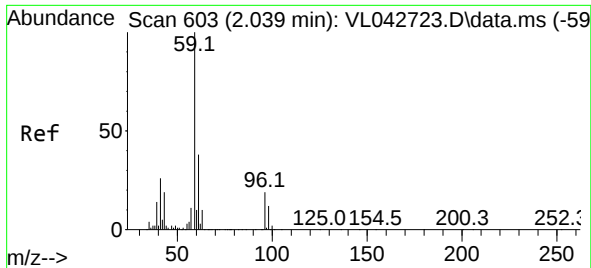


#16
1,3-Butadiene
Concen: 2.193 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



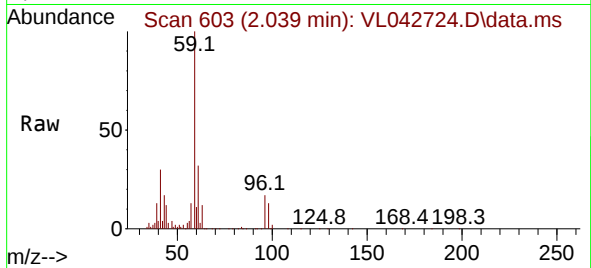
Tgt Ion: 39 Resp: 15901
Ion Ratio Lower Upper
39 100
54 59.9 54.6 82.0





#17
tert-Butyl alcohol
Concen: 2.079 ppbv
RT: 2.039 min Scan# 603
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

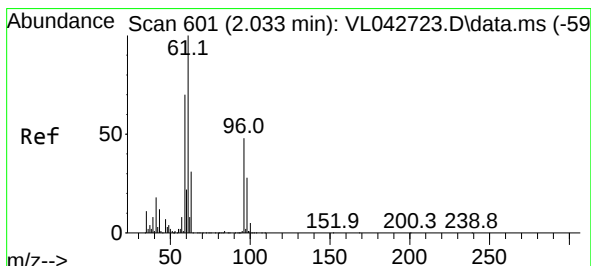
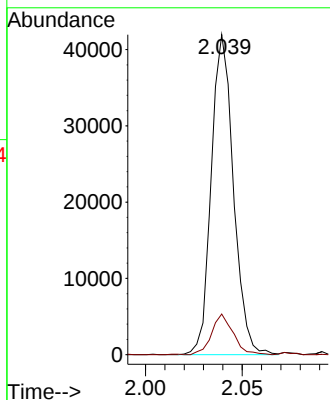
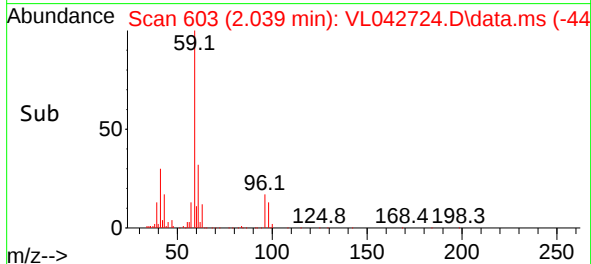
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002



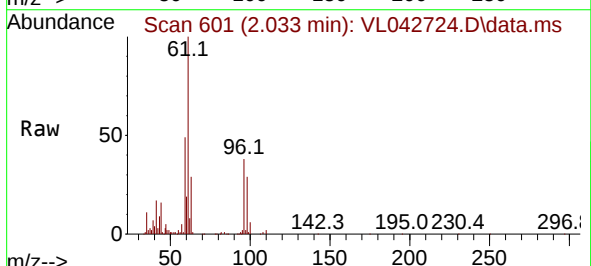
Tgt Ion: 59 Resp: 33425
Ion Ratio Lower Upper
59 100
57 12.8 9.1 13.7

Manual Integrations
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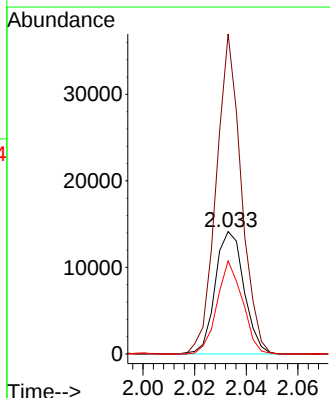
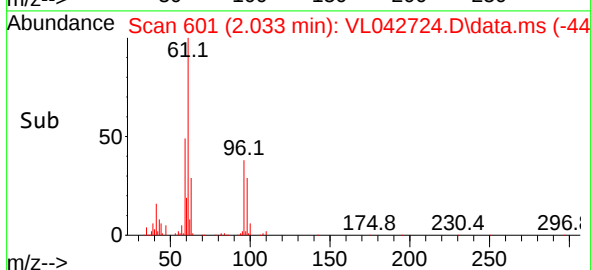
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

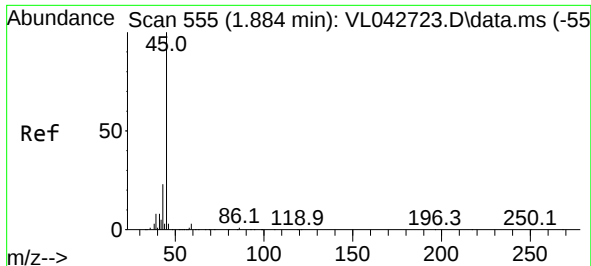


#18
1,1-Dichloroethene
Concen: 2.025 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



Tgt Ion: 96 Resp: 10946
Ion Ratio Lower Upper
96 100
61 261.4 166.2 249.4#
98 76.1 46.1 69.1#





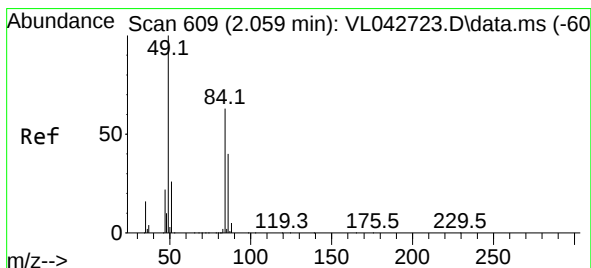
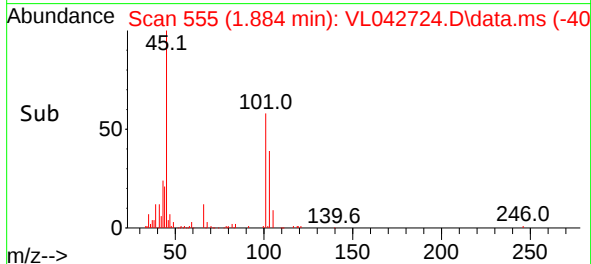
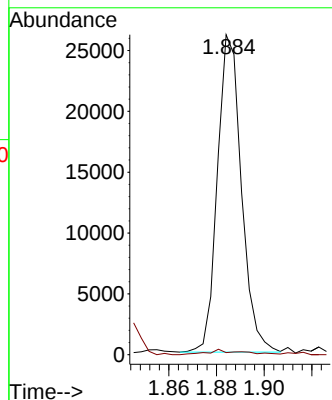
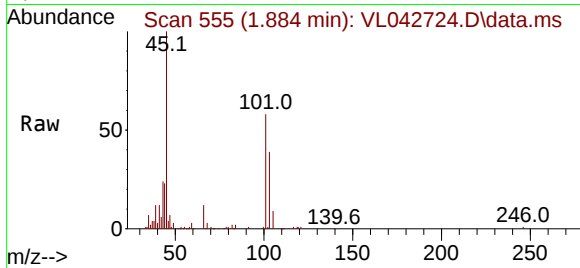
#19
Isopropyl Alcohol
Concen: 2.030 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 18210
Ion Ratio Lower Upper
45 100
58 55.0 30.6 46.0

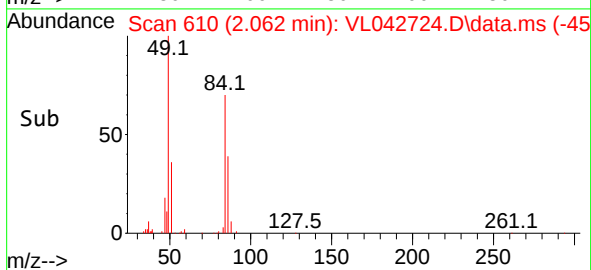
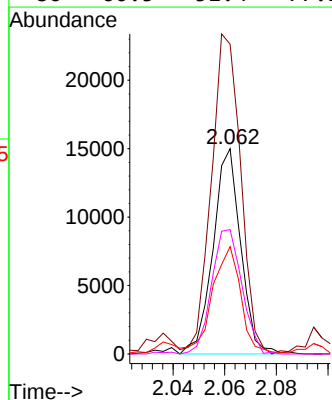
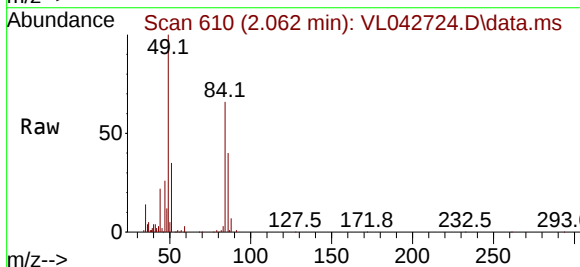
Manual Integrations
APPROVED

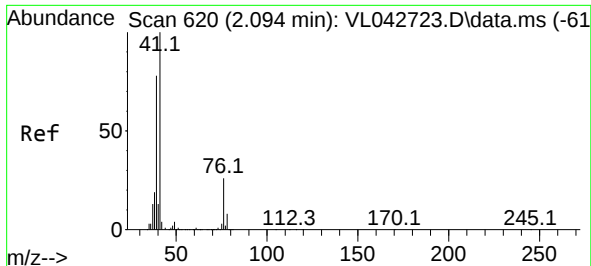
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#20
Methylene Chloride
Concen: 2.092 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 84 Resp: 11131
Ion Ratio Lower Upper
84 100
49 149.3 128.2 192.4
51 51.6 34.5 51.7
86 60.5 51.4 77.2





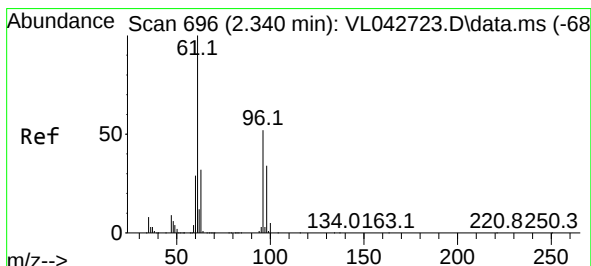
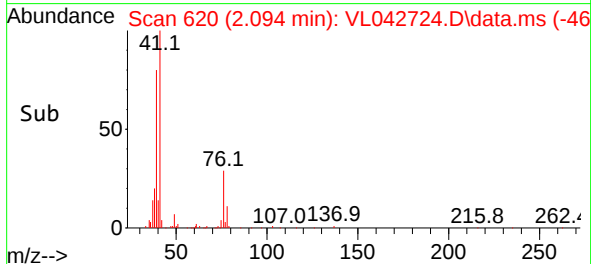
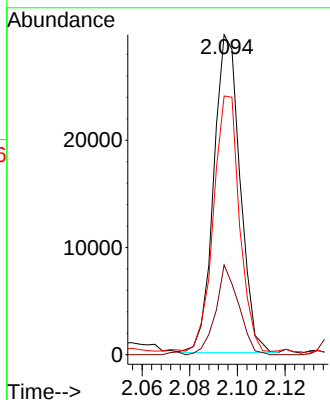
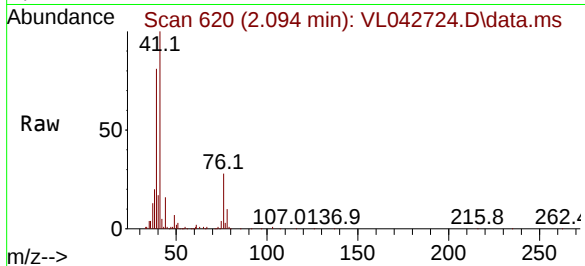
#21
 Allyl Chloride
 Concen: 2.089 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 41 Resp: 2267
 Ion Ratio Lower Upper
 41 100
 76 24.9 22.1 33.1
 39 83.3 64.7 97.1

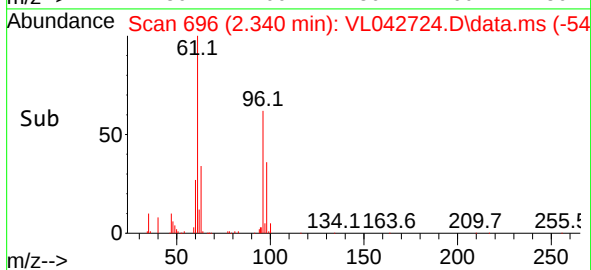
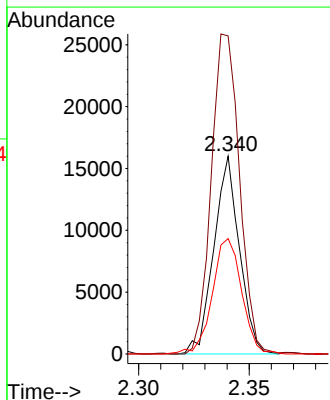
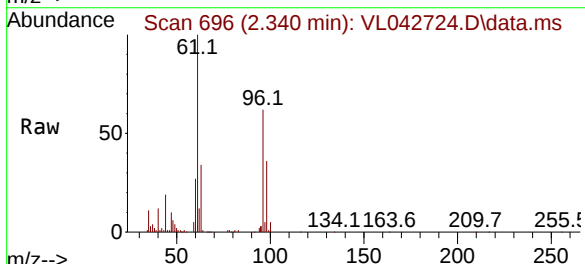
Manual Integrations
 APPROVED

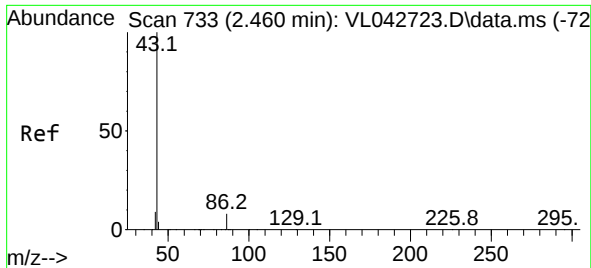
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#22
 trans-1,2-Dichloroethene
 Concen: 2.068 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 96 Resp: 12861
 Ion Ratio Lower Upper
 96 100
 61 160.8 154.6 232.0
 98 57.8 53.1 79.7





#23
 Vinyl Acetate
 Concen: 2.023 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

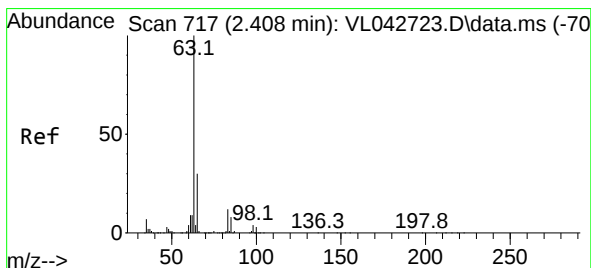
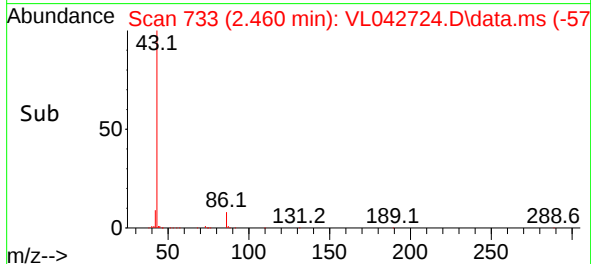
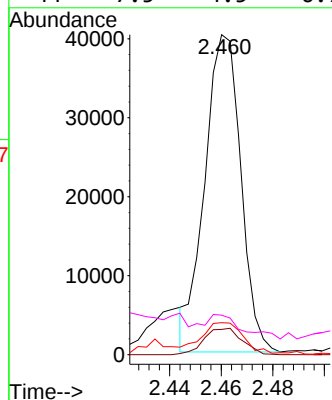
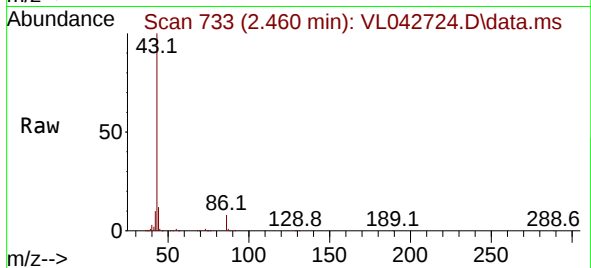
VSTDIC002

Tgt Ion: 43 Resp: 39040
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.7 8.5
 42 8.6 7.9 11.9
 44 7.5 4.5 6.7#

Manual Integrations

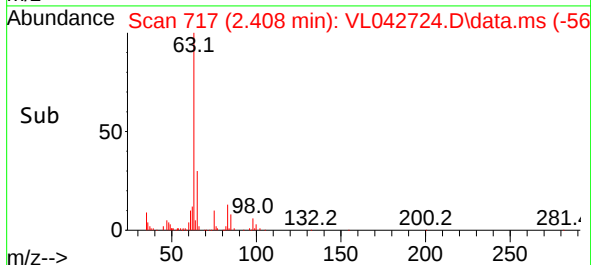
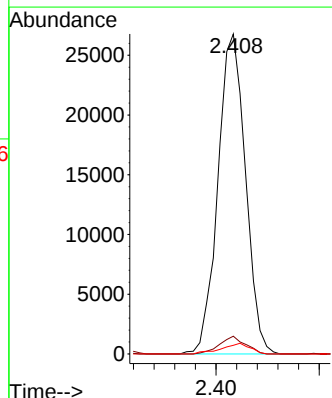
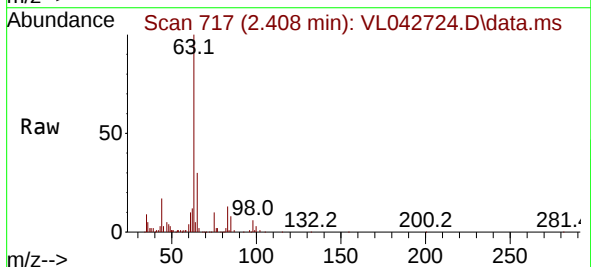
APPROVED

