

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042167.D
 Acq On : 25 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Mar 26 01:32:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	171862	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	416184	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	345835	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.387	95	279009	10.324	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.502	85	12189	0.643	ppbv	98
3) Chlorodifluoromethane	1.479	51	12836	0.515	ppbv	98
4) Chloromethane	1.534	50	4615	0.663	ppbv	97
5) Vinyl Chloride	1.583	62	4004	0.617	ppbv	98
6) Bromomethane	1.670	94	2263	0.717	ppbv	99
7) Chloroethane	1.706	64	2098	0.782	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	9485	0.615	ppbv	99
9) Propene	1.486	41	5118	0.506	ppbv	99
10) Heptane	4.998	43	9416m	0.300	ppbv	
11) Trichlorofluoromethane	1.881	101	13706	0.723	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.143	101	10236	0.668	ppbv	99
13) Ethanol	1.725	45	718m	1.085	ppbv	
14) Bromoethene	1.787	108	3349	0.633	ppbv #	85
15) Acetone	1.842	43	12678	0.792	ppbv	91
16) 1,3-Butadiene	1.612	39	4716	0.635	ppbv	92
17) tert-Butyl alcohol	2.046	59	11660	0.605	ppbv #	93
18) 1,1-Dichloroethene	2.039	96	4594	0.677	ppbv #	76
19) Isopropyl Alcohol	1.890	45	6586	0.725	ppbv #	97
20) Methylene Chloride	2.068	84	5125	0.854	ppbv #	76
21) Allyl Chloride	2.101	41	7271	0.634	ppbv #	84
22) trans-1,2-Dichloroethene	2.347	96	4901	0.611	ppbv	83
23) Vinyl Acetate	2.470	43	5458m	0.534	ppbv	
24) 1,1-Dichloroethane	2.415	63	9421	0.631	ppbv #	94
25) Ethyl Acetate	2.848	43	25152	0.414	ppbv #	97
26) Hexane	2.829	57	7631m	0.314	ppbv	
27) Carbon Disulfide	2.156	76	11258	0.635	ppbv #	20
28) Methyl tert-Butyl Ether	2.447	73	6126m	0.488	ppbv	
29) Chloroform	2.855	83	16404	0.495	ppbv	97
30) Cyclohexane	3.871	84	5711	0.294	ppbv	93
31) cis-1,2-Dichloroethene	2.725	61	8856	0.391	ppbv	89
32) 1,1,1-Trichloroethane	3.376	97	13720	0.435	ppbv	97
34) 2-Butanone	2.567	43	15619	0.477	ppbv	100
35) Carbon Tetrachloride	3.771	117	14843	0.511	ppbv #	82
36) Benzene	3.671	78	18706m	0.428	ppbv	
37) 1,2-Dichloroethane	3.227	62	10548	0.434	ppbv #	94
38) Trichloroethene	4.564	130	7809m	0.439	ppbv	
39) 1,2-Dichloropropane	4.334	63	7874m	0.472	ppbv	
40) 1,4-Dioxane	4.616	88	2555m	0.339	ppbv	
41) Tetrahydrofuran	3.072	42	6170	0.323	ppbv	97
42) Bromodichloromethane	4.499	83	16341m	0.498	ppbv	
43) Methyl Methacrylate	4.904	69	6063m	0.363	ppbv	
44) 2,2,4-Trimethylpentane	4.658	57	27834	0.357	ppbv	93
45) t-1,3-Dichloropropene	6.428	75	5416m	0.334	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042167.D
 Acq On : 25 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:32:55 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M

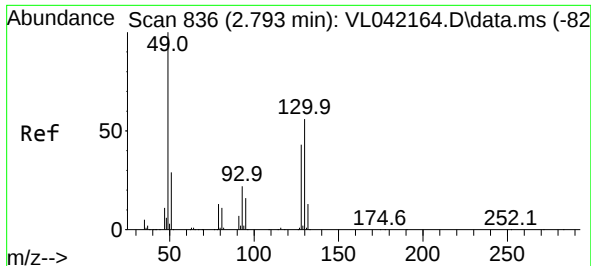
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Mar 26 01:29:19 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	7246m	0.343	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	8781m	0.514	ppbv	
48) Dibromochloromethane	7.406	129	12111m	0.458	ppbv	
49) Bromoform	9.493	173	9485	0.411	ppbv	98
50) 4-Methyl-2-Pentanone	5.787	43	16306m	0.387	ppbv	
51) 2-Hexanone	7.457	43	11275m	0.394	ppbv	
52) Tetrachloroethene	8.234	164	6668m	0.448	ppbv	
53) Toluene	6.943	91	12970m	0.269	ppbv	
54) 1,2-Dibromoethane	7.671	107	9384m	0.413	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	11061m	0.550	ppbv	
57) Chlorobenzene	8.933	112	19487	0.531	ppbv	96
58) Ethyl Benzene	9.361	91	16344	0.258	ppbv	99
59) m/p-Xylene	9.561	91	26870m	0.522	ppbv	
60) o-Xylene	9.976	91	13955	0.268	ppbv	96
61) Styrene	9.882	104	5460	0.231	ppbv	93
62) Isopropylbenzene	10.548	105	23146	0.298	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.976	83	17176	0.497	ppbv #	95
64) n-propylbenzene	10.998	120	5082m	0.247	ppbv	
65) tert-Butylbenzene	11.542	119	18647	0.260	ppbv	93
66) Benzyl Chloride	11.620	91	1904	0.359	ppbv #	86
67) sec-Butylbenzene	11.775	105	30673	0.299	ppbv	98
69) p-Isopropyltoluene	11.934	119	21279	0.259	ppbv #	94
70) n-Butylbenzene	12.290	91	22796	0.270	ppbv	92
71) 2-Chlorotoluene	10.908	91	16451	0.275	ppbv	99
72) 4-Ethyltoluene	11.134	105	16413	0.257	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	15075	0.272	ppbv	92
74) 1,2,4-Trimethylbenzene	11.545	105	19401	0.307	ppbv	92
75) 1,3-Dichlorobenzene	11.617	146	15915	0.433	ppbv	95
76) 1,4-Dichlorobenzene	11.681	146	14128	0.387	ppbv	95
77) 1,2-Dichlorobenzene	11.956	146	17364	0.482	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	16551	0.582	ppbv	95
79) Naphthalene	13.520	128	14082	0.309	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	3903	0.287	ppbv	88
81) 1,2,4-Trichlorobenzene	13.445	180	8369	0.333	ppbv	98

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



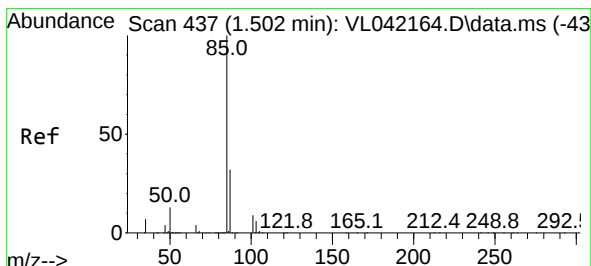
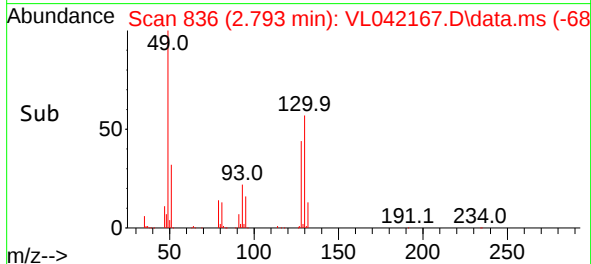
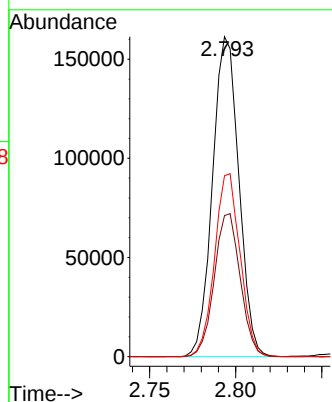
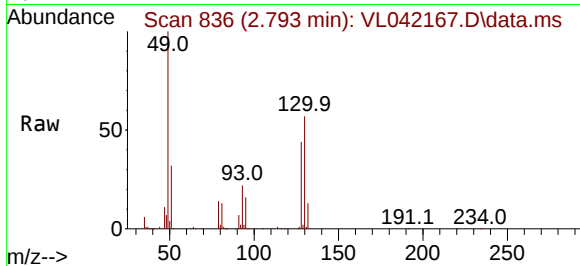
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 49 Resp: 171862
Ion Ratio Lower Upper
49 100
128 44.1 21.5 64.5
130 55.5 27.3 81.9

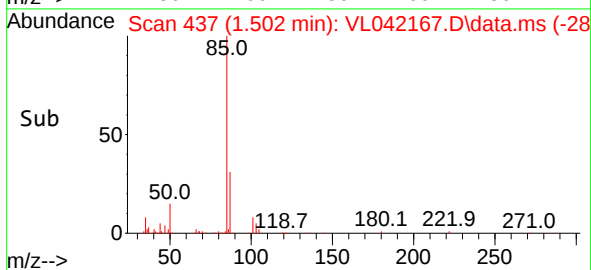
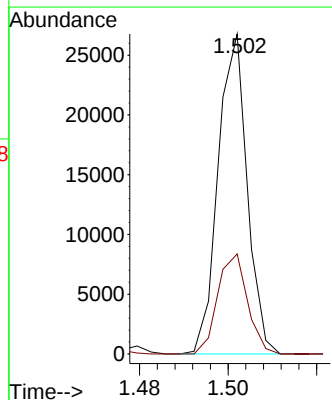
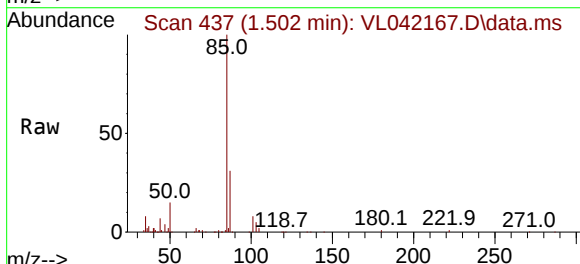
Manual Integrations
APPROVED

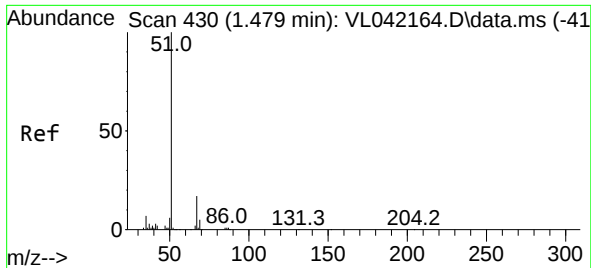
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#2
Dichlorodifluoromethane
Concen: 0.643 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

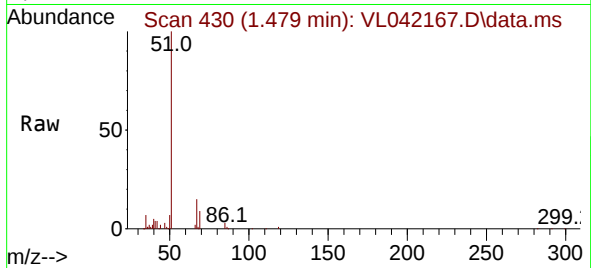
Tgt Ion: 85 Resp: 12189
Ion Ratio Lower Upper
85 100
87 31.3 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.515 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

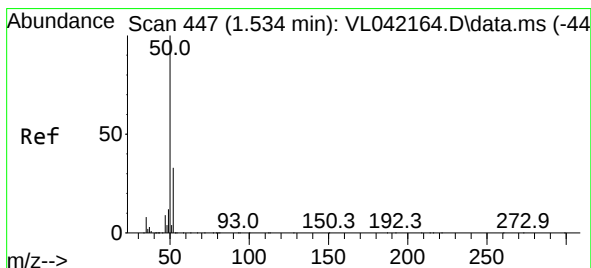
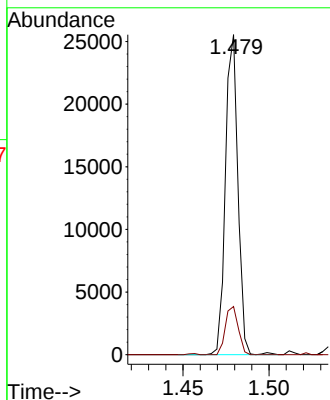
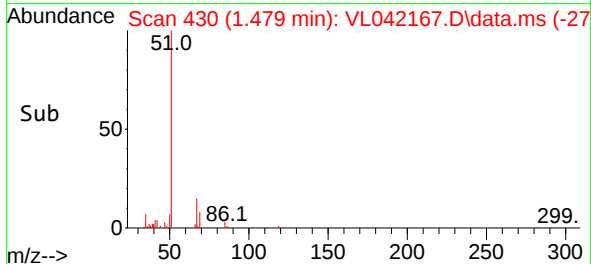
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



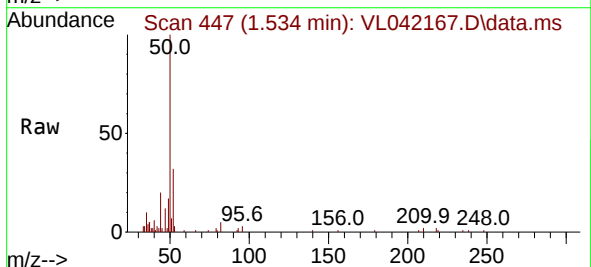
Tgt Ion: 51 Resp: 12830
Ion Ratio Lower Upper
51 100
67 15.9 13.3 19.9

Manual Integrations
APPROVED

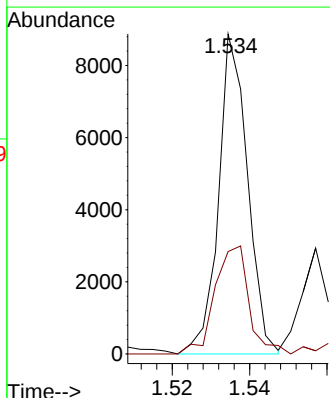
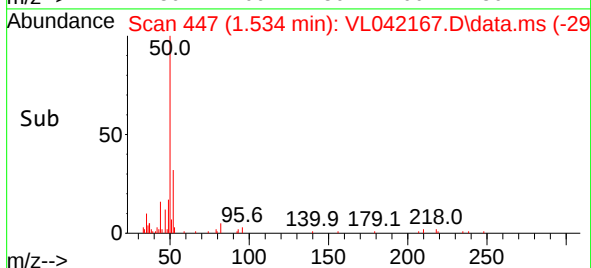
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

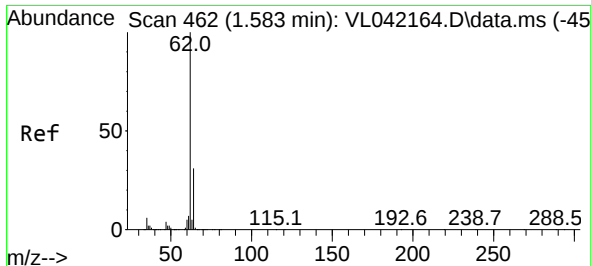


#4
Chloromethane
Concen: 0.663 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



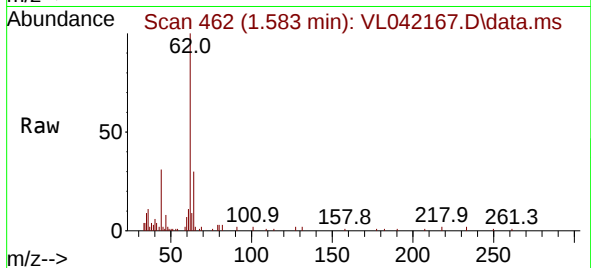
Tgt Ion: 50 Resp: 4615
Ion Ratio Lower Upper
50 100
52 34.6 26.4 39.6





#5
 Vinyl Chloride
 Concen: 0.617 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

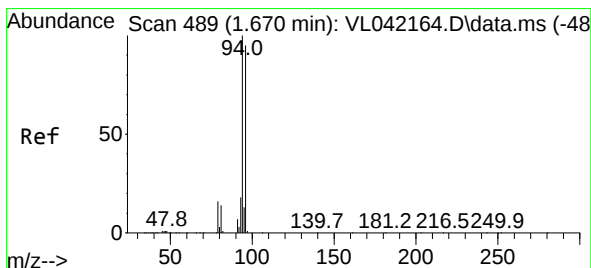
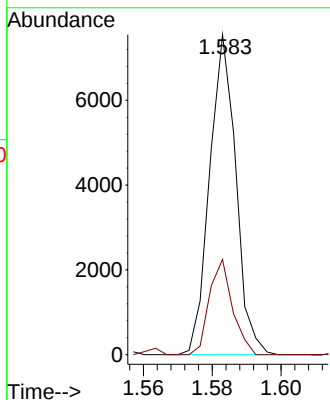
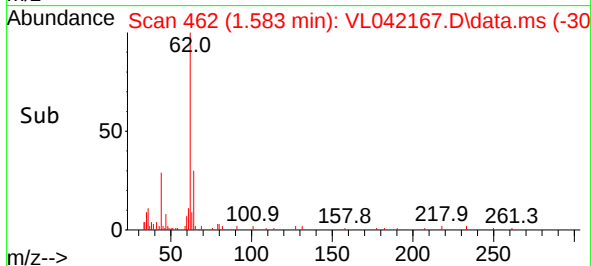
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 62 Resp: 4004
 Ion Ratio Lower Upper
 62 100
 64 29.8 24.8 37.2

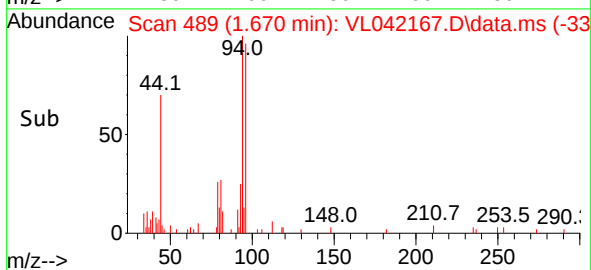
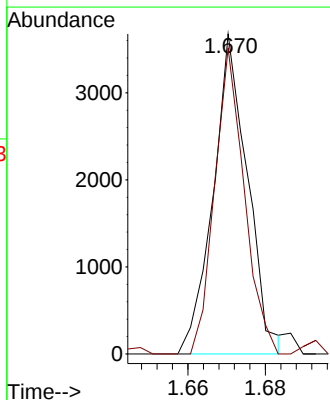
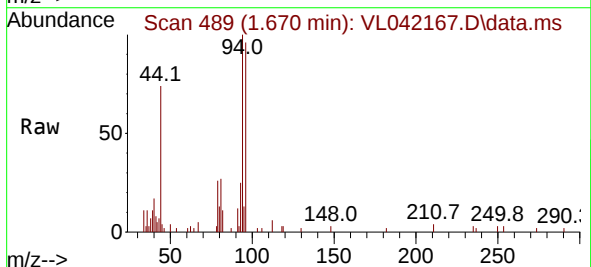
Manual Integrations
 APPROVED

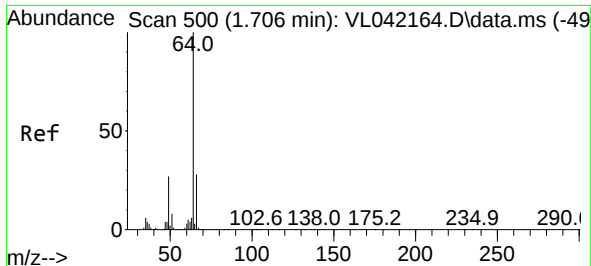
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#6
 Bromomethane
 Concen: 0.717 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

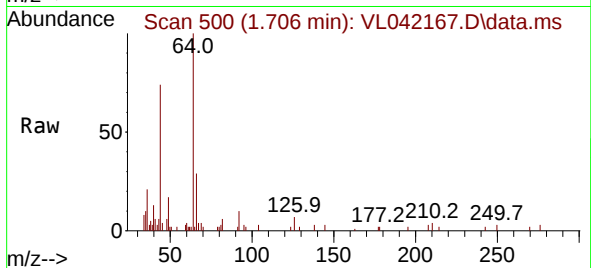
Tgt Ion: 94 Resp: 2263
 Ion Ratio Lower Upper
 94 100
 96 95.5 75.8 113.6





#7
Chloroethane
Concen: 0.782 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

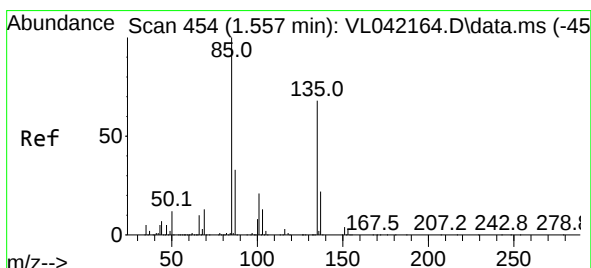
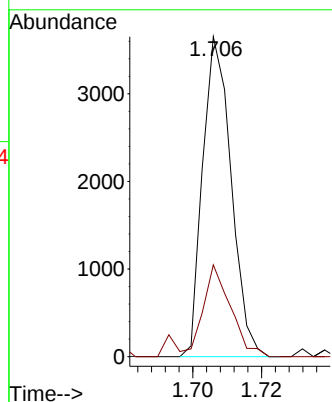
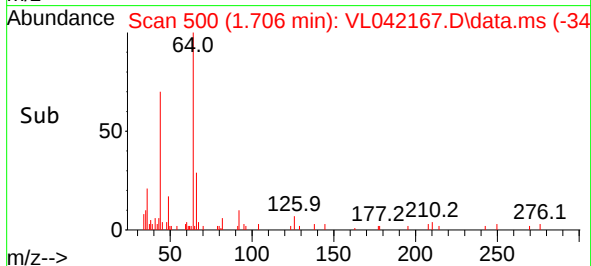
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



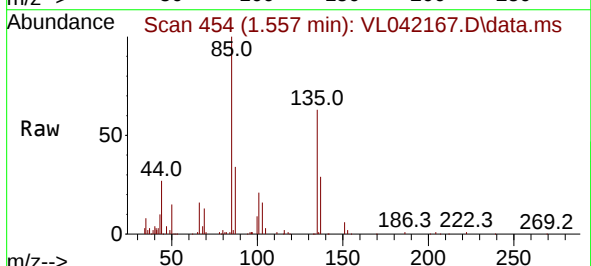
Tgt Ion: 64 Resp: 2098
Ion Ratio Lower Upper
64 100
66 28.7 22.2 33.4

Manual Integrations
APPROVED

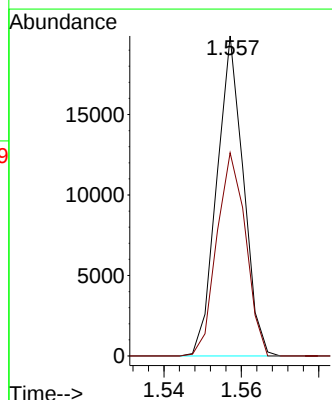
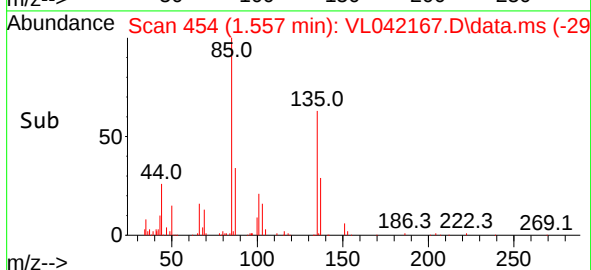
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

