

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
 Data File : VL042459.D
 Acq On : 01 May 2025 09:37
 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 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:40:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 01:37:48 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	73220	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	201951	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	174624	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 159777 9.869 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	23859	1.969	ppbv	100
3) Chlorodifluoromethane	1.476	51	26655	2.081	ppbv	95
4) Chloromethane	1.531	50	10751	2.123	ppbv	95
5) Vinyl Chloride	1.580	62	9122	1.789	ppbv	92
6) Bromomethane	1.667	94	4793	1.990	ppbv #	62
7) Chloroethane	1.703	64	3972	2.110	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	20529	2.055	ppbv	100
9) Propene	1.482	41	9234	2.204	ppbv	95
10) Heptane	4.978	43	23329m	2.146	ppbv	
11) Trichlorofluoromethane	1.877	101	22375	2.070	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	18230	2.042	ppbv	97
13) Ethanol	1.722	45	2099	2.468	ppbv	94
14) Bromoethene	1.780	108	6686	2.029	ppbv #	96
15) Acetone	1.835	43	29607	2.215	ppbv	99
16) 1,3-Butadiene	1.609	39	12245	2.077	ppbv	92
17) tert-Butyl alcohol	2.042	59	23722	2.014	ppbv #	93
18) 1,1-Dichloroethene	2.033	96	8303	1.992	ppbv	92
19) Isopropyl Alcohol	1.884	45	14288	1.931	ppbv	99
20) Methylene Chloride	2.062	84	7590	1.889	ppbv	96
21) Allyl Chloride	2.094	41	17050	1.983	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	9444	1.940	ppbv	97
23) Vinyl Acetate	2.463	43	26502	2.128	ppbv	98
24) 1,1-Dichloroethane	2.408	63	20027	2.016	ppbv	98
25) Ethyl Acetate	2.839	43	43122	2.015	ppbv	97
26) Hexane	2.822	57	19691	2.112	ppbv	95
27) Carbon Disulfide	2.149	76	21945	2.017	ppbv #	43
28) Methyl tert-Butyl Ether	2.441	73	11119	1.985	ppbv	94
29) Chloroform	2.848	83	35127	2.010	ppbv	86
30) Cyclohexane	3.858	84	16056	2.060	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	22619	2.079	ppbv	95
32) 1,1,1-Trichloroethane	3.369	97	36768	1.940	ppbv	99
34) 2-Butanone	2.557	43	31242	2.139	ppbv	95
35) Carbon Tetrachloride	3.764	117	35326	2.011	ppbv	97
36) Benzene	3.661	78	41848	2.196	ppbv #	88
37) 1,2-Dichloroethane	3.217	62	31049	2.114	ppbv	99
38) Trichloroethene	4.544	130	16311m	2.244	ppbv	
39) 1,2-Dichloropropane	4.311	63	14611	2.047	ppbv	91
40) 1,4-Dioxane	4.593	88	6957m	2.096	ppbv	
41) Tetrahydrofuran	3.059	42	15641m	2.258	ppbv	
42) Bromodichloromethane	4.489	83	37615	2.096	ppbv #	99
43) Methyl Methacrylate	4.884	69	14610m	2.059	ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	65967	2.142	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	18560m	1.987	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:40:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

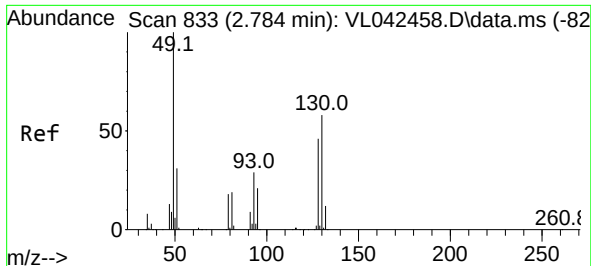
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 02 01:37:48 2025

Response via : Initial Calibration

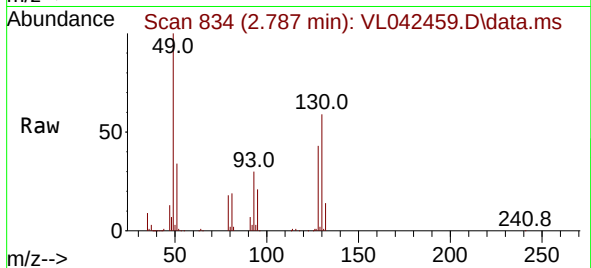
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	22184	2.000	ppbv	93
47) 1,1,2-Trichloroethane	6.587	97	17307m	2.212	ppbv	
48) Dibromochloromethane	7.386	129	27174	2.057	ppbv	99
49) Bromoform	9.483	173	23126	2.088	ppbv	98
50) 4-Methyl-2-Pentanone	5.758	43	39798	2.155	ppbv	99
51) 2-Hexanone	7.441	43	32196	2.177	ppbv #	97
52) Tetrachloroethene	8.224	164	13670	1.885	ppbv	93
53) Toluene	6.930	91	41392	2.052	ppbv	97
54) 1,2-Dibromoethane	7.652	107	24650	2.049	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	20822	2.019	ppbv	95
57) Chlorobenzene	8.920	112	36187	2.062	ppbv #	88
58) Ethyl Benzene	9.354	91	61177	2.096	ppbv	91
59) m/p-Xylene	9.551	91	105185m	4.299	ppbv	
60) o-Xylene	9.963	91	53051	2.169	ppbv	99
61) Styrene	9.872	104	18776	2.054	ppbv	97
62) Isopropylbenzene	10.539	105	75626	2.140	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	34562	2.178	ppbv	98
64) n-propylbenzene	10.989	120	19160	2.226	ppbv	94
65) tert-Butylbenzene	11.532	119	70813	2.246	ppbv	97
66) Benzyl Chloride	11.613	91	6794	1.864	ppbv	97
67) sec-Butylbenzene	11.769	105	101458	2.264	ppbv	99
69) p-Isopropyltoluene	11.924	119	84026	2.226	ppbv	98
70) n-Butylbenzene	12.280	91	89400	2.291	ppbv	97
71) 2-Chlorotoluene	10.901	91	59271	2.139	ppbv	97
72) 4-Ethyltoluene	11.124	105	63833	2.210	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	56516	2.225	ppbv	94
74) 1,2,4-Trimethylbenzene	11.536	105	72485	2.359	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	36885	2.156	ppbv	97
76) 1,4-Dichlorobenzene	11.671	146	33728	2.083	ppbv	94
77) 1,2-Dichlorobenzene	11.947	146	36078	2.154	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	37360	2.234	ppbv	99
79) Naphthalene	13.513	128	75248	2.920	ppbv	96
80) Naphthalene,2-methyl-	14.458	142	54922	2.857	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	33063	2.396	ppbv	95

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

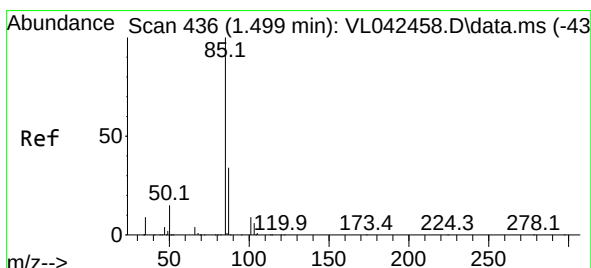
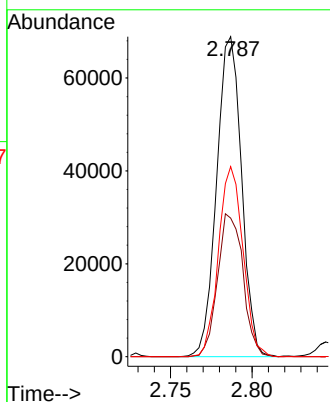
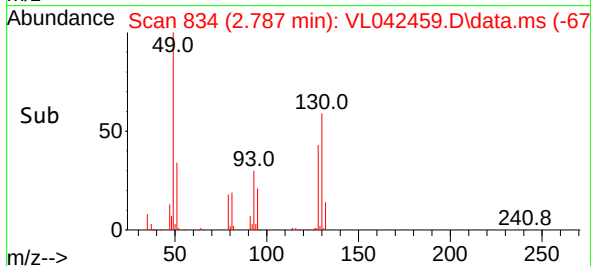
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



Tgt Ion: 49 Resp: 73220
Ion Ratio Lower Upper
49 100
128 45.4 23.3 69.9
130 58.4 29.5 88.6

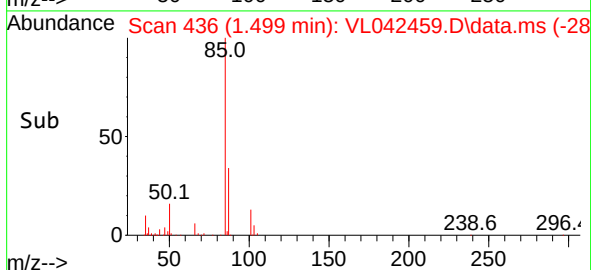
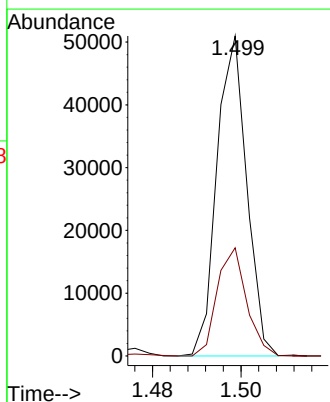
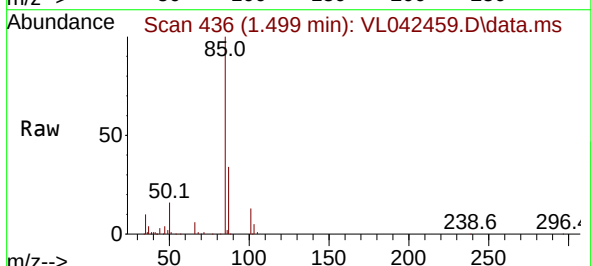
Manual Integrations
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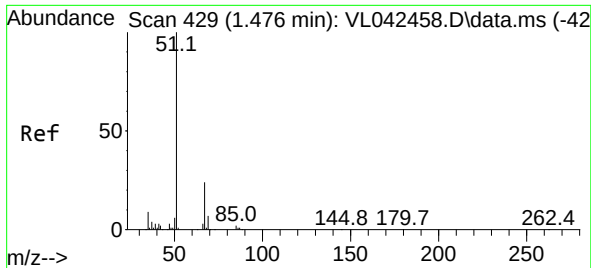
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#2
Dichlorodifluoromethane
Concen: 1.969 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

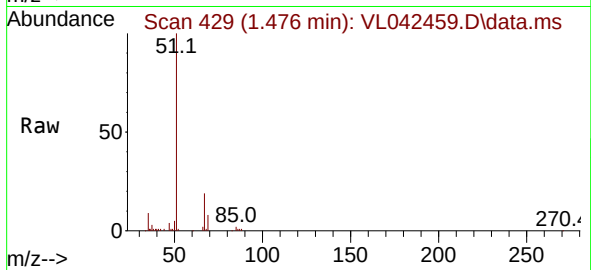
Tgt Ion: 85 Resp: 23859
Ion Ratio Lower Upper
85 100
87 33.8 26.9 40.3





#3
Chlorodifluoromethane
Concen: 2.081 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

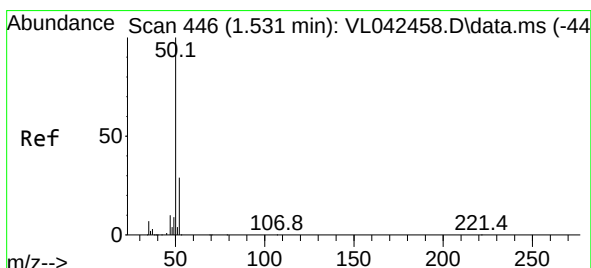
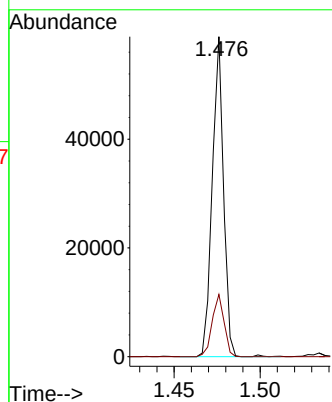
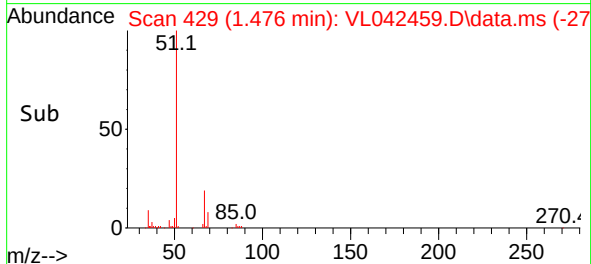
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



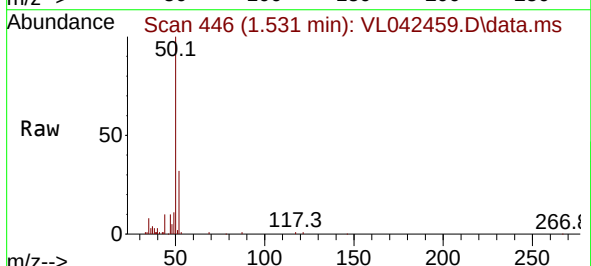
Tgt Ion: 51 Resp: 26658
Ion Ratio Lower Upper
51 100
67 20.6 18.4 27.6

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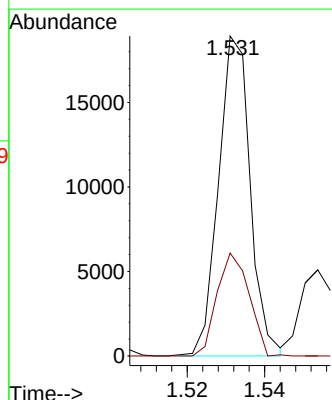
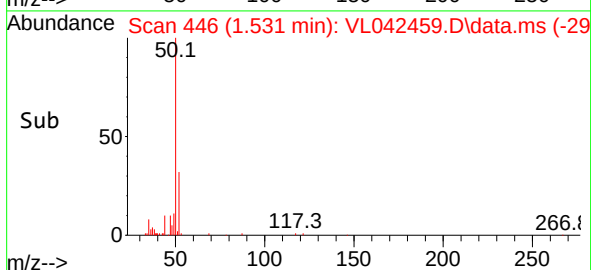
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

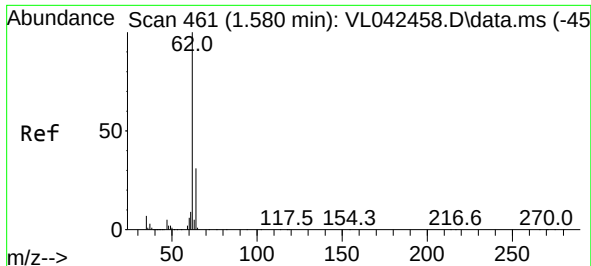


#4
Chloromethane
Concen: 2.123 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



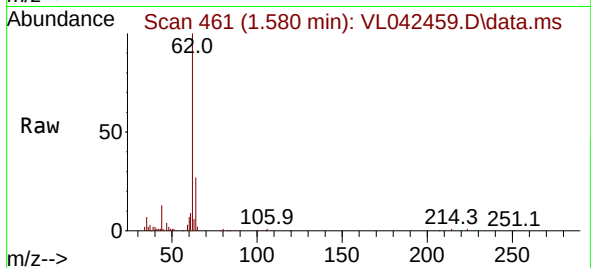
Tgt Ion: 50 Resp: 10751
Ion Ratio Lower Upper
50 100
52 32.3 23.5 35.3





#5
 Vinyl Chloride
 Concen: 1.789 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

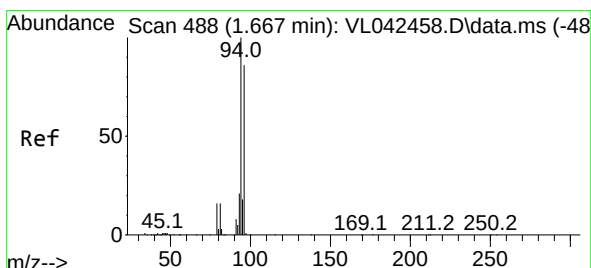
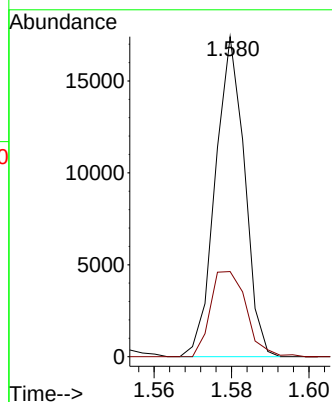
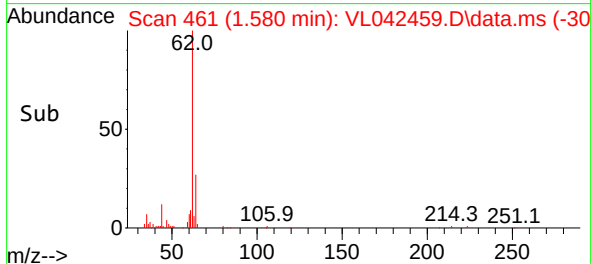
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion: 62 Resp: 912
 Ion Ratio Lower Upper
 62 100
 64 26.6 24.9 37.3

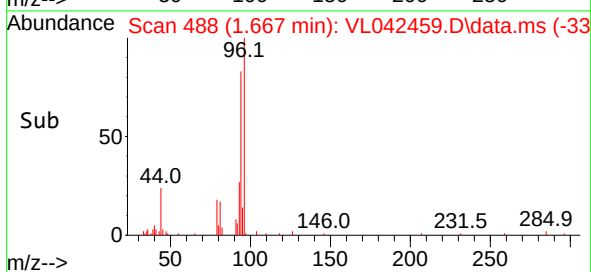
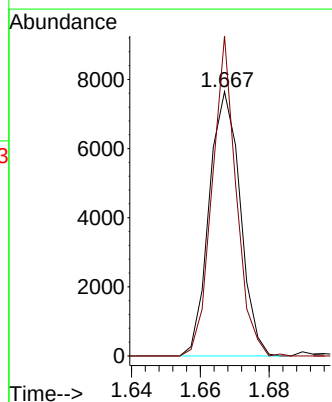
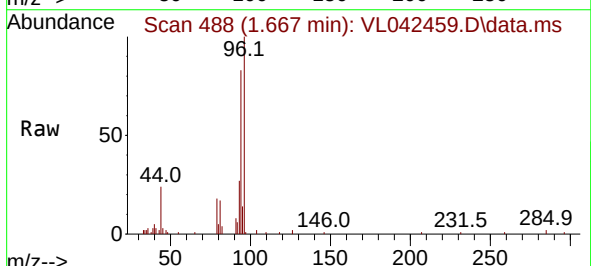
Manual Integrations
 APPROVED

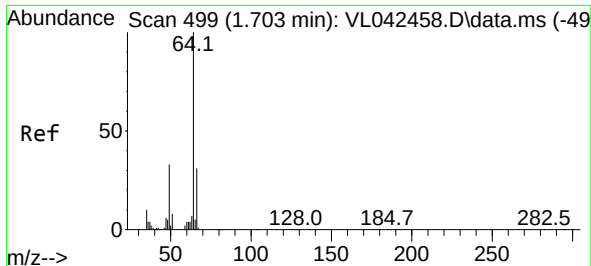
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025



#6
 Bromomethane
 Concen: 1.990 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

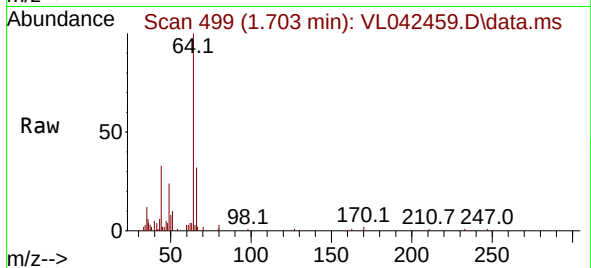
Tgt Ion: 94 Resp: 4793
 Ion Ratio Lower Upper
 94 100
 96 121.0 68.8 103.2#





#7
Chloroethane
Concen: 2.110 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

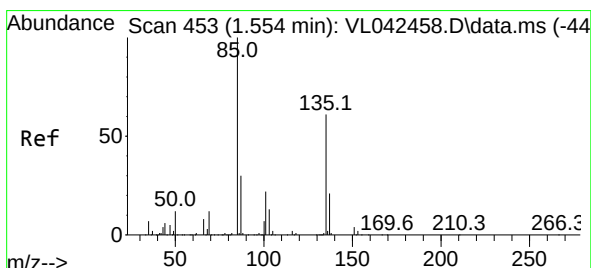
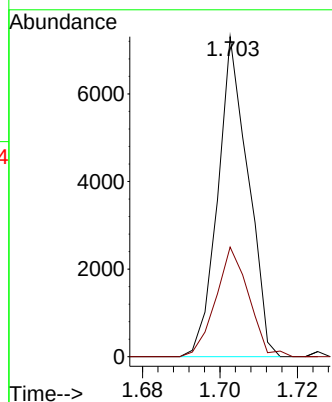
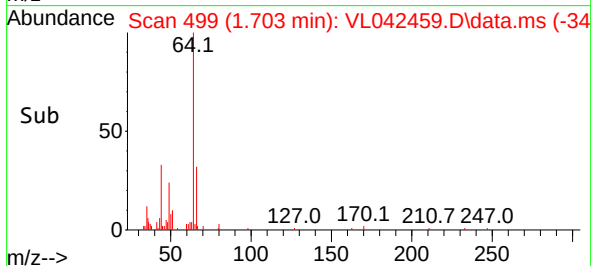
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 64 Resp: 3972
Ion Ratio Lower Upper
64 100
66 34.3 25.0 37.4

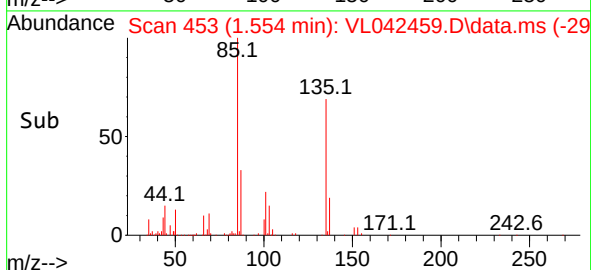
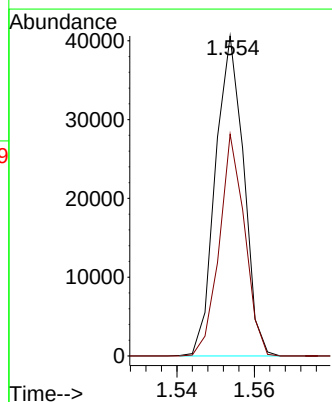
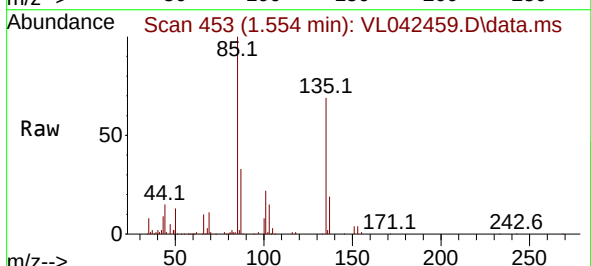
Manual Integrations
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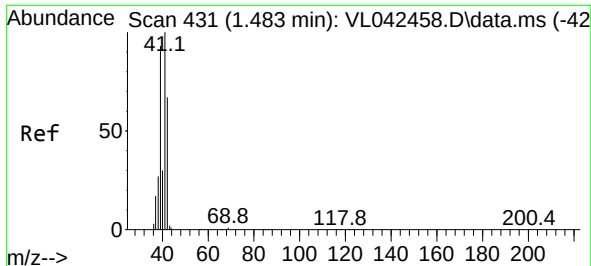
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#8
Dichlorotetrafluoroethane
Concen: 2.055 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

