

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043035.D
 Acq On : 02 Oct 2025 12:02
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 02:10:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 02:03:14 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	177300	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	517146	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	425928	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 308574 10.057 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	15897	0.532	ppbv	97
3) Chlorodifluoromethane	1.473	51	14910	0.516	ppbv	96
4) Chloromethane	1.531	50	5479	0.502	ppbv	98
5) Vinyl Chloride	1.576	62	5074	0.490	ppbv	95
6) Bromomethane	1.664	94	2578	0.554	ppbv	95
7) Chloroethane	1.699	64	2234	0.517	ppbv	89
8) Dichlorotetrafluoroethane	1.551	85	12891	0.526	ppbv	99
9) Propene	1.483	41	6301	0.541	ppbv	97
10) Heptane	4.959	43	12261	0.427	ppbv	98
11) Trichlorofluoromethane	1.871	101	15460	0.503	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.133	101	12668	0.524	ppbv	99
13) Ethanol	1.716	45	835m	0.707	ppbv	
14) Bromoethene	1.777	108	4504	0.519	ppbv #	94
15) Acetone	1.832	43	14038	0.565	ppbv	96
16) 1,3-Butadiene	1.606	39	5688	0.556	ppbv	98
17) tert-Butyl alcohol	2.036	59	13561	0.516	ppbv #	92
18) 1,1-Dichloroethene	2.030	96	5445	0.514	ppbv	88
19) Isopropyl Alcohol	1.881	45	6542	0.550	ppbv #	31
20) Methylene Chloride	2.055	84	7176	0.662	ppbv	96
21) Allyl Chloride	2.091	41	8204	0.516	ppbv	98
22) trans-1,2-Dichloroethene	2.334	96	6132	0.509	ppbv	96
23) Vinyl Acetate	2.454	43	3538	0.671	ppbv #	91
24) 1,1-Dichloroethane	2.402	63	12094	0.530	ppbv	97
25) Ethyl Acetate	2.826	43	29195	0.469	ppbv	98
26) Hexane	2.816	57	11374	0.475	ppbv	94
27) Carbon Disulfide	2.143	76	14301	0.506	ppbv #	58
28) Methyl tert-Butyl Ether	2.431	73	8280	0.552	ppbv	100
29) Chloroform	2.839	83	20555	0.503	ppbv	98
30) Cyclohexane	3.845	84	8774	0.446	ppbv	94
31) cis-1,2-Dichloroethene	2.709	61	11947	0.485	ppbv	96
32) 1,1,1-Trichloroethane	3.357	97	18993	0.478	ppbv	97
34) 2-Butanone	2.551	43	17703	0.505	ppbv	100
35) Carbon Tetrachloride	3.748	117	21027	0.494	ppbv	98
36) Benzene	3.641	78	24552	0.497	ppbv	98
37) 1,2-Dichloroethane	3.208	62	15541	0.531	ppbv	99
38) Trichloroethene	4.535	130	10581	0.514	ppbv	90
39) 1,2-Dichloropropane	4.298	63	9393	0.513	ppbv	87
40) 1,4-Dioxane	4.580	88	3633m	0.463	ppbv	
41) Tetrahydrofuran	3.046	42	8215	0.453	ppbv	97
42) Bromodichloromethane	4.470	83	20289	0.491	ppbv	91
43) Methyl Methacrylate	4.858	69	7069m	0.431	ppbv	
44) 2,2,4-Trimethylpentane	4.622	57	35845	0.452	ppbv	93
45) t-1,3-Dichloropropene	6.393	75	6527m	0.439	ppbv	

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Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 03 02:10:04 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

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

QLast Update : Fri Oct 03 02:03:14 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	9849m	0.467	ppbv	
47) 1,1,2-Trichloroethane	6.554	97	10443m	0.513	ppbv	
48) Dibromochloromethane	7.370	129	16456	0.495	ppbv	97
49) Bromoform	9.467	173	12720	0.458	ppbv	98
50) 4-Methyl-2-Pentanone	5.739	43	17913m	0.419	ppbv	
51) 2-Hexanone	7.431	43	10960m	0.361	ppbv	
52) Tetrachloroethene	8.211	164	9020	0.490	ppbv	95
53) Toluene	6.914	91	20668	0.414	ppbv	98
54) 1,2-Dibromoethane	7.632	107	11508	0.477	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.907	131	13550	0.522	ppbv #	1
57) Chlorobenzene	8.904	112	23267	0.517	ppbv #	93
58) Ethyl Benzene	9.344	91	26120	0.396	ppbv	95
59) m/p-Xylene	9.535	91	43040m	0.773	ppbv	
60) o-Xylene	9.953	91	21624	0.390	ppbv	97
61) Styrene	9.859	104	8323	0.358	ppbv	99
62) Isopropylbenzene	10.526	105	36604	0.430	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	19863	0.497	ppbv	99
64) n-propylbenzene	10.976	120	8445	0.388	ppbv	93
65) tert-Butylbenzene	11.523	119	28268	0.373	ppbv	96
66) Benzyl Chloride	11.607	91	1282	0.437	ppbv #	92
67) sec-Butylbenzene	11.759	105	42587	0.403	ppbv	98
69) p-Isopropyltoluene	11.917	119	31837	0.370	ppbv	99
70) n-Butylbenzene	12.273	91	27814	0.336	ppbv	96
71) 2-Chlorotoluene	10.891	91	24562	0.399	ppbv	99
72) 4-Ethyltoluene	11.115	105	24162	0.366	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.192	105	21772	0.381	ppbv	98
74) 1,2,4-Trimethylbenzene	11.526	105	23834	0.370	ppbv	94
75) 1,3-Dichlorobenzene	11.594	146	19501	0.465	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	18048	0.452	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	20622	0.494	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	14594	0.502	ppbv	99
79) Naphthalene	13.507	128	10812	0.436	ppbv #	93
80) Naphthalene,2-methyl-	14.452	142	3011	0.772	ppbv	99
81) 1,2,4-Trichlorobenzene	13.432	180	6620	0.539	ppbv	97

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 10/10/2025

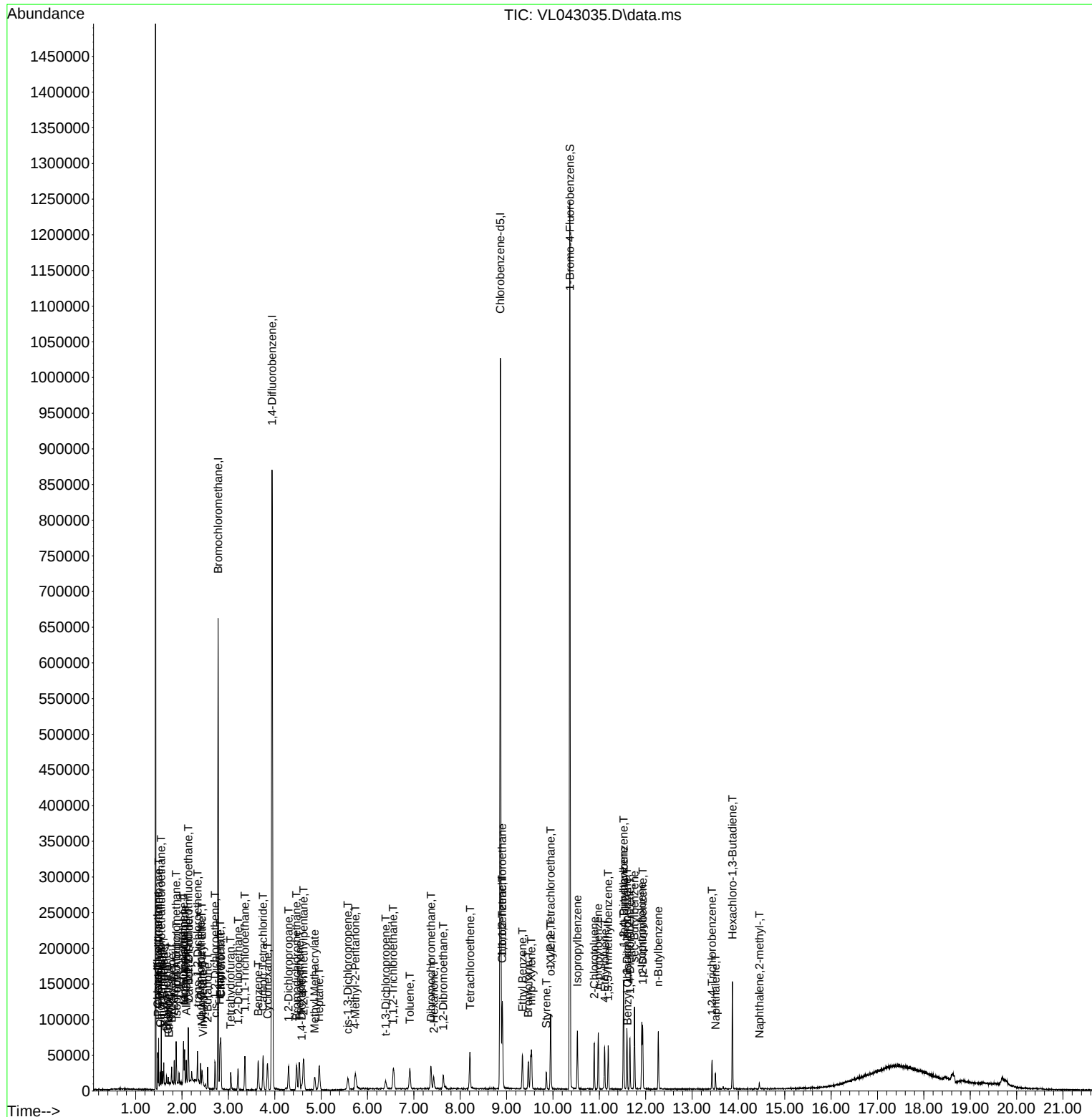
Quant Time: Oct 03 02:10:04 2025

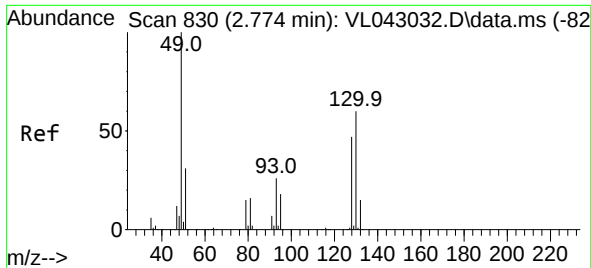
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Fri Oct 03 02:03:14 2025

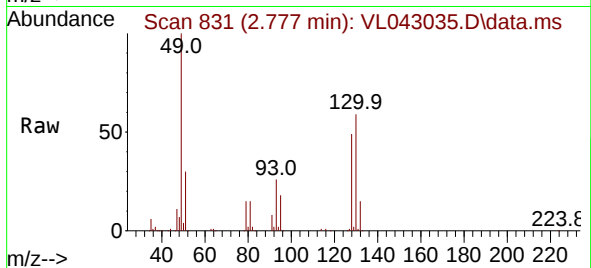
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 831
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

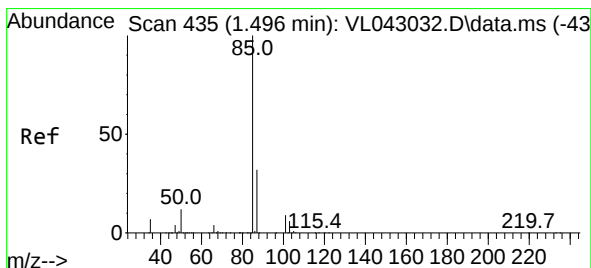
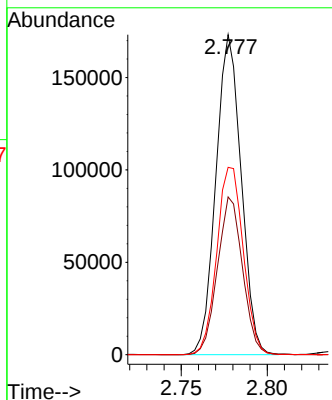
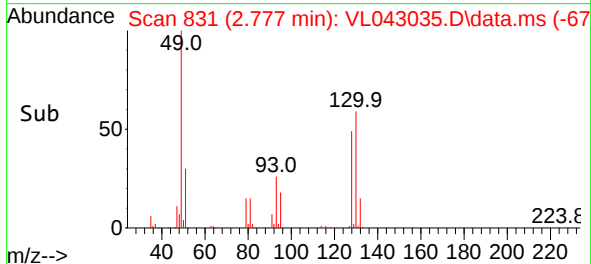
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 177300
Ion Ratio Lower Upper
49 100
128 48.8 24.1 72.2
130 61.4 31.4 94.3

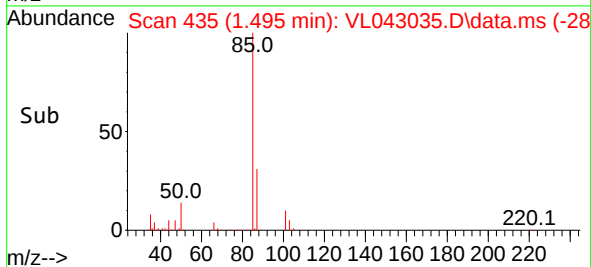
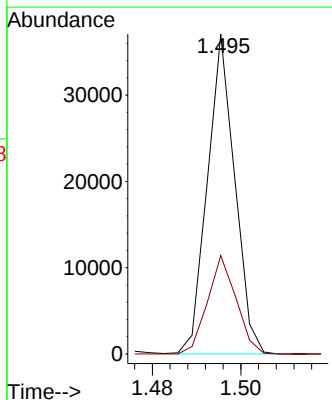
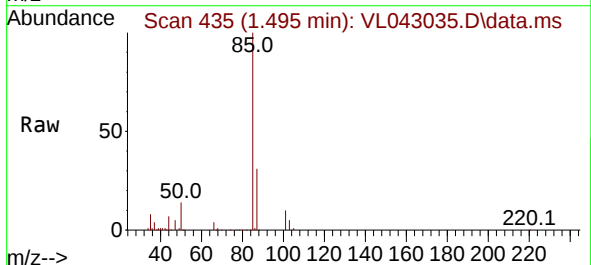
Manual Integrations
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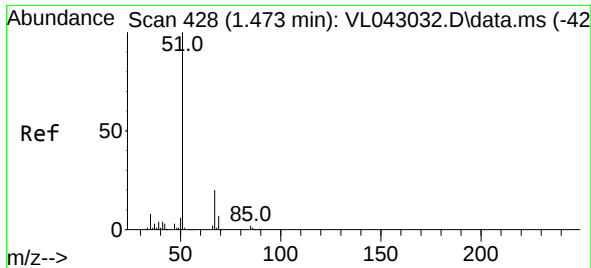
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#2
Dichlorodifluoromethane
Concen: 0.532 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 85 Resp: 15897
Ion Ratio Lower Upper
85 100
87 30.8 25.8 38.6





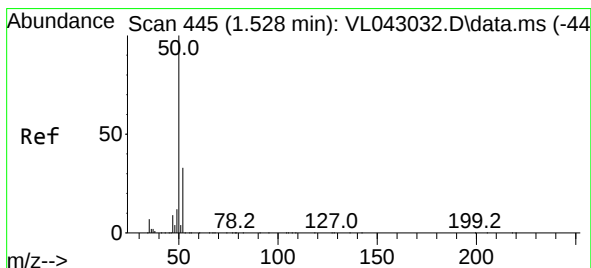
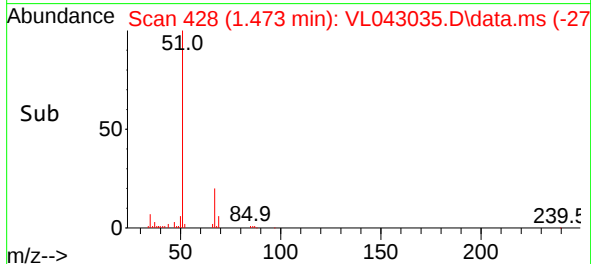
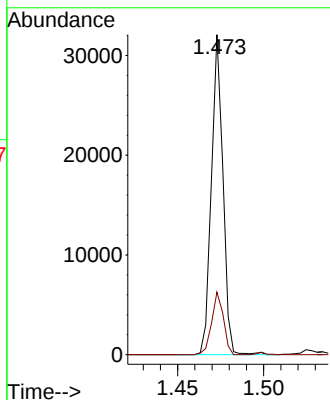
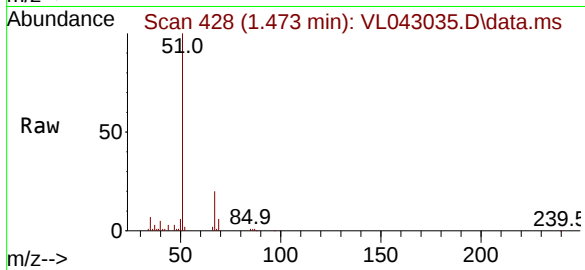
#3
Chlorodifluoromethane
Concen: 0.516 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 14910
Ion Ratio Lower Upper
51 100
67 20.5 15.1 22.7

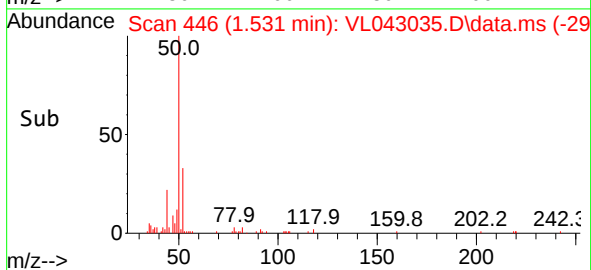
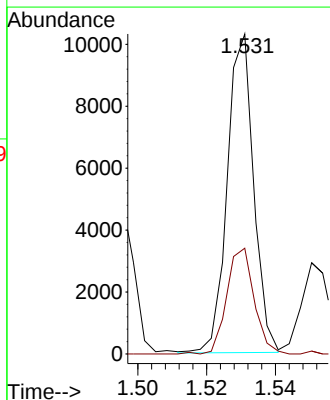
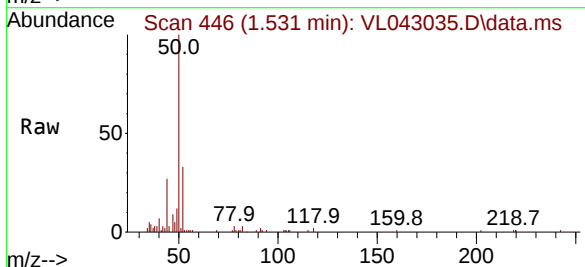
Manual Integrations
APPROVED

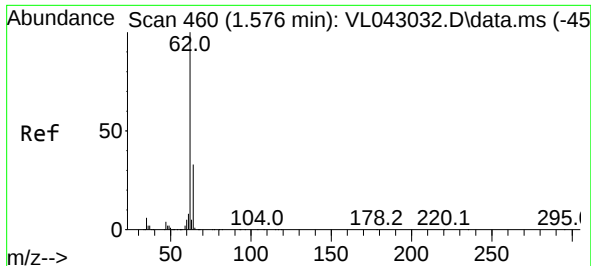
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#4
Chloromethane
Concen: 0.502 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

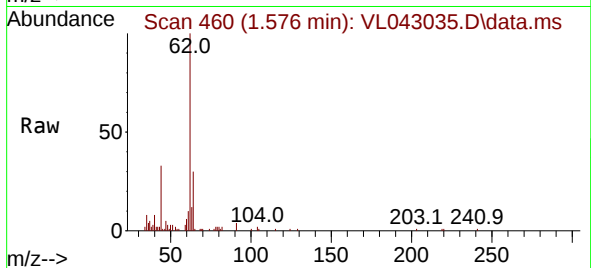
Tgt Ion: 50 Resp: 5479
Ion Ratio Lower Upper
50 100
52 34.0 26.2 39.2





#5
 Vinyl Chloride
 Concen: 0.490 ppbv
 RT: 1.576 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

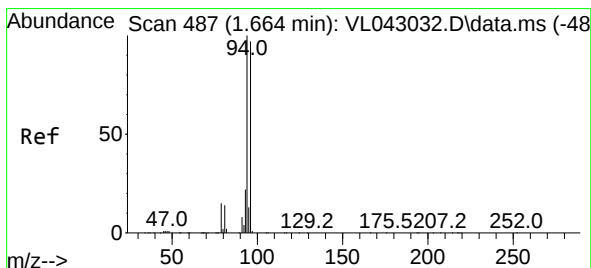
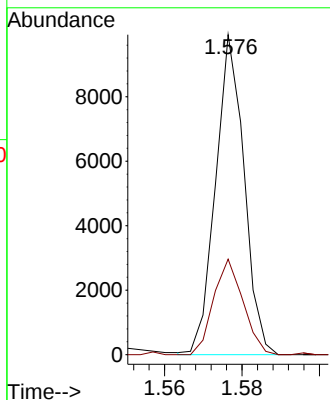
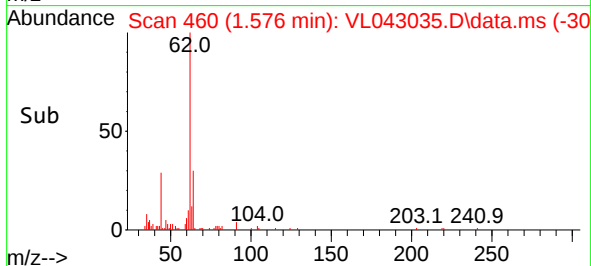
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



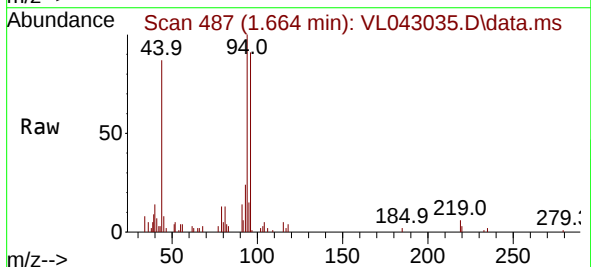
Tgt Ion: 62 Resp: 5074
 Ion Ratio Lower Upper
 62 100
 64 29.9 26.2 39.2

Manual Integrations
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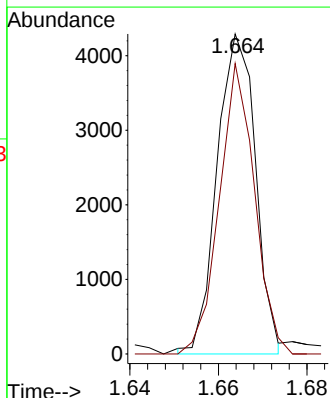
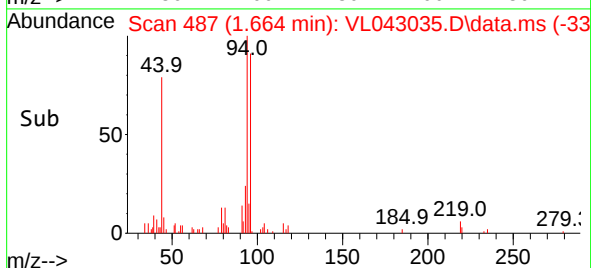
Reviewed By :Semsettin Yesilyurt 10/03/2025
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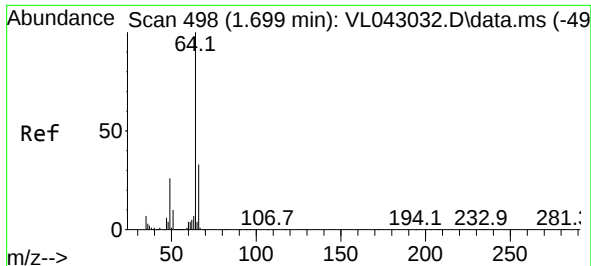