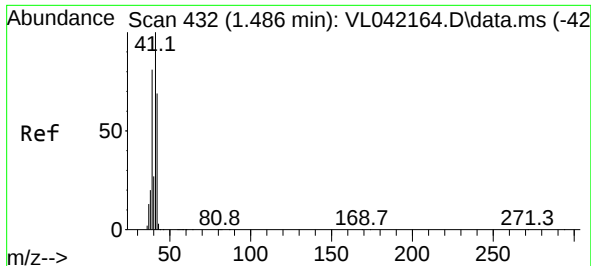


#8
Dichlorotetrafluoroethane
Concen: 0.615 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



Tgt Ion: 85 Resp: 9485
Ion Ratio Lower Upper
85 100
135 68.9 54.3 81.5





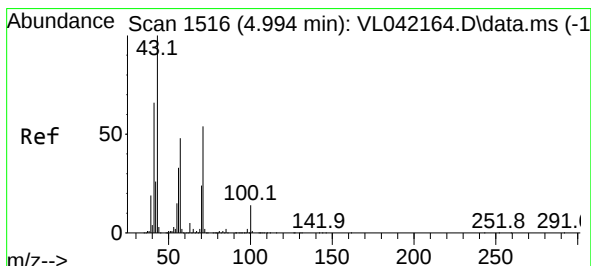
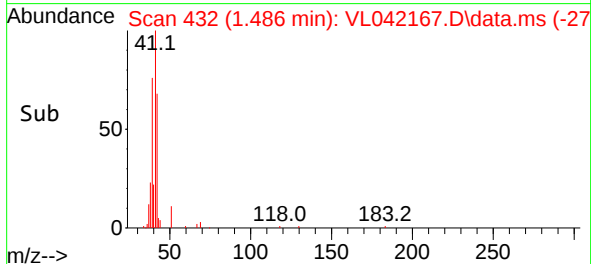
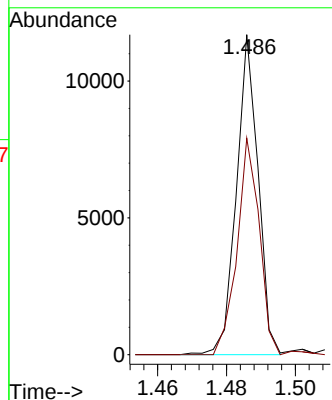
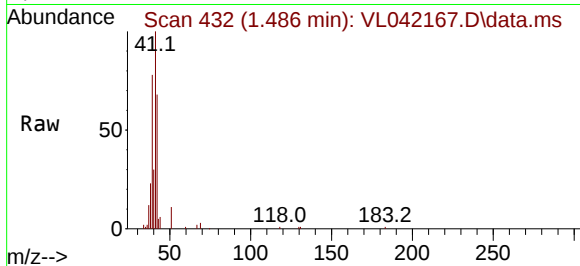
#9
 Propene
 Concen: 0.506 ppbv
 RT: 1.486 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 5118
 Ion Ratio Lower Upper
 41 100
 42 70.4 55.9 83.9

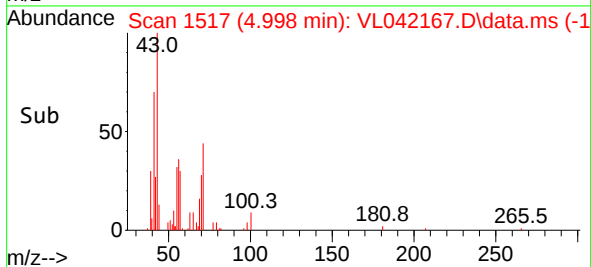
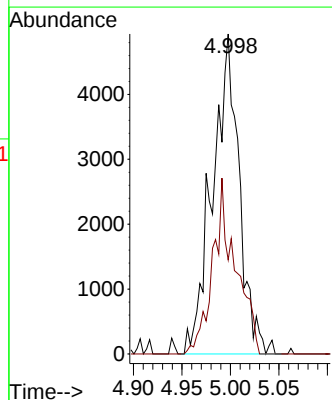
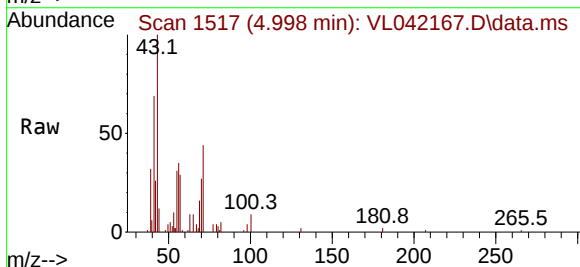
Manual Integrations
 APPROVED

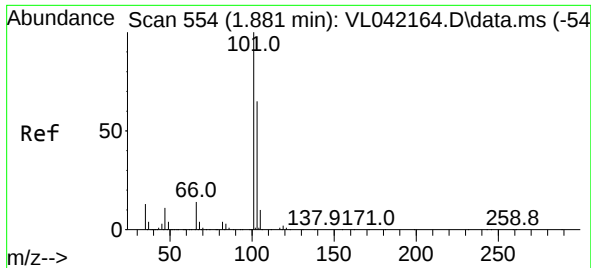
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#10
 Heptane
 Concen: 0.300 ppbv m
 RT: 4.998 min Scan# 1517
 Delta R.T. 0.003 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Tgt Ion: 43 Resp: 9416
 Ion Ratio Lower Upper
 43 100
 57 46.9 38.3 57.5





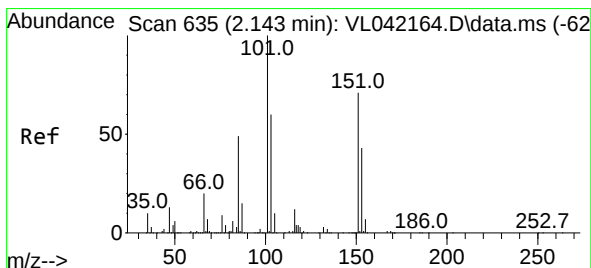
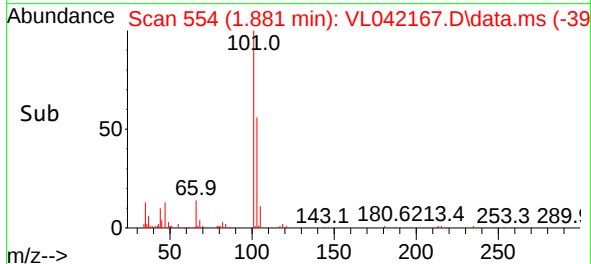
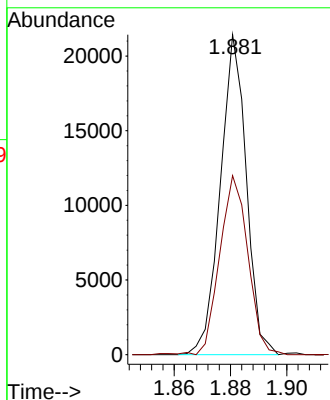
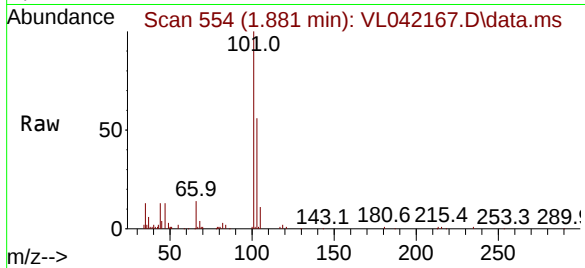
#11
 Trichlorofluoromethane
 Concen: 0.723 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:101 Resp: 13700
 Ion Ratio Lower Upper
 101 100
 103 55.7 51.9 77.9

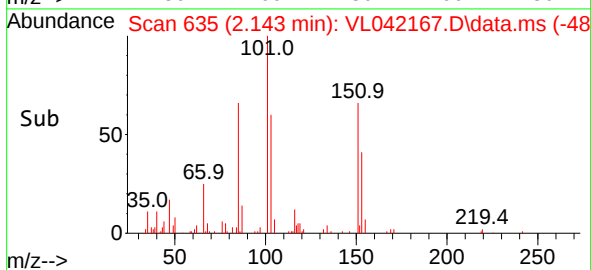
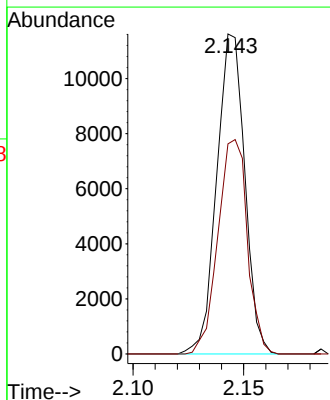
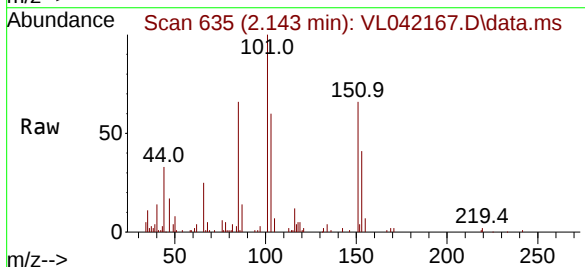
Manual Integrations
 APPROVED

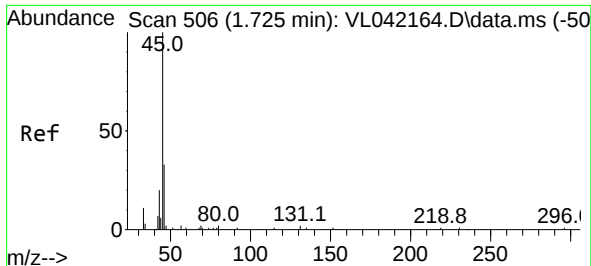
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.668 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

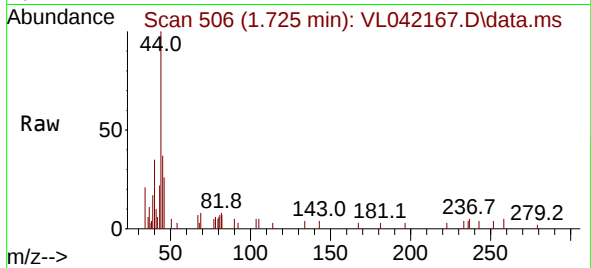
Tgt Ion:101 Resp: 10236
 Ion Ratio Lower Upper
 101 100
 151 70.2 57.0 85.4





#13
Ethanol
Concen: 1.085 ppbv m
RT: 1.725 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

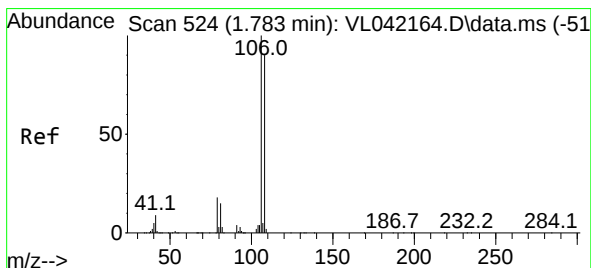
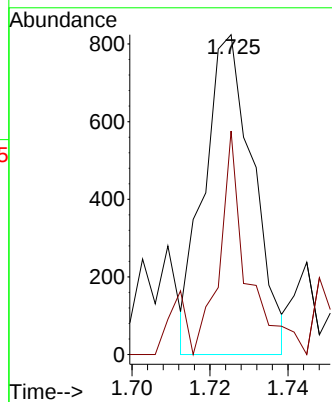
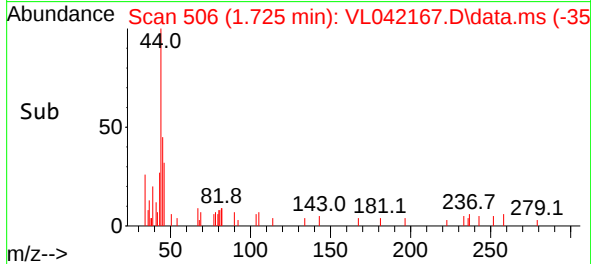
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



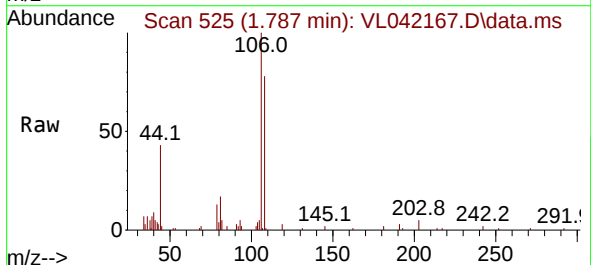
Tgt Ion: 45 Resp: 718
Ion Ratio Lower Upper
45 100
46 71.3 16.3 65.1

Manual Integrations
APPROVED

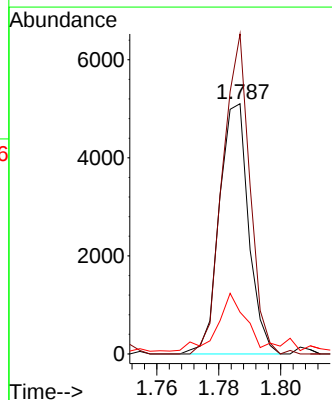
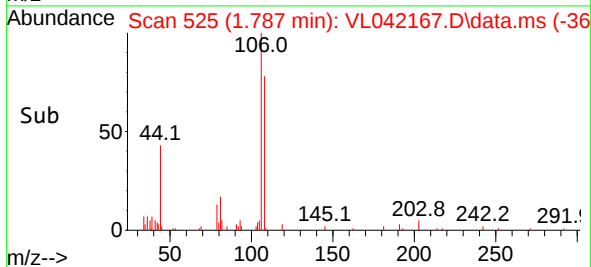
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

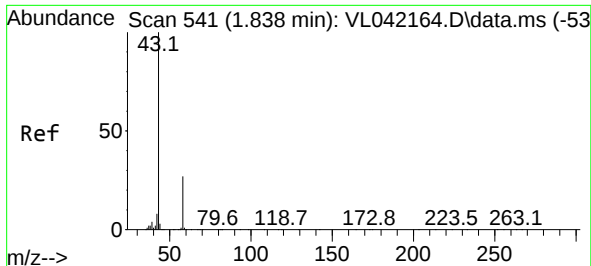


#14
Bromoethene
Concen: 0.633 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



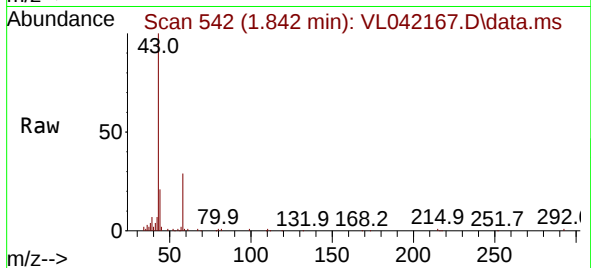
Tgt Ion:108 Resp: 3349
Ion Ratio Lower Upper
108 100
106 121.0 85.8 128.8
79 30.5 15.5 23.3





#15
Acetone
Concen: 0.792 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

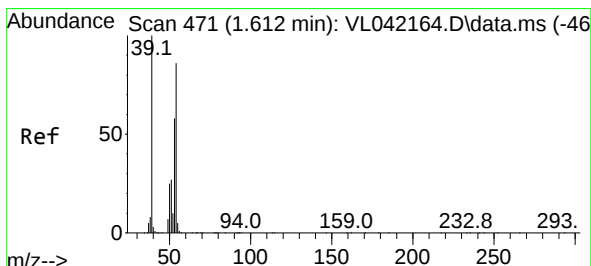
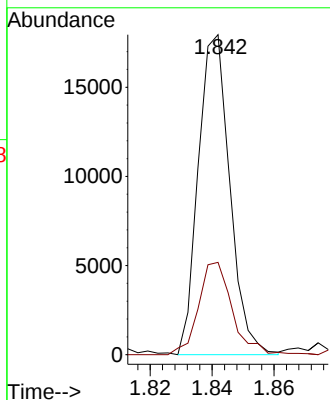
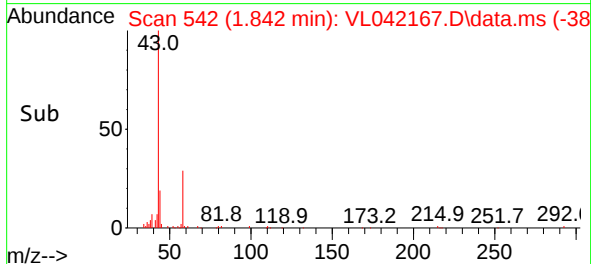
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



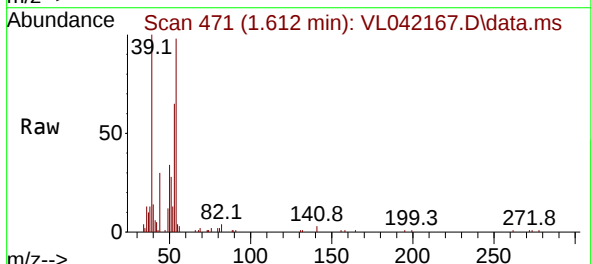
Tgt Ion: 43 Resp: 12678
Ion Ratio Lower Upper
43 100
58 30.9 20.9 31.3

Manual Integrations
APPROVED

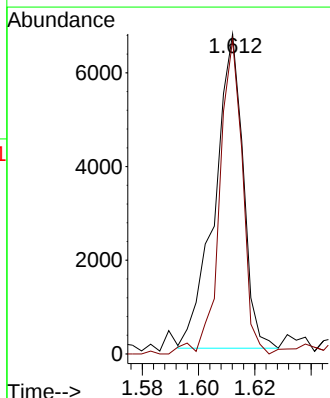
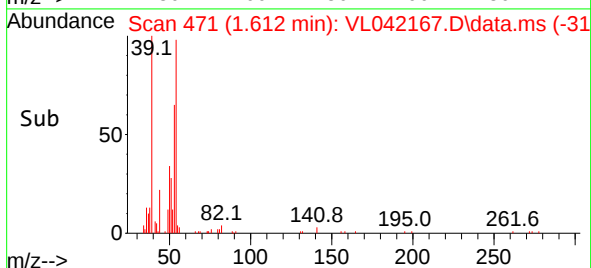
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

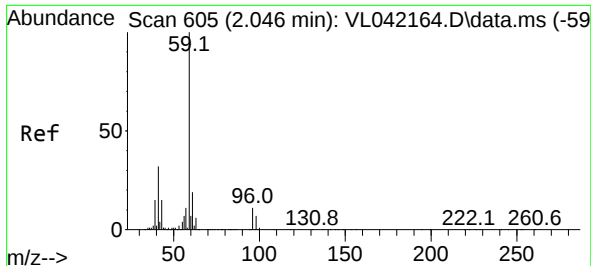


#16
1,3-Butadiene
Concen: 0.635 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



Tgt Ion: 39 Resp: 4716
Ion Ratio Lower Upper
39 100
54 81.9 60.0 90.0





#17

tert-Butyl alcohol

Concen: 0.605 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 11660

Ion Ratio Lower Upper

59 100

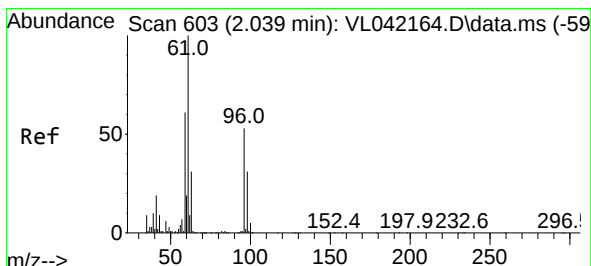
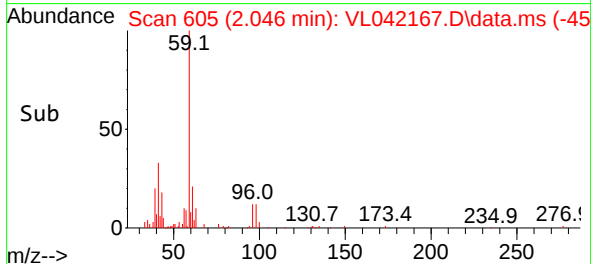
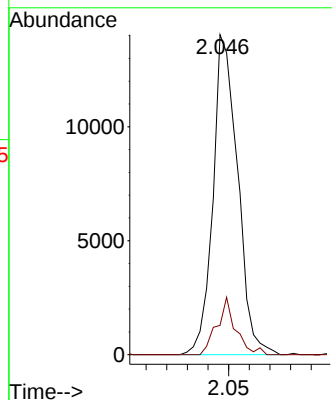
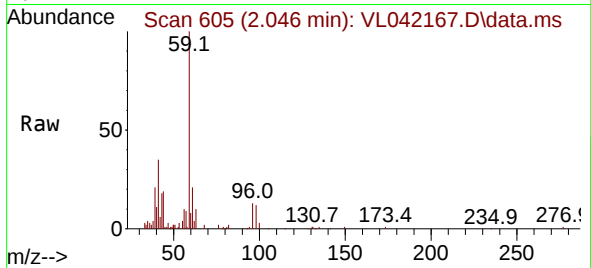
57 13.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#18

1,1-Dichloroethene

Concen: 0.677 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

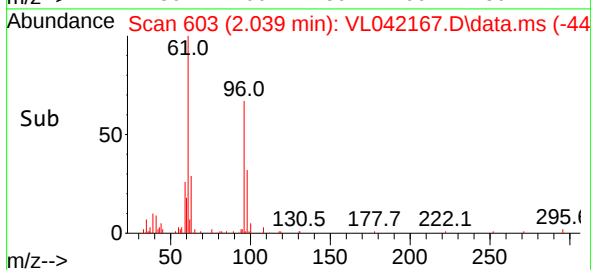
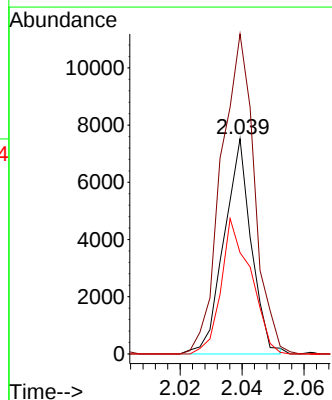
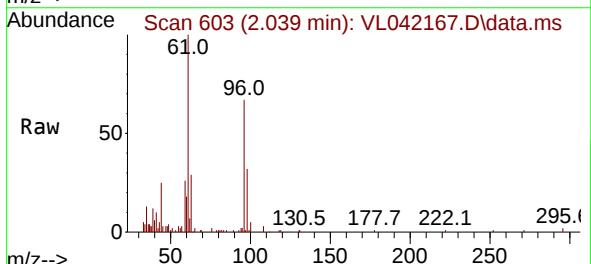
Tgt Ion: 96 Resp: 4594

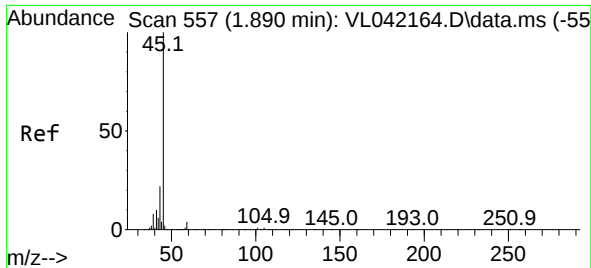
Ion Ratio Lower Upper

96 100

61 148.7 150.0 225.0

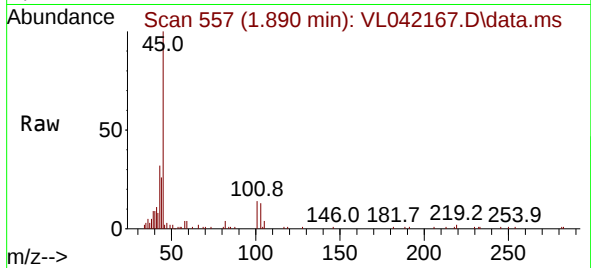
98 47.0 45.7 68.5





#19
Isopropyl Alcohol
Concen: 0.725 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