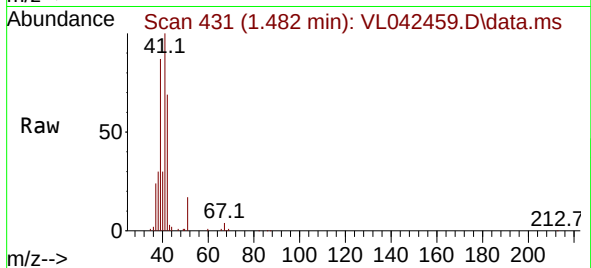
Tgt Ion: 85 Resp: 20529
Ion Ratio Lower Upper
85 100
135 62.6 49.8 74.8





#9
 Propene
 Concen: 2.204 ppbv
 RT: 1.482 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

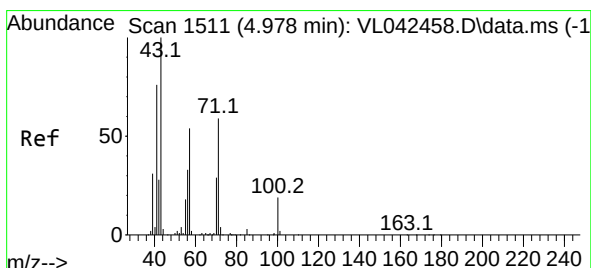
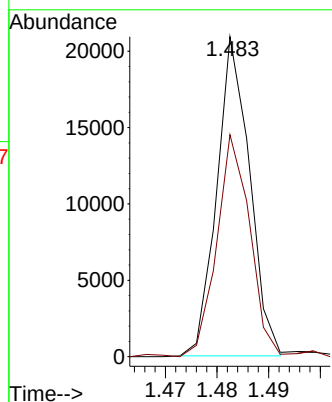
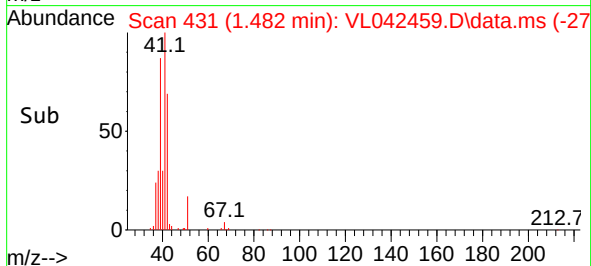
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



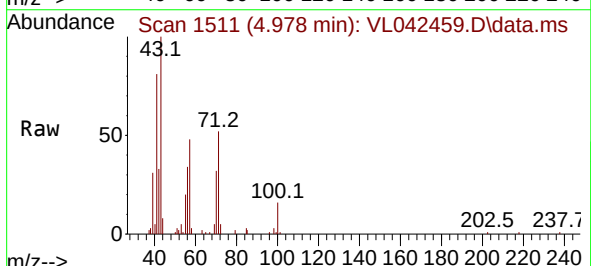
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 Ion Ratio Lower Upper
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 42 72.2 54.3 81.5

Manual Integrations
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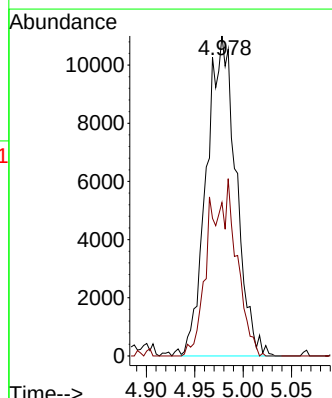
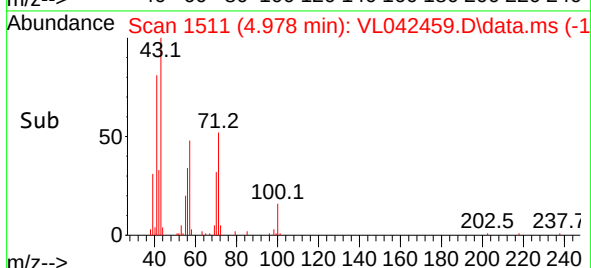
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

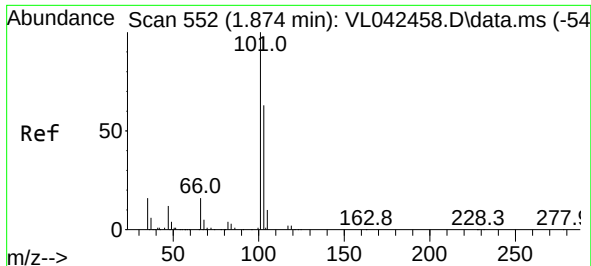


#10
 Heptane
 Concen: 2.146 ppbv m
 RT: 4.978 min Scan# 1511
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37



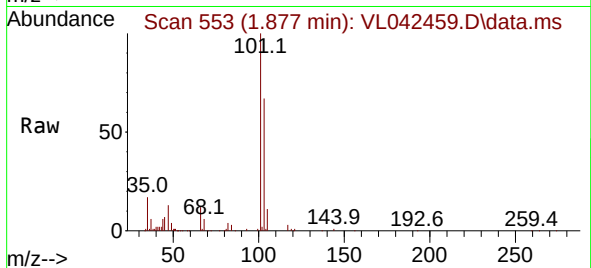
Tgt Ion: 43 Resp: 23329
 Ion Ratio Lower Upper
 43 100
 57 52.3 41.8 62.8





#11
Trichlorofluoromethane
Concen: 2.070 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

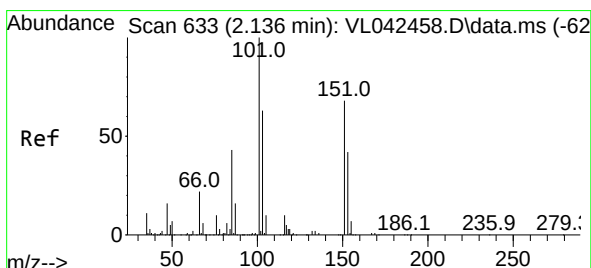
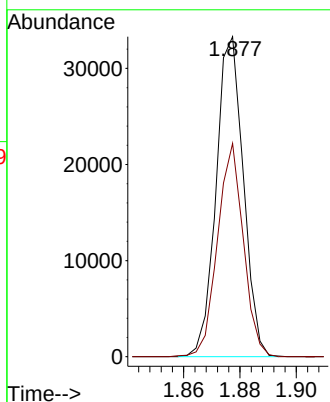
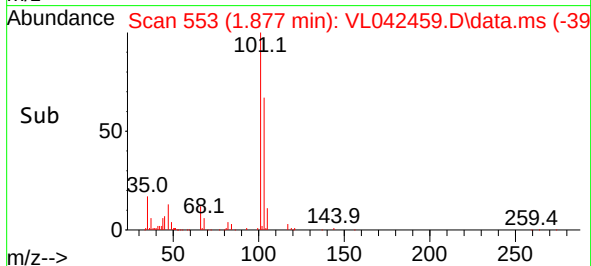
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



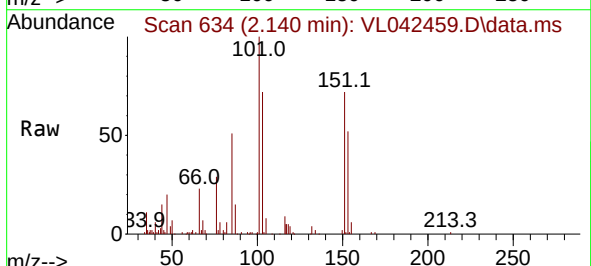
Tgt Ion:101 Resp: 22375
Ion Ratio Lower Upper
101 100
103 66.6 50.6 76.0

Manual Integrations
APPROVED

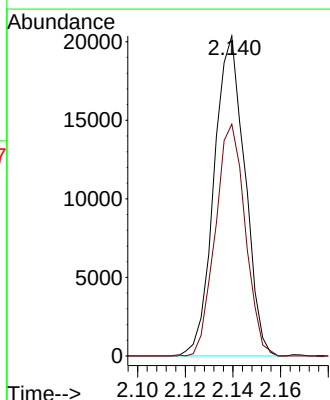
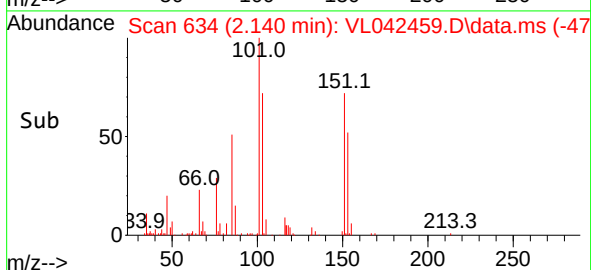
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

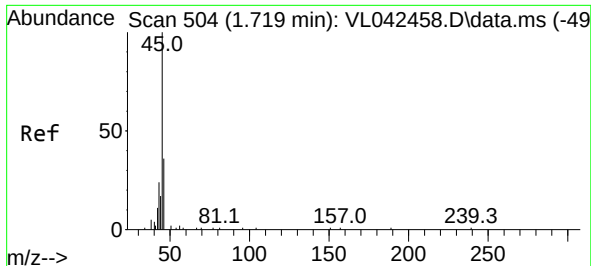


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.042 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion:101 Resp: 18230
Ion Ratio Lower Upper
101 100
151 70.4 54.6 82.0





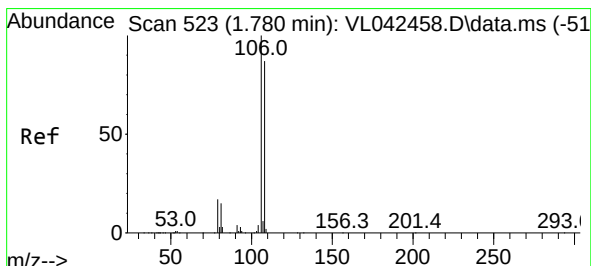
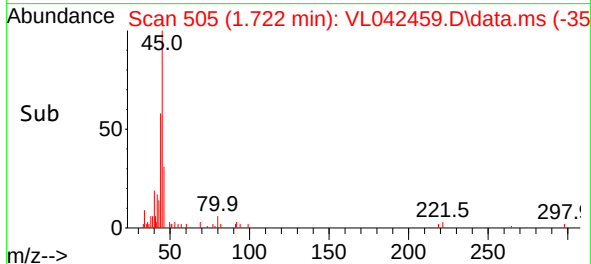
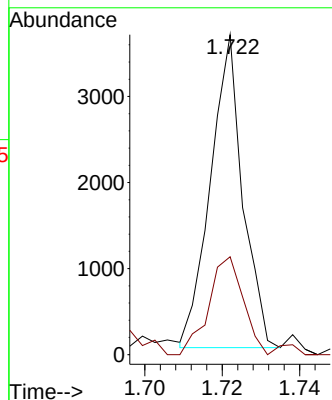
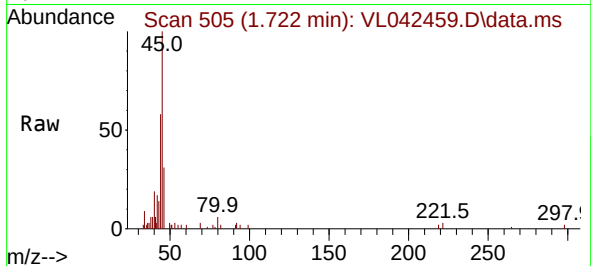
#13
Ethanol
Concen: 2.468 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 2099
Ion Ratio Lower Upper
45 100
46 41.9 15.3 61.1

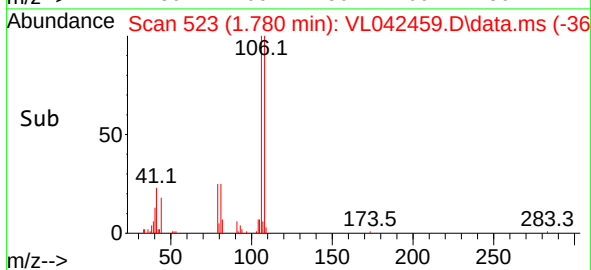
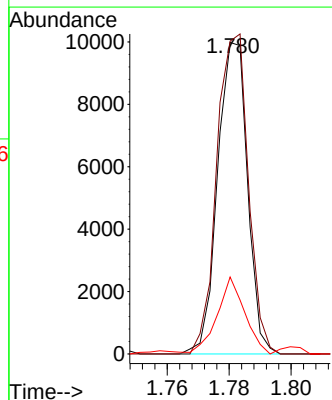
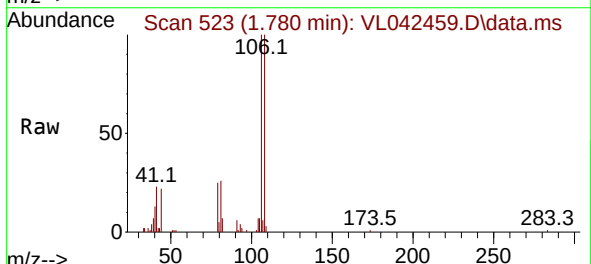
Manual Integrations
APPROVED

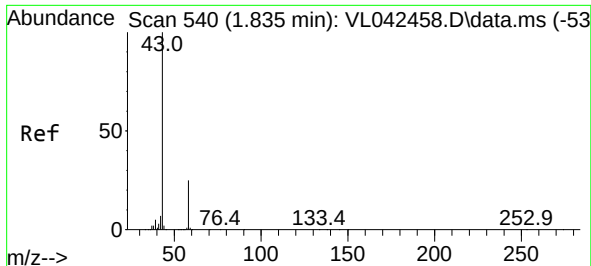
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#14
Bromoethene
Concen: 2.029 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Tgt Ion:108 Resp: 6686
Ion Ratio Lower Upper
108 100
106 108.2 88.8 133.2
79 25.7 17.1 25.7#





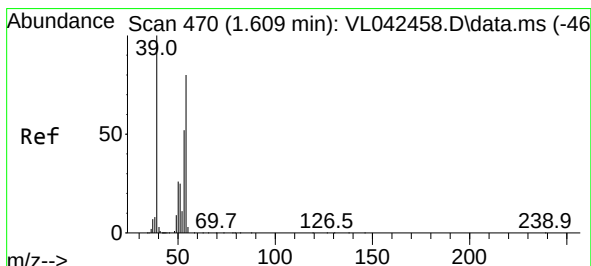
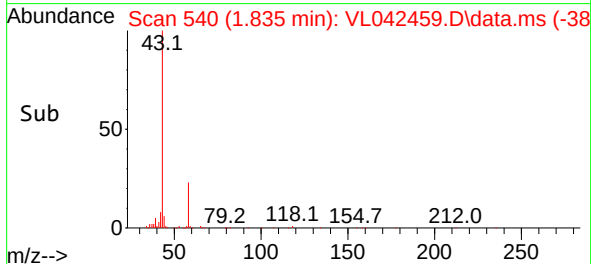
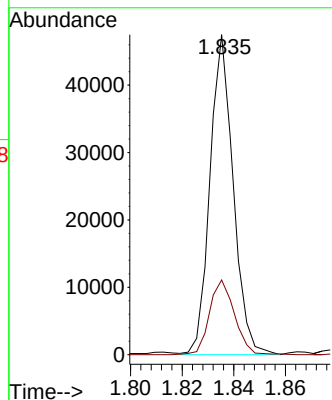
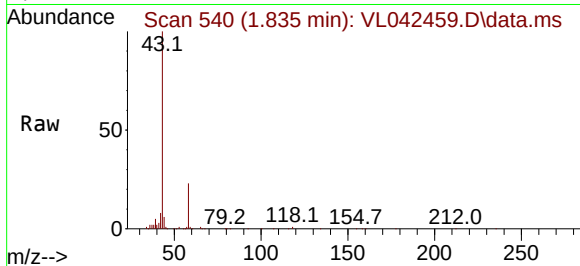
#15
Acetone
Concen: 2.215 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 2960
Ion Ratio Lower Upper
43 100
58 25.1 19.8 29.8

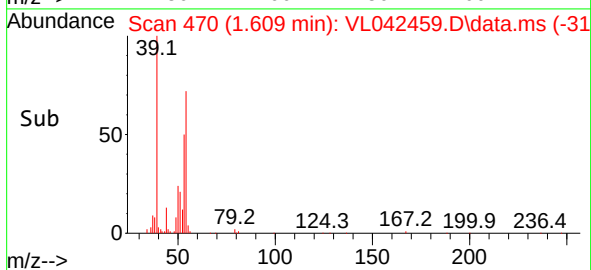
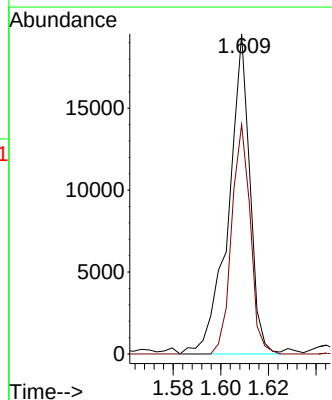
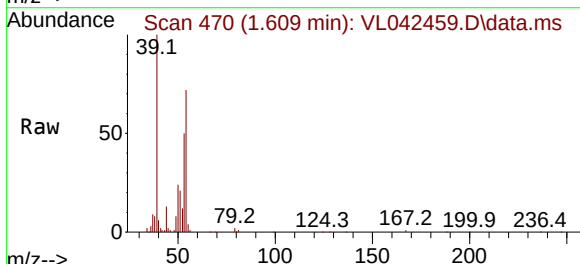
Manual Integrations
APPROVED

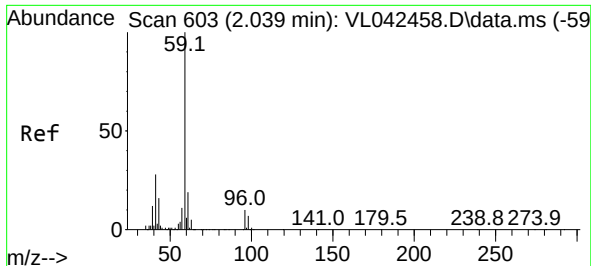
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#16
1,3-Butadiene
Concen: 2.077 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

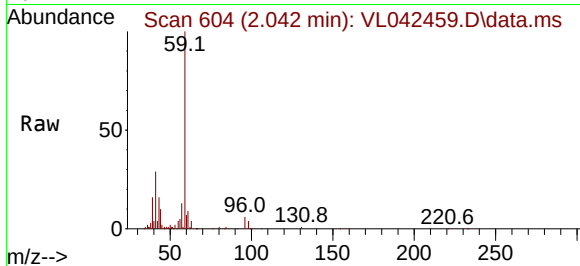
Tgt Ion: 39 Resp: 12245
Ion Ratio Lower Upper
39 100
54 62.1 55.2 82.8





#17
tert-Butyl alcohol
Concen: 2.014 ppbv
RT: 2.042 min Scan# 604
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

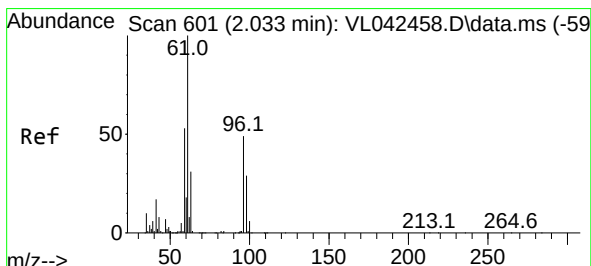
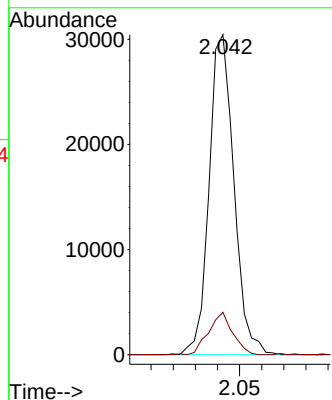
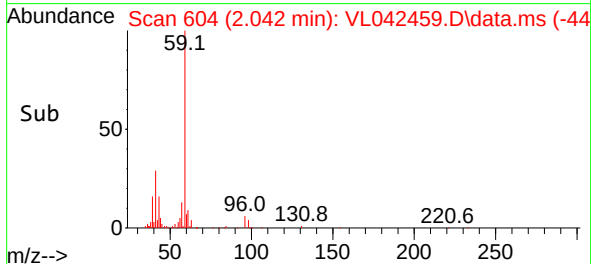
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



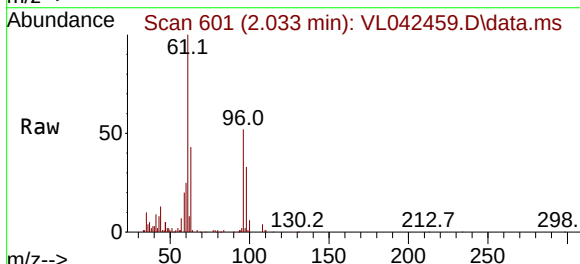
Tgt Ion: 59 Resp: 2372
Ion Ratio Lower Upper
59 100
57 12.9 8.3 12.5

Manual Integrations
APPROVED

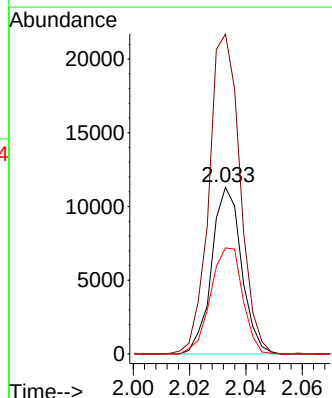
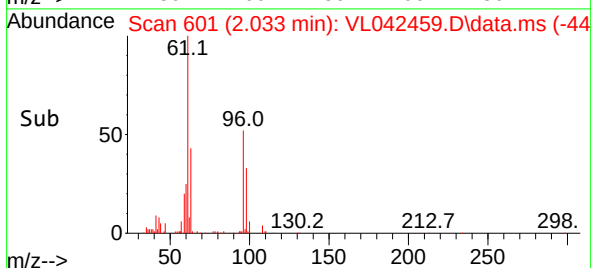
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

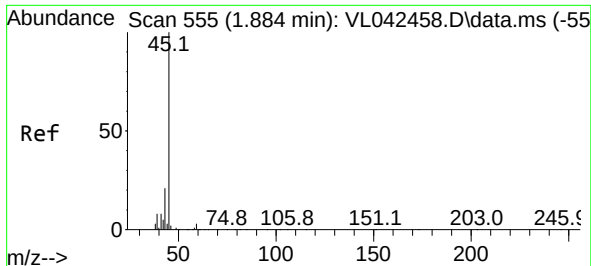


#18
1,1-Dichloroethene
Concen: 1.992 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion: 96 Resp: 8303
Ion Ratio Lower Upper
96 100
61 191.9 164.9 247.3
98 63.6 48.2 72.2