#6
 Bromomethane
 Concen: 0.554 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02



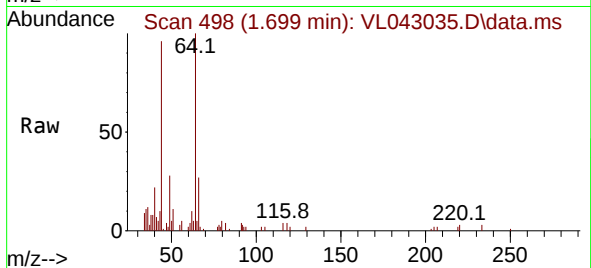
Tgt Ion: 94 Resp: 2578
 Ion Ratio Lower Upper
 94 100
 96 92.3 77.6 116.4





#7
Chloroethane
Concen: 0.517 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

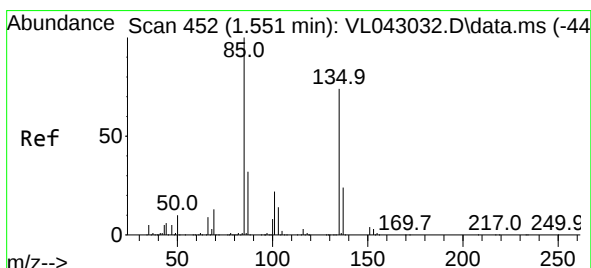
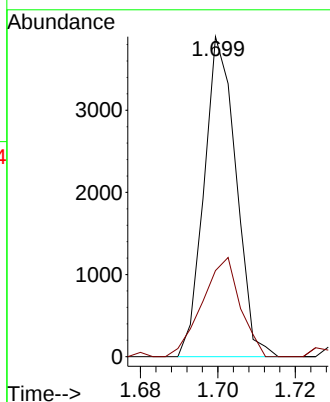
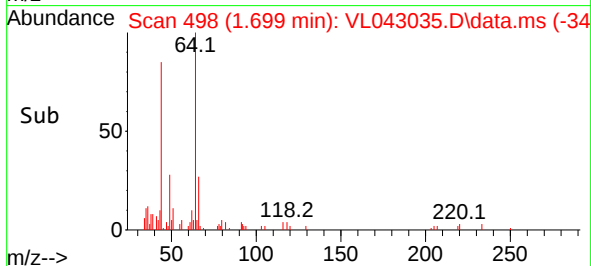
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



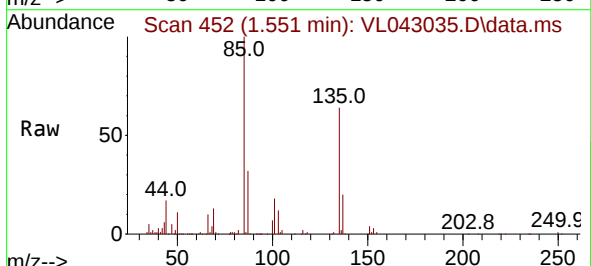
Tgt Ion: 64 Resp: 2234
Ion Ratio Lower Upper
64 100
66 26.9 26.6 39.8

Manual Integrations
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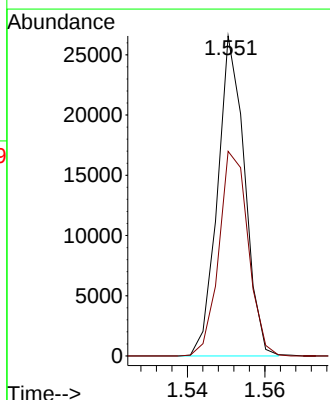
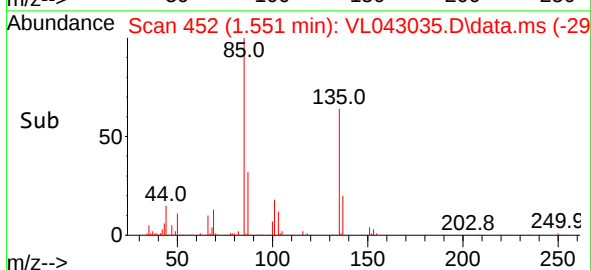
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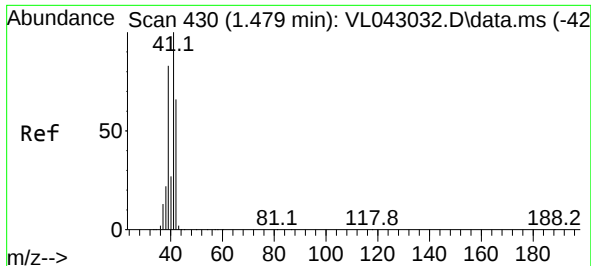


#8
Dichlorotetrafluoroethane
Concen: 0.526 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



Tgt Ion: 85 Resp: 12891
Ion Ratio Lower Upper
85 100
135 69.3 56.3 84.5





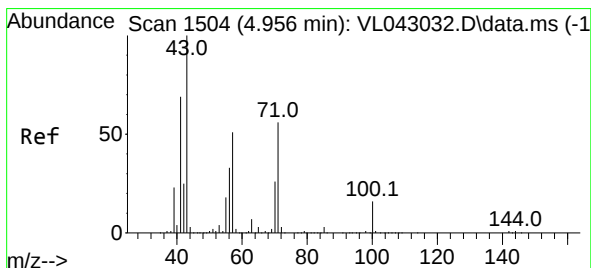
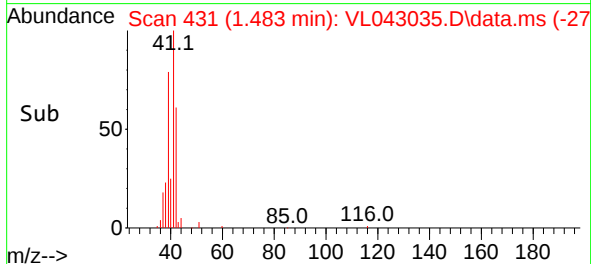
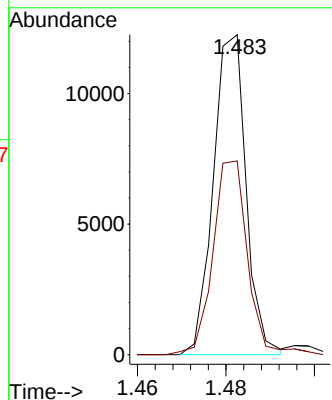
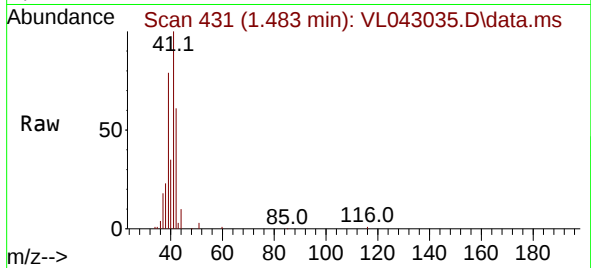
#9
 Propene
 Concen: 0.541 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 630
 Ion Ratio Lower Upper
 41 100
 42 64.3 53.3 79.9

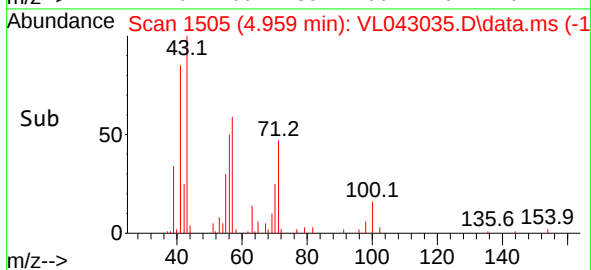
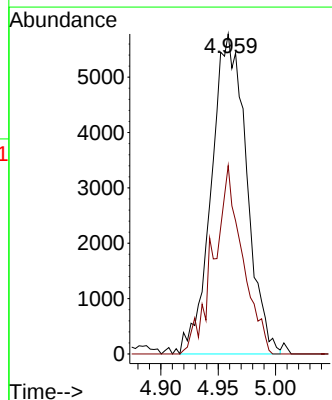
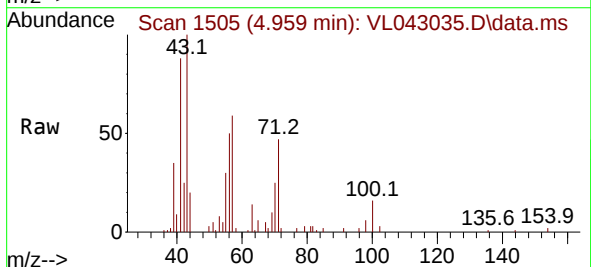
Manual Integrations
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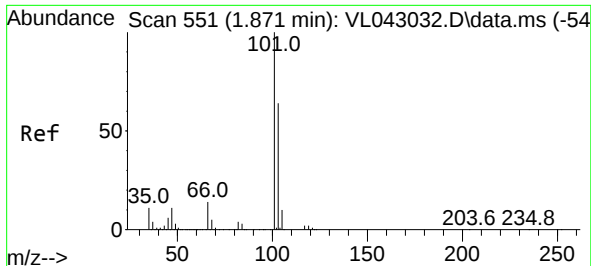
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#10
 Heptane
 Concen: 0.427 ppbv
 RT: 4.959 min Scan# 1505
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

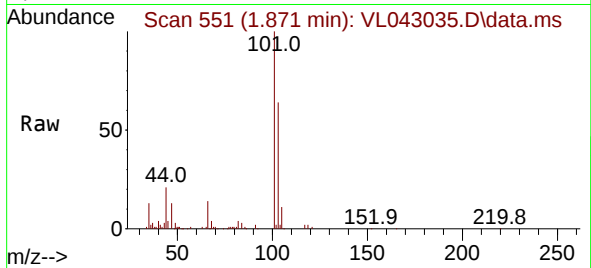
Tgt Ion: 43 Resp: 12261
 Ion Ratio Lower Upper
 43 100
 57 48.9 40.3 60.5





#11
 Trichlorofluoromethane
 Concen: 0.503 ppbv
 RT: 1.871 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

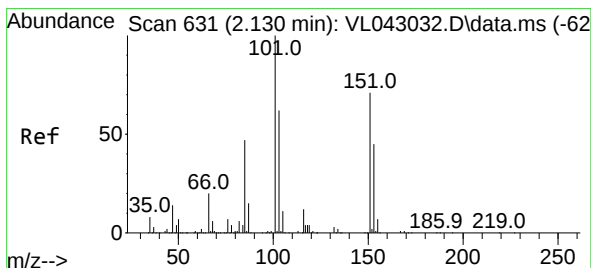
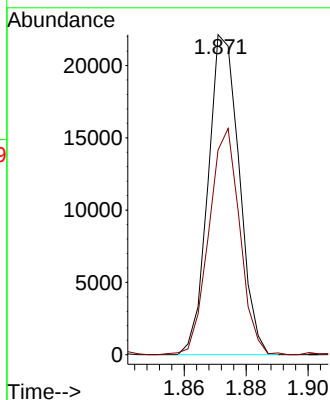
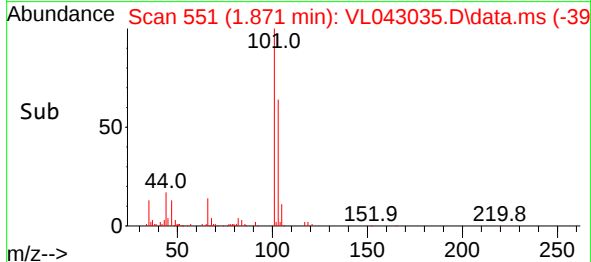
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



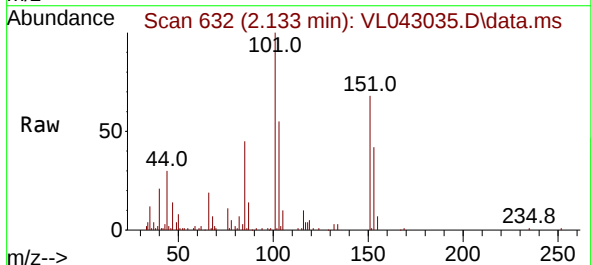
Tgt Ion:101 Resp: 15460
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.1 76.7

Manual Integrations
 APPROVED

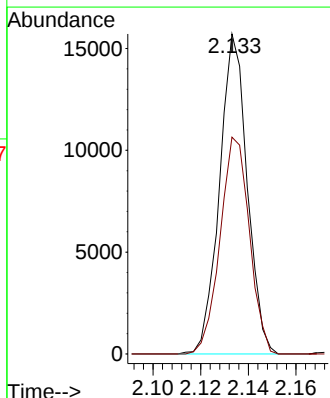
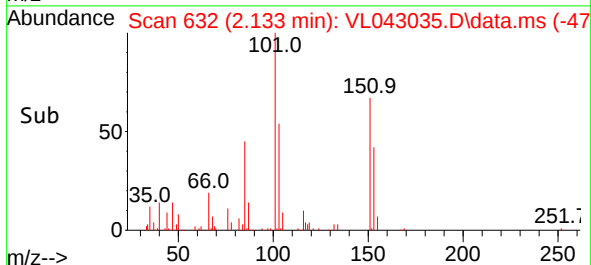
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

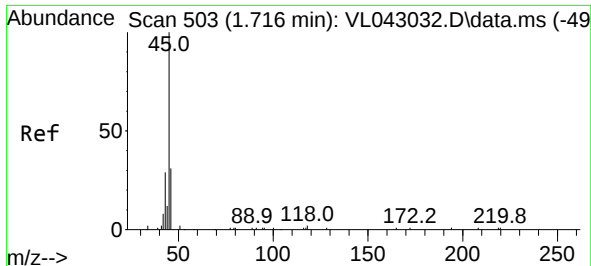


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.524 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02



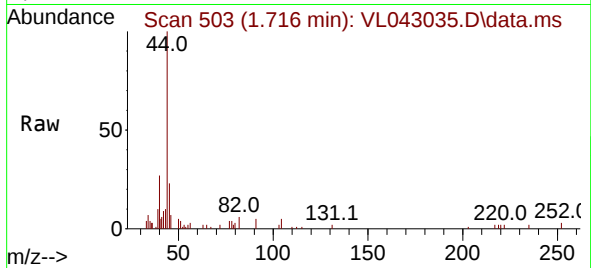
Tgt Ion:101 Resp: 12668
 Ion Ratio Lower Upper
 101 100
 151 71.8 58.1 87.1





#13
Ethanol
Concen: 0.707 ppbv m
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

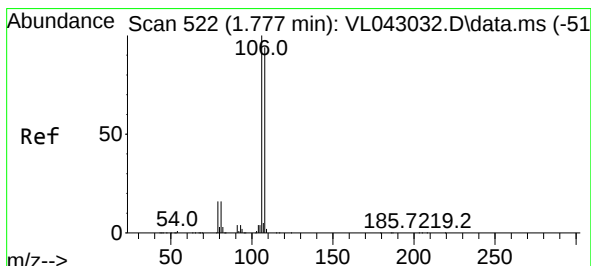
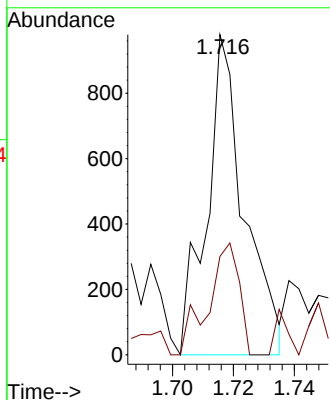
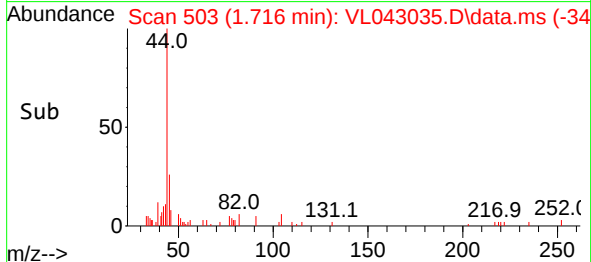
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



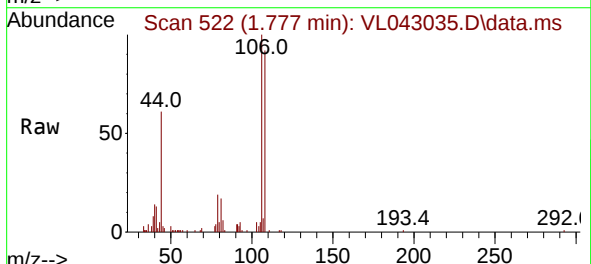
Tgt Ion: 45 Resp: 835
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4

Manual Integrations
APPROVED

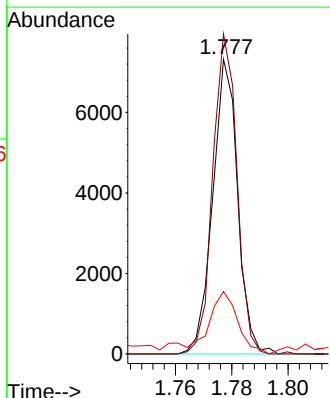
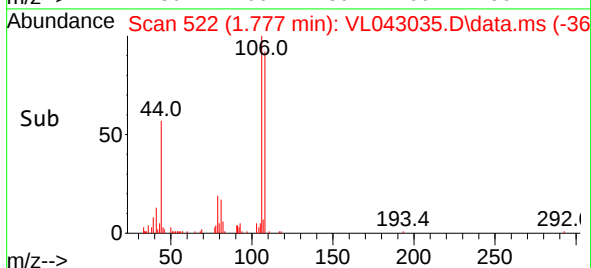
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

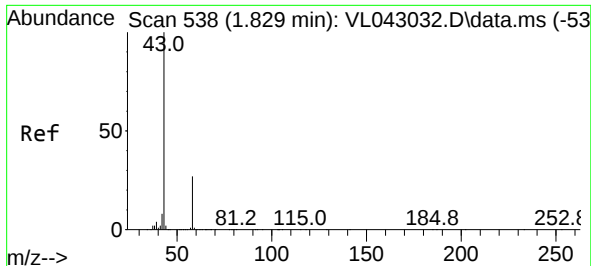


#14
Bromoethene
Concen: 0.519 ppbv
RT: 1.777 min Scan# 522
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



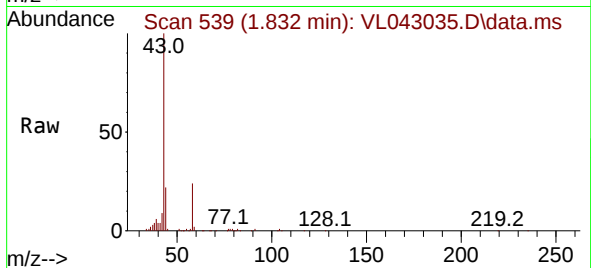
Tgt Ion:108 Resp: 4504
Ion Ratio Lower Upper
108 100
106 105.0 85.2 127.8
79 32.2 14.8 22.2





#15
Acetone
Concen: 0.565 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

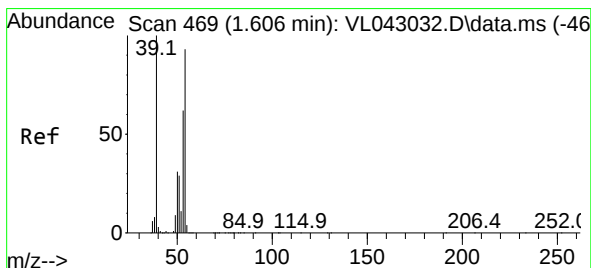
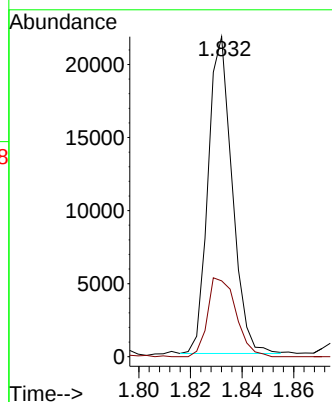
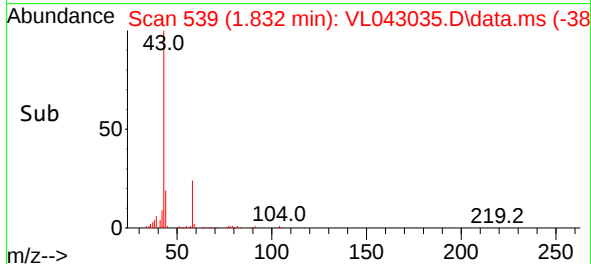
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 14038
Ion Ratio Lower Upper
43 100
58 29.8 22.2 33.4

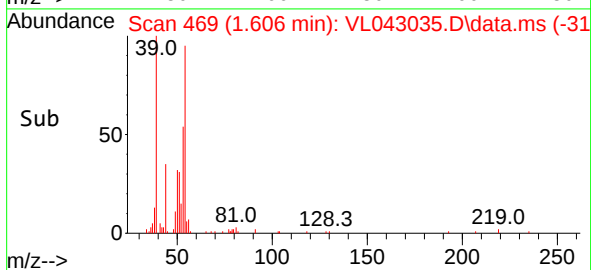
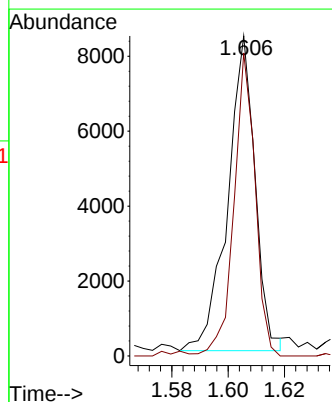
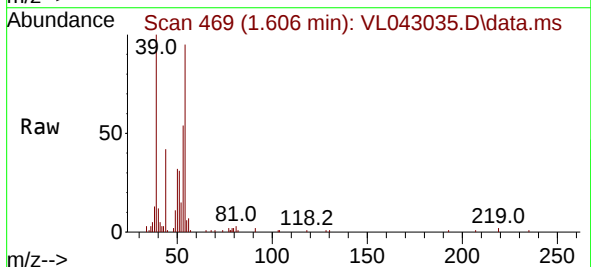
Manual Integrations
APPROVED

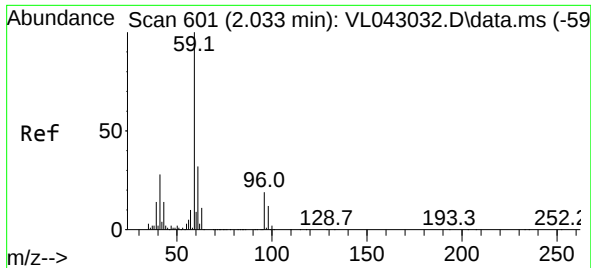
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#16
1,3-Butadiene
Concen: 0.556 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 39 Resp: 5688
Ion Ratio Lower Upper
39 100
54 75.3 61.4 92.2