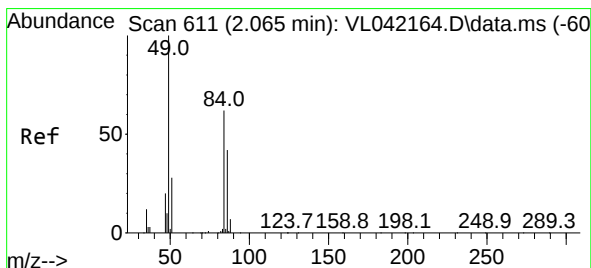
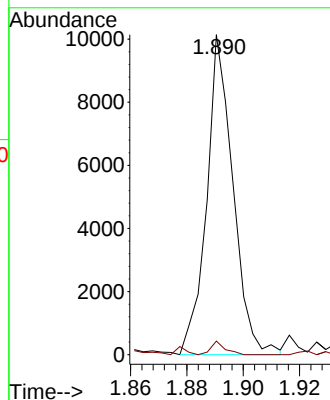
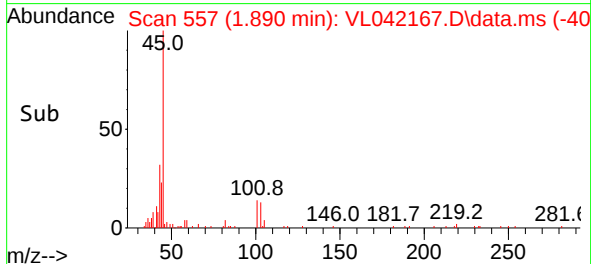
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



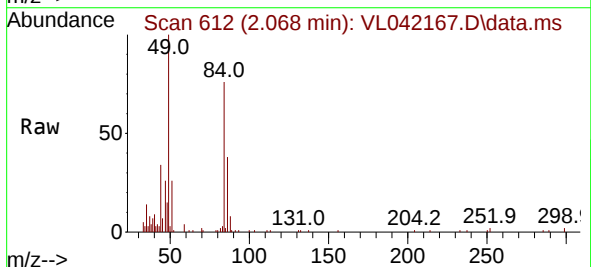
Tgt Ion: 45 Resp: 6580
Ion Ratio Lower Upper
45 100
58 3.4 1.8 2.8

Manual Integrations
APPROVED

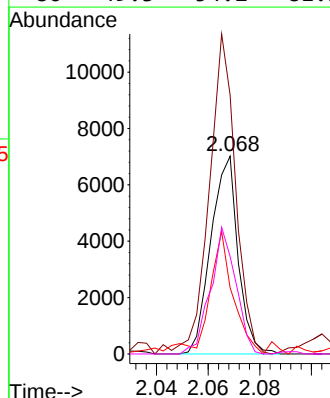
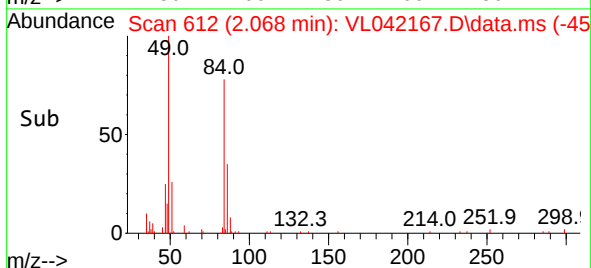
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

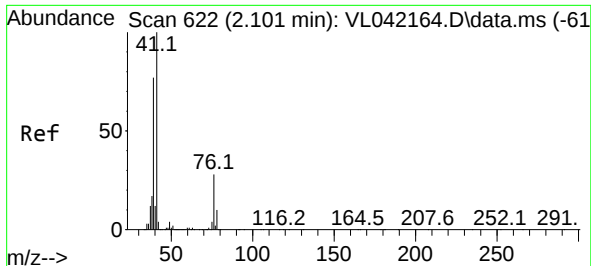


#20
Methylene Chloride
Concen: 0.854 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



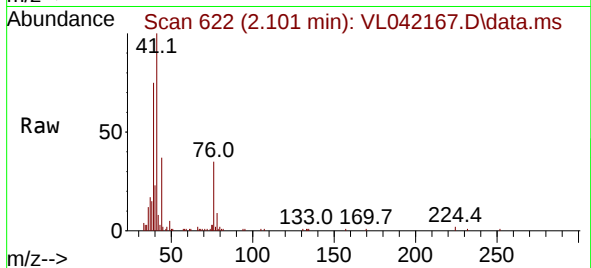
Tgt Ion: 84 Resp: 5125
Ion Ratio Lower Upper
84 100
49 129.9 129.4 194.0
51 31.0 38.2 57.2#
86 49.3 54.2 81.2#





#21
 Allyl Chloride
 Concen: 0.634 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

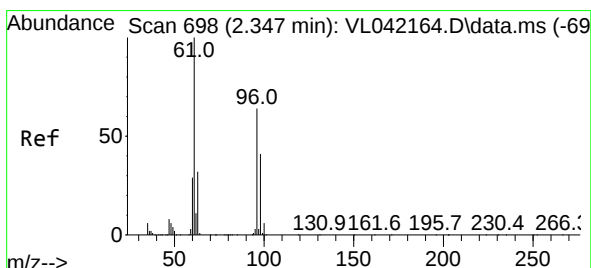
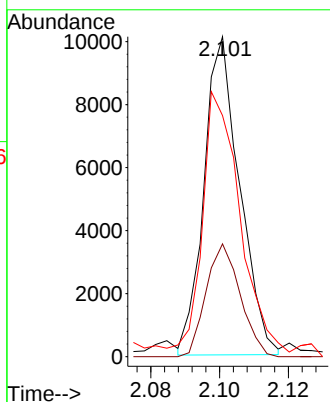
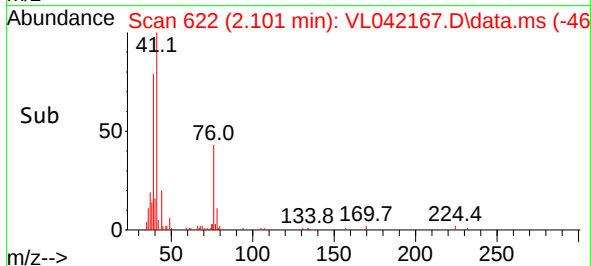
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



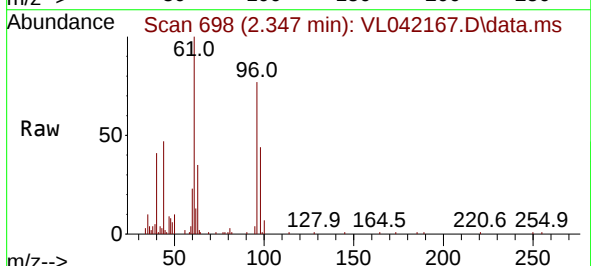
Tgt Ion: 41 Resp: 727
 Ion Ratio Lower Upper
 41 100
 76 33.8 22.2 33.4
 39 91.7 61.4 92.2

Manual Integrations
 APPROVED

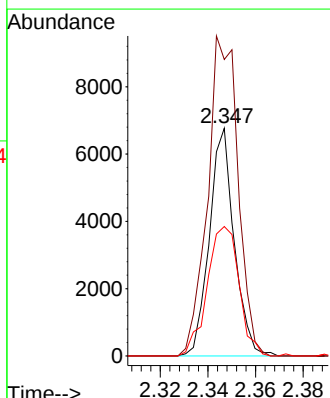
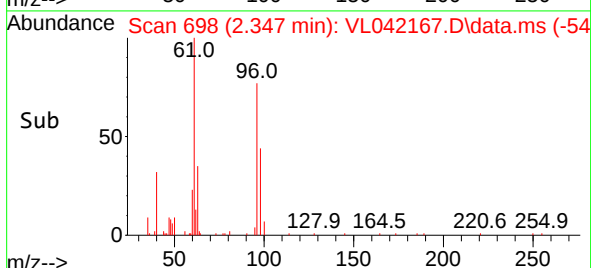
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

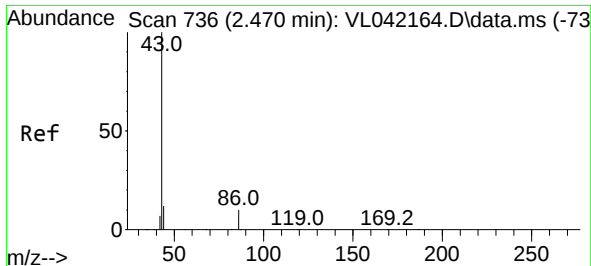


#22
 trans-1,2-Dichloroethene
 Concen: 0.611 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31



Tgt Ion: 96 Resp: 4901
 Ion Ratio Lower Upper
 96 100
 61 130.2 125.8 188.8
 98 56.9 51.4 77.2





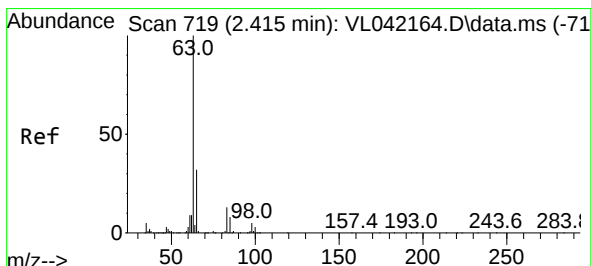
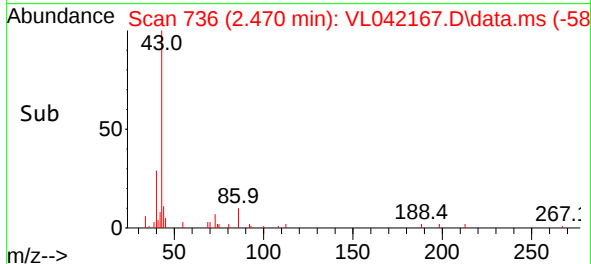
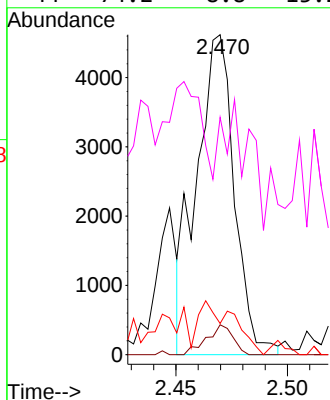
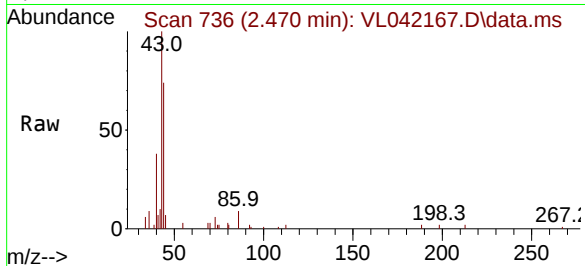
#23
 Vinyl Acetate
 Concen: 0.534 ppbv m
 RT: 2.470 min Scan# 736
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 5458
 Ion Ratio Lower Upper
 43 100
 86 9.4 6.7 10.1
 42 9.7 8.5 12.7
 44 74.2 8.8 13.2#

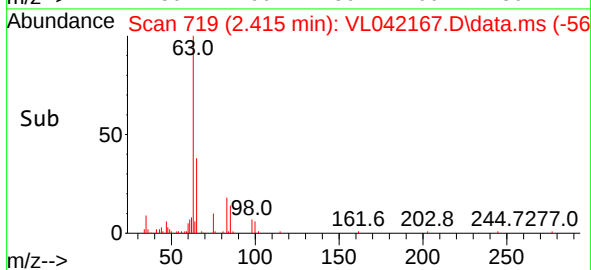
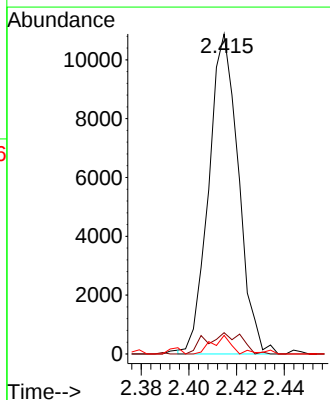
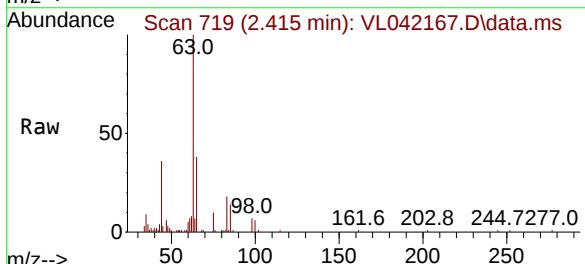
Manual Integrations
 APPROVED

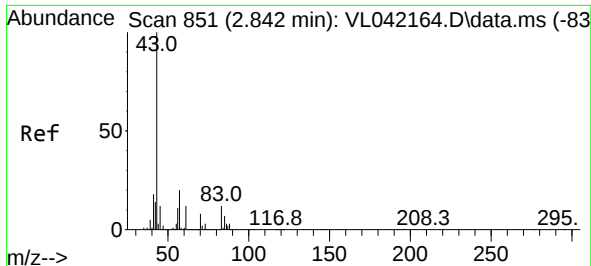
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#24
 1,1-Dichloroethane
 Concen: 0.631 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

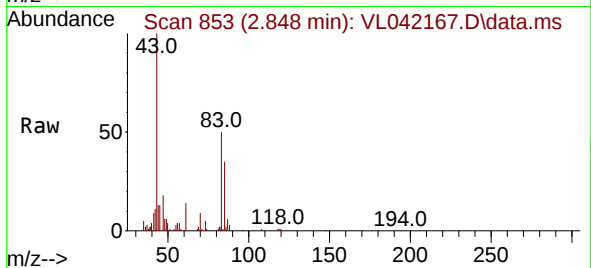
Tgt Ion: 63 Resp: 9421
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.6 7.8
 100 5.8 1.4 4.0#





#25
Ethyl Acetate
Concen: 0.414 ppbv
RT: 2.848 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

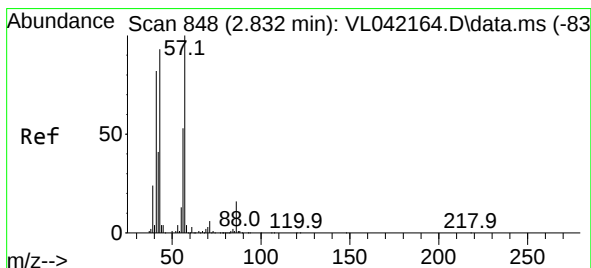
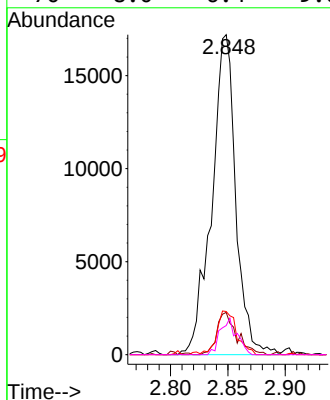
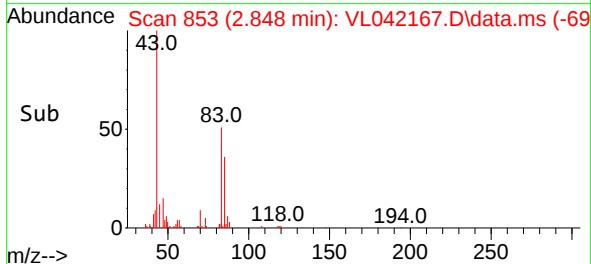
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 25152
Ion Ratio Lower Upper
43 100
45 10.9 8.4 12.6
61 11.6 7.3 10.9
70 8.0 6.4 9.6

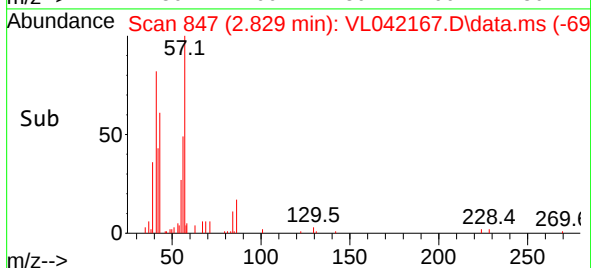
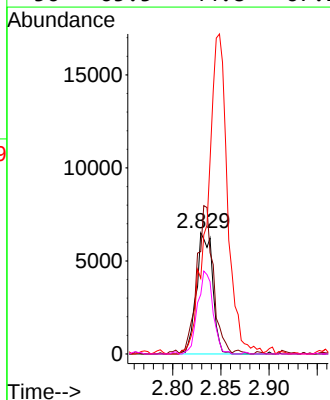
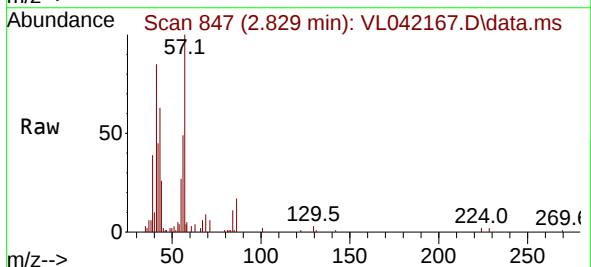
Manual Integrations
APPROVED

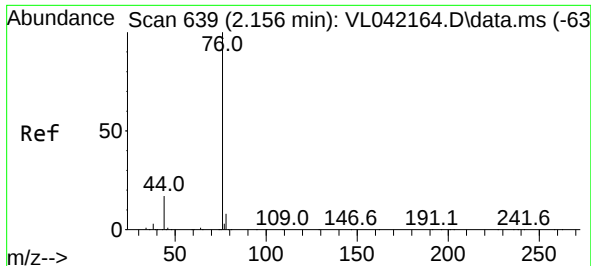
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#26
Hexane
Concen: 0.314 ppbv m
RT: 2.829 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

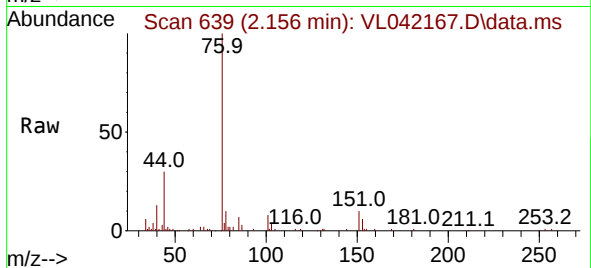
Tgt Ion: 57 Resp: 7631
Ion Ratio Lower Upper
57 100
41 125.3 73.9 110.9#
43 0.0 210.0 315.0#
56 65.5 44.8 67.2





#27
Carbon Disulfide
Concen: 0.635 ppbv
RT: 2.156 min Scan# 639
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

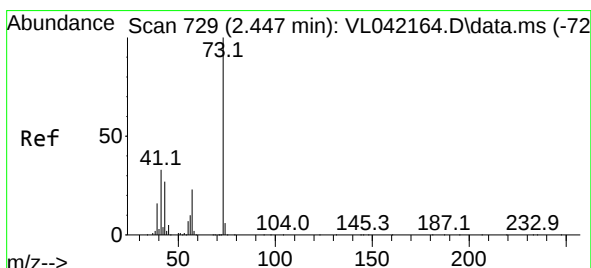
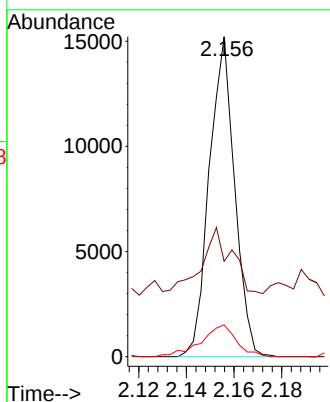
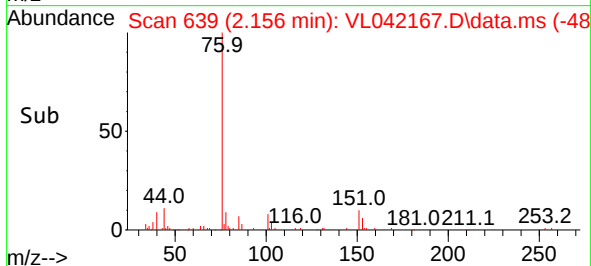
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 76 Resp: 11258
Ion Ratio Lower Upper
76 100
44 77.6 17.0 25.4
78 13.8 9.0 13.6

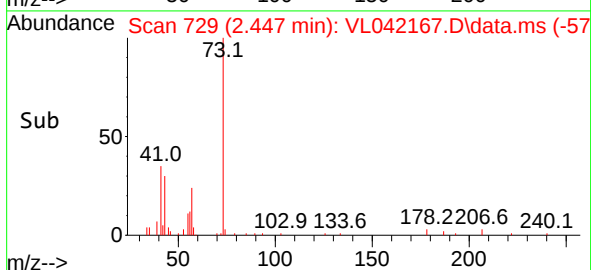
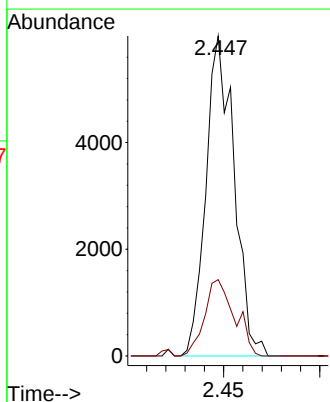
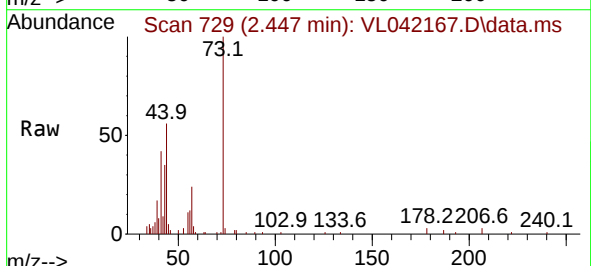
Manual Integrations
APPROVED

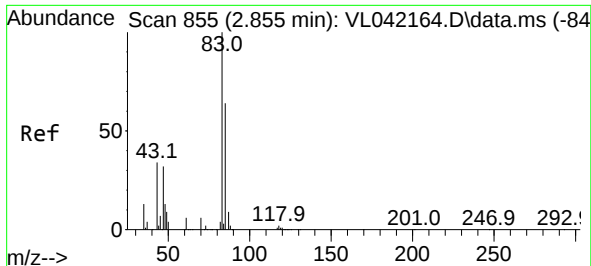
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#28
Methyl tert-Butyl Ether
Concen: 0.488 ppbv m
RT: 2.447 min Scan# 729
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 73 Resp: 6126
Ion Ratio Lower Upper
73 100
57 26.2 18.6 28.0





#29

Chloroform

Concen: 0.495 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 16404

Ion Ratio Lower Upper

83 100

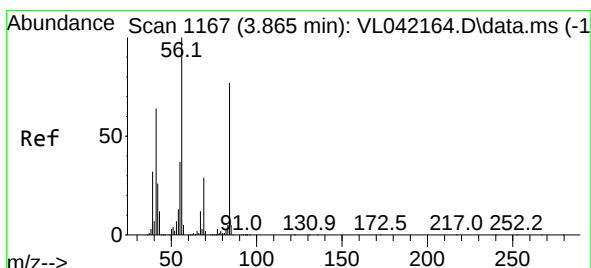
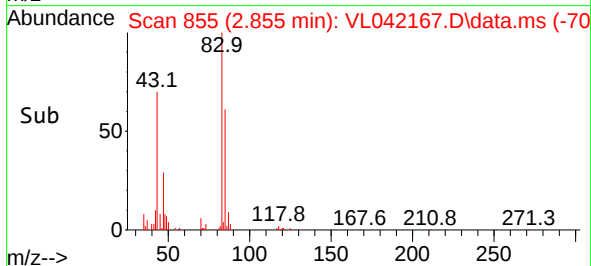
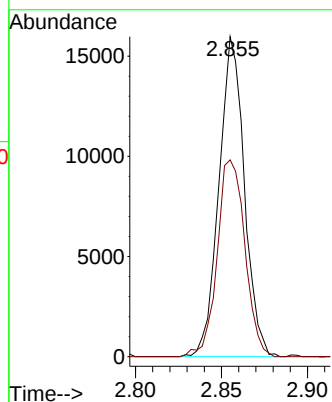
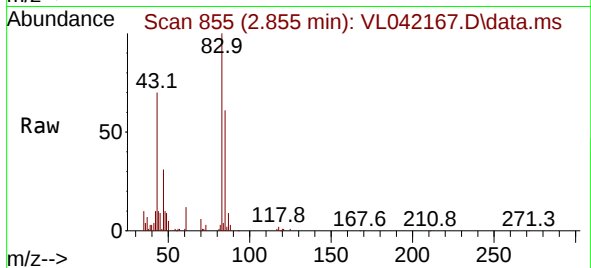
85 61.5 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#30