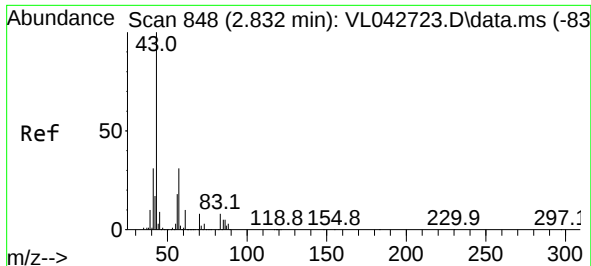
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#24
 1,1-Dichloroethane
 Concen: 2.001 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 63 Resp: 24816
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.0 5.8
 100 2.7 1.6 4.7





#25

Ethyl Acetate

Concen: 2.158 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 6742

Ion Ratio Lower Upper

43 100

45 10.4 7.8 11.6

61 9.9 7.0 10.6

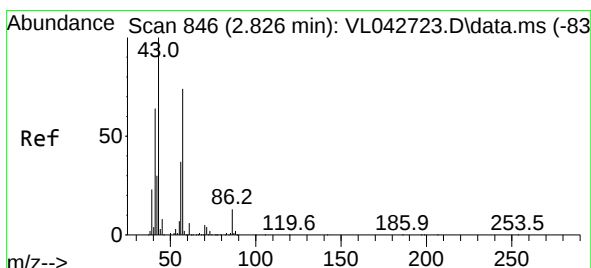
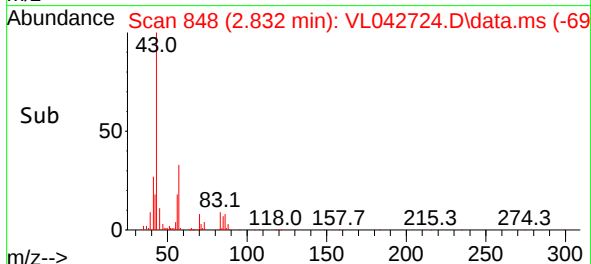
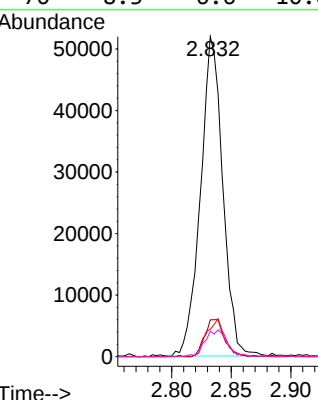
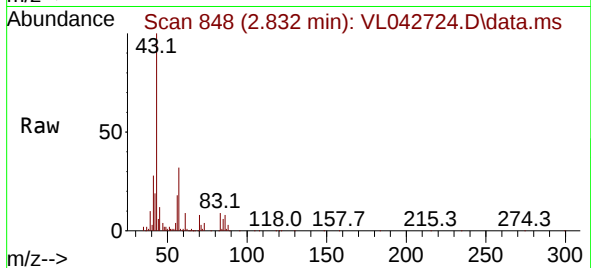
70 8.3 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#26

Hexane

Concen: 2.212 ppbv

RT: 2.826 min Scan# 846

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion: 57 Resp: 30312

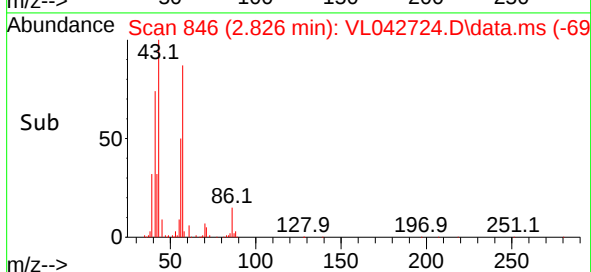
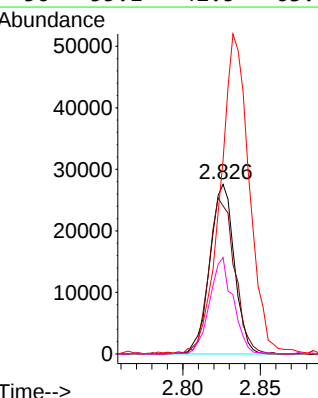
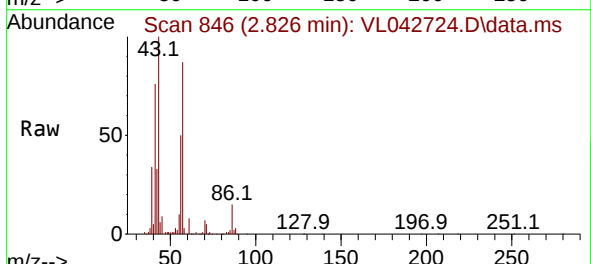
Ion Ratio Lower Upper

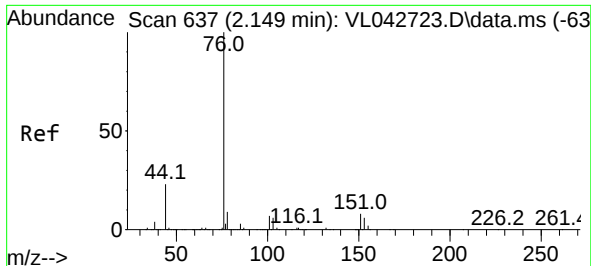
57 100

41 98.0 77.3 115.9

43 227.3 182.3 273.5

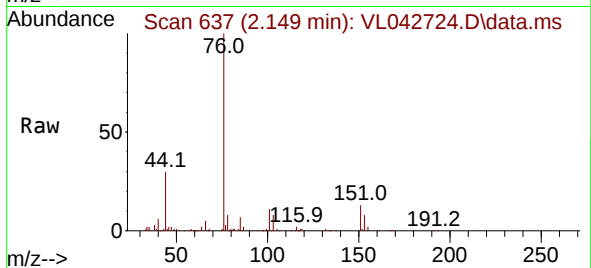
56 55.1 42.5 63.7





#27
Carbon Disulfide
Concen: 2.099 ppbv
RT: 2.149 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

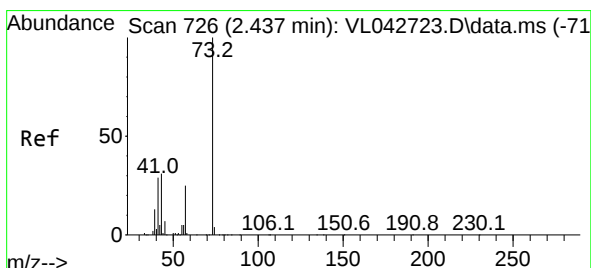
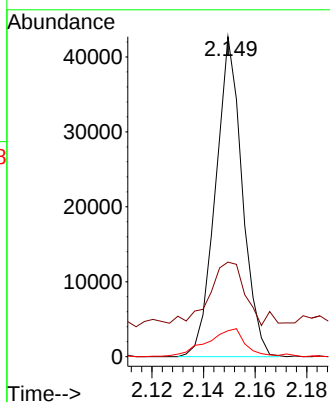
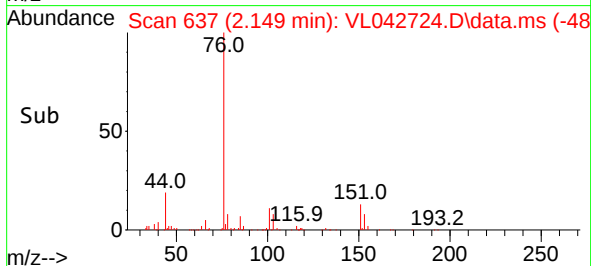
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



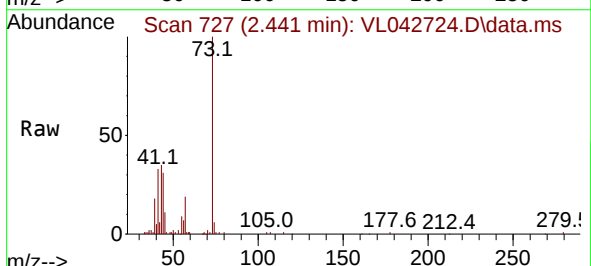
Tgt Ion: 76 Resp: 30719
Ion Ratio Lower Upper
76 100
44 30.9 18.8 28.2
78 13.1 9.5 14.3

Manual Integrations
APPROVED

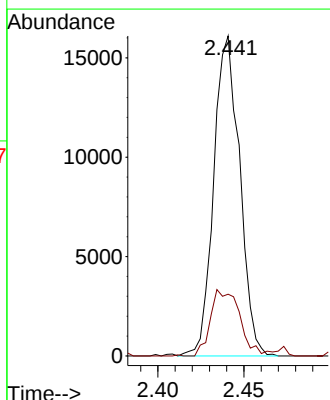
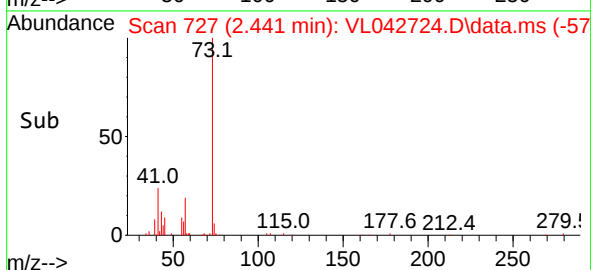
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

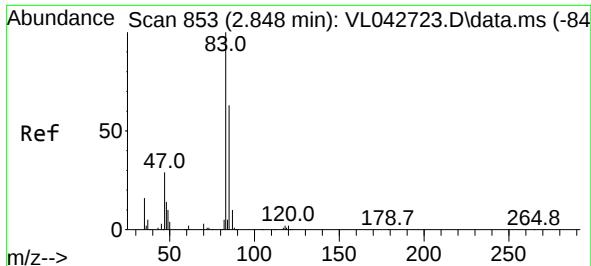


#28
Methyl tert-Butyl Ether
Concen: 2.122 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



Tgt Ion: 73 Resp: 16908
Ion Ratio Lower Upper
73 100
57 24.5 19.8 29.8





#29

Chloroform

Concen: 2.109 ppbv

RT: 2.845 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 47714

Ion Ratio Lower Upper

83 100

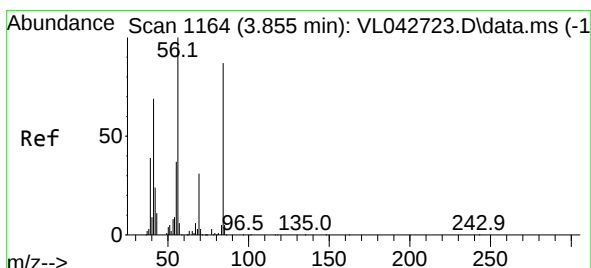
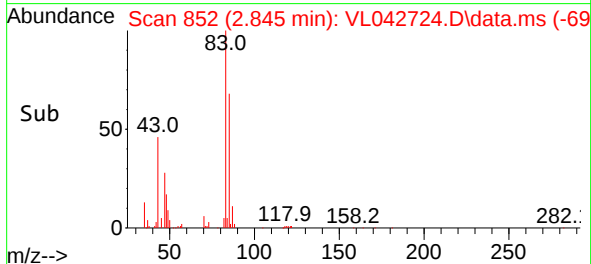
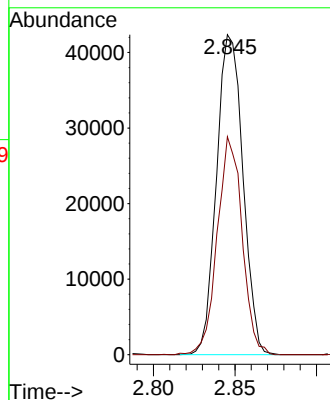
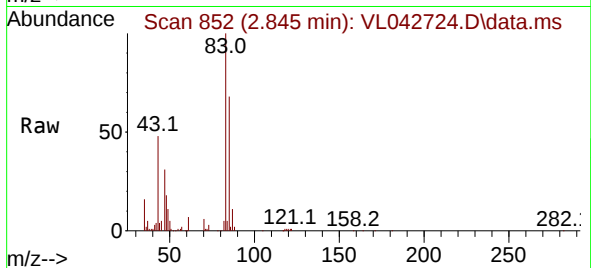
85 68.1 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#30

Cyclohexane

Concen: 2.076 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

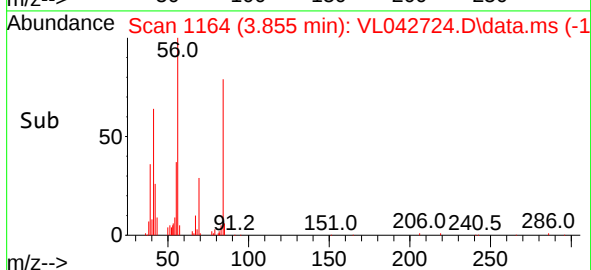
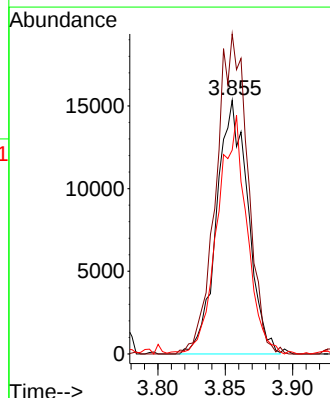
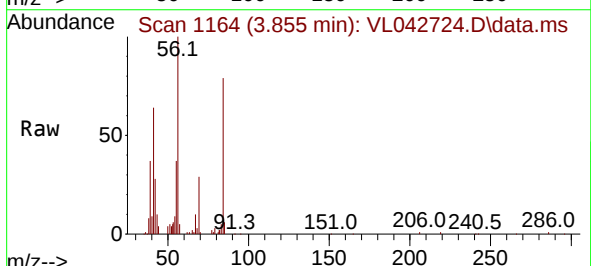
Tgt Ion: 84 Resp: 24823

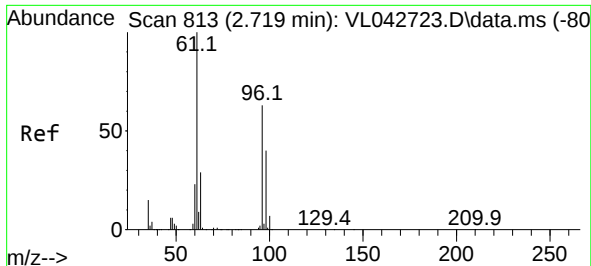
Ion Ratio Lower Upper

84 100

56 128.0 94.2 141.4

41 88.3 66.4 99.6





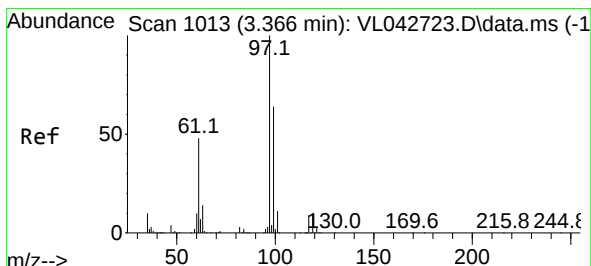
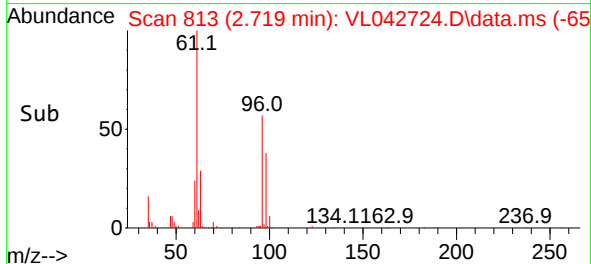
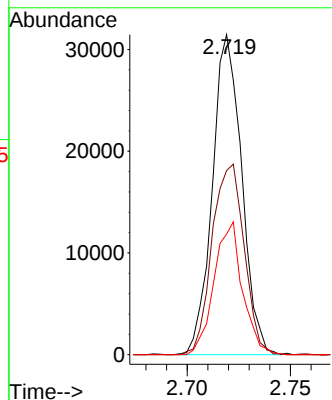
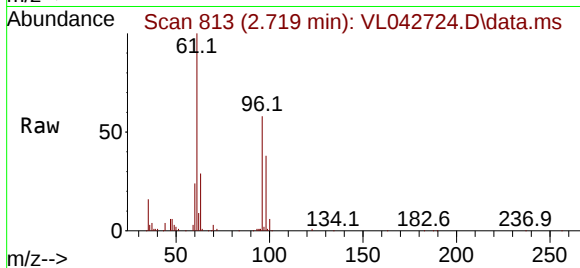
#31
 cis-1,2-Dichloroethene
 Concen: 2.104 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Tgt Ion: 61 Resp: 3104
 Ion Ratio Lower Upper
 61 100
 96 57.5 50.6 75.8
 98 37.7 32.2 48.2

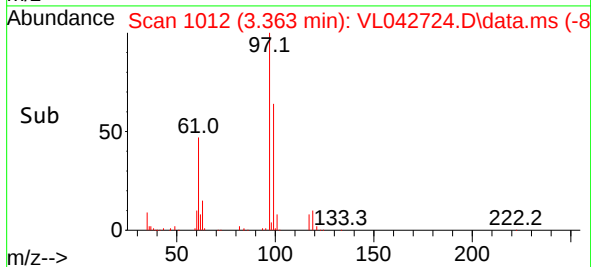
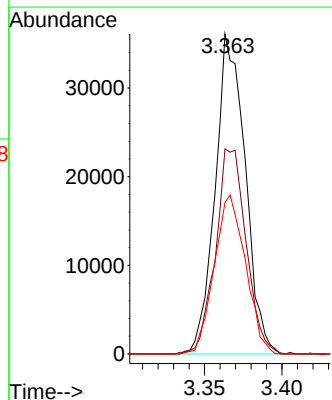
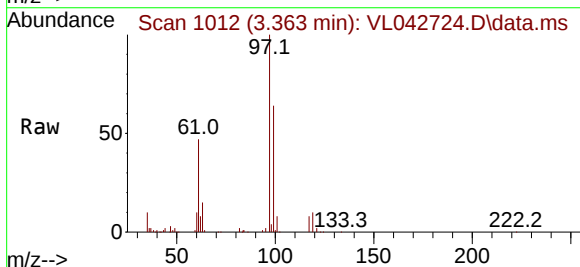
Manual Integrations
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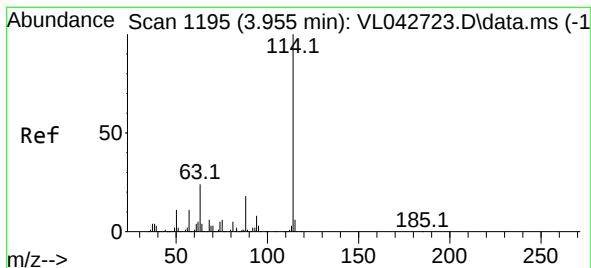
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#32
 1,1,1-Trichloroethane
 Concen: 2.037 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 97 Resp: 48546
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.4 77.0
 61 51.8 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