#17

tert-Butyl alcohol

Concen: 0.516 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 59 Resp: 1356

Ion Ratio Lower Upper

59 100

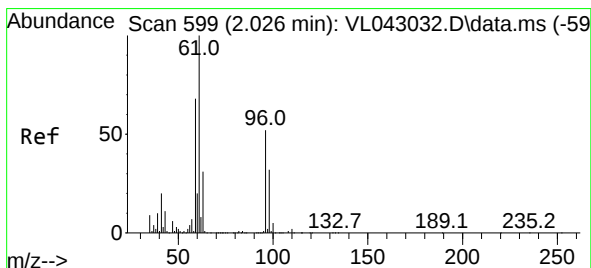
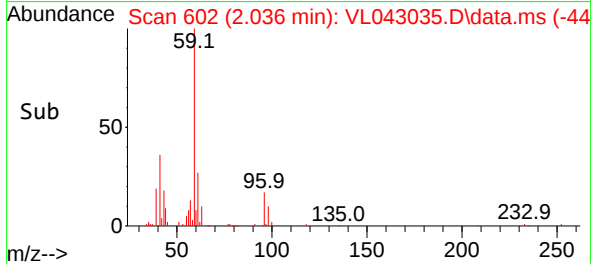
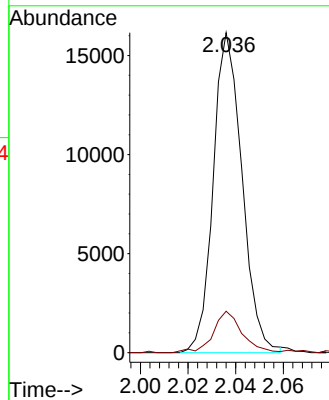
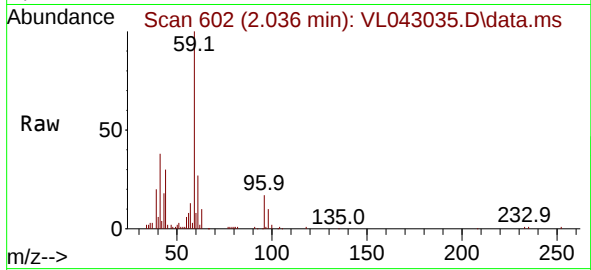
57 13.7 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#18

1,1-Dichloroethene

Concen: 0.514 ppbv

RT: 2.030 min Scan# 600

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

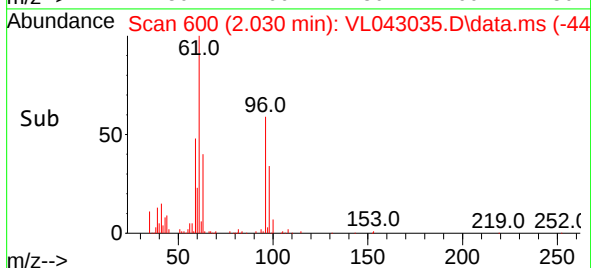
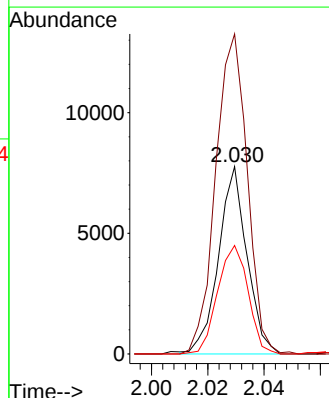
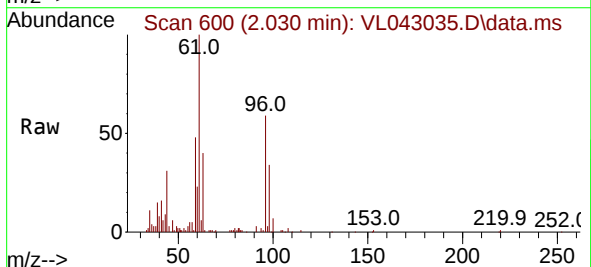
Tgt Ion: 96 Resp: 5445

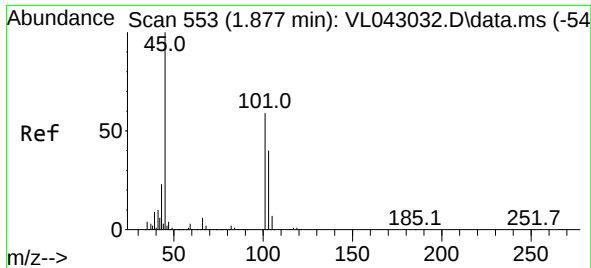
Ion Ratio Lower Upper

96 100

61 170.0 153.0 229.6

98 57.9 48.8 73.2





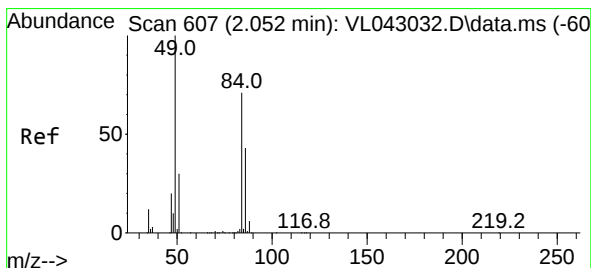
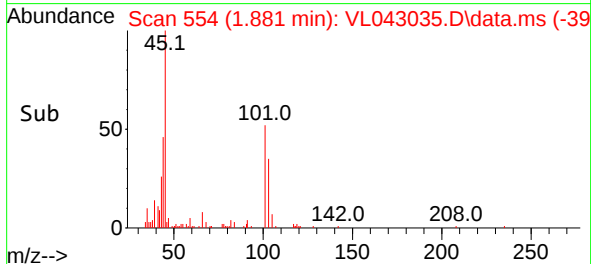
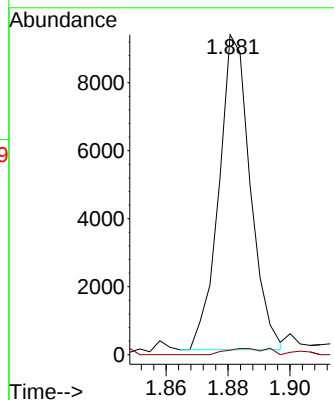
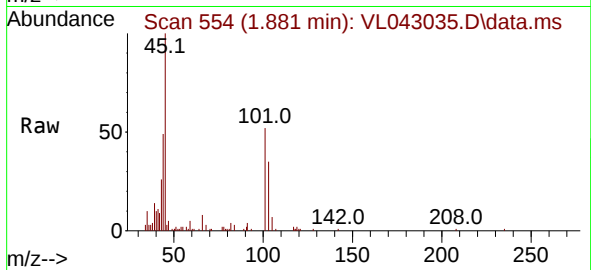
#19
Isopropyl Alcohol
Concen: 0.550 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 6542
Ion Ratio Lower Upper
45 100
58 3.9 42.3 63.5

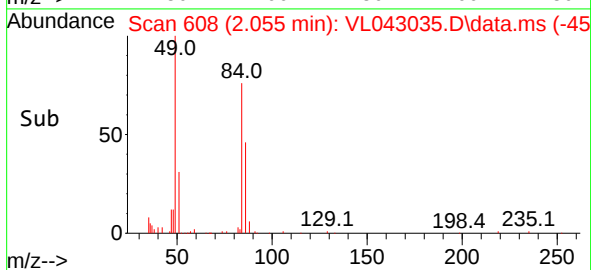
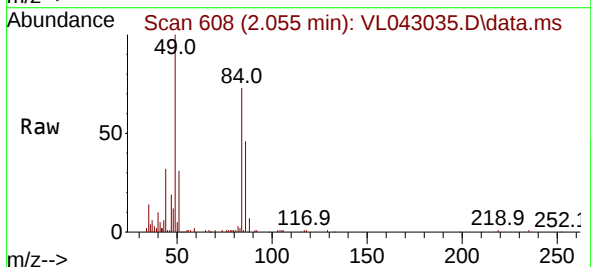
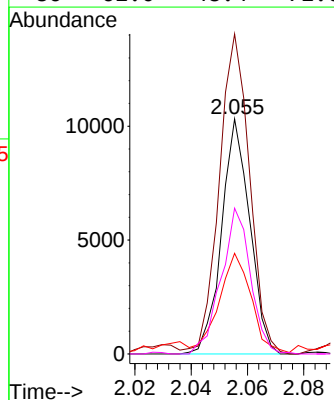
Manual Integrations
APPROVED

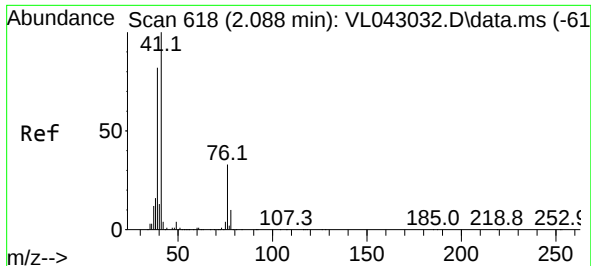
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#20
Methylene Chloride
Concen: 0.662 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

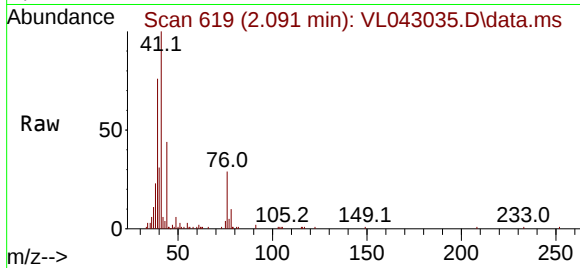
Tgt Ion: 84 Resp: 7176
Ion Ratio Lower Upper
84 100
49 135.1 112.5 168.7
51 41.1 34.2 51.2
86 62.0 48.4 72.6





#21
 Allyl Chloride
 Concen: 0.516 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

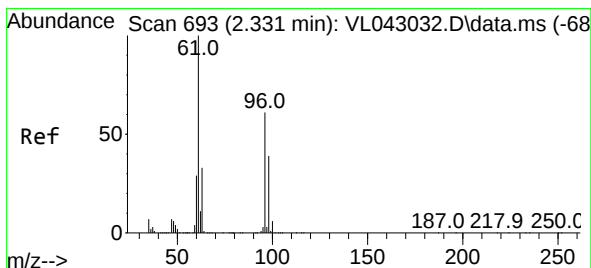
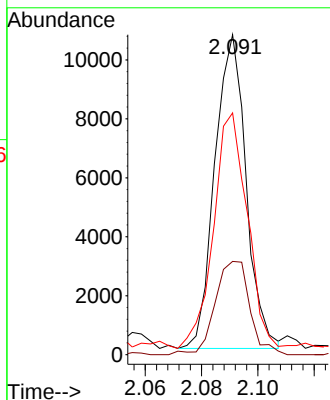
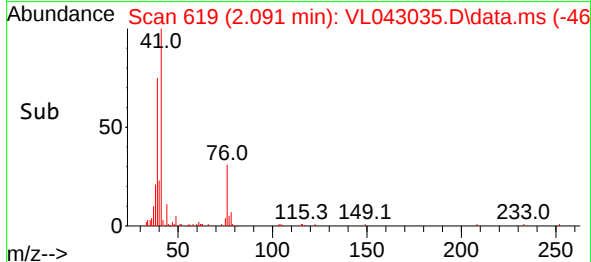
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 41 Resp: 8204
 Ion Ratio Lower Upper
 41 100
 76 33.2 25.9 38.9
 39 81.0 63.0 94.4

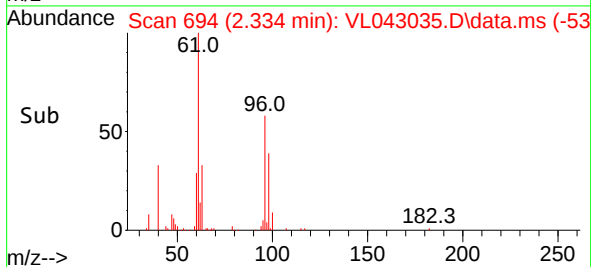
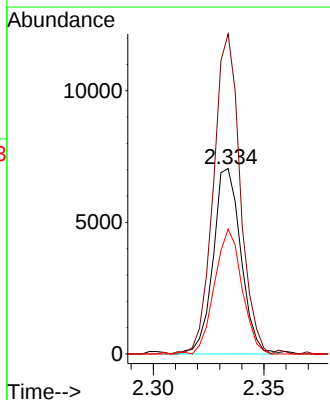
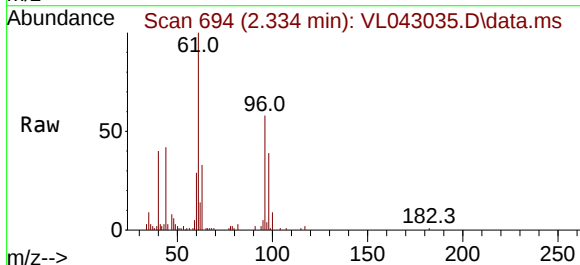
Manual Integrations
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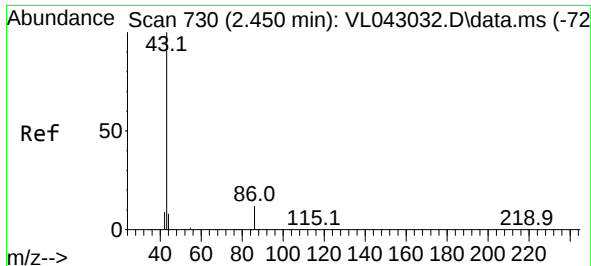
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#22
 trans-1,2-Dichloroethene
 Concen: 0.509 ppbv
 RT: 2.334 min Scan# 694
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

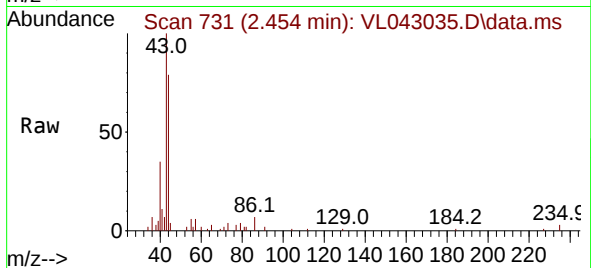
Tgt Ion: 96 Resp: 6132
 Ion Ratio Lower Upper
 96 100
 61 171.4 131.9 197.9
 98 67.3 52.1 78.1





#23
 Vinyl Acetate
 Concen: 0.671 ppbv
 RT: 2.454 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

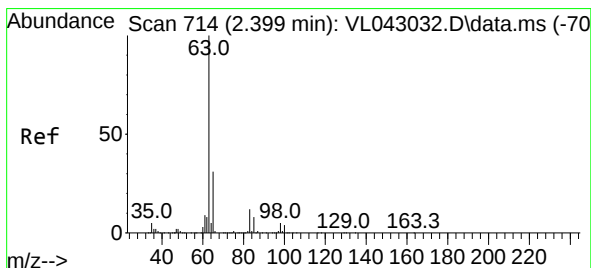
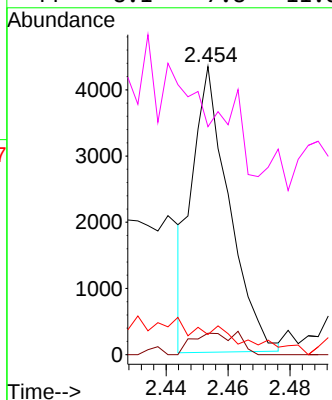
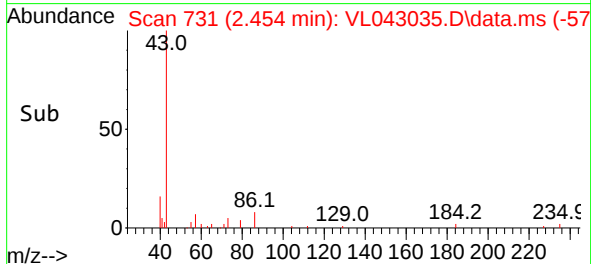
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 43 Resp: 3538
 Ion Ratio Lower Upper
 43 100
 86 7.7 7.5 11.3
 42 4.6 8.4 12.6
 44 8.1 7.8 11.8

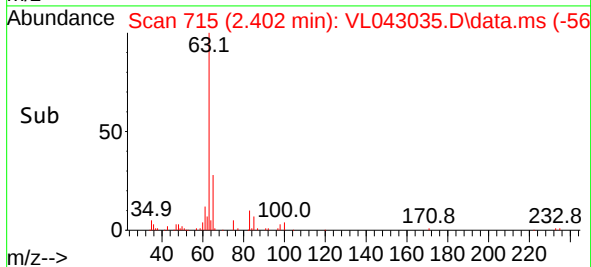
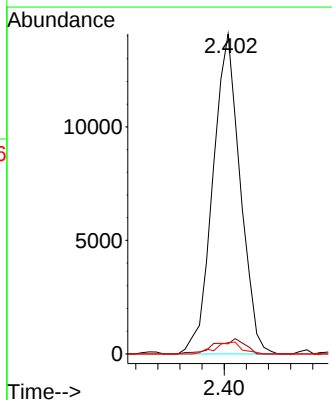
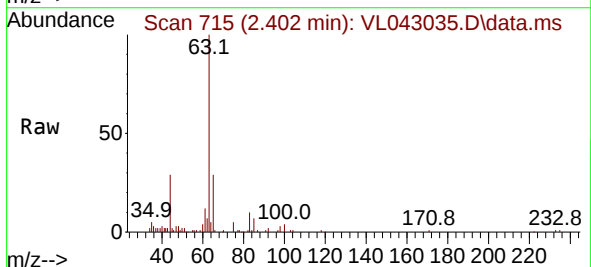
Manual Integrations
 APPROVED

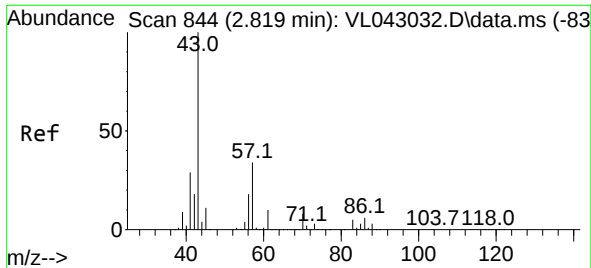
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025



#24
 1,1-Dichloroethane
 Concen: 0.530 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

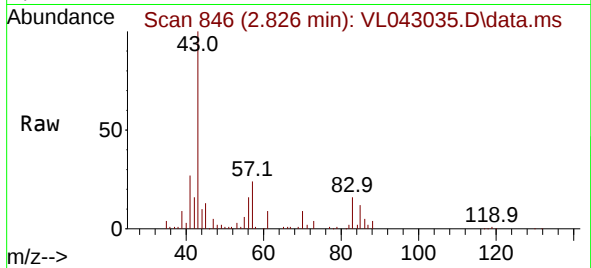
Tgt Ion: 63 Resp: 12094
 Ion Ratio Lower Upper
 63 100
 98 3.1 2.5 7.4
 100 3.5 1.8 5.4





#25
Ethyl Acetate
Concen: 0.469 ppbv
RT: 2.826 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

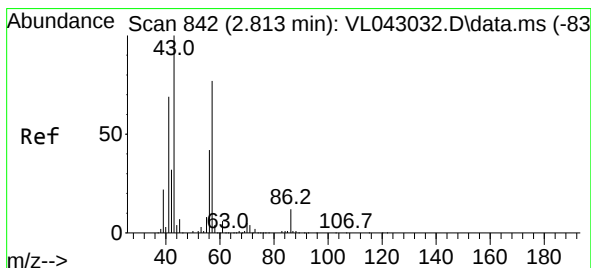
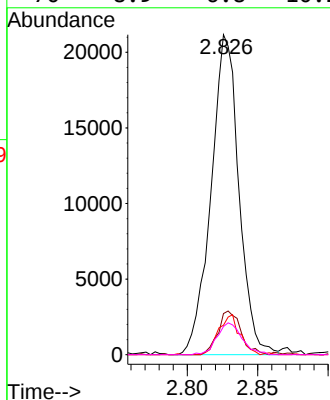
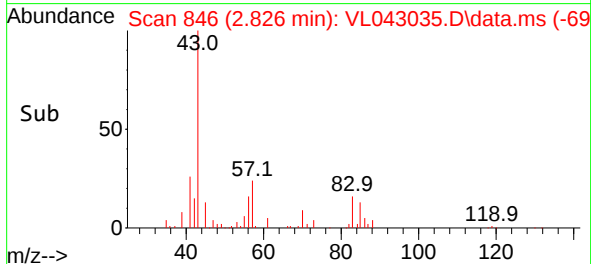
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 43 Resp: 2919
Ion Ratio Lower Upper
43 100
45 11.5 8.3 12.5
61 9.7 7.5 11.3
70 8.9 6.8 10.2

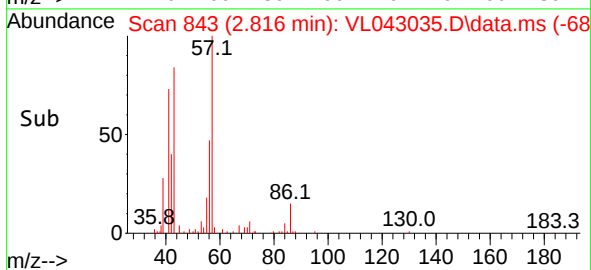
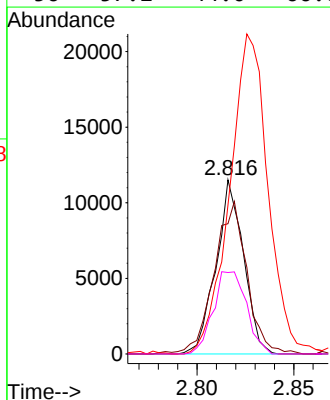
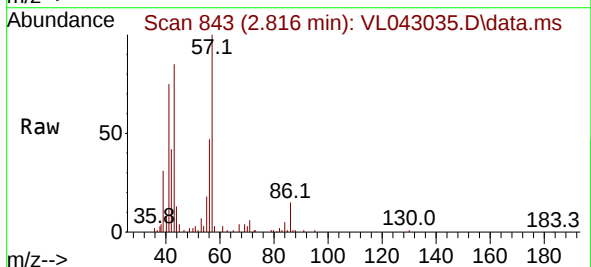
Manual Integrations
APPROVED

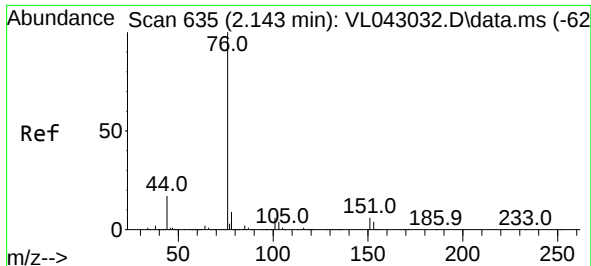
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#26
Hexane
Concen: 0.475 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