Cyclohexane

Concen: 0.294 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.007 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

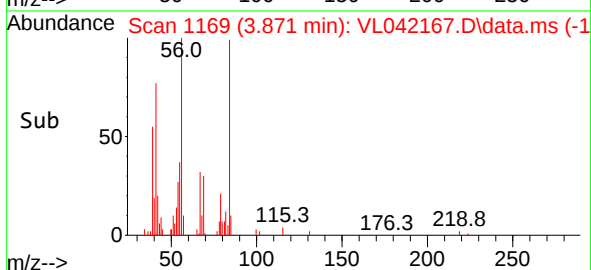
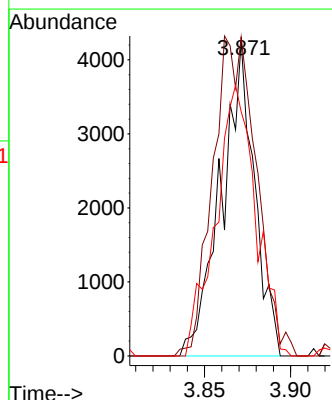
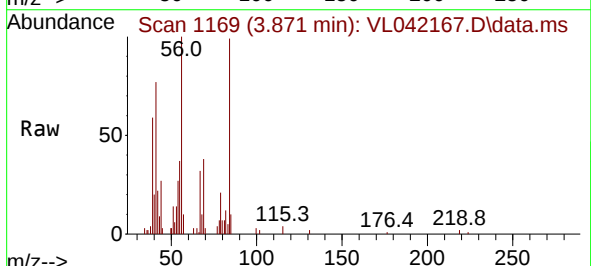
Tgt Ion: 84 Resp: 5711

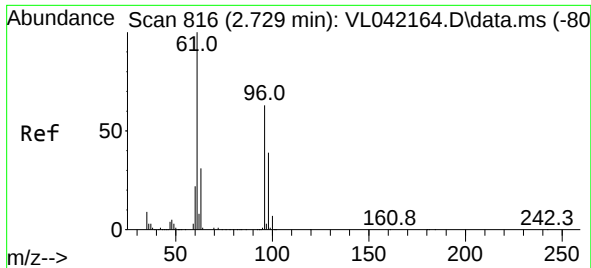
Ion Ratio Lower Upper

84 100

56 133.4 107.0 160.6

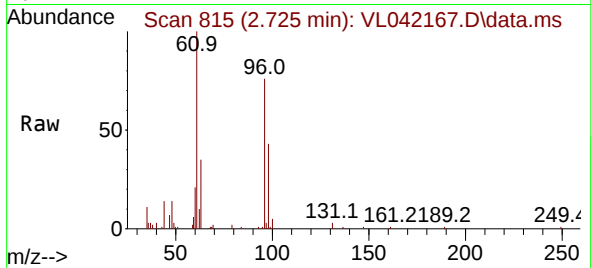
41 104.2 69.9 104.9





#31
 cis-1,2-Dichloroethene
 Concen: 0.391 ppbv
 RT: 2.725 min Scan# 816
 Delta R.T. -0.003 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

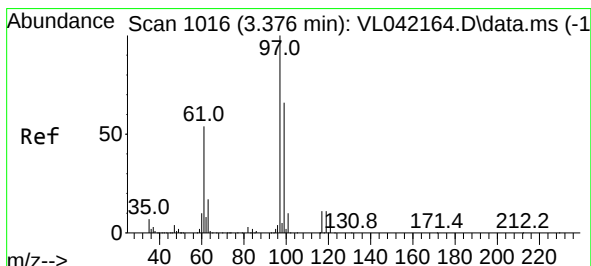
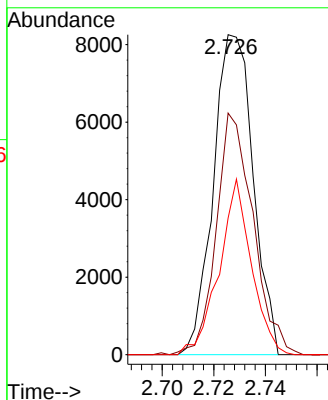
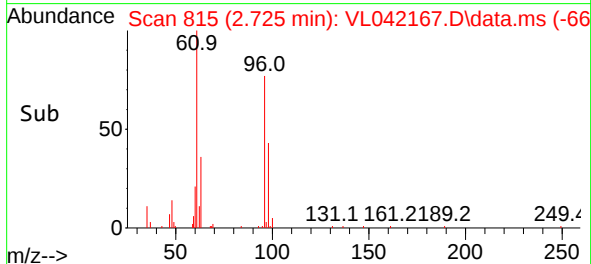
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



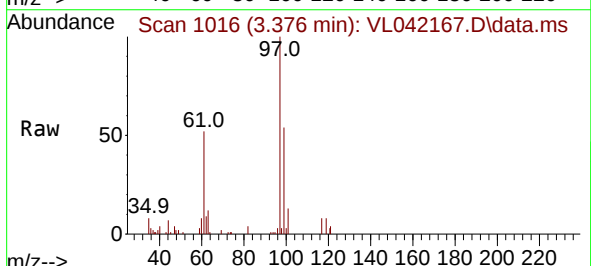
Tgt Ion: 61 Resp: 8850
 Ion Ratio Lower Upper
 61 100
 96 74.6 50.7 76.1
 98 42.7 31.4 47.0

Manual Integrations
 APPROVED

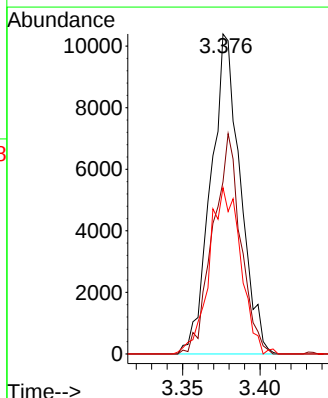
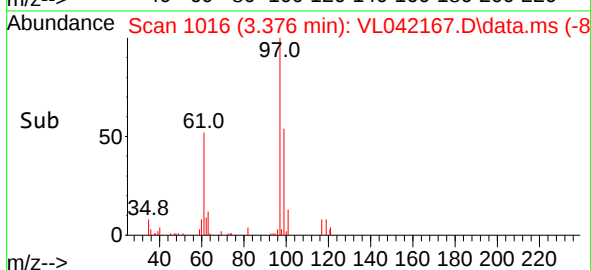
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

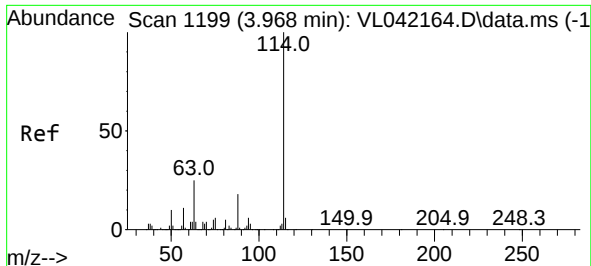


#32
 1,1,1-Trichloroethane
 Concen: 0.435 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31



Tgt Ion: 97 Resp: 13720
 Ion Ratio Lower Upper
 97 100
 99 65.1 50.6 75.8
 61 56.0 42.1 63.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

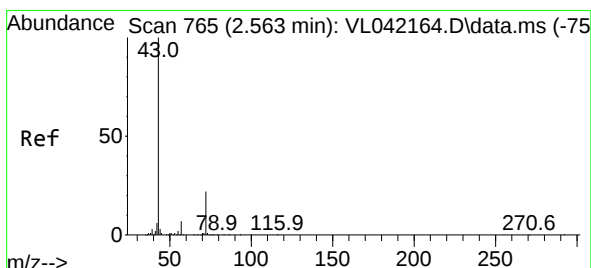
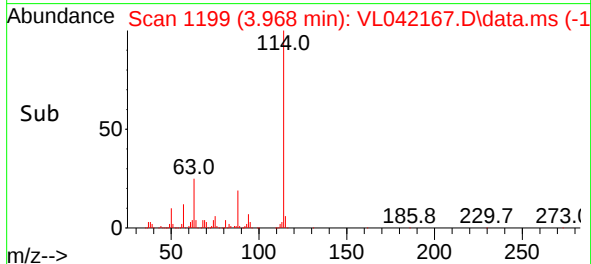
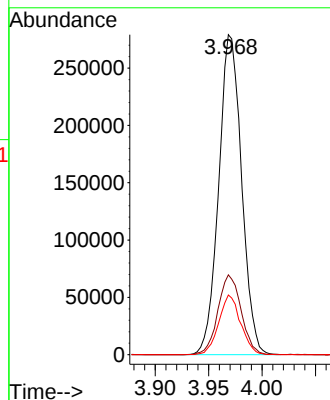
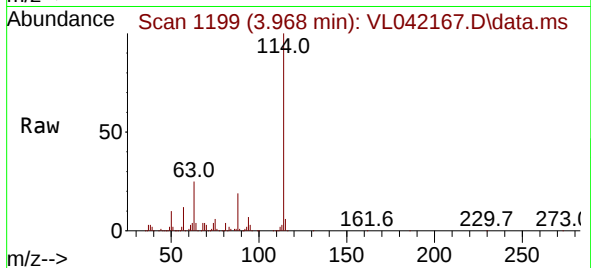
Tgt Ion:114 Resp: 416184

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.1	30.1
88	17.8	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#34

2-Butanone

Concen: 0.477 ppbv

RT: 2.567 min Scan# 766

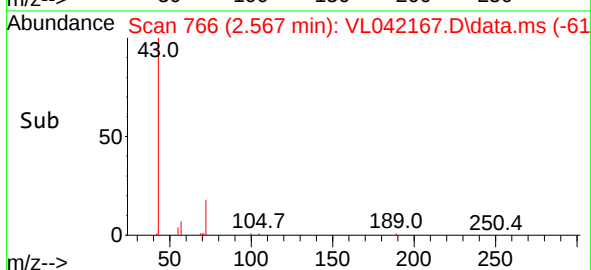
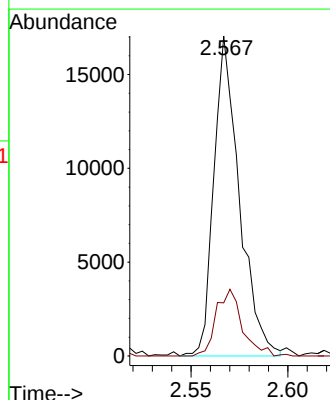
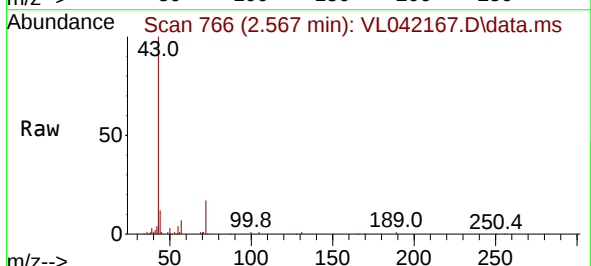
Delta R.T. 0.003 min

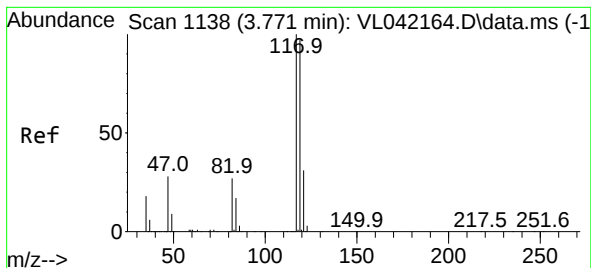
Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Tgt Ion: 43 Resp: 15619

Ion	Ratio	Lower	Upper
43	100		
72	21.3	17.2	25.8





#35

Carbon Tetrachloride

Concen: 0.511 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VL042167.D

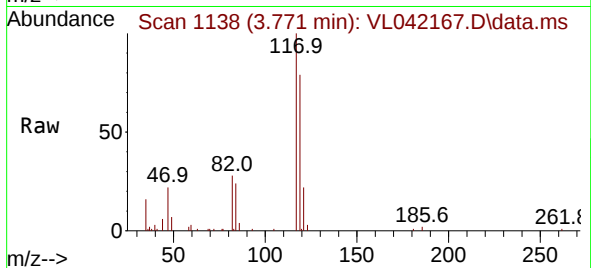
Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion: 117 Resp: 1484

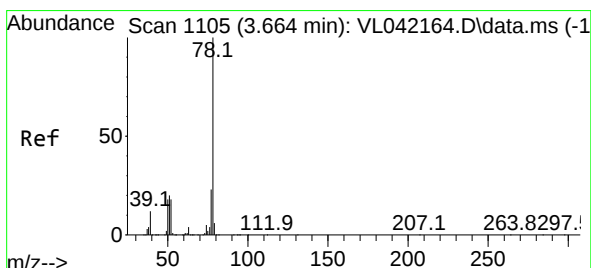
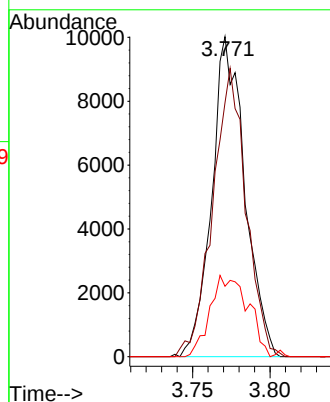
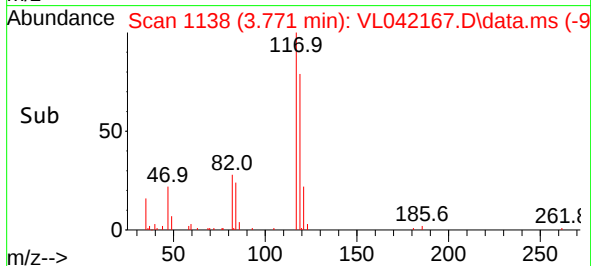
Ion	Ratio	Lower	Upper
117	100		
119	78.3	77.5	116.3
121	22.0	24.5	36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#36

Benzene

Concen: 0.428 ppbv m

RT: 3.671 min Scan# 1107

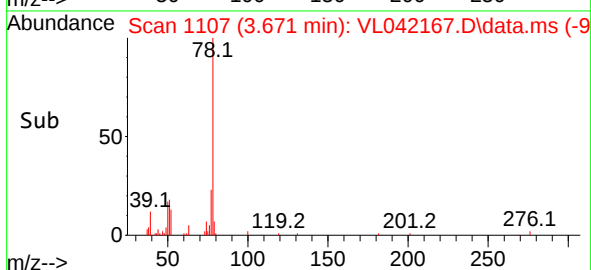
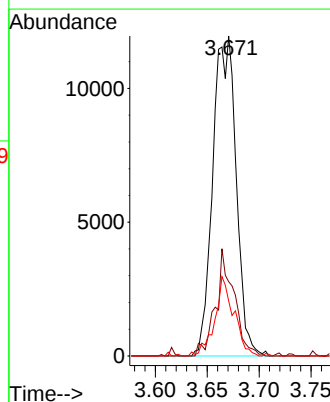
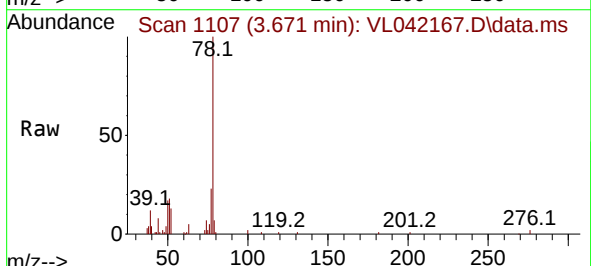
Delta R.T. 0.007 min

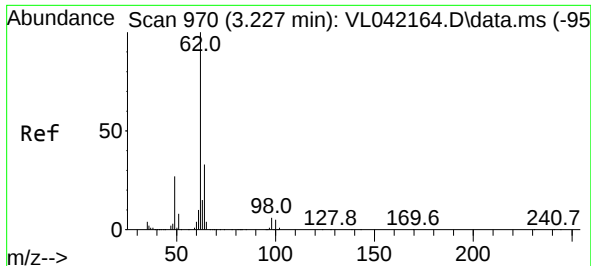
Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Tgt Ion: 78 Resp: 18706

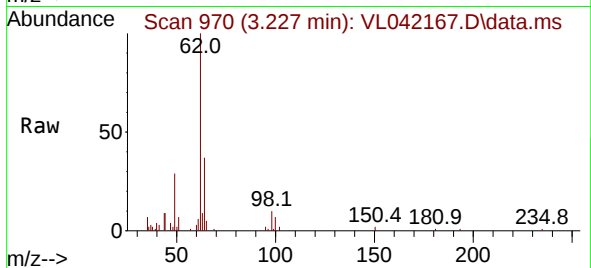
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6
50	17.2	14.2	21.4





#37
1,2-Dichloroethane
Concen: 0.434 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

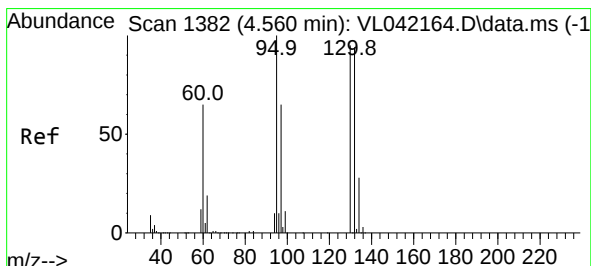
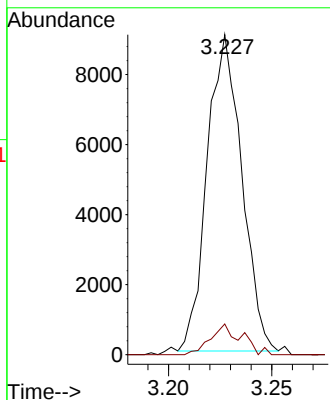
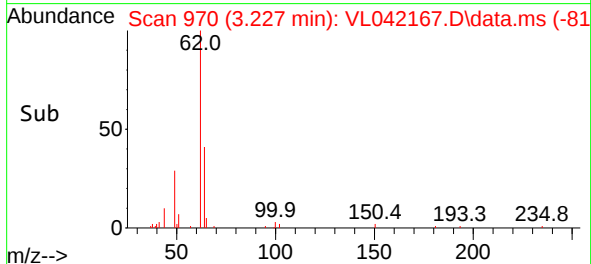
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 62 Resp: 10548
Ion Ratio Lower Upper
62 100
98 8.6 5.4 8.0

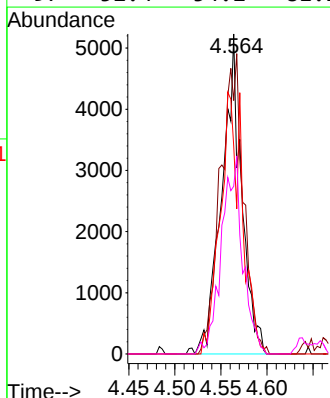
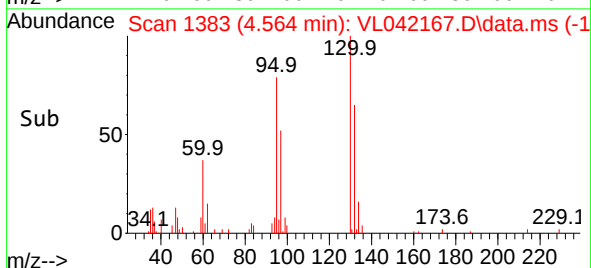
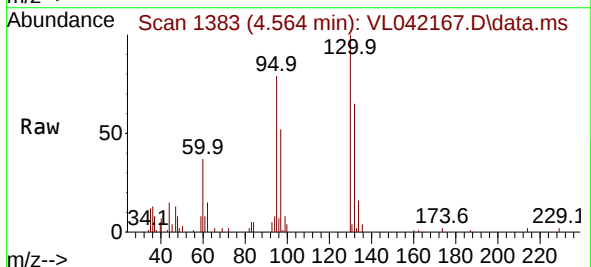
Manual Integrations
APPROVED

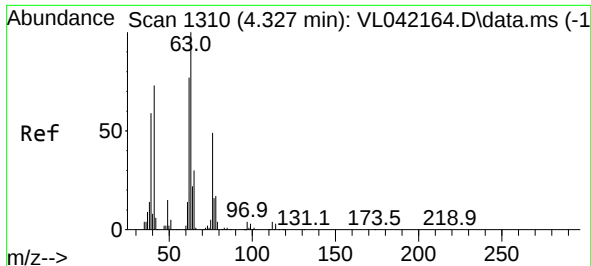
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#38
Trichloroethene
Concen: 0.439 ppbv m
RT: 4.564 min Scan# 1383
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:130 Resp: 7809
Ion Ratio Lower Upper
130 100
95 79.2 84.1 126.1#
132 65.0 79.0 118.6#
97 52.4 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 0.472 ppbv m

RT: 4.334 min Scan# 1310

Delta R.T. 0.007 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

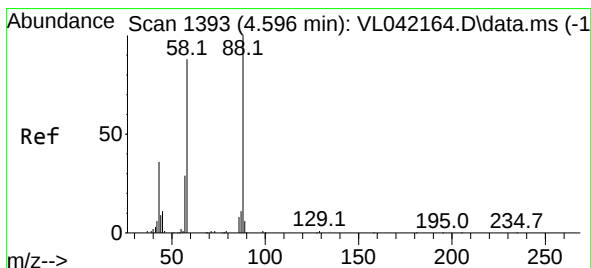
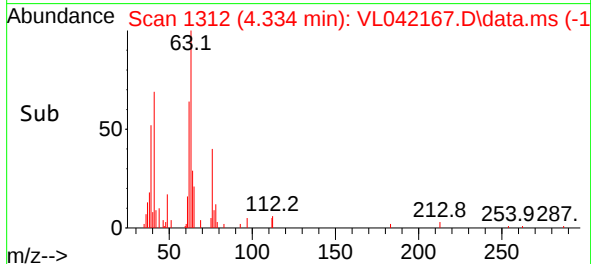
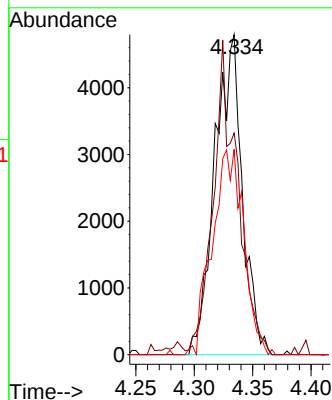
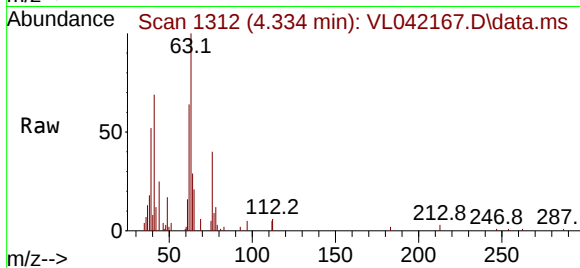
VSTDIC0.5

Tgt Ion:	63	Resp:	7874
Ion	Ratio	Lower	Upper
63	100		
41	69.2	58.8	88.2
62	64.2	61.3	91.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#40

