

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042581.D
 Acq On : 29 May 2025 12:15
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/30/2025
 Supervised By : Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:18:23 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

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

QLast Update : Fri May 30 01:15:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	101864	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	307159	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	279402	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 209886 10.021 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	13779	1.101	ppbv	95
3) Chlorodifluoromethane	1.476	51	18960	1.100	ppbv	99
4) Chloromethane	1.531	50	5387	1.087	ppbv	89
5) Vinyl Chloride	1.580	62	4964	0.983	ppbv	99
6) Bromomethane	1.667	94	2560	1.041	ppbv	99
7) Chloroethane	1.703	64	2164	1.103	ppbv #	84
8) Dichlorotetrafluoroethane	1.554	85	11182	1.072	ppbv	98
9) Propene	1.483	41	7413	1.068	ppbv	97
10) Heptane	4.981	43	21213m	1.083	ppbv	
11) Trichlorofluoromethane	1.878	101	12319	1.058	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	9979	1.091	ppbv	98
13) Ethanol	1.722	45	968	1.249	ppbv #	61
14) Bromoethene	1.780	108	3524	1.024	ppbv #	97
15) Acetone	1.835	43	15114	1.232	ppbv	98
16) 1,3-Butadiene	1.609	39	6483	1.115	ppbv	92
17) tert-Butyl alcohol	2.043	59	13587	1.063	ppbv #	83
18) 1,1-Dichloroethene	2.036	96	4598	1.080	ppbv	85
19) Isopropyl Alcohol	1.887	45	7964	1.086	ppbv #	38
20) Methylene Chloride	2.062	84	4654	1.149	ppbv	98
21) Allyl Chloride	2.094	41	9378	1.083	ppbv #	83
22) trans-1,2-Dichloroethene	2.340	96	5269	1.109	ppbv	98
23) Vinyl Acetate	2.463	43	16945	1.022	ppbv #	96
24) 1,1-Dichloroethane	2.408	63	10651	1.093	ppbv #	98
25) Ethyl Acetate	2.839	43	36518	1.088	ppbv	99
26) Hexane	2.826	57	16686	1.094	ppbv	99
27) Carbon Disulfide	2.149	76	12910	1.102	ppbv #	22
28) Methyl tert-Butyl Ether	2.441	73	7064	1.141	ppbv	93
29) Chloroform	2.849	83	21594	1.088	ppbv	100
30) Cyclohexane	3.858	84	13889	1.098	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	14880	1.066	ppbv	89
32) 1,1,1-Trichloroethane	3.370	97	20811	1.045	ppbv	97
34) 2-Butanone	2.560	43	23148	1.057	ppbv	99
35) Carbon Tetrachloride	3.765	117	21013	1.036	ppbv	89
36) Benzene	3.658	78	32310	1.068	ppbv	99
37) 1,2-Dichloroethane	3.218	62	15623	1.039	ppbv	97
38) Trichloroethene	4.551	130	13969	1.078	ppbv	98
39) 1,2-Dichloropropane	4.321	63	11488	1.027	ppbv	87
40) 1,4-Dioxane	4.600	88	5479m	1.153	ppbv	
41) Tetrahydrofuran	3.062	42	13711	1.069	ppbv	99
42) Bromodichloromethane	4.490	83	22628	1.060	ppbv #	96
43) Methyl Methacrylate	4.884	69	11810	1.007	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	56202m	1.087	ppbv	
45) t-1,3-Dichloropropene	6.415	75	13988m	1.041	ppbv	

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

Quant Time: May 30 01:18:23 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

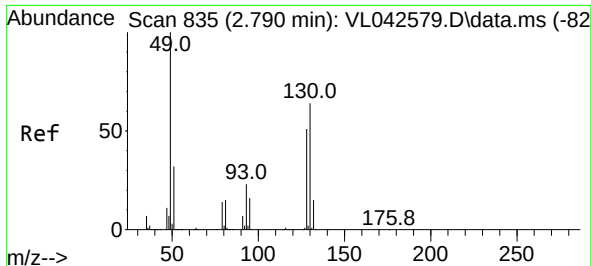
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 01:15:52 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	17453m	1.037	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	12328m	1.065	ppbv	
48) Dibromochloromethane	7.393	129	19719	1.064	ppbv	99
49) Bromoform	9.484	173	15937	0.996	ppbv	96
50) 4-Methyl-2-Pentanone	5.765	43	31646	1.037	ppbv	99
51) 2-Hexanone	7.445	43	25135	1.043	ppbv #	96
52) Tetrachloroethene	8.228	164	11770	1.041	ppbv	97
53) Toluene	6.936	91	36540	1.045	ppbv	97
54) 1,2-Dibromoethane	7.658	107	18114	1.055	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	14971	1.066	ppbv	95
57) Chlorobenzene	8.927	112	28714	1.058	ppbv	100
58) Ethyl Benzene	9.357	91	49899	1.053	ppbv	96
59) m/p-Xylene	9.535	91	78893m	2.115	ppbv	
60) o-Xylene	9.966	91	39398	1.059	ppbv	99
61) Styrene	9.875	104	18371	1.045	ppbv	100
62) Isopropylbenzene	10.542	105	59492	1.083	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	24057	1.017	ppbv	99
64) n-propylbenzene	10.992	120	15107	1.026	ppbv	90
65) tert-Butylbenzene	11.532	119	53720	1.077	ppbv	99
66) Benzyl Chloride	11.617	91	6617	1.029	ppbv	98
67) sec-Butylbenzene	11.769	105	76631	1.093	ppbv	100
69) p-Isopropyltoluene	11.927	119	62849	1.070	ppbv	100
70) n-Butylbenzene	12.283	91	63350	1.093	ppbv	99
71) 2-Chlorotoluene	10.901	91	45250	1.080	ppbv	99
72) 4-Ethyltoluene	11.128	105	50214	1.083	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	41412	1.079	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	46810	1.099	ppbv #	90
75) 1,3-Dichlorobenzene	11.610	146	28889	1.080	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	29060	1.089	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	28176	1.085	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	24950	1.162	ppbv	98
79) Naphthalene	13.517	128	45649	1.141	ppbv #	94
80) Naphthalene,2-methyl-	14.458	142	15700	0.866	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	24843	1.108	ppbv	97

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



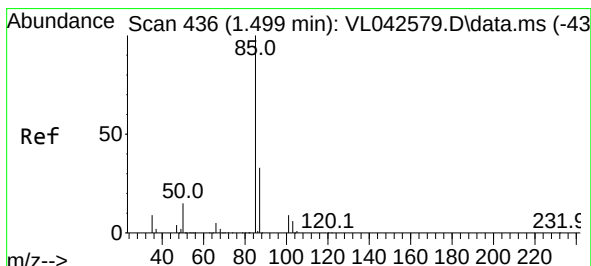
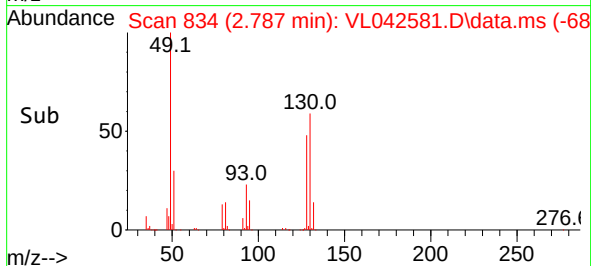
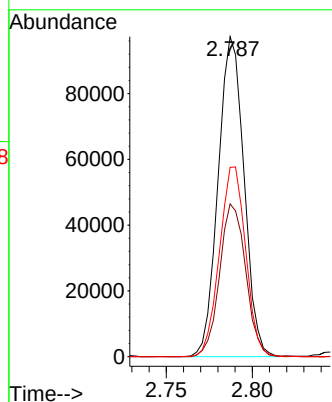
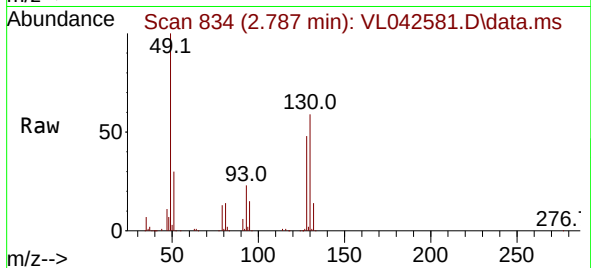
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 49 Resp: 101864
Ion Ratio Lower Upper
49 100
128 48.1 24.2 72.6
130 60.1 30.4 91.2

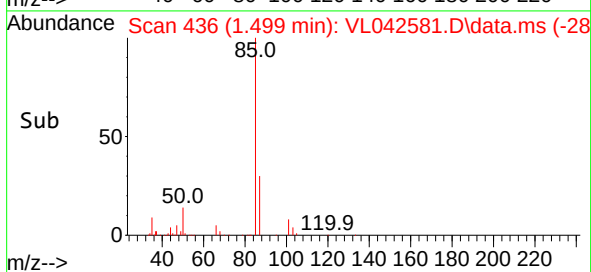
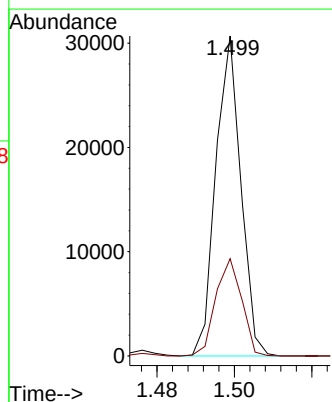
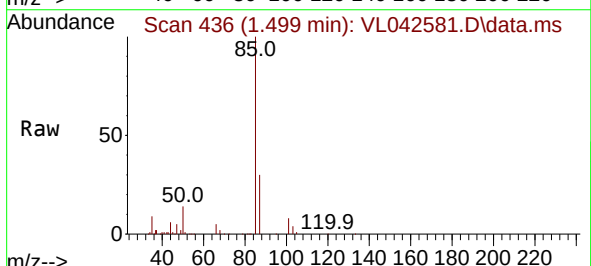
Manual Integrations
APPROVED

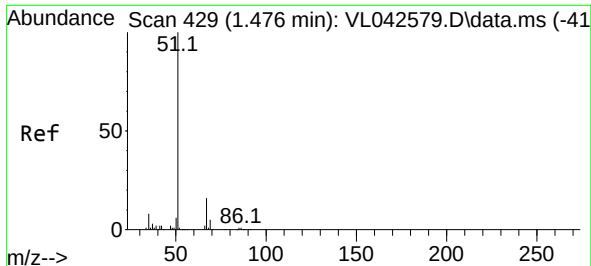
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#2
Dichlorodifluoromethane
Concen: 1.101 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 85 Resp: 13779
Ion Ratio Lower Upper
85 100
87 30.4 26.6 39.8





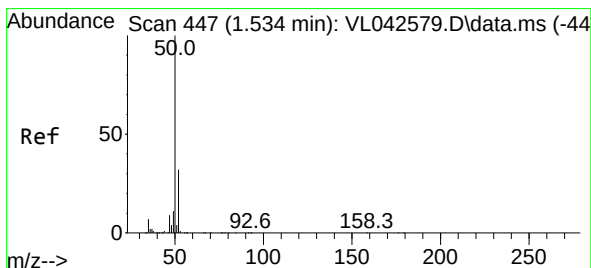
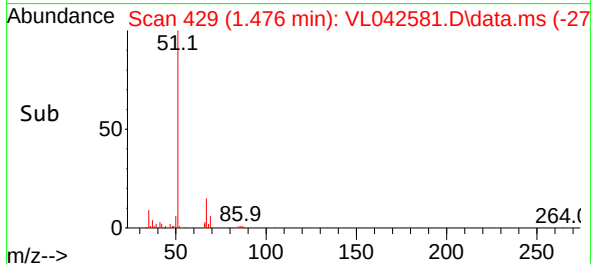
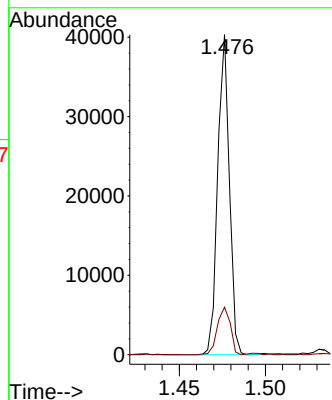
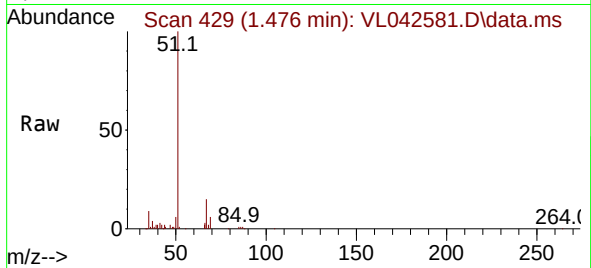
#3
Chlorodifluoromethane
Concen: 1.100 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 18960
Ion Ratio Lower Upper
51 100
67 17.0 13.4 20.2

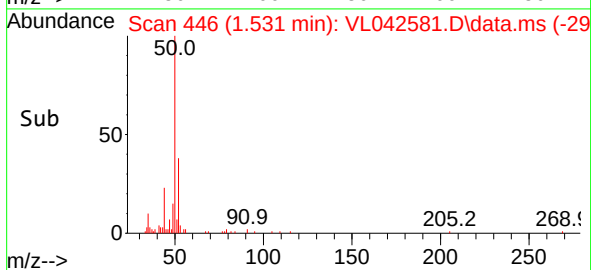
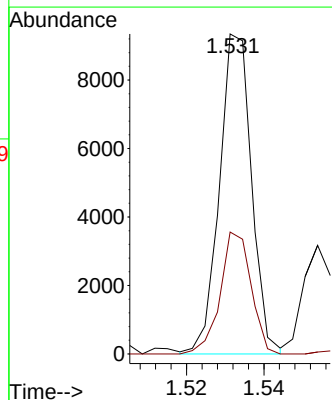
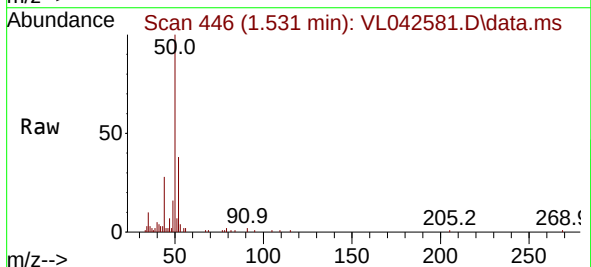
Manual Integrations
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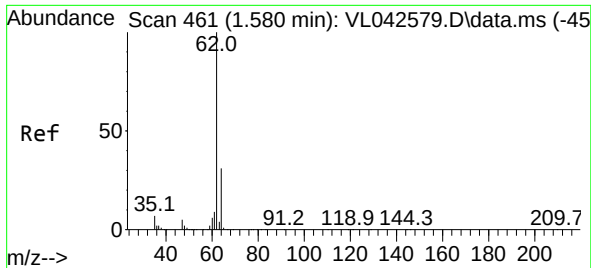
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#4
Chloromethane
Concen: 1.087 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 50 Resp: 5387
Ion Ratio Lower Upper
50 100
52 38.4 25.8 38.6





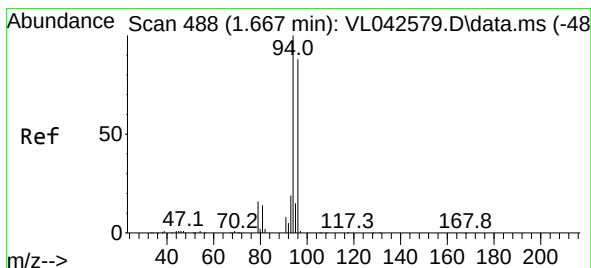
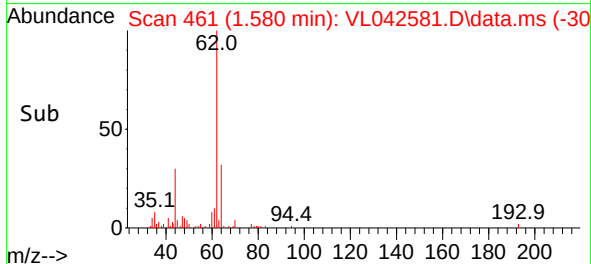
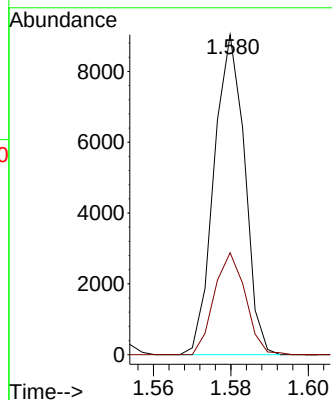
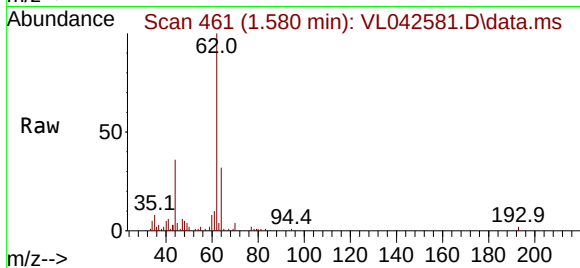
#5
 Vinyl Chloride
 Concen: 0.983 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 4964
 Ion Ratio Lower Upper
 62 100
 64 31.8 24.9 37.3

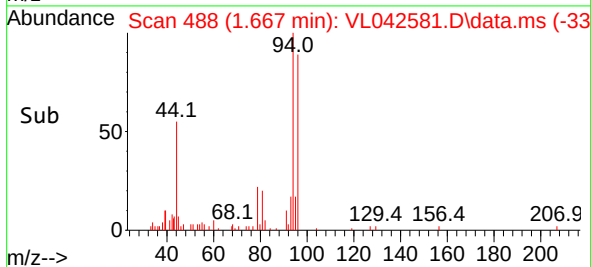
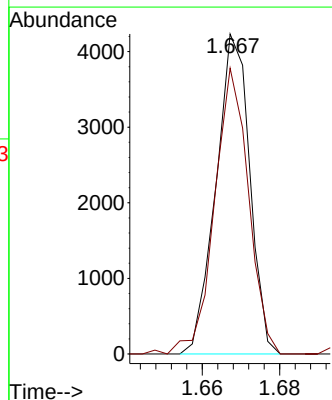
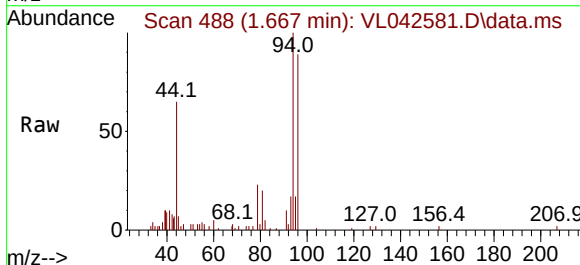
Manual Integrations
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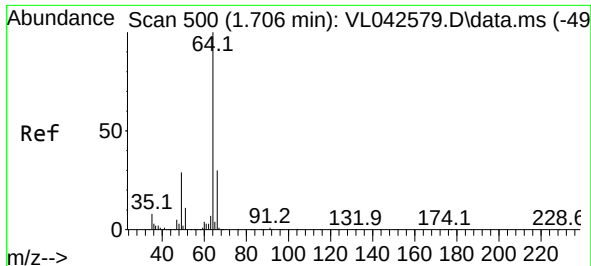
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#6
 Bromomethane
 Concen: 1.041 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

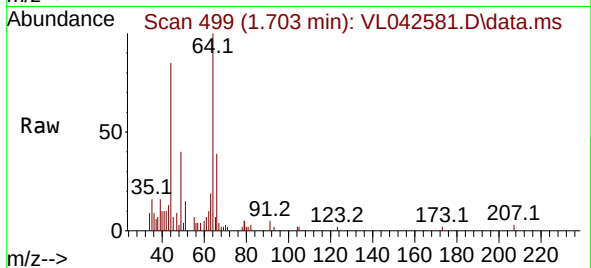
Tgt Ion: 94 Resp: 2560
 Ion Ratio Lower Upper
 94 100
 96 89.3 70.7 106.1





#7
Chloroethane
Concen: 1.103 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

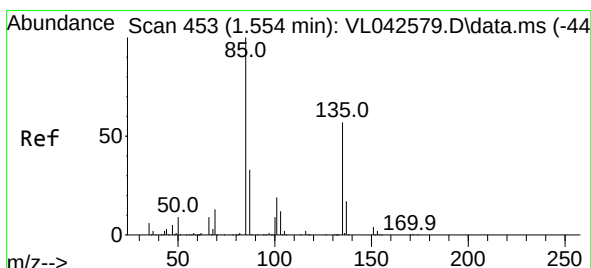
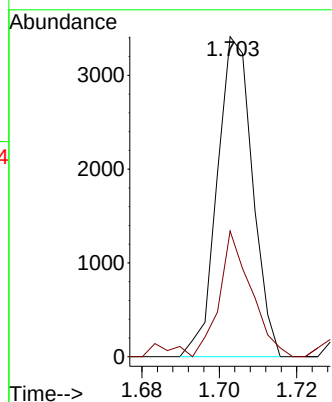
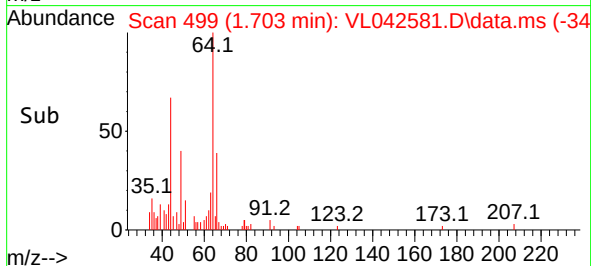
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



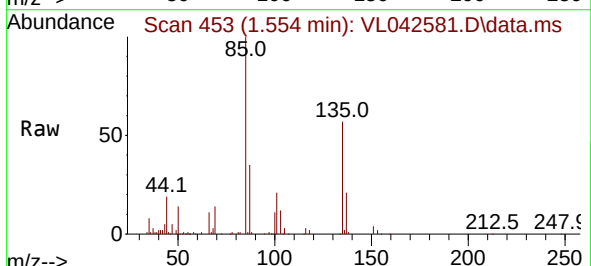
Tgt Ion: 64 Resp: 2164
Ion Ratio Lower Upper
64 100
66 39.3 24.3 36.5

Manual Integrations
APPROVED

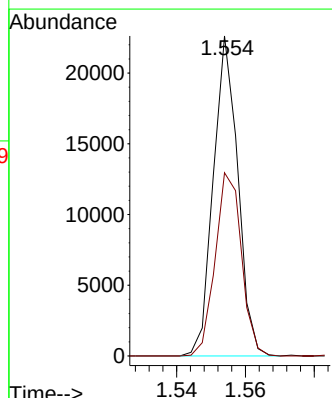
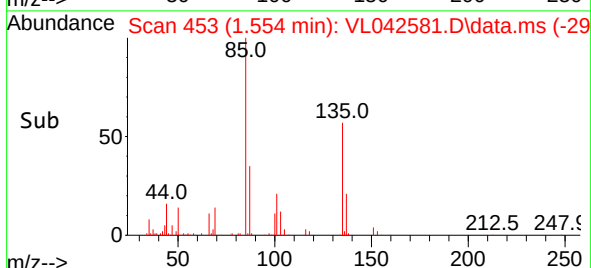
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

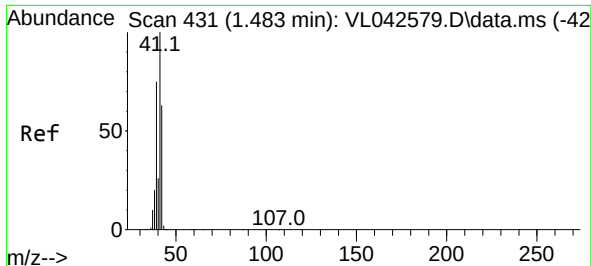


#8
Dichlorotetrafluoroethane
Concen: 1.072 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