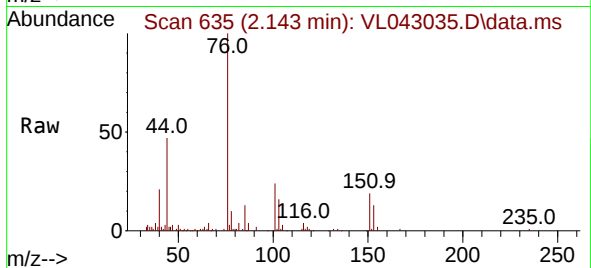
Tgt Ion: 57 Resp: 11374
Ion Ratio Lower Upper
57 100
41 104.8 76.1 114.1
43 261.0 201.4 302.0
56 57.2 44.0 66.0





#27
Carbon Disulfide
Concen: 0.506 ppbv
RT: 2.143 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

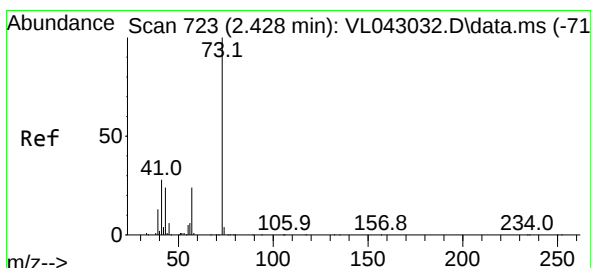
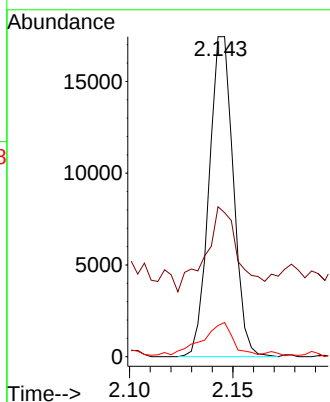
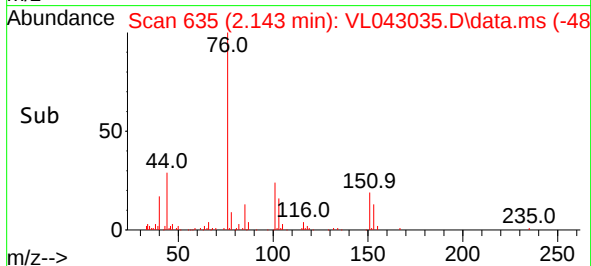
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



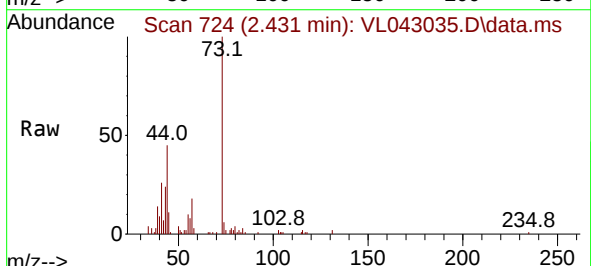
Tgt Ion: 76 Resp: 1430
Ion Ratio Lower Upper
76 100
44 46.8 14.0 21.0
78 13.3 9.4 14.0

Manual Integrations
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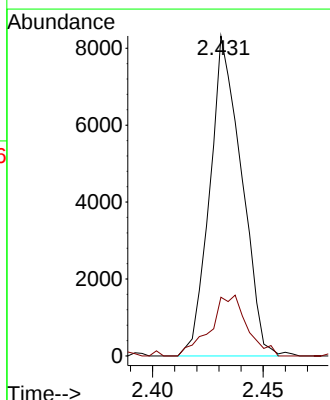
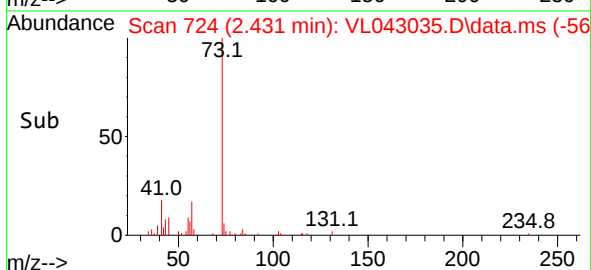
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

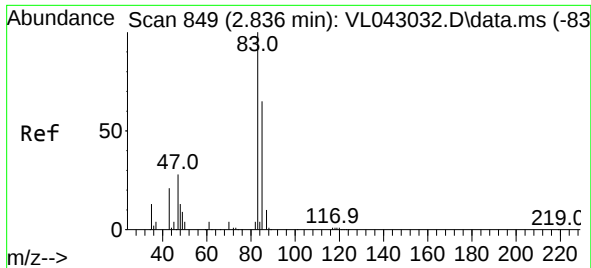


#28
Methyl tert-Butyl Ether
Concen: 0.552 ppbv
RT: 2.431 min Scan# 724
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



Tgt Ion: 73 Resp: 8280
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8





#29

Chloroform

Concen: 0.503 ppbv

RT: 2.839 min Scan# 849

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 2055

Ion Ratio Lower Upper

83 100

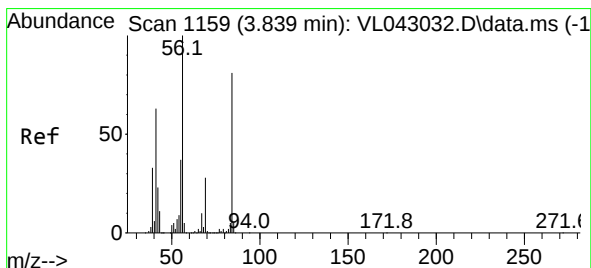
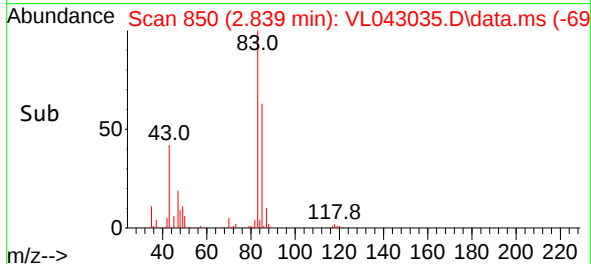
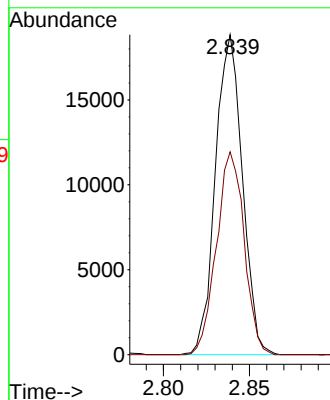
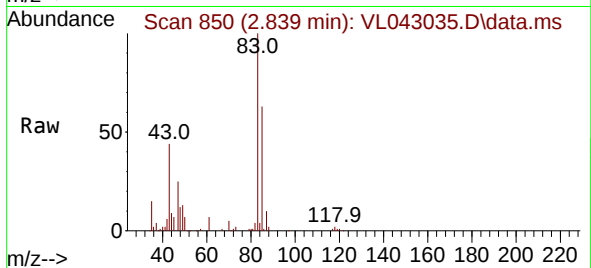
85 63.4 52.0 78.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#30

Cyclohexane

Concen: 0.446 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

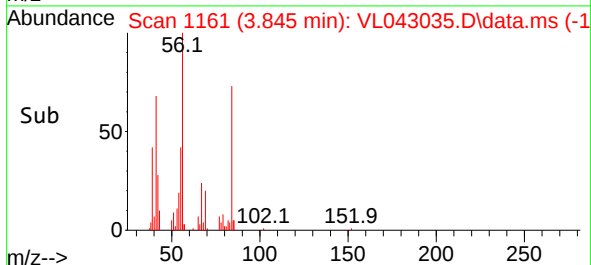
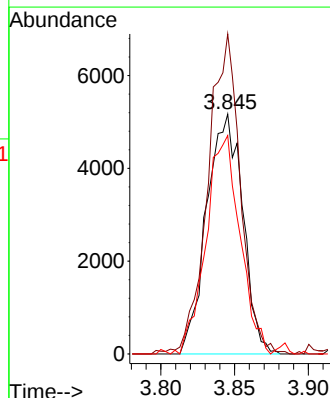
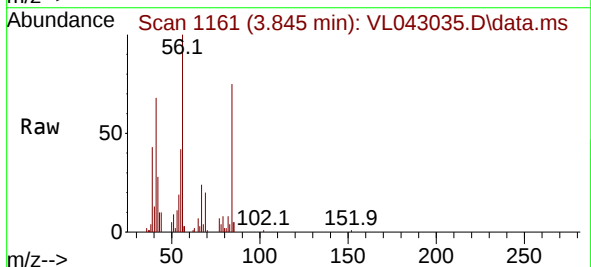
Tgt Ion: 84 Resp: 8774

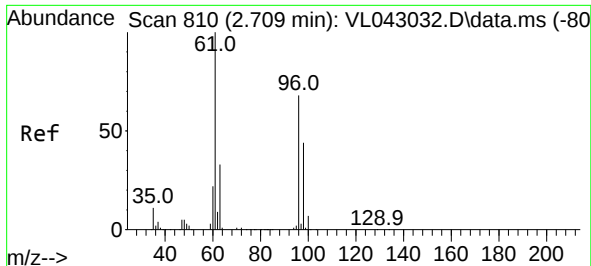
Ion Ratio Lower Upper

84 100

56 120.3 99.9 149.9

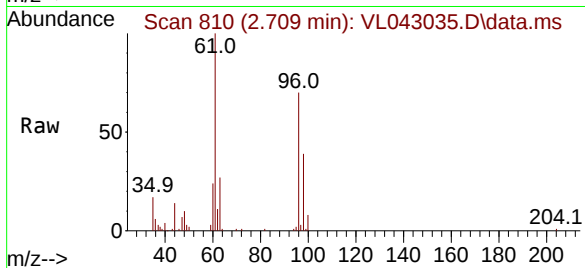
41 87.4 64.2 96.4





#31
 cis-1,2-Dichloroethene
 Concen: 0.485 ppbv
 RT: 2.709 min Scan# 810
 Delta R.T. -0.000 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

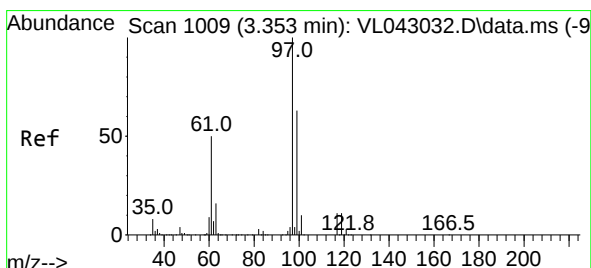
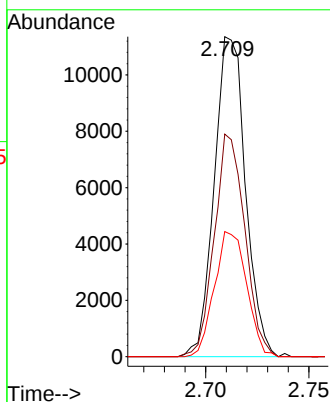
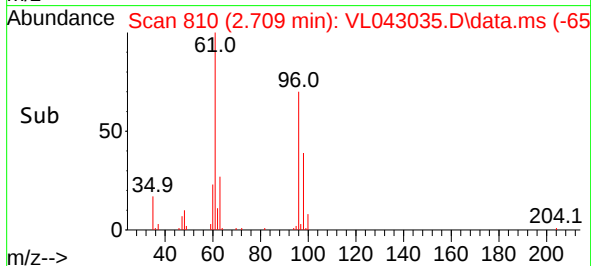
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



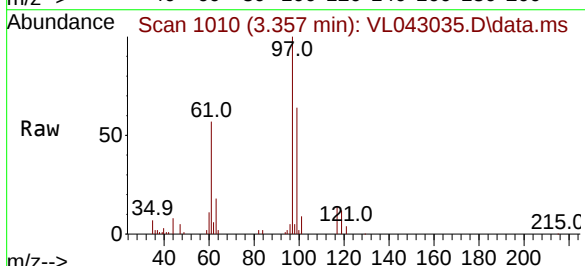
Tgt Ion: 61 Resp: 1194
 Ion Ratio Lower Upper
 61 100
 96 69.6 54.6 82.0
 98 39.1 34.8 52.2

Manual Integrations
 APPROVED

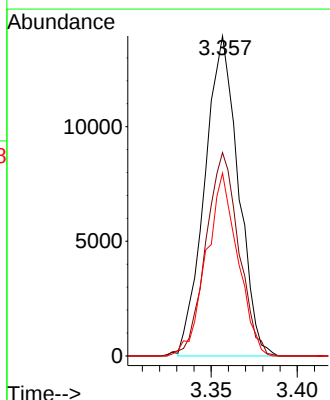
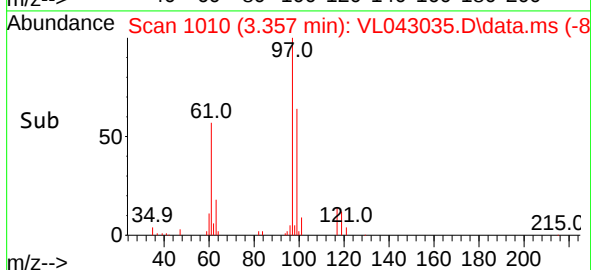
Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

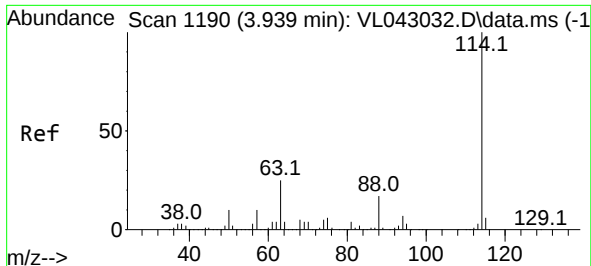


#32
 1,1,1-Trichloroethane
 Concen: 0.478 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02



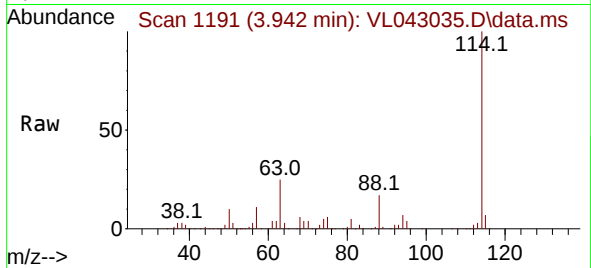
Tgt Ion: 97 Resp: 18993
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.2 76.8
 61 53.4 40.1 60.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

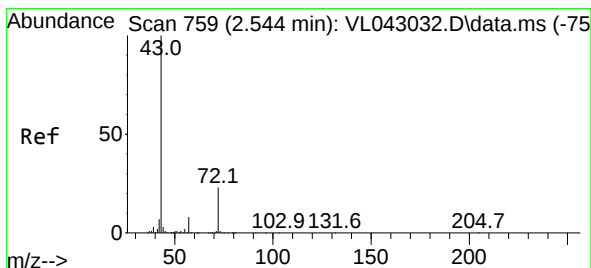
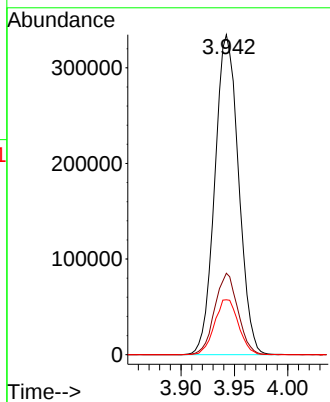
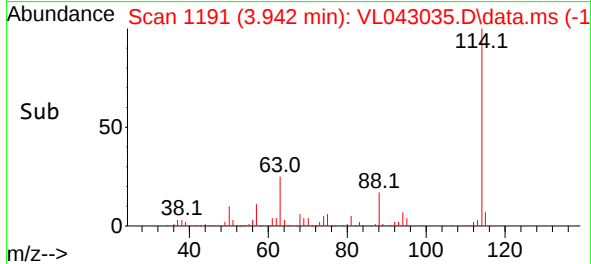
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:114 Resp: 517140
Ion Ratio Lower Upper
114 100
63 24.9 19.4 29.2
88 17.4 13.9 20.9

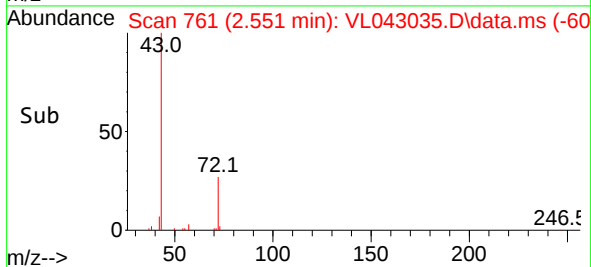
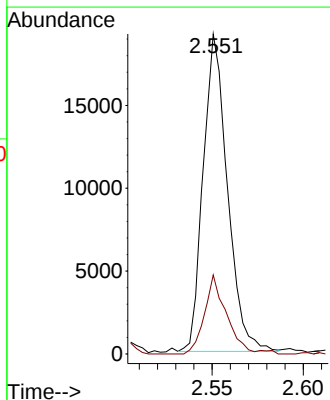
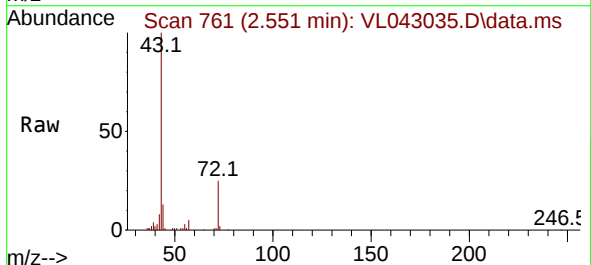
Manual Integrations
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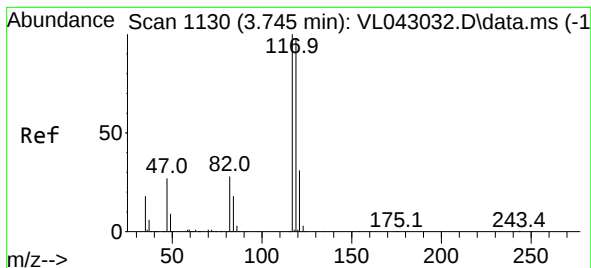
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#34
2-Butanone
Concen: 0.505 ppbv
RT: 2.551 min Scan# 761
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 43 Resp: 17703
Ion Ratio Lower Upper
43 100
72 23.2 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.494 ppbv

RT: 3.748 min Scan# 1130

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

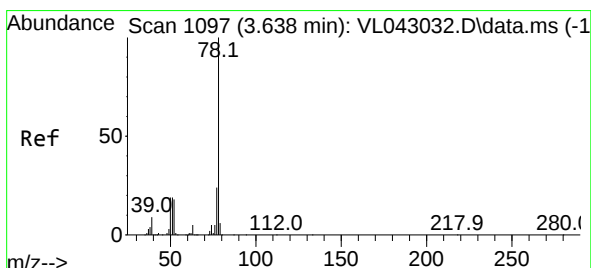
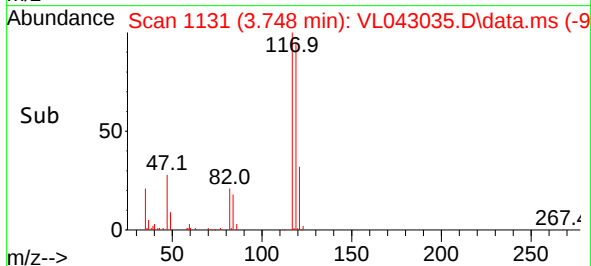
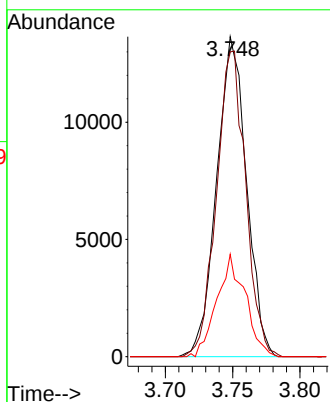
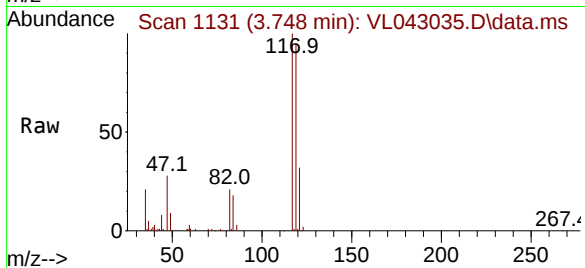
VSTDIC0.5

Tgt Ion:	117	Resp:	2102
Ion Ratio	Lower	Upper	
117	100		
119	95.3	78.2	117.4
121	32.0	24.8	37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#36

Benzene

Concen: 0.497 ppbv

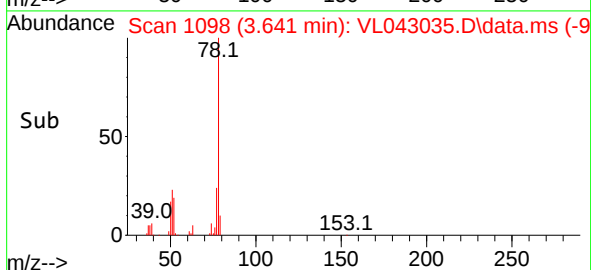
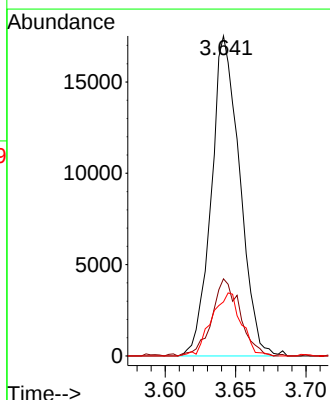
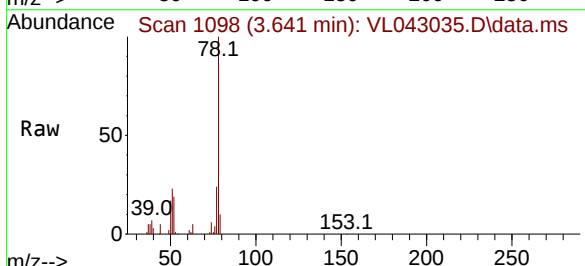
RT: 3.641 min Scan# 1098

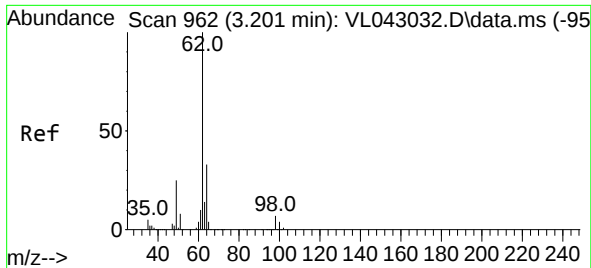
Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