1,4-Dioxane

Concen: 0.339 ppbv m

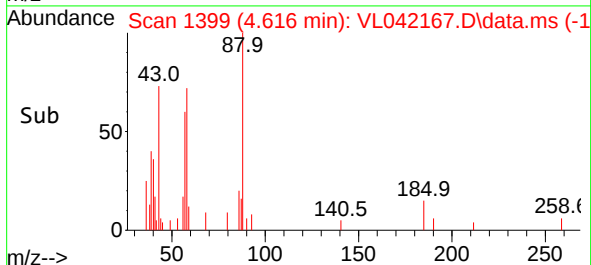
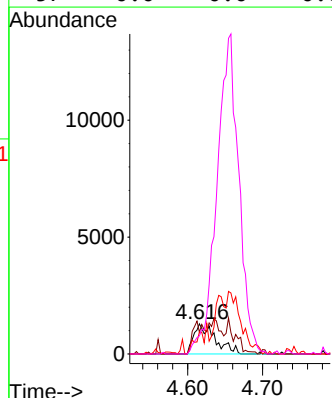
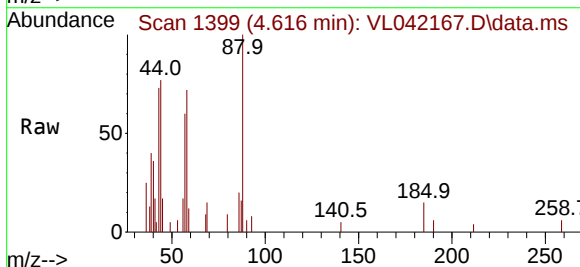
RT: 4.616 min Scan# 1399

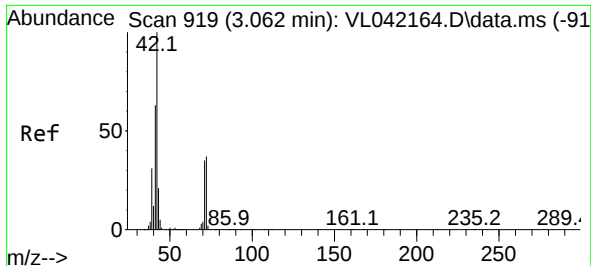
Delta R.T. 0.020 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

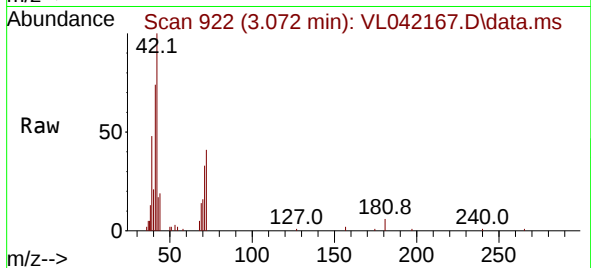
Tgt Ion:	88	Resp:	2555
Ion	Ratio	Lower	Upper
88	100		
58	0.0	68.0	102.0#
43	0.0	25.3	37.9#
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.323 ppbv
RT: 3.072 min Scan# 919
Delta R.T. 0.010 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

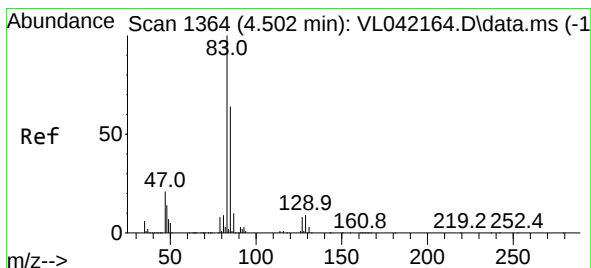
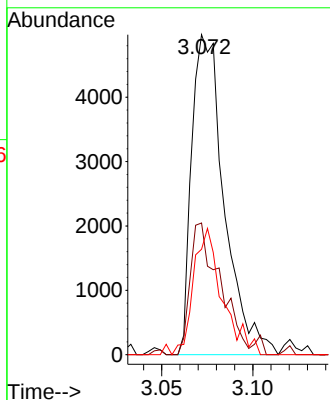
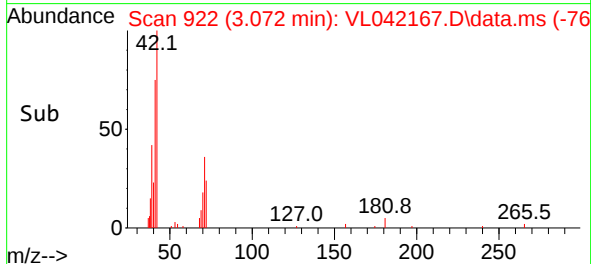
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



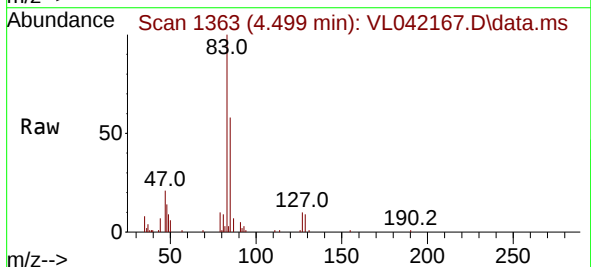
Tgt Ion: 42 Resp: 6170
Ion Ratio Lower Upper
42 100
72 40.0 29.4 44.2
71 35.4 27.8 41.6

Manual Integrations
APPROVED

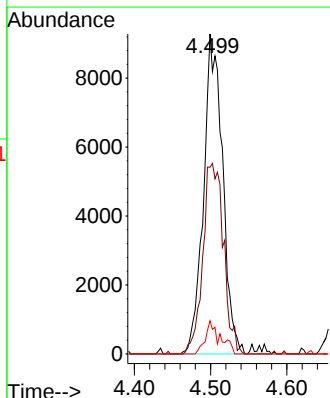
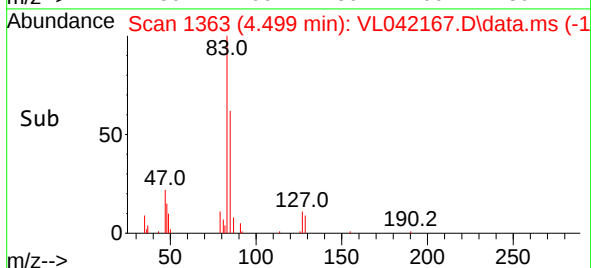
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

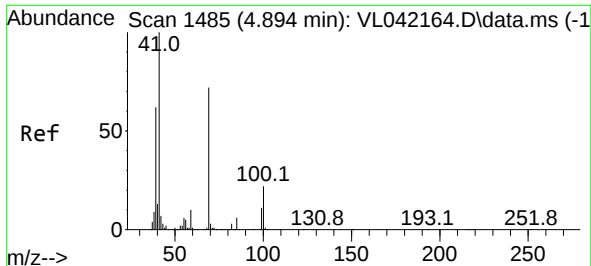


#42
Bromodichloromethane
Concen: 0.498 ppbv m
RT: 4.499 min Scan# 1363
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



Tgt Ion: 83 Resp: 16341
Ion Ratio Lower Upper
83 100
85 58.3 51.0 76.4
127 10.3 6.6 9.8





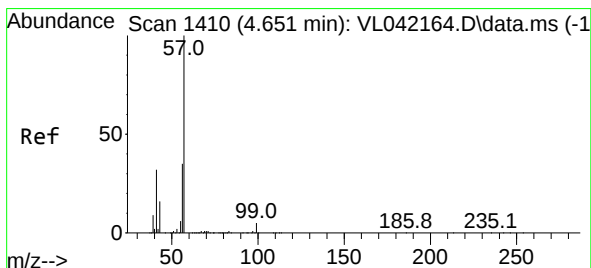
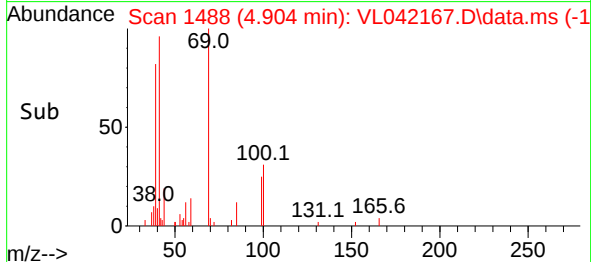
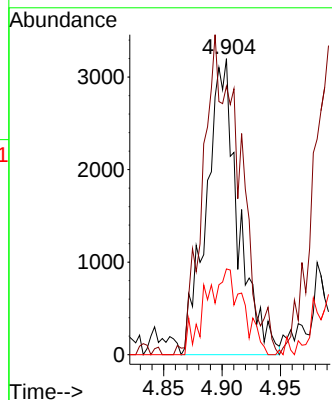
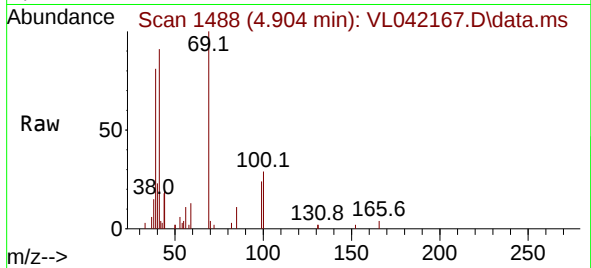
#43
Methyl Methacrylate
Concen: 0.363 ppbv
RT: 4.904 min Scan# 1488
Delta R.T. 0.010 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 606
Ion Ratio Lower Upper
69 100
41 124.8 120.6 180.8
100 0.0 26.2 39.2

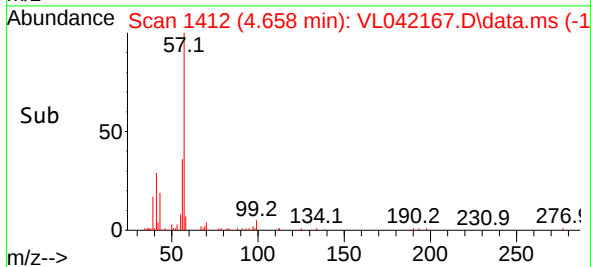
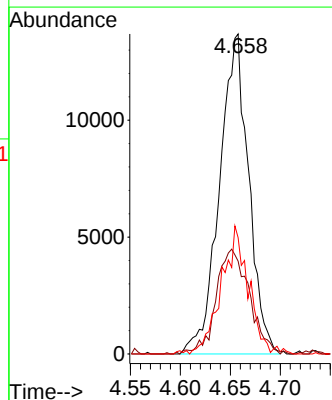
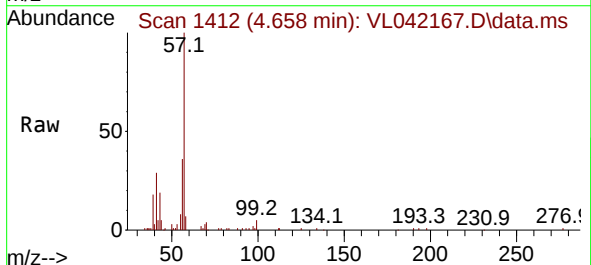
Manual Integrations
APPROVED

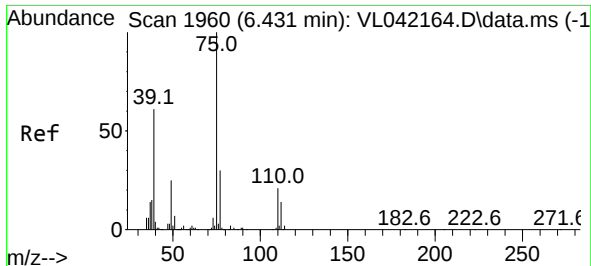
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#44
2,2,4-Trimethylpentane
Concen: 0.357 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 57 Resp: 27834
Ion Ratio Lower Upper
57 100
41 37.3 25.8 38.8
56 37.4 27.4 41.0





#45

t-1,3-Dichloropropene

Concen: 0.334 ppbv m

RT: 6.428 min Scan# 1960

Delta R.T. -0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 75 Resp: 5410

Ion Ratio Lower Upper

75 100

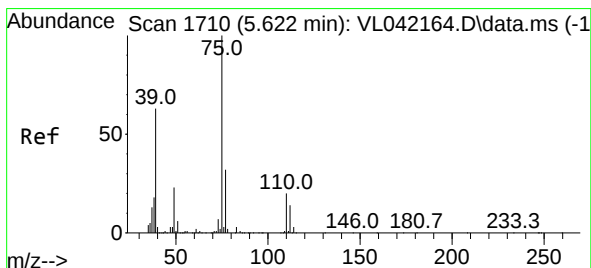
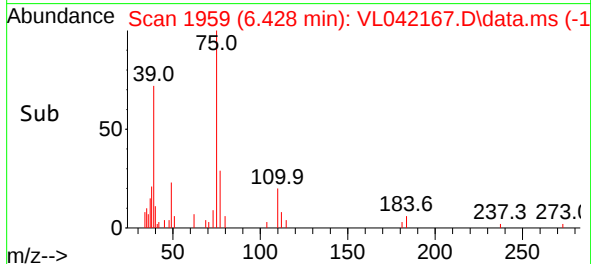
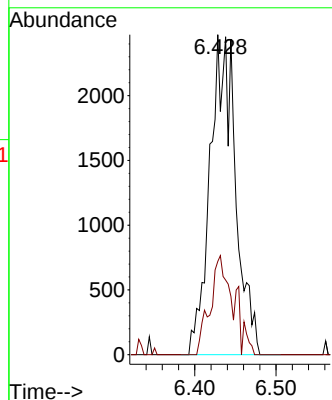
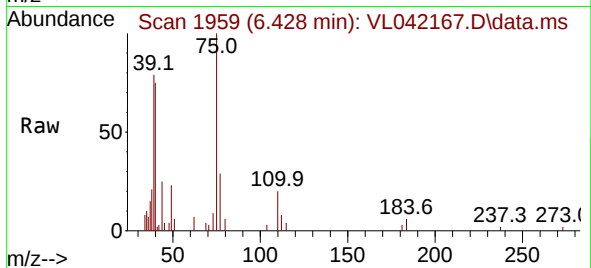
77 29.2 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#46

cis-1,3-Dichloropropene

Concen: 0.343 ppbv m

RT: 5.619 min Scan# 1709

Delta R.T. -0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

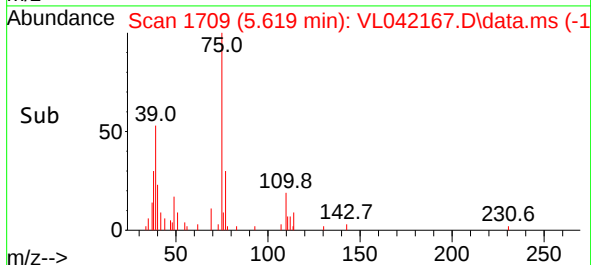
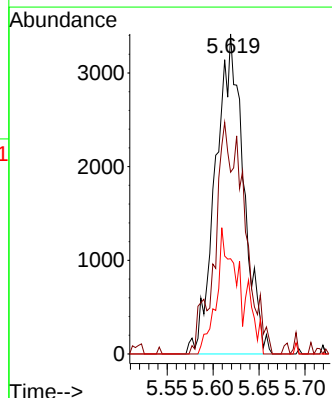
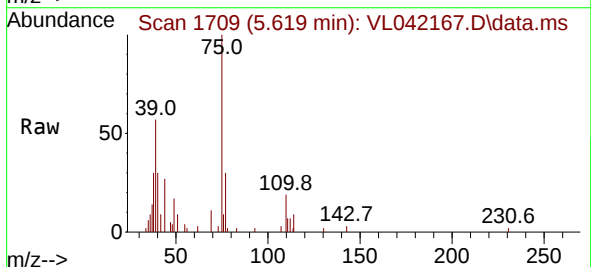
Tgt Ion: 75 Resp: 7246

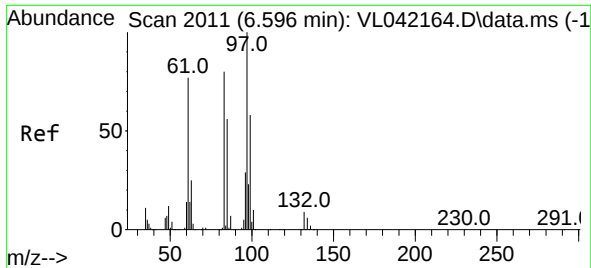
Ion Ratio Lower Upper

75 100

39 56.8 50.4 75.6

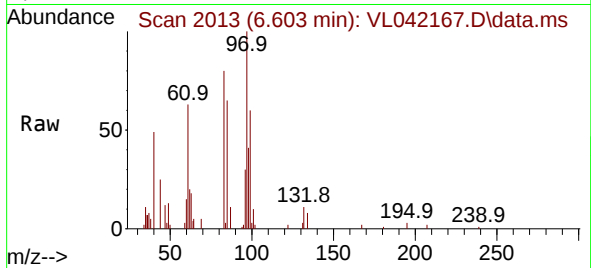
77 29.8 25.8 38.8





#47
1,1,2-Trichloroethane
Concen: 0.514 ppbv m
RT: 6.603 min Scan# 2011
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

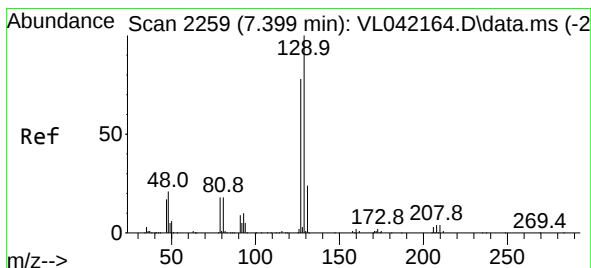
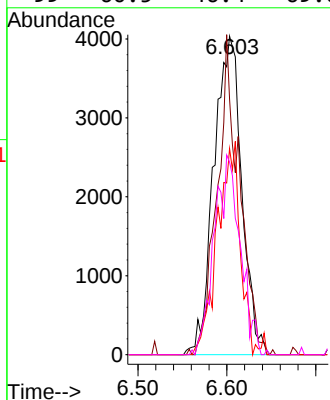
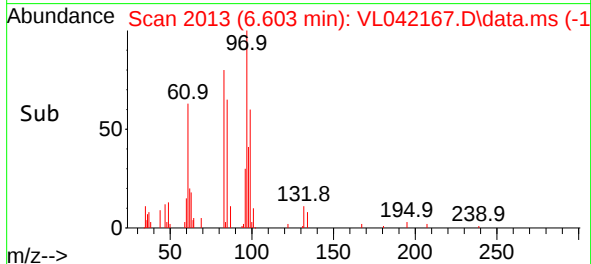
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 97 Resp: 878
Ion Ratio Lower Upper
97 100
83 80.3 64.2 96.4
85 64.7 44.5 66.7
99 60.5 46.4 69.6

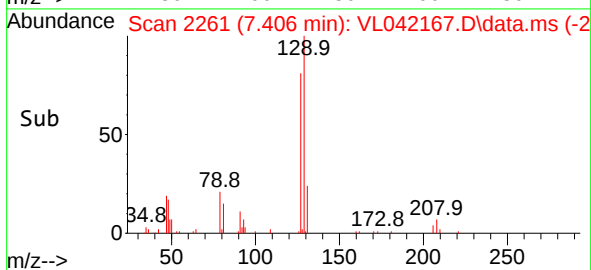
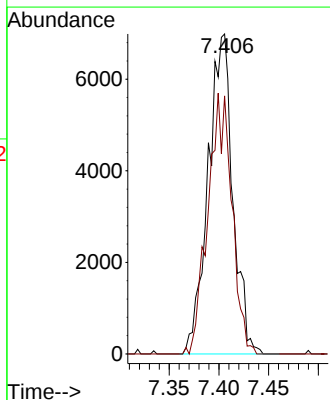
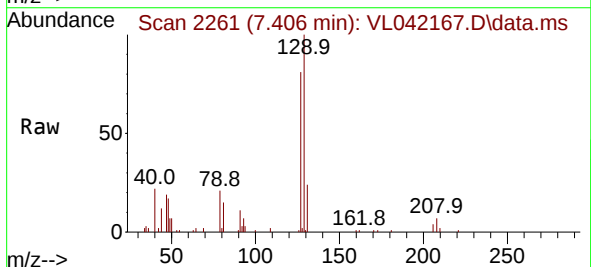
Manual Integrations
APPROVED

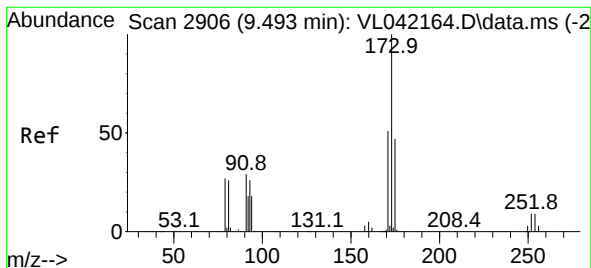
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#48
Dibromochloromethane
Concen: 0.458 ppbv m
RT: 7.406 min Scan# 2261
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:129 Resp: 12111
Ion Ratio Lower Upper
129 100
127 79.0 38.7 116.1





#49

Bromoform

Concen: 0.411 ppbv

RT: 9.493 min Scan# 2906

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

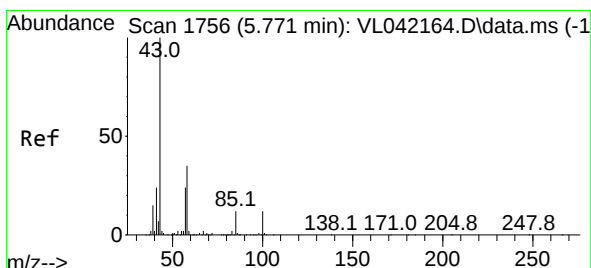
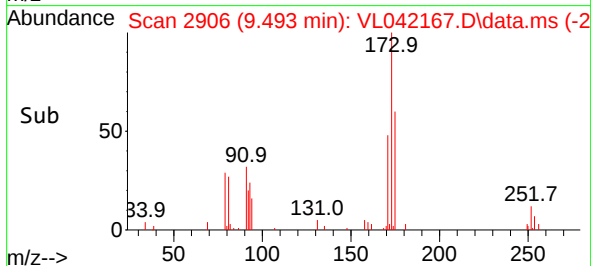
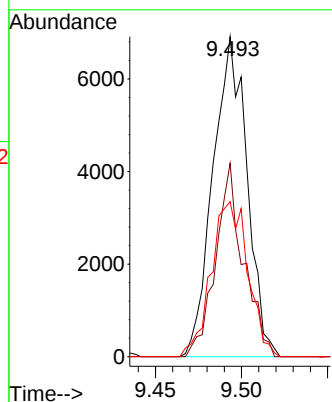
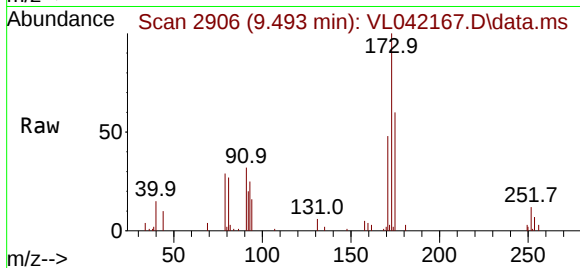
VSTDICC0.5

Tgt Ion:	173	Resp:	948
Ion Ratio	Lower	Upper	
173	100		
175	49.6	38.5	57.7
171	52.5	41.1	61.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#50