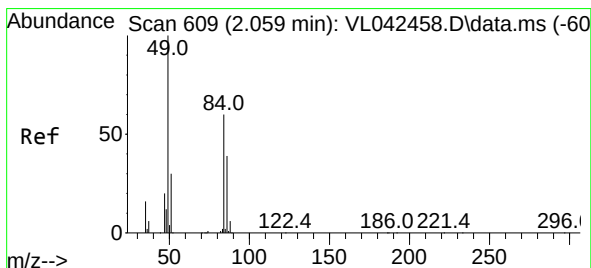
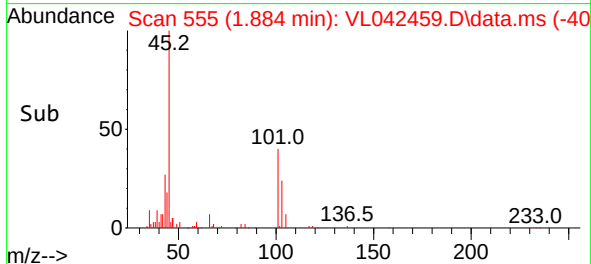
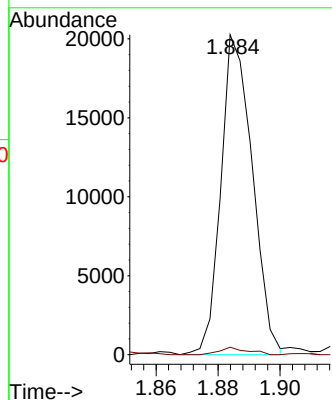
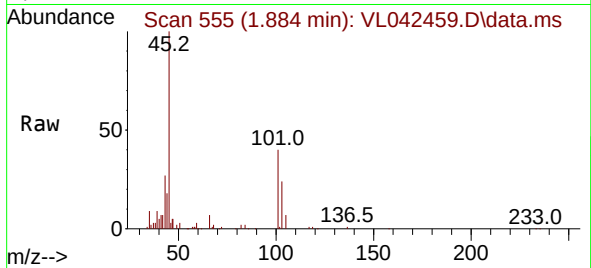
#19
Isopropyl Alcohol
Concen: 1.931 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 45 Resp: 1428
Ion Ratio Lower Upper
45 100
58 2.3 1.6 2.4

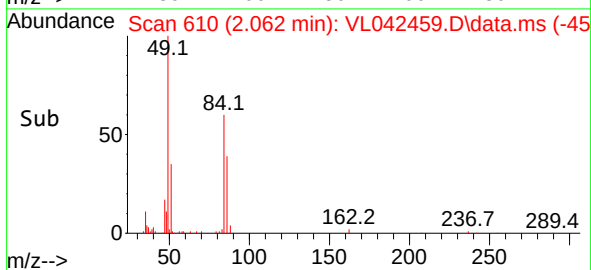
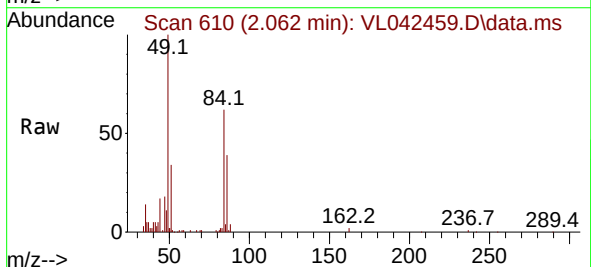
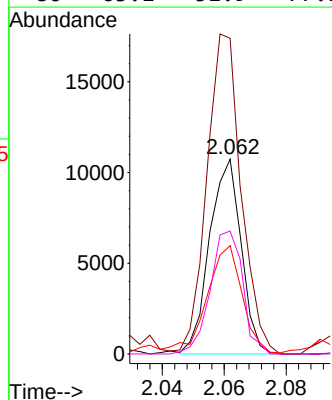
Manual Integrations
APPROVED

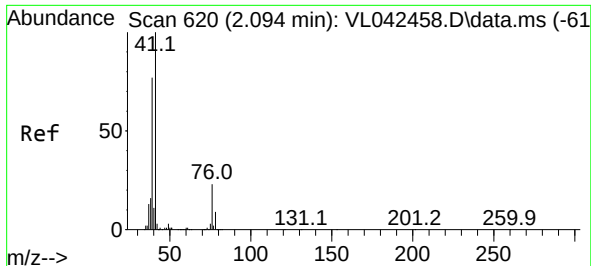
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#20
Methylene Chloride
Concen: 1.889 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

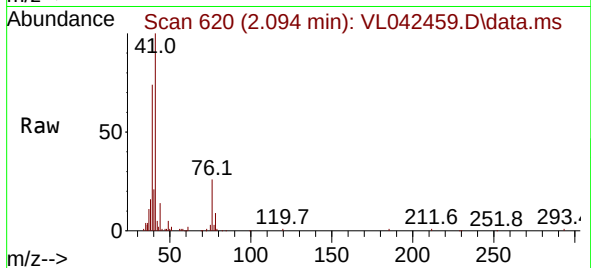
Tgt Ion: 84 Resp: 7590
Ion Ratio Lower Upper
84 100
49 162.1 133.9 200.9
51 55.0 41.0 61.6
86 63.1 51.9 77.9





#21
 Allyl Chloride
 Concen: 1.983 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

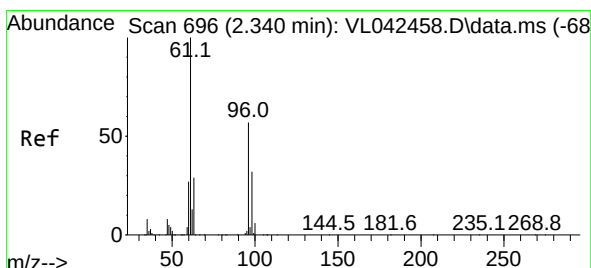
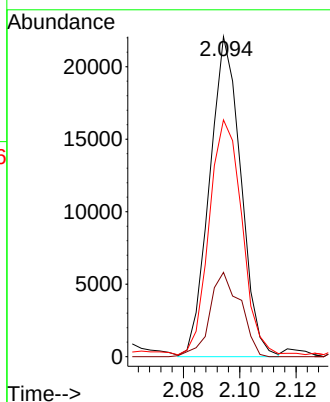
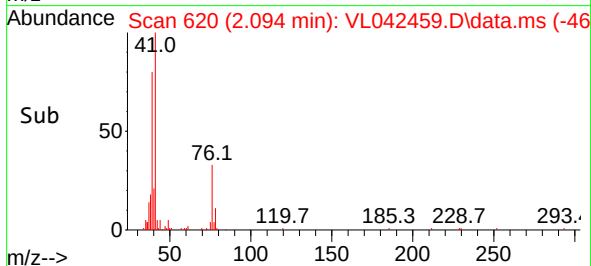
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



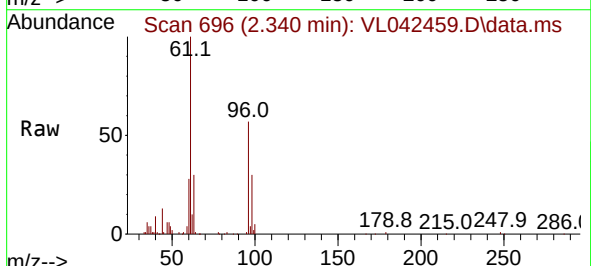
Tgt Ion: 41 Resp: 17050
 Ion Ratio Lower Upper
 41 100
 76 25.8 19.6 29.4
 39 79.8 61.0 91.4

Manual Integrations
 APPROVED

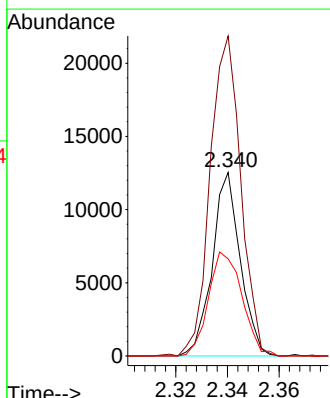
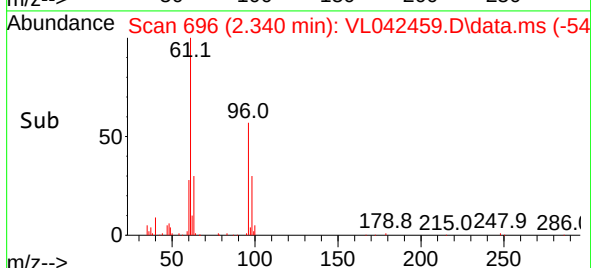
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

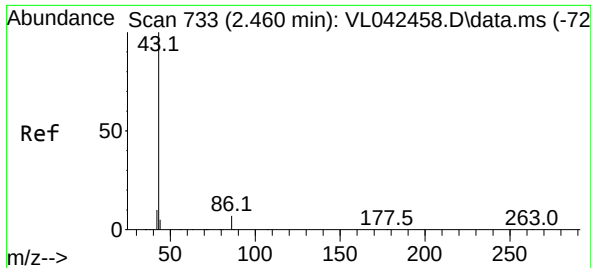


#22
 trans-1,2-Dichloroethene
 Concen: 1.940 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37



Tgt Ion: 96 Resp: 9444
 Ion Ratio Lower Upper
 96 100
 61 174.3 141.8 212.6
 98 52.9 45.0 67.6





#23
 Vinyl Acetate
 Concen: 2.128 ppbv
 RT: 2.463 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

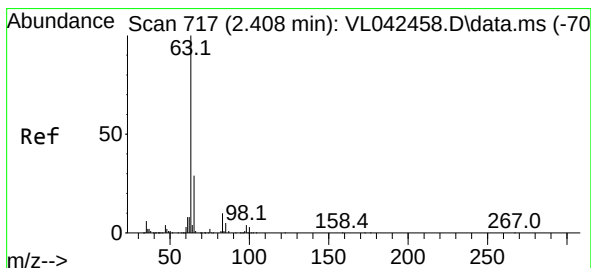
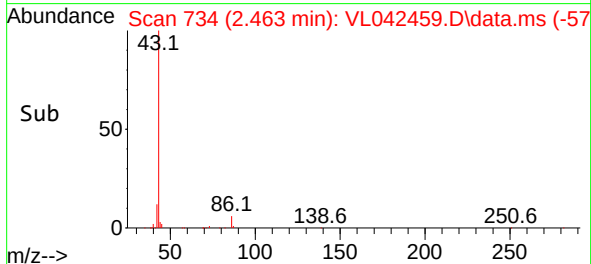
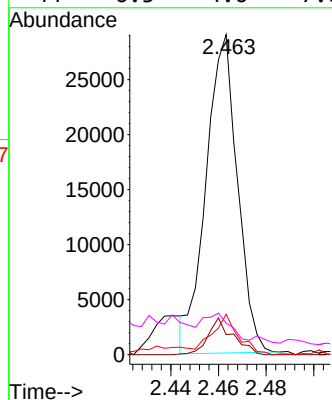
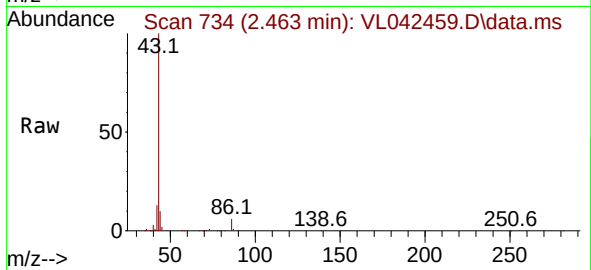
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 2650

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.5	8.3
42	11.6	8.3	12.5
44	6.3	4.6	7.0

Manual Integrations
 APPROVED

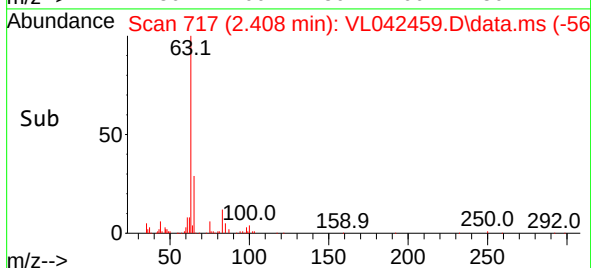
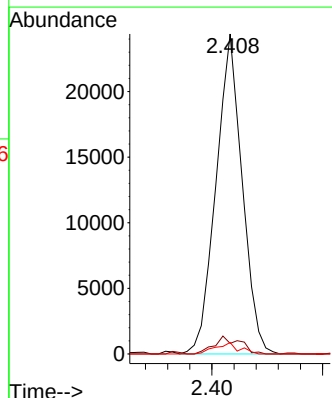
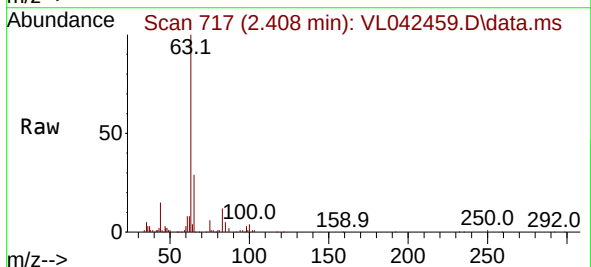
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

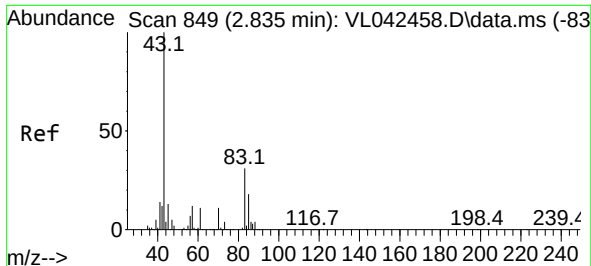


#24
 1,1-Dichloroethane
 Concen: 2.016 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

Tgt Ion: 63 Resp: 20027

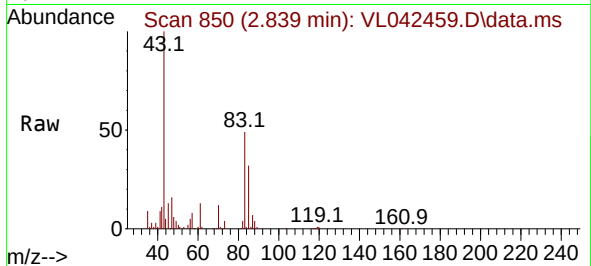
Ion	Ratio	Lower	Upper
63	100		
98	3.3	1.8	5.5
100	3.6	1.4	4.2





#25
Ethyl Acetate
Concen: 2.015 ppbv
RT: 2.839 min Scan# 849
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

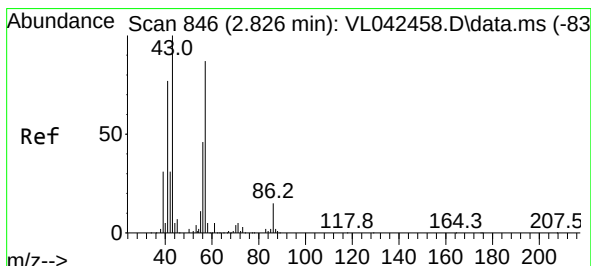
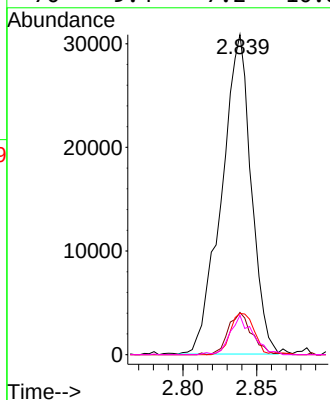
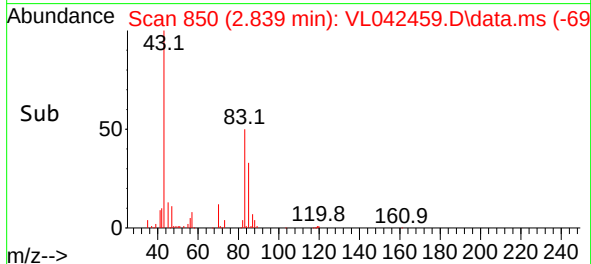
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



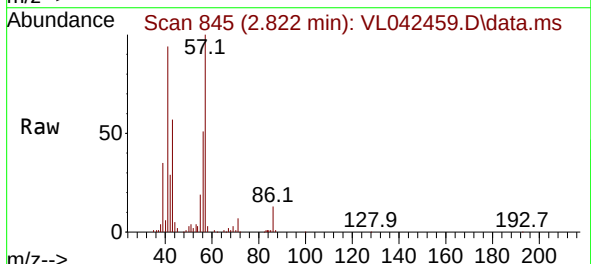
Tgt Ion: 43 Resp: 4312
Ion Ratio Lower Upper
43 100
45 10.7 7.8 11.6
61 10.6 7.2 10.8
70 9.4 7.2 10.8

Manual Integrations
APPROVED

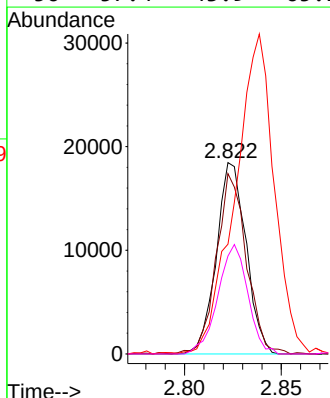
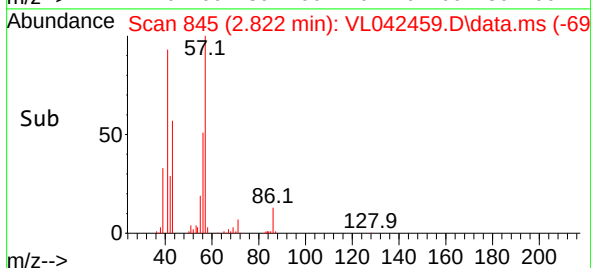
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

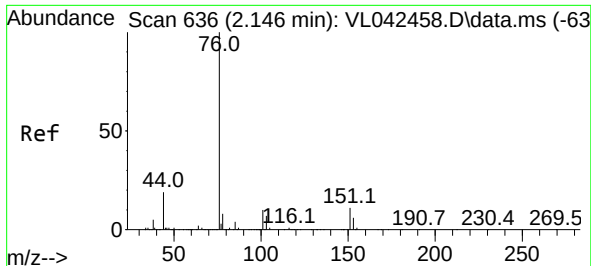


#26
Hexane
Concen: 2.112 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion: 57 Resp: 19691
Ion Ratio Lower Upper
57 100
41 95.1 77.8 116.8
43 223.3 187.0 280.6
56 57.4 43.9 65.9





#27

Carbon Disulfide

Concen: 2.017 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

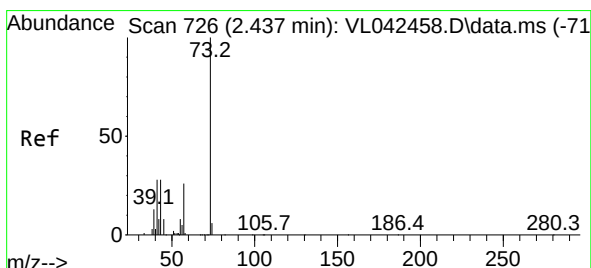
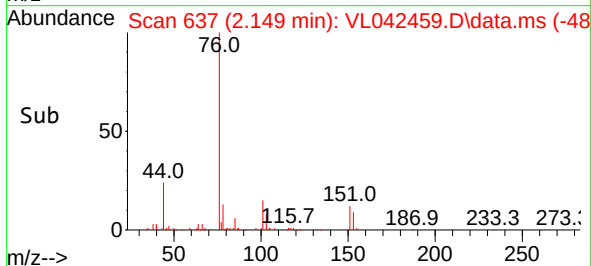
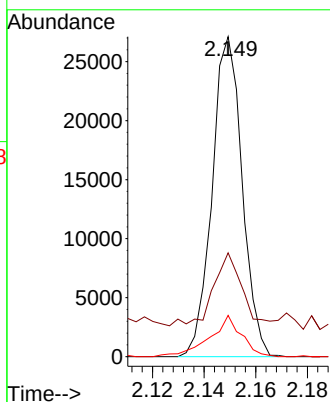
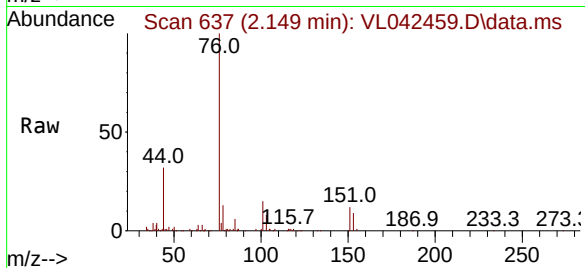
Tgt Ion: 76 Resp: 2194

Ion	Ratio	Lower	Upper
76	100		
44	66.1	21.0	31.6
78	13.6	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#28

Methyl tert-Butyl Ether

Concen: 1.985 ppbv

RT: 2.441 min Scan# 727

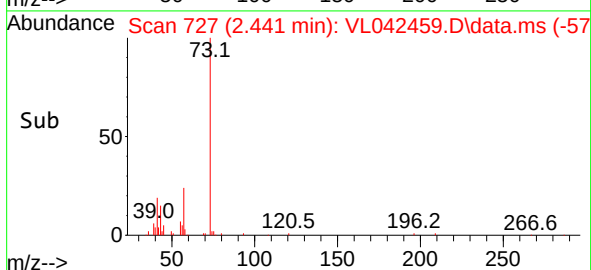
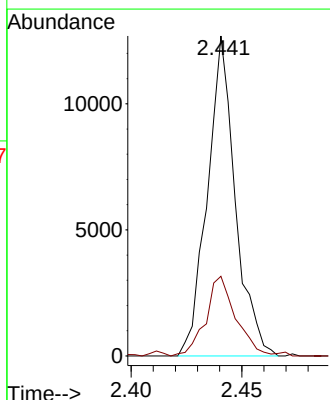
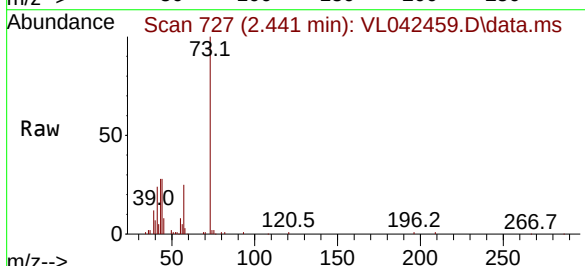
Delta R.T. 0.003 min

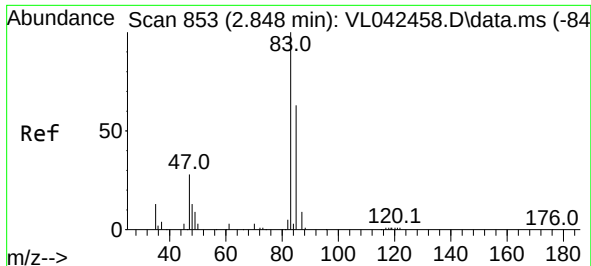
Lab File: VL042459.D

Acq: 01 May 2025 09:37

Tgt Ion: 73 Resp: 11119

Ion	Ratio	Lower	Upper
73	100		
57	28.0	19.9	29.9





#29

Chloroform

Concen: 2.010 ppbv

RT: 2.848 min Scan# 853

Delta R.T. -0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 83 Resp: 3512

Ion Ratio Lower Upper

83 100

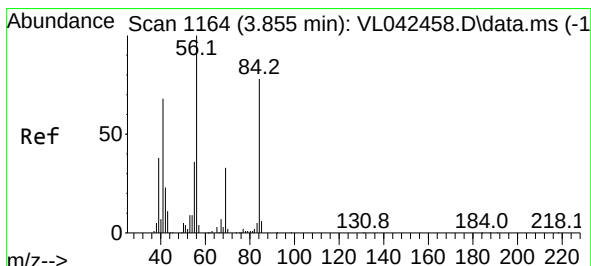
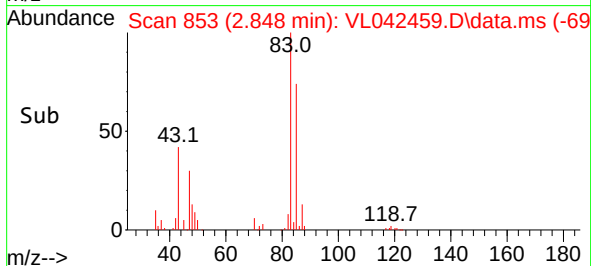
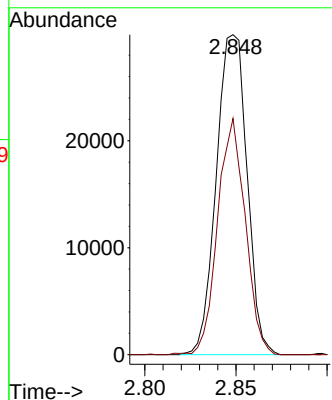
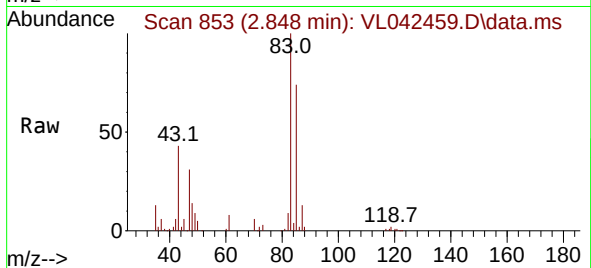
85 73.8 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#30