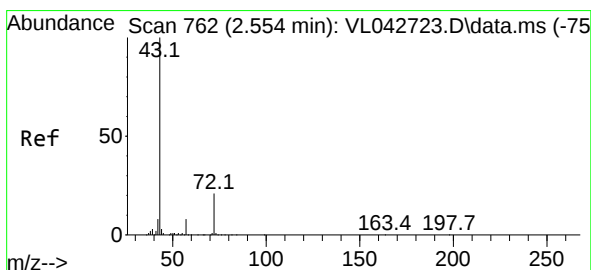
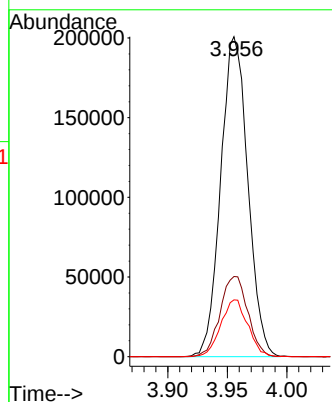
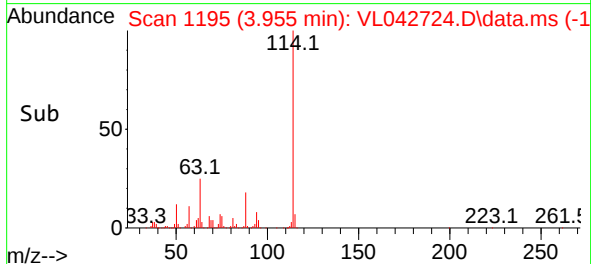
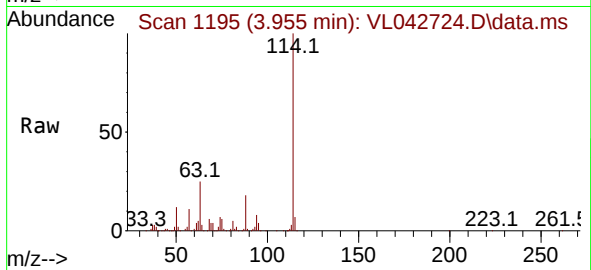
Tgt Ion:114 Resp: 317924

Ion	Ratio	Lower	Upper
114	100		
63	25.7	20.4	30.6
88	17.7	14.5	21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#34

2-Butanone

Concen: 2.092 ppbv

RT: 2.557 min Scan# 763

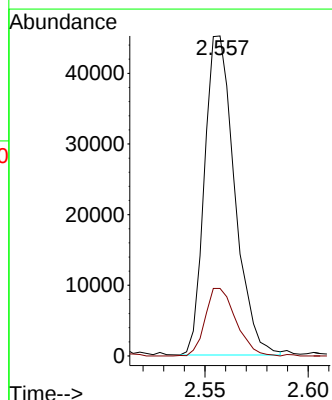
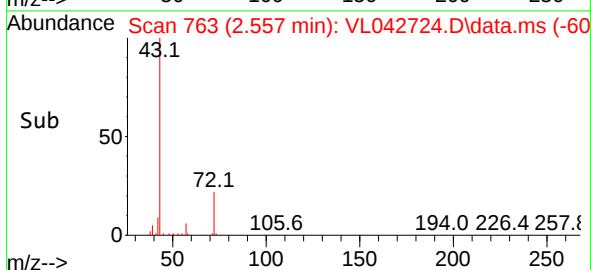
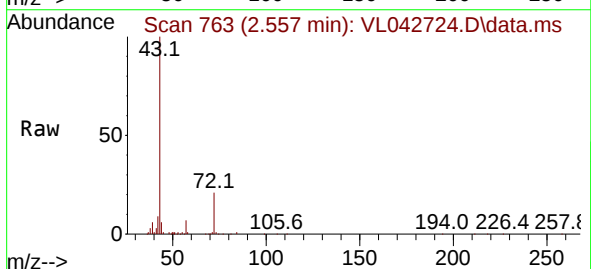
Delta R.T. 0.003 min

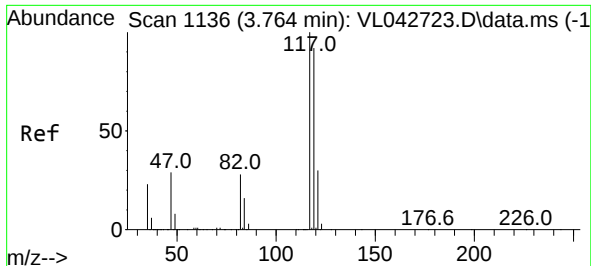
Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion: 43 Resp: 45795

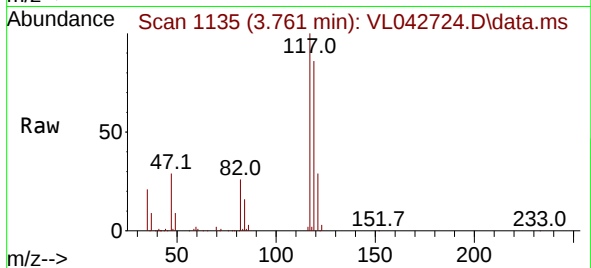
Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.0	25.6





#35
Carbon Tetrachloride
Concen: 1.939 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

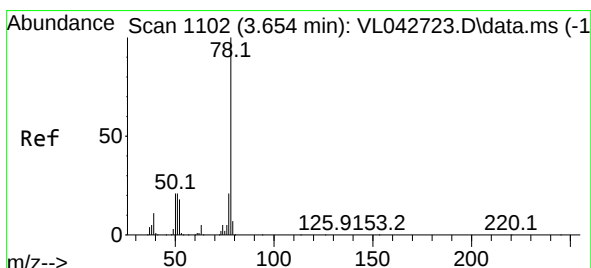
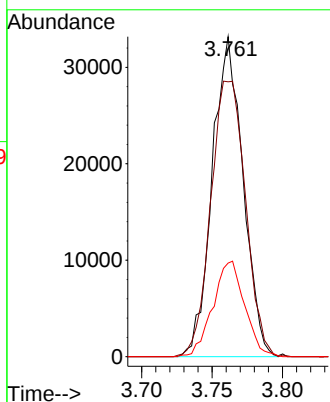
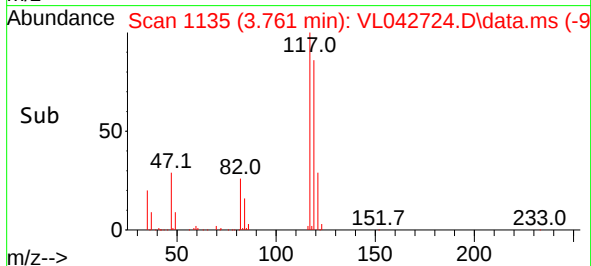
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



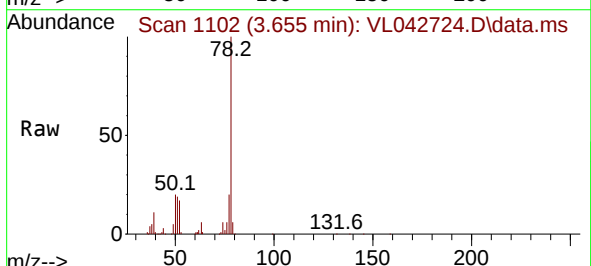
Tgt Ion: 117 Resp: 5050
Ion Ratio Lower Upper
117 100
119 85.9 73.7 110.5
121 29.1 23.8 35.8

Manual Integrations
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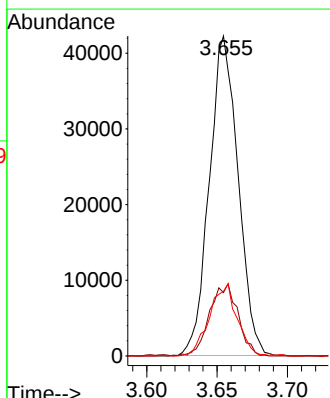
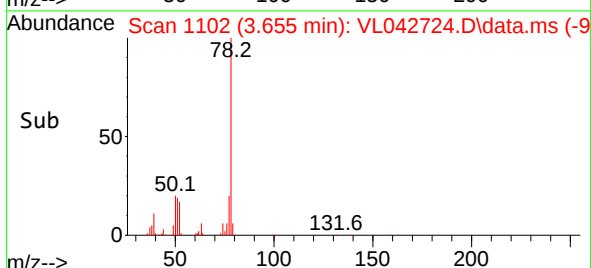
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

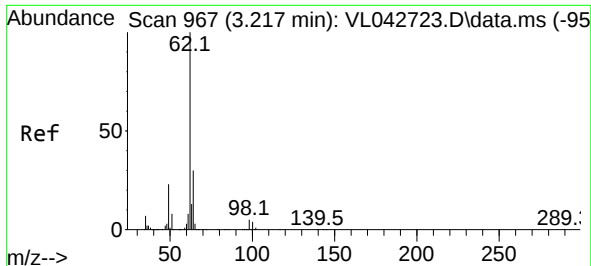


#36
Benzene
Concen: 2.032 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



Tgt Ion: 78 Resp: 60020
Ion Ratio Lower Upper
78 100
77 19.8 17.0 25.4
50 20.2 16.9 25.3





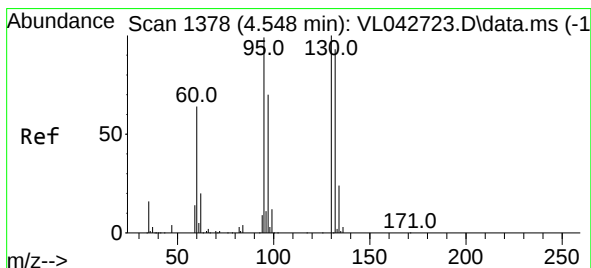
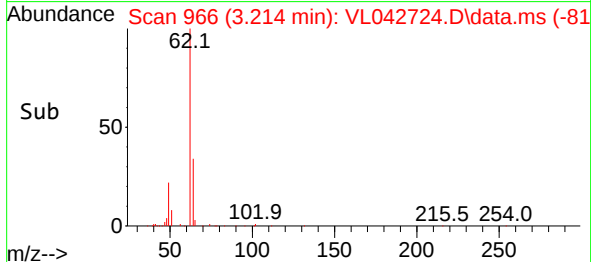
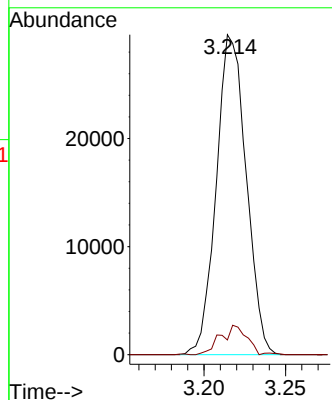
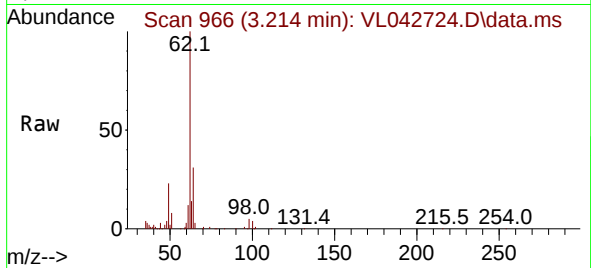
#37
1,2-Dichloroethane
Concen: 2.005 ppbv
RT: 3.214 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 62 Resp: 3776
Ion Ratio Lower Upper
62 100
98 8.3 4.8 7.2

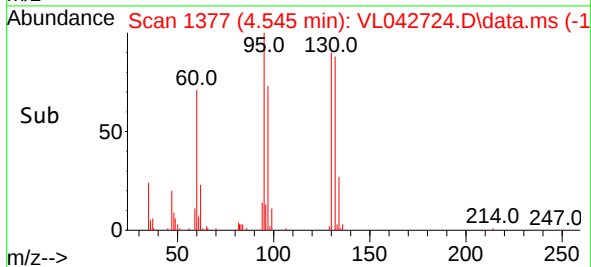
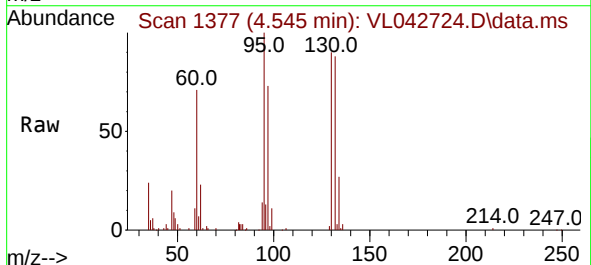
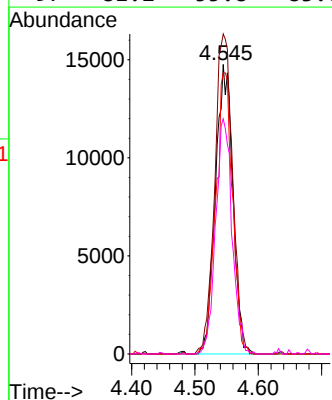
Manual Integrations
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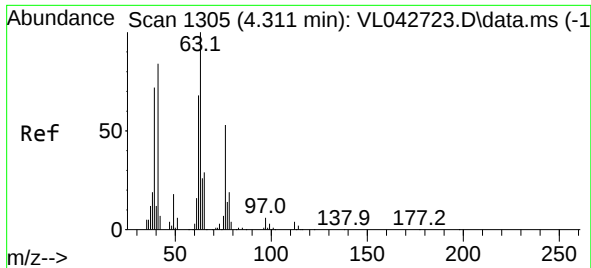
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#38
Trichloroethene
Concen: 1.959 ppbv m
RT: 4.545 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

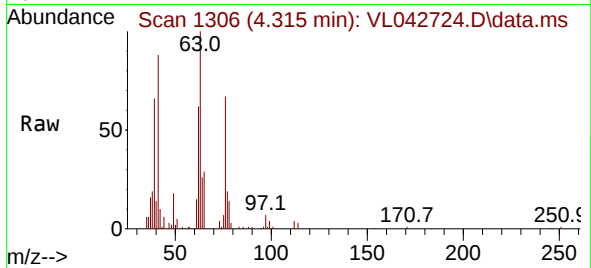
Tgt Ion:130 Resp: 28165
Ion Ratio Lower Upper
130 100
95 110.5 79.2 118.8
132 97.1 74.1 111.1
97 81.2 55.8 83.6





#39
1,2-Dichloropropane
Concen: 2.036 ppbv
RT: 4.315 min Scan# 1305
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

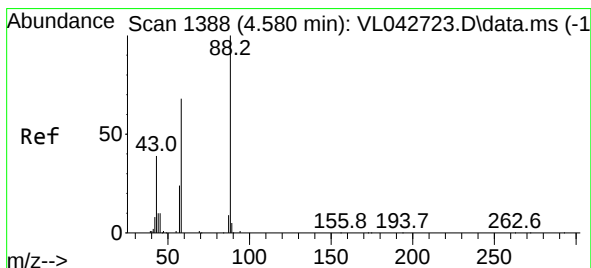
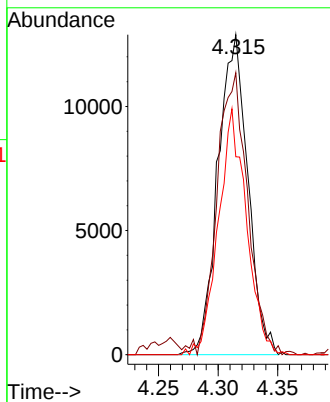
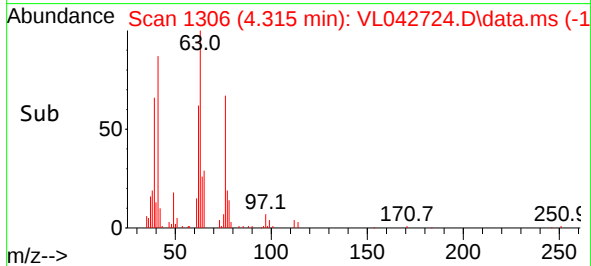
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



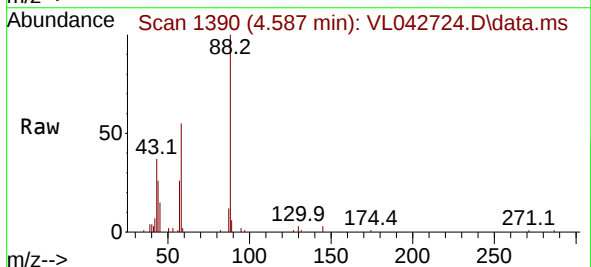
Tgt Ion: 63 Resp: 22394
Ion Ratio Lower Upper
63 100
41 85.3 67.7 101.5
62 61.9 54.1 81.1

Manual Integrations
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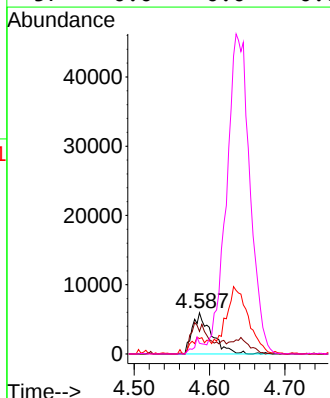
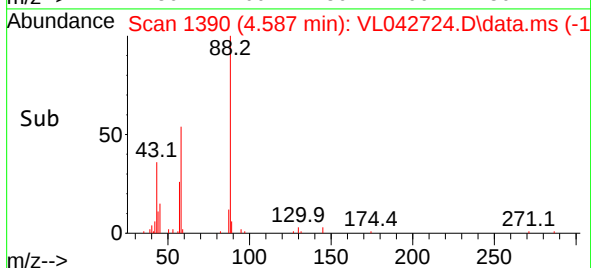
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

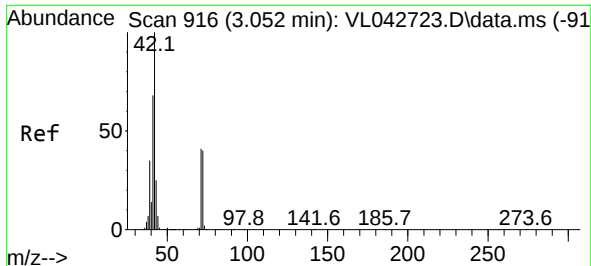


#40
1,4-Dioxane
Concen: 2.106 ppbv m
RT: 4.587 min Scan# 1390
Delta R.T. 0.007 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