4-Methyl-2-Pentanone

Concen: 0.387 ppbv m

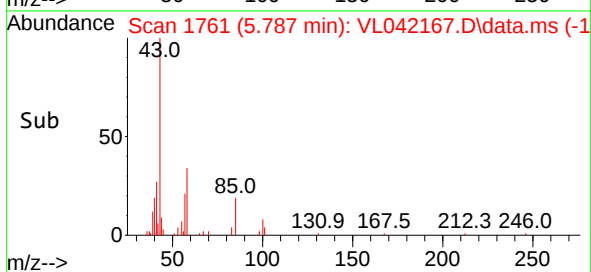
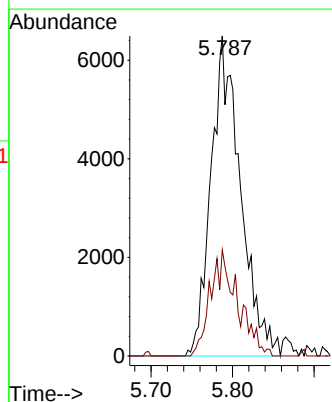
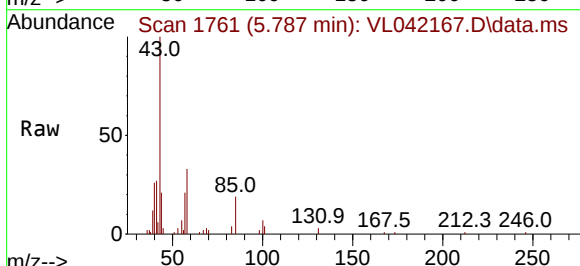
RT: 5.787 min Scan# 1761

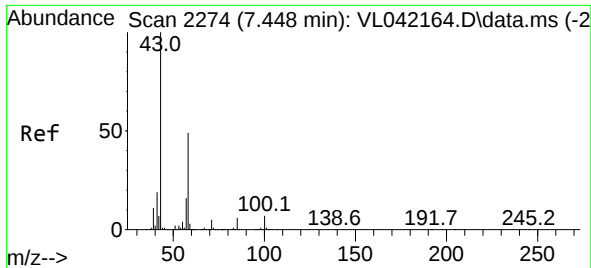
Delta R.T. 0.016 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Tgt Ion:	43	Resp:	16306
Ion Ratio	Lower	Upper	
43	100		
58	30.7	27.2	40.8





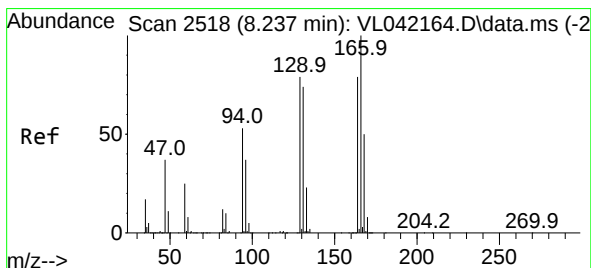
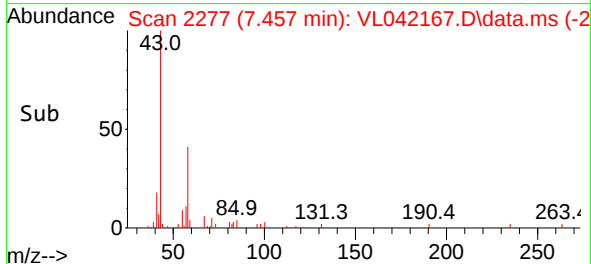
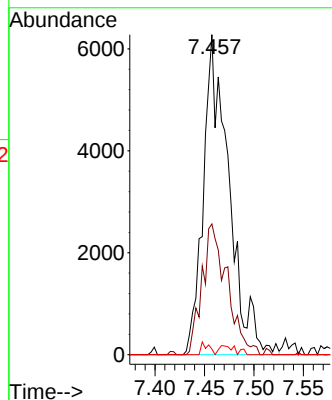
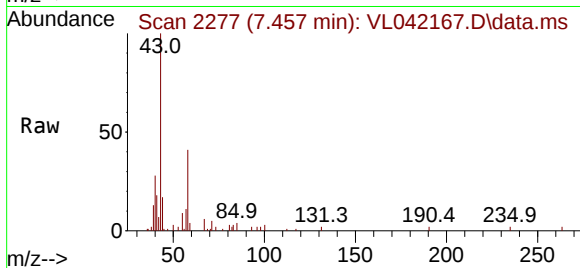
#51
2-Hexanone
Concen: 0.394 ppbv m
RT: 7.457 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 1127
Ion Ratio Lower Upper
43 100
58 40.7 37.9 56.9
98 3.0 0.9 1.3

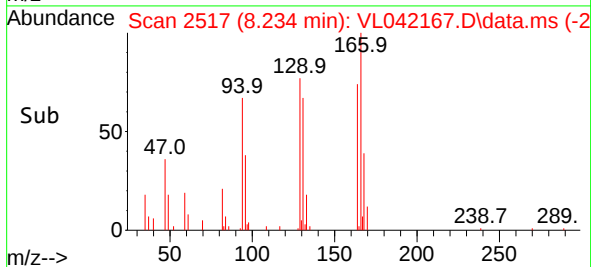
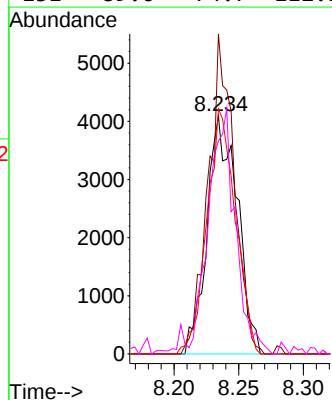
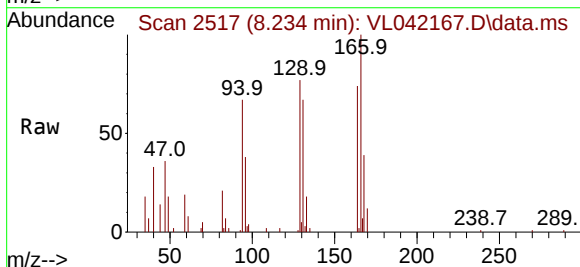
Manual Integrations
APPROVED

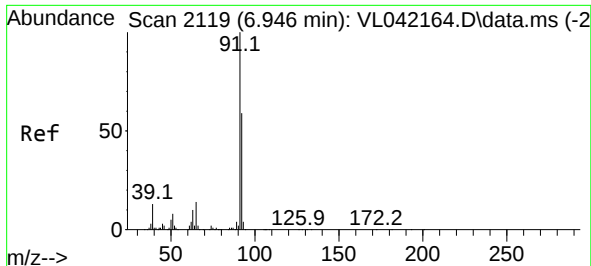
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#52
Tetrachloroethene
Concen: 0.448 ppbv m
RT: 8.234 min Scan# 2517
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:164 Resp: 6668
Ion Ratio Lower Upper
164 100
166 134.6 101.3 151.9
129 103.0 79.6 119.4
131 89.6 74.7 112.1





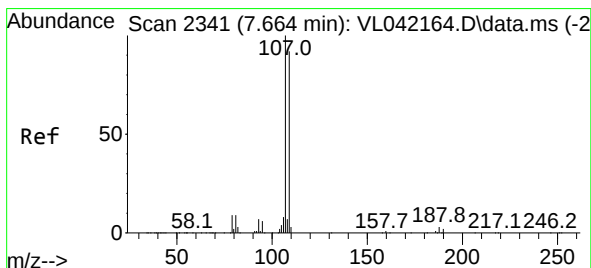
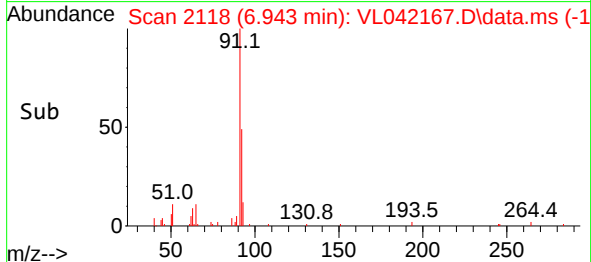
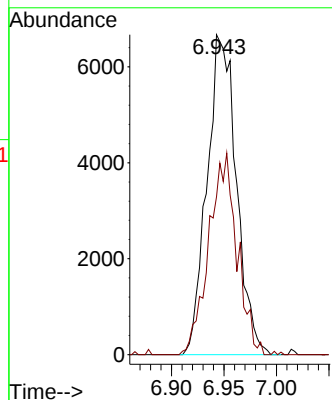
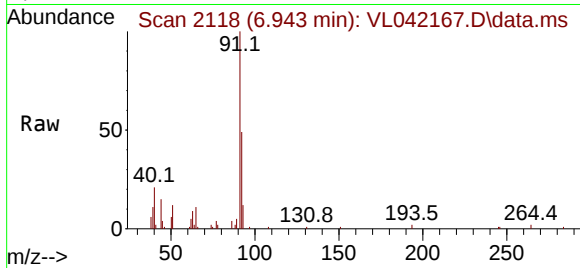
#53
Toluene
Concen: 0.269 ppbv m
RT: 6.943 min Scan# 2119
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 12970
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.4

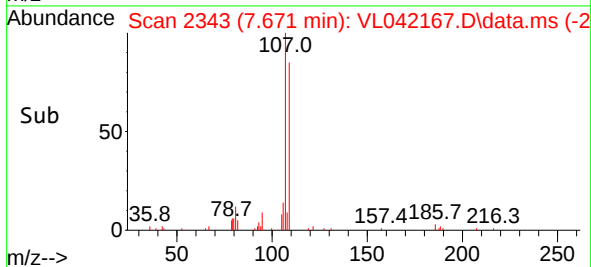
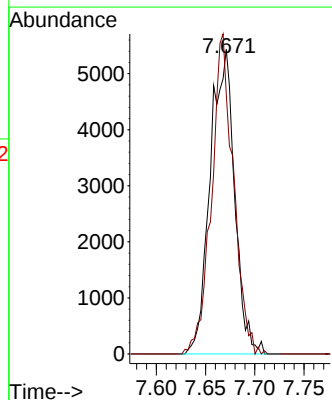
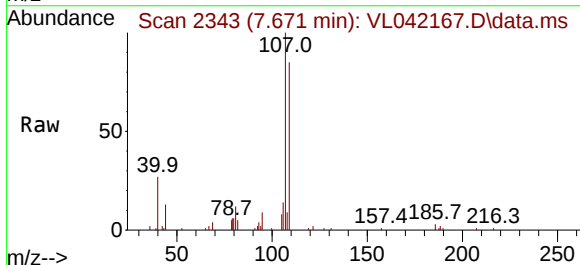
Manual Integrations
APPROVED

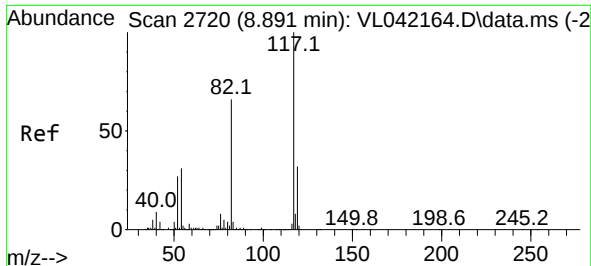
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#54
1,2-Dibromoethane
Concen: 0.413 ppbv m
RT: 7.671 min Scan# 2343
Delta R.T. 0.007 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:107 Resp: 9384
Ion Ratio Lower Upper
107 100
109 85.3 73.4 110.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

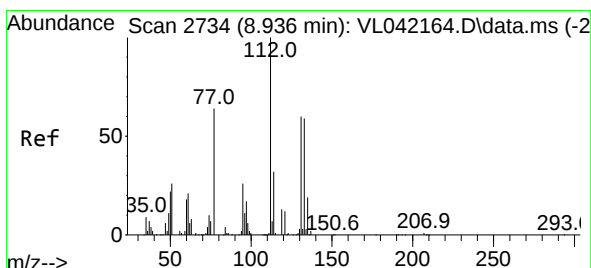
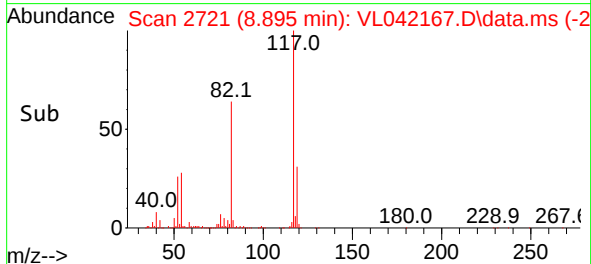
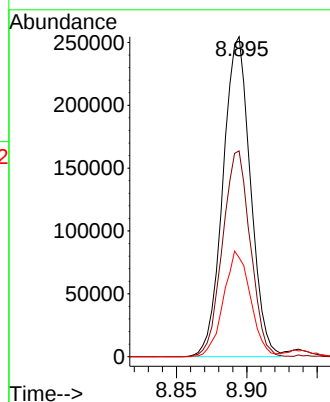
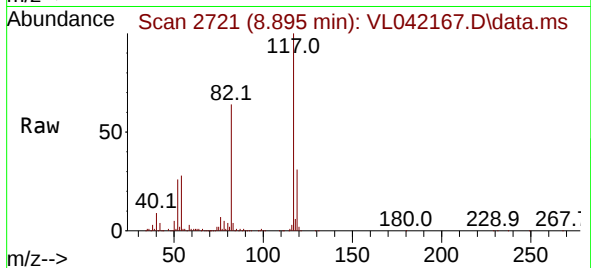
VSTDIC0.5

Tgt Ion:	117	Resp:	34583
Ion Ratio	Lower	Upper	
117	100		
82	65.2	54.2	81.4
119	34.4	25.4	38.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#56

1,1,1,2-Tetrachloroethane

Concen: 0.550 ppbv m

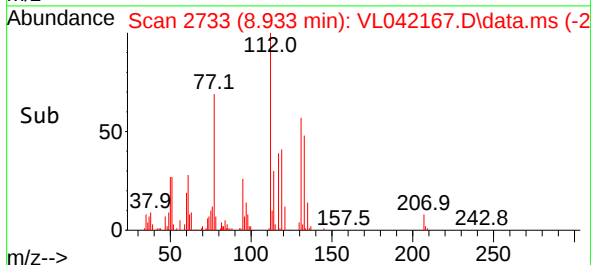
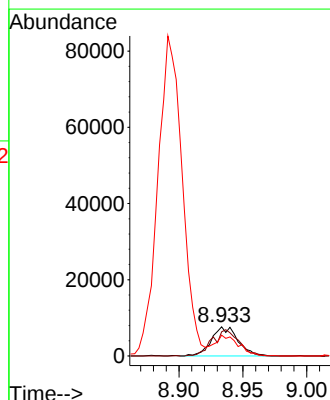
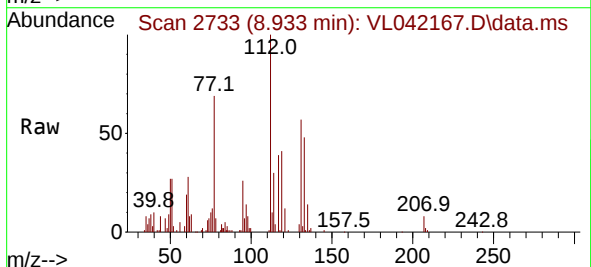
RT: 8.933 min Scan# 2733

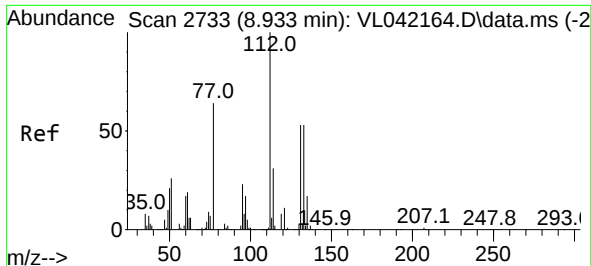
Delta R.T. -0.003 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

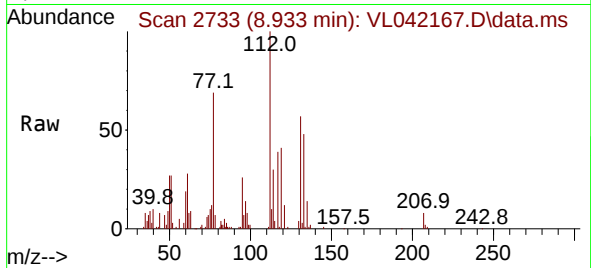
Tgt Ion:	131	Resp:	11061
Ion Ratio	Lower	Upper	
131	100		
133	0.0	74.7	112.1#
119	0.0	52.5	78.7#





#57
Chlorobenzene
Concen: 0.531 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

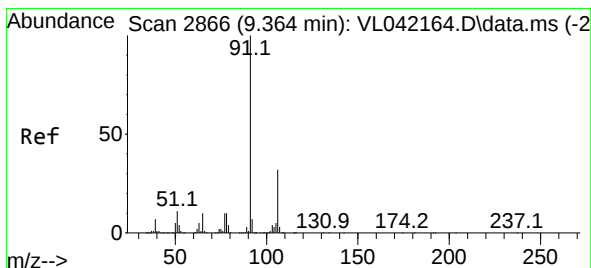
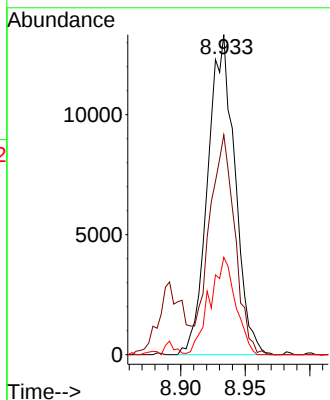
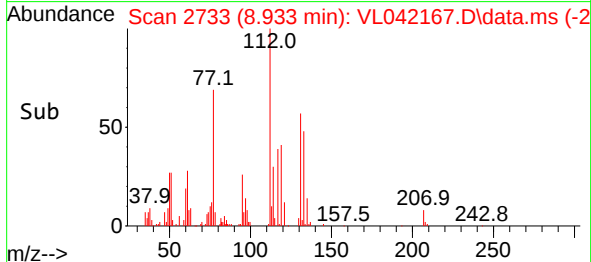
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



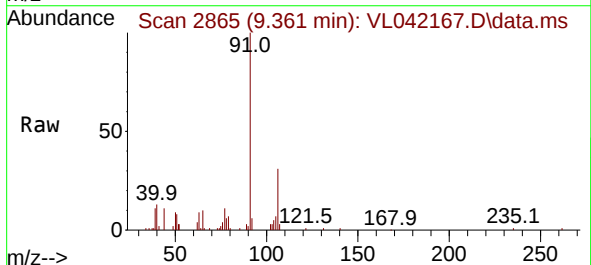
Tgt Ion: 112 Resp: 1948
Ion Ratio Lower Upper
112 100
77 68.7 51.7 77.5
114 30.4 28.2 34.4

Manual Integrations
APPROVED

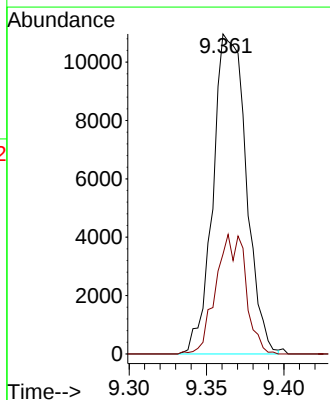
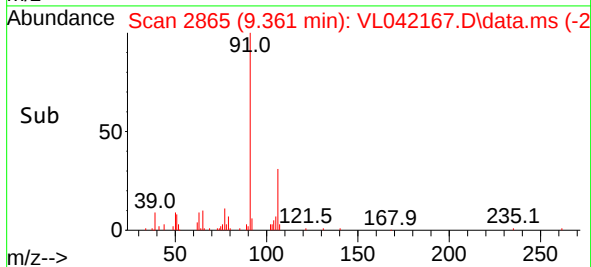
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

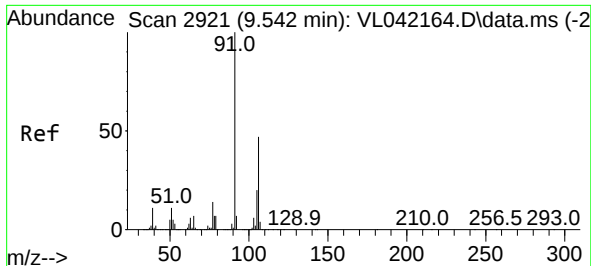


#58
Ethyl Benzene
Concen: 0.258 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



Tgt Ion: 91 Resp: 16344
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0





#59

m/p-Xylene

Concen: 0.522 ppbv m

RT: 9.561 min Scan# 2921

Delta R.T. 0.020 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 91 Resp: 26870

Ion Ratio Lower Upper

91 100

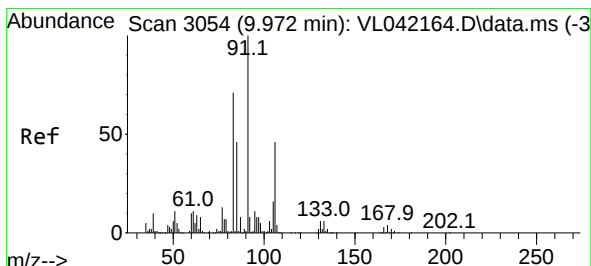
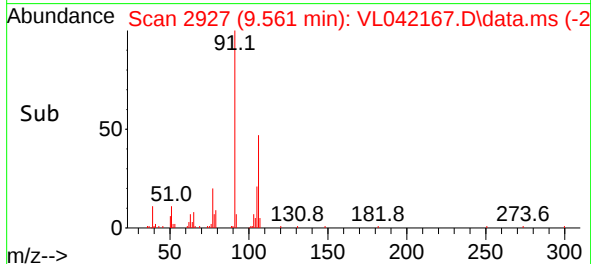
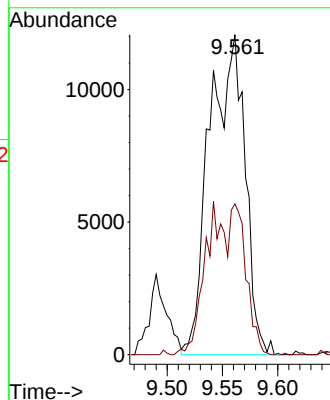
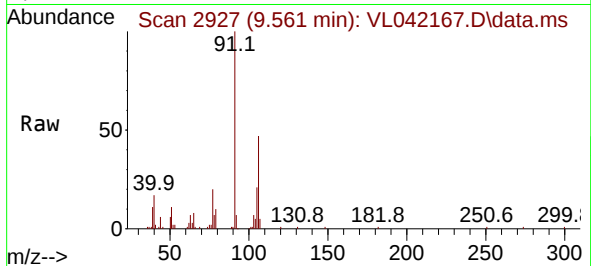
106 50.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#60

o-Xylene

Concen: 0.268 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.003 min

Lab File: VL042167.D

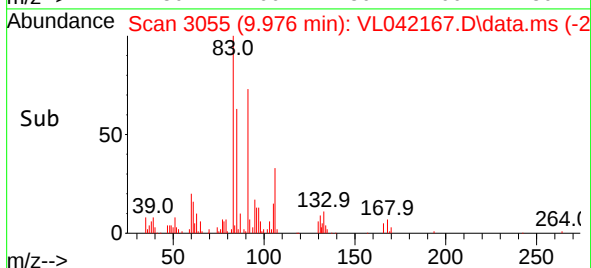
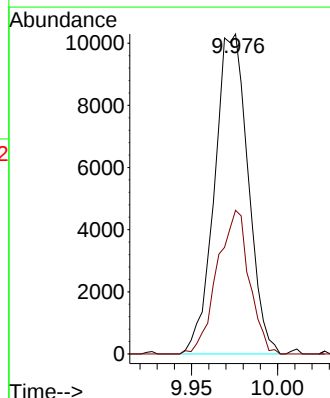
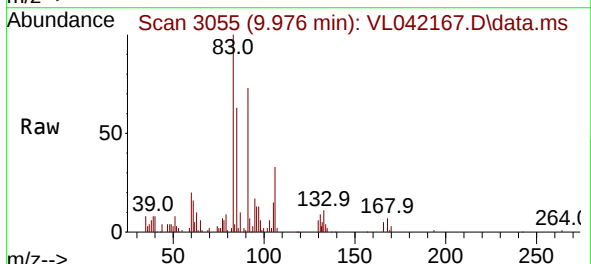
Acq: 25 Mar 2025 10:31