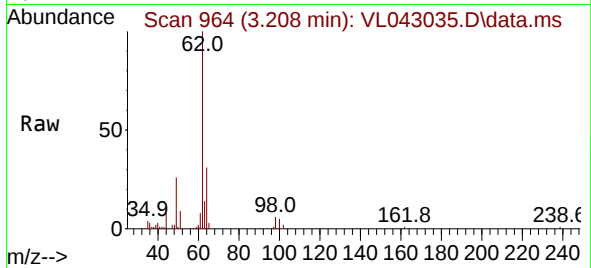
Tgt Ion:	78	Resp:	24552
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.2	28.8
50	16.9	14.9	22.3





#37
1,2-Dichloroethane
Concen: 0.531 ppbv
RT: 3.208 min Scan# 964
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

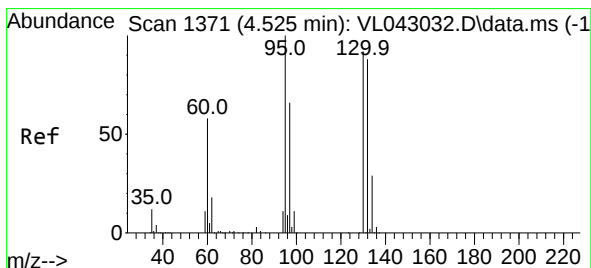
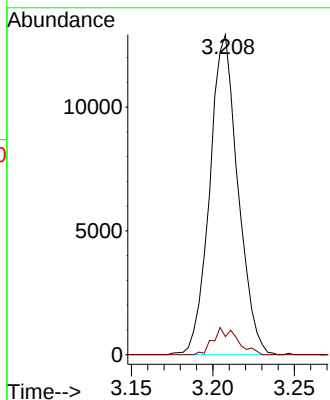
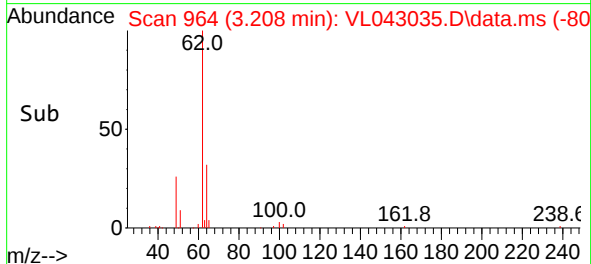
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



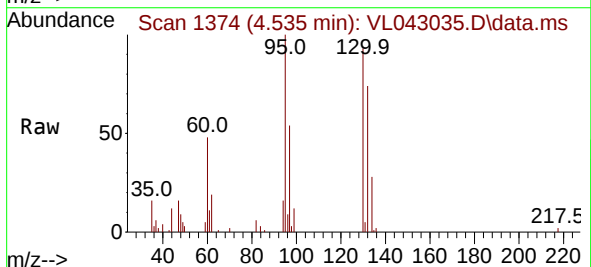
Tgt Ion: 62 Resp: 1554
Ion Ratio Lower Upper
62 100
98 7.2 5.6 8.4

Manual Integrations
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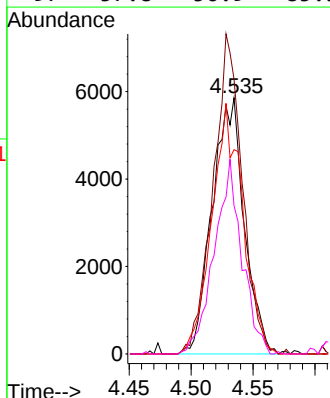
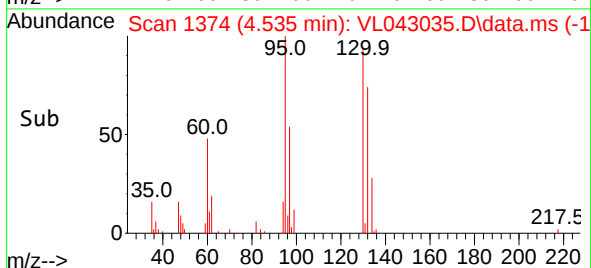
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

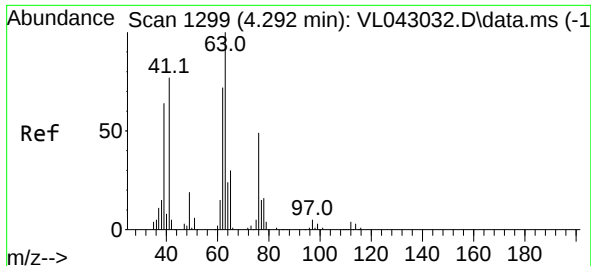


#38
Trichloroethene
Concen: 0.514 ppbv
RT: 4.535 min Scan# 1374
Delta R.T. 0.010 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



Tgt Ion:130 Resp: 10581
Ion Ratio Lower Upper
130 100
95 107.2 86.4 129.6
132 79.8 75.7 113.5
97 57.8 56.9 85.3





#39

1,2-Dichloropropane

Concen: 0.513 ppbv

RT: 4.298 min Scan# 1299

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

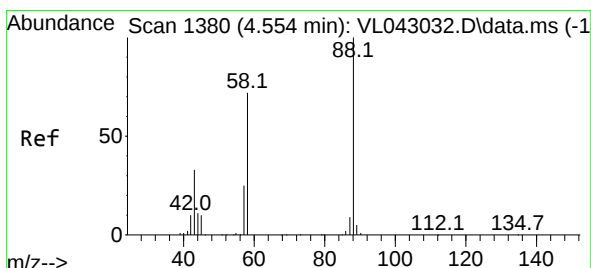
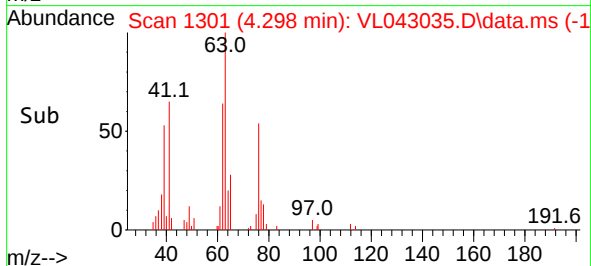
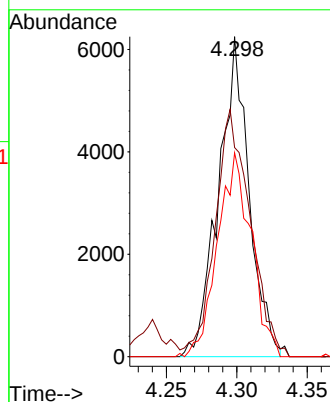
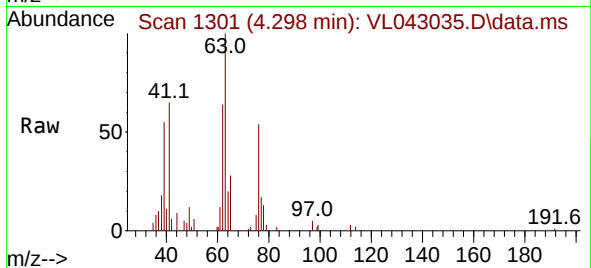
VSTDICC0.5

Tgt Ion: 63	Resp: 939
Ion Ratio	Lower Upper
63	100
41	63.2 61.6 92.4
62	63.7 58.1 87.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#40

1,4-Dioxane

Concen: 0.463 ppbv m

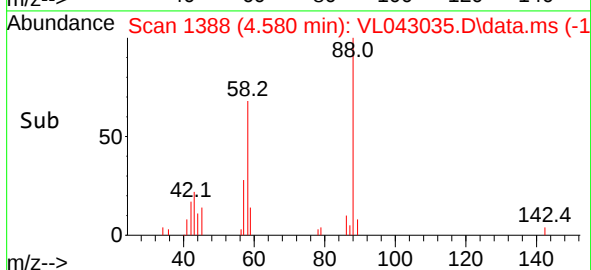
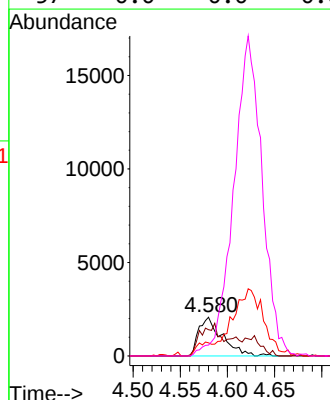
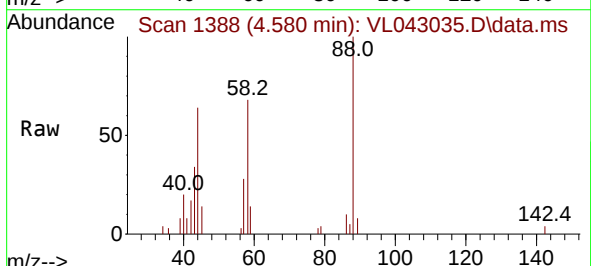
RT: 4.580 min Scan# 1388

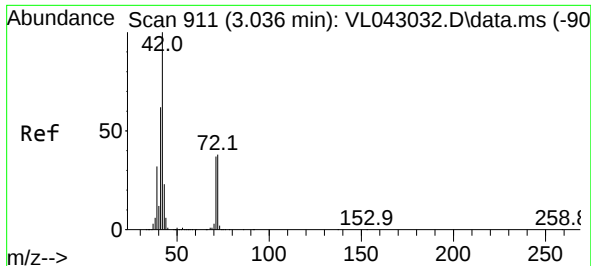
Delta R.T. 0.026 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Tgt Ion: 88	Resp: 3633
Ion Ratio	Lower Upper
88	100
58	128.6 56.2 84.2#
43	0.0 25.7 38.5#
57	0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.453 ppbv

RT: 3.046 min Scan# 911

Delta R.T. 0.010 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

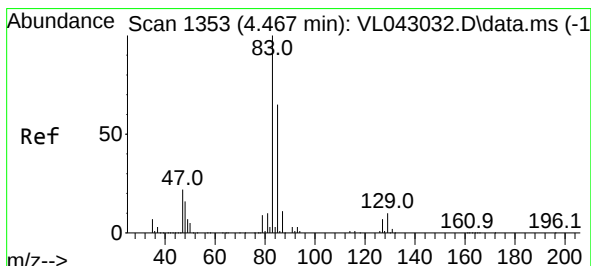
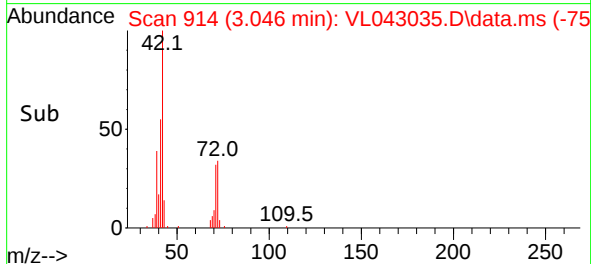
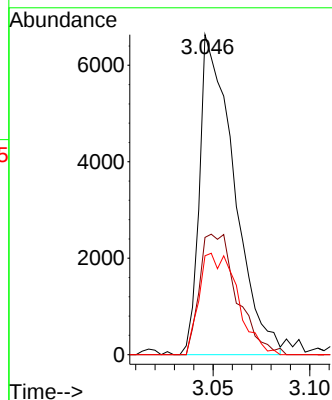
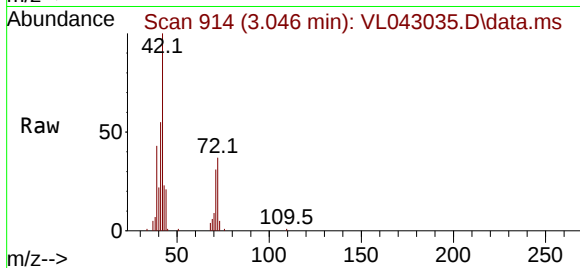
VSTDICC0.5

Tgt Ion:	42	Resp:	821
Ion Ratio	Lower	Upper	
42	100		
72	41.0	31.0	46.6
71	35.2	29.8	44.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#42

Bromodichloromethane

Concen: 0.491 ppbv

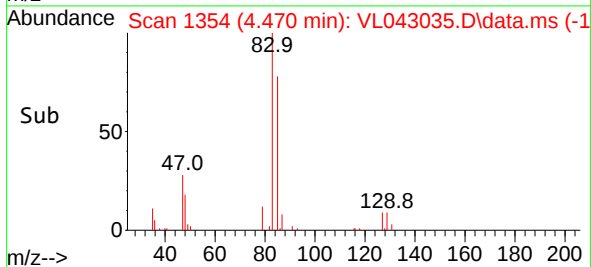
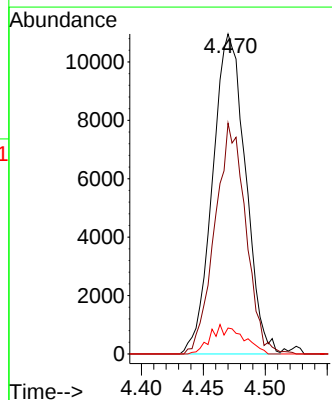
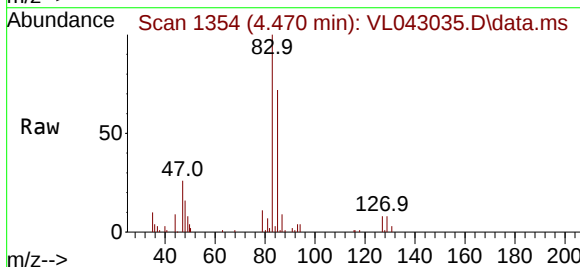
RT: 4.470 min Scan# 1354

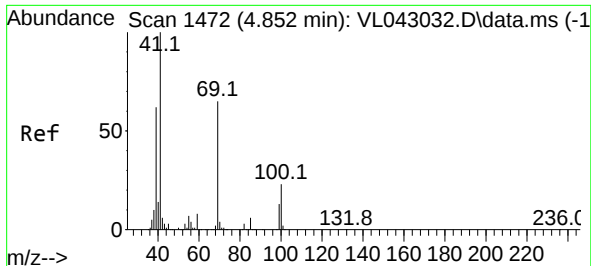
Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Tgt Ion:	83	Resp:	20289
Ion Ratio	Lower	Upper	
83	100		
85	72.1	51.8	77.8
127	8.1	5.9	8.9





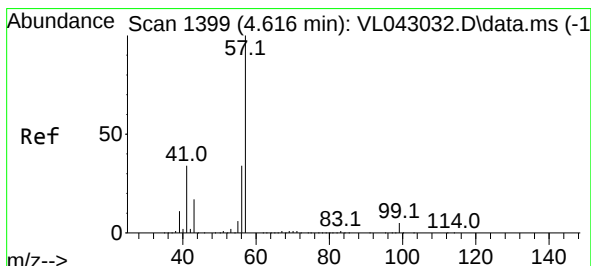
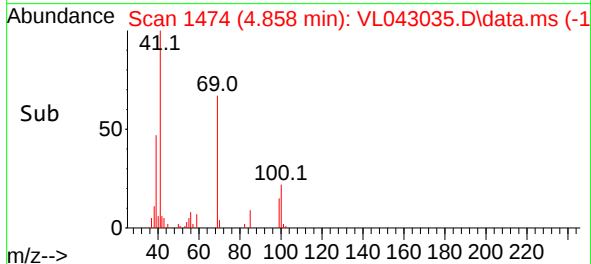
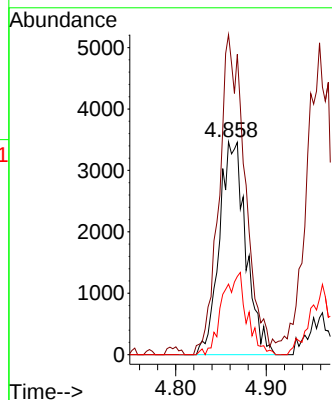
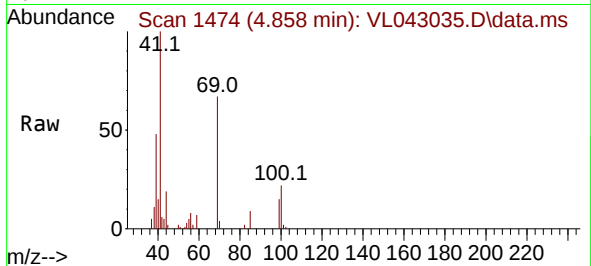
#43
Methyl Methacrylate
Concen: 0.431 ppbv
RT: 4.858 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 69 Resp: 7069
Ion Ratio Lower Upper
69 100
41 148.5 118.0 177.0
100 0.0 28.3 42.5

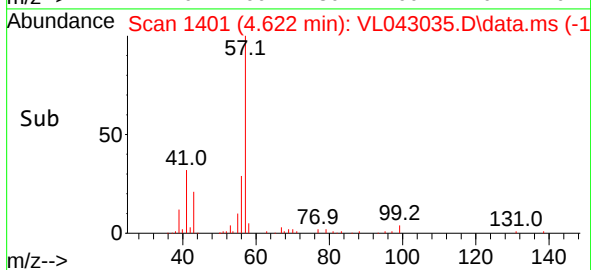
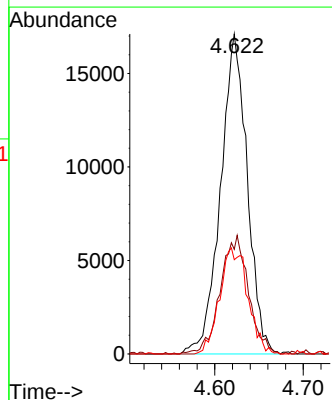
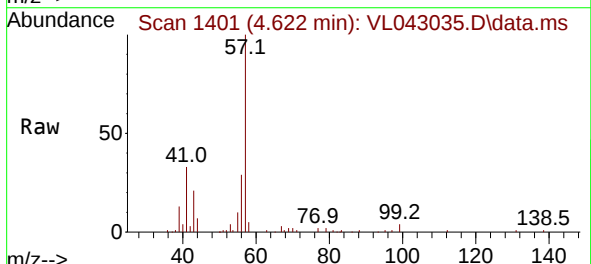
Manual Integrations
APPROVED

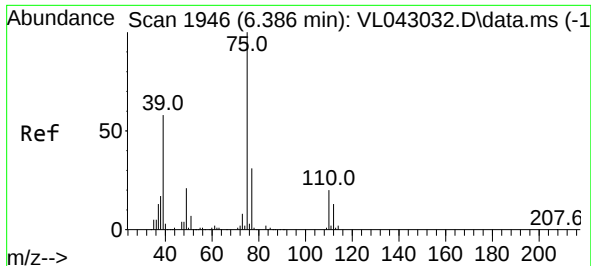
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#44
2,2,4-Trimethylpentane
Concen: 0.452 ppbv
RT: 4.622 min Scan# 1401
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 57 Resp: 35845
Ion Ratio Lower Upper
57 100
41 39.2 27.0 40.4
56 34.9 26.0 39.0





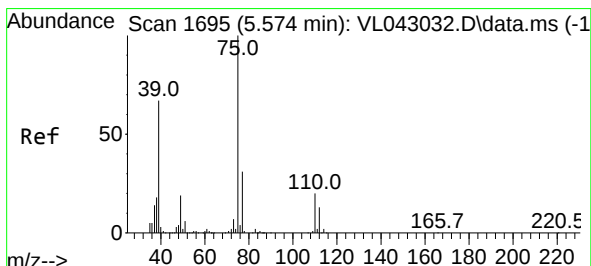
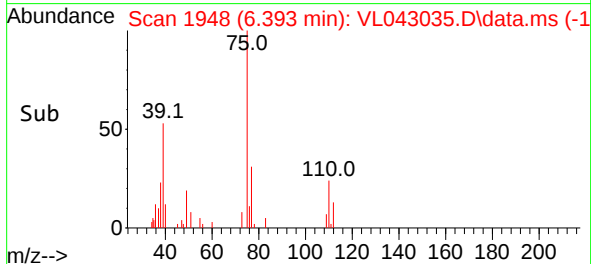
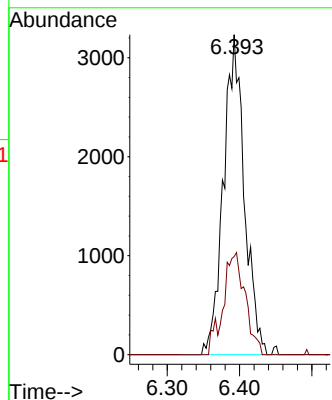
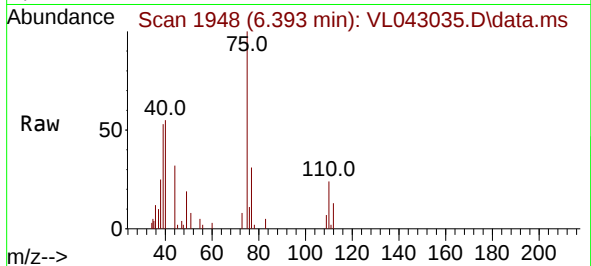
#45
t-1,3-Dichloropropene
Concen: 0.439 ppbv m
RT: 6.393 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 652
Ion Ratio Lower Upper
75 100
77 30.7 24.7 37.1

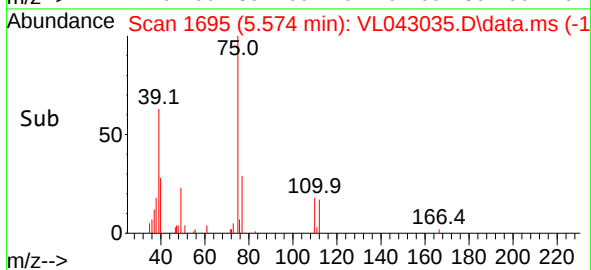
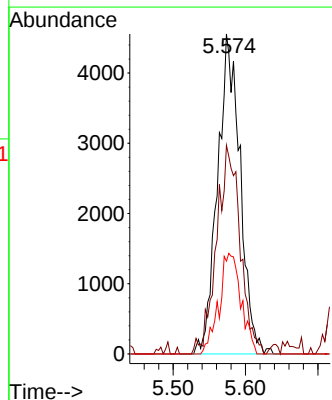
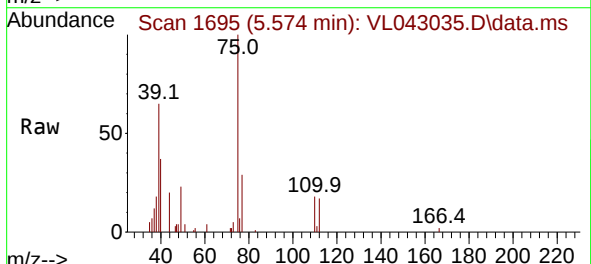
Manual Integrations
APPROVED

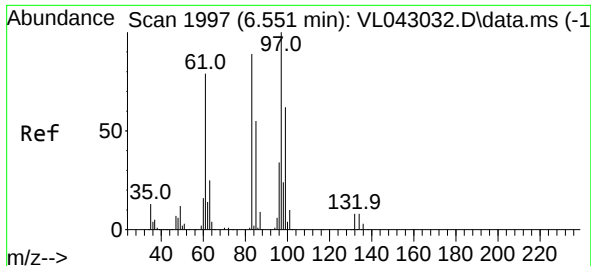
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#46
cis-1,3-Dichloropropene
Concen: 0.467 ppbv m
RT: 5.574 min Scan# 1695
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 75 Resp: 9849
Ion Ratio Lower Upper
75 100
39 65.2 53.4 80.0
77 29.0 25.0 37.4