Tgt Ion: 85 Resp: 11182
Ion Ratio Lower Upper
85 100
135 61.5 50.2 75.4





#9

Propene

Concen: 1.068 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 41 Resp: 741

Ion Ratio Lower Upper

41 100

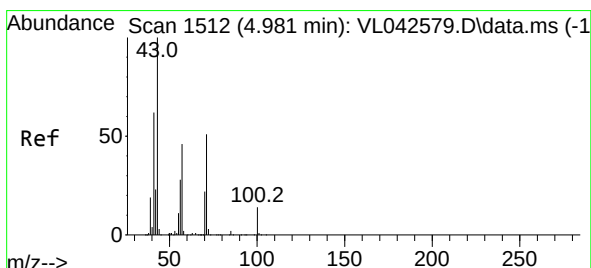
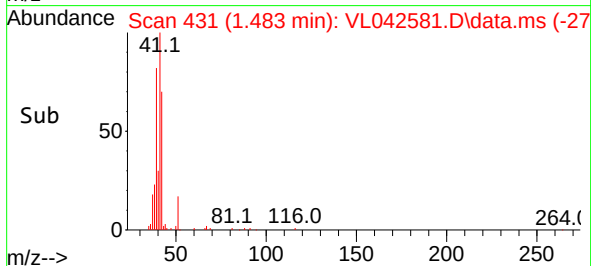
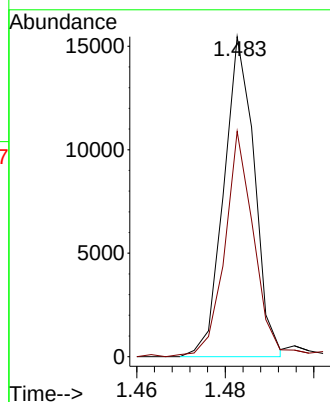
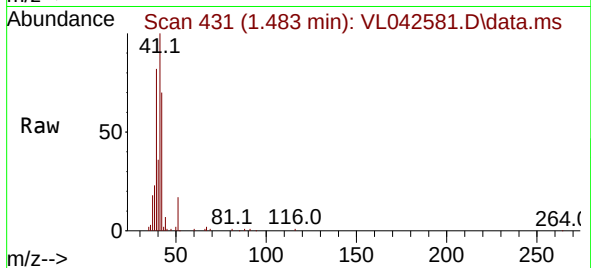
42 69.1 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#10

Heptane

Concen: 1.083 ppbv m

RT: 4.981 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VL042581.D

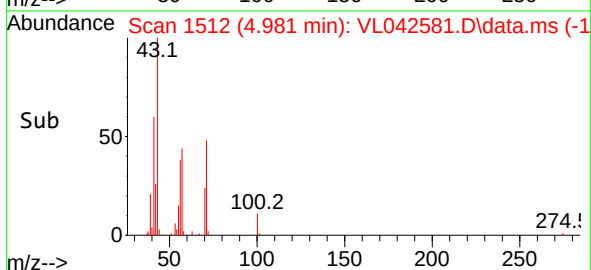
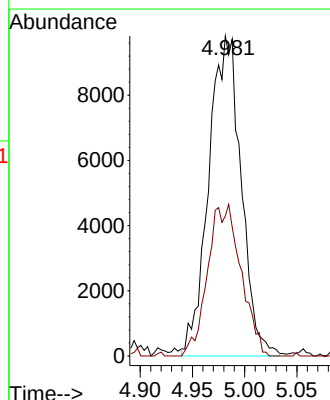
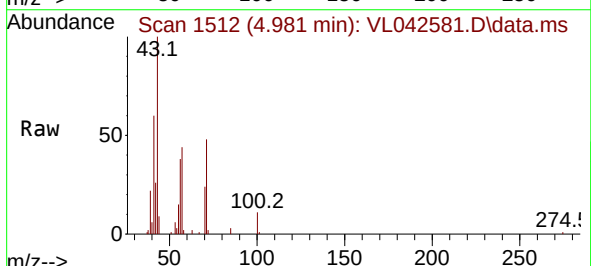
Acq: 29 May 2025 12:15

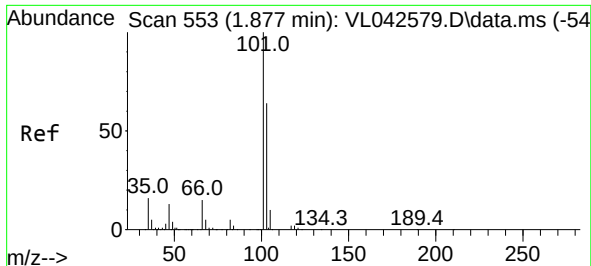
Tgt Ion: 43 Resp: 21213

Ion Ratio Lower Upper

43 100

57 0.0 38.9 58.3#





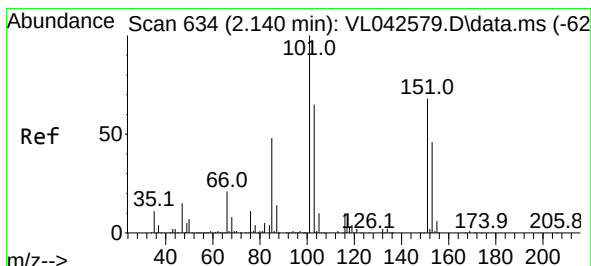
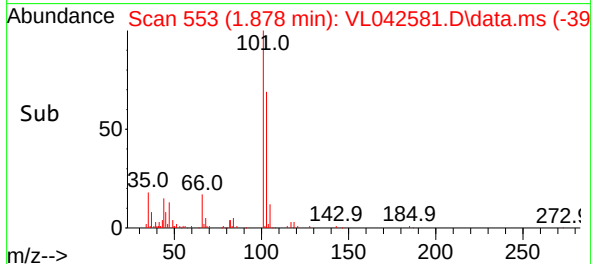
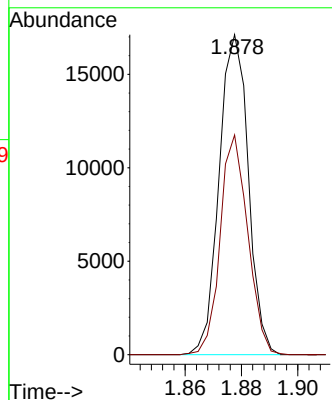
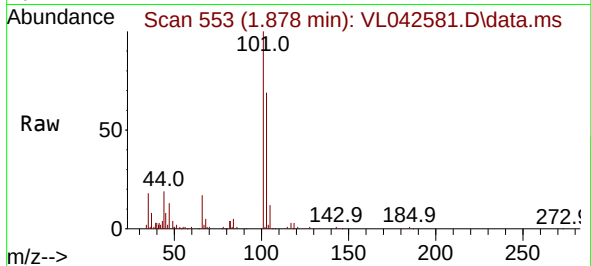
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Trichlorofluoromethane
Concen: 1.058 ppbv
RT: 1.878 min Scan# 553
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:101 Resp: 12319
Ion Ratio Lower Upper
101 100
103 68.6 51.5 77.3

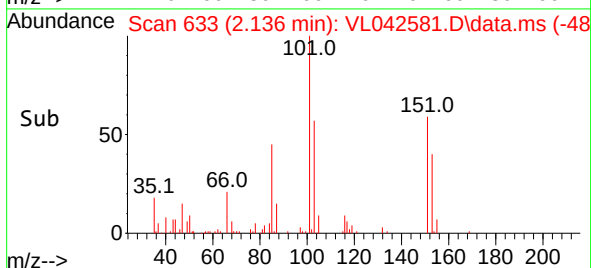
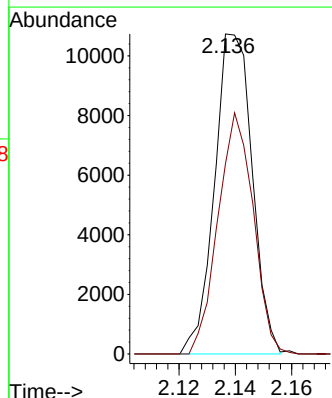
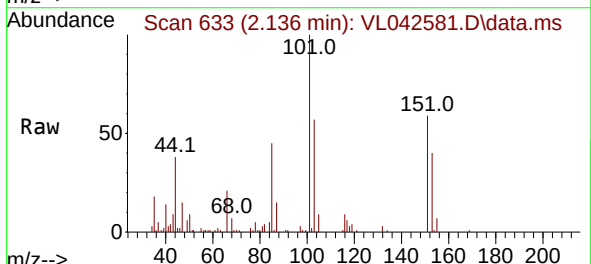
Manual Integrations
APPROVED

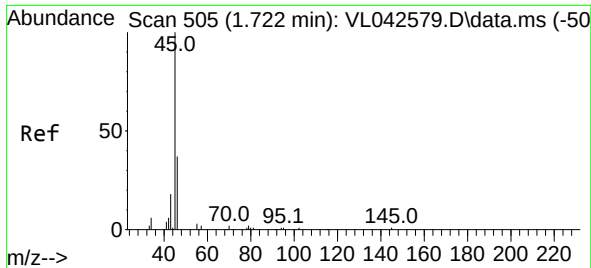
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.091 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

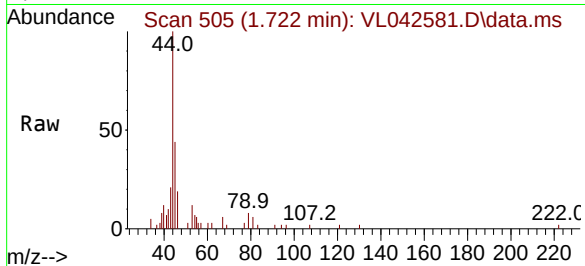
Tgt Ion:101 Resp: 9979
Ion Ratio Lower Upper
101 100
151 70.6 55.3 82.9





#13
Ethanol
Concen: 1.249 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

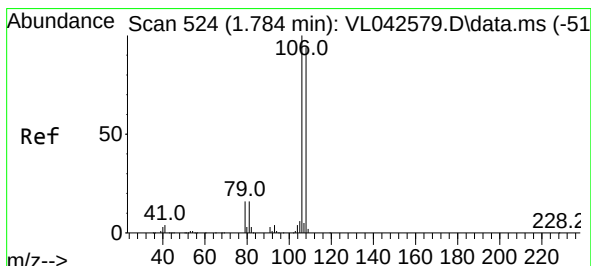
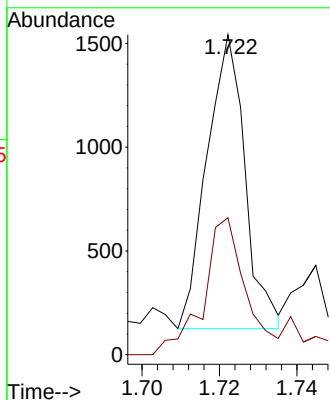
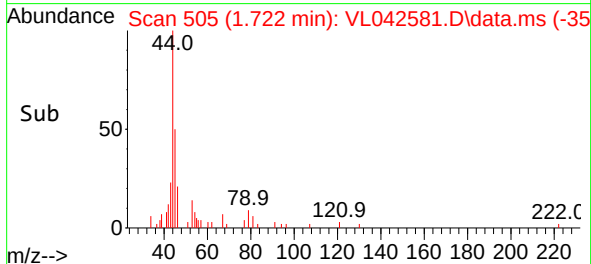
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



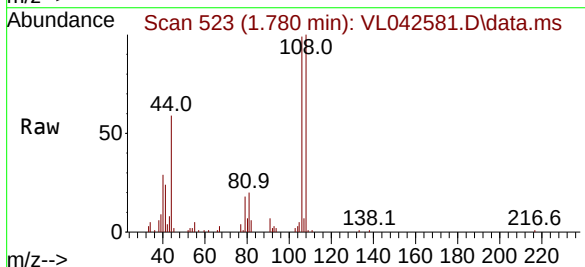
Tgt Ion: 45 Resp: 968
Ion Ratio Lower Upper
45 100
46 59.5 14.5 58.1

Manual Integrations
APPROVED

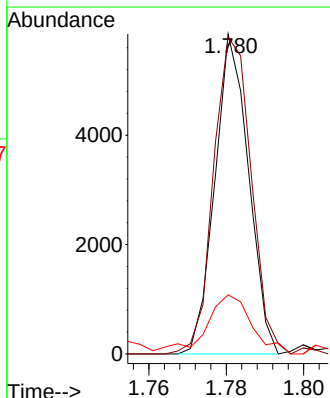
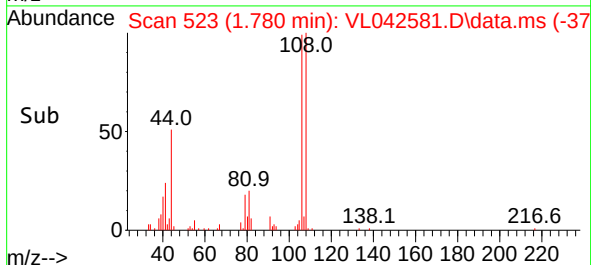
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

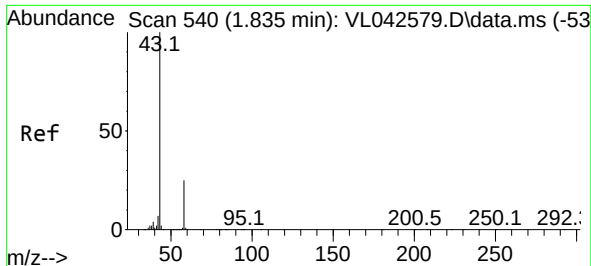


#14
Bromoethene
Concen: 1.024 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



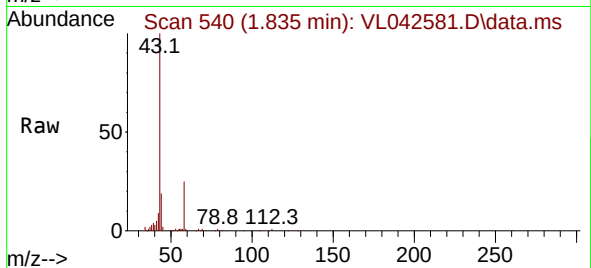
Tgt Ion:108 Resp: 3524
Ion Ratio Lower Upper
108 100
106 111.5 87.9 131.9
79 25.3 15.6 23.4





#15
Acetone
Concen: 1.232 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

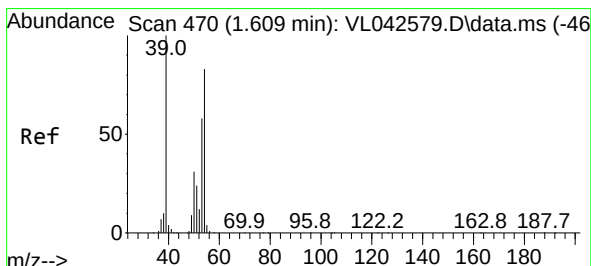
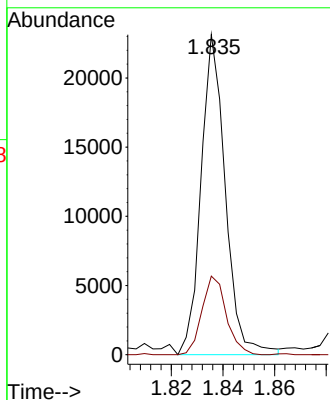
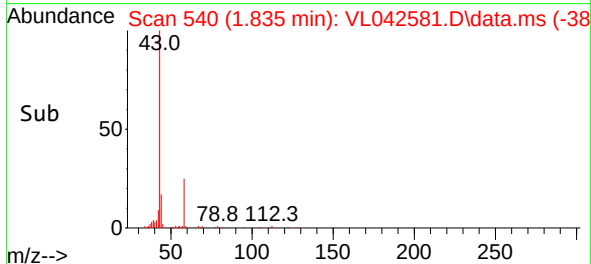
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 15114
Ion Ratio Lower Upper
43 100
58 24.9 21.0 31.4

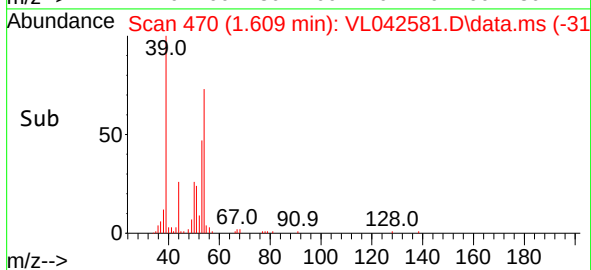
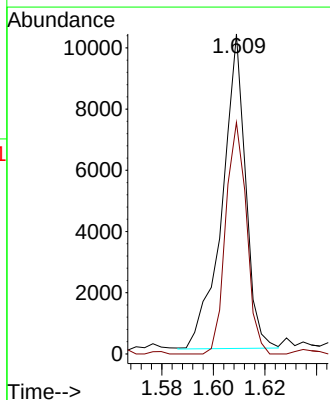
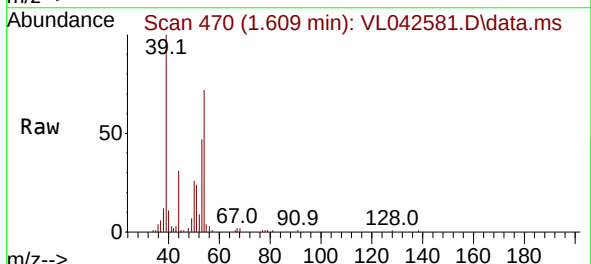
Manual Integrations
APPROVED

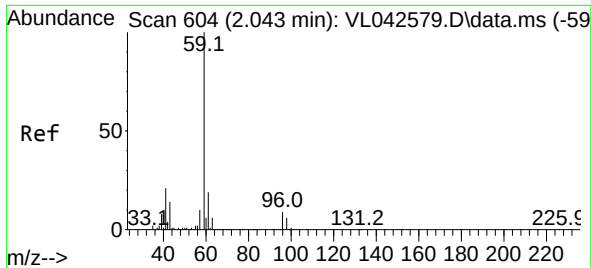
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#16
1,3-Butadiene
Concen: 1.115 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 39 Resp: 6483
Ion Ratio Lower Upper
39 100
54 65.4 57.9 86.9





#17

tert-Butyl alcohol

Concen: 1.063 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 1358

Ion Ratio Lower Upper

59 100

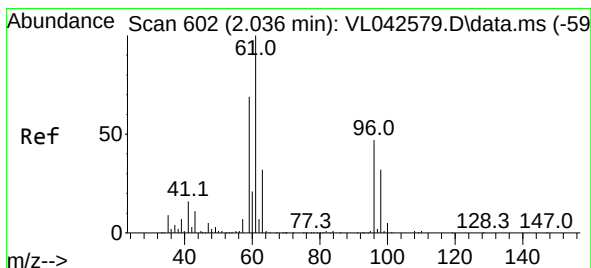
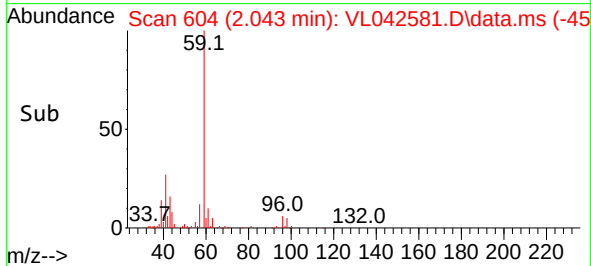
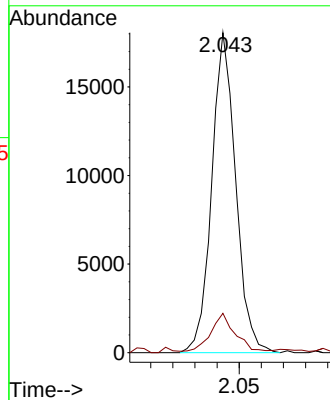
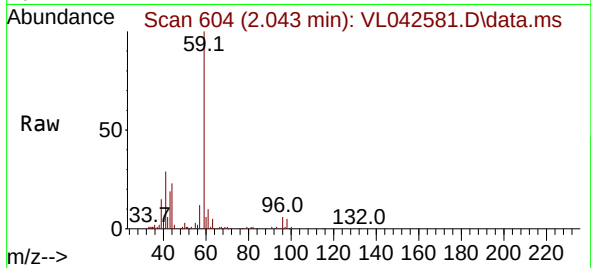
57 17.1 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#18

1,1-Dichloroethene

Concen: 1.080 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

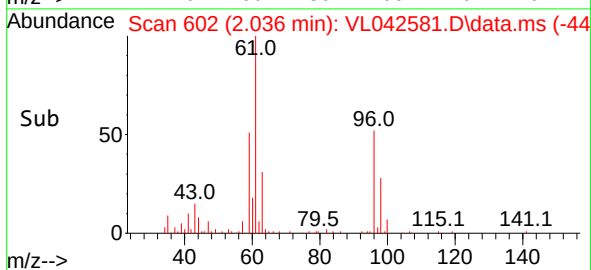
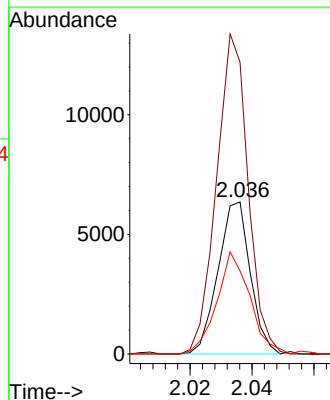
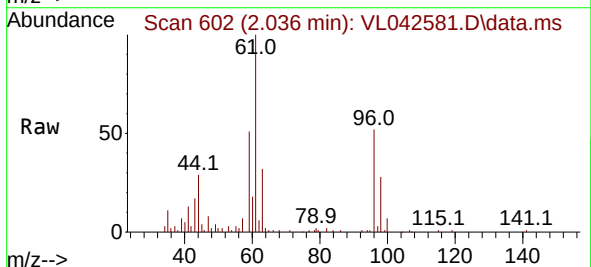
Tgt Ion: 96 Resp: 4598

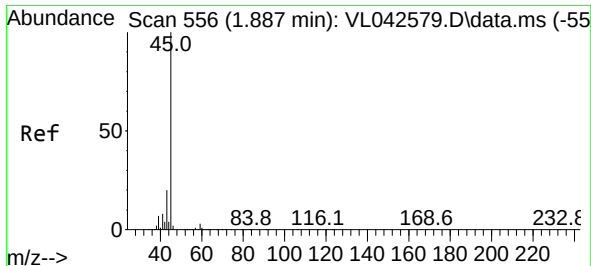
Ion Ratio Lower Upper

96 100

61 191.9 171.1 256.7

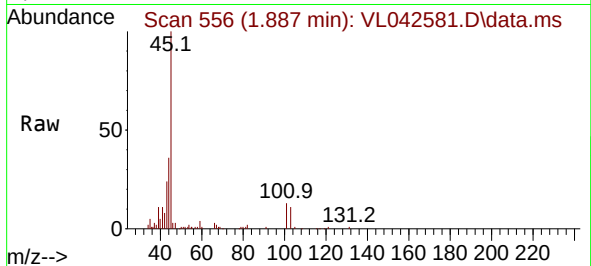
98 54.6 54.4 81.6





#19
Isopropyl Alcohol
Concen: 1.086 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