Cyclohexane

Concen: 2.060 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

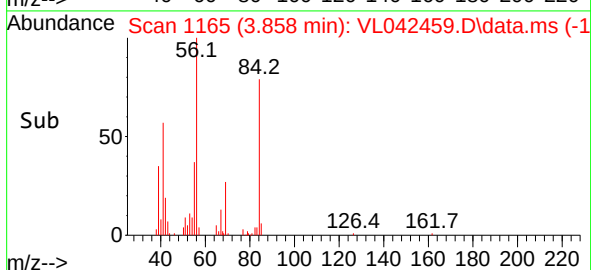
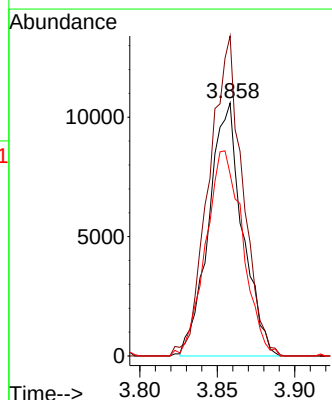
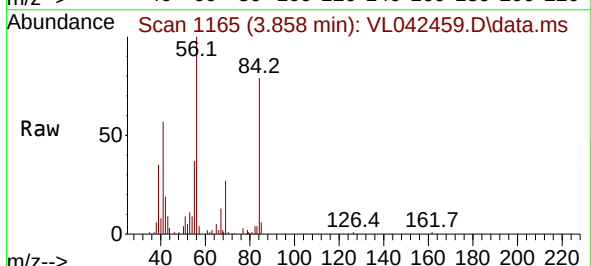
Tgt Ion: 84 Resp: 16056

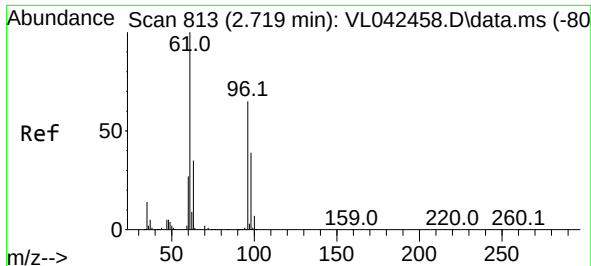
Ion Ratio Lower Upper

84 100

56 126.5 98.1 147.1

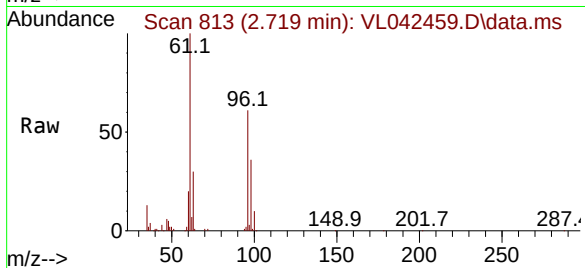
41 88.7 65.8 98.8





#31
 cis-1,2-Dichloroethene
 Concen: 2.079 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

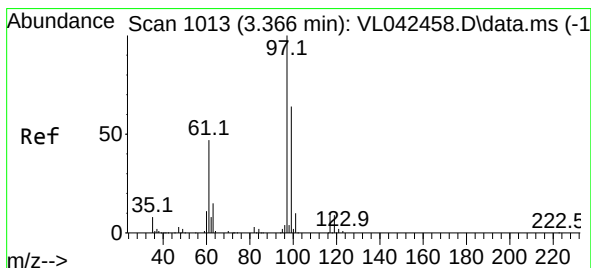
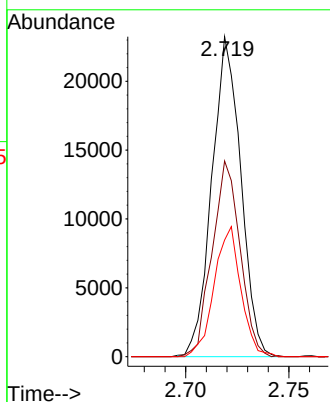
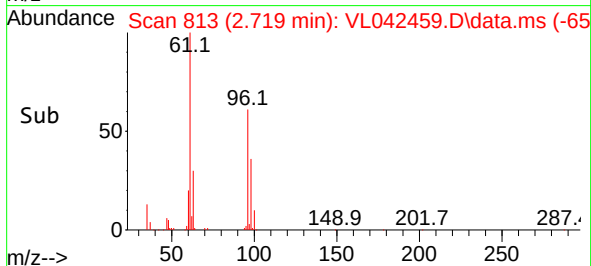
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



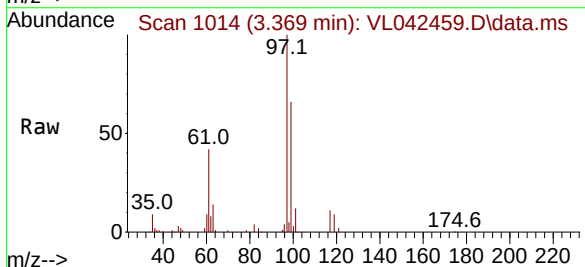
Tgt Ion: 61 Resp: 22619
 Ion Ratio Lower Upper
 61 100
 96 61.1 52.0 78.0
 98 36.5 31.0 46.6

Manual Integrations
 APPROVED

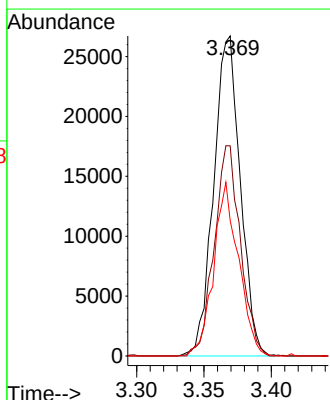
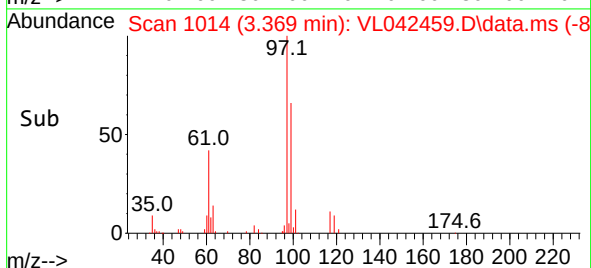
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

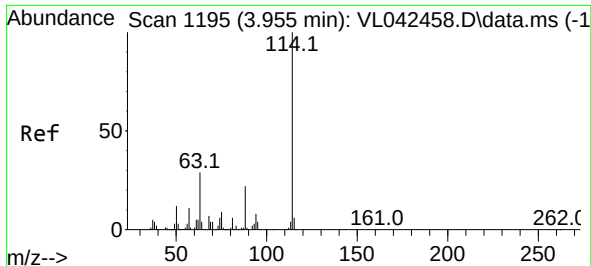


#32
 1,1,1-Trichloroethane
 Concen: 1.940 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.003 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37



Tgt Ion: 97 Resp: 36768
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.7 76.1
 61 50.8 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: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

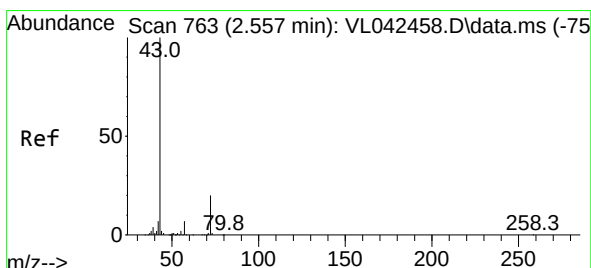
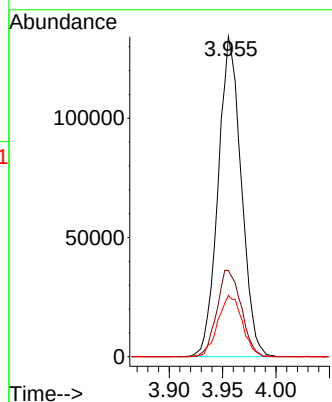
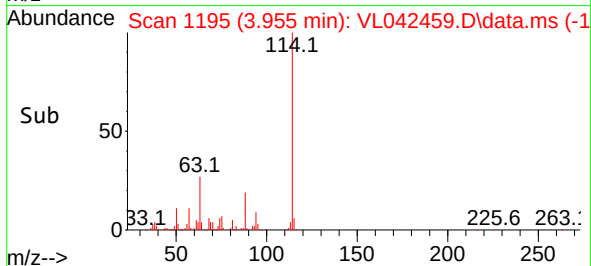
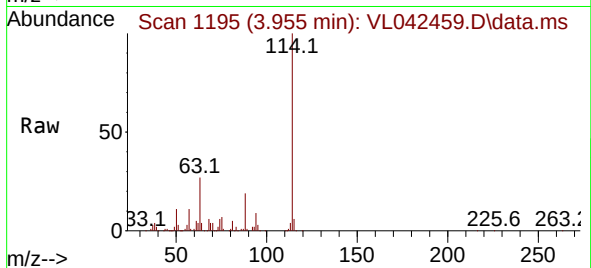
VSTDIC002

Tgt Ion:114	Resp: 20195
Ion Ratio	Lower Upper
114 100	
63 28.5	23.1 34.7
88 20.2	16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#34

2-Butanone

Concen: 2.139 ppbv

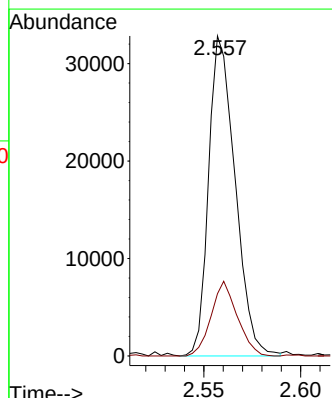
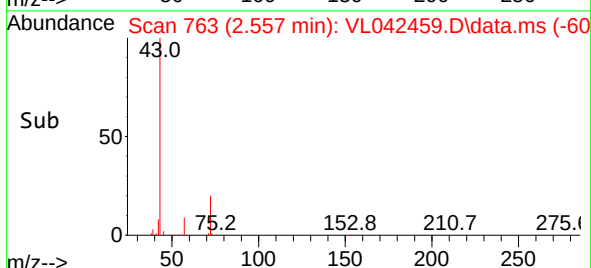
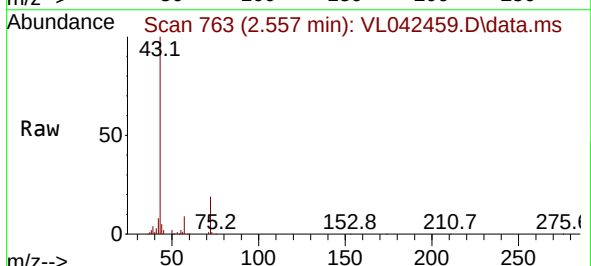
RT: 2.557 min Scan# 763

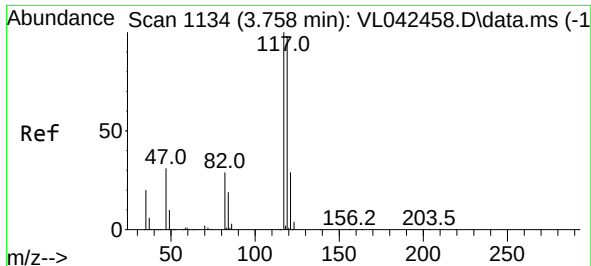
Delta R.T. -0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

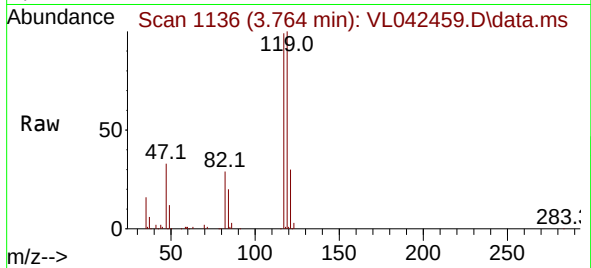
Tgt Ion: 43	Resp: 31242
Ion Ratio	Lower Upper
43 100	
72 23.2	16.7 25.1





#35
Carbon Tetrachloride
Concen: 2.011 ppbv
RT: 3.764 min Scan# 1134
Delta R.T. 0.006 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

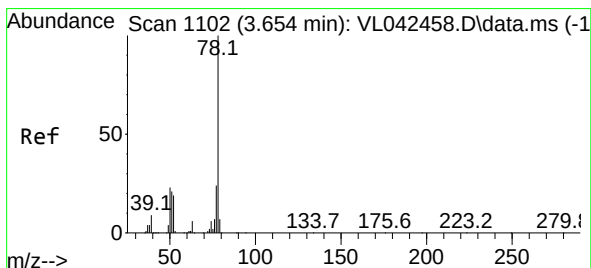
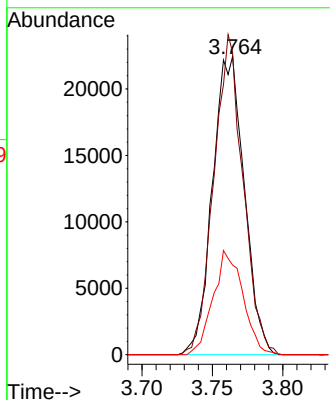
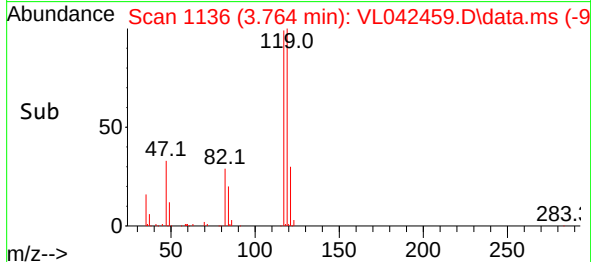
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



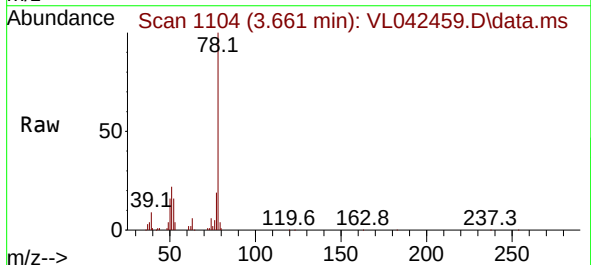
Tgt Ion: 117 Resp: 35320
Ion Ratio Lower Upper
117 100
119 101.3 78.1 117.1
121 30.0 23.0 34.6

Manual Integrations
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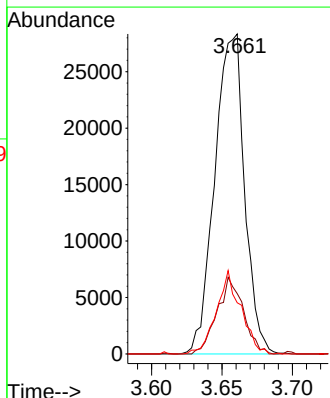
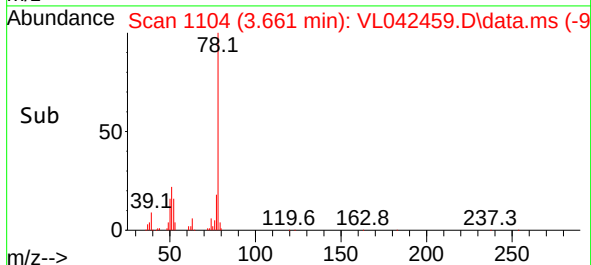
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

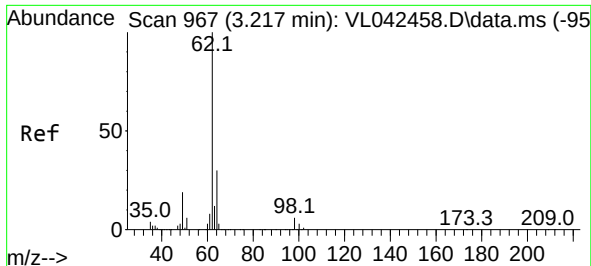


#36
Benzene
Concen: 2.196 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



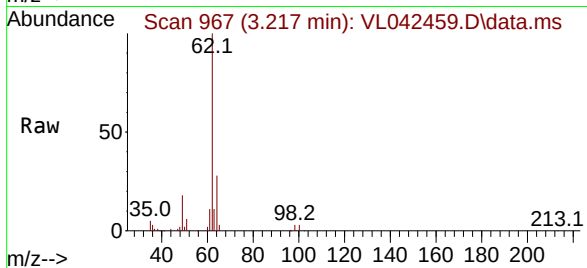
Tgt Ion: 78 Resp: 41848
Ion Ratio Lower Upper
78 100
77 18.9 18.9 28.3#
50 16.0 18.4 27.6#





#37
1,2-Dichloroethane
Concen: 2.114 ppbv
RT: 3.217 min Scan# 967
Delta R.T. 0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

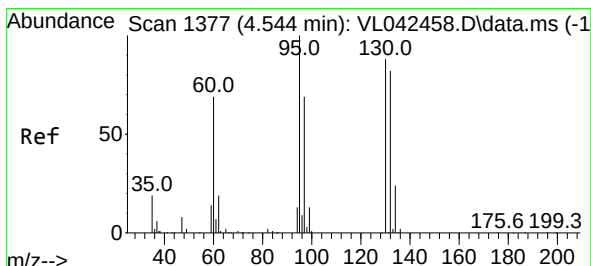
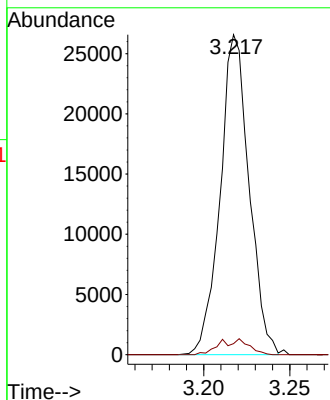
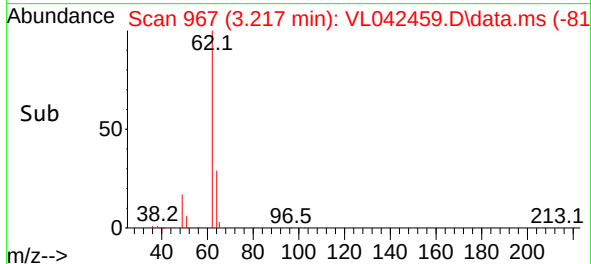
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



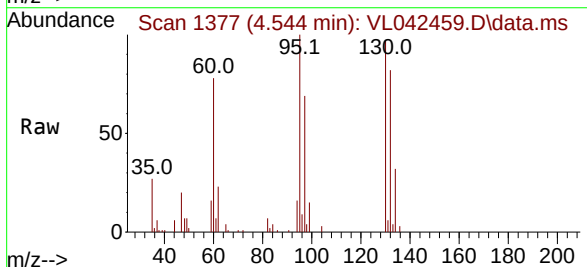
Tgt Ion: 62 Resp: 31049
Ion Ratio Lower Upper
62 100
98 5.0 4.3 6.5

Manual Integrations
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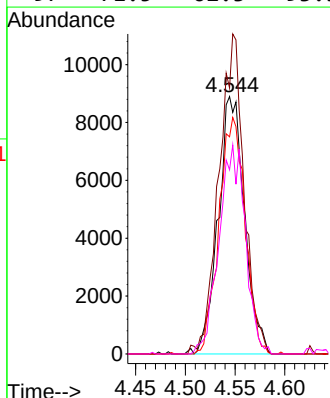
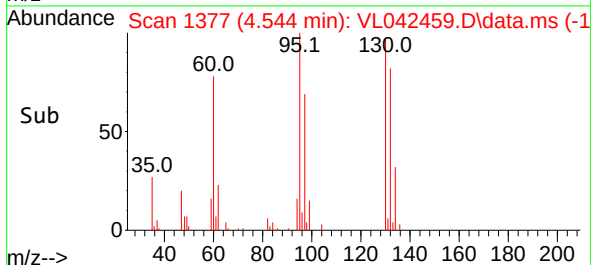
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

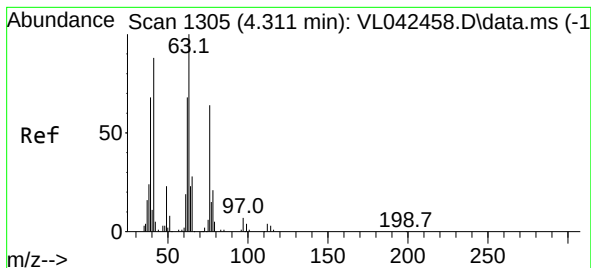


#38
Trichloroethene
Concen: 2.244 ppbv m
RT: 4.544 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion:130 Resp: 16311
Ion Ratio Lower Upper
130 100
95 103.3 91.0 136.4
132 84.3 74.2 111.4
97 71.5 62.3 93.5





#39

1,2-Dichloropropane

Concen: 2.047 ppbv

RT: 4.311 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

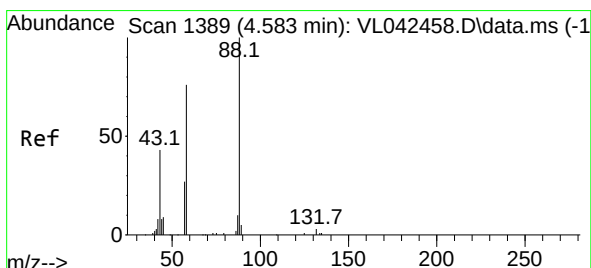
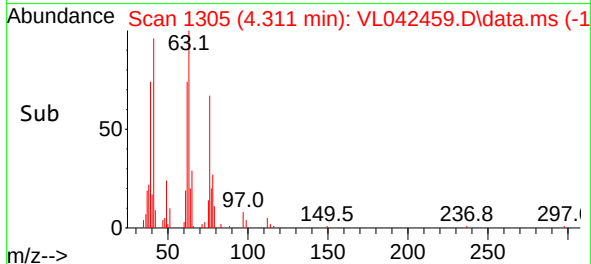
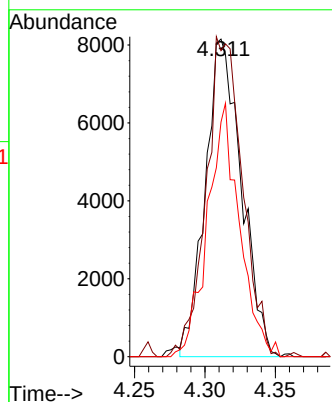
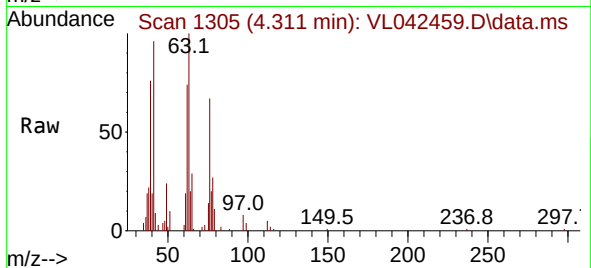
VSTDICC002

Tgt Ion: 63	Resp: 1461
Ion Ratio	Lower Upper
63 100	
41 96.4	69.8 104.6
62 73.9	54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#40