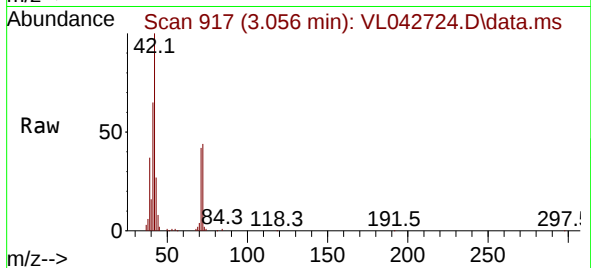
Tgt Ion: 88 Resp: 10669
Ion Ratio Lower Upper
88 100
58 81.1 59.8 89.8
43 0.0 32.6 48.8#
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 2.013 ppbv
RT: 3.056 min Scan# 916
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

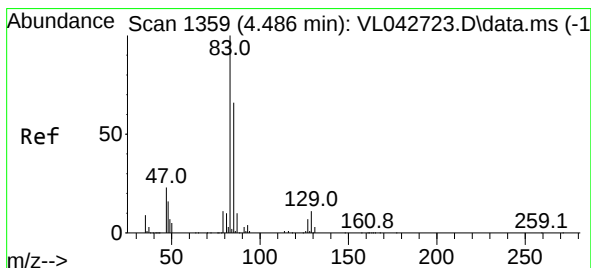
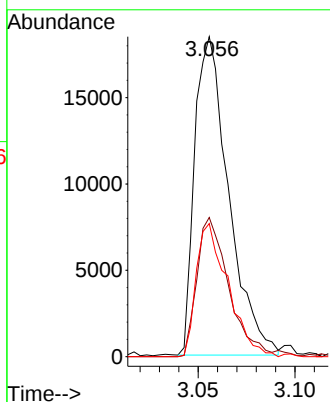
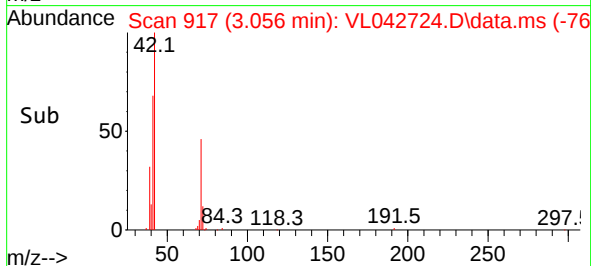
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 42 Resp: 22520
Ion Ratio Lower Upper
42 100
72 42.1 32.2 48.2
71 39.3 29.8 44.6

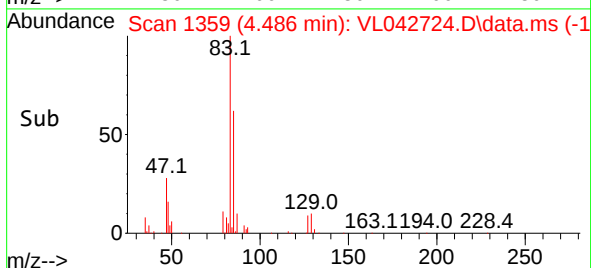
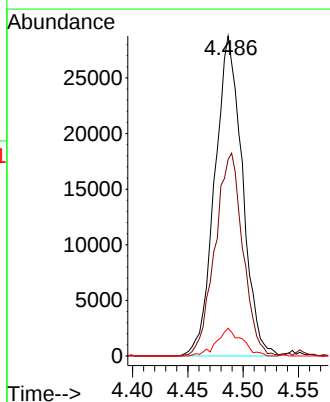
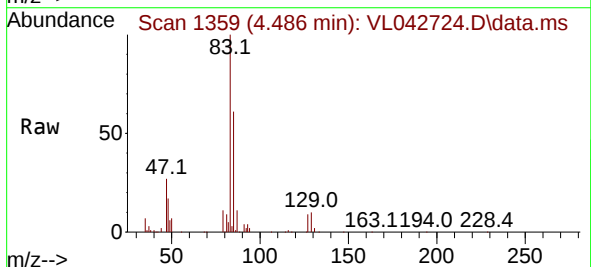
Manual Integrations
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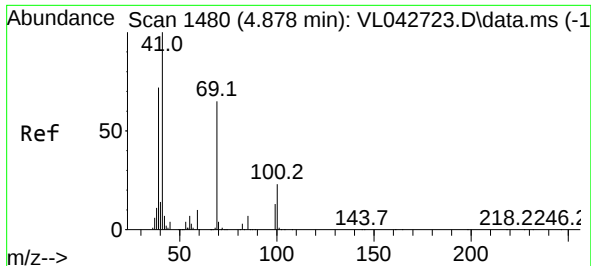
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#42
Bromodichloromethane
Concen: 2.023 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 83 Resp: 49877
Ion Ratio Lower Upper
83 100
85 61.4 52.6 78.8
127 8.7 6.0 9.0





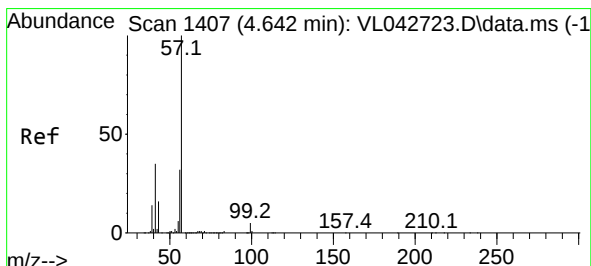
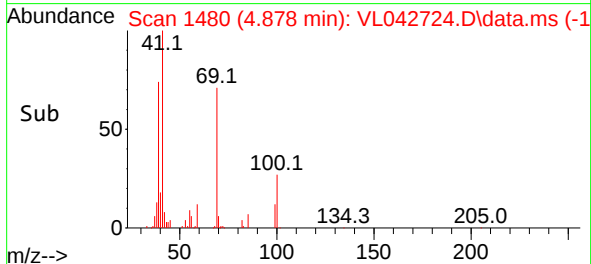
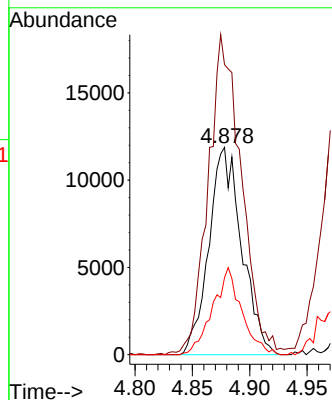
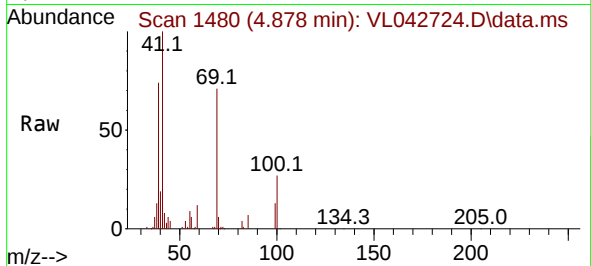
#43
Methyl Methacrylate
Concen: 2.094 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 23720
Ion Ratio Lower Upper
69 100
41 155.2 125.8 188.6
100 36.9 29.9 44.9

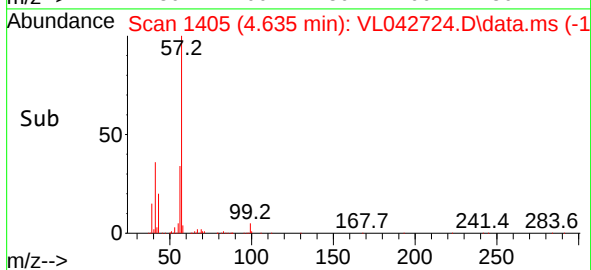
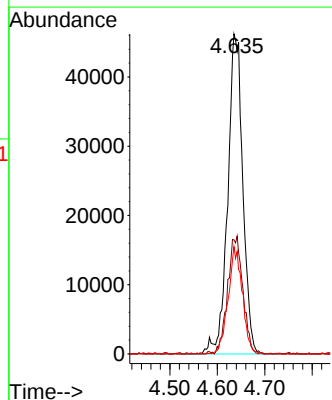
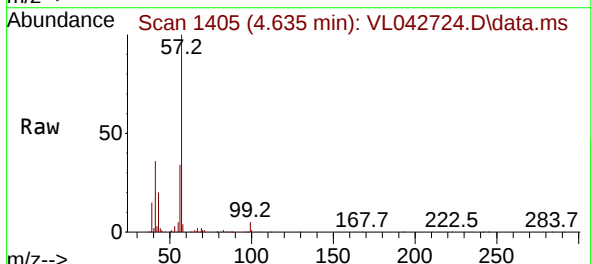
Manual Integrations
APPROVED

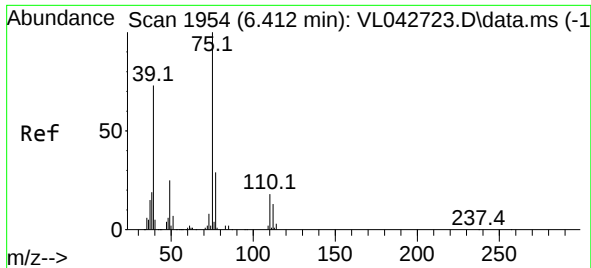
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#44
2,2,4-Trimethylpentane
Concen: 2.087 ppbv m
RT: 4.635 min Scan# 1405
Delta R.T. -0.006 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 57 Resp: 101672
Ion Ratio Lower Upper
57 100
41 37.6 29.4 44.0
56 0.0 26.1 39.1#





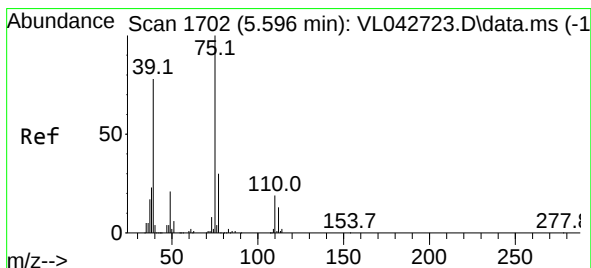
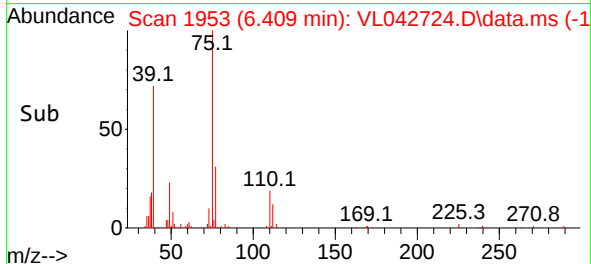
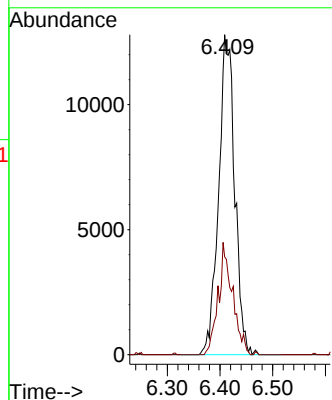
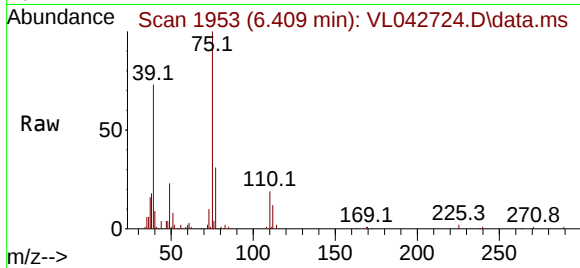
#45
t-1,3-Dichloropropene
Concen: 1.940 ppbv m
RT: 6.409 min Scan# 1954
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 75 Resp: 27030
Ion Ratio Lower Upper
75 100
77 30.6 23.0 34.6

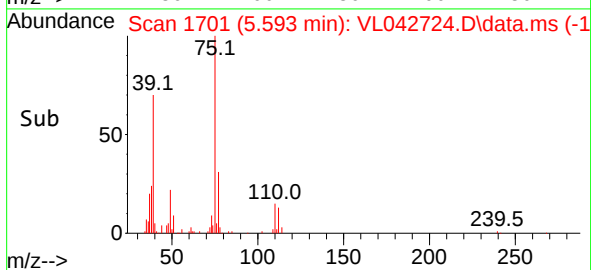
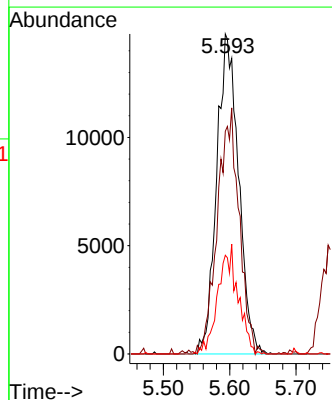
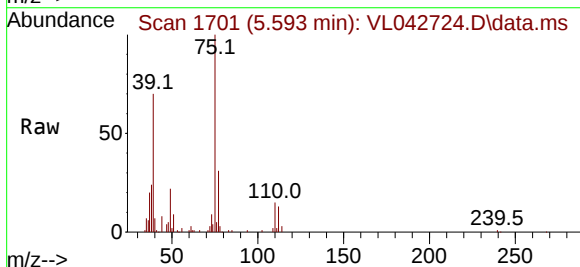
Manual Integrations
APPROVED

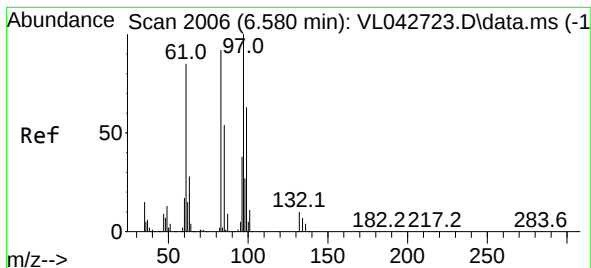
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#46
cis-1,3-Dichloropropene
Concen: 2.042 ppbv m
RT: 5.593 min Scan# 1701
Delta R.T. -0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion: 75 Resp: 33787
Ion Ratio Lower Upper
75 100
39 69.6 62.1 93.1
77 30.8 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 2.030 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

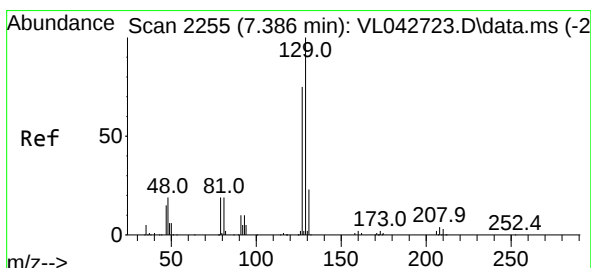
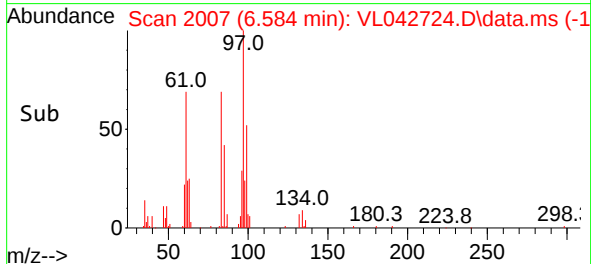
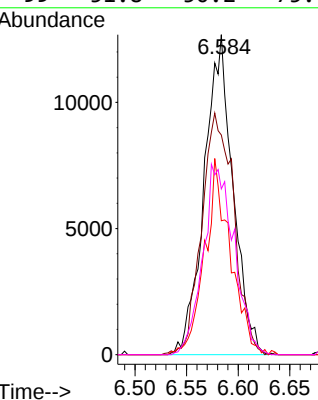
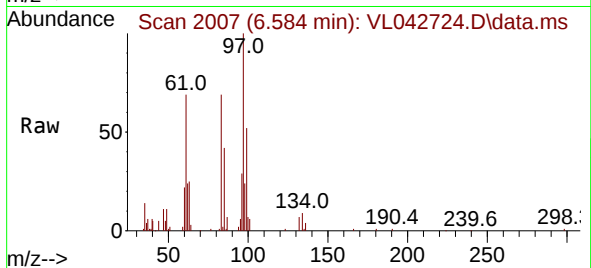
Tgt Ion: 97 Resp: 24450

Ion	Ratio	Lower	Upper
97	100		
83	68.3	73.2	109.8
85	41.8	42.7	64.1
99	51.8	50.2	75.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#48

Dibromochloromethane

Concen: 1.970 ppbv

RT: 7.383 min Scan# 2254

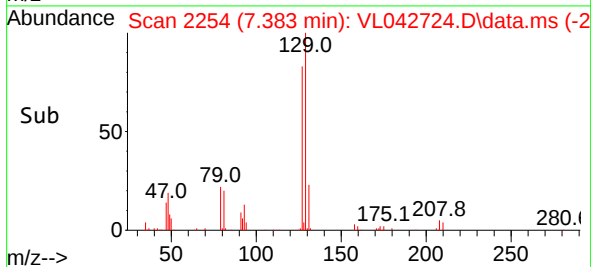
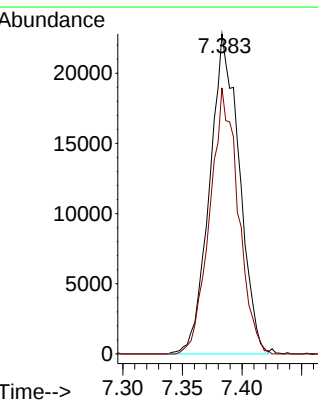
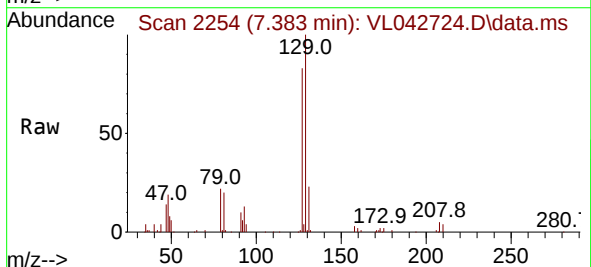
Delta R.T. -0.003 min

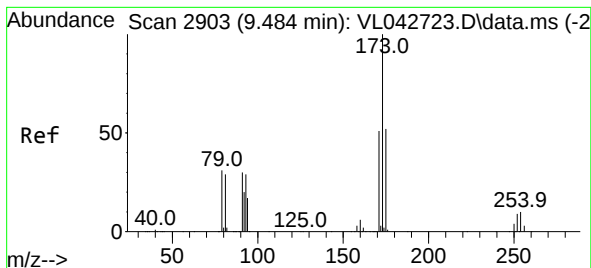
Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:129 Resp: 39455

Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.1	117.3





#49

Bromoform

Concen: 2.041 ppbv

RT: 9.484 min Scan# 2903

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

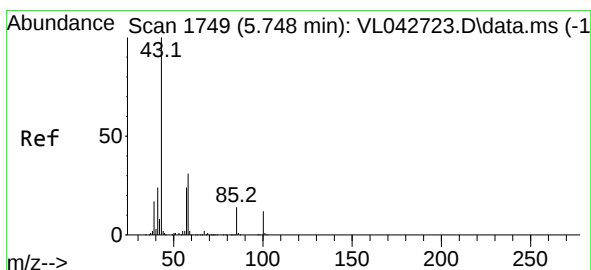
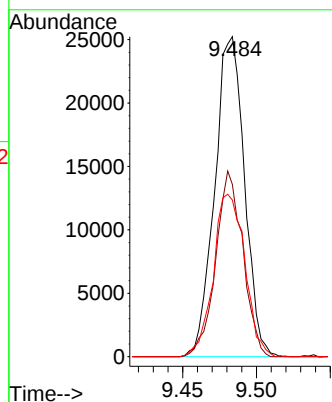
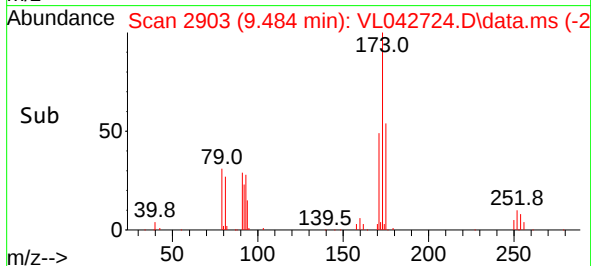
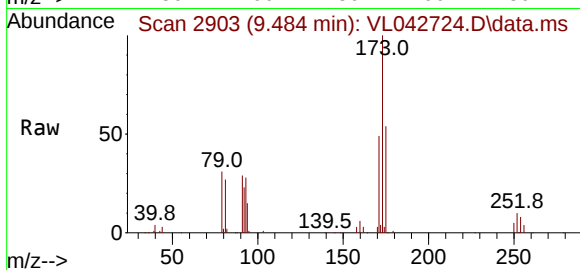
VSTDICC002

Tgt Ion:	173	Resp:	3545
Ion Ratio	Lower	Upper	
173	100		
175	52.8	38.9	58.3
171	53.7	41.1	61.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#50

4-Methyl-2-Pentanone

Concen: 2.056 ppbv

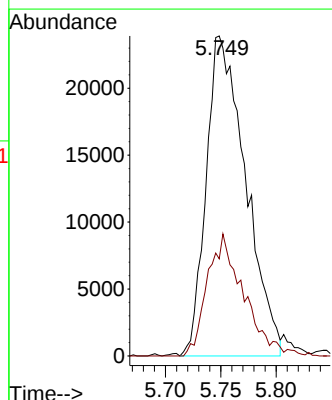
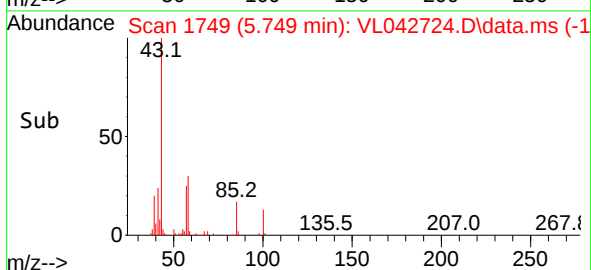
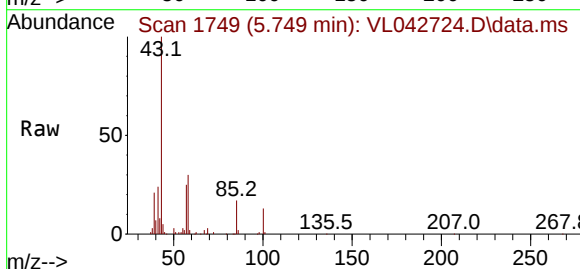
RT: 5.749 min Scan# 1749

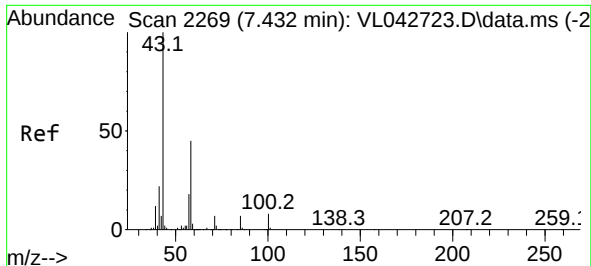
Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

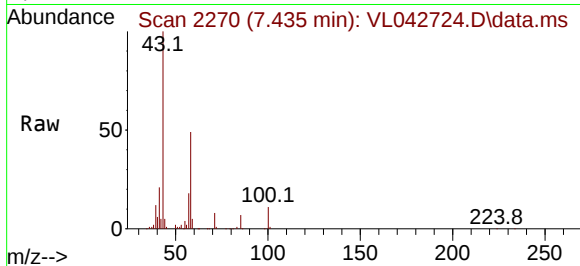
Tgt Ion:	43	Resp:	59229
Ion Ratio	Lower	Upper	
43	100		
58	35.3	27.6	41.4





#51
2-Hexanone
Concen: 2.039 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

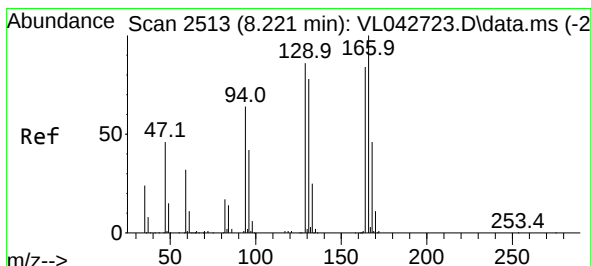
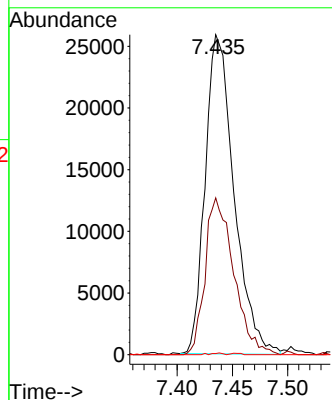
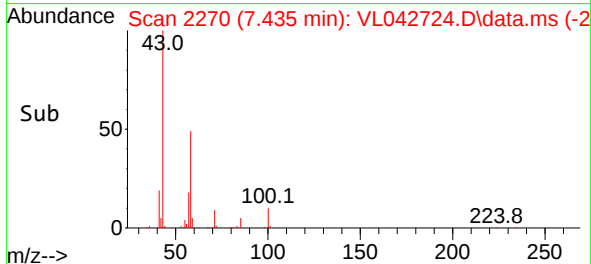
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 43 Resp: 4698
Ion Ratio Lower Upper
43 100
58 48.9 37.9 56.9
98 0.4 0.2 0.2

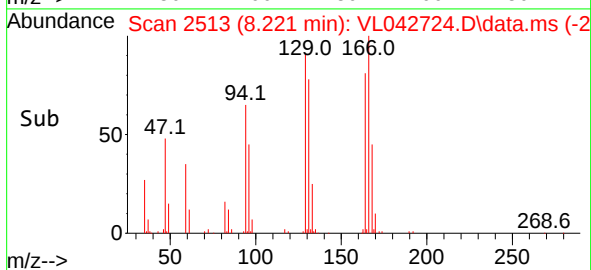
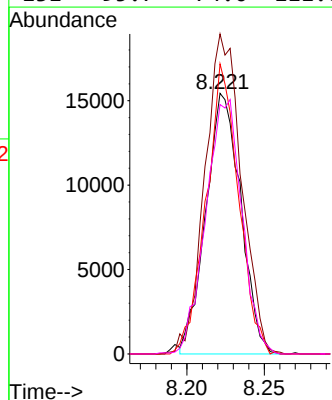
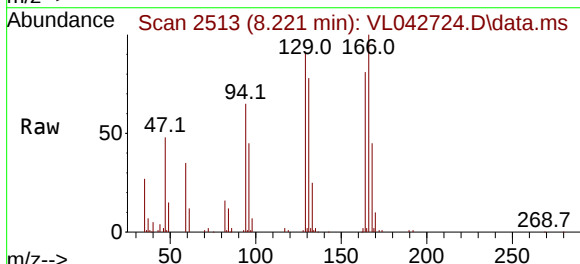
Manual Integrations
APPROVED

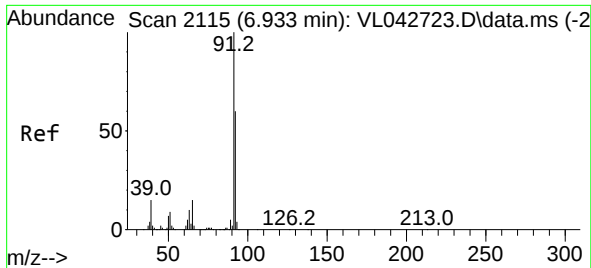
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#52
Tetrachloroethene
Concen: 2.027 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

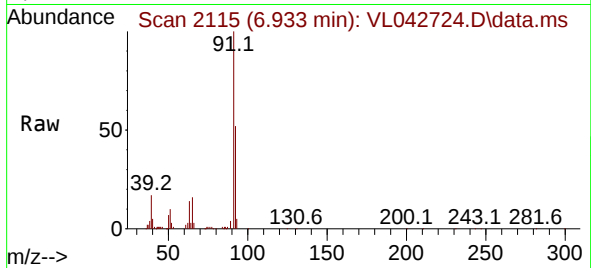
Tgt Ion:164 Resp: 24130
Ion Ratio Lower Upper
164 100
166 122.2 95.1 142.7
129 111.3 81.9 122.9
131 95.7 74.0 111.0





#53
Toluene
Concen: 2.081 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

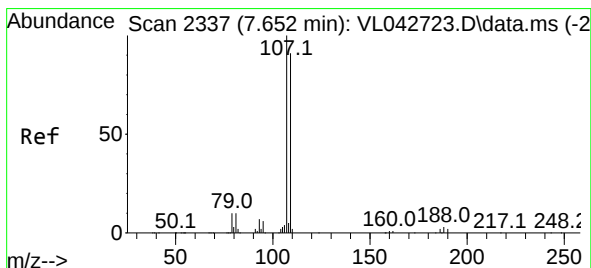
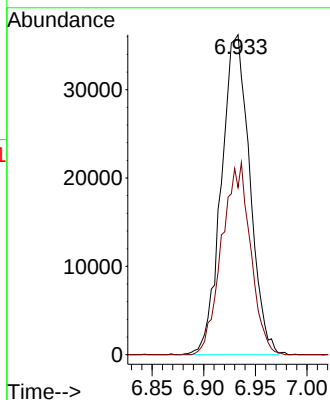
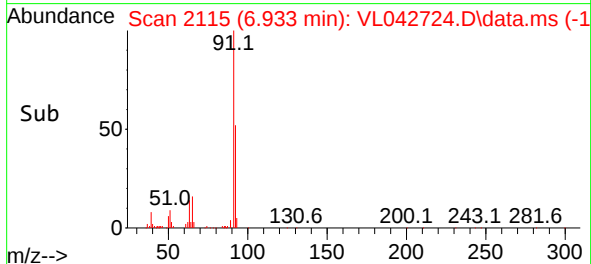
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



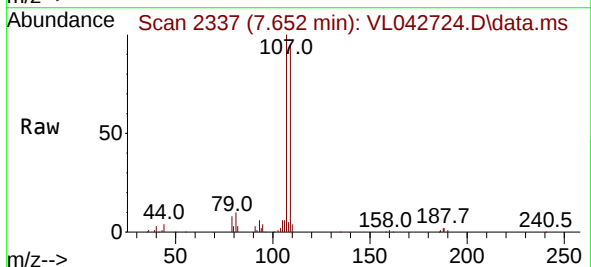
Tgt Ion: 91 Resp: 6931
Ion Ratio Lower Upper
91 100
92 60.6 48.2 72.4

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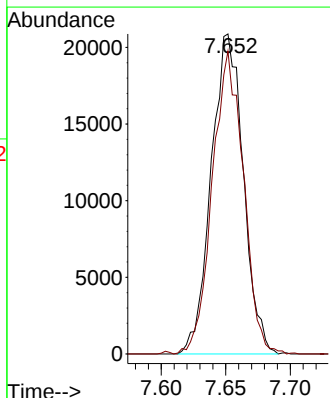
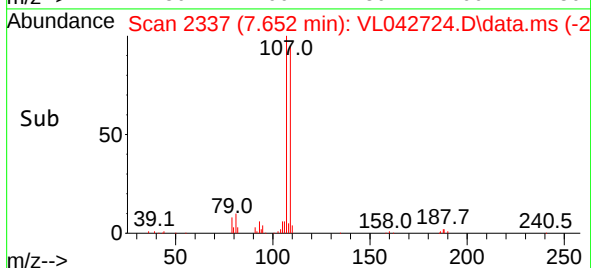
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

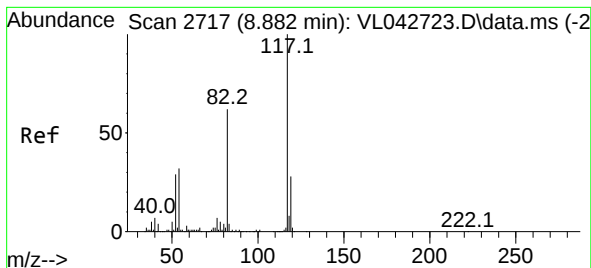


#54
1,2-Dibromoethane
Concen: 2.007 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



Tgt Ion:107 Resp: 36140
Ion Ratio Lower Upper
107 100
109 94.4 72.5 108.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

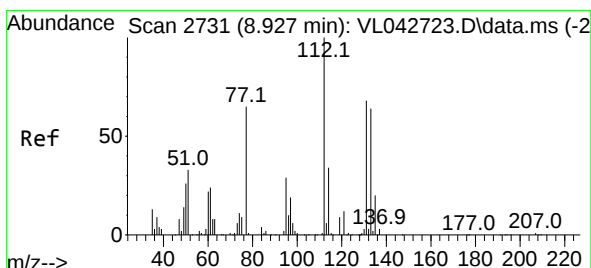
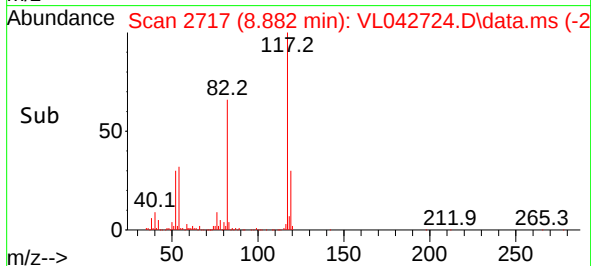
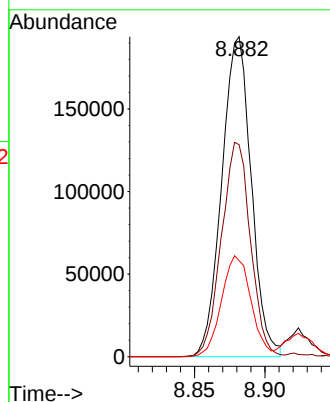
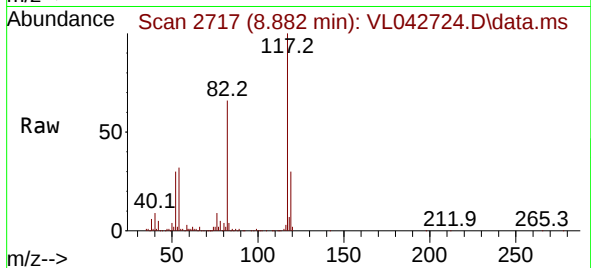
Tgt Ion:117 Resp: 28283

Ion	Ratio	Lower	Upper
117	100		
82	66.7	54.6	81.8
119	31.7	25.3	37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 2.047 ppbv

RT: 8.927 min Scan# 2731

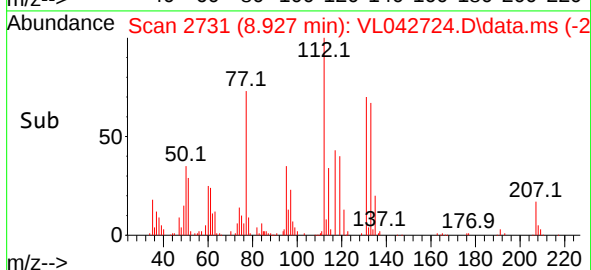
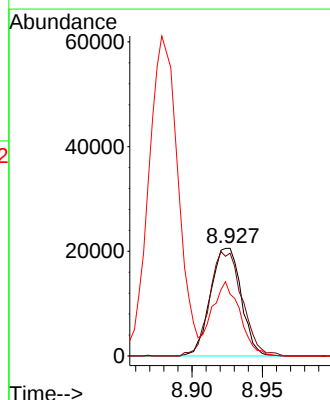
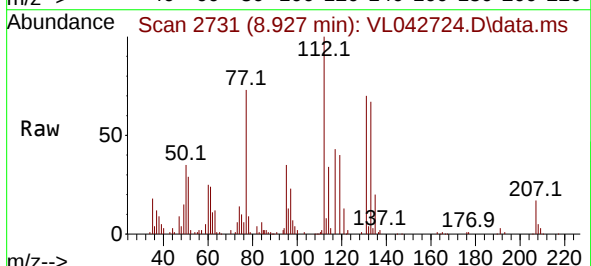
Delta R.T. 0.000 min

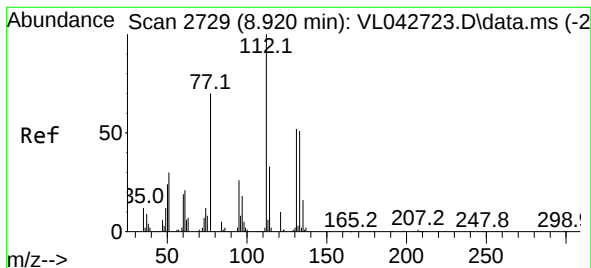
Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:131 Resp: 31192