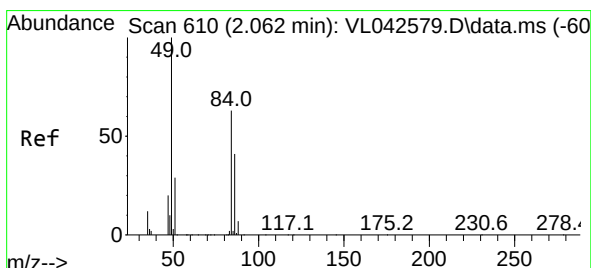
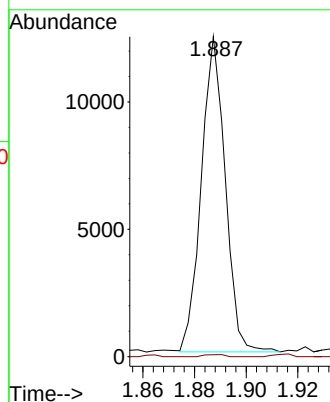
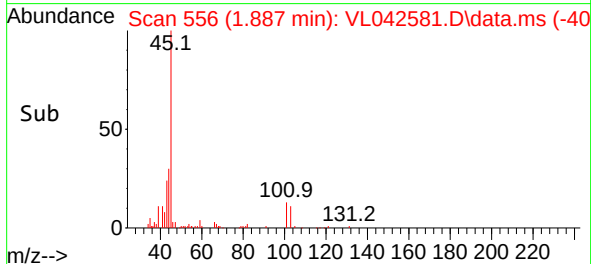
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



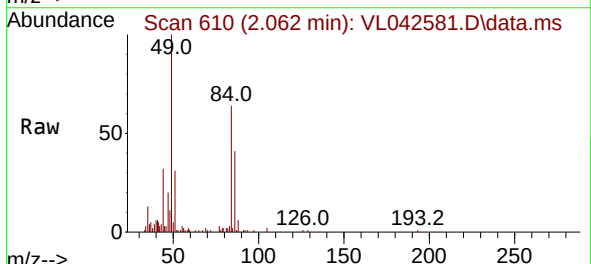
Tgt Ion: 45 Resp: 7964
Ion Ratio Lower Upper
45 100
58 0.0 29.4 44.2

Manual Integrations
APPROVED

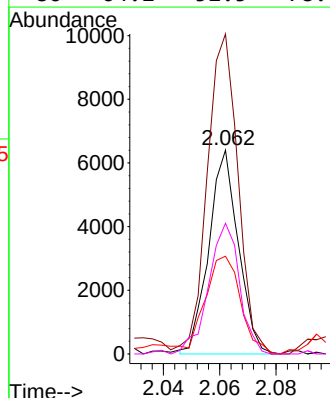
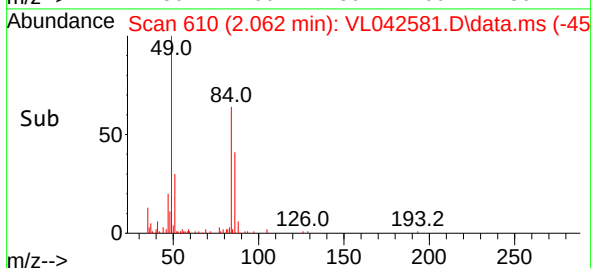
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

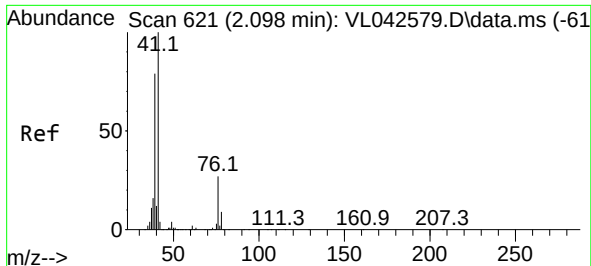


#20
Methylene Chloride
Concen: 1.149 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



Tgt Ion: 84 Resp: 4654
Ion Ratio Lower Upper
84 100
49 157.0 128.8 193.2
51 48.0 38.6 57.8
86 64.2 52.5 78.7





#21
 Allyl Chloride
 Concen: 1.083 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

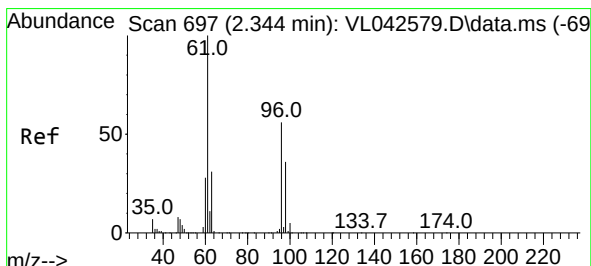
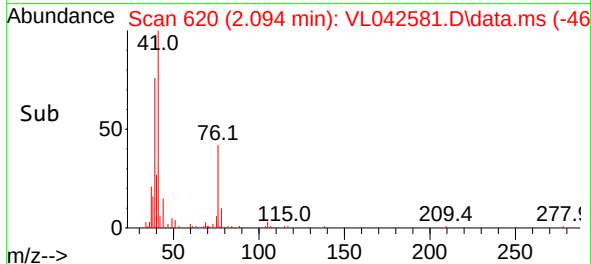
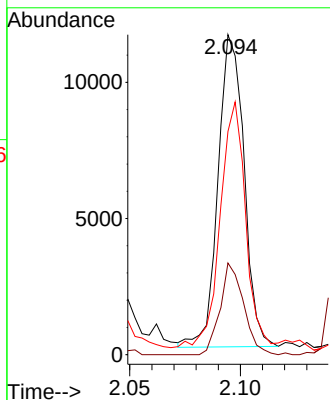
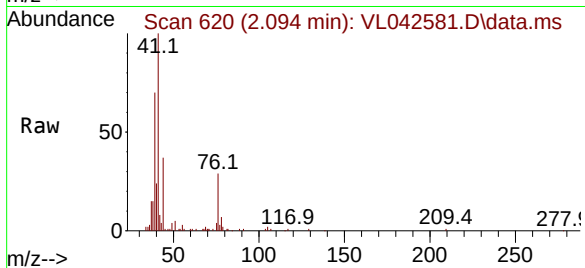
VSTDICC001

Tgt Ion: 41 Resp: 9378
 Ion Ratio Lower Upper
 41 100
 76 26.6 21.2 31.8
 39 95.2 60.9 91.3

Manual Integrations

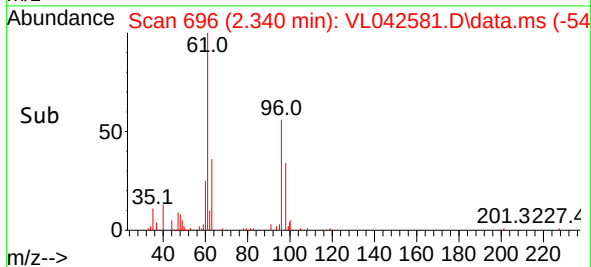
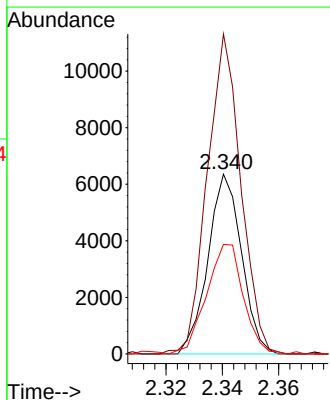
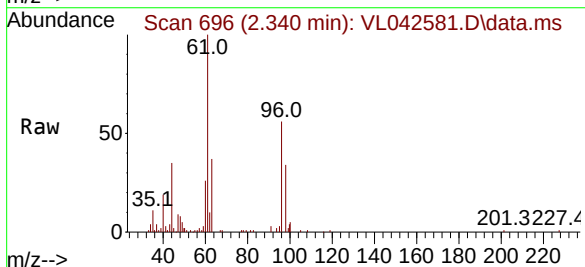
APPROVED

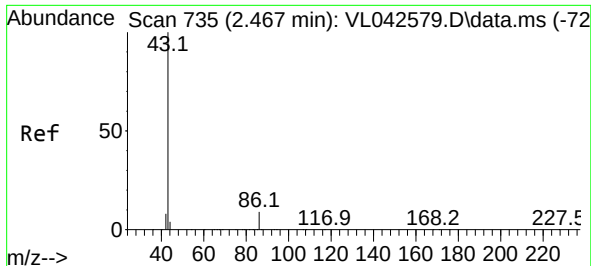
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#22
 trans-1,2-Dichloroethene
 Concen: 1.109 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

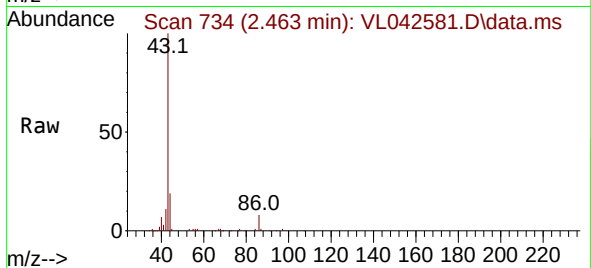
Tgt Ion: 96 Resp: 5269
 Ion Ratio Lower Upper
 96 100
 61 176.7 142.6 214.0
 98 59.7 51.0 76.4





#23
 Vinyl Acetate
 Concen: 1.022 ppbv
 RT: 2.463 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

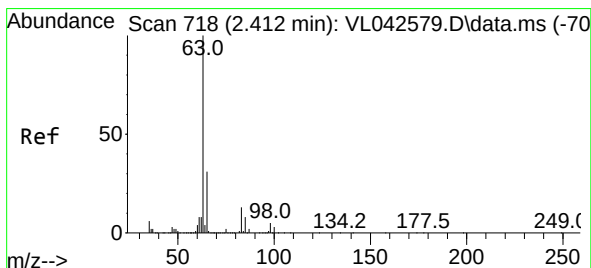
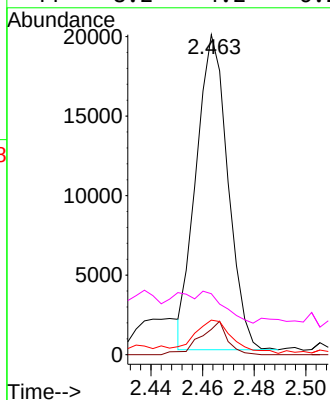
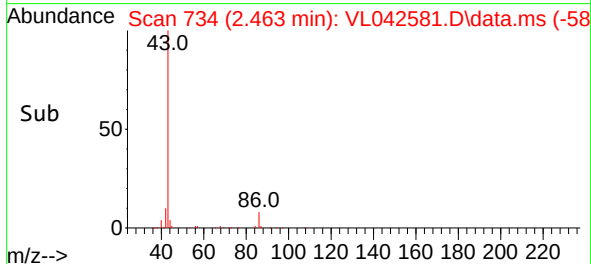
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 43 Resp: 16945
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.6 9.8
 42 10.6 7.0 10.4
 44 8.2 4.2 6.2#

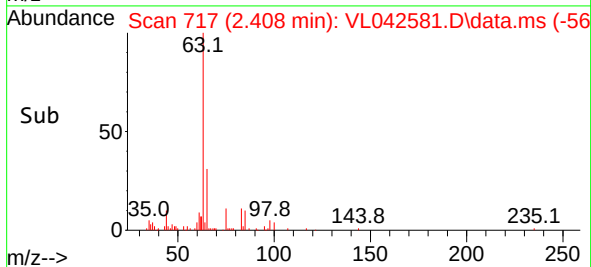
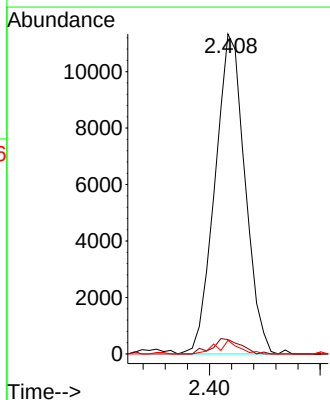
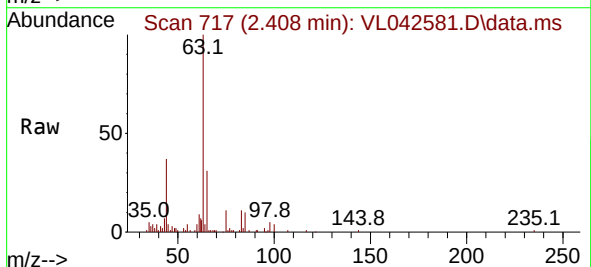
Manual Integrations
 APPROVED

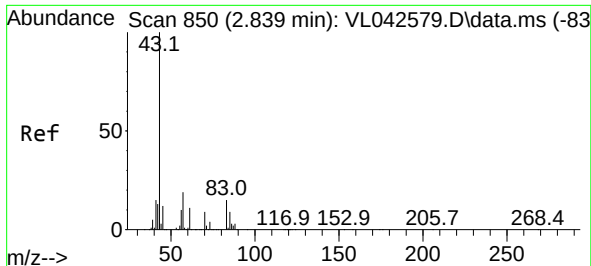
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#24
 1,1-Dichloroethane
 Concen: 1.093 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

Tgt Ion: 63 Resp: 10651
 Ion Ratio Lower Upper
 63 100
 98 4.5 2.4 7.1
 100 4.2 1.4 4.0#





#25

Ethyl Acetate

Concen: 1.088 ppbv

RT: 2.839 min Scan# 850

Delta R.T. 0.000 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

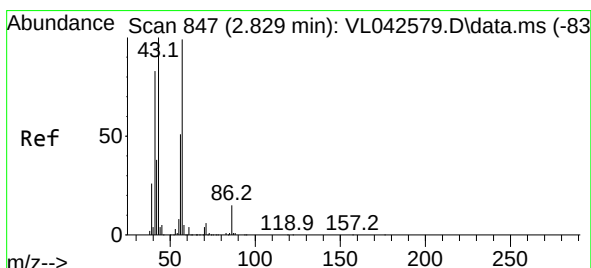
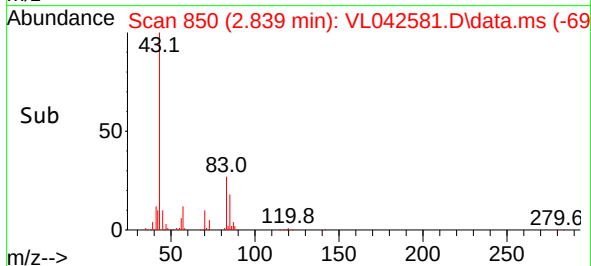
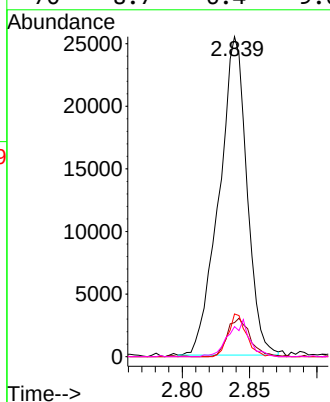
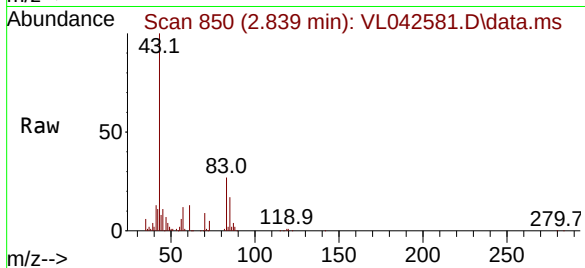
VSTDICC001

Tgt Ion: 43	Resp: 36518
Ion Ratio	Lower Upper
43 100	
45 10.0	8.2 12.2
61 8.8	7.1 10.7
70 8.7	6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#26

Hexane

Concen: 1.094 ppbv

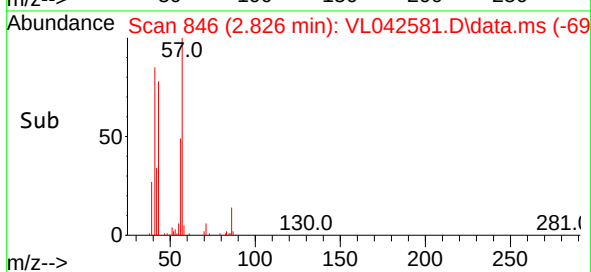
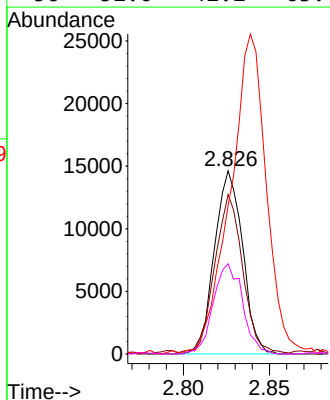
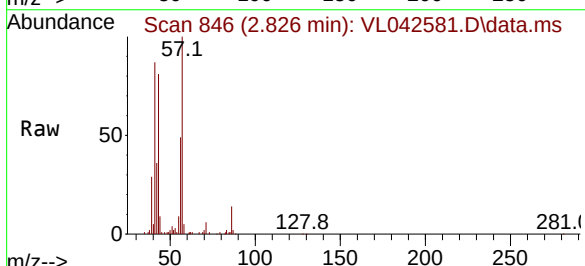
RT: 2.826 min Scan# 846

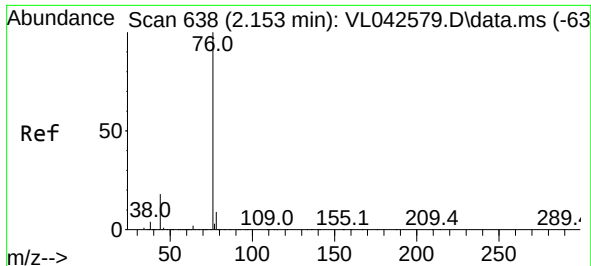
Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

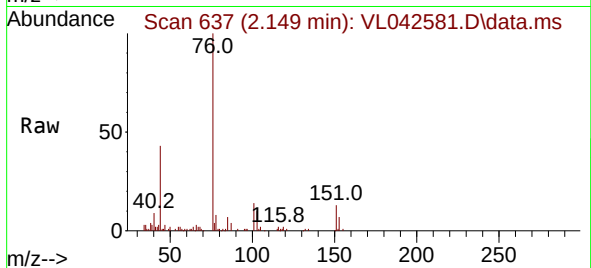
Tgt Ion: 57	Resp: 16686
Ion Ratio	Lower Upper
57 100	
41 86.1	70.6 106.0
43 227.5	181.1 271.7
56 52.0	42.2 63.4





#27
Carbon Disulfide
Concen: 1.102 ppbv
RT: 2.149 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

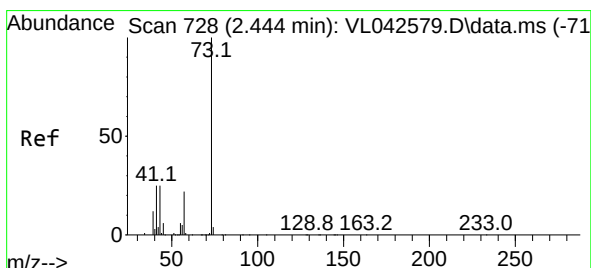
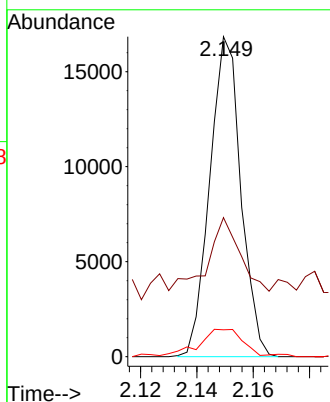
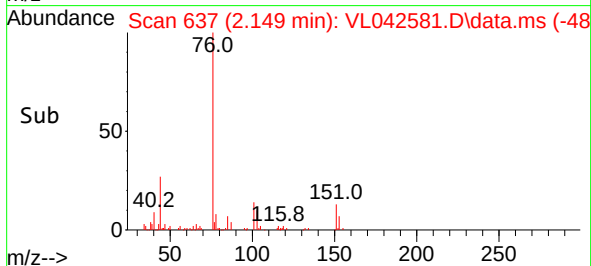
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 76 Resp: 12910
Ion Ratio Lower Upper
76 100
44 83.5 21.3 31.9
78 12.9 9.4 14.0

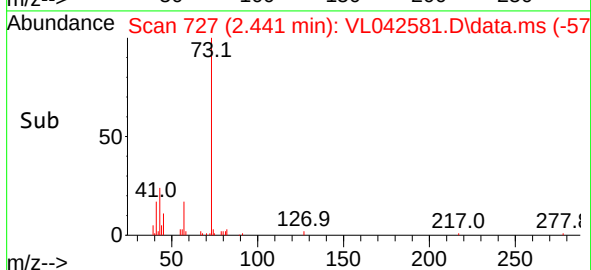
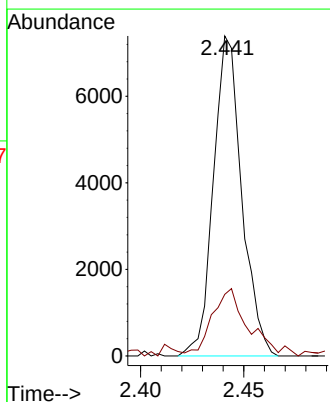
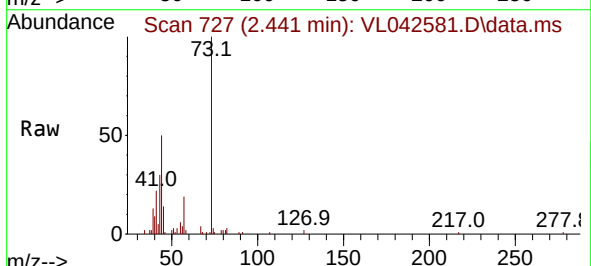
Manual Integrations
APPROVED

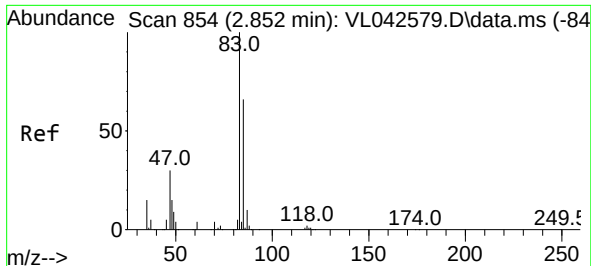
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#28
Methyl tert-Butyl Ether
Concen: 1.141 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 73 Resp: 7064
Ion Ratio Lower Upper
73 100
57 28.6 19.9 29.9





#29

Chloroform

Concen: 1.088 ppbv

RT: 2.849 min Scan# 853

Delta R.T. -0.003 min

Lab File: VL042581.D

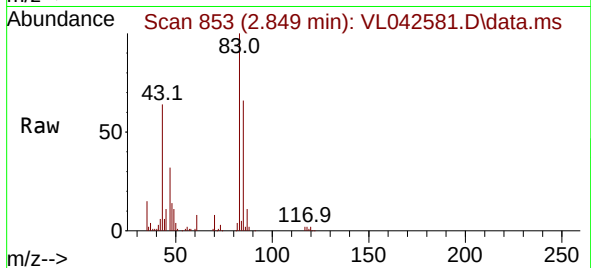
Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001



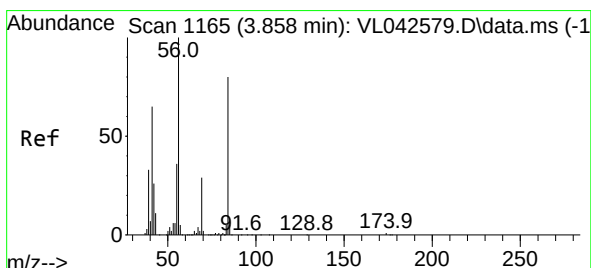
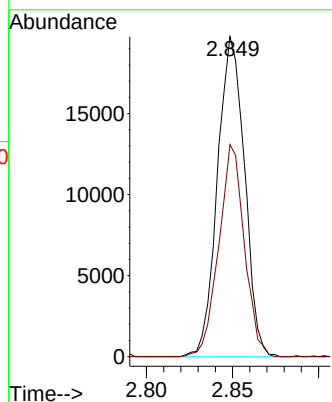
Tgt Ion: 83 Resp: 21594

Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.8	79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#30

Cyclohexane

Concen: 1.098 ppbv

RT: 3.858 min Scan# 1165

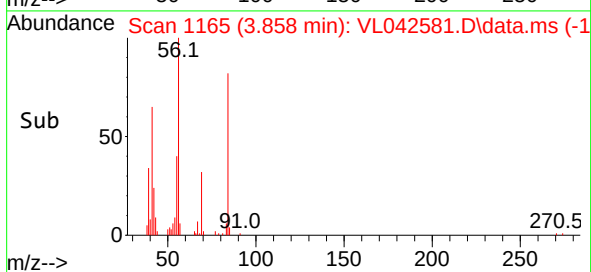
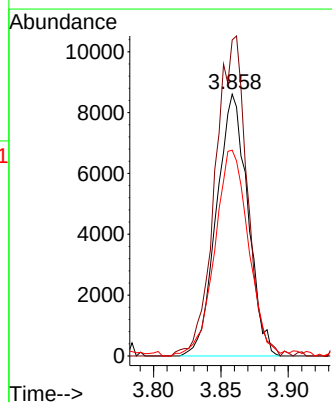
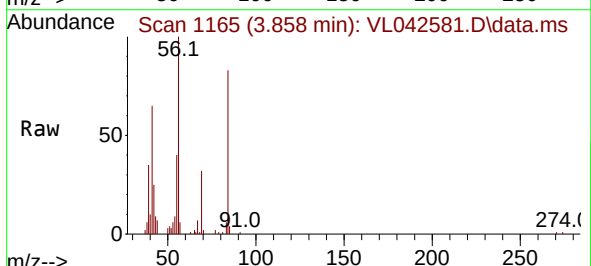
Delta R.T. 0.000 min

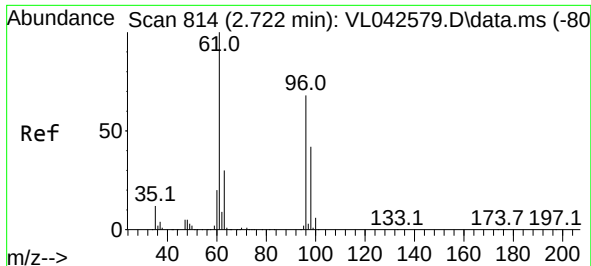
Lab File: VL042581.D

Acq: 29 May 2025 12:15

Tgt Ion: 84 Resp: 13889

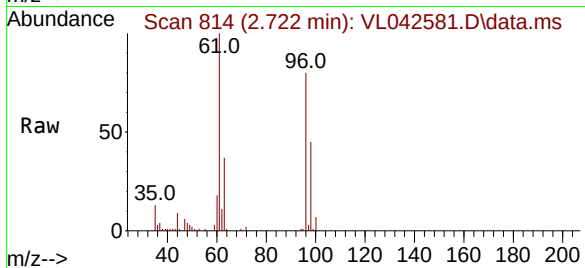
Ion	Ratio	Lower	Upper
84	100		
56	124.8	103.7	155.5
41	85.8	65.1	97.7





#31
 cis-1,2-Dichloroethene
 Concen: 1.066 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

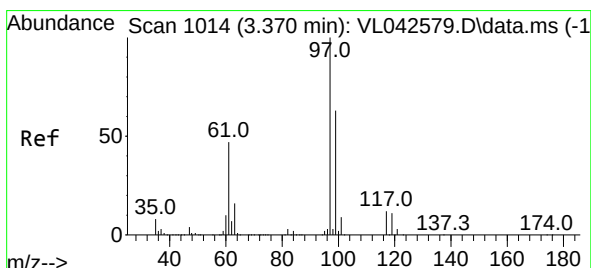
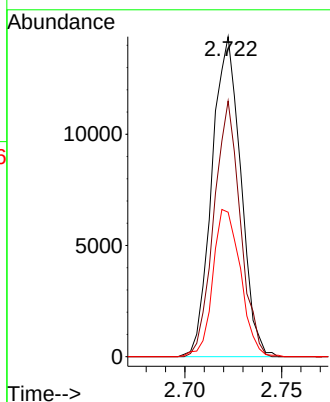
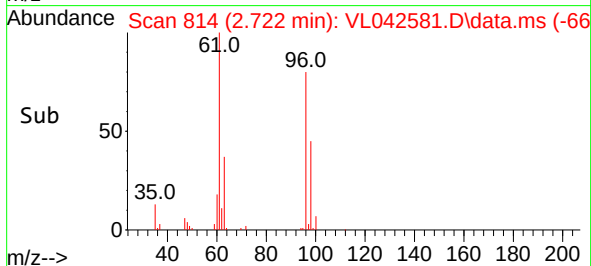
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



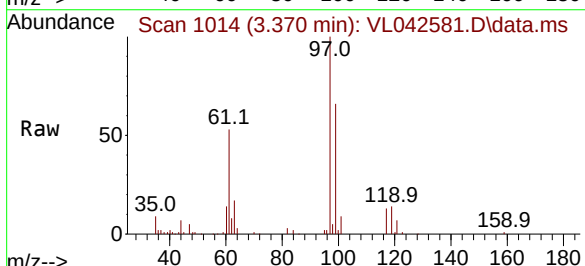
Tgt Ion: 61 Resp: 14880
 Ion Ratio Lower Upper
 61 100
 96 79.9 54.5 81.7
 98 45.2 33.4 50.2

Manual Integrations
 APPROVED

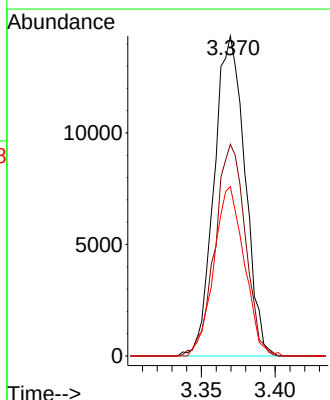
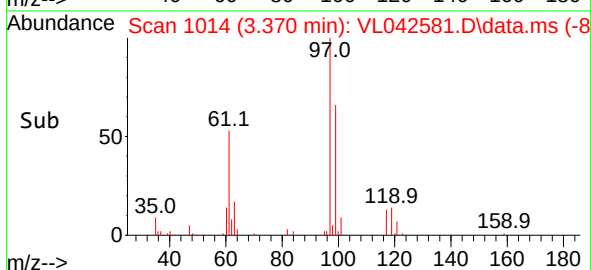
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025

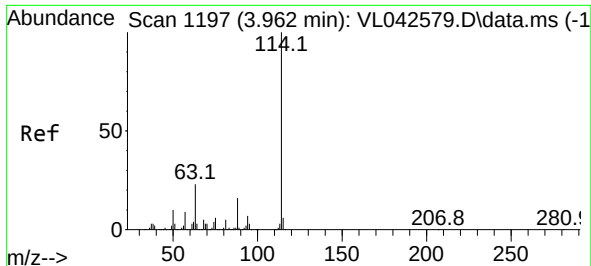


#32
 1,1,1-Trichloroethane
 Concen: 1.045 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.000 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15



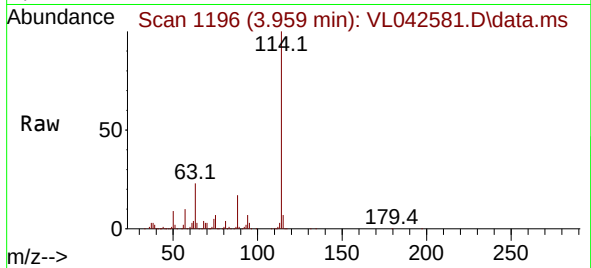
Tgt Ion: 97 Resp: 20811
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.0 76.6
 61 52.3 39.4 59.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

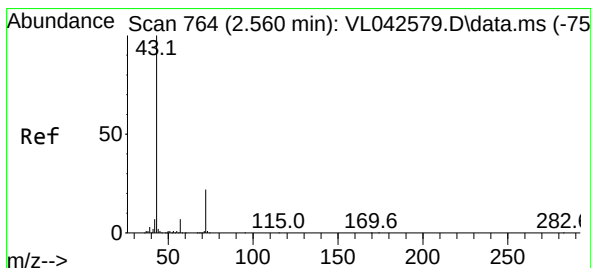
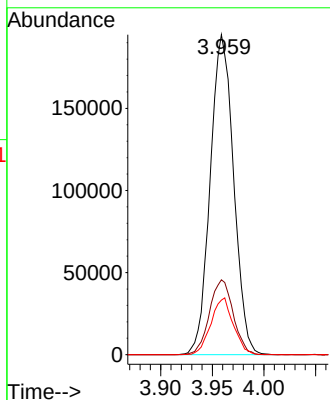
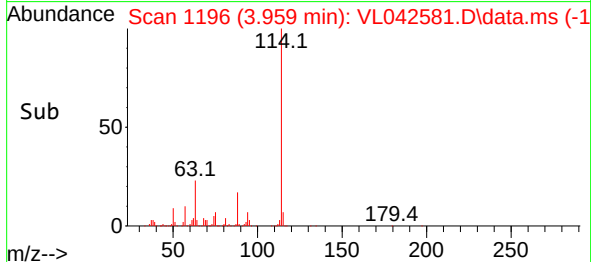
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:114 Resp: 307159
Ion Ratio Lower Upper
114 100
63 23.8 19.0 28.6
88 17.1 13.6 20.4

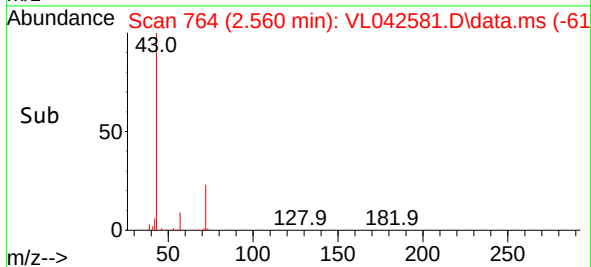
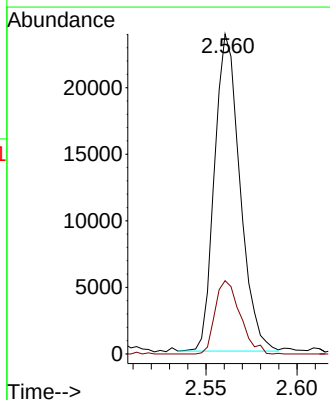
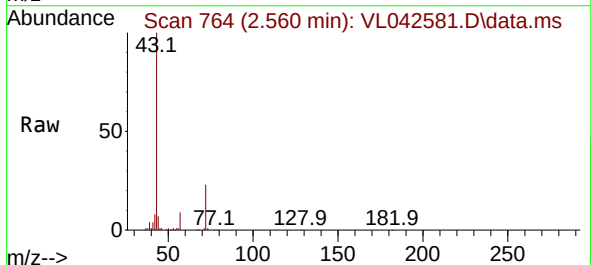
Manual Integrations
APPROVED

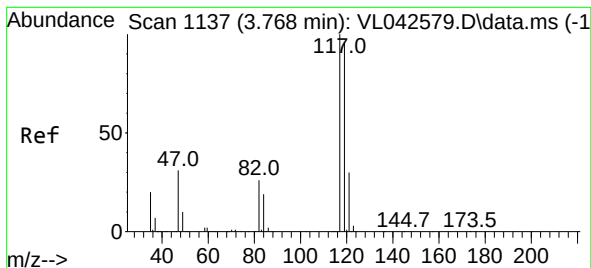
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#34
2-Butanone
Concen: 1.057 ppbv
RT: 2.560 min Scan# 764
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 43 Resp: 23148
Ion Ratio Lower Upper
43 100
72 22.7 17.7 26.5





#35

Carbon Tetrachloride

Concen: 1.036 ppbv

RT: 3.765 min Scan# 1136

Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

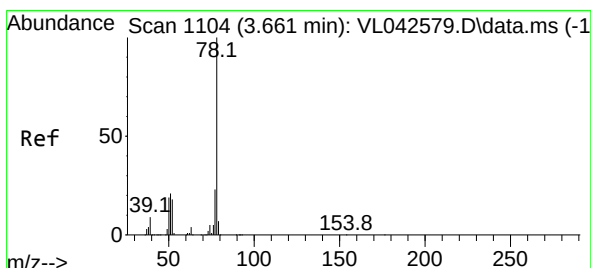
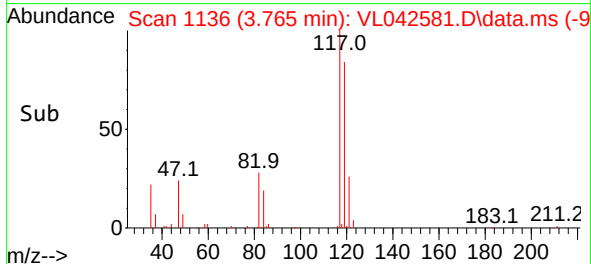
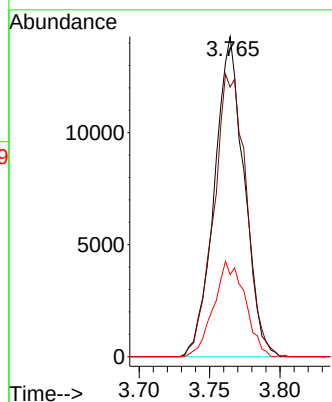
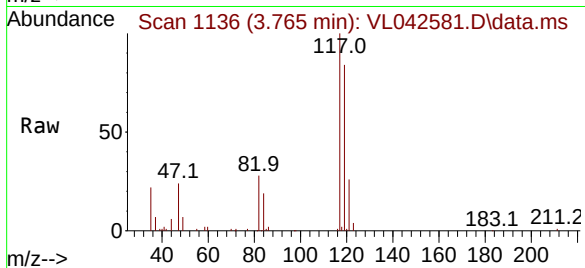
VSTDICC001

Tgt Ion:	117	Resp:	2101
Ion	Ratio	Lower	Upper
117	100		
119	84.3	76.8	115.2
121	25.7	24.3	36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#36

Benzene

Concen: 1.068 ppbv

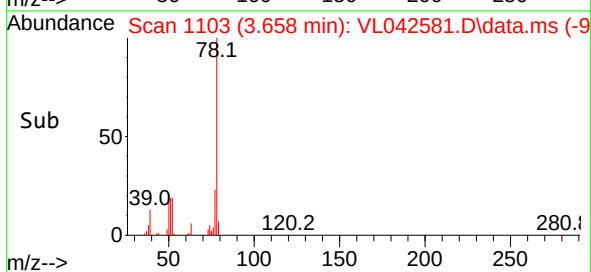
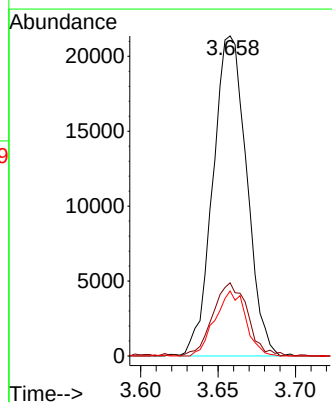
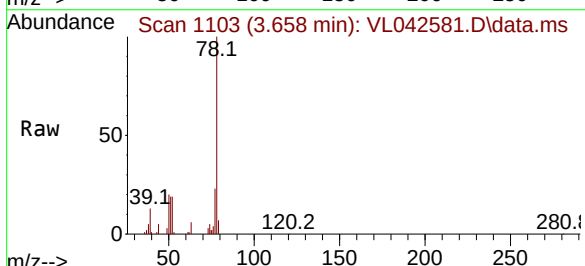
RT: 3.658 min Scan# 1103

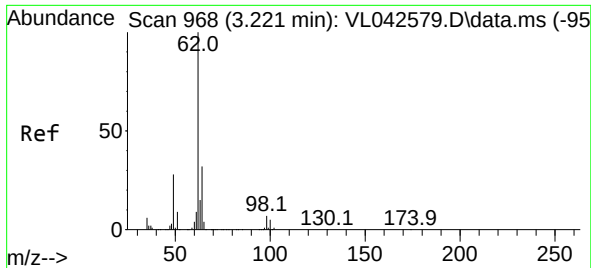
Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Tgt Ion:	78	Resp:	32310
Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.2	27.2
50	20.3	15.2	22.8





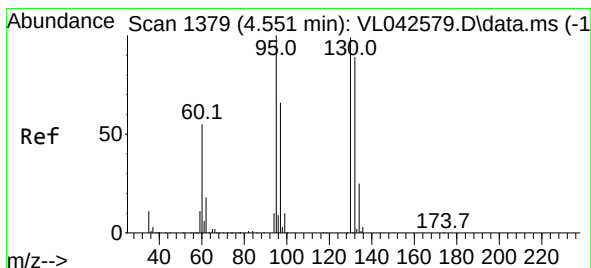
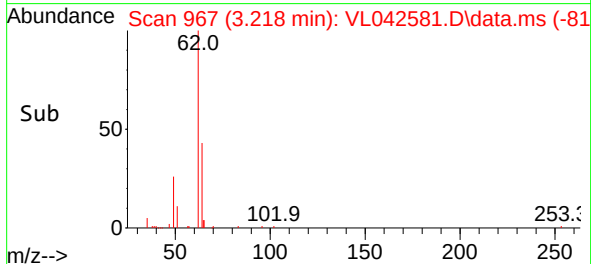
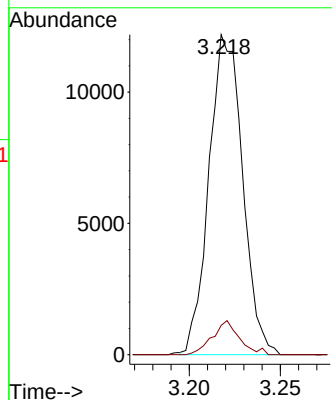
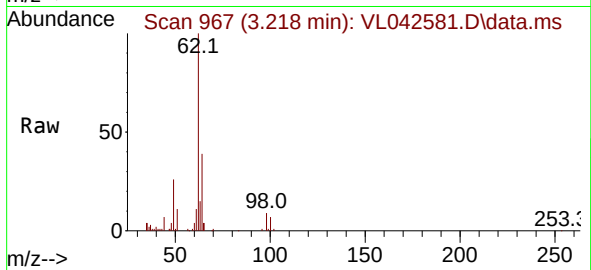
#37
1,2-Dichloroethane
Concen: 1.039 ppbv
RT: 3.218 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 1562
Ion Ratio Lower Upper
62 100
98 8.6 6.1 9.1

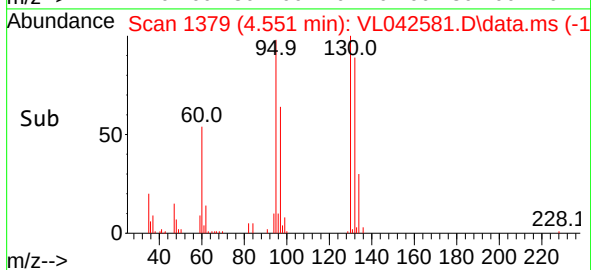
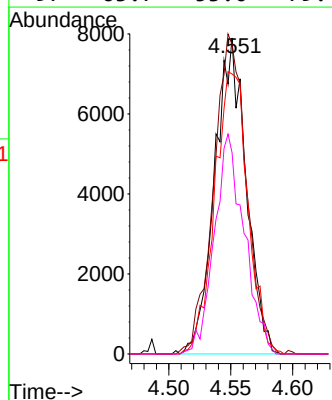
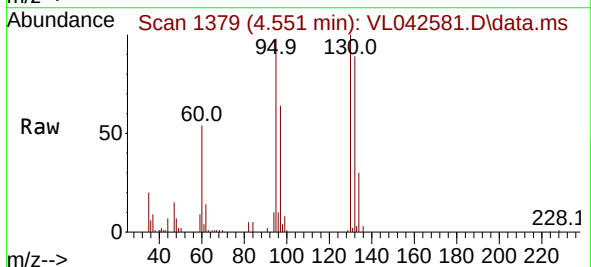
Manual Integrations
APPROVED

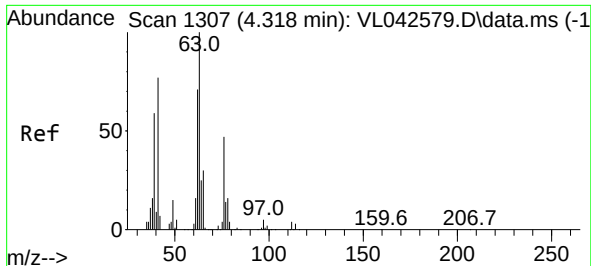
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#38
Trichloroethene
Concen: 1.078 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:130 Resp: 13969
Ion Ratio Lower Upper
130 100
95 97.9 80.6 121.0
132 88.6 71.8 107.6
97 63.7 53.0 79.4





#39

1,2-Dichloropropane

Concen: 1.027 ppbv

RT: 4.321 min Scan# 1308

Delta R.T. 0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

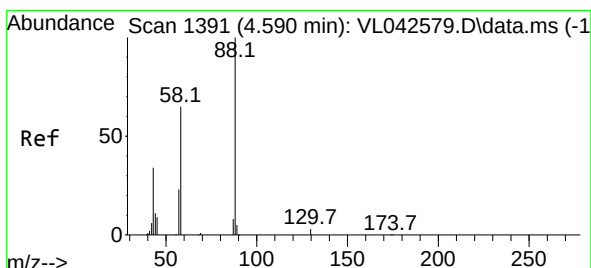
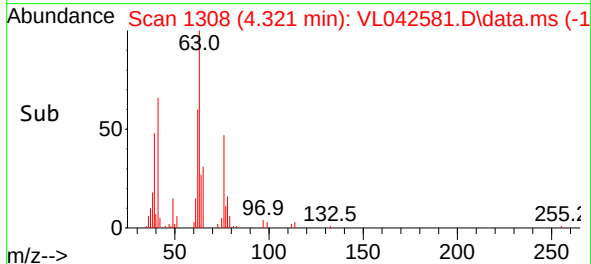
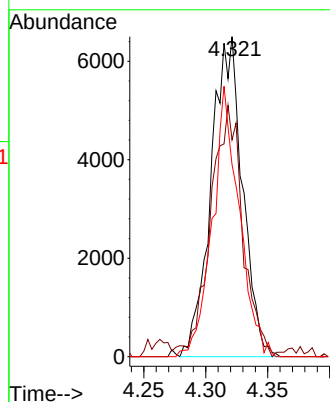
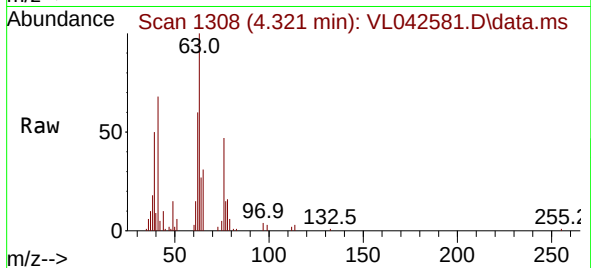
VSTDICC001

Tgt Ion:	63	Resp:	1148
Ion	Ratio	Lower	Upper
63	100		
41	66.4	61.8	92.6
62	60.0	56.6	85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#40