1,4-Dioxane

Concen: 2.096 ppbv m

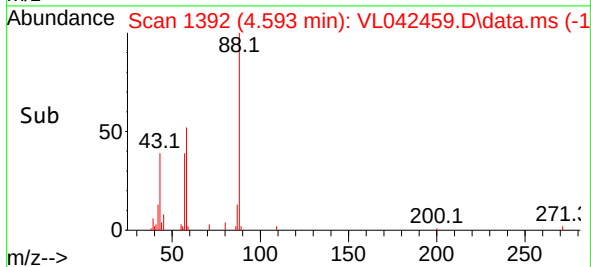
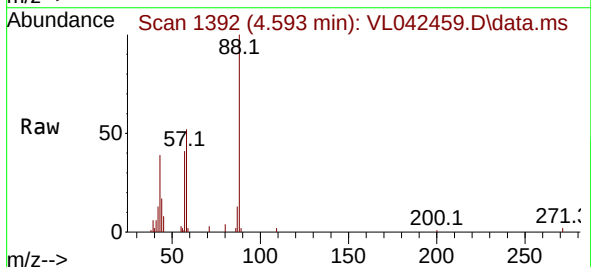
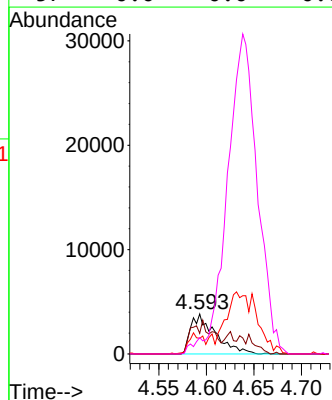
RT: 4.593 min Scan# 1392

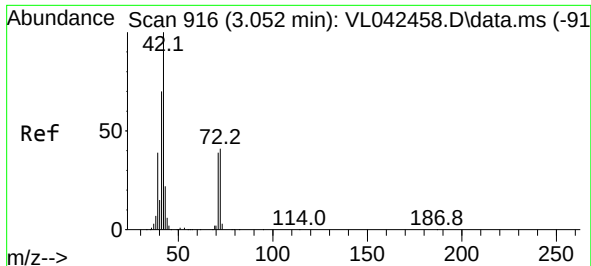
Delta R.T. 0.010 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

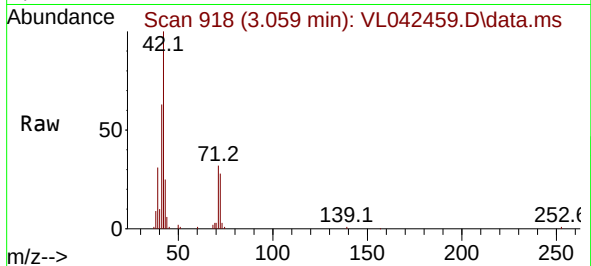
Tgt Ion: 88	Resp: 6957
Ion Ratio	Lower Upper
88 100	
58 120.3	0.0 0.0#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 2.258 ppbv m
RT: 3.059 min Scan# 916
Delta R.T. 0.006 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

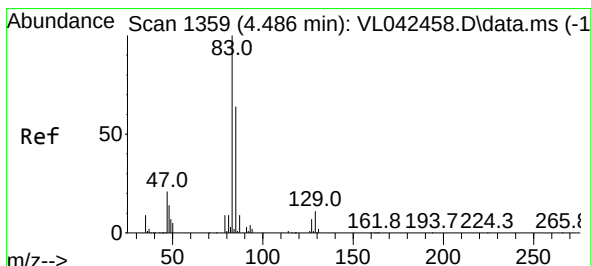
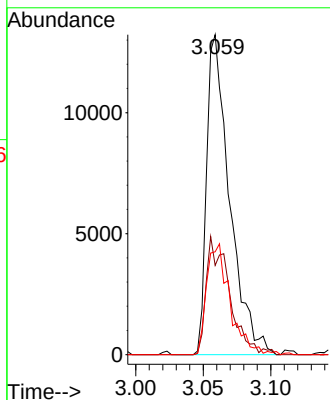
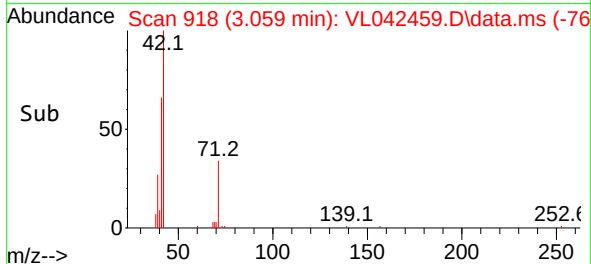
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



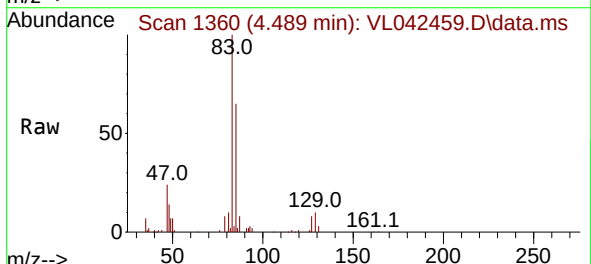
Tgt Ion: 42 Resp: 1564
Ion Ratio Lower Upper
42 100
72 37.3 33.5 50.3
71 35.5 32.6 49.0

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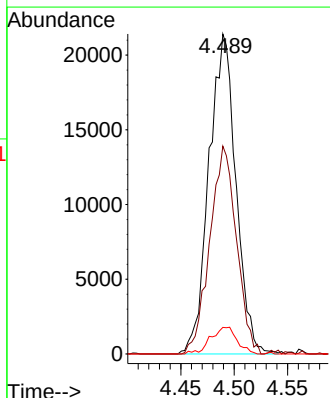
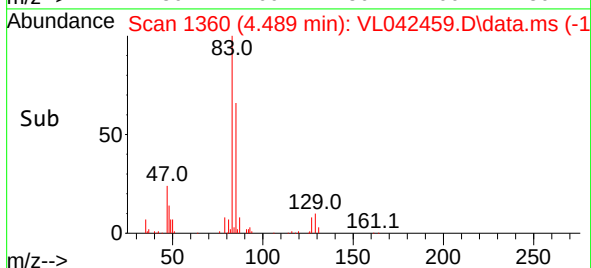
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

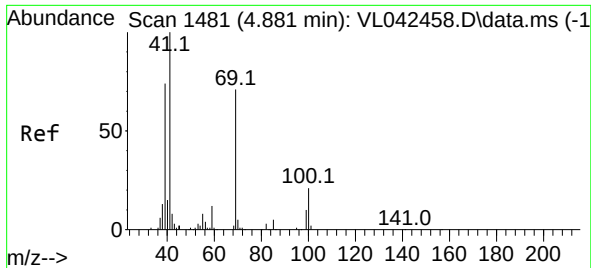


#42
Bromodichloromethane
Concen: 2.096 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion: 83 Resp: 37615
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3
127 8.3 5.4 8.2#





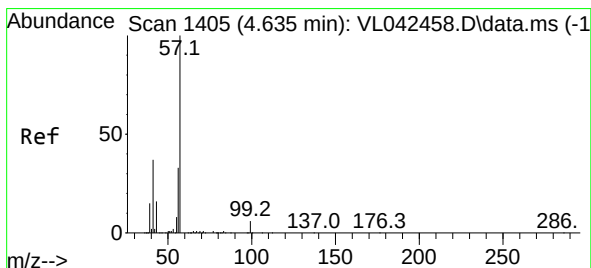
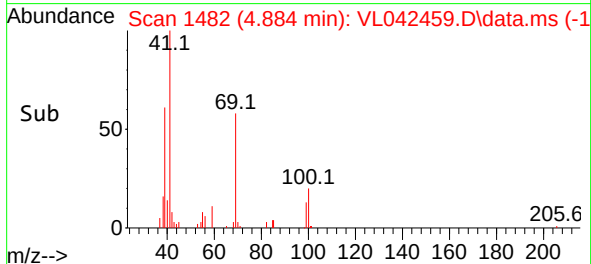
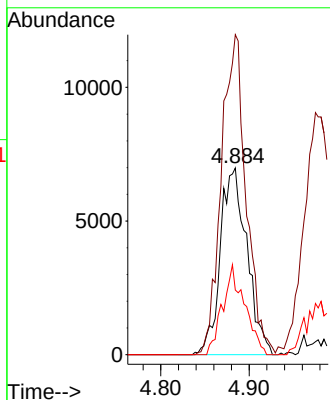
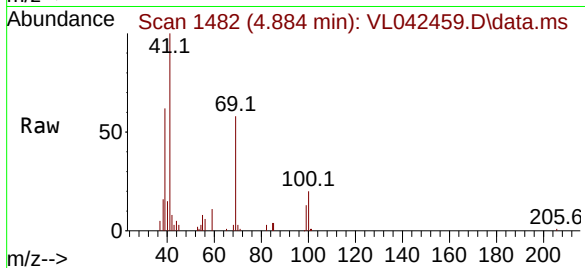
#43
Methyl Methacrylate
Concen: 2.059 ppbv m
RT: 4.884 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 14610
Ion Ratio Lower Upper
69 100
41 160.3 120.8 181.2
100 40.0 26.7 40.1

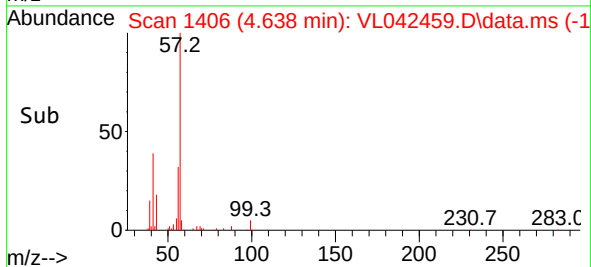
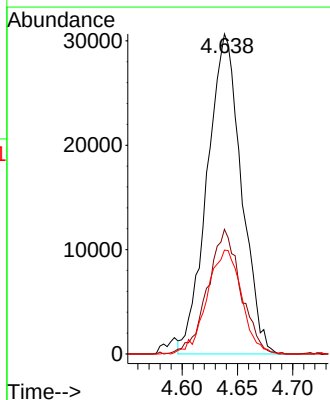
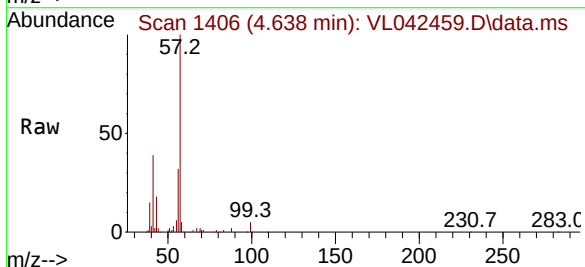
Manual Integrations
APPROVED

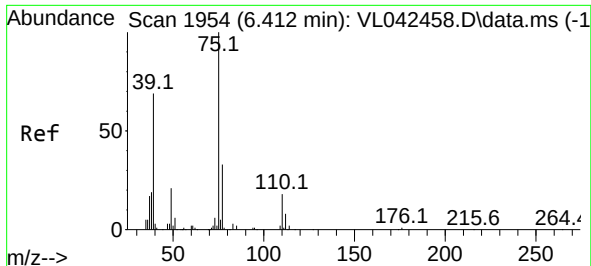
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#44
2,2,4-Trimethylpentane
Concen: 2.142 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Tgt Ion: 57 Resp: 65967
Ion Ratio Lower Upper
57 100
41 37.8 30.6 45.8
56 32.7 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 1.987 ppbv m

RT: 6.409 min Scan# 1954

Delta R.T. -0.003 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 75 Resp: 18560

Ion Ratio Lower Upper

75 100

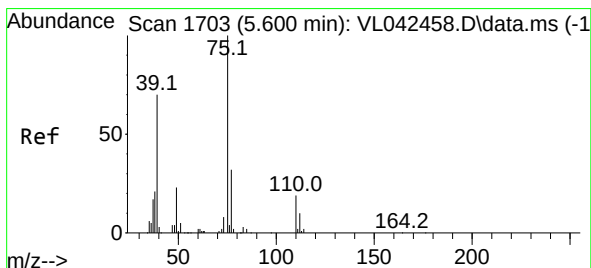
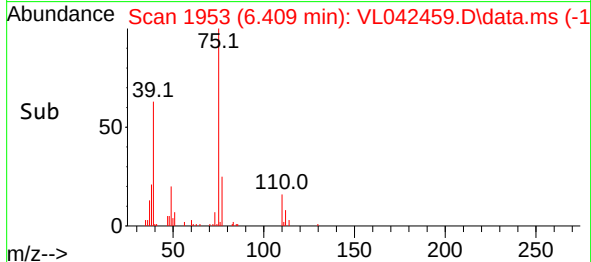
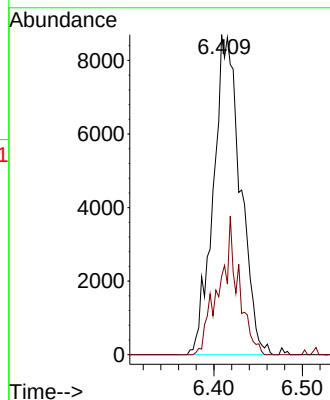
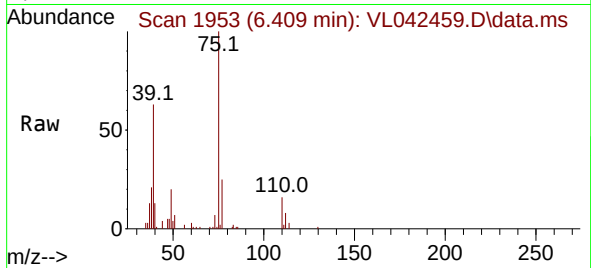
77 24.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#46

cis-1,3-Dichloropropene

Concen: 2.000 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

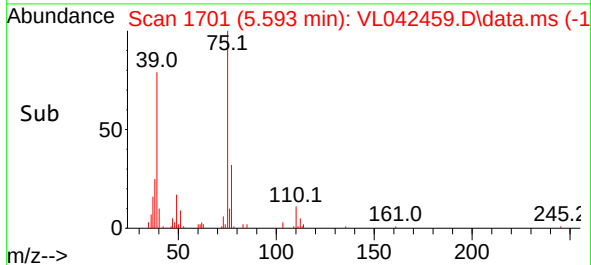
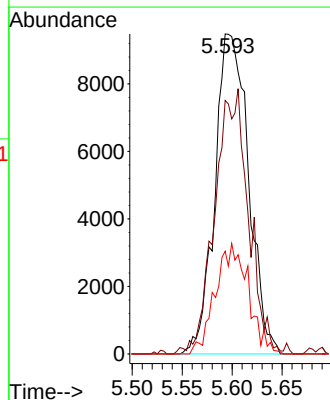
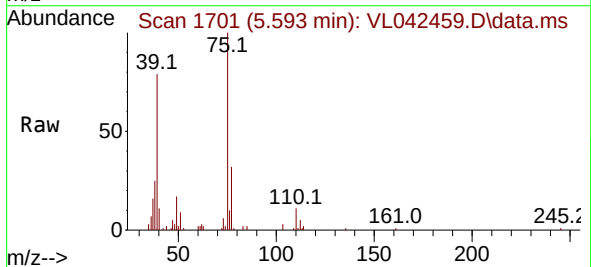
Tgt Ion: 75 Resp: 22184

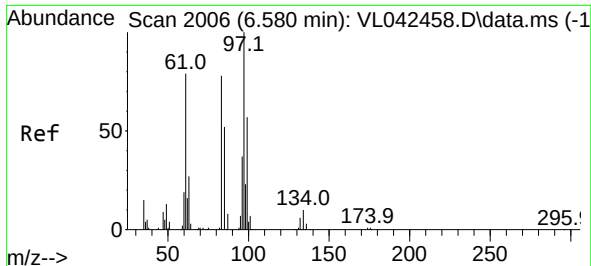
Ion Ratio Lower Upper

75 100

39 78.3 55.7 83.5

77 32.1 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 2.212 ppbv m

RT: 6.587 min Scan# 2006

Delta R.T. 0.006 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 1730

Ion Ratio Lower Upper

97 100

83 88.9 62.2 93.2

85 34.0 41.5 62.3

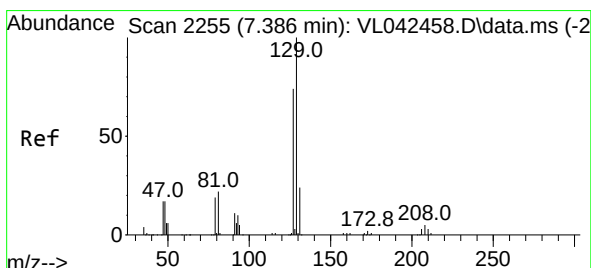
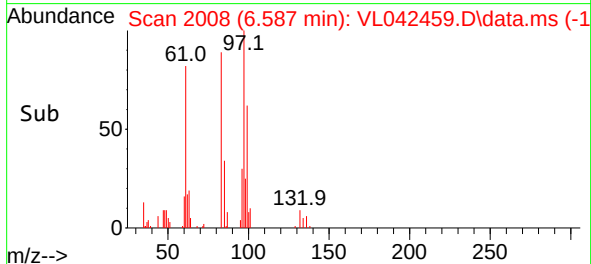
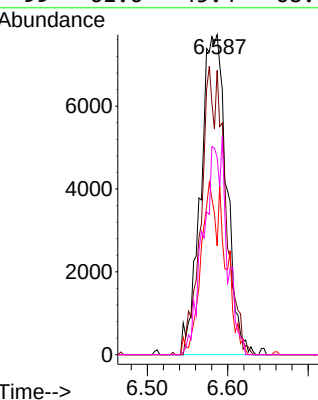
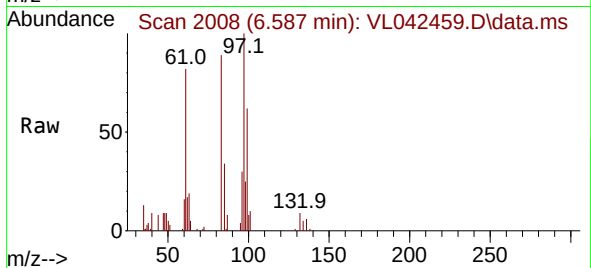
99 61.6 45.4 68.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#48

Dibromochloromethane

Concen: 2.057 ppbv

RT: 7.386 min Scan# 2255

Delta R.T. -0.000 min

Lab File: VL042459.D

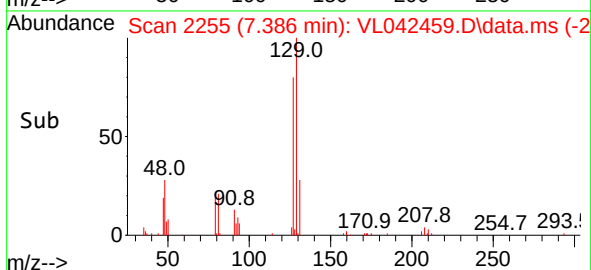
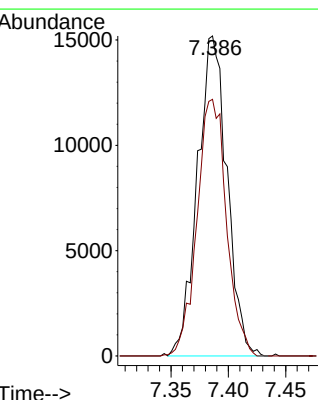
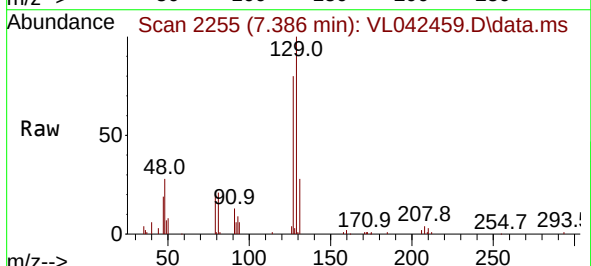
Acq: 01 May 2025 09:37

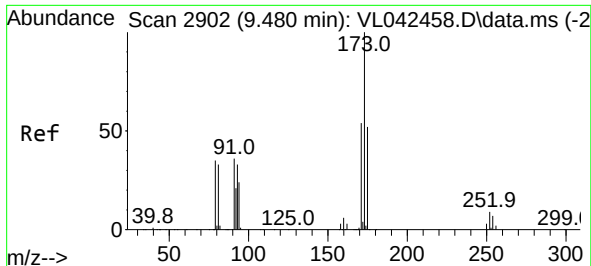
Tgt Ion:129 Resp: 27174

Ion Ratio Lower Upper

129 100

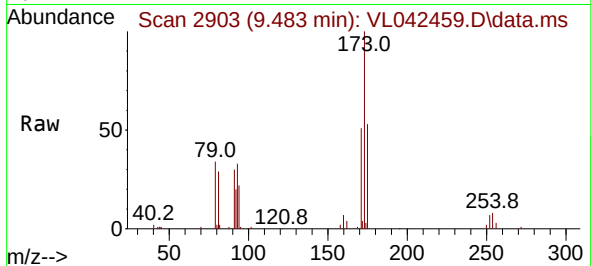
127 80.0 39.5 118.5





#49
Bromoform
Concen: 2.088 ppbv
RT: 9.483 min Scan# 2902
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

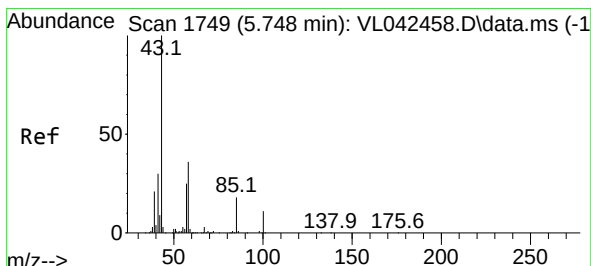
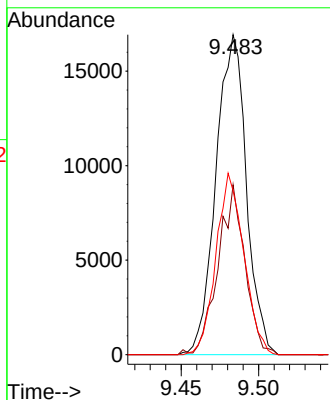
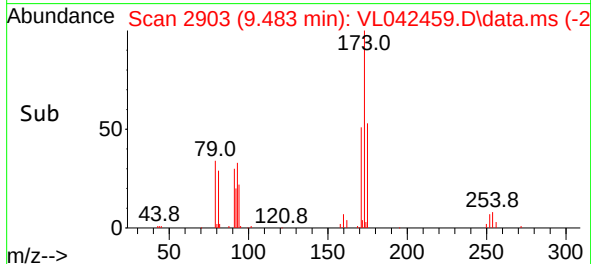
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



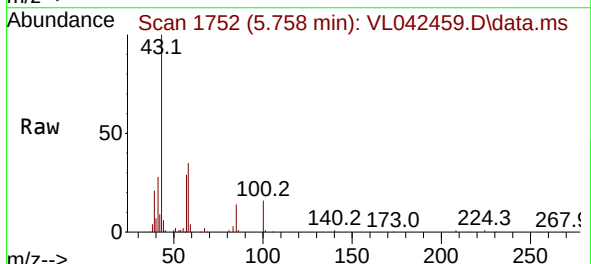
Tgt Ion: 173 Resp: 23120
Ion Ratio Lower Upper
173 100
175 47.0 38.9 58.3
171 52.0 40.6 60.8

Manual Integrations
APPROVED

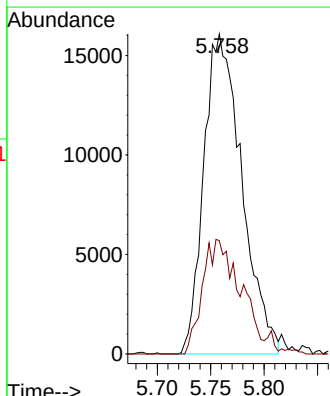
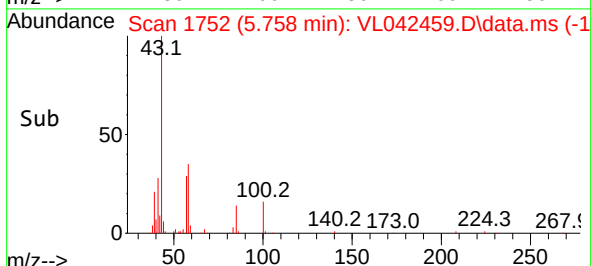
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