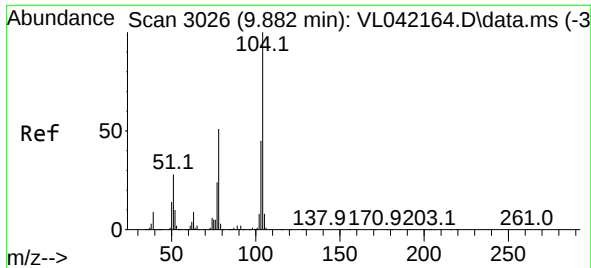
Tgt Ion: 91 Resp: 13955

Ion Ratio Lower Upper

91 100

106 43.0 22.7 68.0





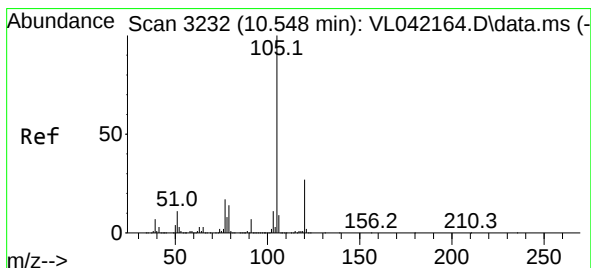
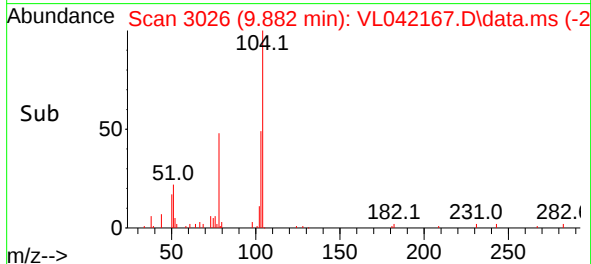
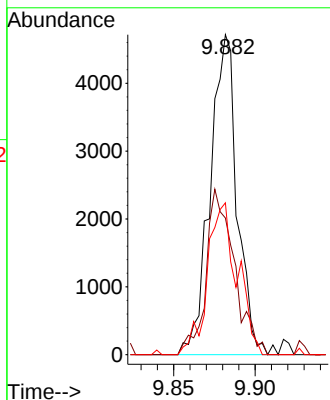
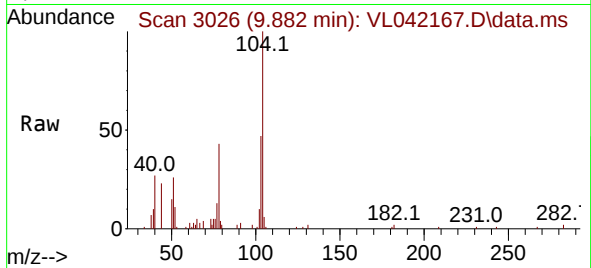
#61
Styrene
Concen: 0.231 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:104 Resp: 5460
Ion Ratio Lower Upper
104 100
78 53.7 39.7 59.5
103 52.3 37.4 56.2

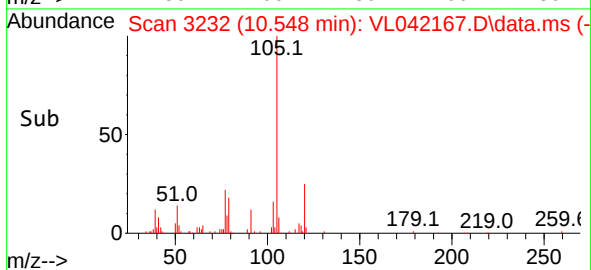
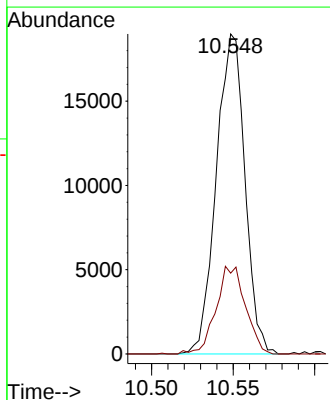
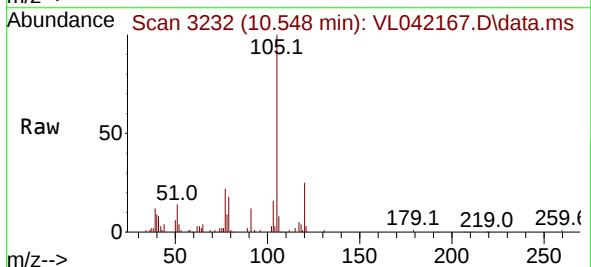
Manual Integrations
APPROVED

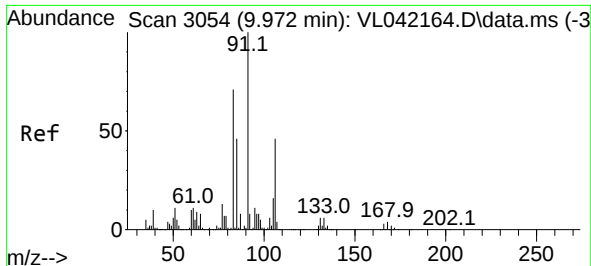
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#62
Isopropylbenzene
Concen: 0.298 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:105 Resp: 23146
Ion Ratio Lower Upper
105 100
120 28.2 21.4 32.0





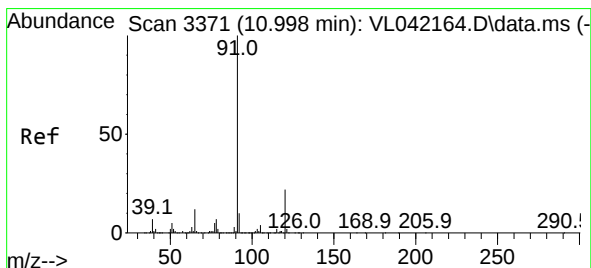
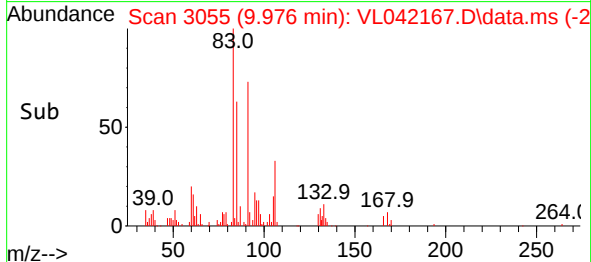
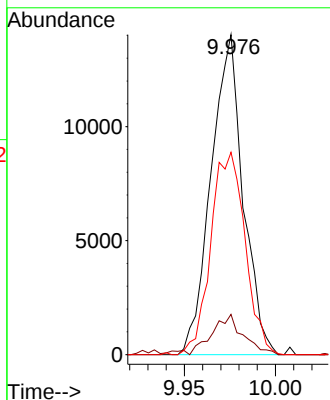
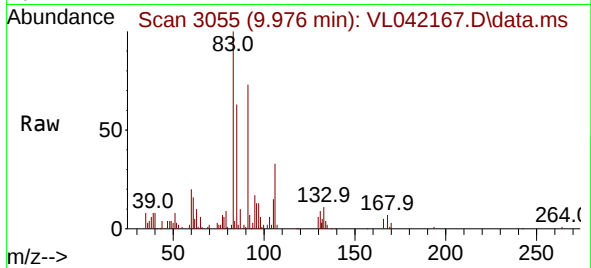
#63
1,1,2,2-Tetrachloroethane
Concen: 0.497 ppbv
RT: 9.976 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 83 Resp: 17170
Ion Ratio Lower Upper
83 100
131 14.0 4.5 13.5
85 67.7 32.3 96.9

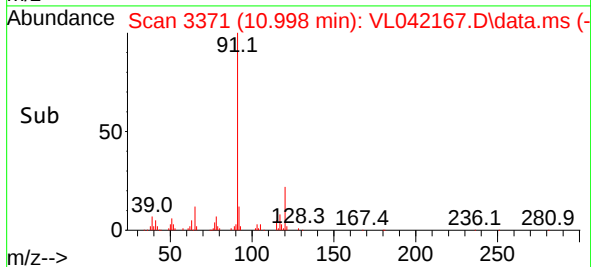
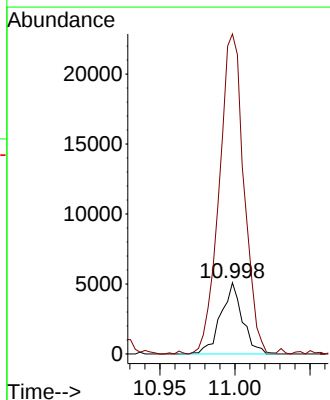
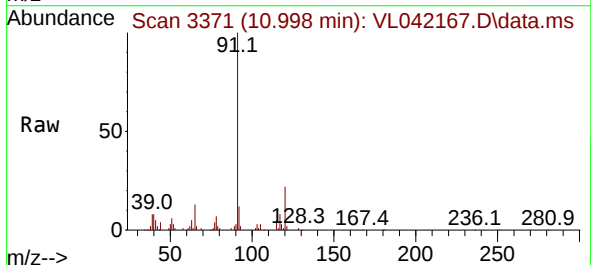
Manual Integrations
APPROVED

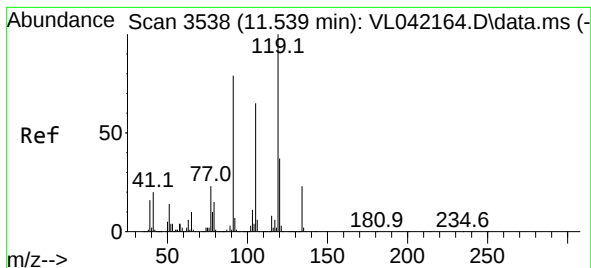
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#64
n-propylbenzene
Concen: 0.247 ppbv m
RT: 10.998 min Scan# 3371
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:120 Resp: 5082
Ion Ratio Lower Upper
120 100
91 519.2 369.8 554.8





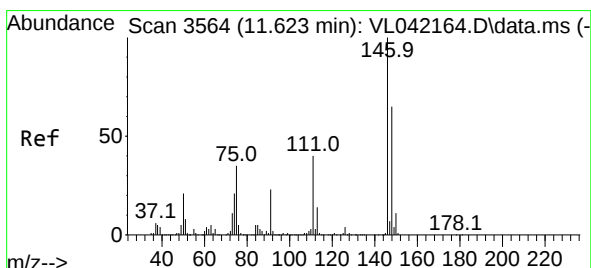
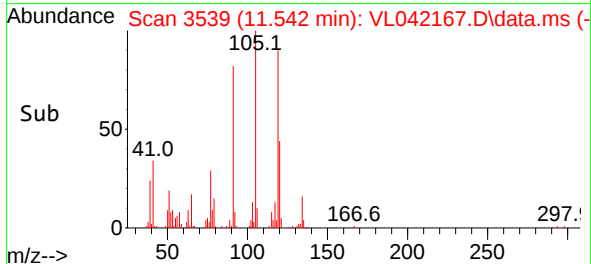
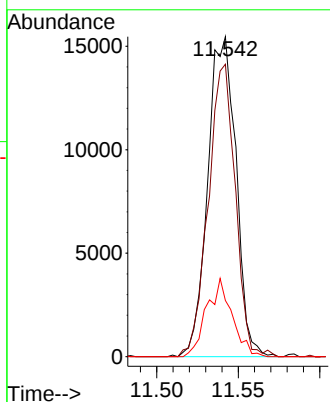
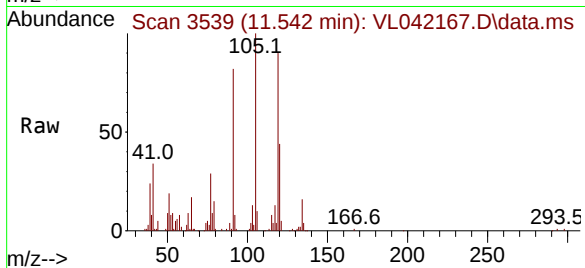
#65
tert-Butylbenzene
Concen: 0.260 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 1864
Ion Ratio Lower Upper
119 100
91 87.5 63.5 95.3
134 22.0 17.4 26.2

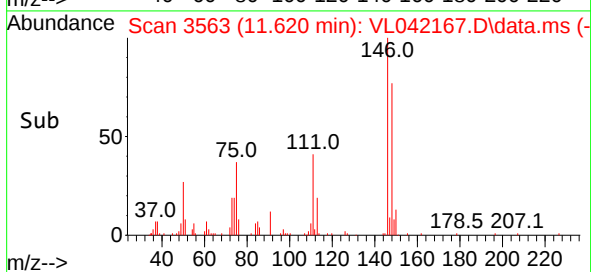
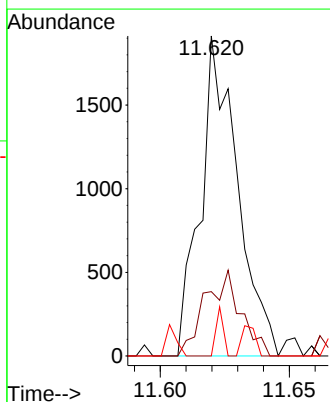
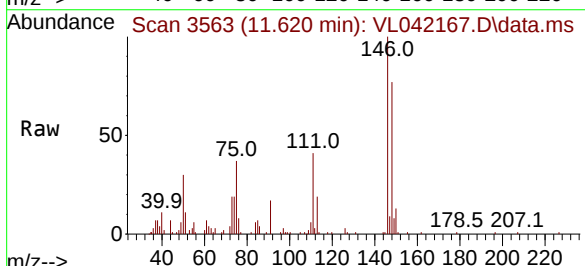
Manual Integrations
APPROVED

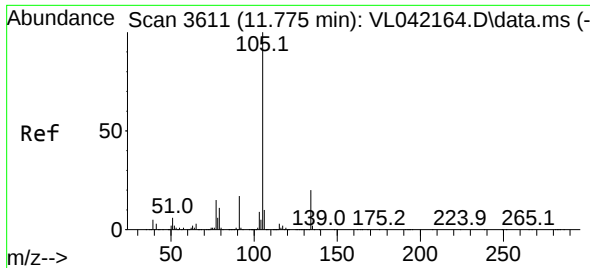
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#66
Benzyl Chloride
Concen: 0.359 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion: 91 Resp: 1904
Ion Ratio Lower Upper
91 100
126 25.8 15.0 22.6#
128 9.2 4.6 7.0#





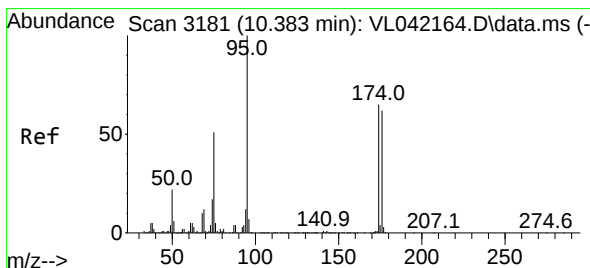
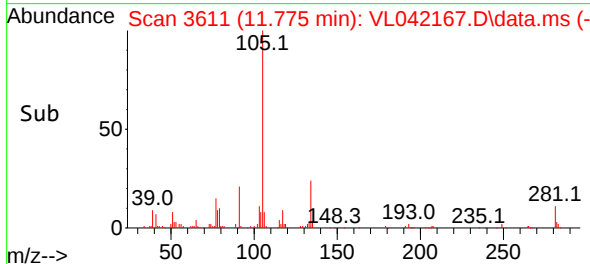
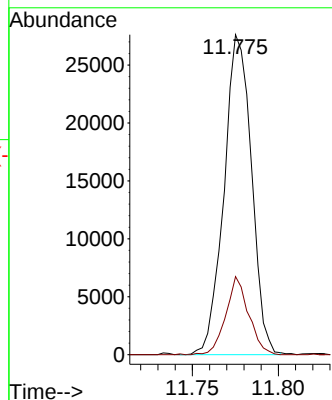
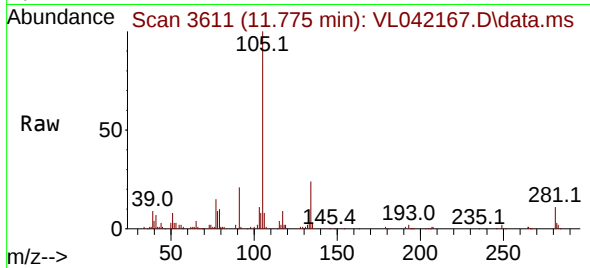
#67
 sec-Butylbenzene
 Concen: 0.299 ppbv
 RT: 11.775 min Scan# 3611
 Delta R.T. 0.000 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:105 Resp: 3067
 Ion Ratio Lower Upper
 105 100
 134 20.3 15.4 23.2

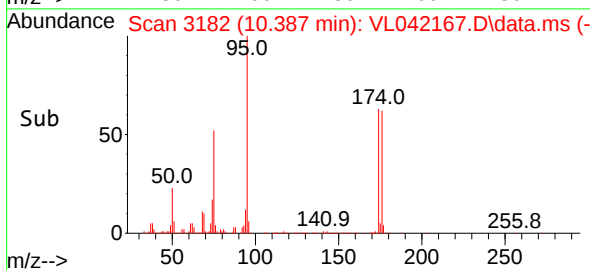
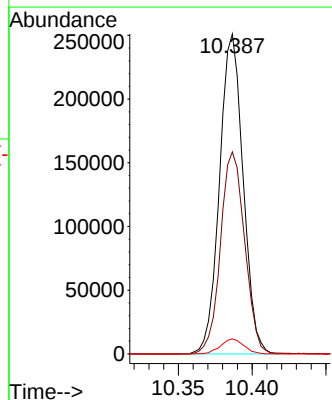
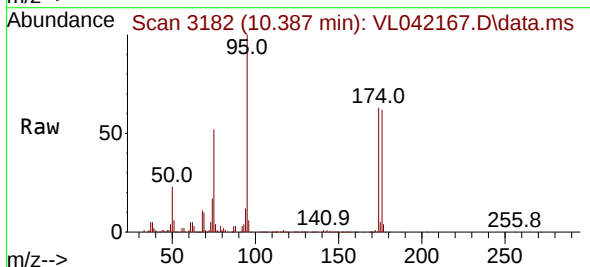
Manual Integrations
 APPROVED

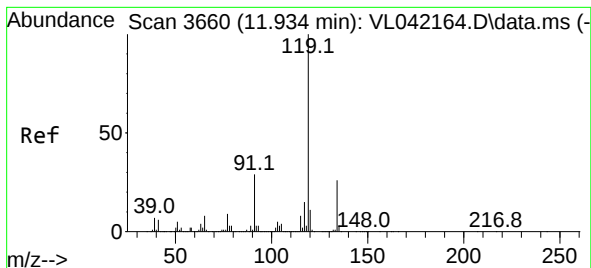
Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.324 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.003 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

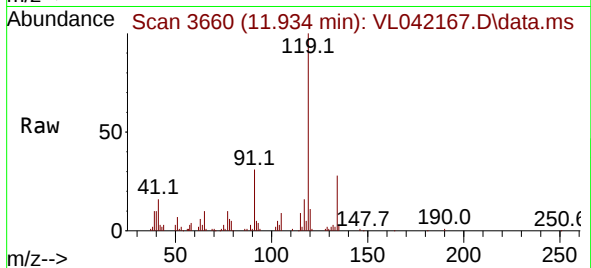
Tgt Ion: 95 Resp: 279009
 Ion Ratio Lower Upper
 95 100
 174 64.9 53.5 80.3
 175 4.7 3.8 5.8





#69
p-Isopropyltoluene
Concen: 0.259 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

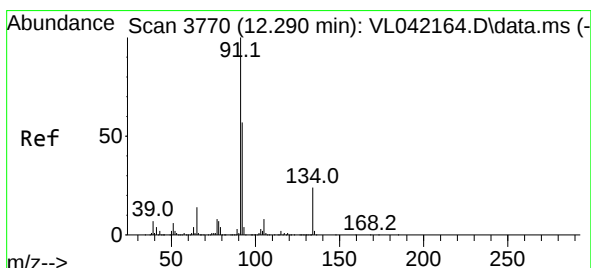
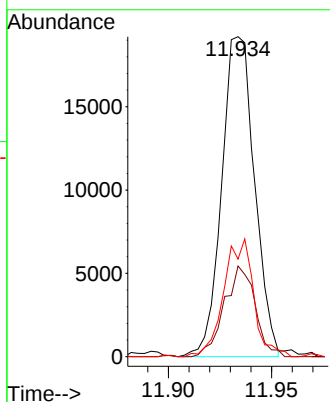
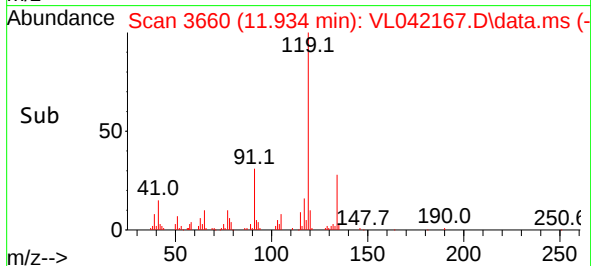
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



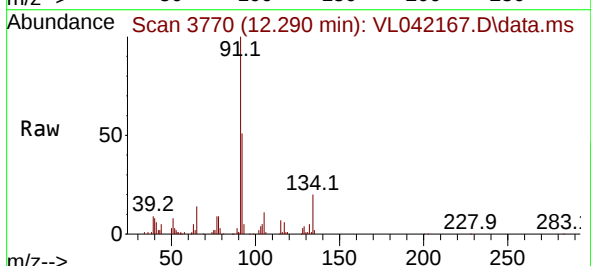
Tgt Ion: 119 Resp: 21279
Ion Ratio Lower Upper
119 100
134 26.6 21.3 31.9
91 33.7 22.4 33.6

Manual Integrations
APPROVED

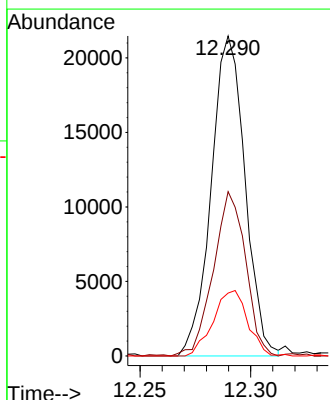
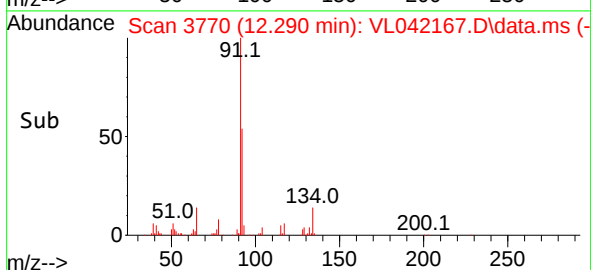
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

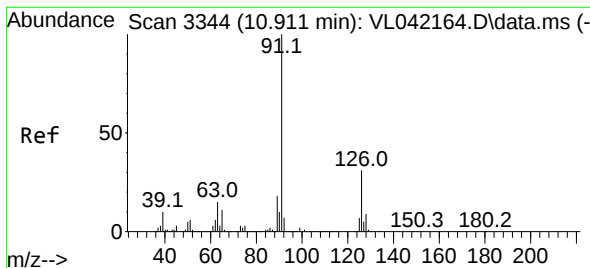


#70
n-Butylbenzene
Concen: 0.270 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



Tgt Ion: 91 Resp: 22796
Ion Ratio Lower Upper
91 100
92 49.4 44.5 66.7
134 21.0 19.1 28.7