1,4-Dioxane

Concen: 1.153 ppbv m

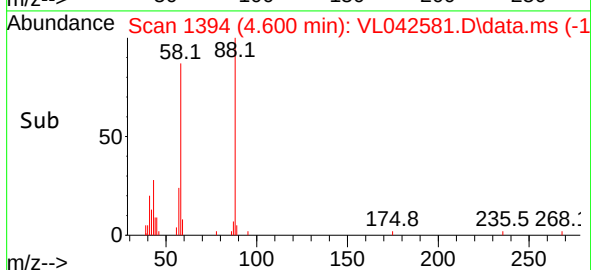
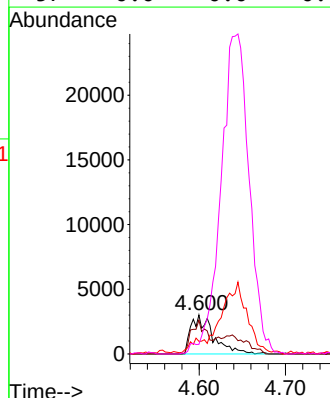
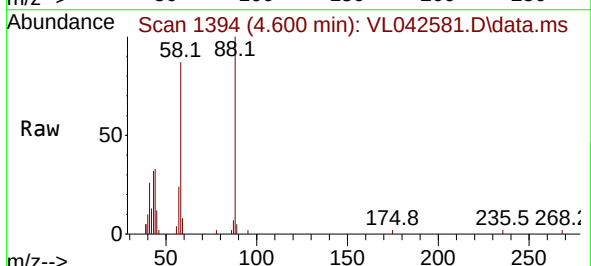
RT: 4.600 min Scan# 1394

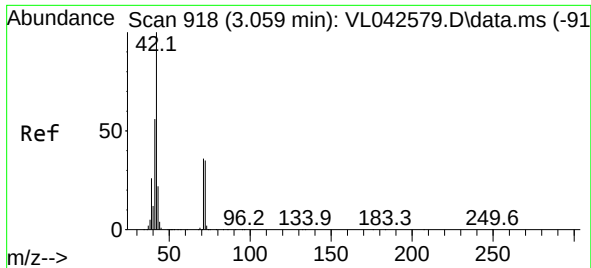
Delta R.T. 0.010 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

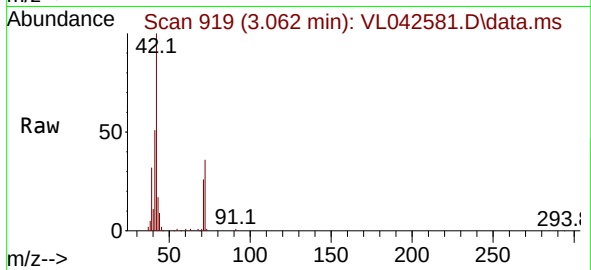
Tgt Ion:	88	Resp:	5479
Ion	Ratio	Lower	Upper
88	100		
58	0.0	55.8	83.8#
43	0.0	24.8	37.2#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 1.069 ppbv
RT: 3.062 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

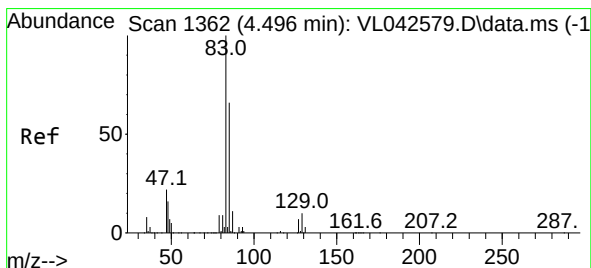
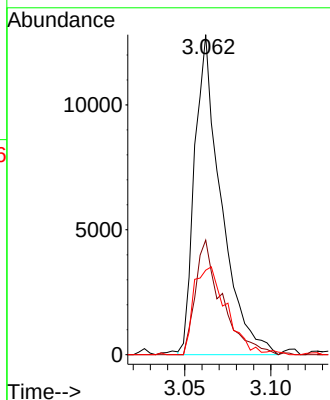
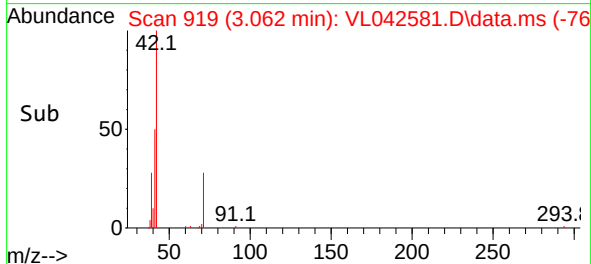
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 42 Resp: 1371
Ion Ratio Lower Upper
42 100
72 36.1 28.9 43.3
71 34.6 28.5 42.7

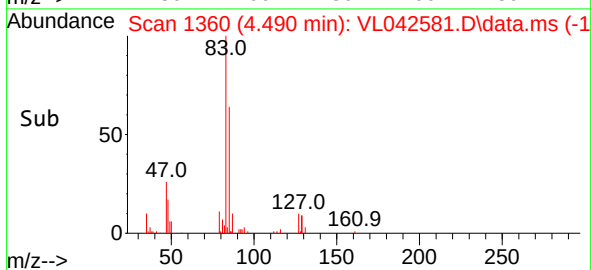
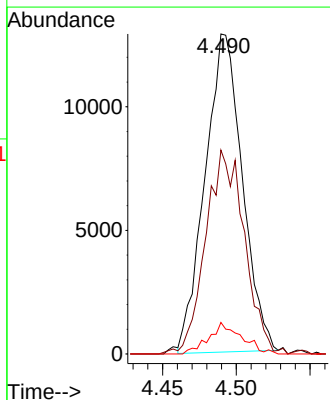
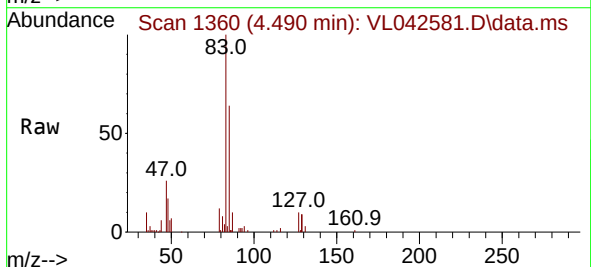
Manual Integrations
APPROVED

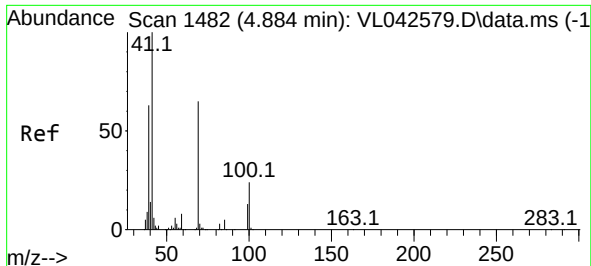
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#42
Bromodichloromethane
Concen: 1.060 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

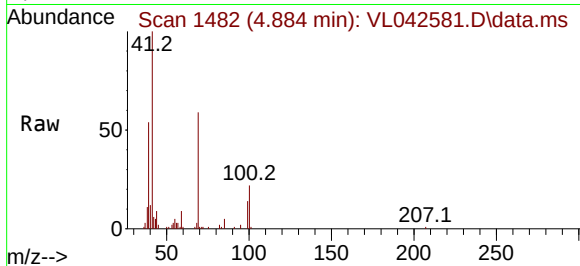
Tgt Ion: 83 Resp: 22628
Ion Ratio Lower Upper
83 100
85 63.4 52.7 79.1
127 10.0 5.8 8.6





#43
Methyl Methacrylate
Concen: 1.007 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

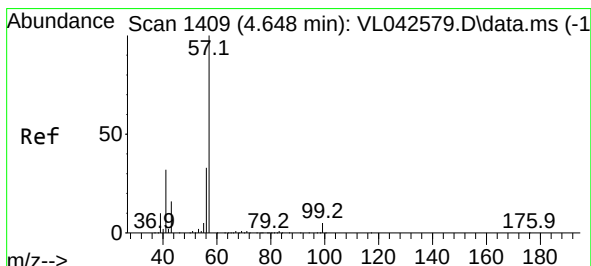
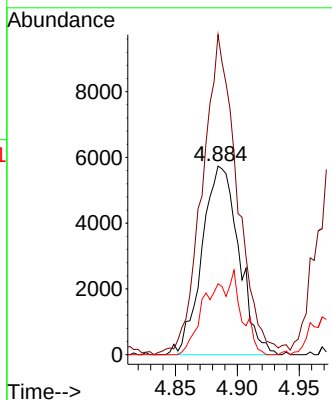
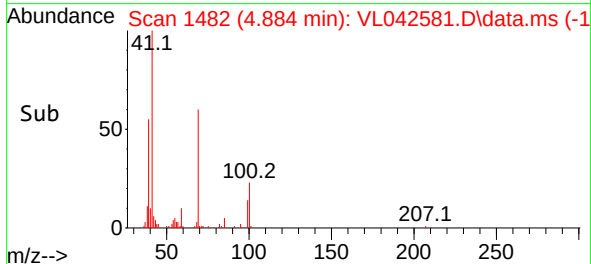
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



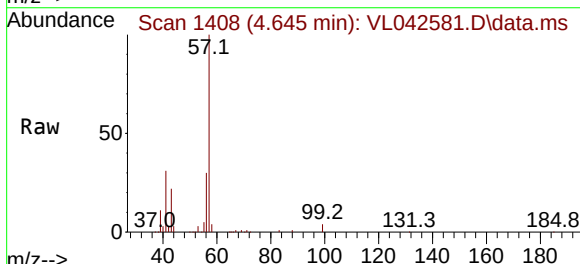
Tgt Ion: 69 Resp: 11810
Ion Ratio Lower Upper
69 100
41 158.9 124.6 187.0
100 41.9 29.9 44.9

Manual Integrations
APPROVED

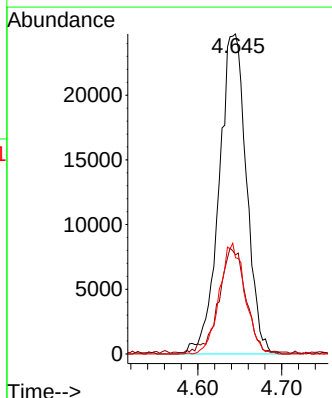
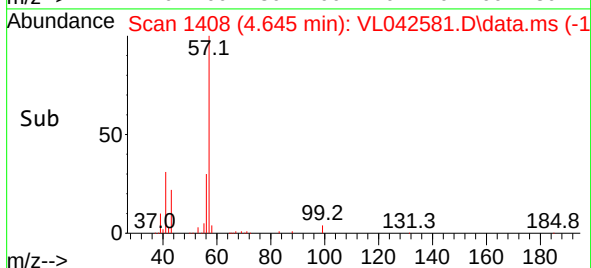
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

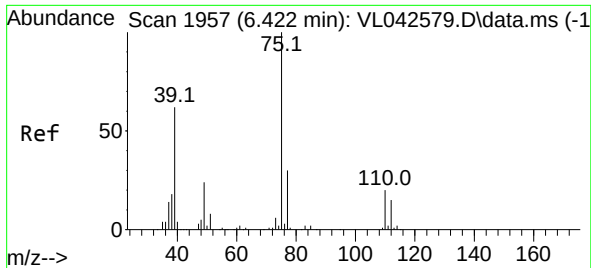


#44
2,2,4-Trimethylpentane
Concen: 1.087 ppbv m
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



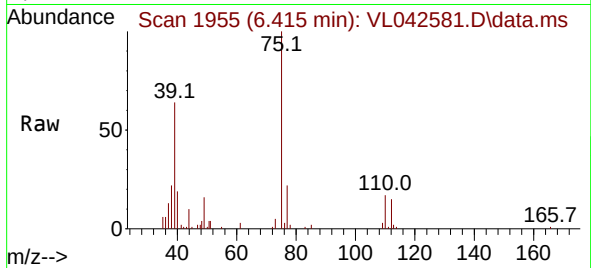
Tgt Ion: 57 Resp: 56202
Ion Ratio Lower Upper
57 100
41 33.5 26.1 39.1
56 32.4 25.9 38.9





#45
 t-1,3-Dichloropropene
 Concen: 1.041 ppbv m
 RT: 6.415 min Scan# 1957
 Delta R.T. -0.006 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

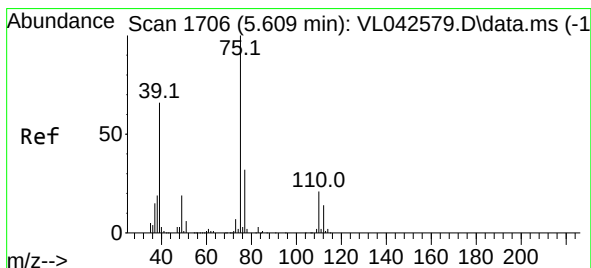
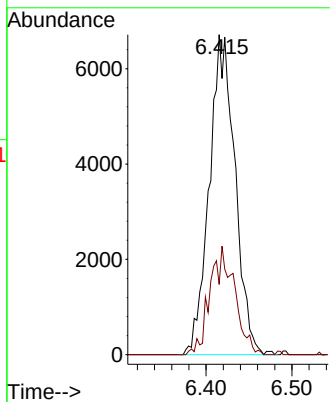
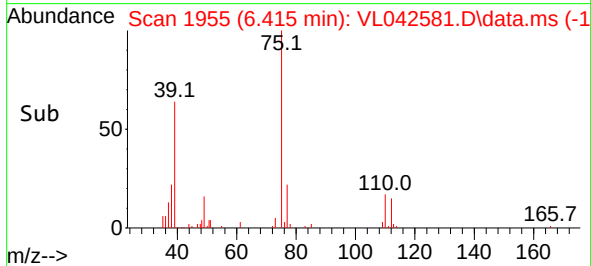
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 75 Resp: 1398
 Ion Ratio Lower Upper
 75 100
 77 22.0 24.2 36.2

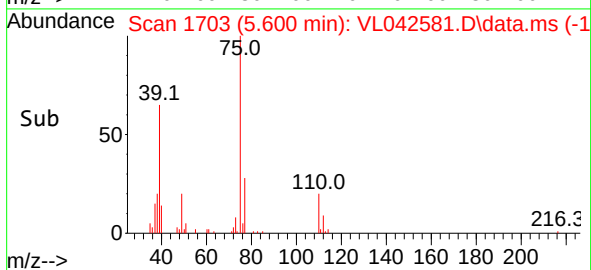
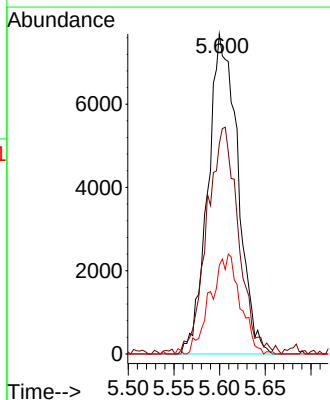
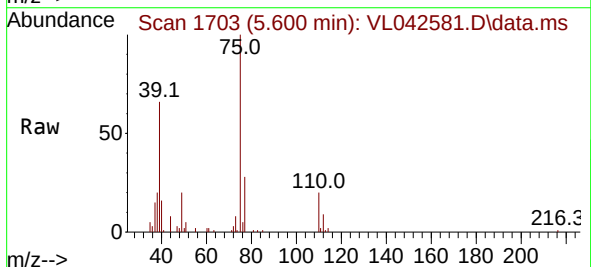
Manual Integrations
 APPROVED

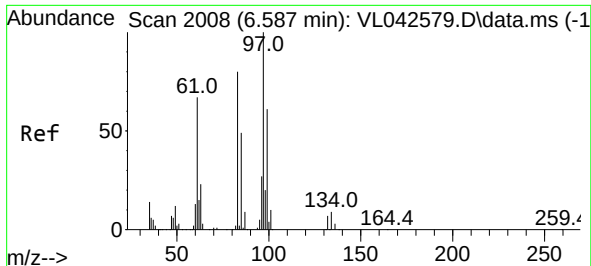
Reviewed By :Semsettin Yesilyurt 05/30/2025
 Supervised By :Mahesh Dadoda 05/30/2025



#46
 cis-1,3-Dichloropropene
 Concen: 1.037 ppbv m
 RT: 5.600 min Scan# 1703
 Delta R.T. -0.010 min
 Lab File: VL042581.D
 Acq: 29 May 2025 12:15

Tgt Ion: 75 Resp: 17453
 Ion Ratio Lower Upper
 75 100
 39 65.7 52.7 79.1
 77 27.8 25.8 38.8





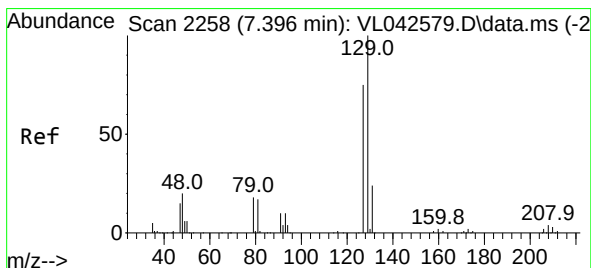
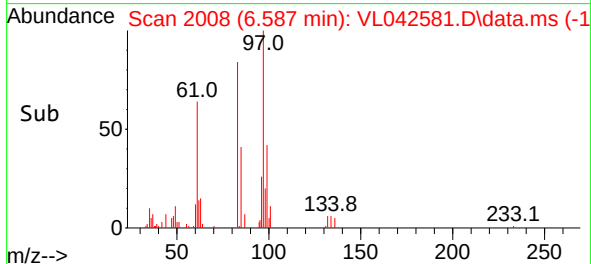
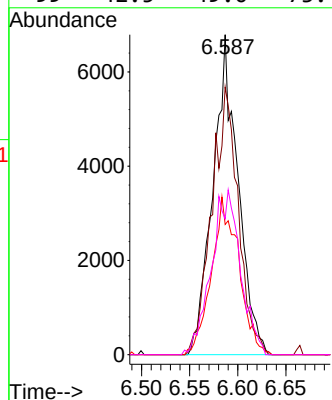
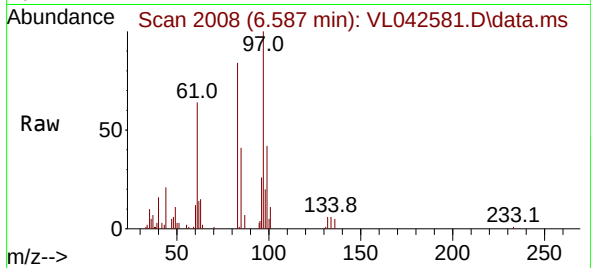
#47
1,1,2-Trichloroethane
Concen: 1.065 ppbv m
RT: 6.587 min Scan# 2008
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 12328
Ion Ratio Lower Upper
97 100
83 83.6 63.9 95.9
85 40.7 39.2 58.8
99 42.5 49.0 73.4#

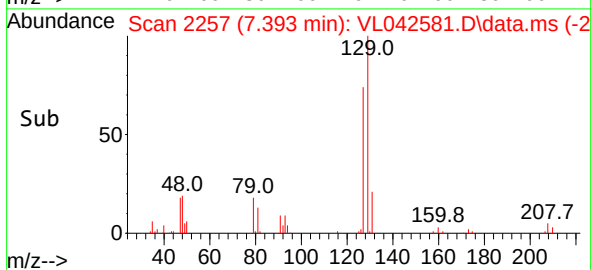
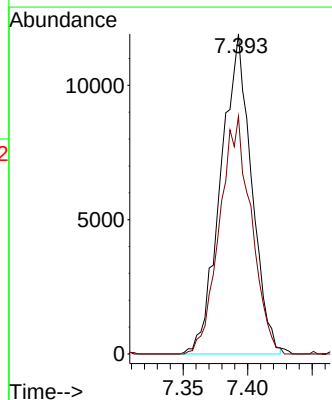
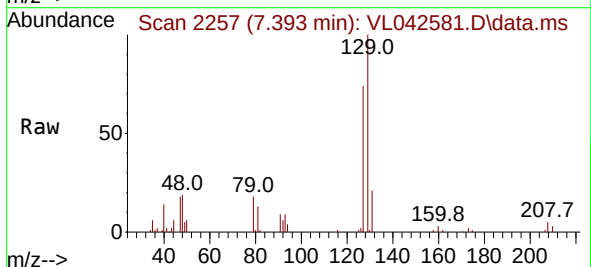
Manual Integrations
APPROVED

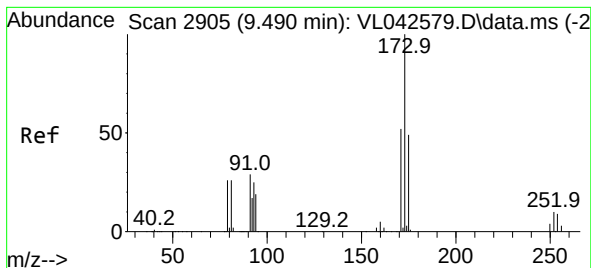
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#48
Dibromochloromethane
Concen: 1.064 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:129 Resp: 19719
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#49

Bromoform

Concen: 0.996 ppbv

RT: 9.484 min Scan# 2905

Delta R.T. -0.006 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

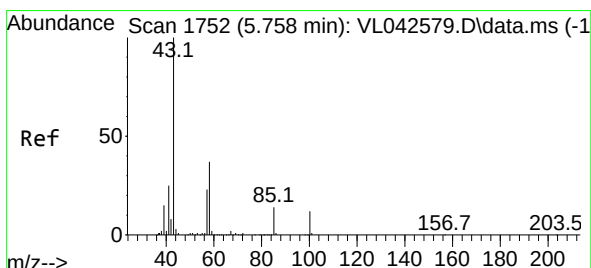
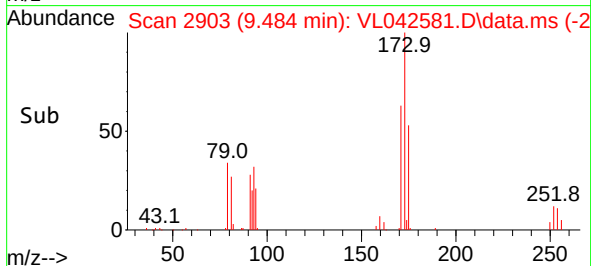
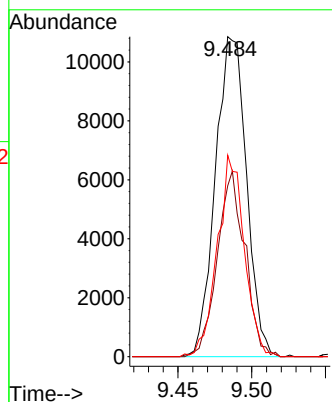
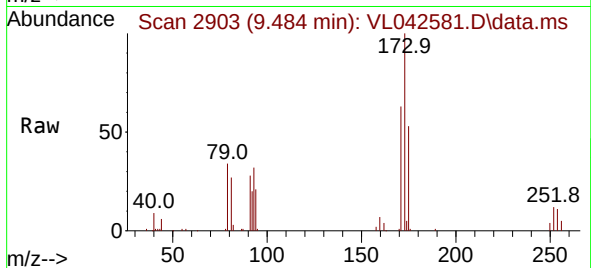
VSTDICC001

Tgt Ion:	173	Resp:	1593
Ion Ratio	Lower	Upper	
173	100		
175	51.3	38.7	58.1
171	54.6	41.2	61.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#50