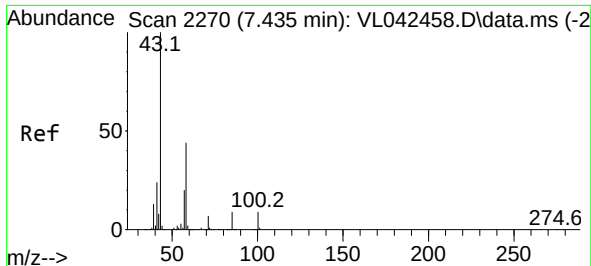


#50
4-Methyl-2-Pentanone
Concen: 2.155 ppbv
RT: 5.758 min Scan# 1752
Delta R.T. 0.010 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



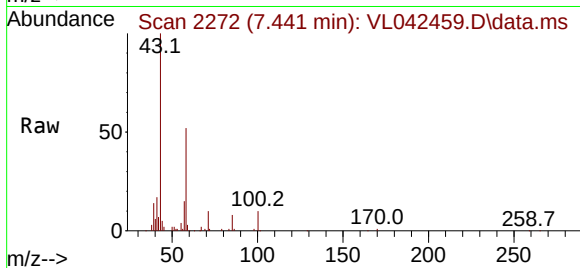
Tgt Ion: 43 Resp: 39798
Ion Ratio Lower Upper
43 100
58 37.3 29.5 44.3





#51
2-Hexanone
Concen: 2.177 ppbv
RT: 7.441 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

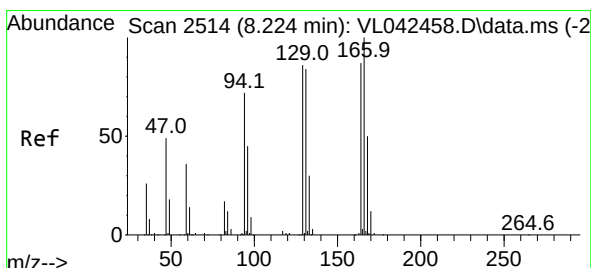
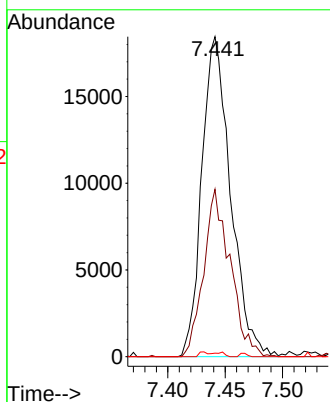
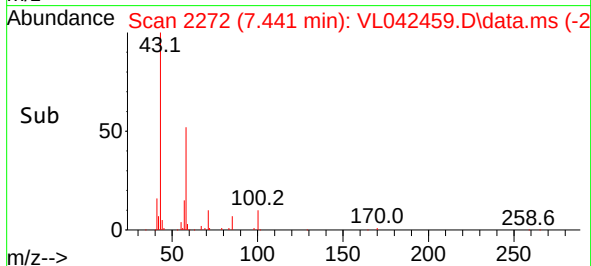
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



Tgt Ion: 43 Resp: 32190
Ion Ratio Lower Upper
43 100
58 48.3 37.2 55.8
98 1.3 0.4 0.6

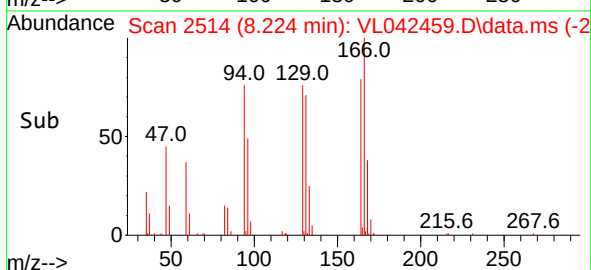
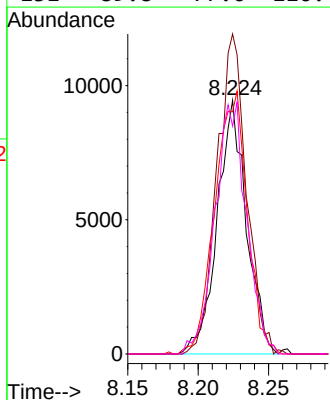
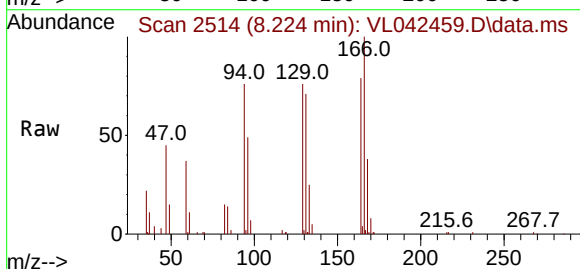
Manual Integrations
APPROVED

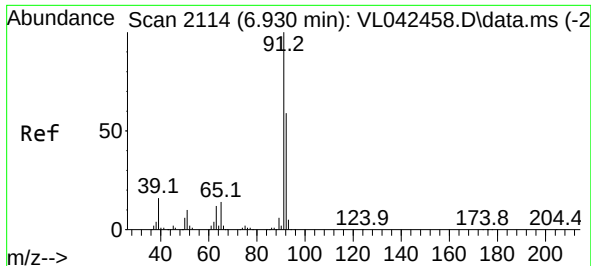
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#52
Tetrachloroethene
Concen: 1.885 ppbv
RT: 8.224 min Scan# 2514
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

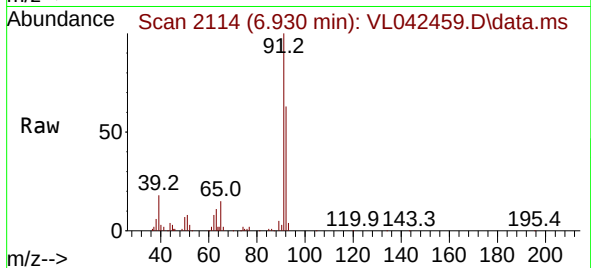
Tgt Ion:164 Resp: 13670
Ion Ratio Lower Upper
164 100
166 126.2 91.6 137.4
129 95.4 79.0 118.4
131 89.8 77.6 116.4





#53
Toluene
Concen: 2.052 ppbv
RT: 6.930 min Scan# 2114
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

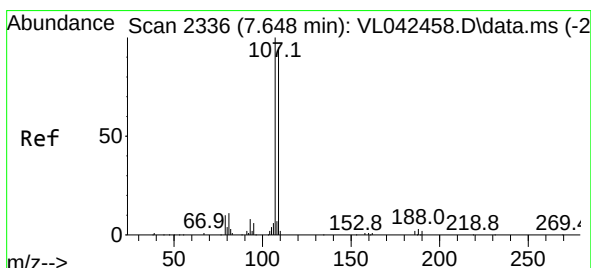
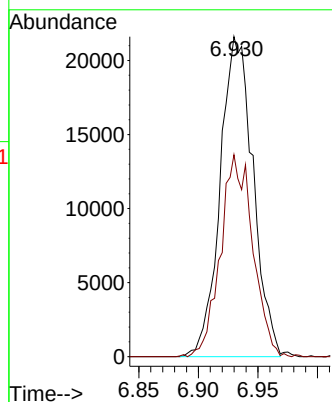
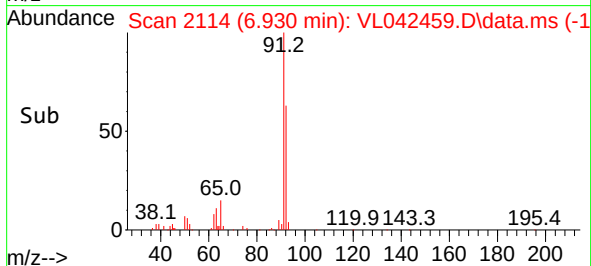
Instrument : MSVOA_L
ClientSampleId : VSTDICC002



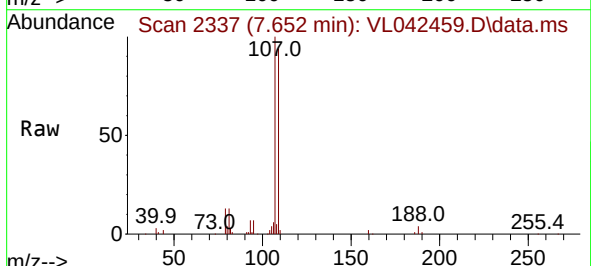
Tgt Ion: 91 Resp: 41392
Ion Ratio Lower Upper
91 100
92 61.9 47.9 71.9

Manual Integrations
APPROVED

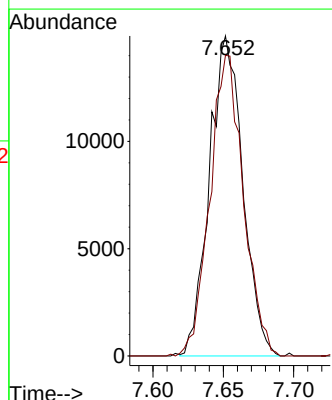
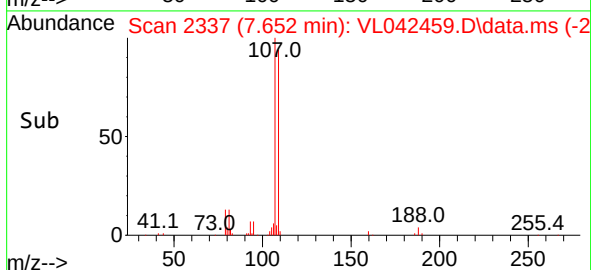
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

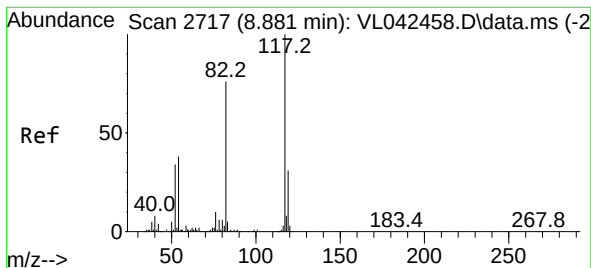


#54
1,2-Dibromoethane
Concen: 2.049 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion:107 Resp: 24650
Ion Ratio Lower Upper
107 100
109 94.0 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 2717

Delta R.T. 0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

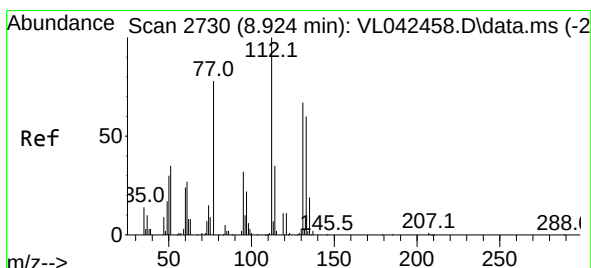
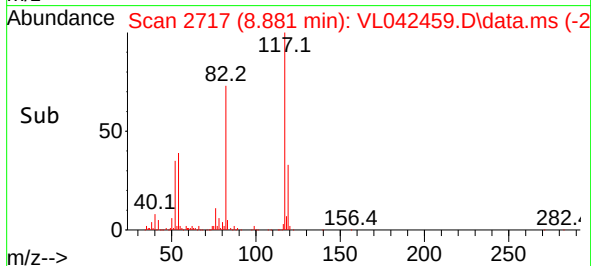
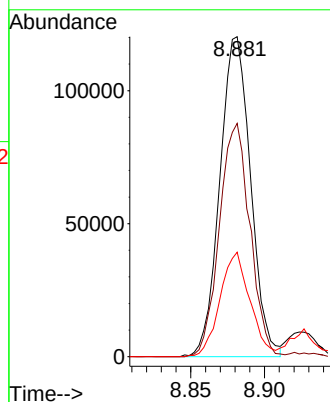
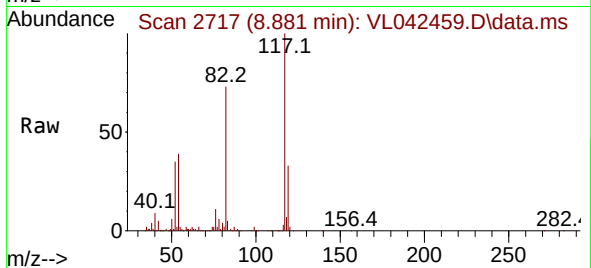
VSTDICC002

Tgt Ion:	117	Resp:	174624
Ion	Ratio	Lower	Upper
117	100		
82	73.4	63.5	95.3
119	31.9	25.8	38.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 2.019 ppbv

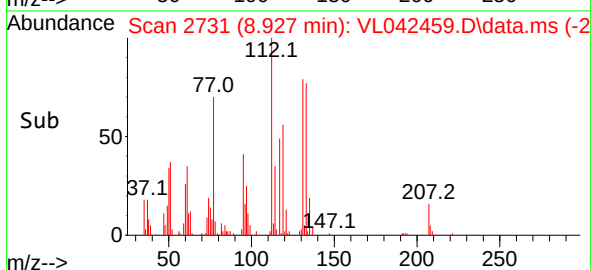
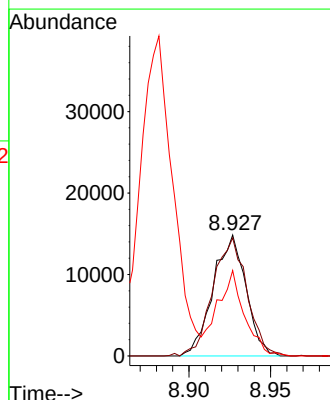
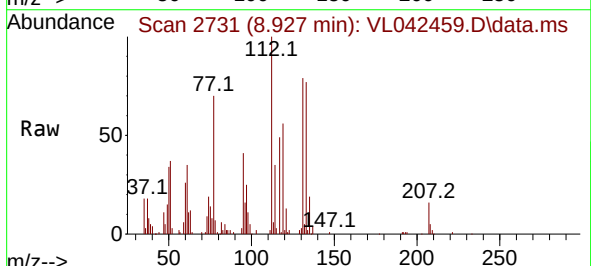
RT: 8.927 min Scan# 2731

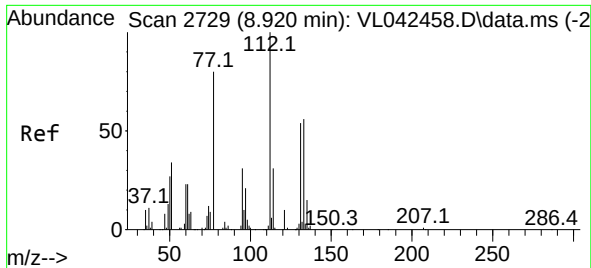
Delta R.T. 0.003 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

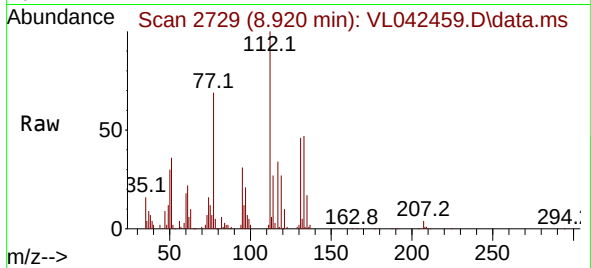
Tgt Ion:	131	Resp:	20822
Ion	Ratio	Lower	Upper
131	100		
133	101.8	76.0	114.0
119	55.4	46.1	69.1





#57
Chlorobenzene
Concen: 2.062 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

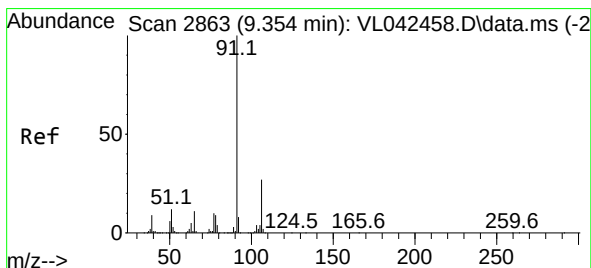
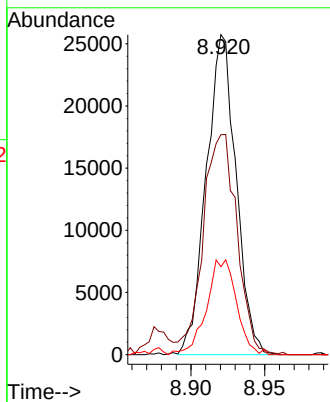
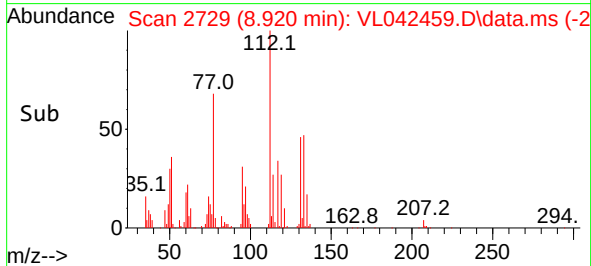
Instrument : MSVOA_L
ClientSampleId : VSTDIC002



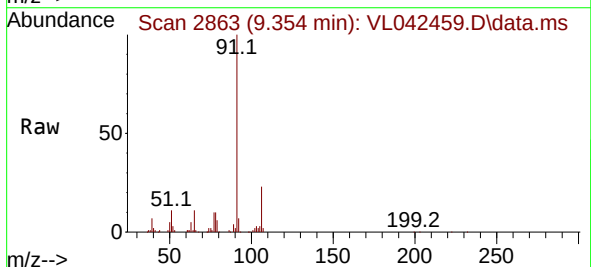
Tgt Ion: 112 Resp: 3618
Ion Ratio Lower Upper
112 100
77 68.5 65.0 97.4
114 27.5 27.5 33.7

Manual Integrations
APPROVED

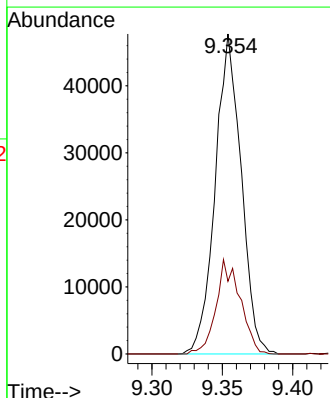
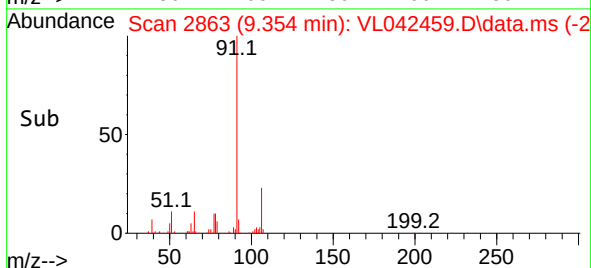
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

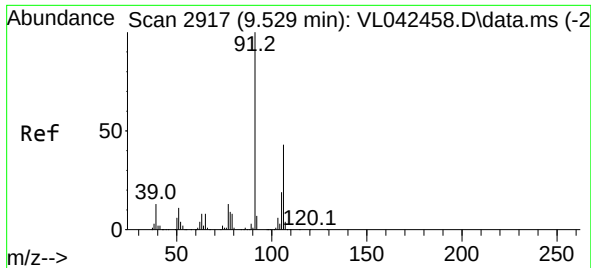


#58
Ethyl Benzene
Concen: 2.096 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion: 91 Resp: 61177
Ion Ratio Lower Upper
91 100
106 22.7 21.9 32.9





#59

m/p-Xylene

Concen: 4.299 ppbv m

RT: 9.551 min Scan# 2917

Delta R.T. 0.023 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 91 Resp: 10518

Ion Ratio Lower Upper

91 100

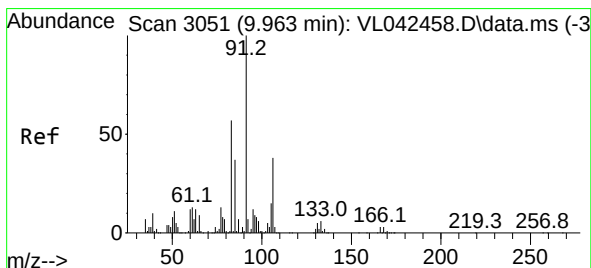
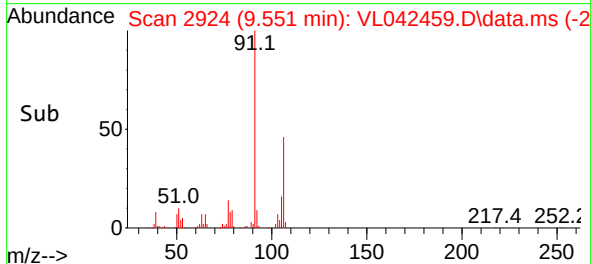
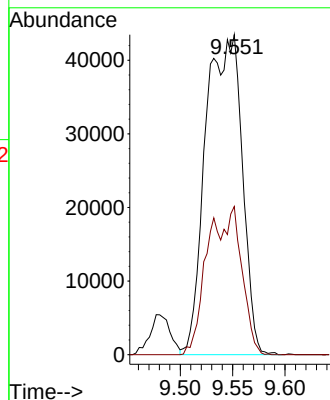
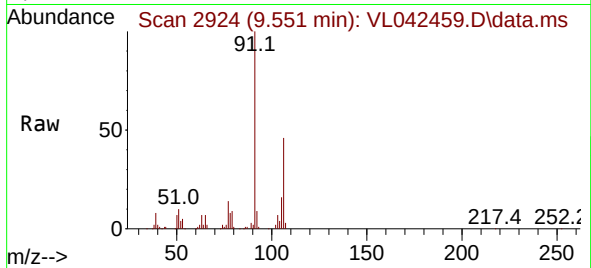
106 0.0 34.2 51.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#60

o-Xylene

Concen: 2.169 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042459.D

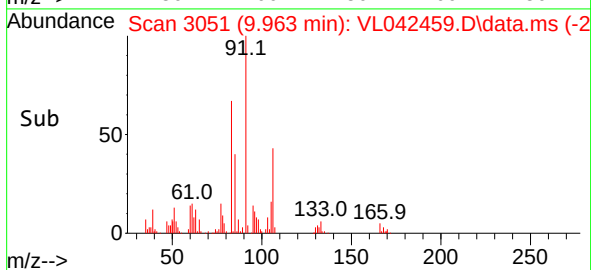
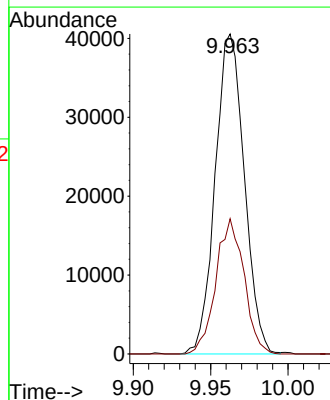
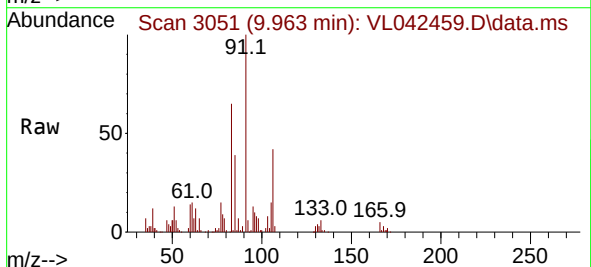
Acq: 01 May 2025 09:37