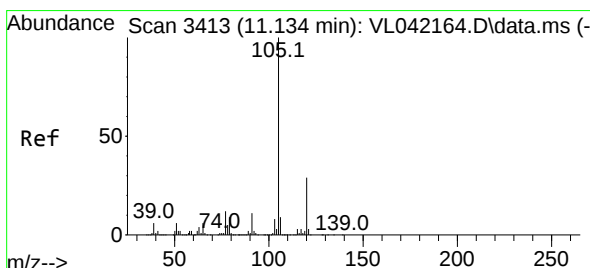
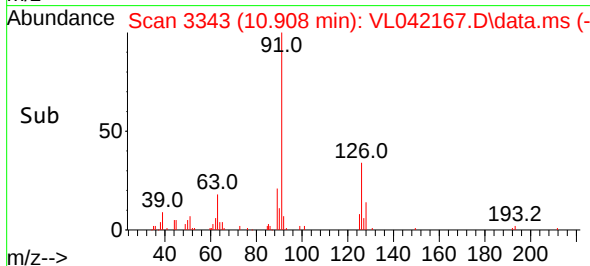
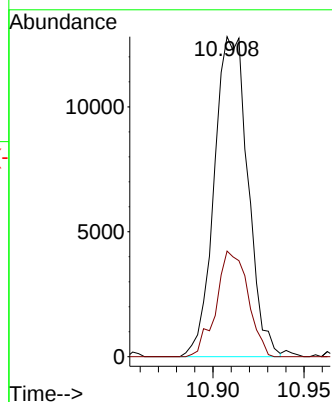
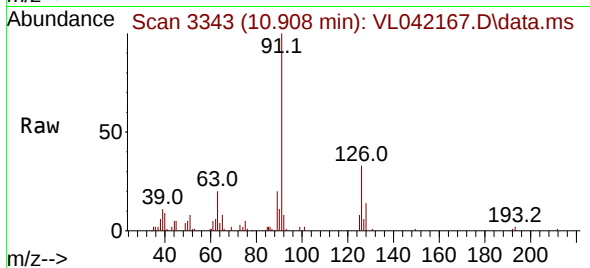
#71
2-Chlorotoluene
Concen: 0.275 ppbv
RT: 10.908 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 1645
Ion Ratio Lower Upper
91 100
126 31.2 12.3 49.1

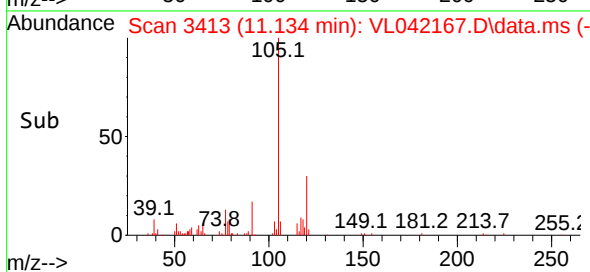
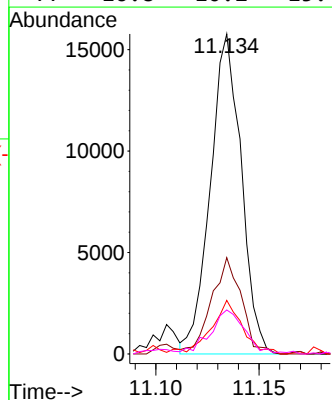
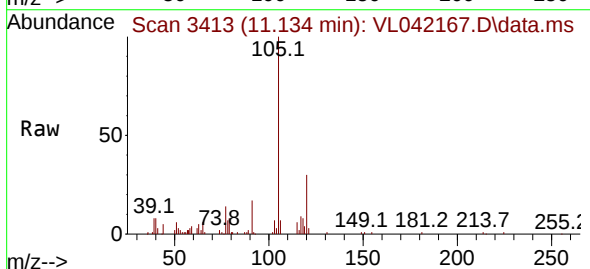
Manual Integrations
APPROVED

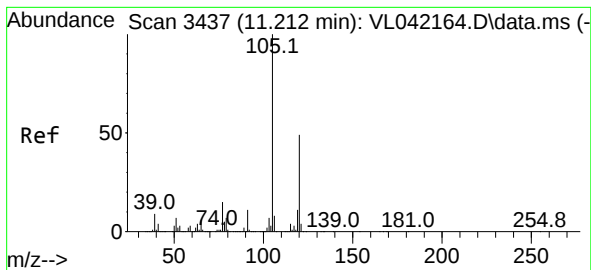
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#72
4-Ethyltoluene
Concen: 0.257 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:105 Resp: 16413
Ion Ratio Lower Upper
105 100
120 31.0 24.2 36.2
91 18.8 9.8 14.8#
77 16.8 10.2 15.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.272 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 15079

Ion Ratio Lower Upper

105 100

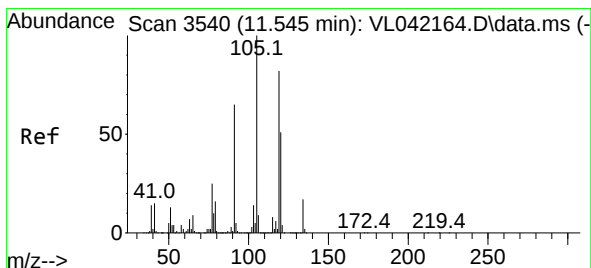
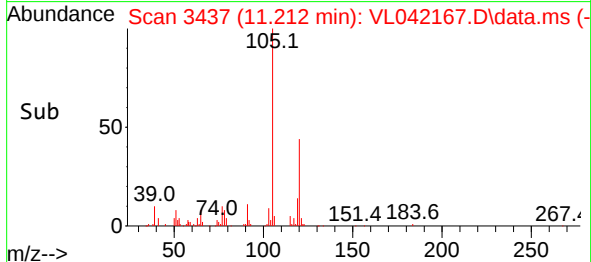
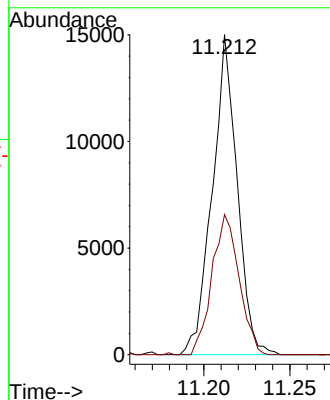
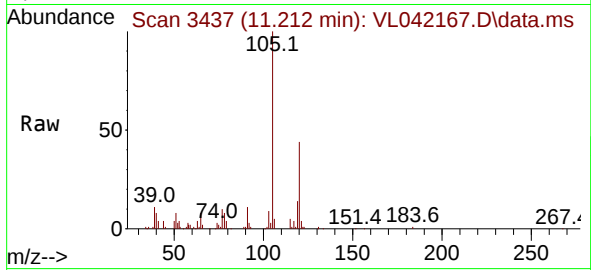
120 43.8 39.2 58.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.307 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Tgt Ion:105 Resp: 19401

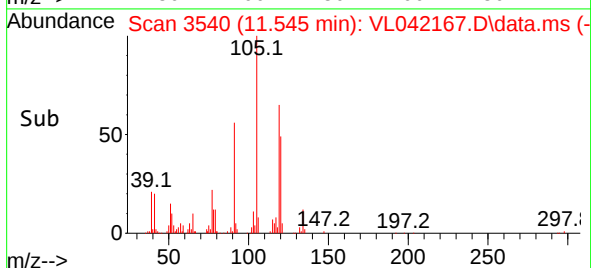
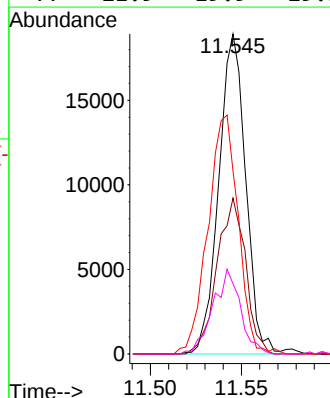
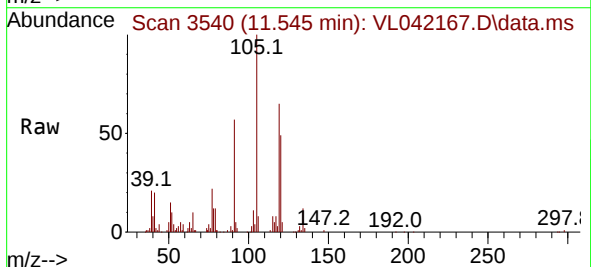
Ion Ratio Lower Upper

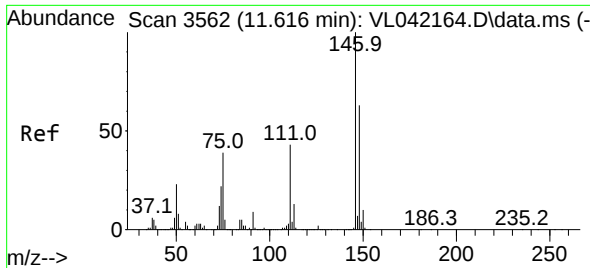
105 100

120 48.7 40.9 61.3

91 56.5 52.6 79.0

77 21.9 19.9 29.9





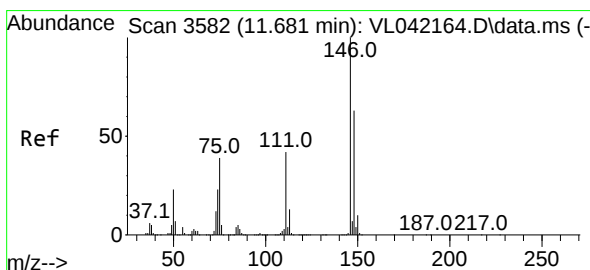
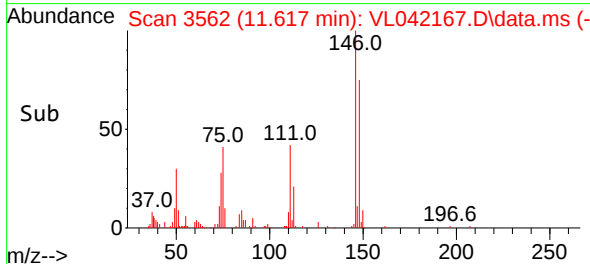
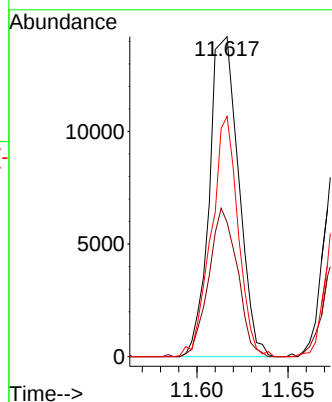
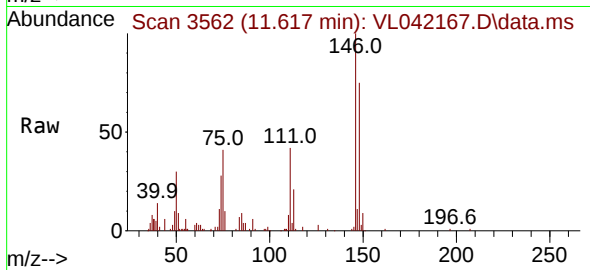
#75
1,3-Dichlorobenzene
Concen: 0.433 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:146 Resp: 1591
Ion Ratio Lower Upper
146 100
111 45.2 21.9 65.8
148 68.8 31.7 95.1

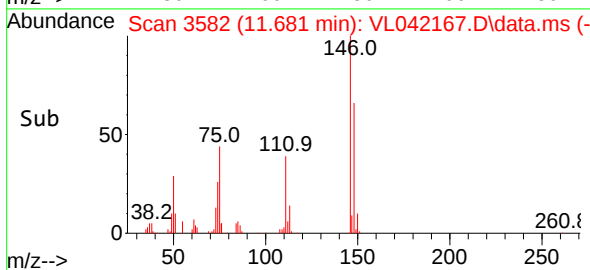
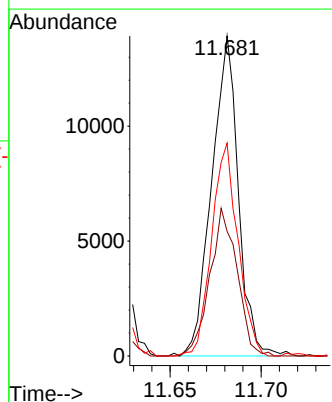
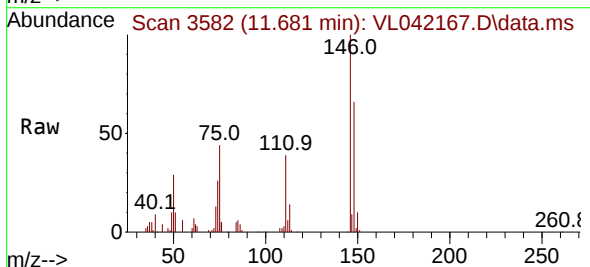
Manual Integrations
APPROVED

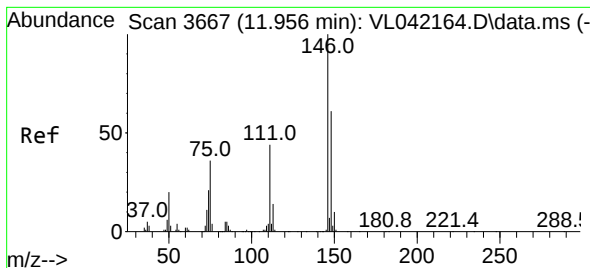
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#76
1,4-Dichlorobenzene
Concen: 0.387 ppbv
RT: 11.681 min Scan# 3582
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

Tgt Ion:146 Resp: 14128
Ion Ratio Lower Upper
146 100
111 47.2 21.3 64.0
148 66.6 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 0.482 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

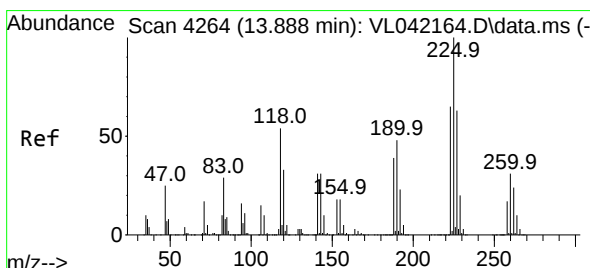
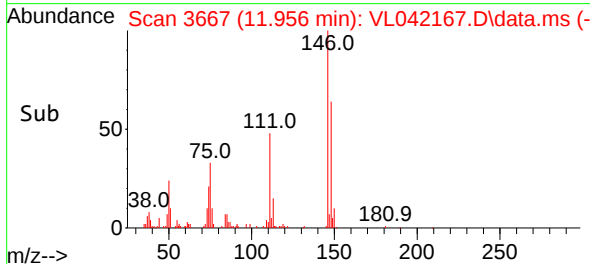
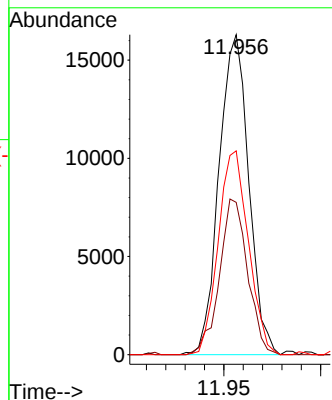
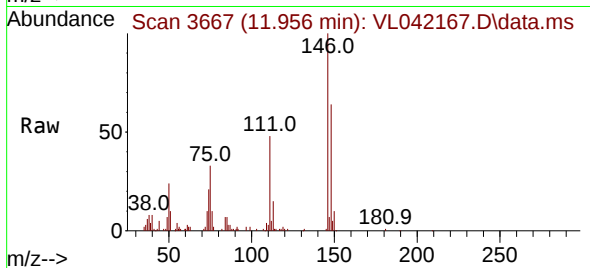
Tgt Ion:	146	Resp:	17364
Ion Ratio	Lower	Upper	
146	100		
111	46.2	23.1	69.3
148	65.1	31.6	94.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#78

Hexachloro-1,3-Butadiene

Concen: 0.582 ppbv

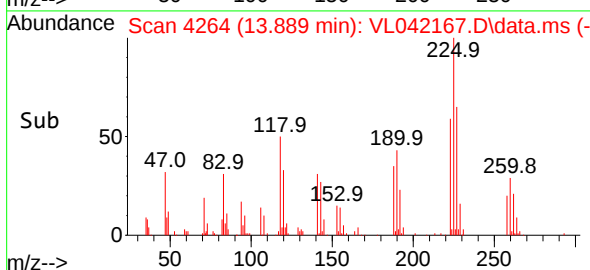
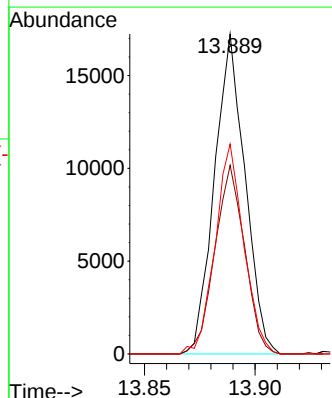
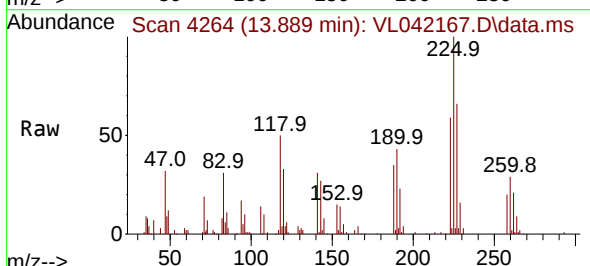
RT: 13.889 min Scan# 4264

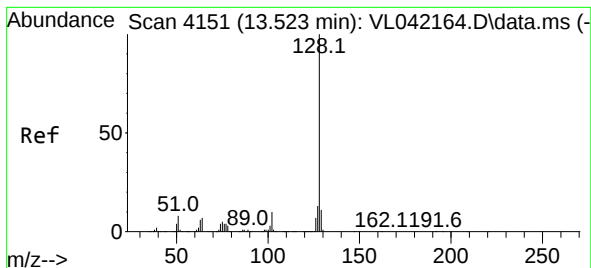
Delta R.T. 0.000 min

Lab File: VL042167.D

Acq: 25 Mar 2025 10:31

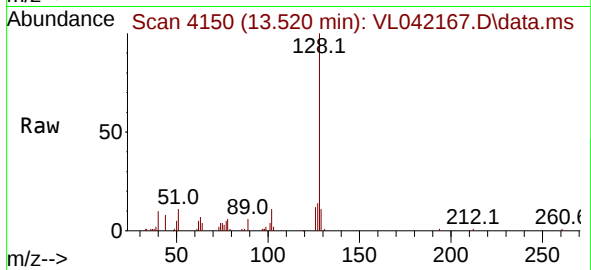
Tgt Ion:	225	Resp:	16551
Ion Ratio	Lower	Upper	
225	100		
223	57.5	51.1	76.7
227	61.6	50.6	76.0





#79
Naphthalene
Concen: 0.309 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. -0.003 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31

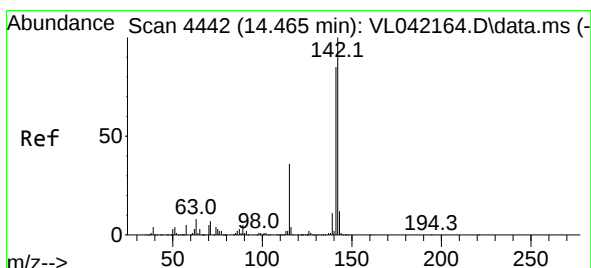
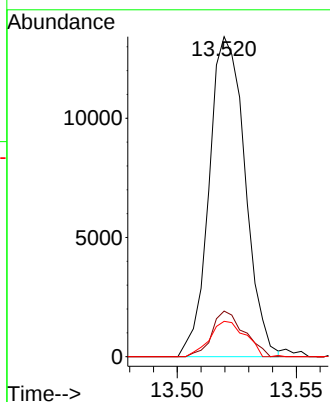
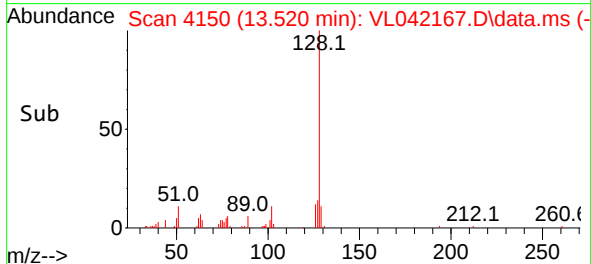
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



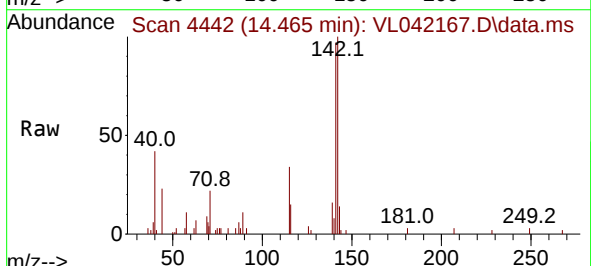
Tgt Ion:128 Resp: 1408
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 11.0 8.7 13.1

Manual Integrations
APPROVED

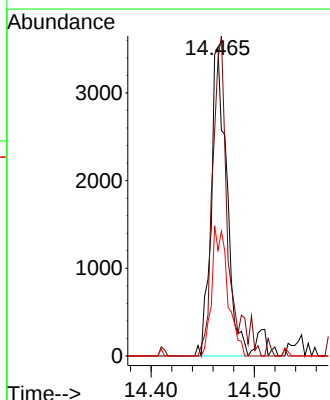
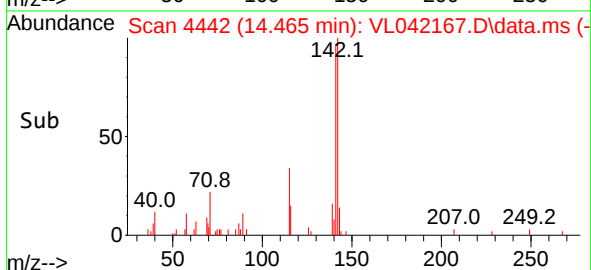
Reviewed By :Semsettin Yesilyurt 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

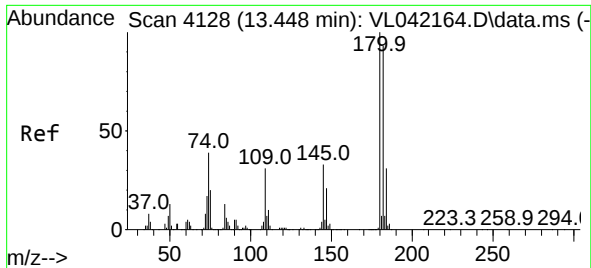


#80
Naphthalene,2-methyl-
Concen: 0.287 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.000 min
Lab File: VL042167.D
Acq: 25 Mar 2025 10:31



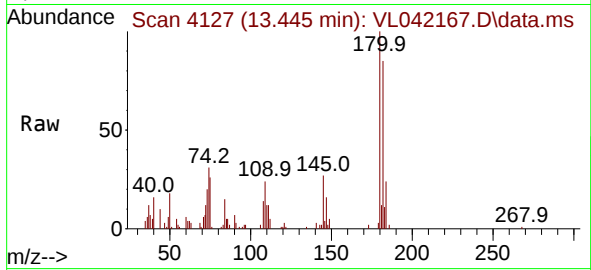
Tgt Ion:142 Resp: 3903
Ion Ratio Lower Upper
142 100
141 96.6 66.7 100.1
115 40.5 29.0 43.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.333 ppbv
 RT: 13.445 min Scan# 4127
 Delta R.T. -0.003 min
 Lab File: VL042167.D
 Acq: 25 Mar 2025 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	8369
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.3	114.5
184	32.4	24.4	36.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