4-Methyl-2-Pentanone

Concen: 1.037 ppbv

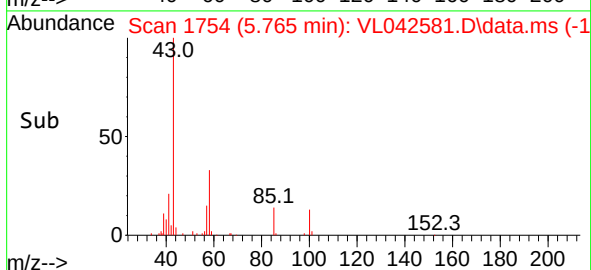
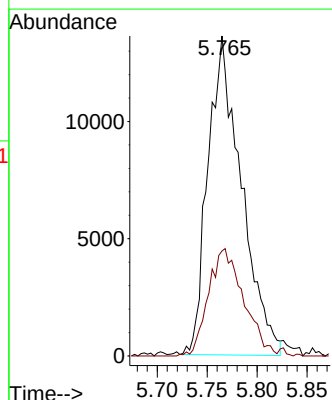
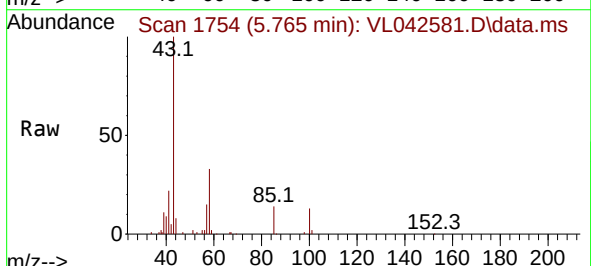
RT: 5.765 min Scan# 1754

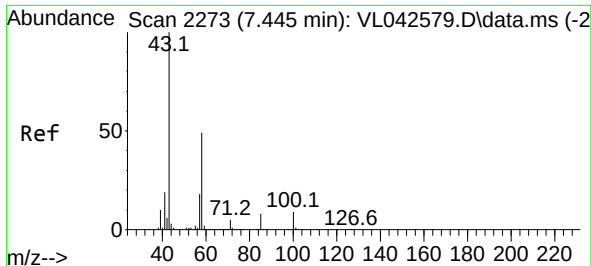
Delta R.T. 0.007 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

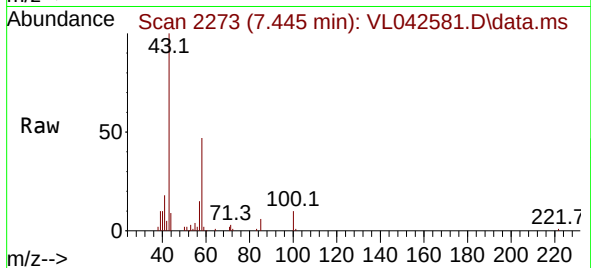
Tgt Ion:	43	Resp:	31646
Ion Ratio	Lower	Upper	
43	100		
58	36.0	28.3	42.5





#51
2-Hexanone
Concen: 1.043 ppbv
RT: 7.445 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

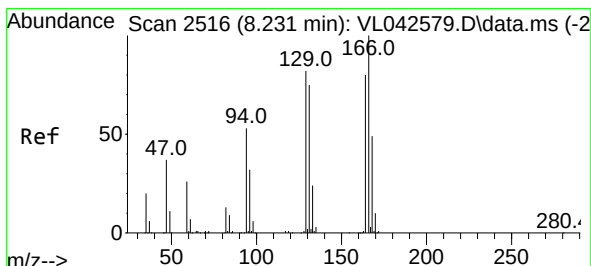
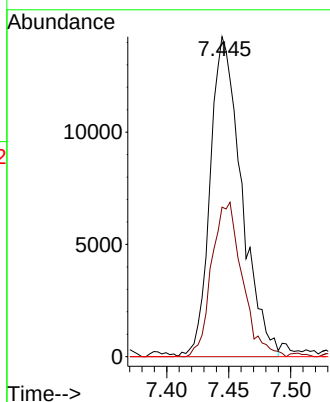
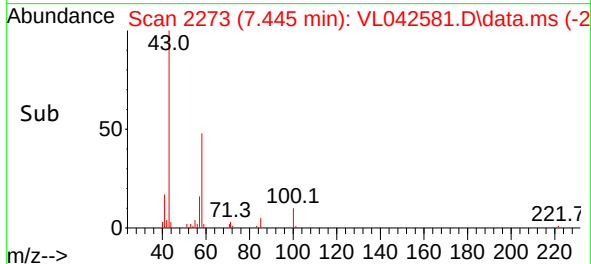
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



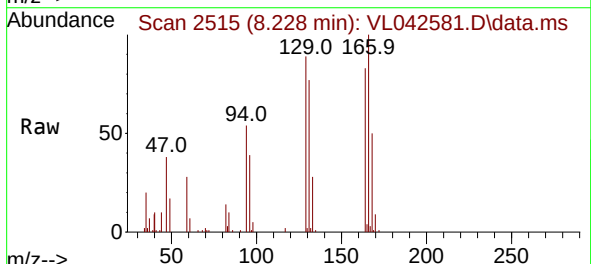
Tgt Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
58 47.5 39.9 59.9
98 0.1 0.1 0.1

Manual Integrations
APPROVED

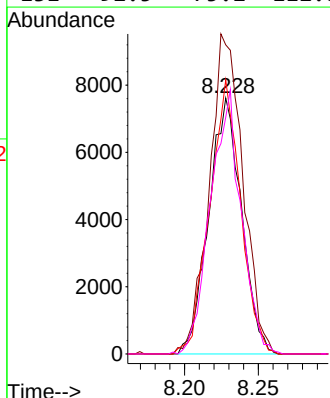
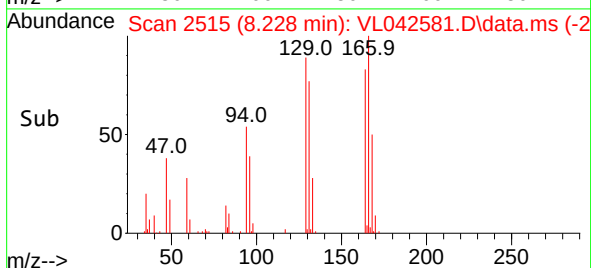
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

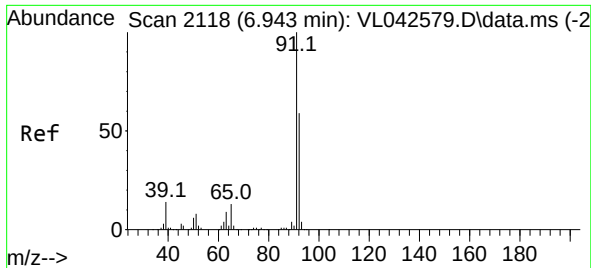


#52
Tetrachloroethene
Concen: 1.041 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



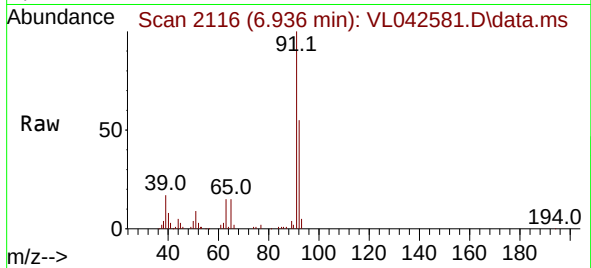
Tgt Ion:164 Resp: 11770
Ion Ratio Lower Upper
164 100
166 120.8 100.0 150.0
129 107.2 82.2 123.4
131 92.5 75.2 112.8





#53
Toluene
Concen: 1.045 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.006 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

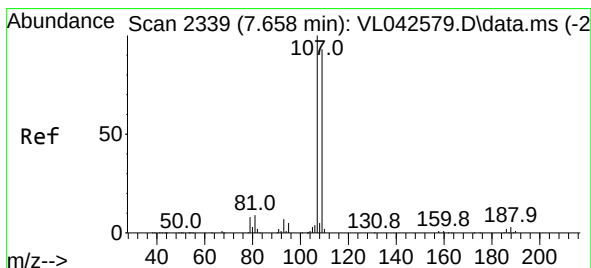
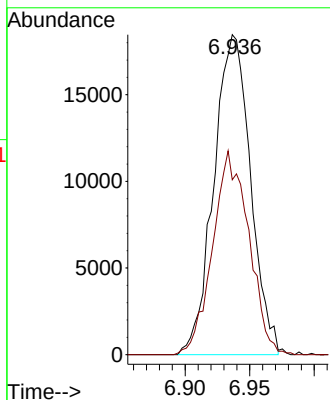
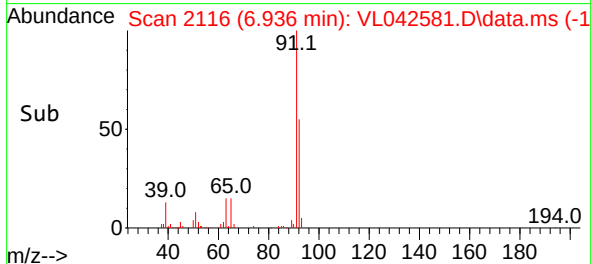
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



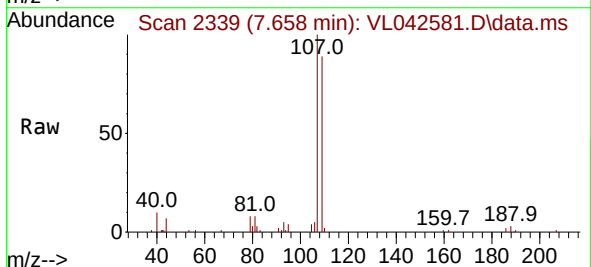
Tgt Ion: 91 Resp: 36540
Ion Ratio Lower Upper
91 100
92 62.6 48.2 72.4

Manual Integrations
APPROVED

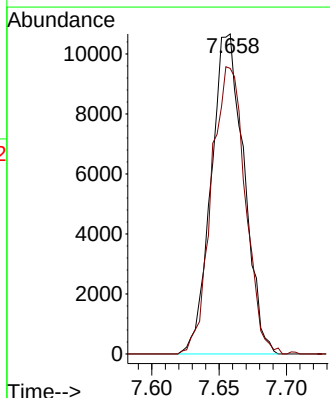
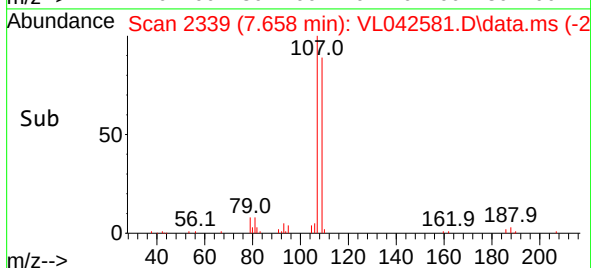
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

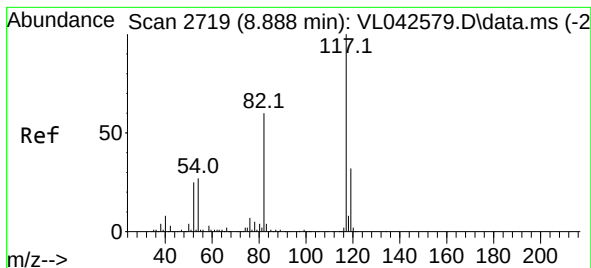


#54
1,2-Dibromoethane
Concen: 1.055 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



Tgt Ion:107 Resp: 18114
Ion Ratio Lower Upper
107 100
109 89.3 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2719

Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

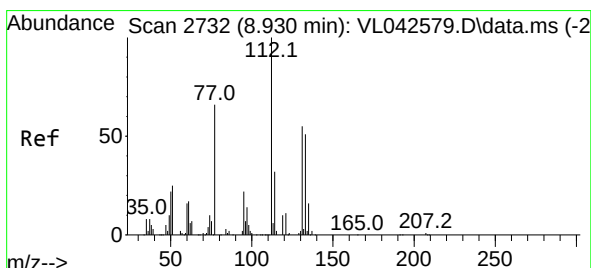
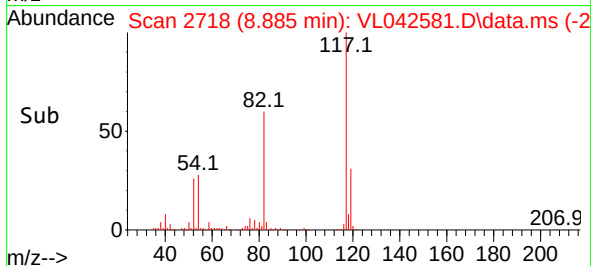
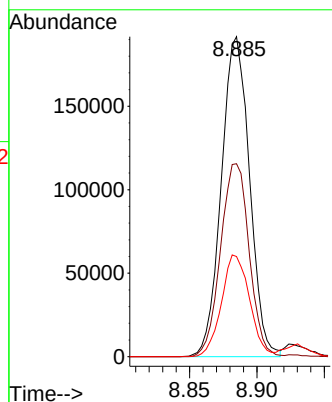
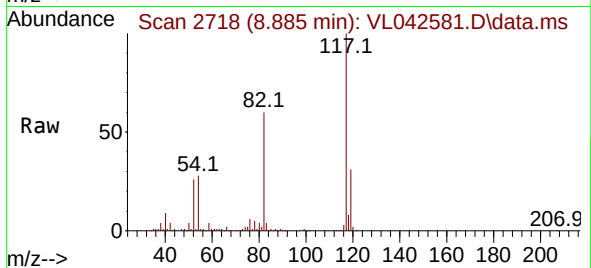
VSTDIC001

Tgt Ion:	117	Resp:	27940
Ion Ratio	Lower	Upper	
117	100		
82	61.5	51.2	76.8
119	31.7	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 1.066 ppbv

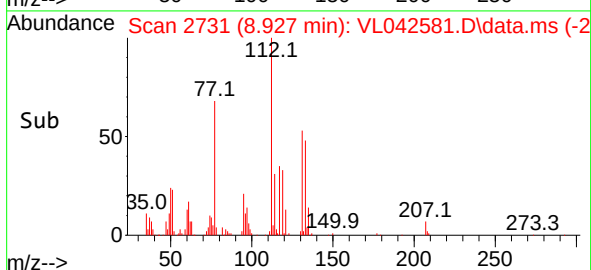
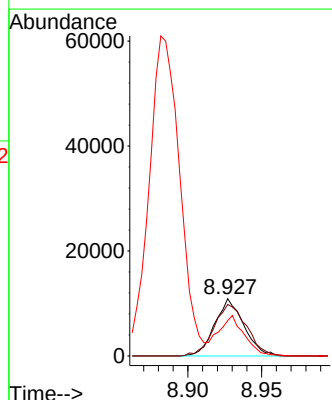
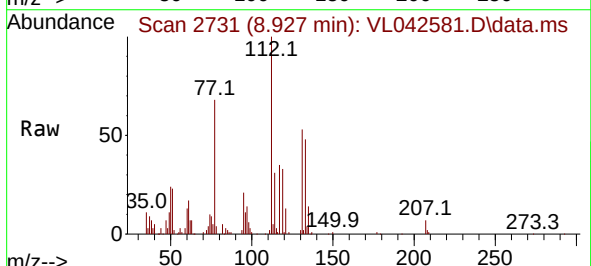
RT: 8.927 min Scan# 2731

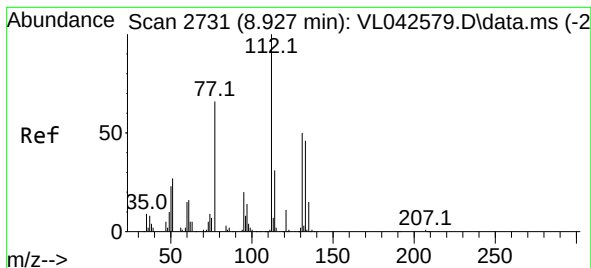
Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Tgt Ion:	131	Resp:	14971
Ion Ratio	Lower	Upper	
131	100		
133	101.1	75.0	112.6
119	62.0	50.8	76.2





#57

Chlorobenzene

Concen: 1.058 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.000 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

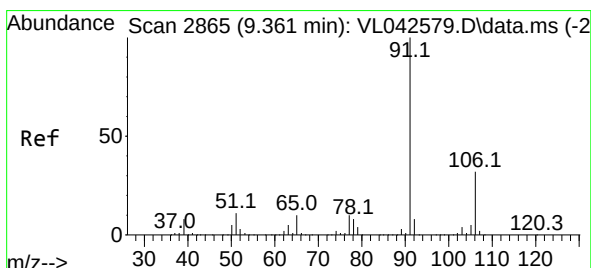
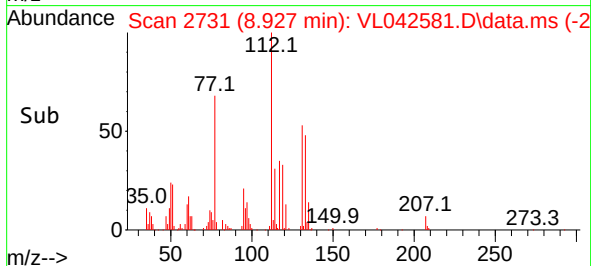
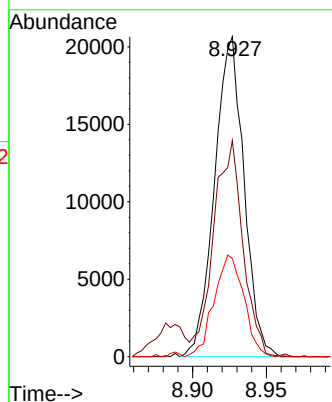
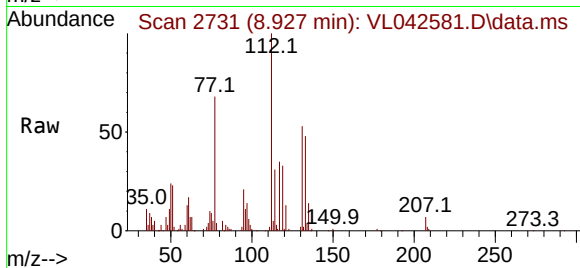
VSTDICC001

Tgt Ion:	112	Resp:	28714
Ion Ratio	Lower	Upper	
112	100		
77	67.1	53.5	80.3
114	30.4	27.8	34.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#58

Ethyl Benzene

Concen: 1.053 ppbv

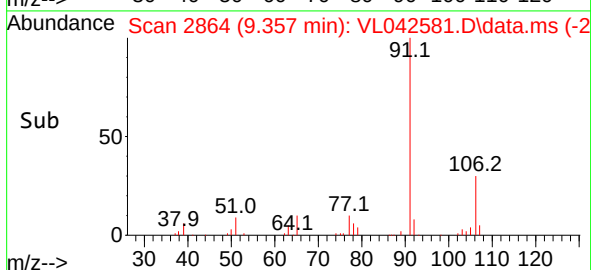
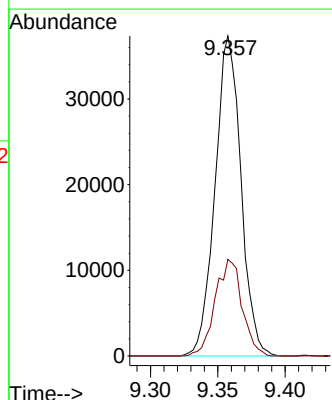
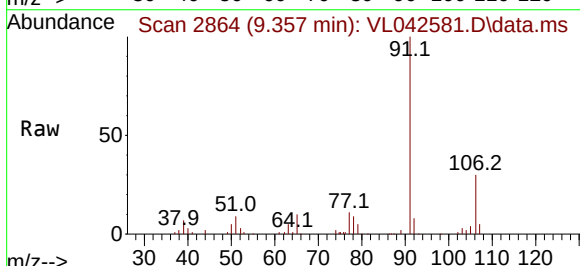
RT: 9.357 min Scan# 2864

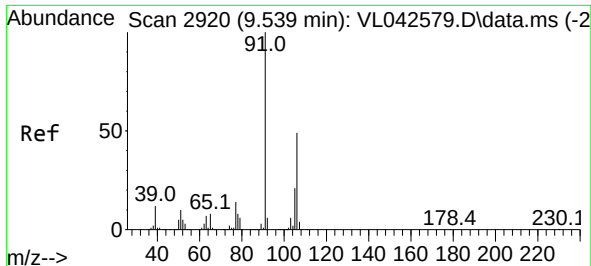
Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Tgt Ion:	91	Resp:	49899
Ion Ratio	Lower	Upper	
91	100		
106	30.2	25.9	38.9





#59

m/p-Xylene

Concen: 2.115 ppbv m

RT: 9.535 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 7889

Ion Ratio Lower Upper

91 100

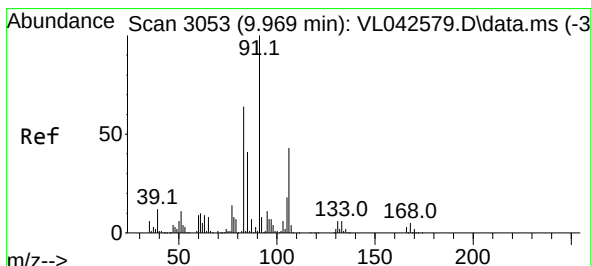
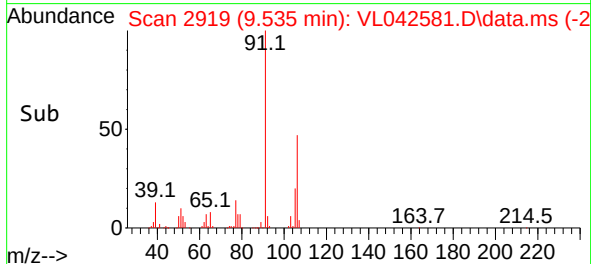
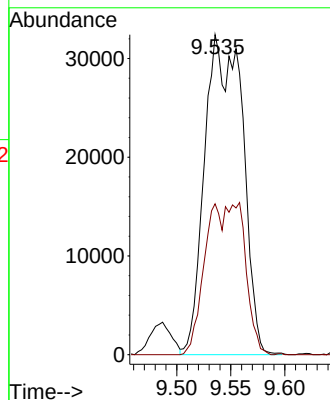
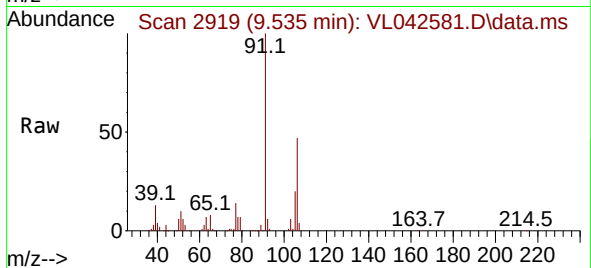
106 0.0 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#60

o-Xylene

Concen: 1.059 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL042581.D

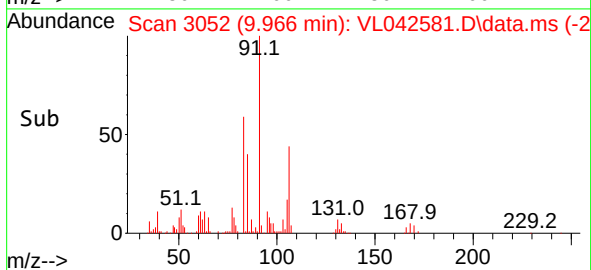
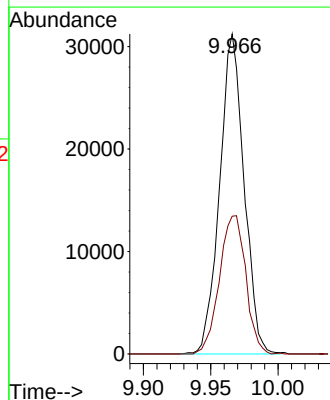
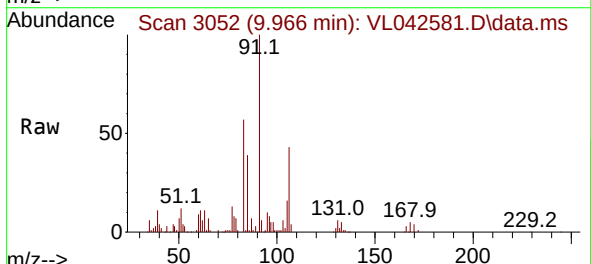
Acq: 29 May 2025 12:15