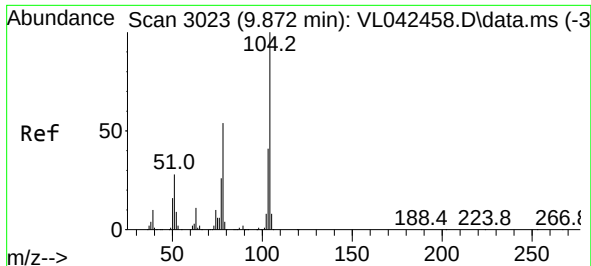
Tgt Ion: 91 Resp: 53051

Ion Ratio Lower Upper

91 100

106 40.7 20.1 60.2





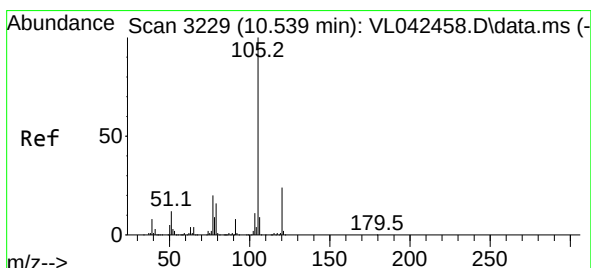
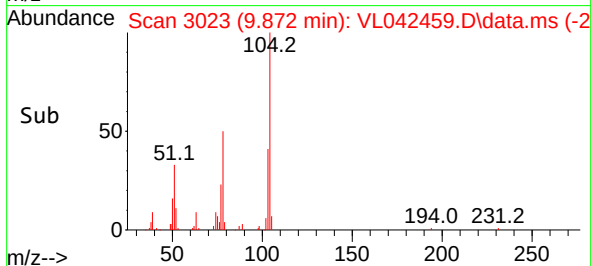
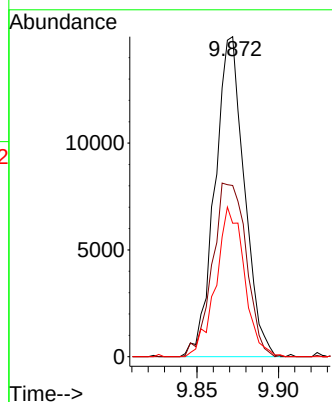
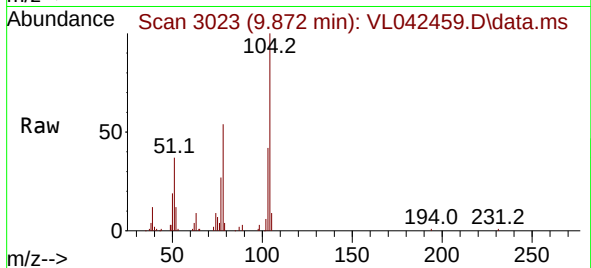
#61
Styrene
Concen: 2.054 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion:104 Resp: 18770
Ion Ratio Lower Upper
104 100
78 62.1 46.9 70.3
103 45.4 36.6 55.0

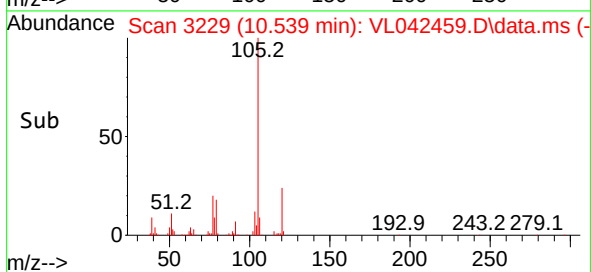
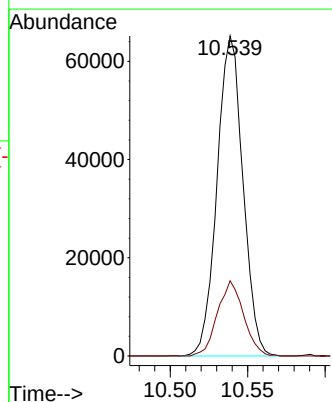
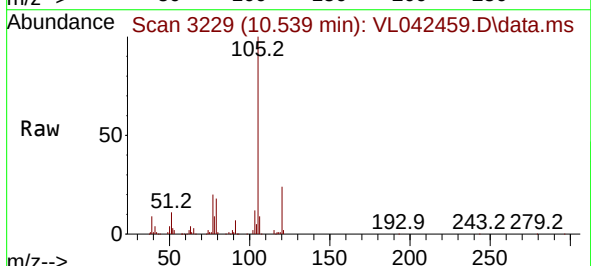
Manual Integrations
APPROVED

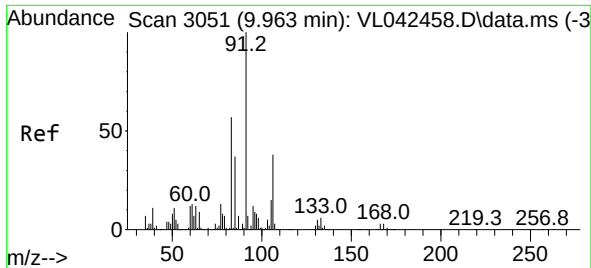
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#62
Isopropylbenzene
Concen: 2.140 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Tgt Ion:105 Resp: 75626
Ion Ratio Lower Upper
105 100
120 23.8 18.8 28.2





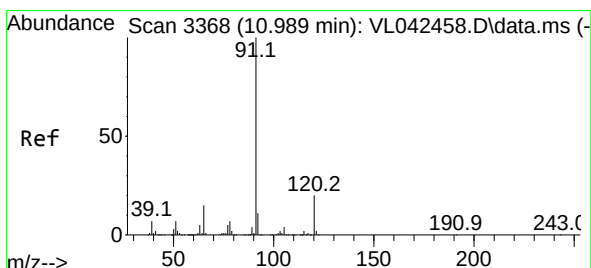
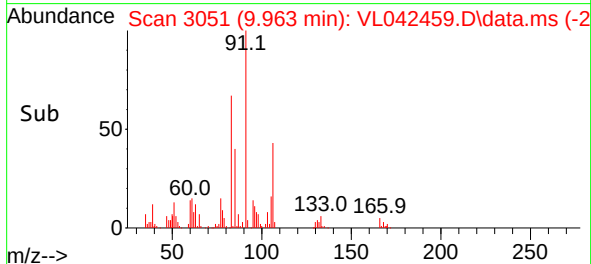
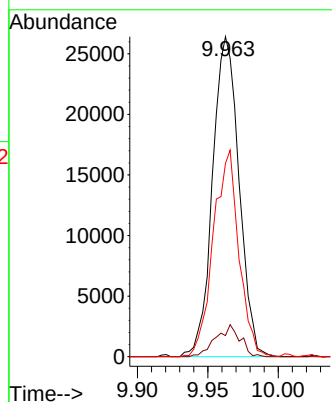
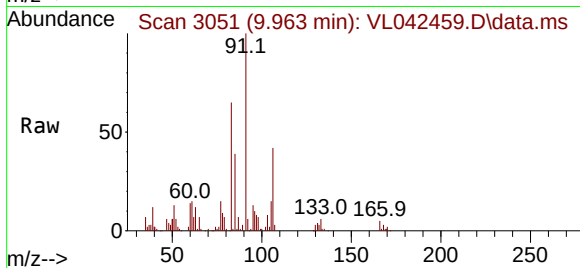
#63
1,1,2,2-Tetrachloroethane
Concen: 2.178 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Instrument : MSVOA_L
ClientSampleId : VSTDIC002

Tgt Ion: 83 Resp: 34562
Ion Ratio Lower Upper
83 100
131 9.2 4.7 14.1
85 62.8 32.5 97.4

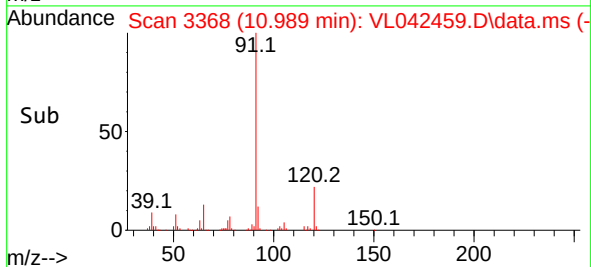
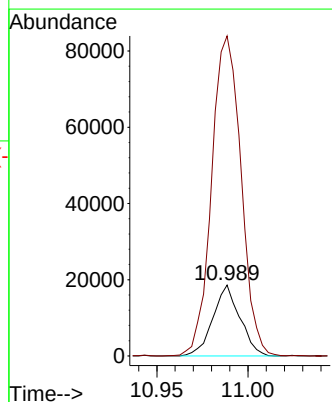
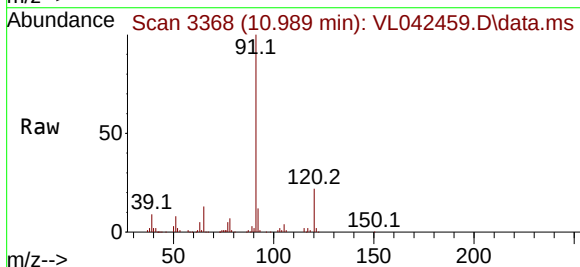
Manual Integrations
APPROVED

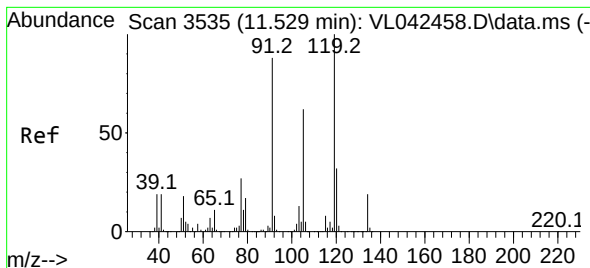
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#64
n-propylbenzene
Concen: 2.226 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

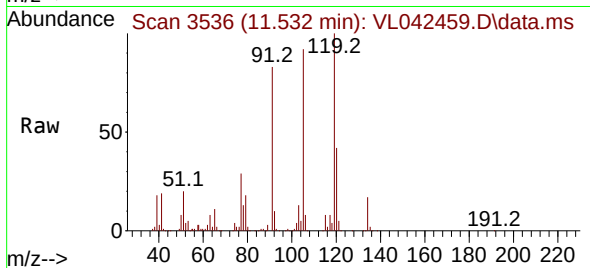
Tgt Ion:120 Resp: 19160
Ion Ratio Lower Upper
120 100
91 493.2 408.6 612.8





#65
tert-Butylbenzene
Concen: 2.246 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

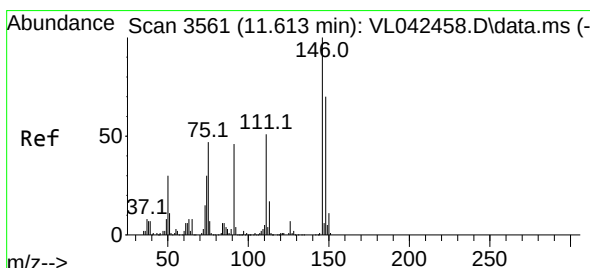
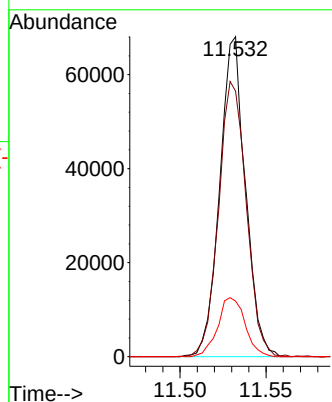
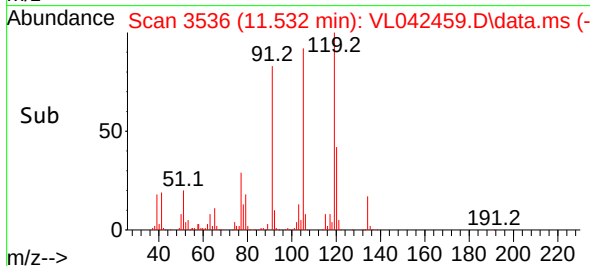
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002



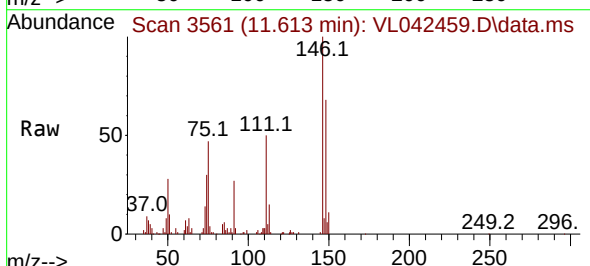
Tgt Ion: 119 Resp: 7081
Ion Ratio Lower Upper
119 100
91 92.3 71.6 107.4
134 19.6 15.0 22.4

Manual Integrations
APPROVED

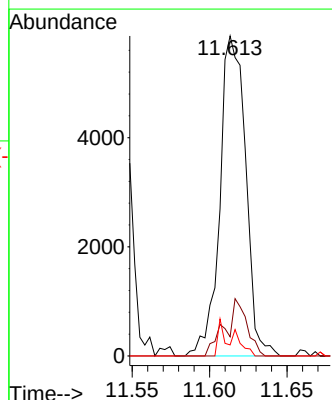
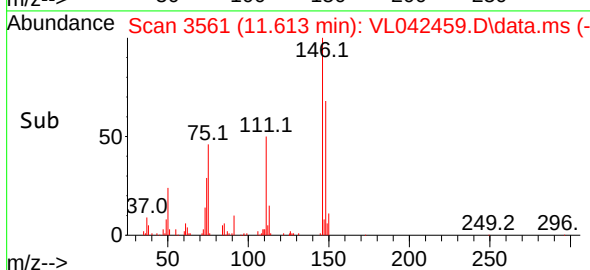
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

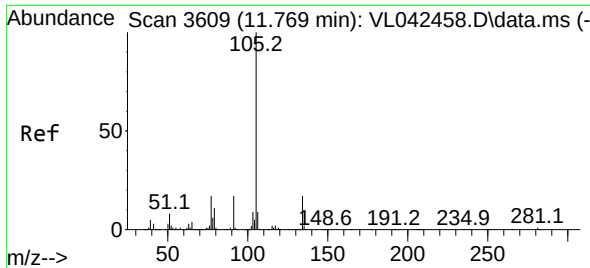


#66
Benzyl Chloride
Concen: 1.864 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



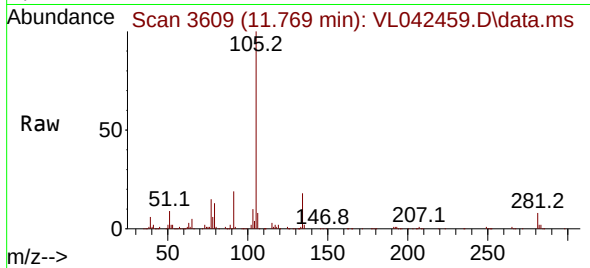
Tgt Ion: 91 Resp: 6794
Ion Ratio Lower Upper
91 100
126 15.1 13.3 19.9
128 6.0 4.2 6.4





#67
 sec-Butylbenzene
 Concen: 2.264 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

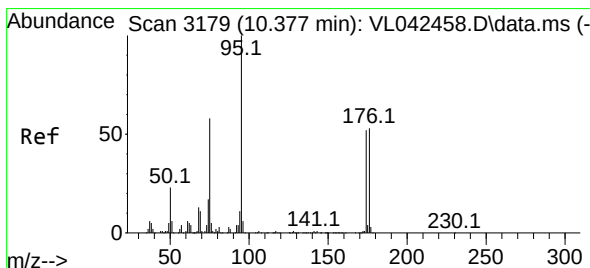
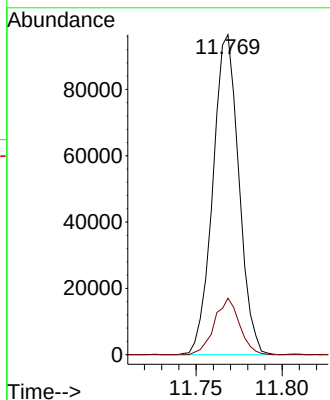
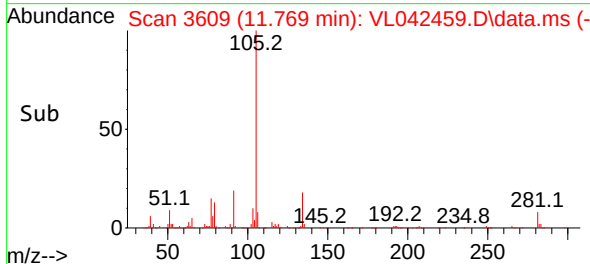
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion:105 Resp: 101458
 Ion Ratio Lower Upper
 105 100
 134 17.0 14.1 21.1

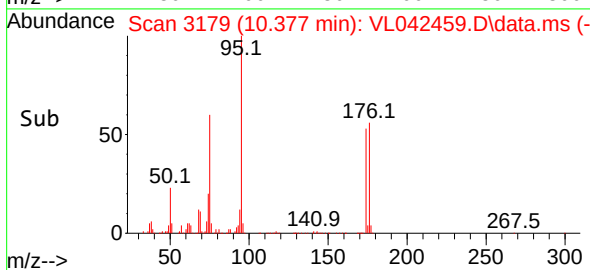
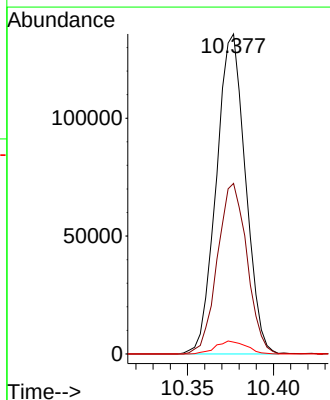
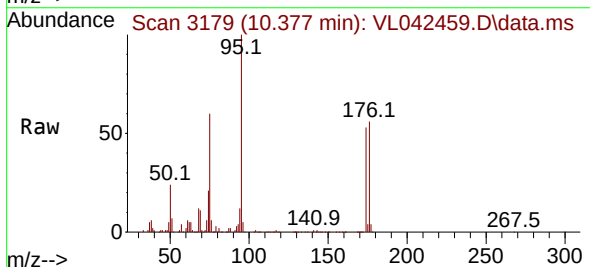
Manual Integrations
 APPROVED

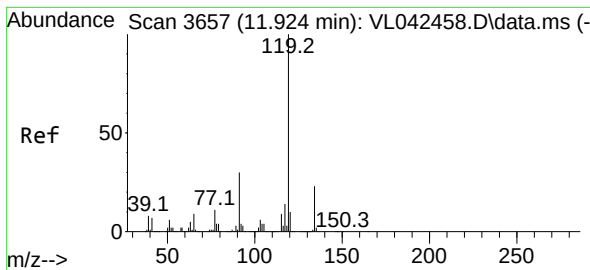
Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.869 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

Tgt Ion: 95 Resp: 159777
 Ion Ratio Lower Upper
 95 100
 174 54.3 42.7 64.1
 175 4.2 3.6 5.4





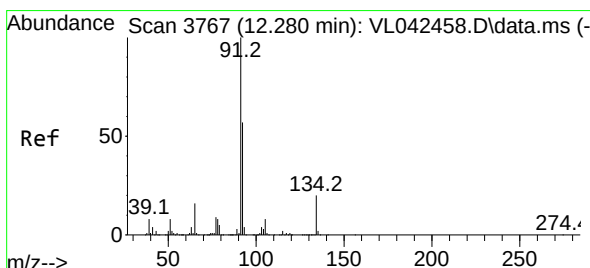
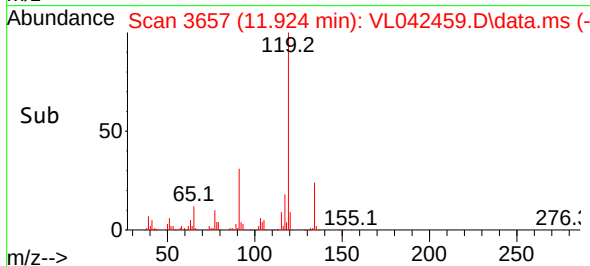
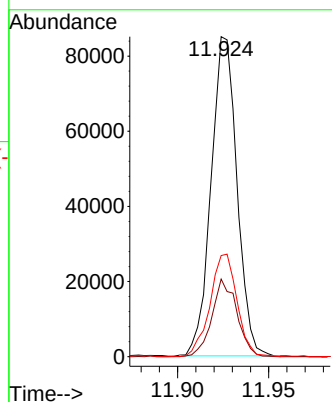
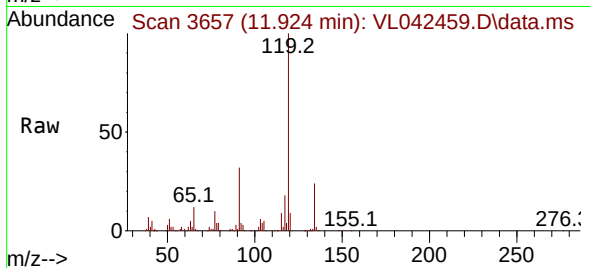
#69
p-Isopropyltoluene
Concen: 2.226 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 84020
Ion Ratio Lower Upper
119 100
134 23.5 19.0 28.4
91 33.8 25.5 38.3

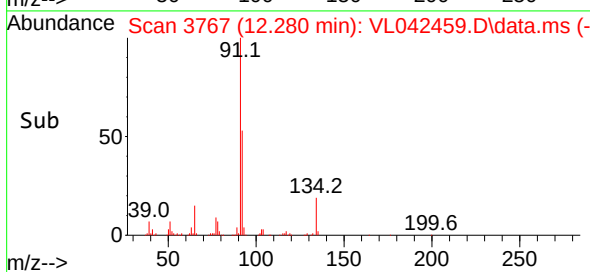
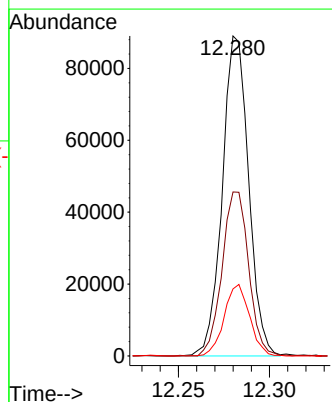
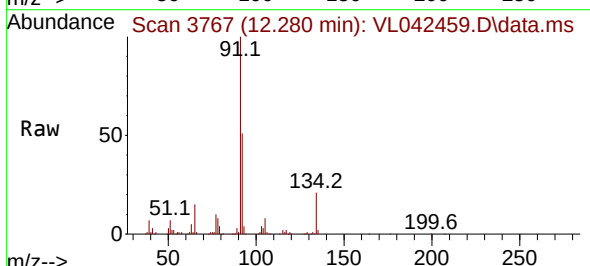
Manual Integrations
APPROVED

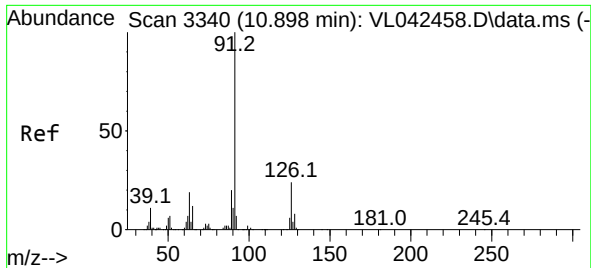
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#70
n-Butylbenzene
Concen: 2.291 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

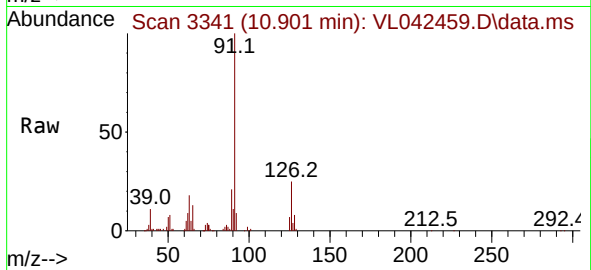
Tgt Ion: 91 Resp: 89400
Ion Ratio Lower Upper
91 100
92 52.0 44.0 66.0
134 21.7 16.8 25.2