Ion	Ratio	Lower	Upper
131	100		
133	102.4	77.4	116.0
119	63.9	48.6	73.0





#57

Chlorobenzene

Concen: 2.141 ppbv

RT: 8.921 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

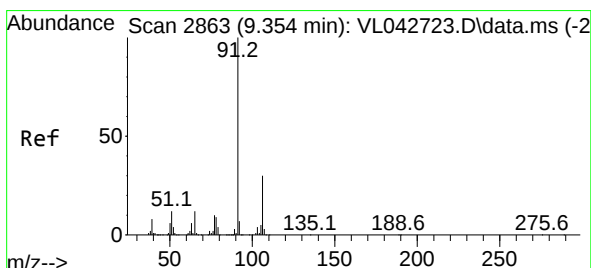
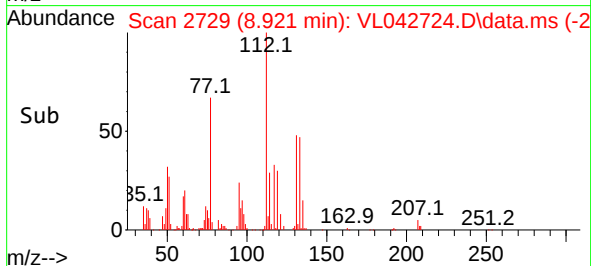
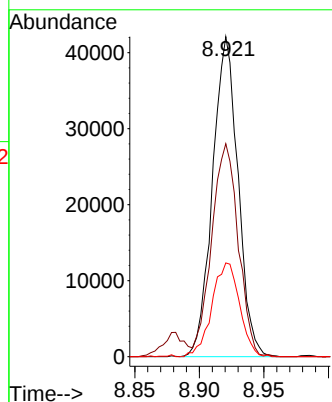
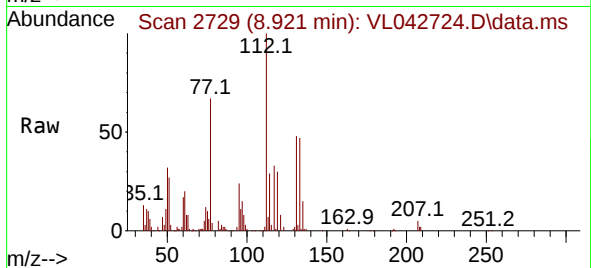
VSTDICC002

Tgt Ion:	112	Resp:	5771
Ion Ratio	Lower	Upper	
112	100		
77	66.5	57.2	85.8
114	29.3	29.8	36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#58

Ethyl Benzene

Concen: 2.120 ppbv

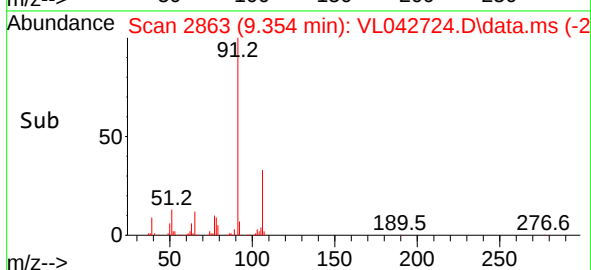
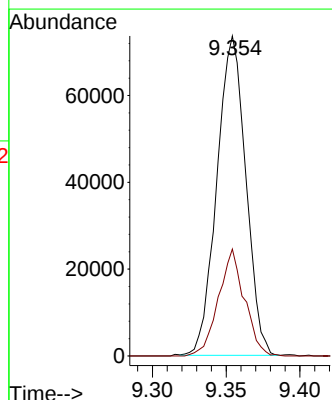
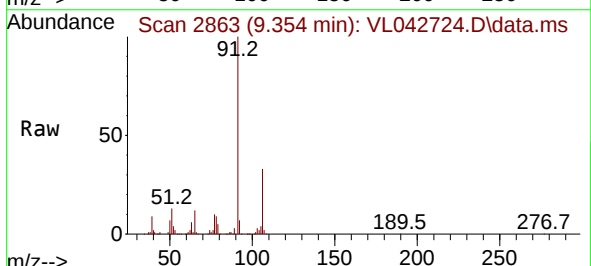
RT: 9.354 min Scan# 2863

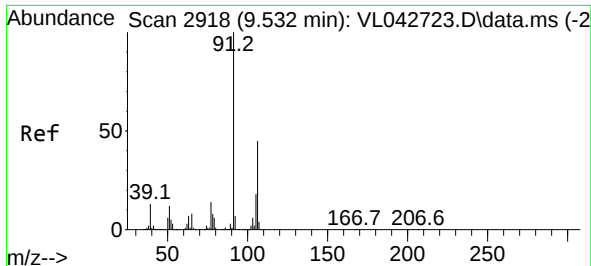
Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:	91	Resp:	100177
Ion Ratio	Lower	Upper	
91	100		
106	33.5	23.7	35.5





#59

m/p-Xylene

Concen: 4.255 ppbv m

RT: 9.548 min Scan# 2918

Delta R.T. 0.016 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 91 Resp: 16111

Ion Ratio Lower Upper

91 100

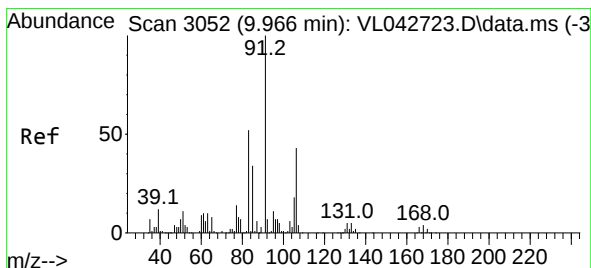
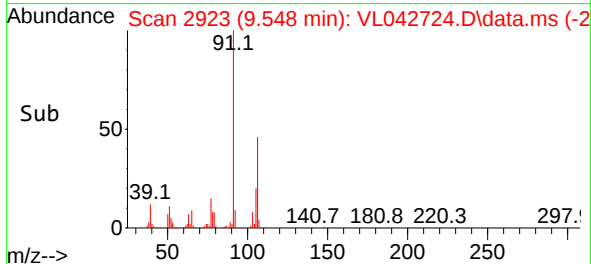
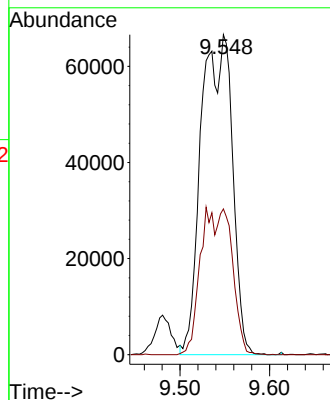
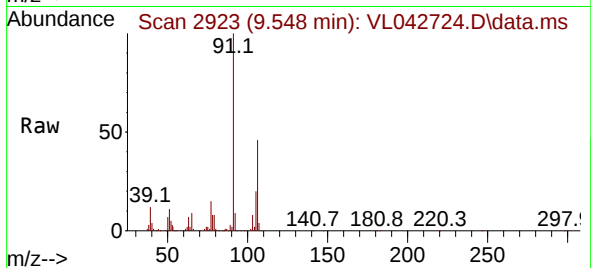
106 46.1 37.3 55.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#60

o-Xylene

Concen: 2.111 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL042724.D

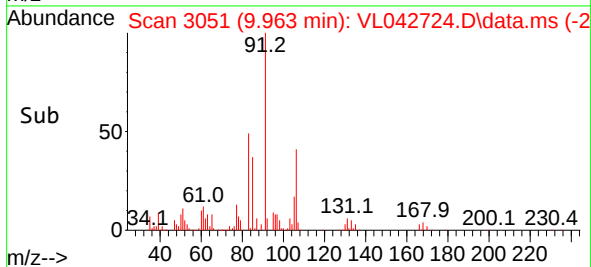
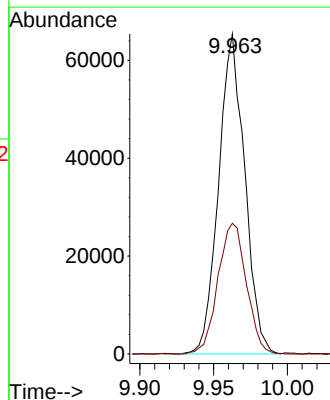
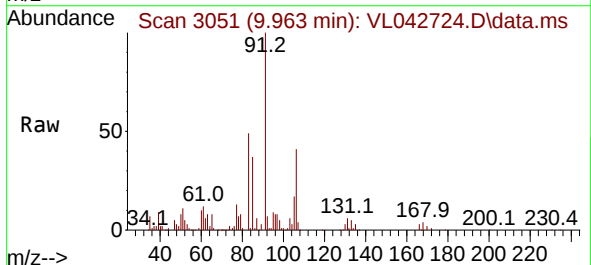
Acq: 22 Jul 2025 09:30

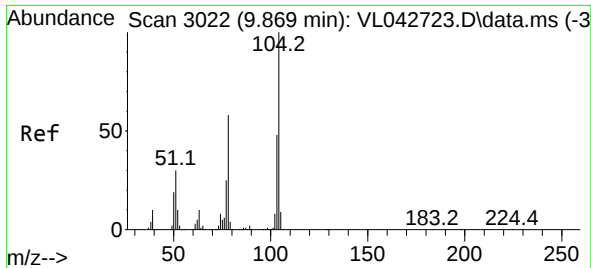
Tgt Ion: 91 Resp: 80565

Ion Ratio Lower Upper

91 100

106 44.5 21.4 64.3





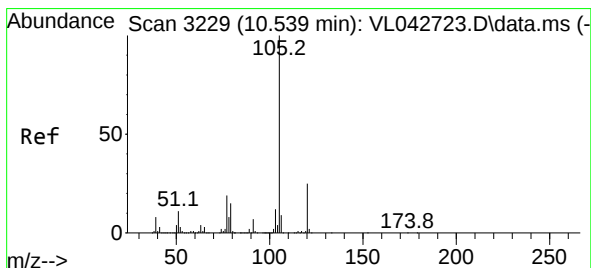
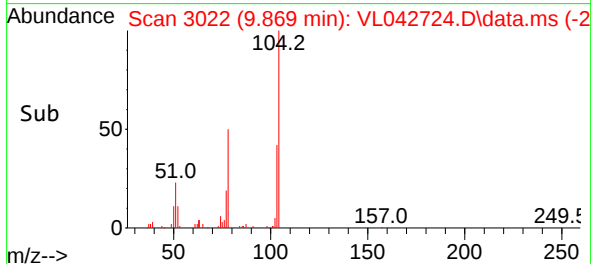
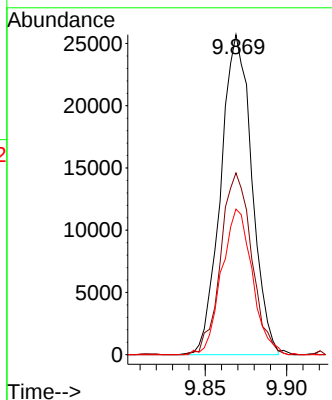
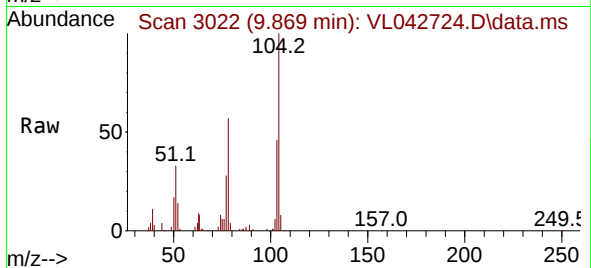
#61
Styrene
Concen: 2.072 ppbv
RT: 9.869 min Scan# 3022
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 34062
Ion Ratio Lower Upper
104 100
78 56.5 43.4 65.2
103 44.9 37.8 56.6

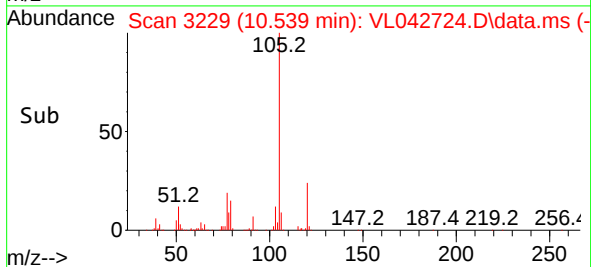
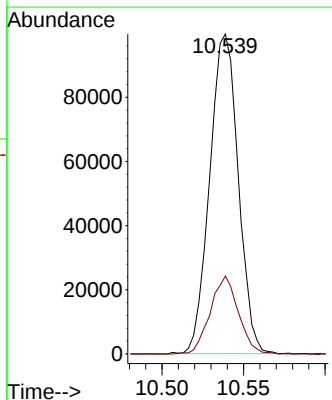
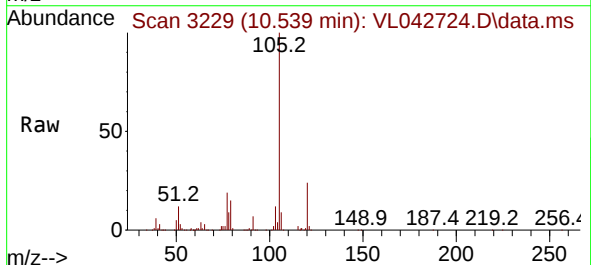
Manual Integrations
APPROVED

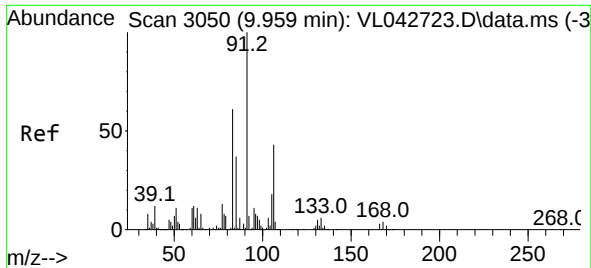
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#62
Isopropylbenzene
Concen: 2.138 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:105 Resp: 121281
Ion Ratio Lower Upper
105 100
120 24.0 20.2 30.2





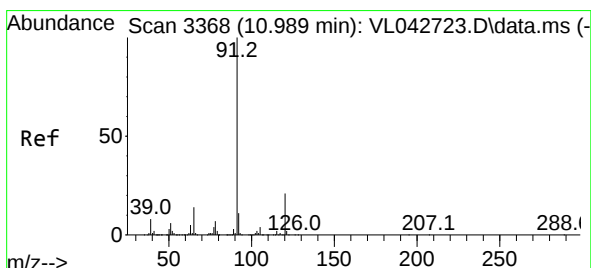
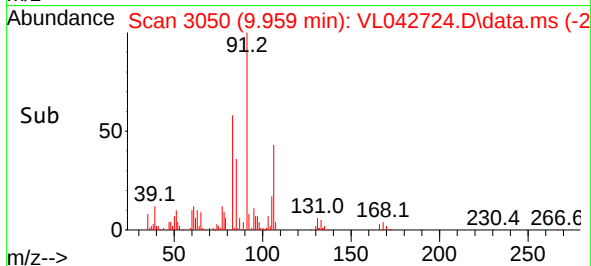
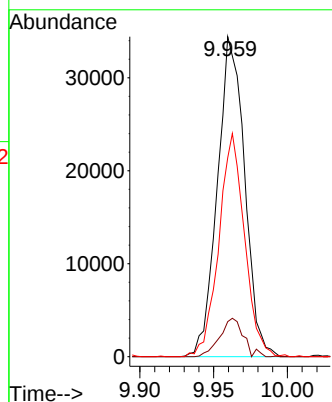
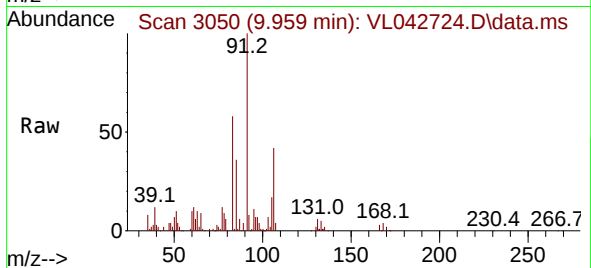
#63
1,1,2,2-Tetrachloroethane
Concen: 2.029 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 83 Resp: 4426
Ion Ratio Lower Upper
83 100
131 10.5 5.2 15.6
85 65.8 32.1 96.5

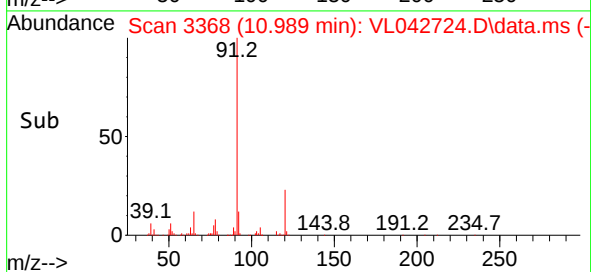
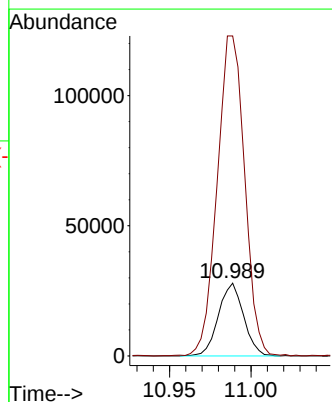
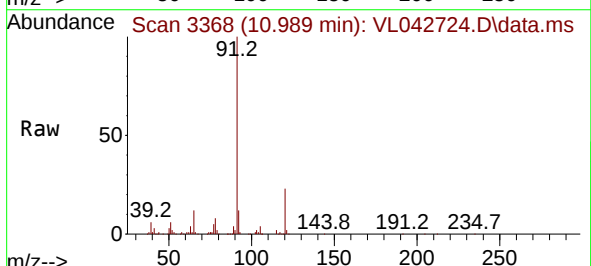
Manual Integrations
APPROVED

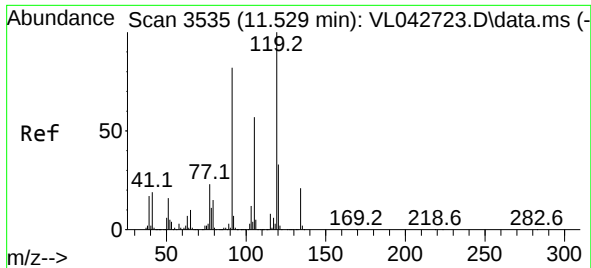
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#64
n-propylbenzene
Concen: 2.097 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Tgt Ion:120 Resp: 30013
Ion Ratio Lower Upper
120 100
91 479.7 377.4 566.0