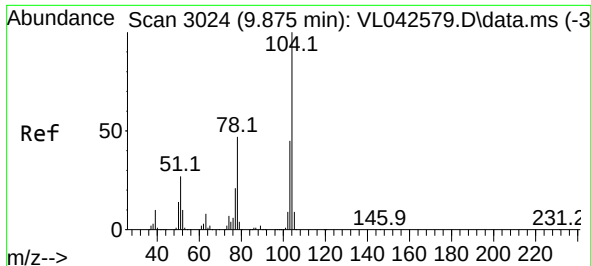
Tgt Ion: 91 Resp: 39398

Ion Ratio Lower Upper

91 100

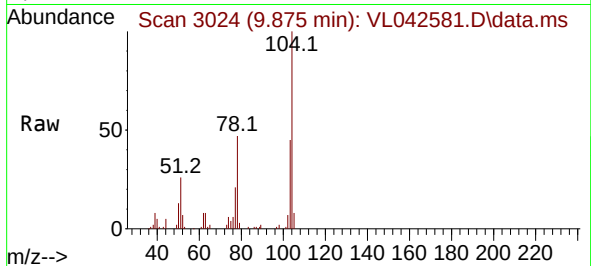
106 46.6 22.9 68.5





#61
Styrene
Concen: 1.045 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

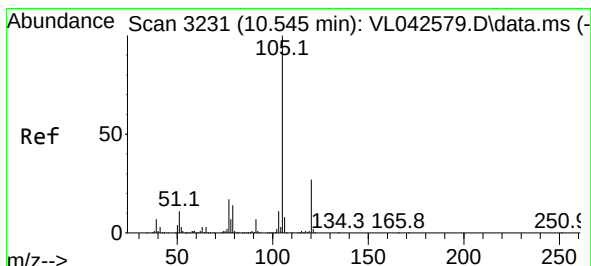
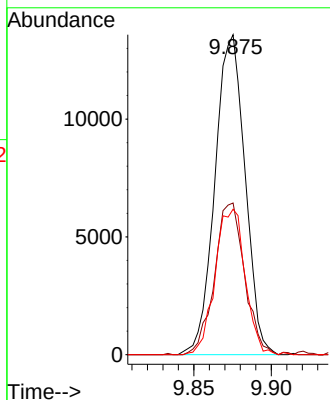
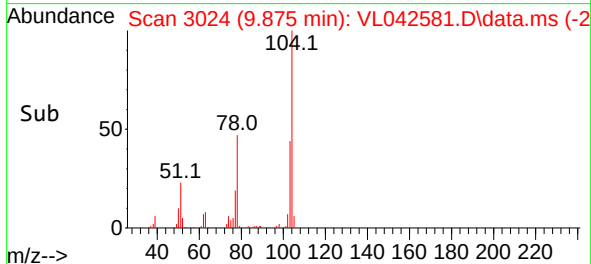
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



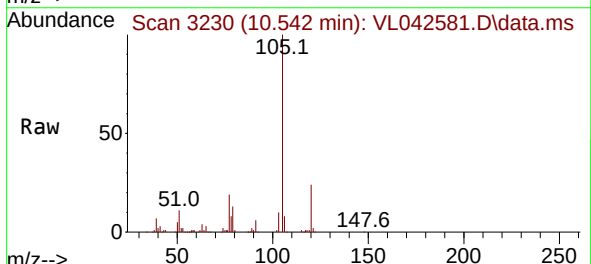
Tgt Ion:104 Resp: 1837
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.4
103 45.5 36.7 55.1

Manual Integrations
APPROVED

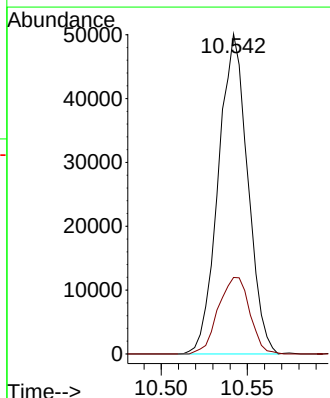
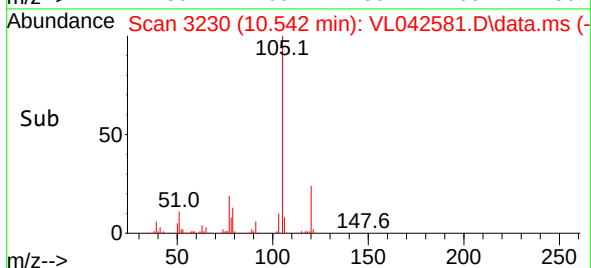
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

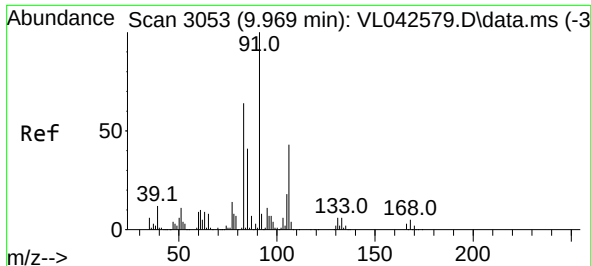


#62
Isopropylbenzene
Concen: 1.083 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



Tgt Ion:105 Resp: 59492
Ion Ratio Lower Upper
105 100
120 25.5 20.9 31.3





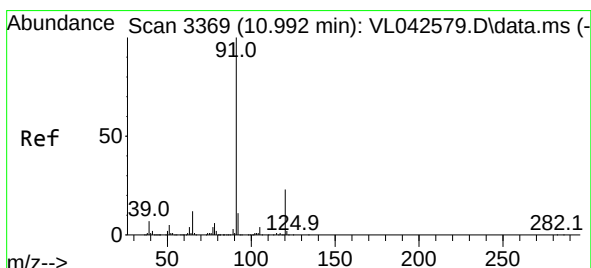
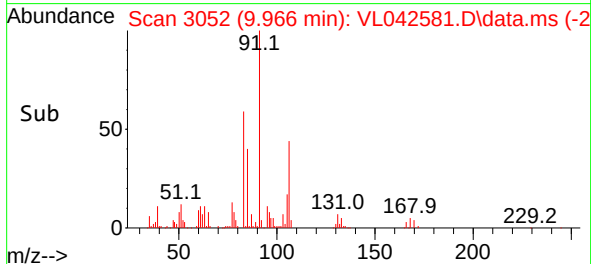
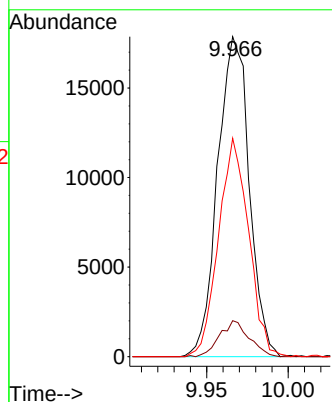
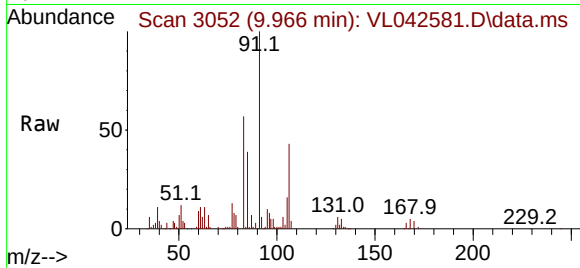
#63
1,1,2,2-Tetrachloroethane
Concen: 1.017 ppbv
RT: 9.966 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument : MSVOA_L
ClientSampleId : VSTDIC001

Tgt Ion: 83 Resp: 2405
Ion Ratio Lower Upper
83 100
131 10.5 4.8 14.4
85 65.3 32.5 97.4

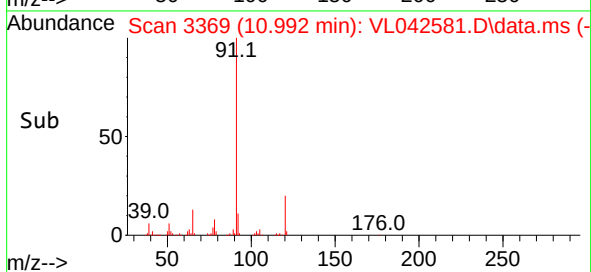
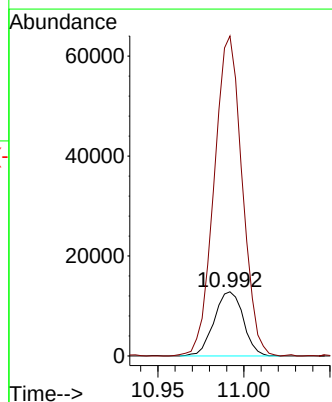
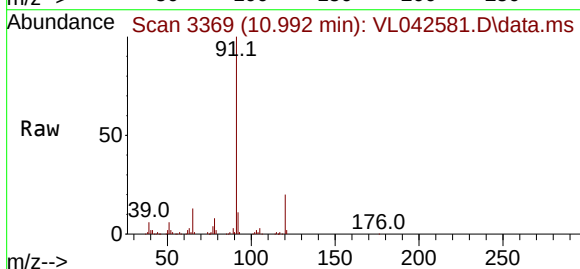
Manual Integrations
APPROVED

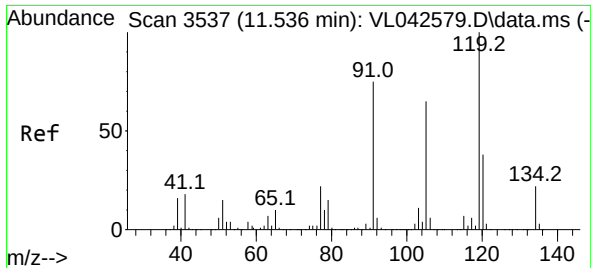
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#64
n-propylbenzene
Concen: 1.026 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

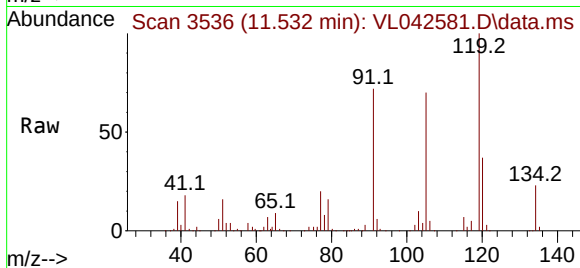
Tgt Ion:120 Resp: 15107
Ion Ratio Lower Upper
120 100
91 480.9 363.0 544.6





#65
tert-Butylbenzene
Concen: 1.077 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

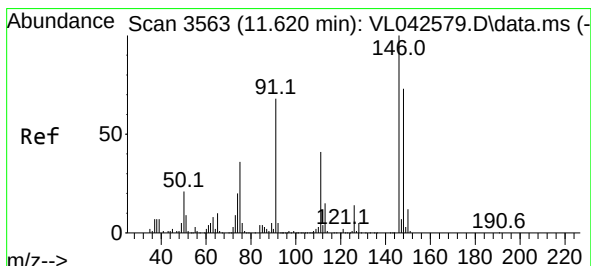
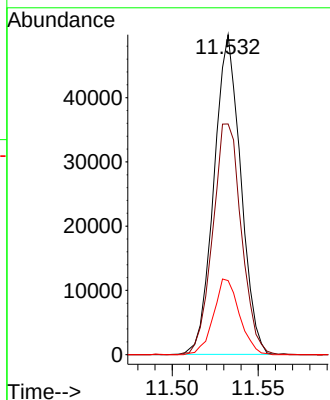
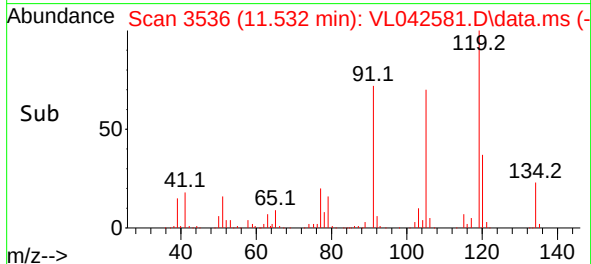
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 119 Resp: 53720
Ion Ratio Lower Upper
119 100
91 77.4 61.1 91.7
134 23.0 17.4 26.2

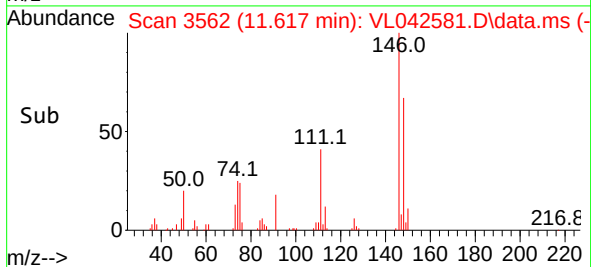
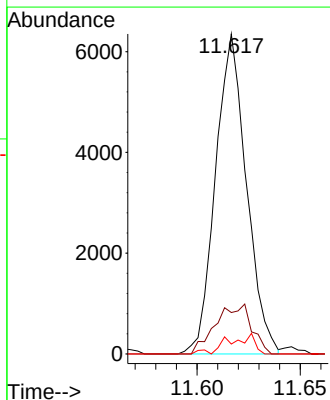
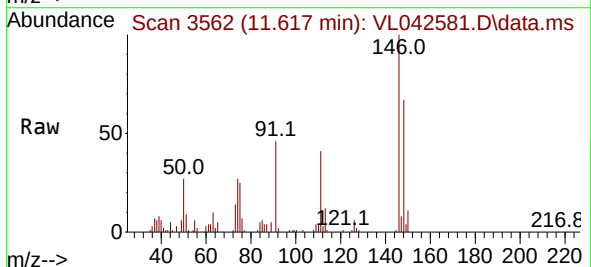
Manual Integrations
APPROVED

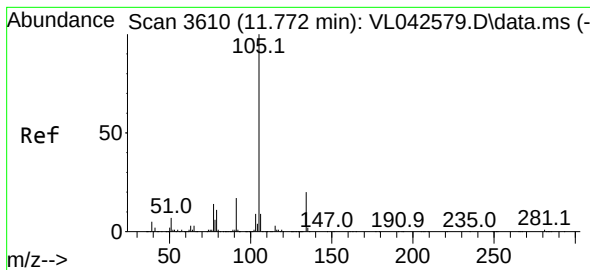
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#66
Benzyl Chloride
Concen: 1.029 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion: 91 Resp: 6617
Ion Ratio Lower Upper
91 100
126 18.1 15.1 22.7
128 5.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 1.093 ppbv

RT: 11.769 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 7663

Ion Ratio Lower Upper

105 100

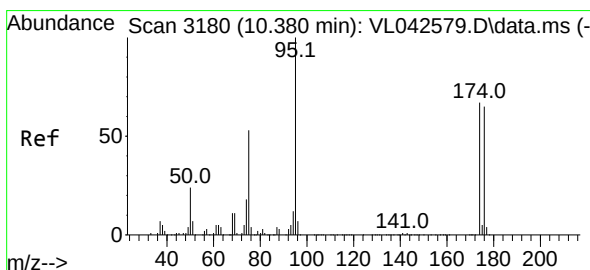
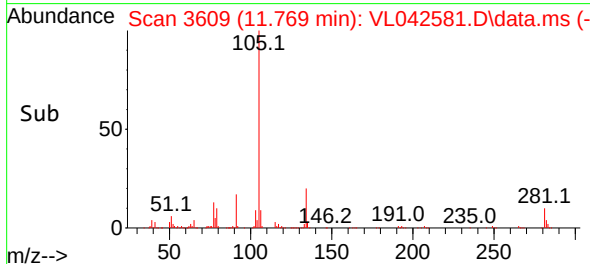
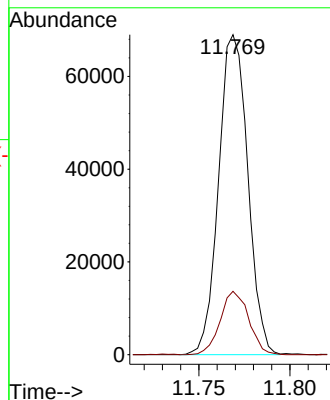
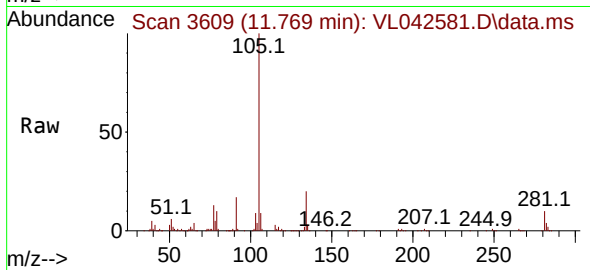
134 19.5 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.021 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

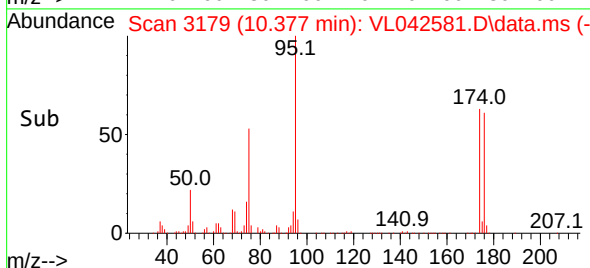
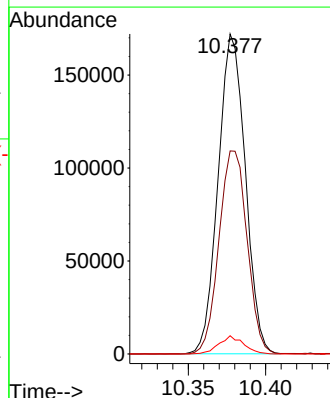
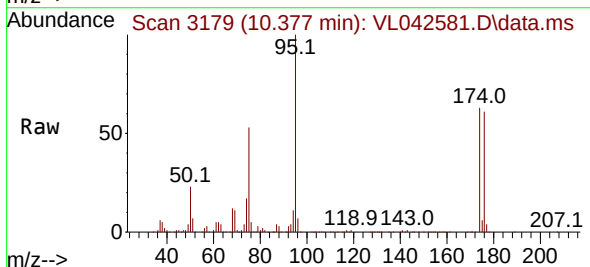
Tgt Ion: 95 Resp: 209886

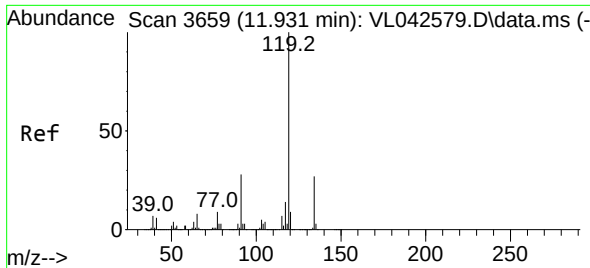
Ion Ratio Lower Upper

95 100

174 66.0 53.1 79.7

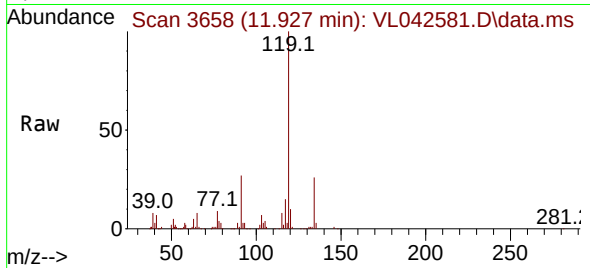
175 5.1 4.2 6.2





#69
p-Isopropyltoluene
Concen: 1.070 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

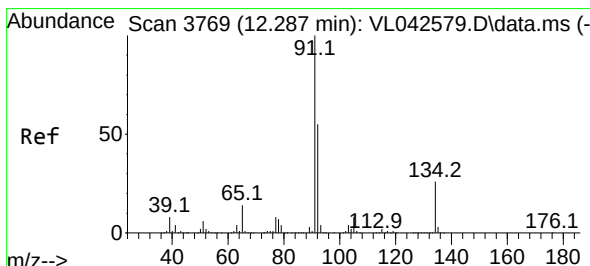
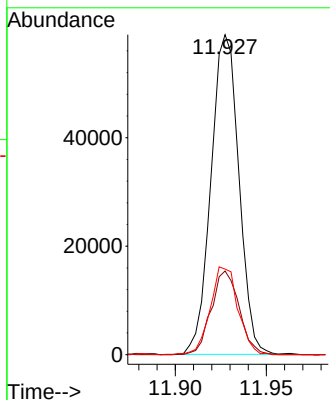
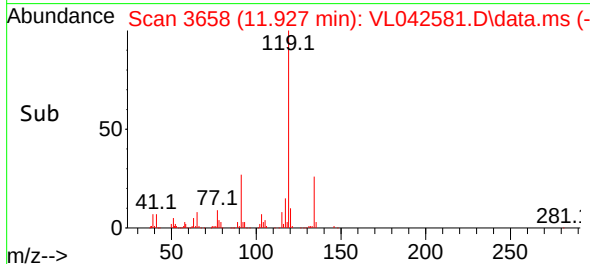
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



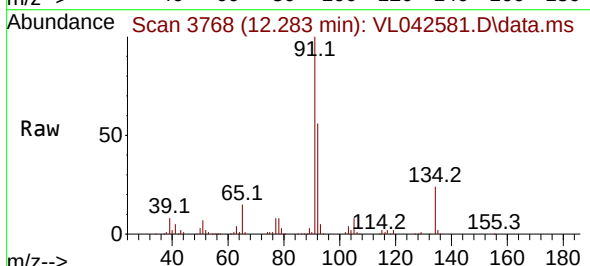
Tgt Ion: 119 Resp: 62849
Ion Ratio Lower Upper
119 100
134 26.2 21.1 31.7
91 27.4 21.9 32.9

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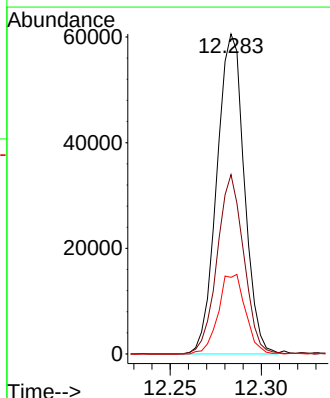
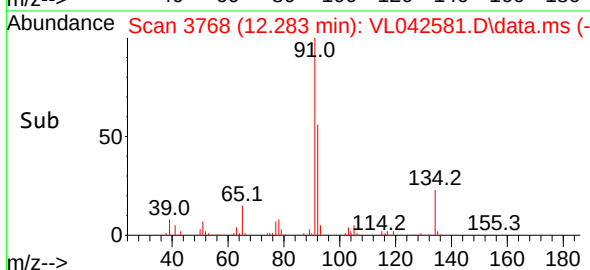
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

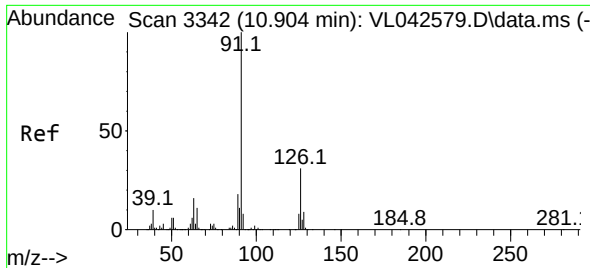


#70
n-Butylbenzene
Concen: 1.093 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



Tgt Ion: 91 Resp: 63350
Ion Ratio Lower Upper
91 100
92 54.6 44.4 66.6
134 24.8 20.1 30.1