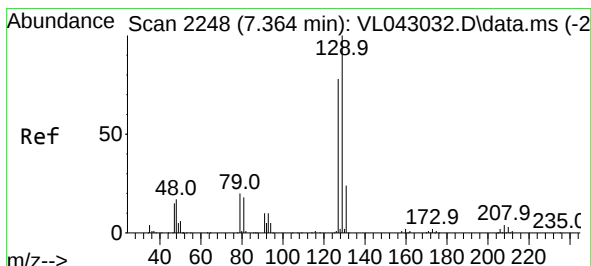
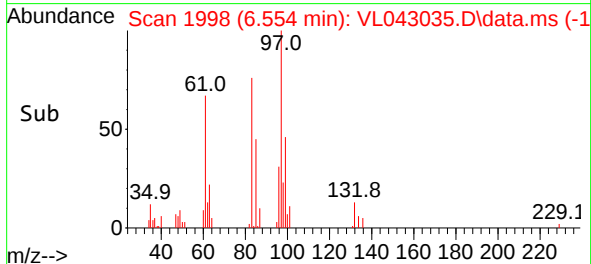
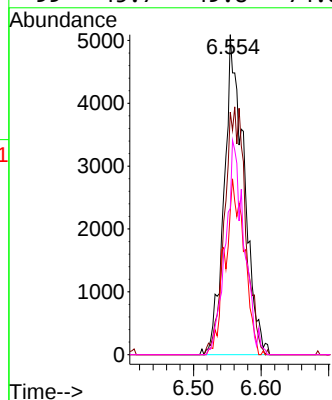
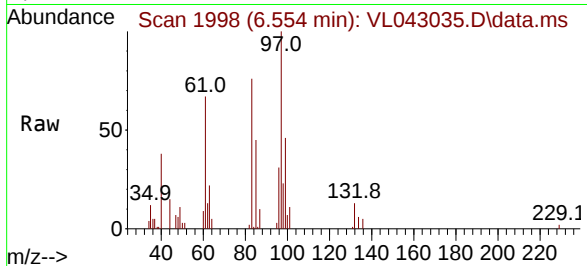
#47
1,1,2-Trichloroethane
Concen: 0.513 ppbv m
RT: 6.554 min Scan# 1997
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
97	100		
83	75.8	71.1	106.7
85	44.9	44.3	66.5
99	45.7	49.8	74.8

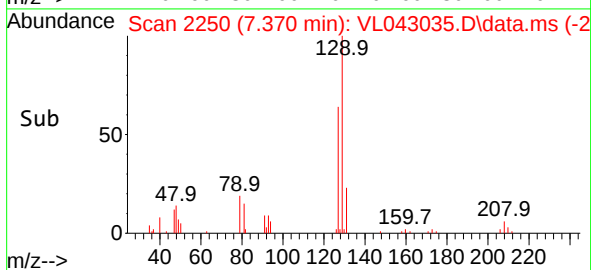
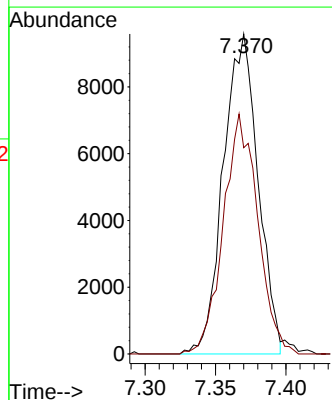
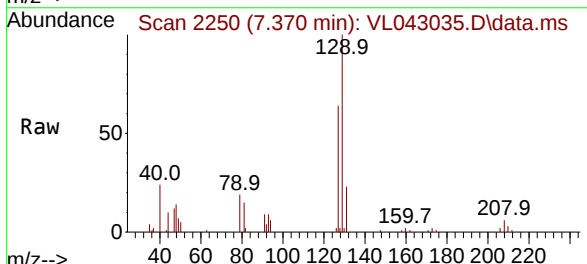
Manual Integrations
APPROVED

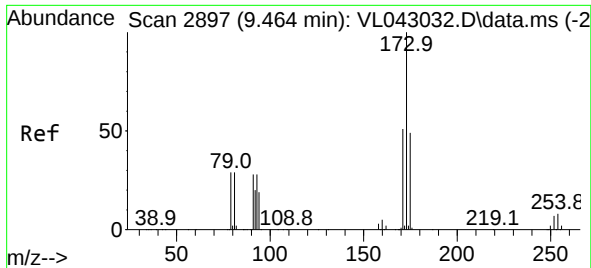
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#48
Dibromochloromethane
Concen: 0.495 ppbv
RT: 7.370 min Scan# 2250
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.6	38.6	116.0





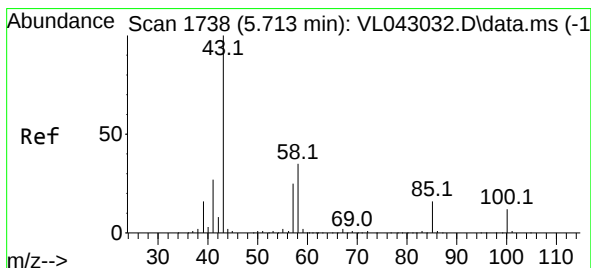
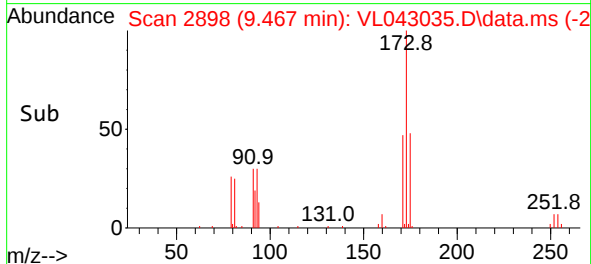
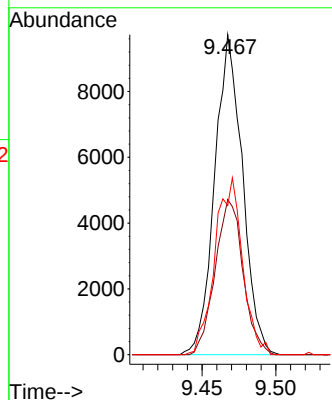
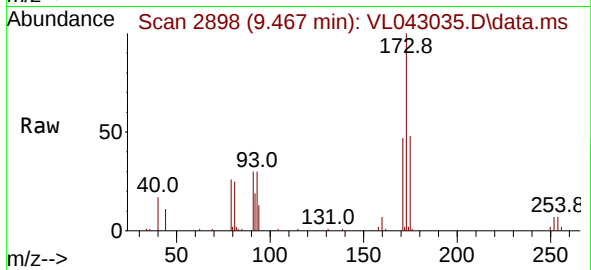
#49
Bromoform
Concen: 0.458 ppbv
RT: 9.467 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:173 Resp: 12720
Ion Ratio Lower Upper
173 100
175 48.9 39.1 58.7
171 55.0 41.4 62.2

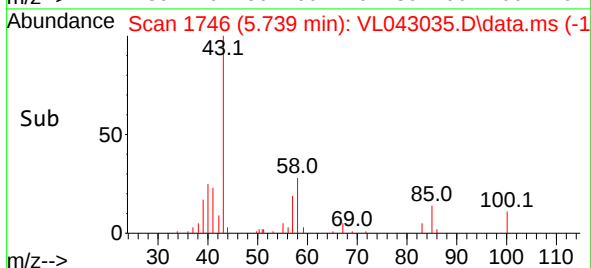
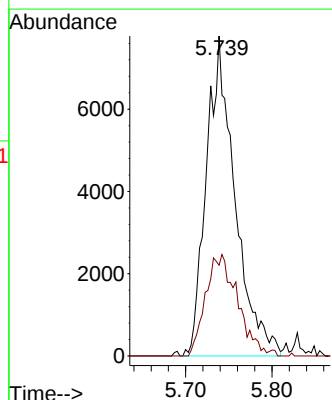
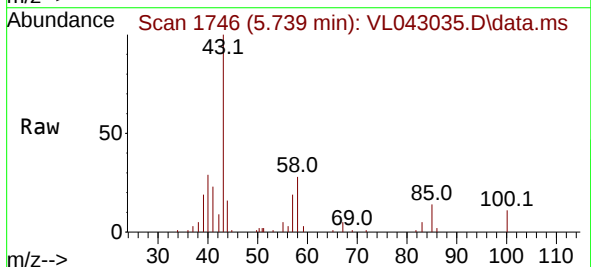
Manual Integrations
APPROVED

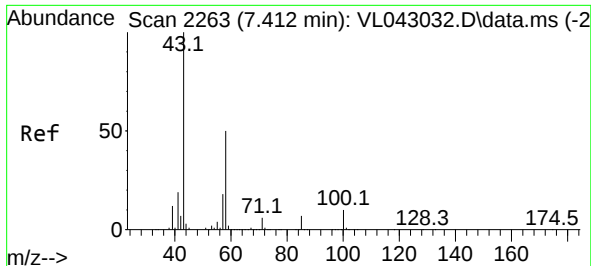
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#50
4-Methyl-2-Pentanone
Concen: 0.419 ppbv m
RT: 5.739 min Scan# 1746
Delta R.T. 0.026 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

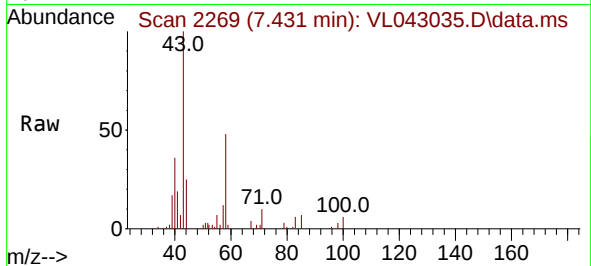
Tgt Ion: 43 Resp: 17913
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#





#51
2-Hexanone
Concen: 0.361 ppbv m
RT: 7.431 min Scan# 210
Delta R.T. 0.019 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

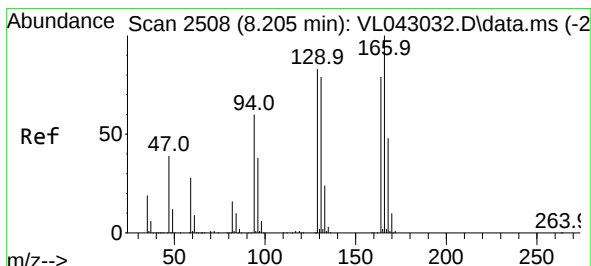
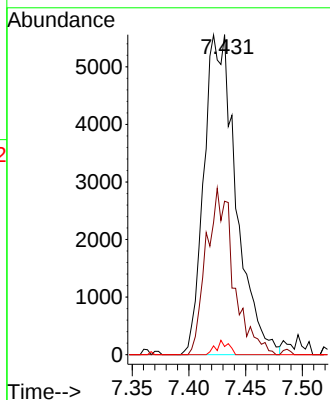
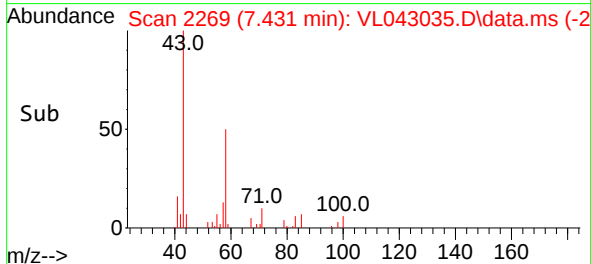
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



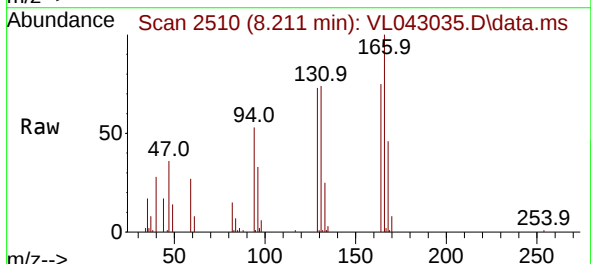
Tgt Ion: 43 Resp: 10960
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7
98 0.0 0.5 0.7

Manual Integrations
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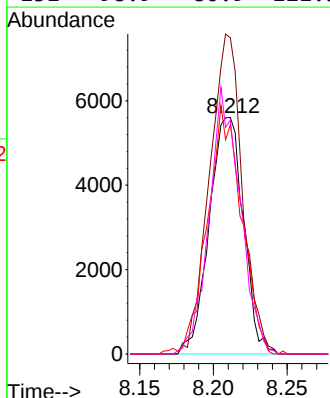
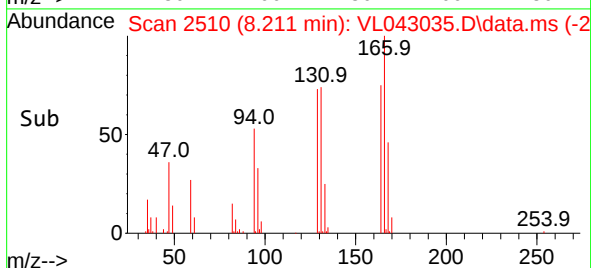
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

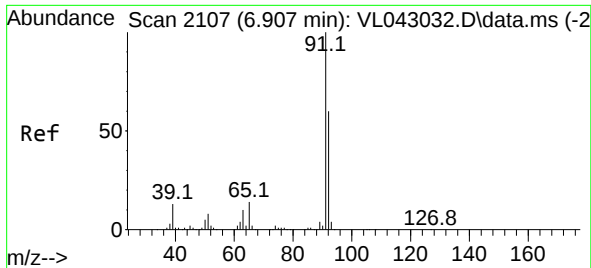


#52
Tetrachloroethene
Concen: 0.490 ppbv
RT: 8.211 min Scan# 2510
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



Tgt Ion:164 Resp: 9020
Ion Ratio Lower Upper
164 100
166 133.6 101.8 152.8
129 97.0 84.5 126.7
131 98.9 80.9 121.3





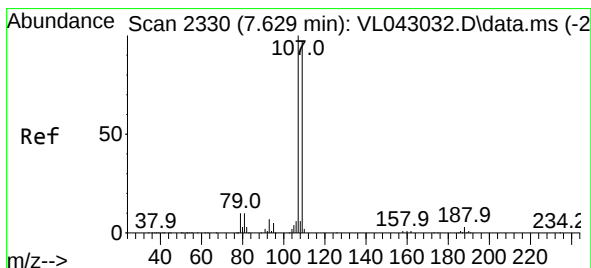
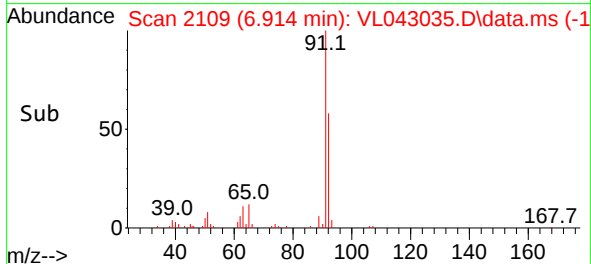
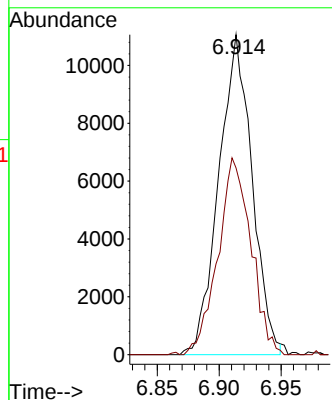
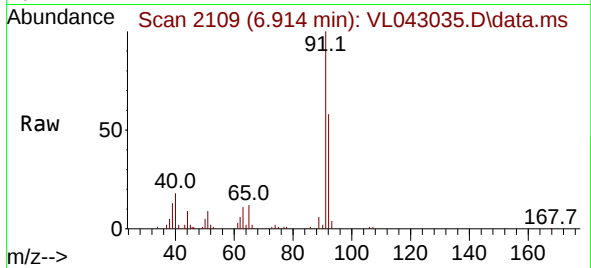
#53
Toluene
Concen: 0.414 ppbv
RT: 6.914 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 2066
Ion Ratio Lower Upper
91 100
92 61.2 47.8 71.6

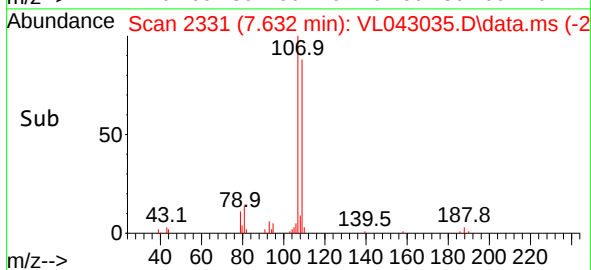
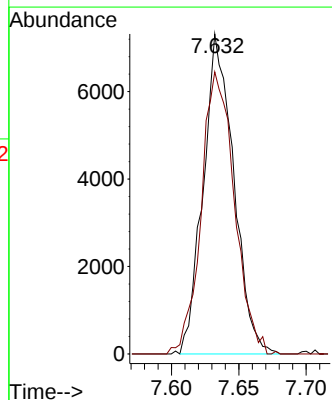
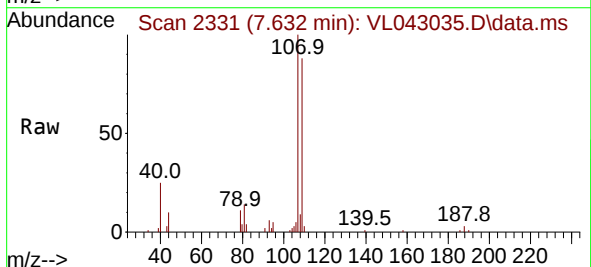
Manual Integrations
APPROVED

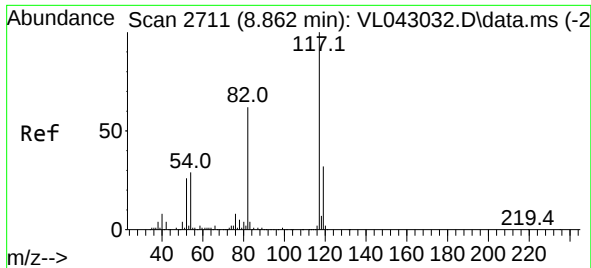
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#54
1,2-Dibromoethane
Concen: 0.477 ppbv
RT: 7.632 min Scan# 2331
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

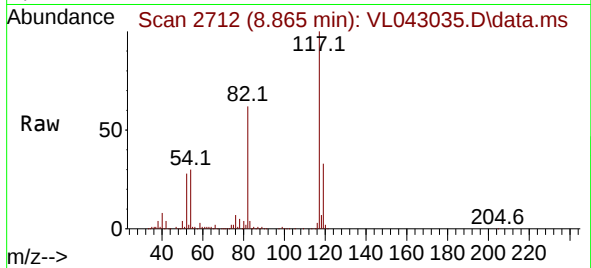
Tgt Ion:107 Resp: 11508
Ion Ratio Lower Upper
107 100
109 88.2 77.4 116.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2711
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

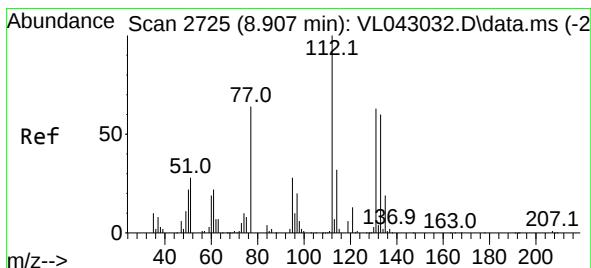
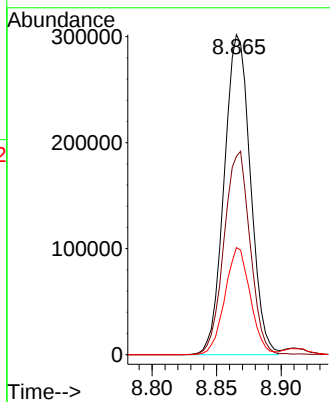
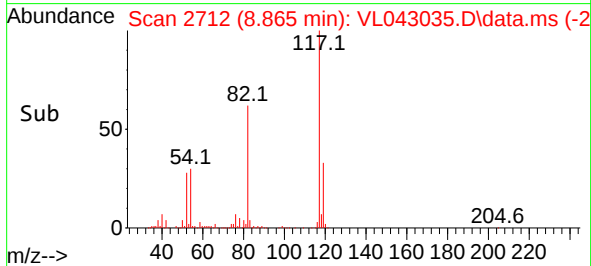
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:117 Resp: 425928
Ion Ratio Lower Upper
117 100
82 63.6 53.0 79.6
119 34.4 25.4 38.2

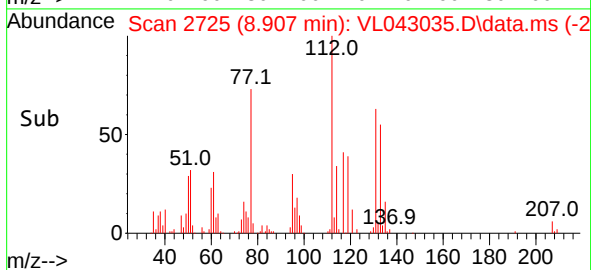
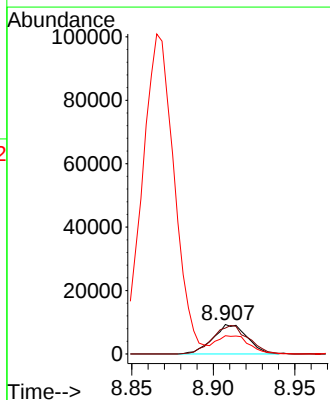
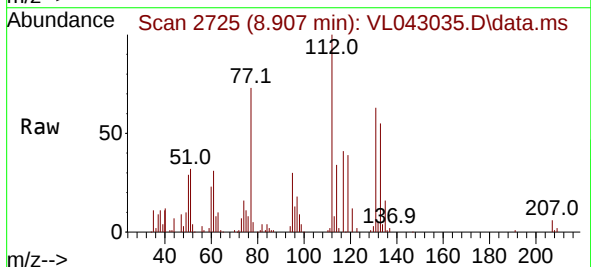
Manual Integrations
APPROVED

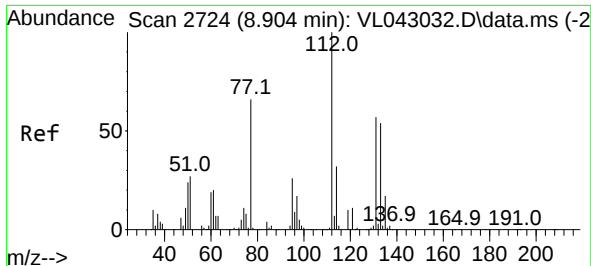
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 0.522 ppbv
RT: 8.907 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion:131 Resp: 13550
Ion Ratio Lower Upper
131 100
133 100.7 76.2 114.4
119 1082.3 49.4 74.2#