#71
2-Chlorotoluene
Concen: 2.139 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

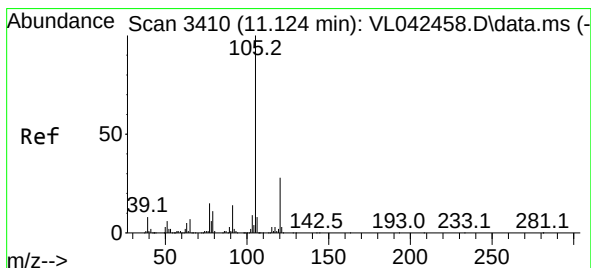
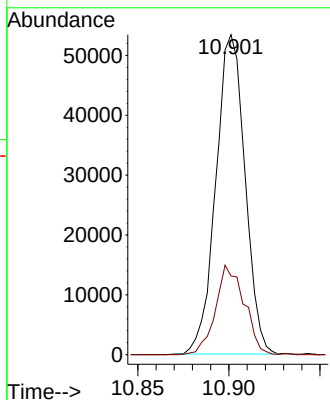
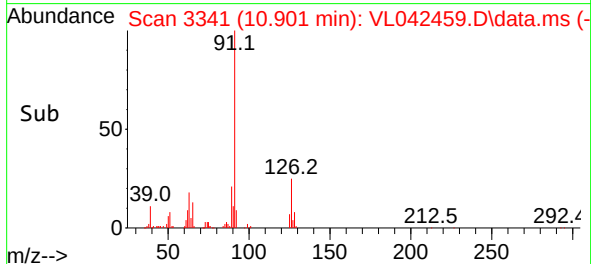
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



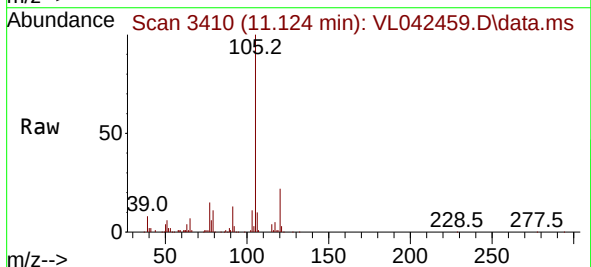
Tgt Ion: 91 Resp: 5927
Ion Ratio Lower Upper
91 100
126 27.8 10.6 42.2

Manual Integrations
APPROVED

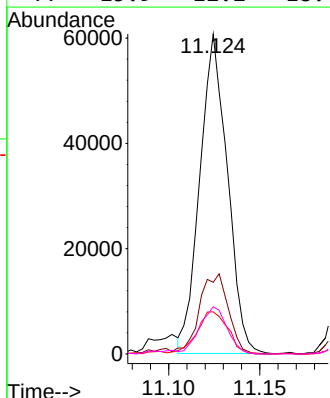
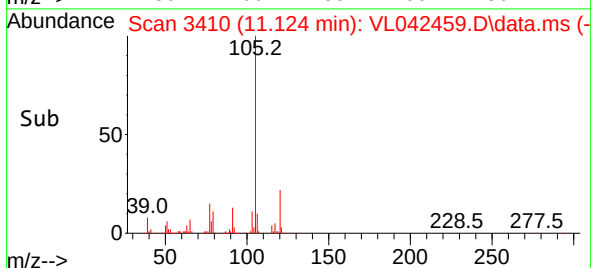
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

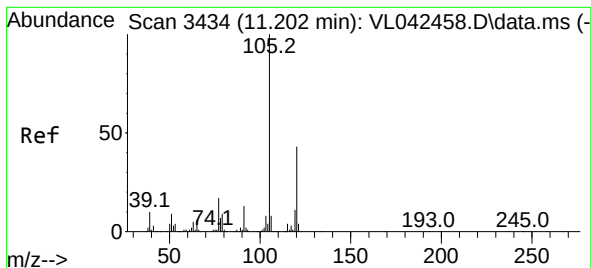


#72
4-Ethyltoluene
Concen: 2.210 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



Tgt Ion:105 Resp: 63833
Ion Ratio Lower Upper
105 100
120 27.6 22.0 33.0
91 15.7 11.2 16.8
77 15.9 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 2.225 ppbv

RT: 11.205 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion:105 Resp: 56510

Ion Ratio Lower Upper

105 100

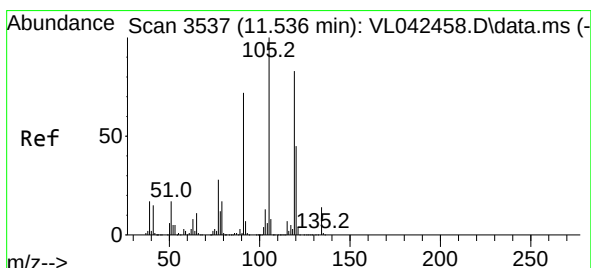
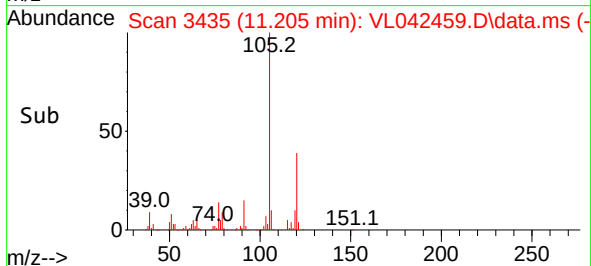
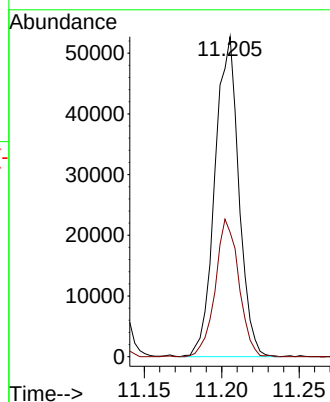
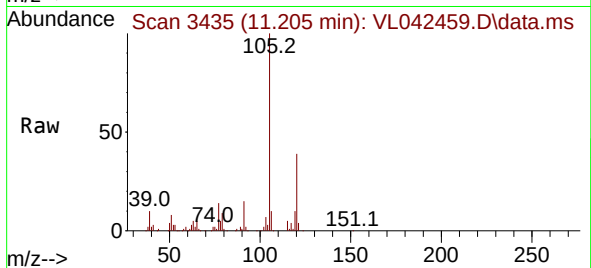
120 38.9 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025

Supervised By :Mahesh Dadoda 05/05/2025



#74

1,2,4-Trimethylbenzene

Concen: 2.359 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Tgt Ion:105 Resp: 72485

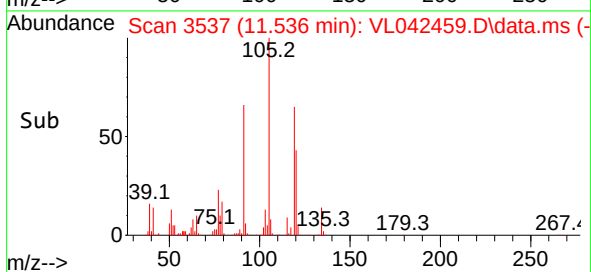
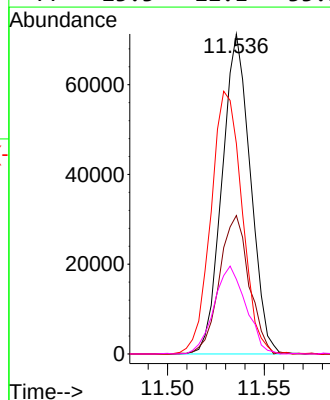
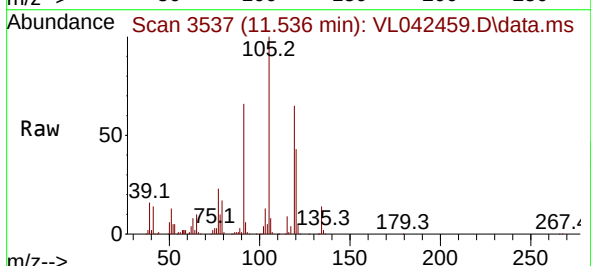
Ion Ratio Lower Upper

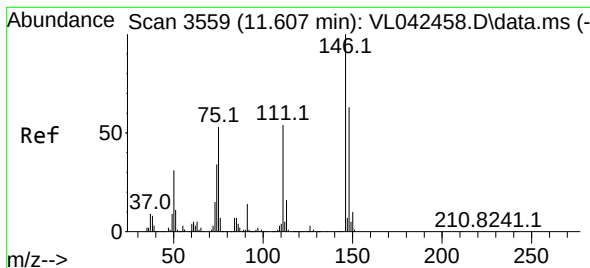
105 100

120 43.0 36.1 54.1

91 65.5 57.6 86.4

77 23.3 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 2.156 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

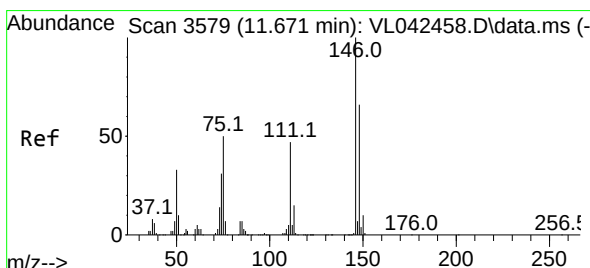
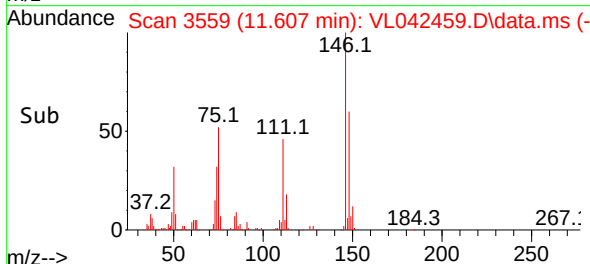
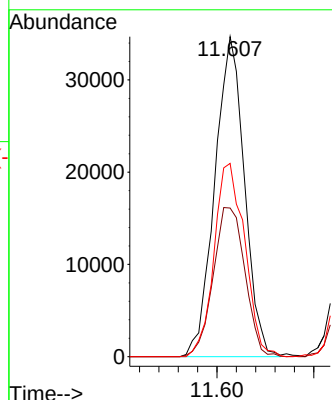
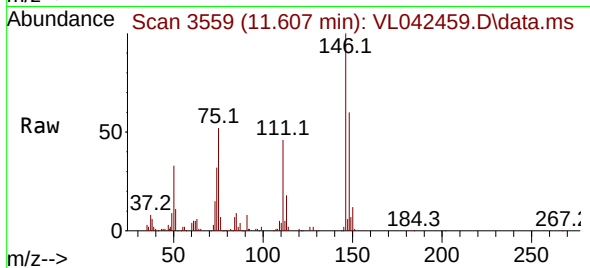
VSTDICC002

Tgt Ion:	146	Resp:	3688
Ion Ratio	Lower	Upper	
146	100		
111	49.8	26.1	78.3
148	62.2	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#76

1,4-Dichlorobenzene

Concen: 2.083 ppbv

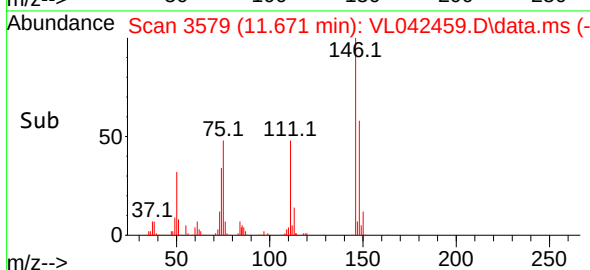
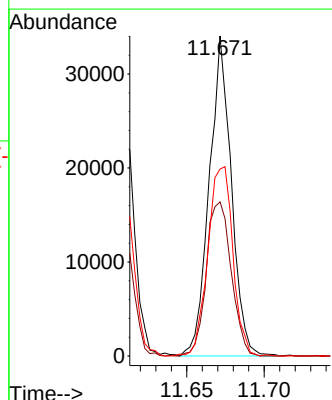
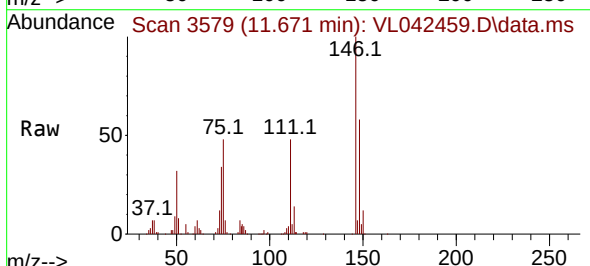
RT: 11.671 min Scan# 3579

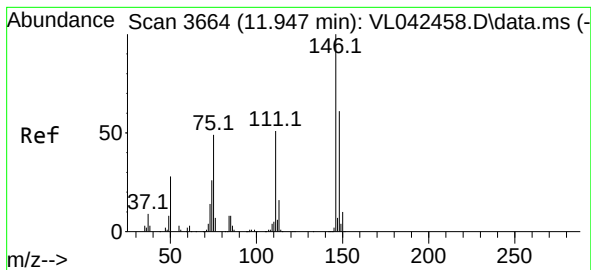
Delta R.T. -0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Tgt Ion:	146	Resp:	33728
Ion Ratio	Lower	Upper	
146	100		
111	54.4	24.4	73.2
148	67.0	32.0	96.2





#77

1,2-Dichlorobenzene

Concen: 2.154 ppbv

RT: 11.947 min Scan# 3664

Delta R.T. -0.000 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

Instrument :

MSVOA_L

ClientSampleId :

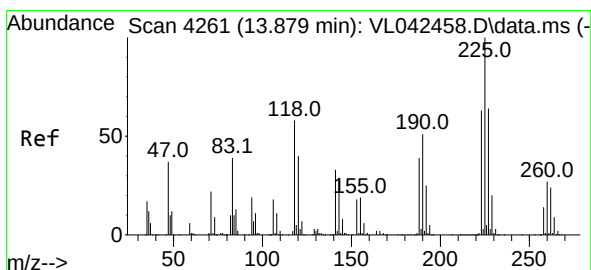
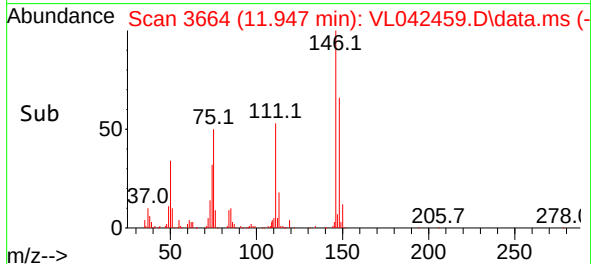
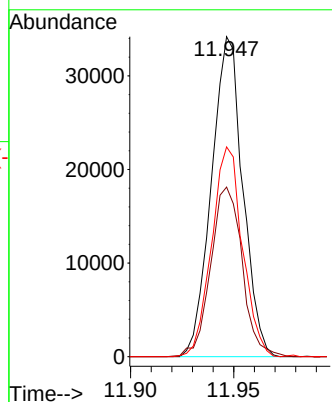
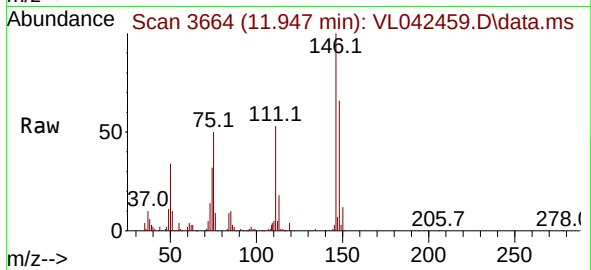
VSTDICC002

Tgt Ion:146	Resp:	36078
Ion Ratio	Lower	Upper
146	100	
111	53.3	26.5 79.5
148	64.6	31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025



#78

Hexachloro-1,3-Butadiene

Concen: 2.234 ppbv

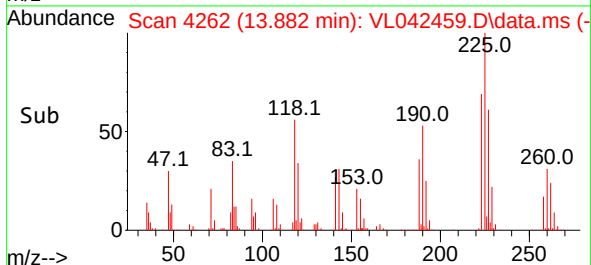
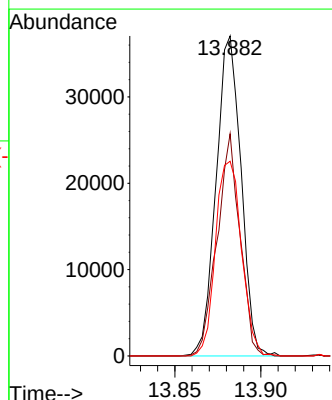
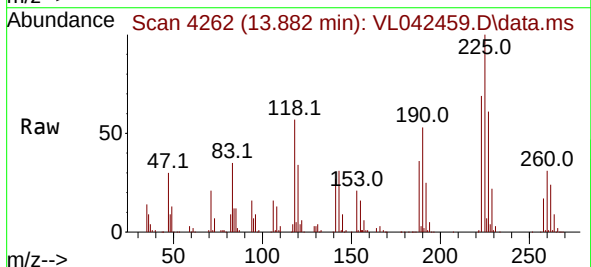
RT: 13.882 min Scan# 4262

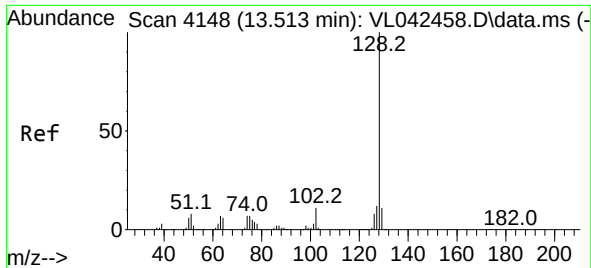
Delta R.T. 0.003 min

Lab File: VL042459.D

Acq: 01 May 2025 09:37

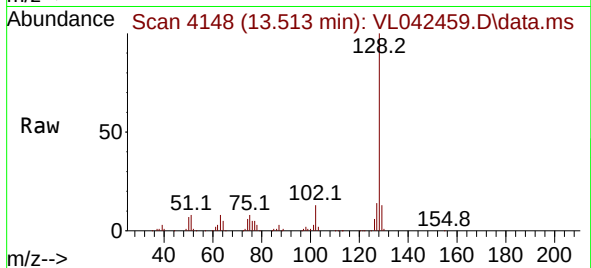
Tgt Ion:225	Resp:	37360
Ion Ratio	Lower	Upper
225	100	
223	63.7	50.2 75.4
227	63.5	51.2 76.8





#79
Naphthalene
Concen: 2.920 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37

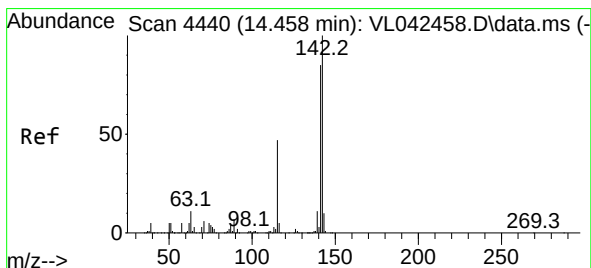
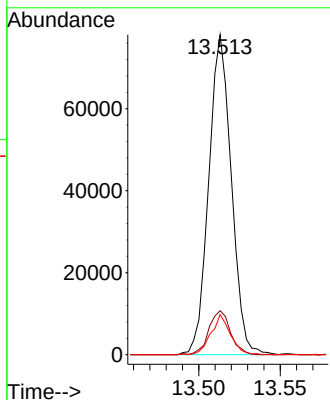
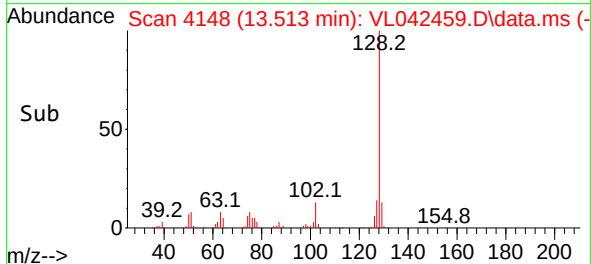
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002



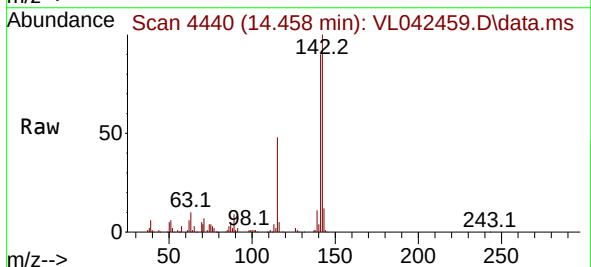
Tgt Ion:128 Resp: 75248
Ion Ratio Lower Upper
128 100
127 13.8 9.7 14.5
129 12.5 8.6 13.0

Manual Integrations
APPROVED

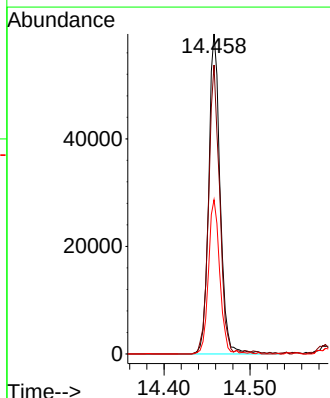
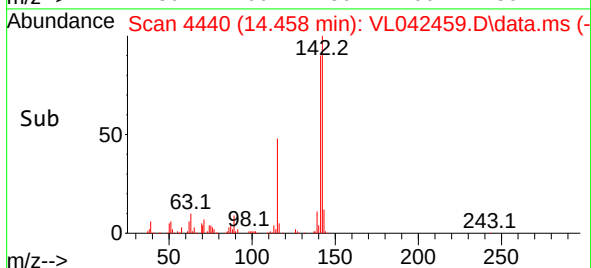
Reviewed By :Semsettin Yesilyurt 05/02/2025
Supervised By :Mahesh Dadoda 05/05/2025

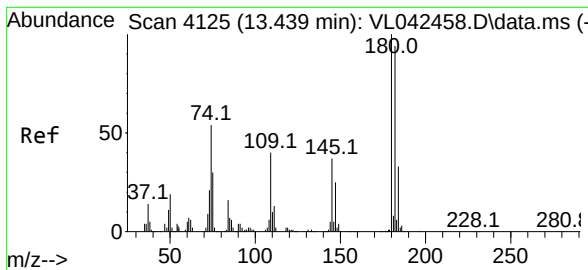


#80
Naphthalene,2-methyl-
Concen: 2.857 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL042459.D
Acq: 01 May 2025 09:37



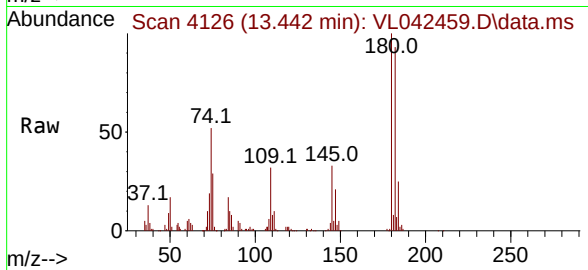
Tgt Ion:142 Resp: 54922
Ion Ratio Lower Upper
142 100
141 89.0 67.4 101.0
115 47.9 36.9 55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 2.396 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042459.D
 Acq: 01 May 2025 09:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002



Tgt Ion:180 Resp: 33063
 Ion Ratio Lower Upper
 180 100
 182 99.0 74.6 111.8
 184 30.7 24.9 37.3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/02/2025
 Supervised By :Mahesh Dadoda 05/05/2025