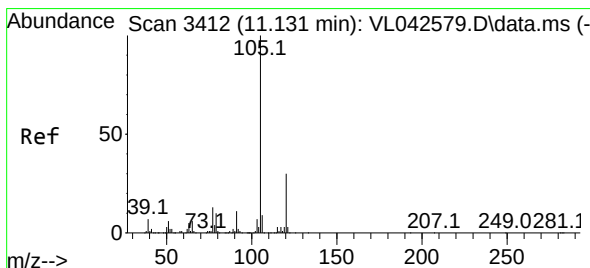
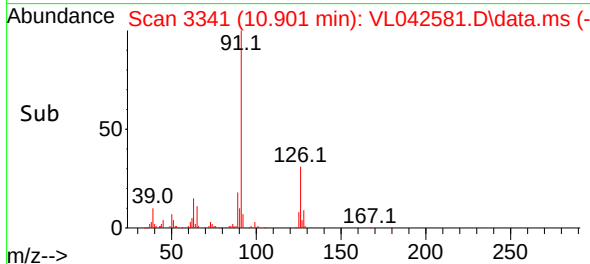
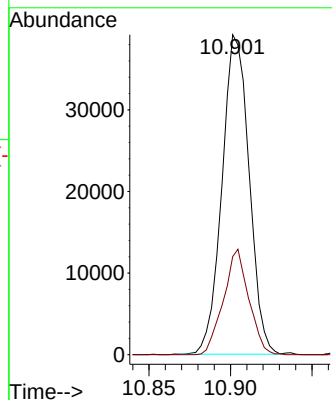
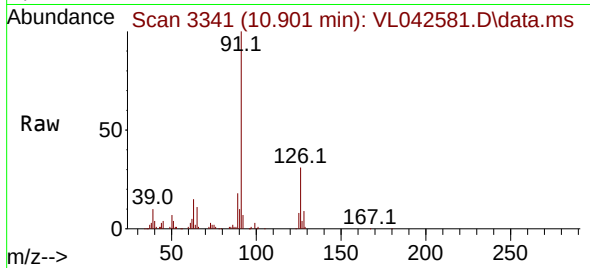
#71
2-Chlorotoluene
Concen: 1.080 ppbv
RT: 10.901 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 45250
Ion Ratio Lower Upper
91 100
126 30.9 12.6 50.4

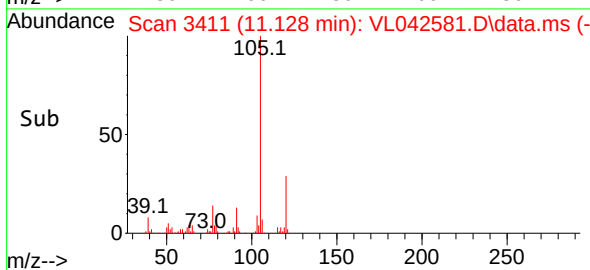
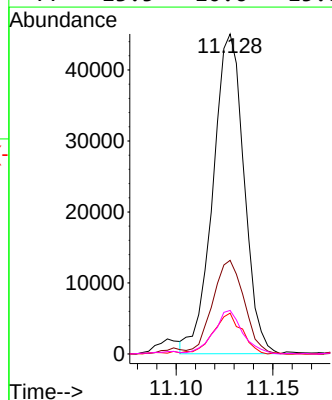
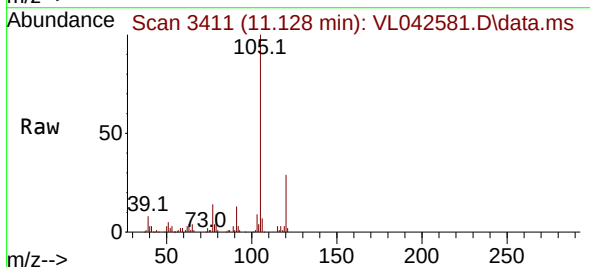
Manual Integrations
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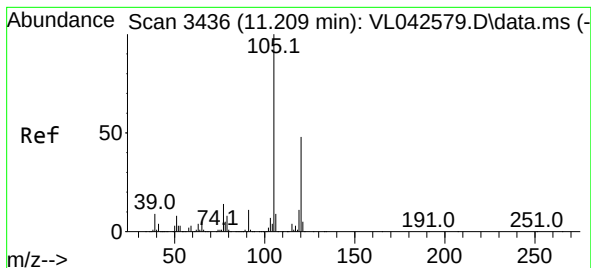
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#72
4-Ethyltoluene
Concen: 1.083 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 50214
Ion Ratio Lower Upper
105 100
120 31.0 24.6 36.8
91 12.6 9.6 14.4
77 13.5 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 1.079 ppbv

RT: 11.206 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 4141

Ion Ratio Lower Upper

105 100

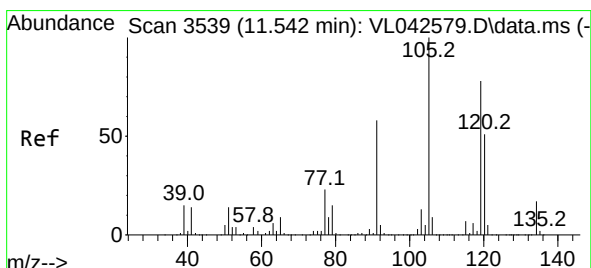
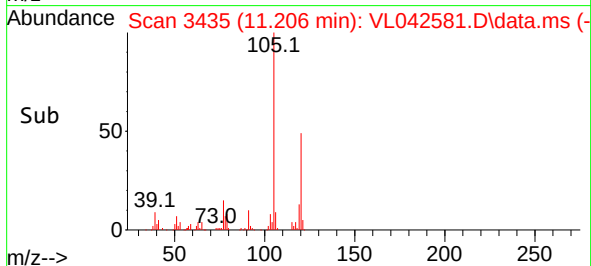
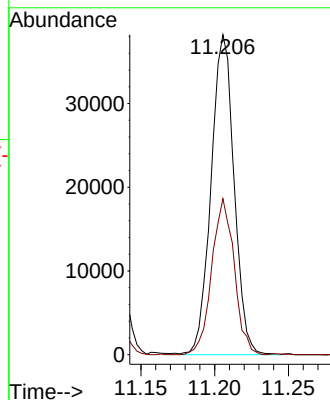
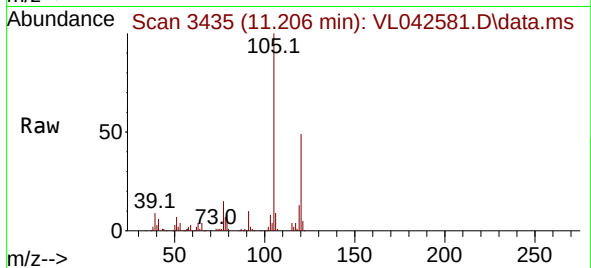
120 48.7 38.8 58.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025

Supervised By :Mahesh Dadoda 05/30/2025



#74

1,2,4-Trimethylbenzene

Concen: 1.099 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.006 min

Lab File: VL042581.D

Acq: 29 May 2025 12:15

Tgt Ion:105 Resp: 46810

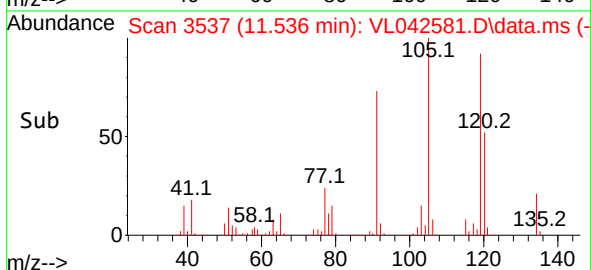
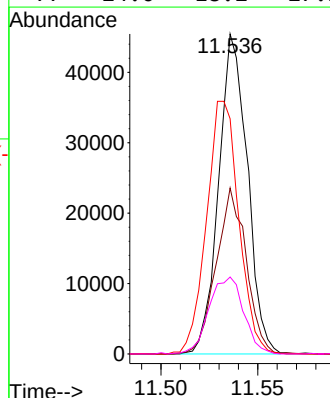
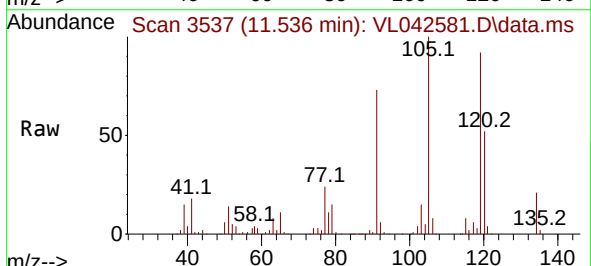
Ion Ratio Lower Upper

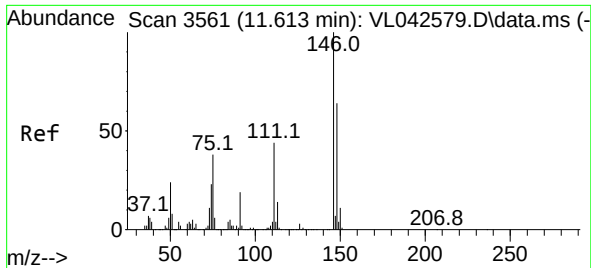
105 100

120 51.5 40.8 61.2

91 73.3 46.8 70.2#

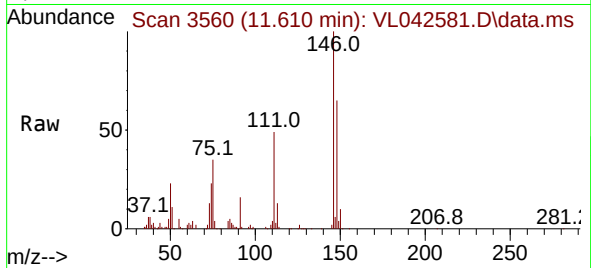
77 24.0 18.2 27.2





#75
1,3-Dichlorobenzene
Concen: 1.080 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

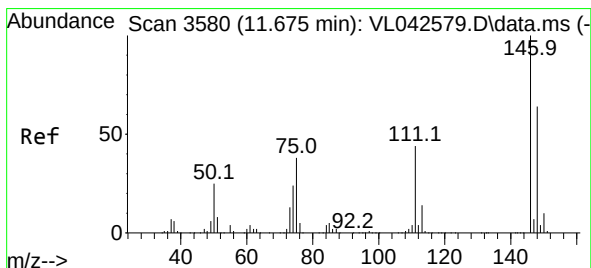
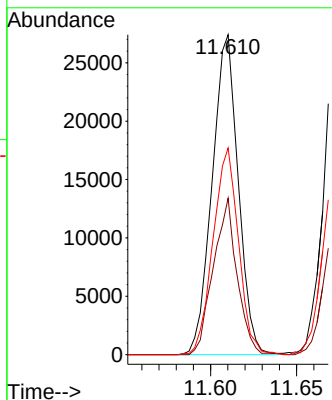
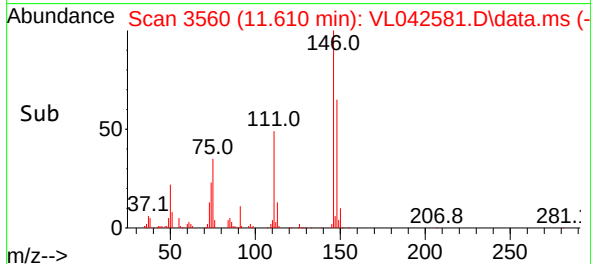
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:146 Resp: 28889
Ion Ratio Lower Upper
146 100
111 44.7 22.4 67.3
148 63.1 32.0 96.2

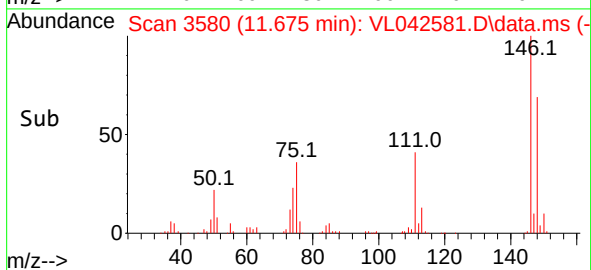
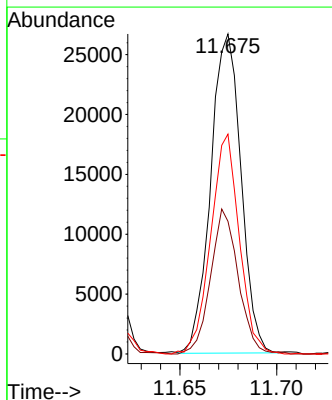
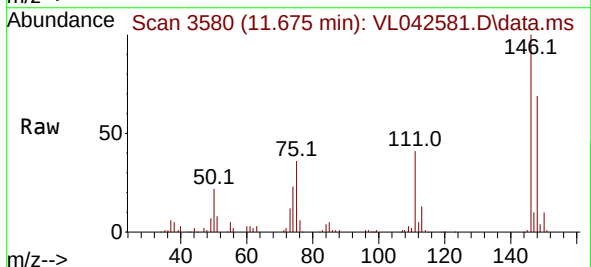
Manual Integrations
APPROVED

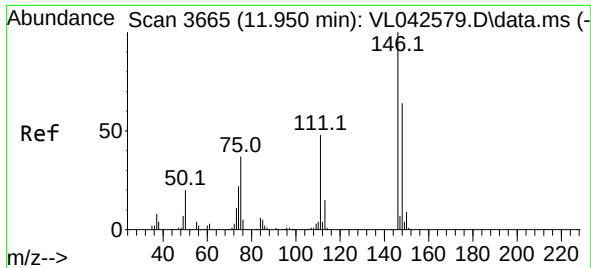
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025



#76
1,4-Dichlorobenzene
Concen: 1.089 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

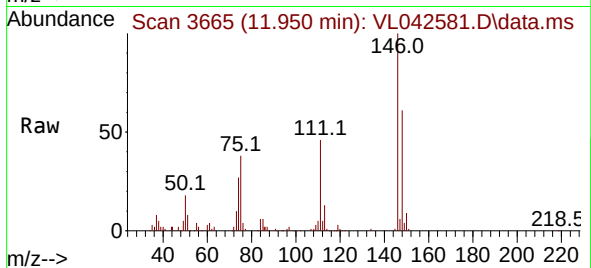
Tgt Ion:146 Resp: 29060
Ion Ratio Lower Upper
146 100
111 41.4 21.6 64.8
148 64.9 32.1 96.5





#77
1,2-Dichlorobenzene
Concen: 1.085 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

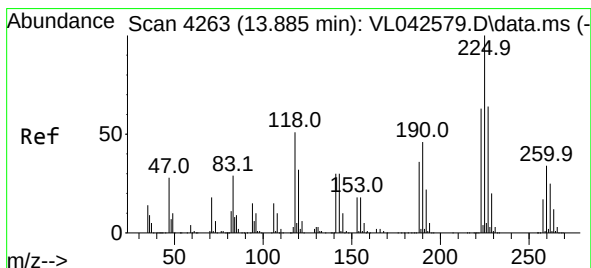
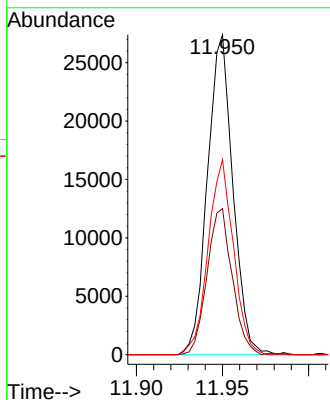
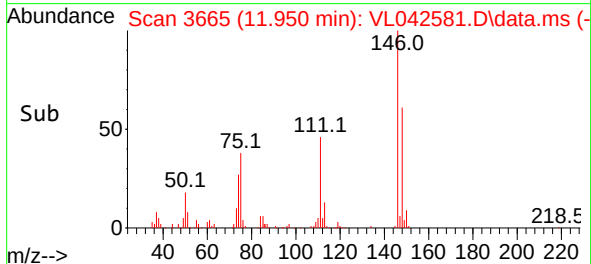
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



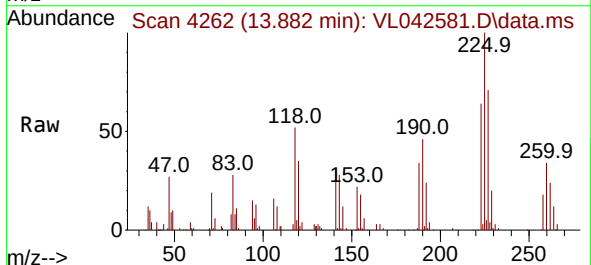
Tgt Ion:146 Resp: 28170
Ion Ratio Lower Upper
146 100
111 45.4 23.1 69.3
148 60.6 32.1 96.3

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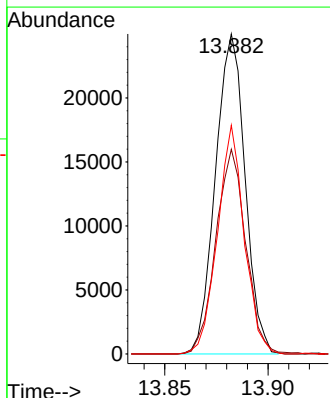
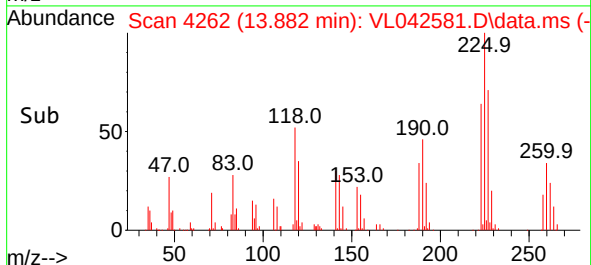
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

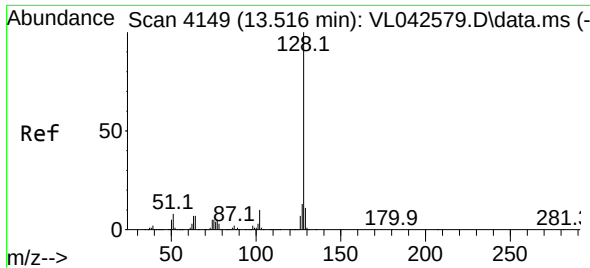


#78
Hexachloro-1,3-Butadiene
Concen: 1.162 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



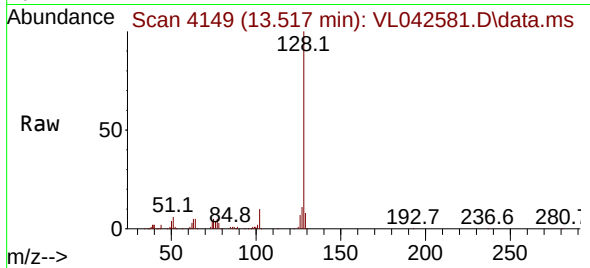
Tgt Ion:225 Resp: 24950
Ion Ratio Lower Upper
225 100
223 64.6 50.2 75.4
227 64.6 51.1 76.7





#79
Naphthalene
Concen: 1.141 ppbv
RT: 13.517 min Scan# 4149
Delta R.T. 0.000 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

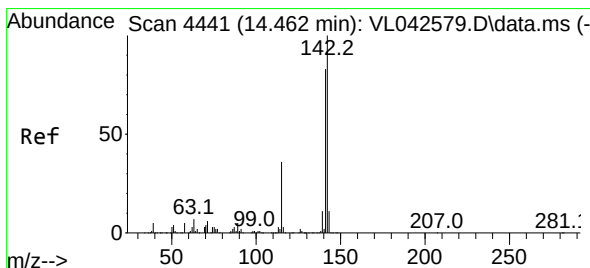
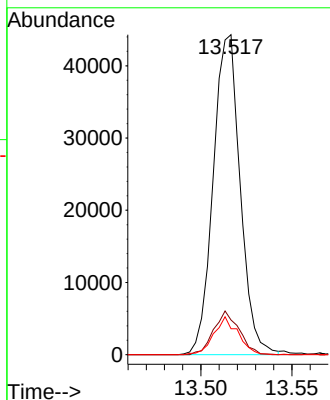
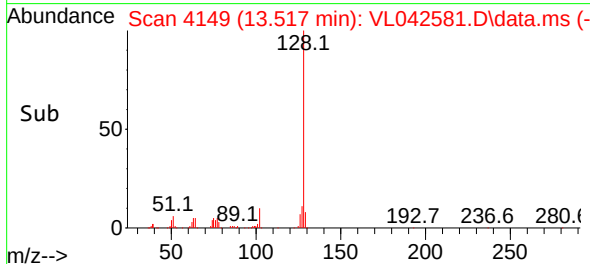
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



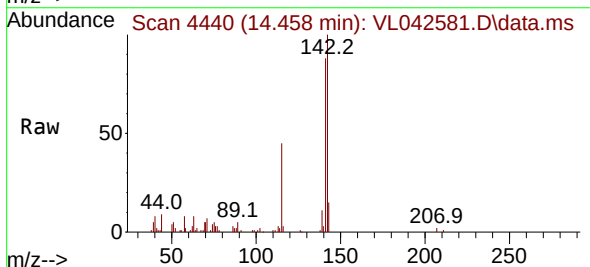
Tgt Ion:128 Resp: 45649
Ion Ratio Lower Upper
128 100
127 10.9 10.2 15.4
129 8.1 8.8 13.2

Manual Integrations
APPROVED

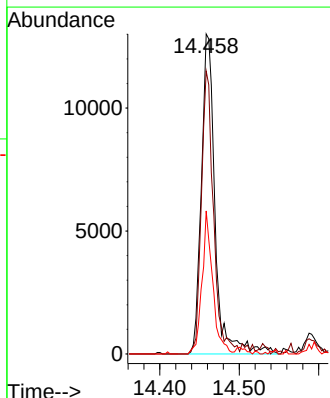
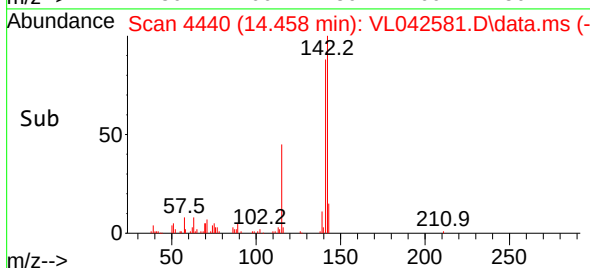
Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

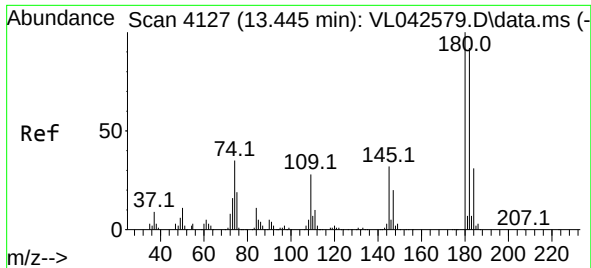


#80
Naphthalene,2-methyl-
Concen: 0.866 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15



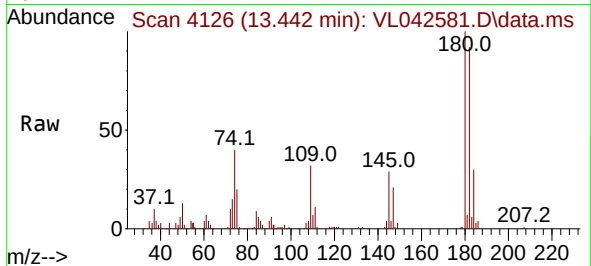
Tgt Ion:142 Resp: 15700
Ion Ratio Lower Upper
142 100
141 78.1 66.2 99.4
115 36.5 28.3 42.5





#81
1,2,4-Trichlorobenzene
Concen: 1.108 ppbv
RT: 13.442 min Scan# 4126
Delta R.T. -0.003 min
Lab File: VL042581.D
Acq: 29 May 2025 12:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:180 Resp: 2484
Ion Ratio Lower Upper
180 100
182 90.6 75.0 112.4
184 30.0 24.6 36.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/30/2025
Supervised By :Mahesh Dadoda 05/30/2025