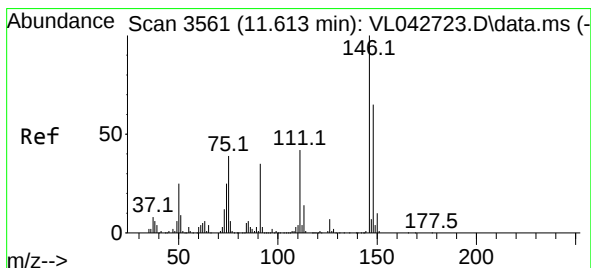
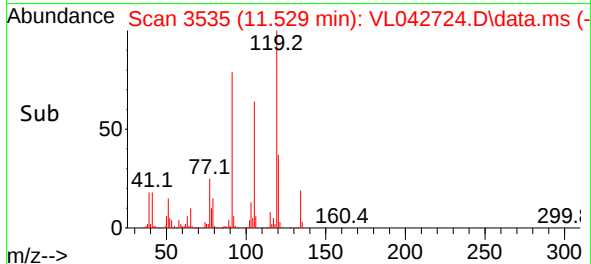
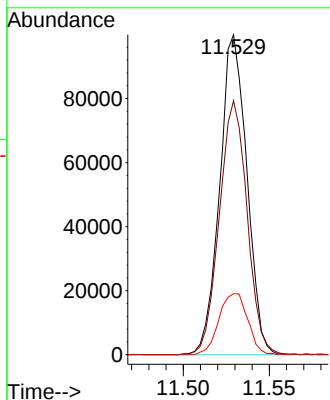
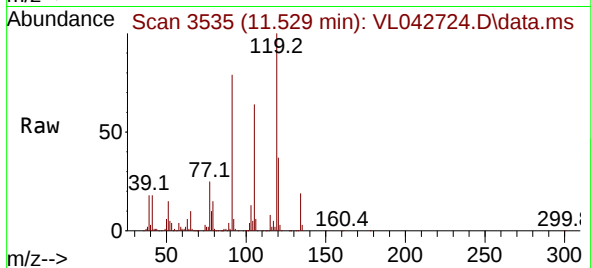
#65
tert-Butylbenzene
Concen: 2.162 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 119 Resp: 10975
Ion Ratio Lower Upper
119 100
91 81.3 66.5 99.7
134 20.2 16.7 25.1

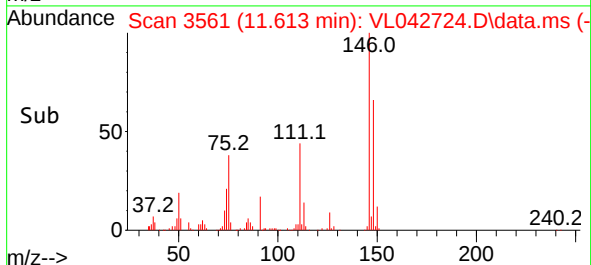
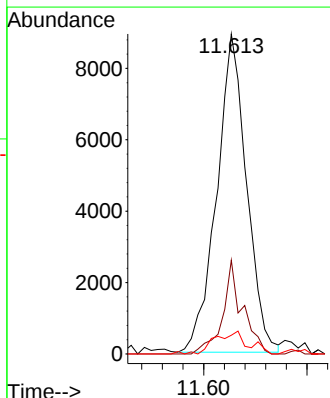
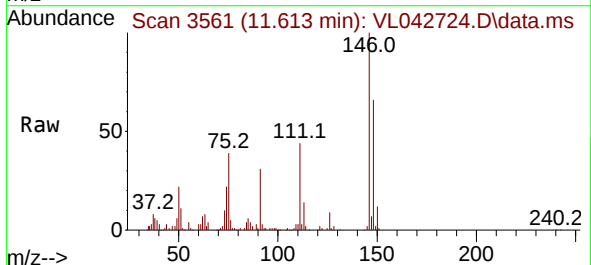
Manual Integrations
APPROVED

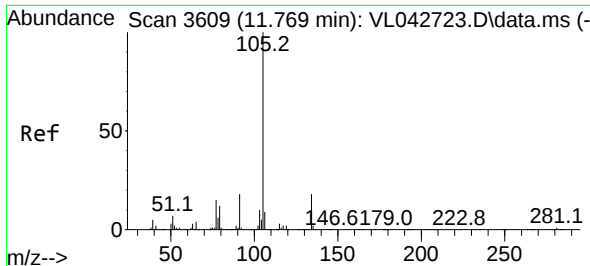
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#66
Benzyl Chloride
Concen: 1.858 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

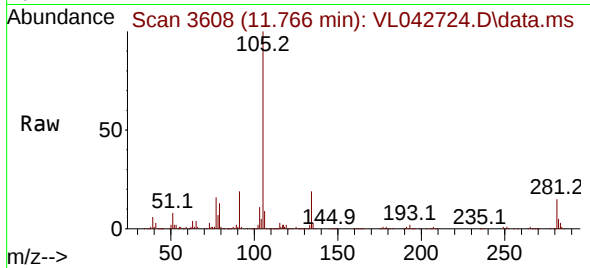
Tgt Ion: 91 Resp: 8963
Ion Ratio Lower Upper
91 100
126 19.9 15.0 22.4
128 8.8 5.0 7.6#





#67
 sec-Butylbenzene
 Concen: 2.138 ppbv
 RT: 11.766 min Scan# 3609
 Delta R.T. -0.003 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

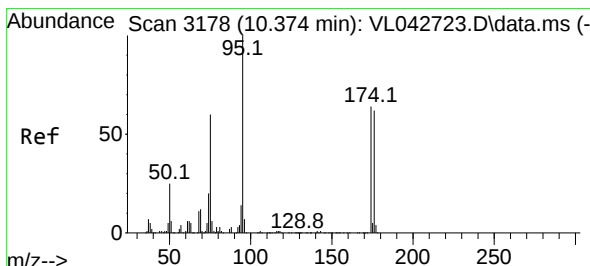
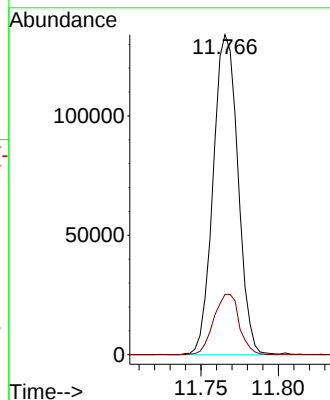
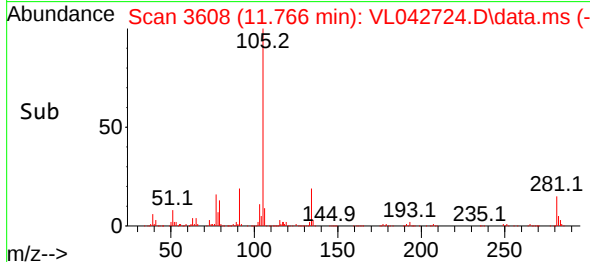
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:105 Resp: 14910
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.0 22.4

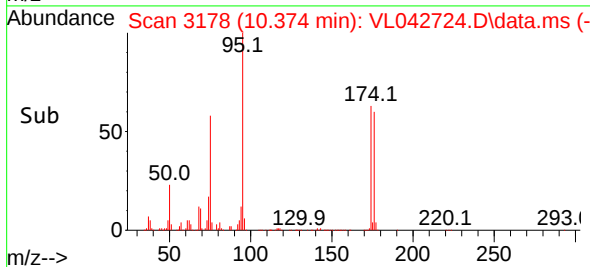
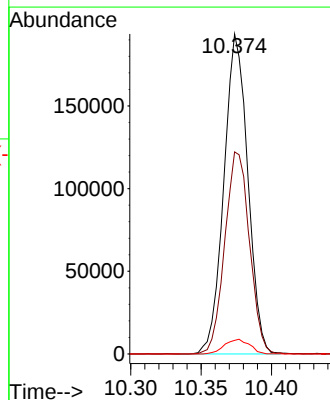
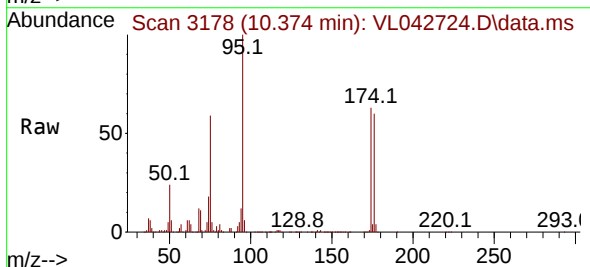
Manual Integrations
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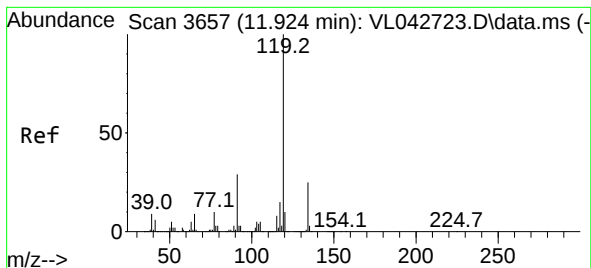
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.005 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL042724.D
 Acq: 22 Jul 2025 09:30

Tgt Ion: 95 Resp: 228709
 Ion Ratio Lower Upper
 95 100
 174 65.3 51.4 77.2
 175 4.9 4.2 6.4





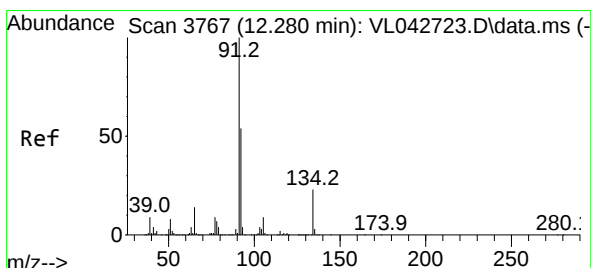
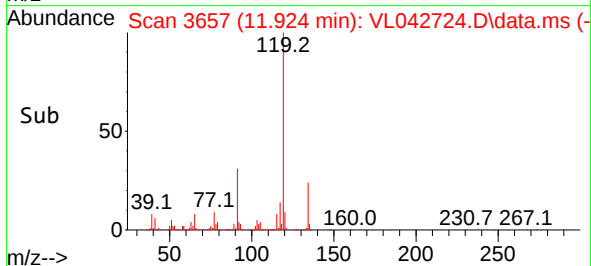
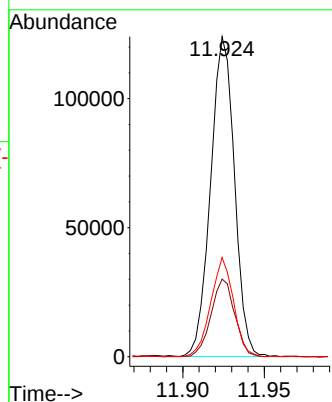
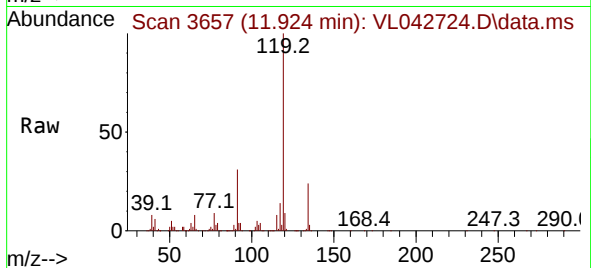
#69
p-Isopropyltoluene
Concen: 2.158 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 119 Resp: 126075
Ion Ratio Lower Upper
119 100
134 24.2 19.8 29.6
91 29.8 23.9 35.9

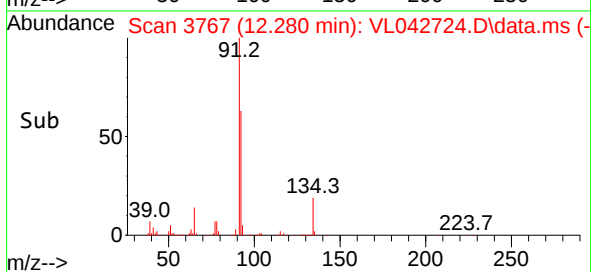
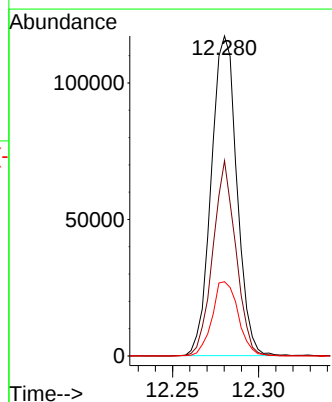
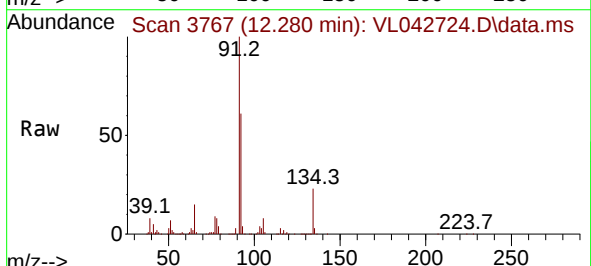
Manual Integrations
APPROVED

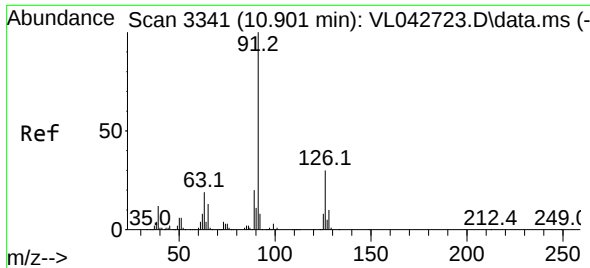
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#70
n-Butylbenzene
Concen: 2.170 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

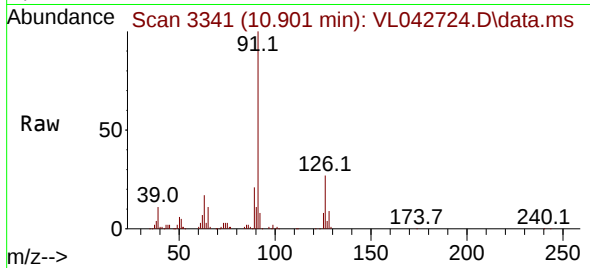
Tgt Ion: 91 Resp: 121157
Ion Ratio Lower Upper
91 100
92 55.0 43.2 64.8
134 23.8 19.0 28.6





#71
2-Chlorotoluene
Concen: 2.148 ppbv
RT: 10.901 min Scan# 3341
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30

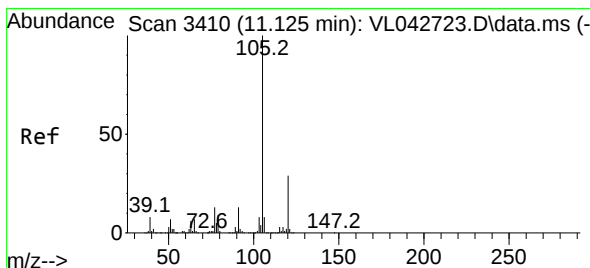
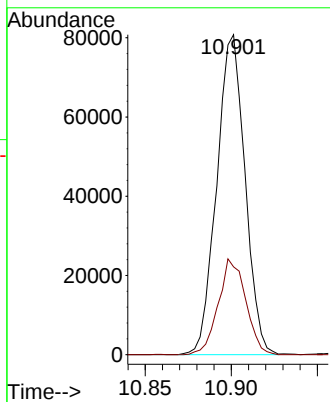
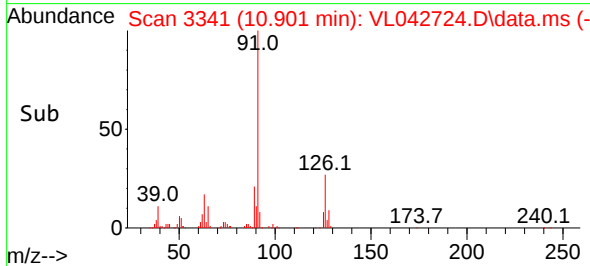
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



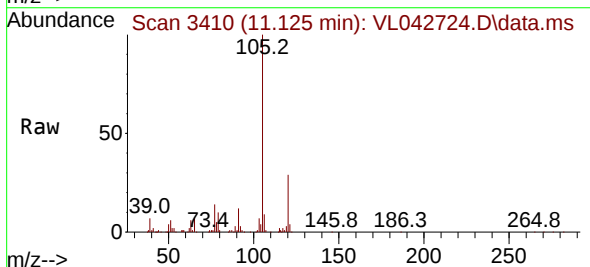
Tgt Ion: 91 Resp: 92375
Ion Ratio Lower Upper
91 100
126 29.1 11.6 46.4

Manual Integrations
APPROVED

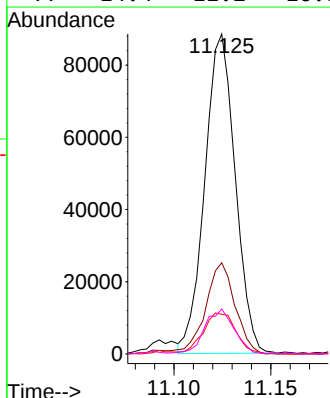
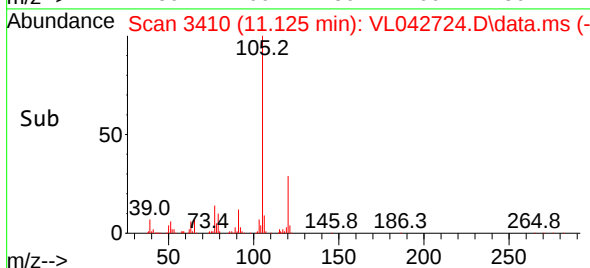
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

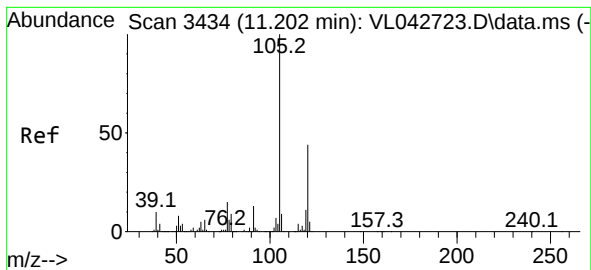


#72
4-Ethyltoluene
Concen: 2.124 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042724.D
Acq: 22 Jul 2025 09:30



Tgt Ion:105 Resp: 96669
Ion Ratio Lower Upper
105 100
120 28.6 23.4 35.0
91 14.7 10.6 15.8
77 14.4 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 2.116 ppbv