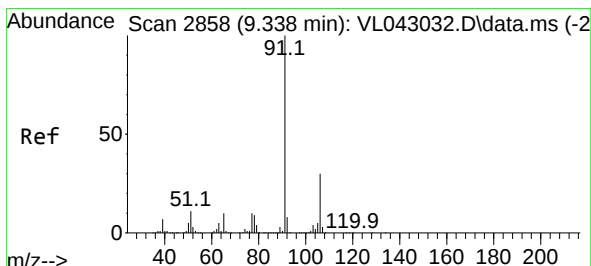
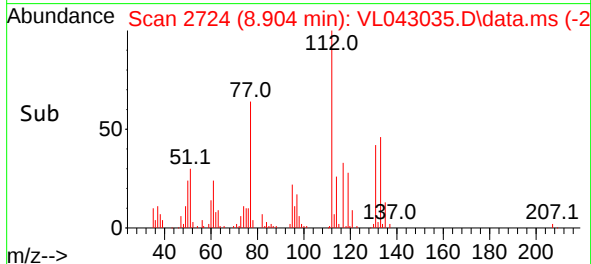
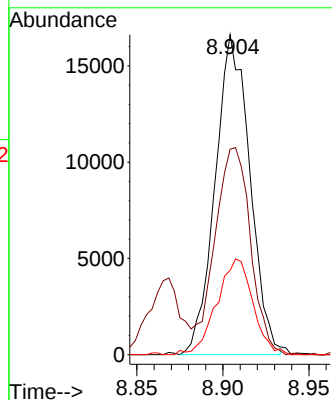
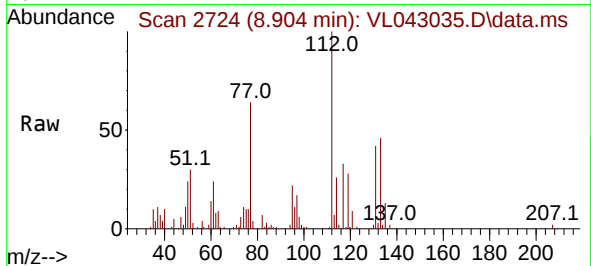
#57
Chlorobenzene
Concen: 0.517 ppbv
RT: 8.904 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 2326
Ion Ratio Lower Upper
112 100
77 63.0 53.2 79.8
114 25.0 28.6 35.0

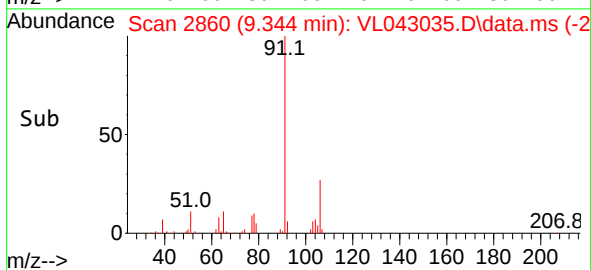
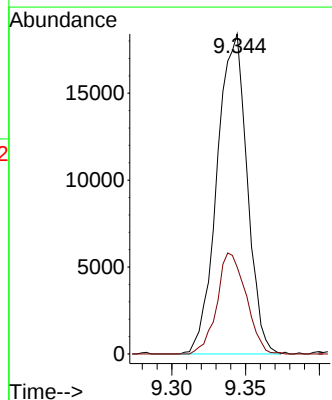
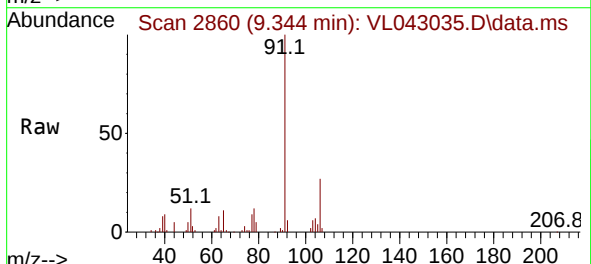
Manual Integrations
APPROVED

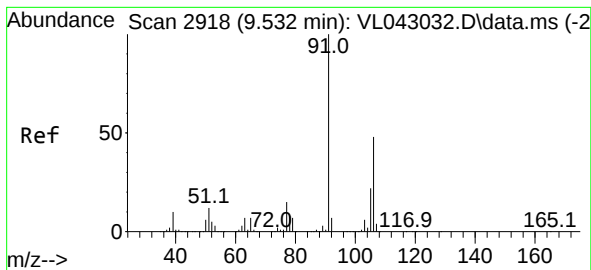
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#58
Ethyl Benzene
Concen: 0.396 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 91 Resp: 26120
Ion Ratio Lower Upper
91 100
106 27.2 24.1 36.1





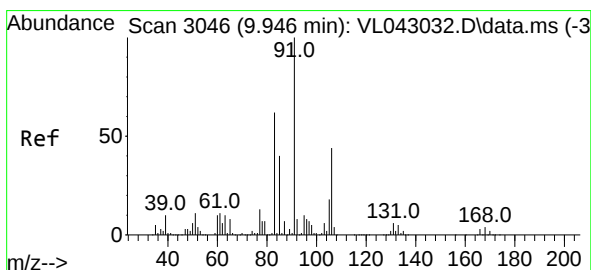
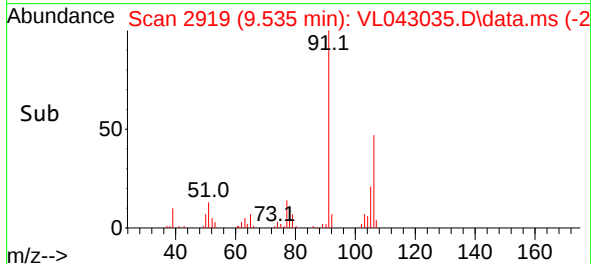
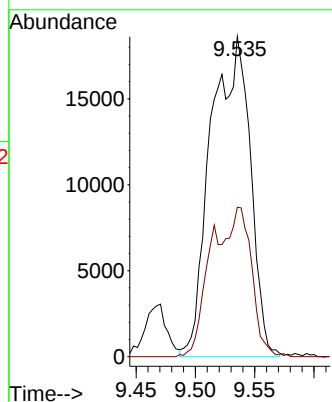
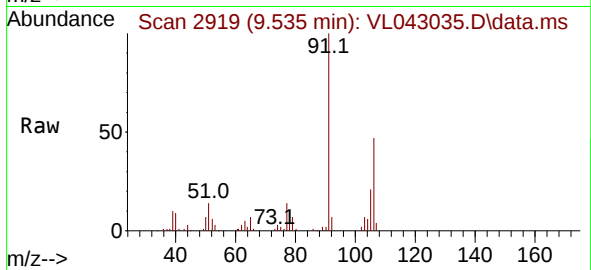
#59
m/p-Xylene
Concen: 0.773 ppbv m
RT: 9.535 min Scan# 2918
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 43040
Ion Ratio Lower Upper
91 100
106 47.1 37.5 56.3

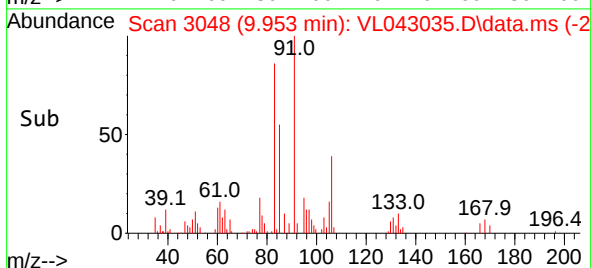
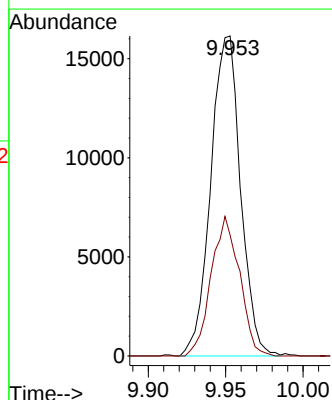
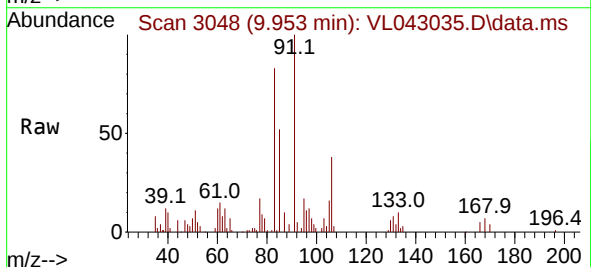
Manual Integrations
APPROVED

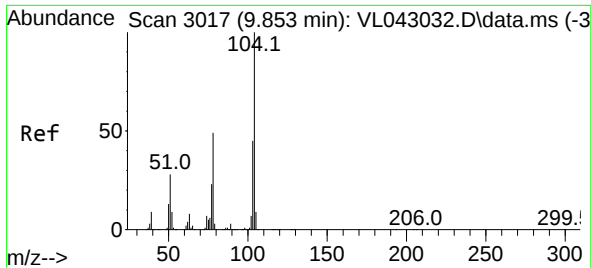
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#60
o-Xylene
Concen: 0.390 ppbv
RT: 9.953 min Scan# 3048
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

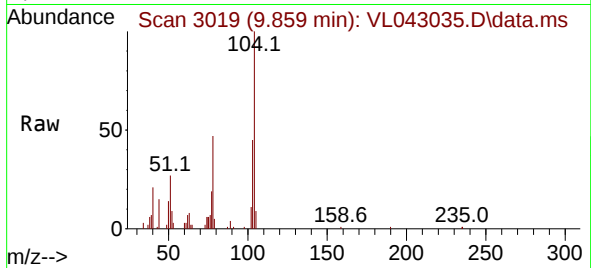
Tgt Ion: 91 Resp: 21624
Ion Ratio Lower Upper
91 100
106 41.5 21.9 65.5





#61
Styrene
Concen: 0.358 ppbv
RT: 9.859 min Scan# 3017
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

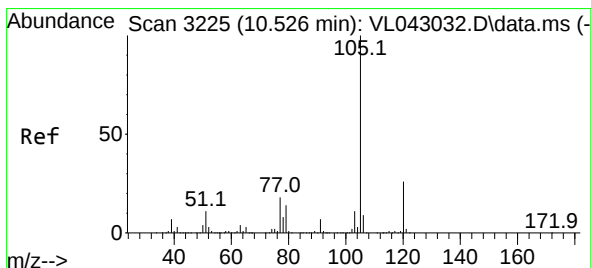
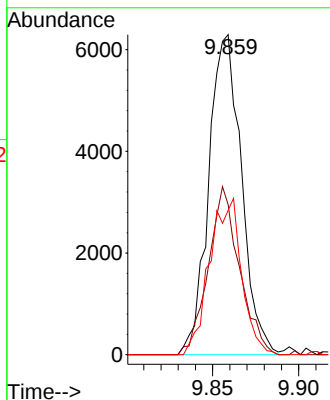
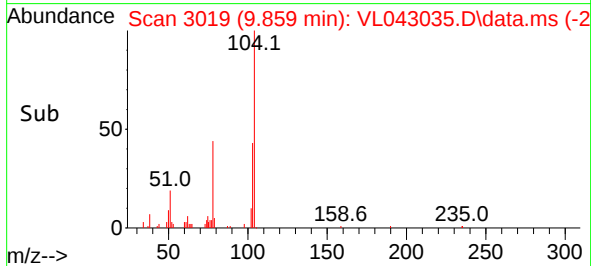
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion:104 Resp: 832
Ion Ratio Lower Upper
104 100
78 50.3 39.7 59.5
103 47.9 37.6 56.4

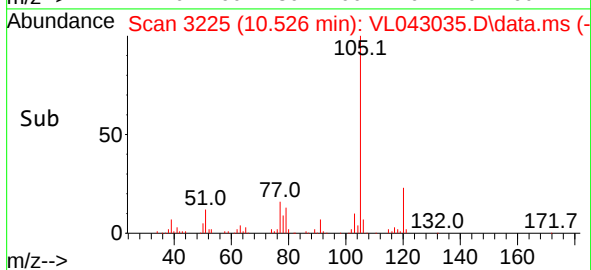
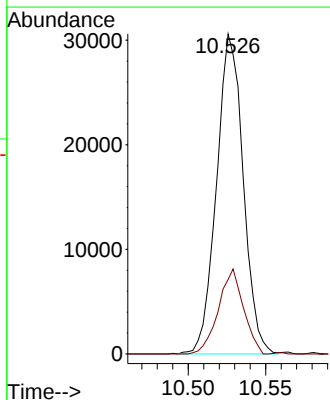
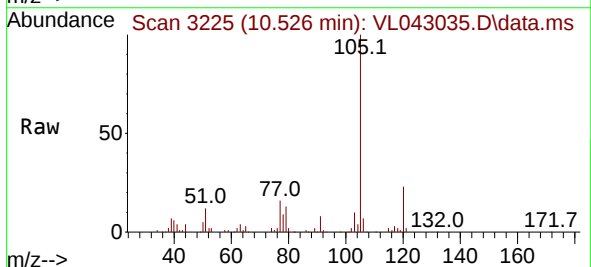
Manual Integrations
APPROVED

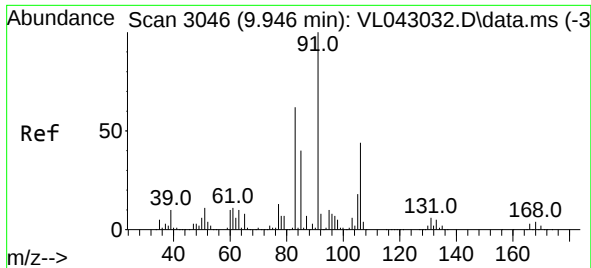
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#62
Isopropylbenzene
Concen: 0.430 ppbv
RT: 10.526 min Scan# 3225
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

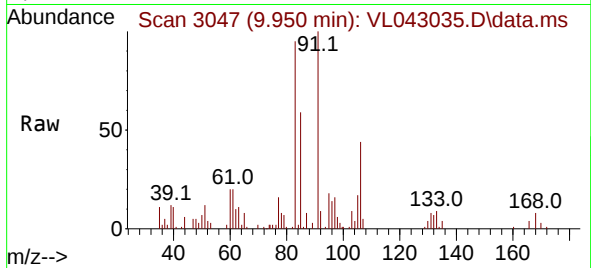
Tgt Ion:105 Resp: 36604
Ion Ratio Lower Upper
105 100
120 25.1 20.6 31.0





#63
1,1,2,2-Tetrachloroethane
Concen: 0.497 ppbv
RT: 9.950 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

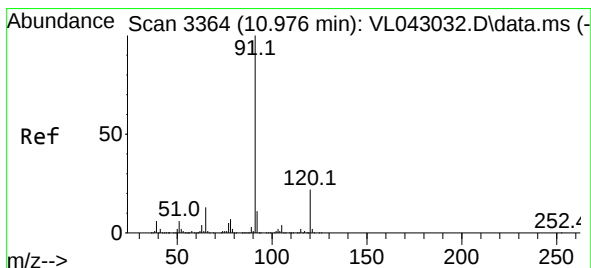
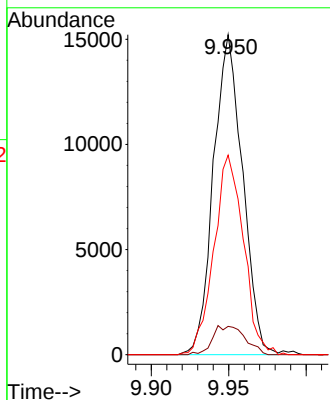
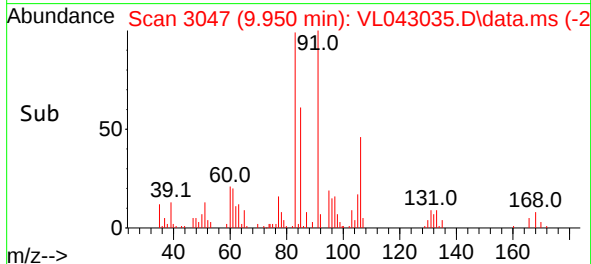
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



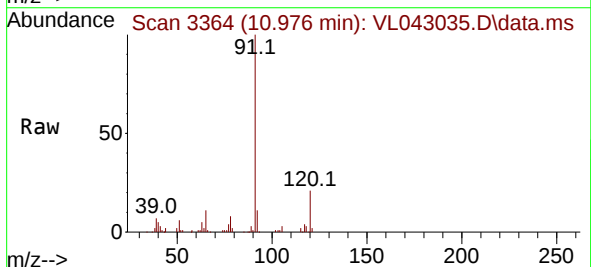
Tgt Ion: 83 Resp: 1986
Ion Ratio Lower Upper
83 100
131 10.0 4.7 14.1
85 63.4 32.0 96.2

Manual Integrations
APPROVED

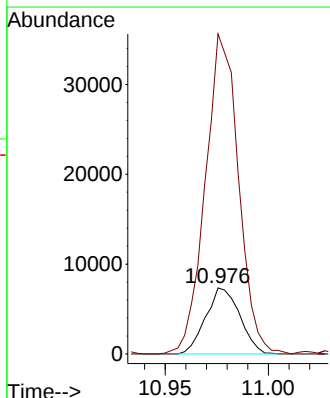
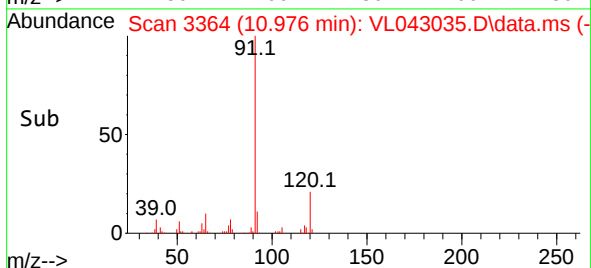
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

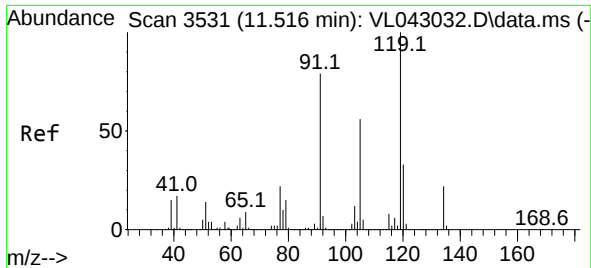


#64
n-propylbenzene
Concen: 0.388 ppbv
RT: 10.976 min Scan# 3364
Delta R.T. -0.000 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



Tgt Ion:120 Resp: 8445
Ion Ratio Lower Upper
120 100
91 476.4 367.0 550.4





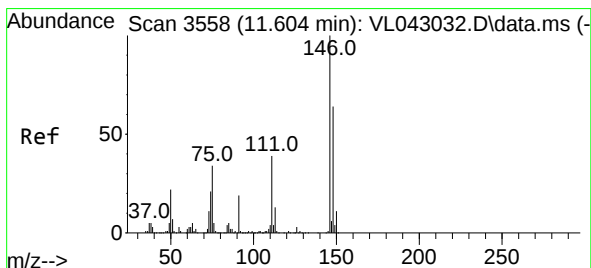
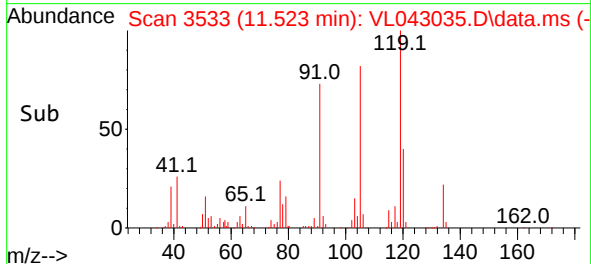
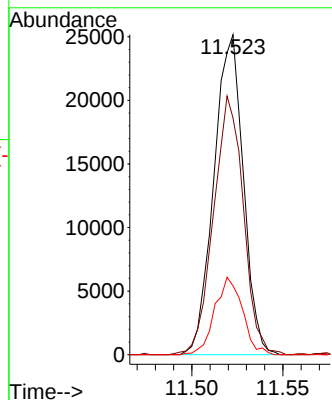
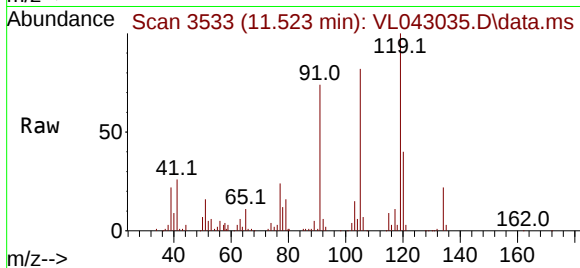
#65
tert-Butylbenzene
Concen: 0.373 ppbv
RT: 11.523 min Scan# 3533
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 119 Resp: 2826
Ion Ratio Lower Upper
119 100
91 82.0 63.1 94.7
134 22.8 16.9 25.3

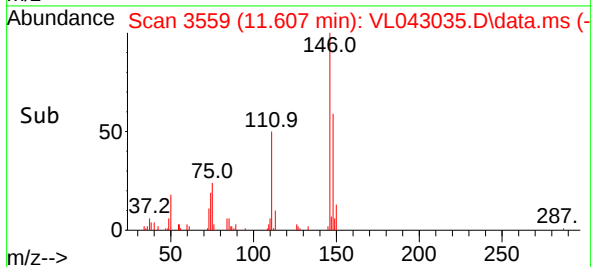
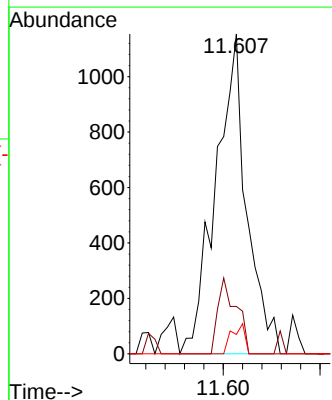
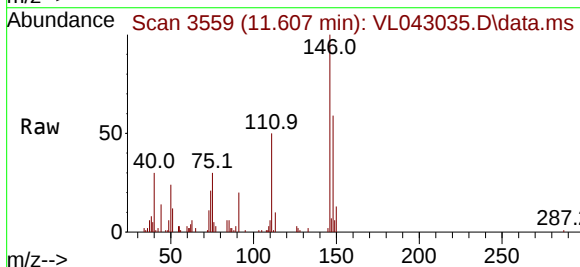
Manual Integrations
APPROVED

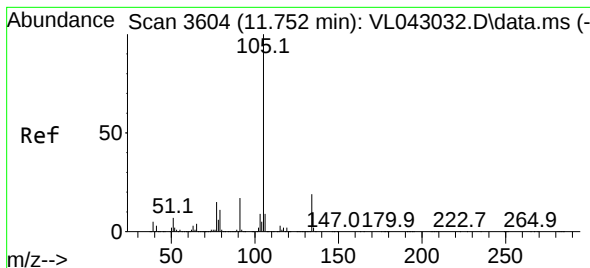
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#66
Benzyl Chloride
Concen: 0.437 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion: 91 Resp: 1282
Ion Ratio Lower Upper
91 100
126 14.1 14.2 21.4#
128 4.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.403 ppbv