RT: 11.202 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 79639

Ion Ratio Lower Upper

105 100

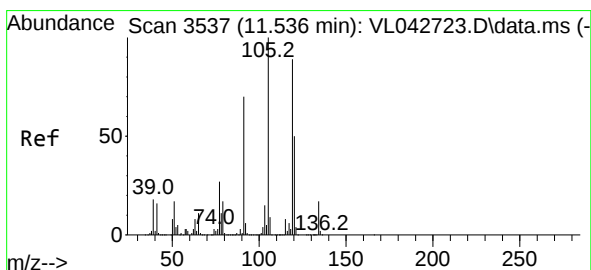
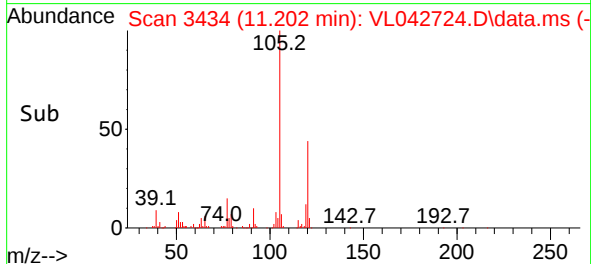
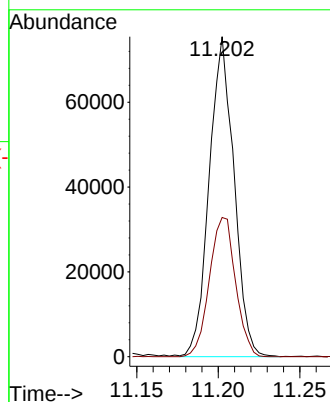
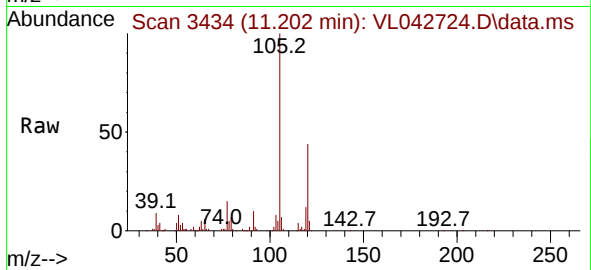
120 43.5 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.080 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:105 Resp: 85886

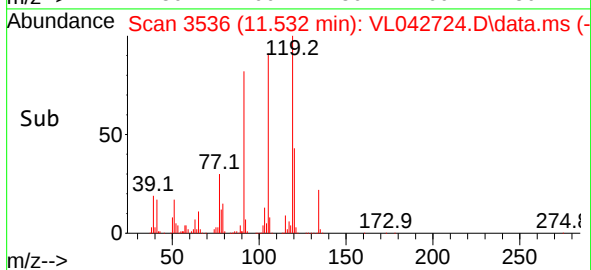
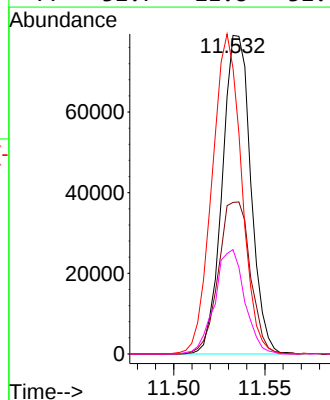
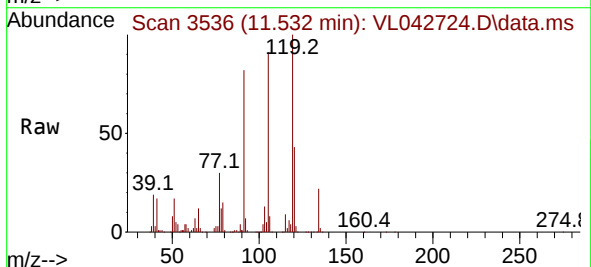
Ion Ratio Lower Upper

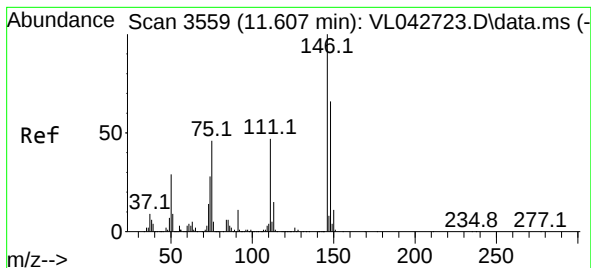
105 100

120 47.6 39.9 59.9

91 89.5 56.5 84.7#

77 32.7 21.8 32.6#





#75

1,3-Dichlorobenzene

Concen: 2.147 ppbv

RT: 11.604 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

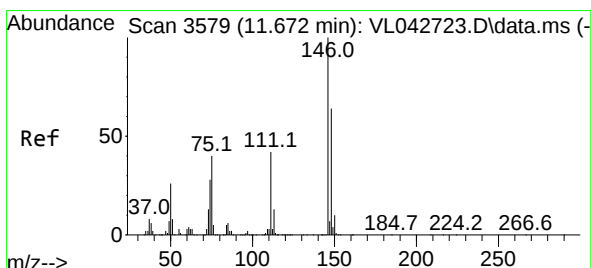
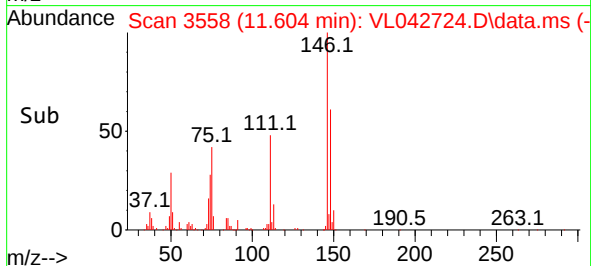
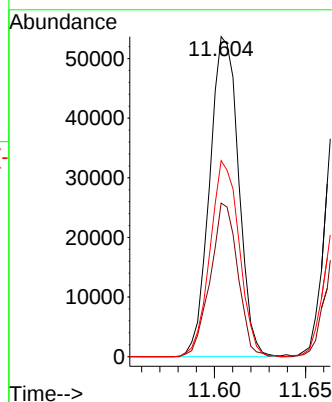
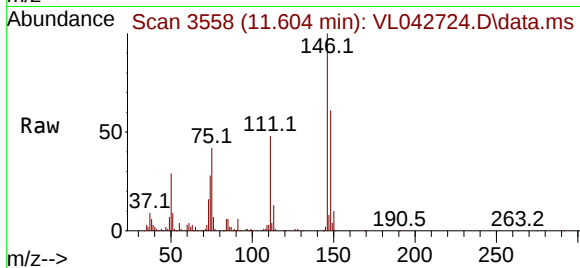
VSTDIC002

Tgt Ion:146	Resp:	59294
Ion Ratio	Lower	Upper
146	100	
111	45.4	23.5 70.5
148	61.6	32.6 98.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#76

1,4-Dichlorobenzene

Concen: 2.153 ppbv

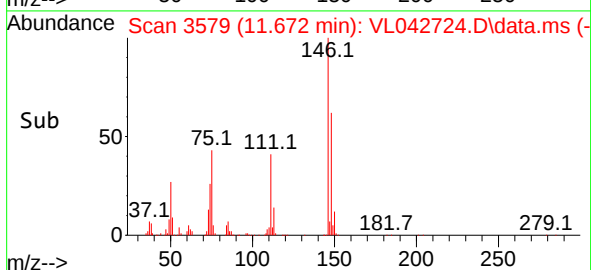
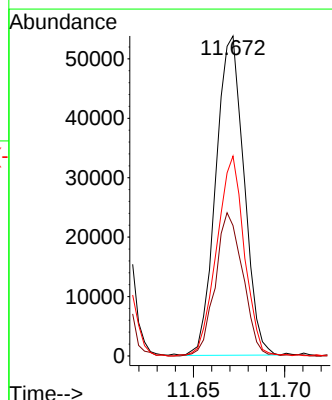
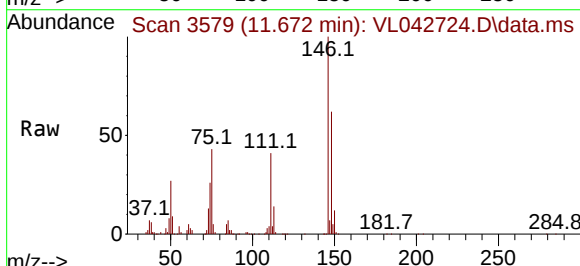
RT: 11.672 min Scan# 3579

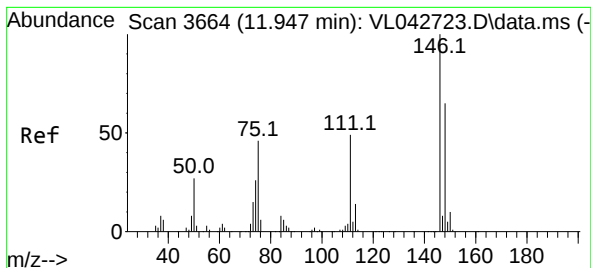
Delta R.T. 0.000 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:146	Resp:	57524
Ion Ratio	Lower	Upper
146	100	
111	44.3	22.1 66.1
148	61.8	32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 2.091 ppbv

RT: 11.944 min Scan# 3663

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

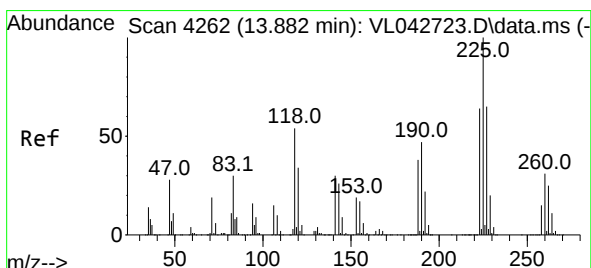
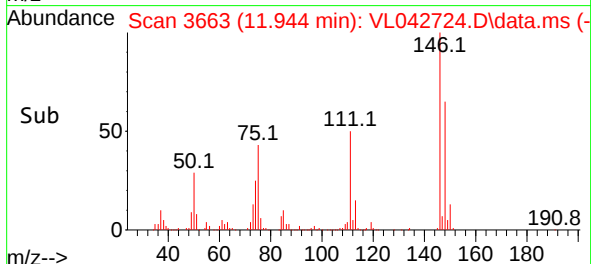
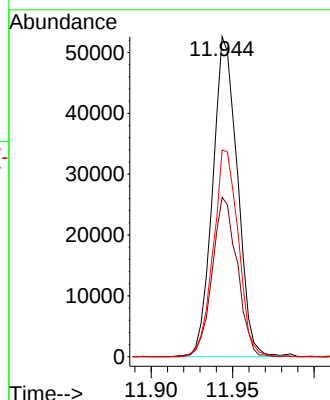
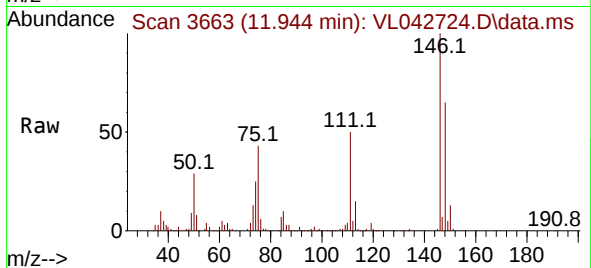
VSTDIC002

Tgt Ion:	146	Resp:	5535
Ion Ratio	Lower	Upper	
146	100		
111	50.4	24.9	74.6
148	65.4	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#78

Hexachloro-1,3-Butadiene

Concen: 2.241 ppbv

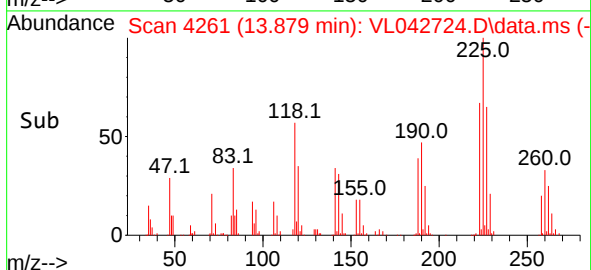
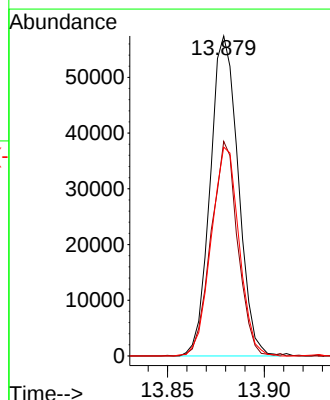
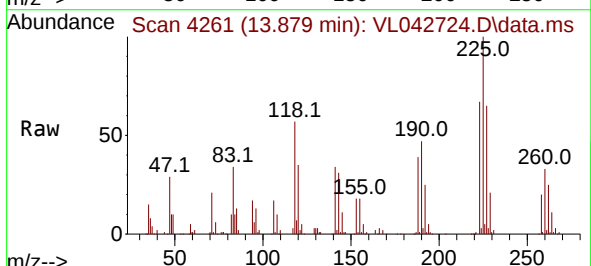
RT: 13.879 min Scan# 4261

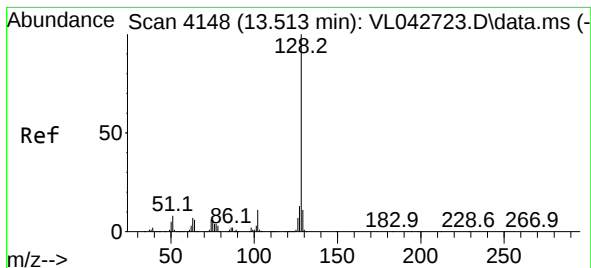
Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:	225	Resp:	57751
Ion Ratio	Lower	Upper	
225	100		
223	64.0	51.3	76.9
227	65.1	51.8	77.8





#79

Naphthalene

Concen: 1.995 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

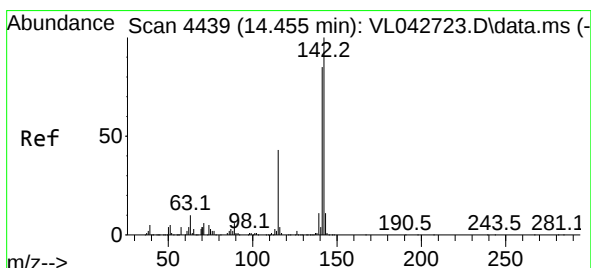
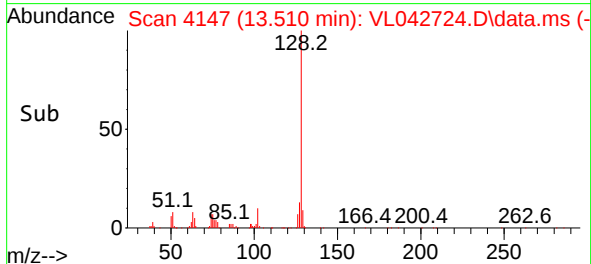
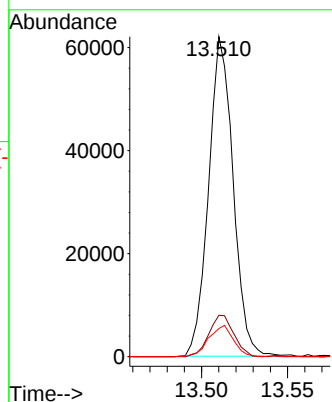
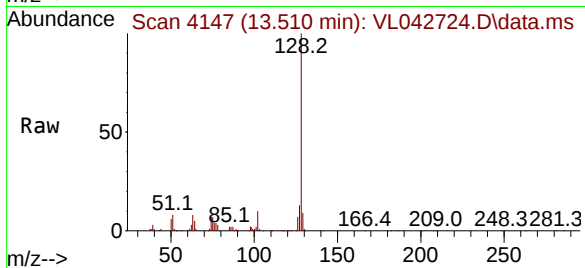
VSTDICC002

Tgt Ion:	128	Resp:	6141
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	8.8	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#80

Naphthalene,2-methyl-

Concen: 0.705 ppbv

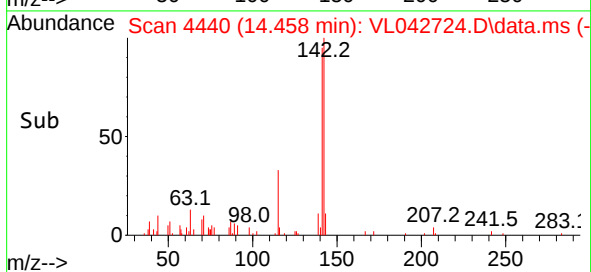
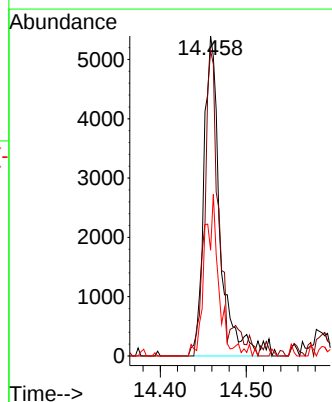
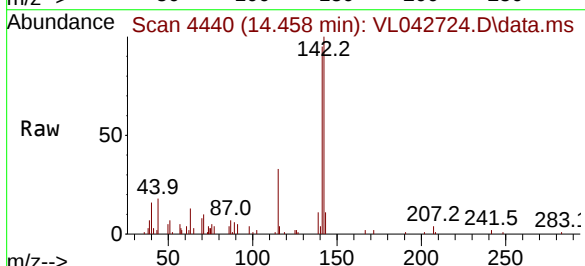
RT: 14.458 min Scan# 4440

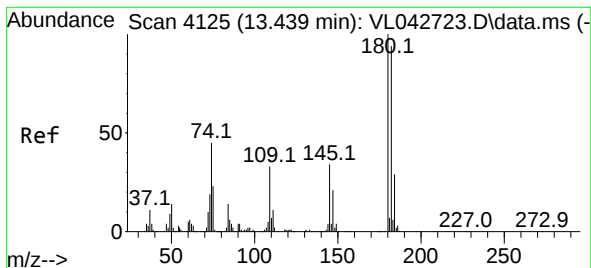
Delta R.T. 0.003 min

Lab File: VL042724.D

Acq: 22 Jul 2025 09:30

Tgt Ion:	142	Resp:	7143
Ion Ratio	Lower	Upper	
142	100		
141	87.0	65.6	98.4
115	44.7	31.7	47.5





#81

1,2,4-Trichlorobenzene

Concen: 2.095 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042724.D

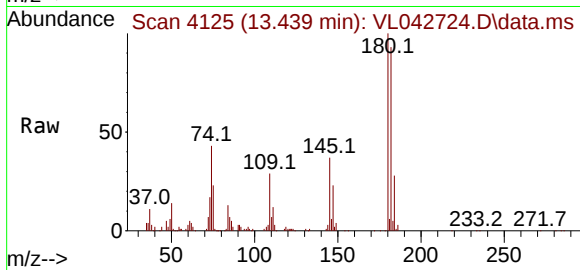
Acq: 22 Jul 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180	Resp:	3948
Ion Ratio	Lower	Upper
180	100	
182	96.3	77.1 115.7
184	29.5	25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