RT: 11.759 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:105 Resp: 4258

Ion Ratio Lower Upper

105 100

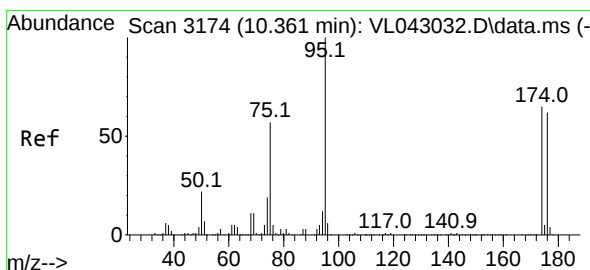
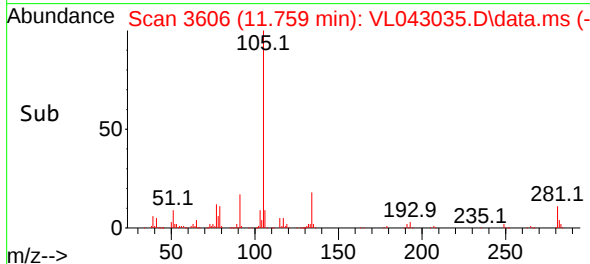
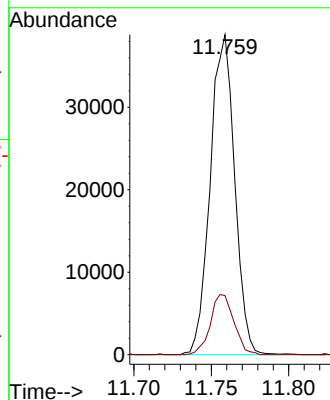
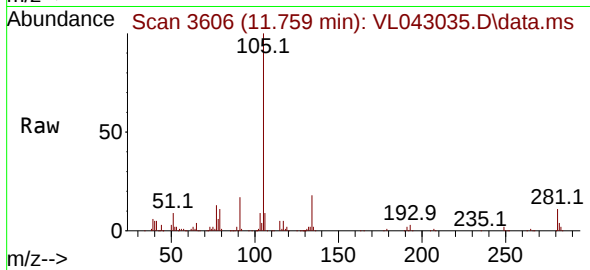
134 18.1 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.057 ppbv

RT: 10.364 min Scan# 3175

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

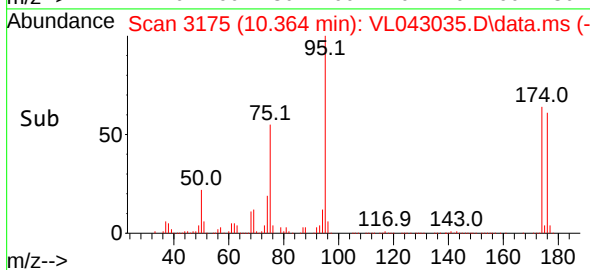
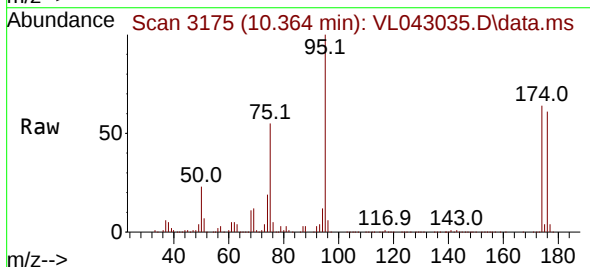
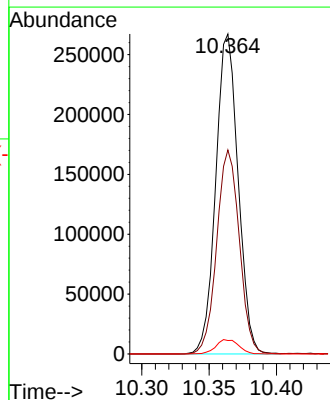
Tgt Ion: 95 Resp: 308574

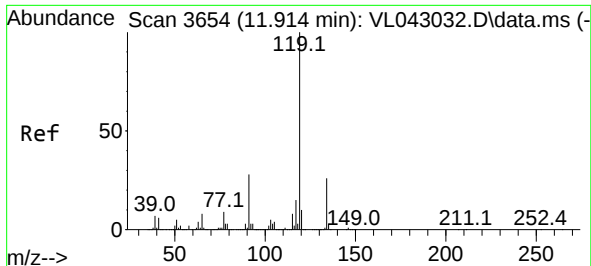
Ion Ratio Lower Upper

95 100

174 64.5 52.3 78.5

175 4.6 3.8 5.8





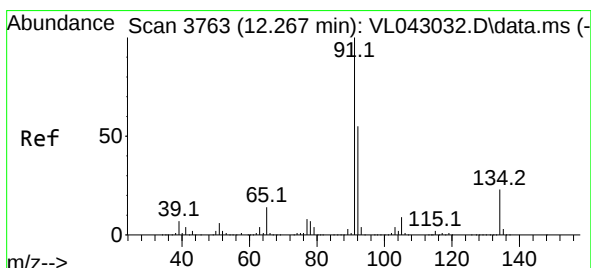
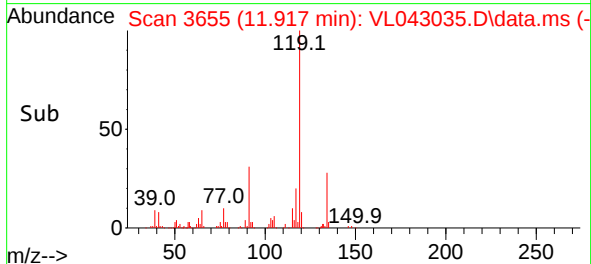
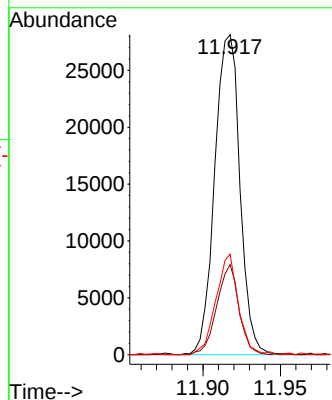
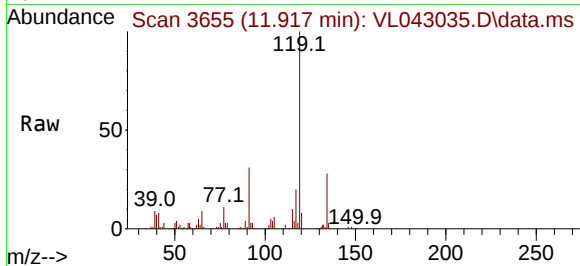
#69
p-Isopropyltoluene
Concen: 0.370 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	119	Resp:	3183
Ion Ratio	Lower	Upper	
119	100		
134	24.6	20.5	30.7
91	28.6	22.6	33.8

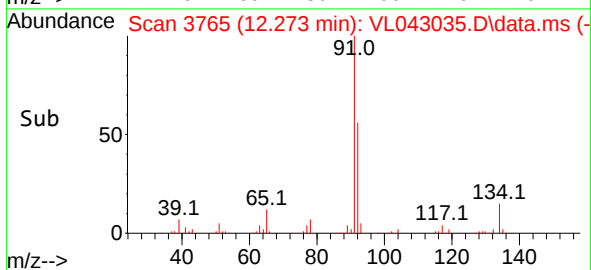
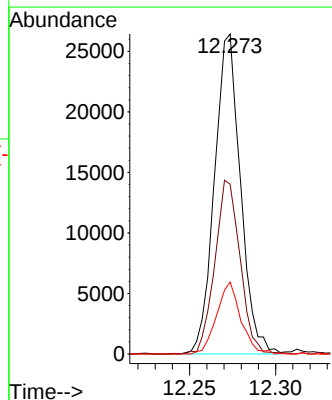
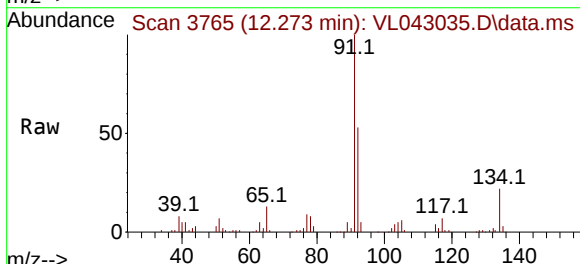
Manual Integrations
APPROVED

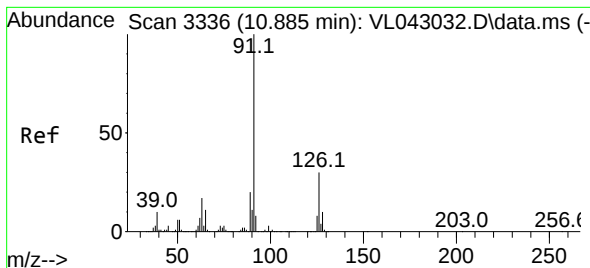
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#70
n-Butylbenzene
Concen: 0.336 ppbv
RT: 12.273 min Scan# 3765
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion:	91	Resp:	27814
Ion Ratio	Lower	Upper	
91	100		
92	52.9	43.9	65.9
134	20.8	18.9	28.3





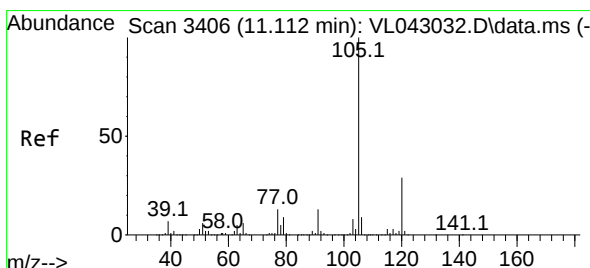
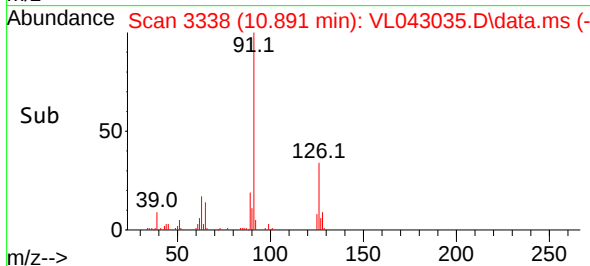
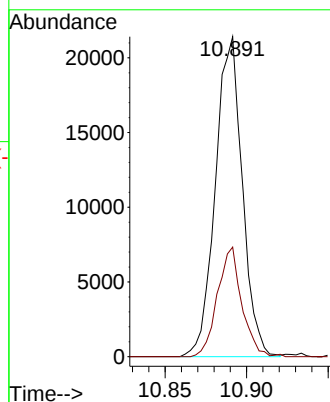
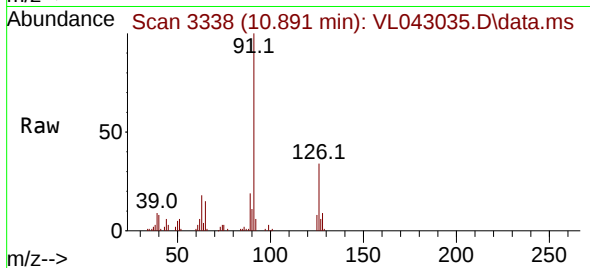
#71
2-Chlorotoluene
Concen: 0.399 ppbv
RT: 10.891 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 2456
Ion Ratio Lower Upper
91 100
126 30.9 12.2 48.6

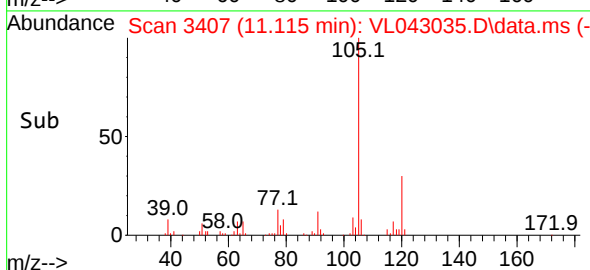
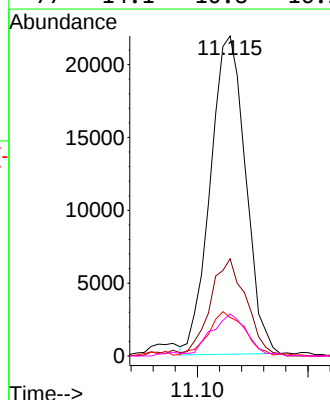
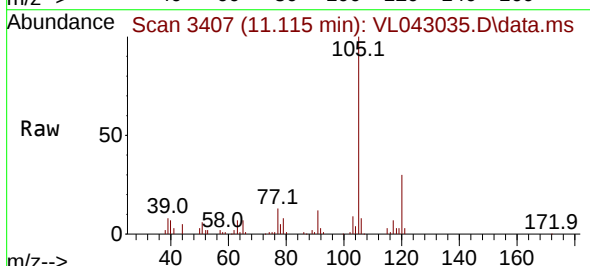
Manual Integrations
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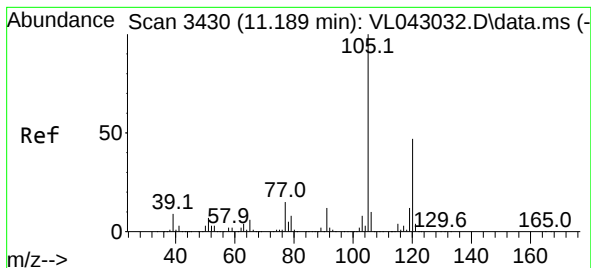
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#72
4-Ethyltoluene
Concen: 0.366 ppbv
RT: 11.115 min Scan# 3407
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

Tgt Ion:105 Resp: 24162
Ion Ratio Lower Upper
105 100
120 32.3 23.5 35.3
91 15.8 10.4 15.6#
77 14.1 10.8 16.2





#73

1,3,5-Trimethylbenzene

Concen: 0.381 ppbv

RT: 11.192 min Scan# 3430

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 2177

Ion Ratio Lower Upper

105 100

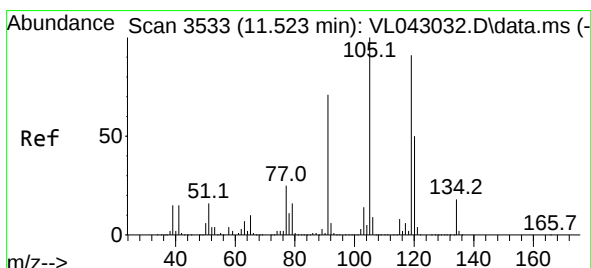
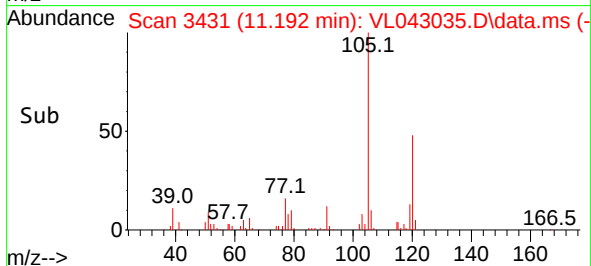
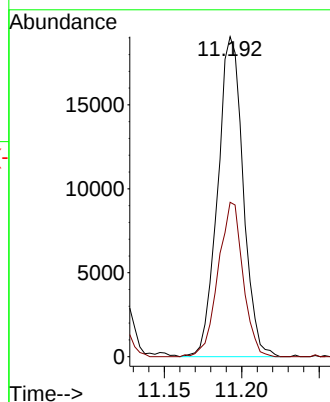
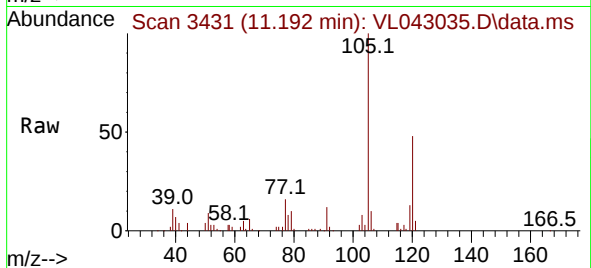
120 48.2 37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025

Supervised By :Mahesh Dadoda 10/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.370 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Tgt Ion:105 Resp: 23834

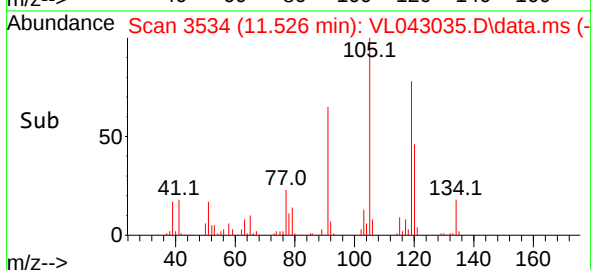
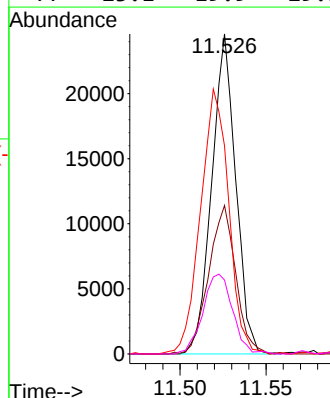
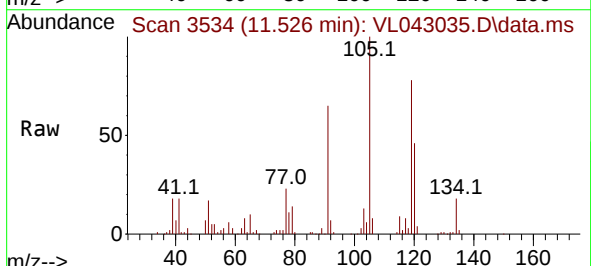
Ion Ratio Lower Upper

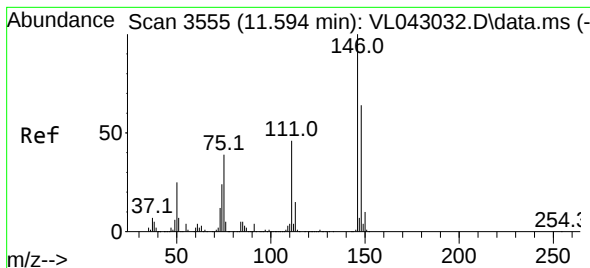
105 100

120 46.1 39.7 59.5

91 64.8 56.5 84.7

77 23.1 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 0.465 ppbv

RT: 11.594 min Scan# 3555

Delta R.T. -0.000 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

Instrument :

MSVOA_L

ClientSampleId :

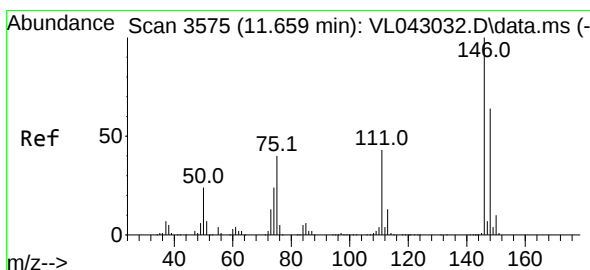
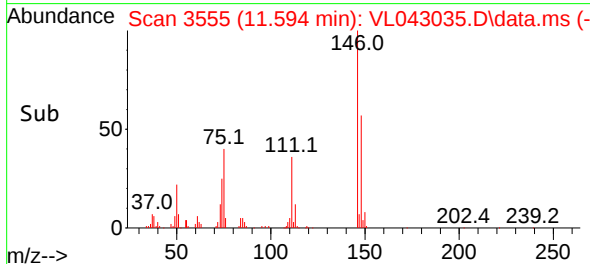
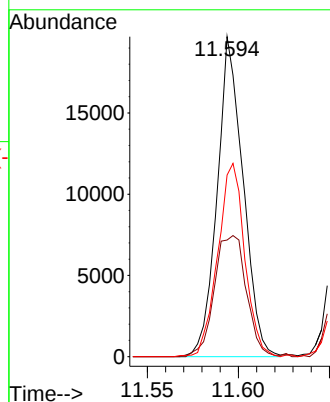
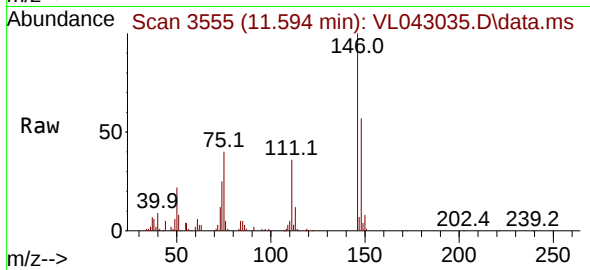
VSTDICC0.5

Tgt Ion:146	Resp:	1950
Ion Ratio	Lower	Upper
146	100	
111	46.8	22.6 67.7
148	62.7	31.9 95.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025



#76

1,4-Dichlorobenzene

Concen: 0.452 ppbv

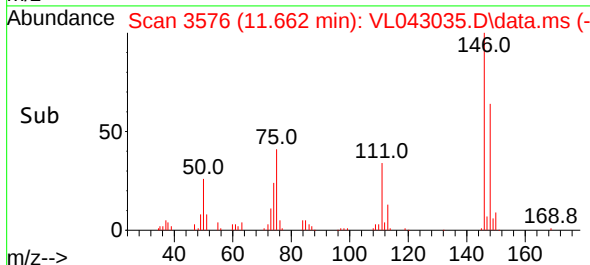
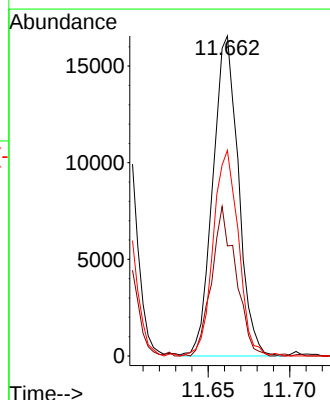
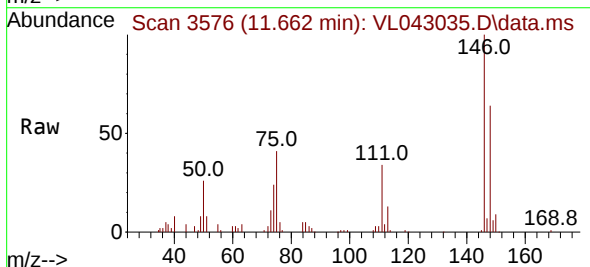
RT: 11.662 min Scan# 3576

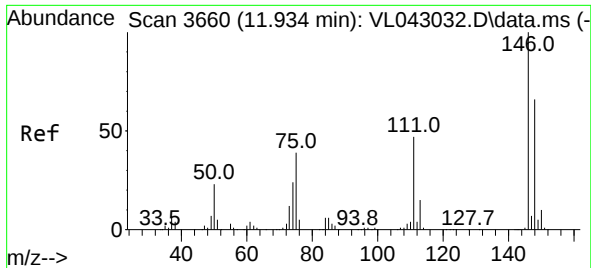
Delta R.T. 0.003 min

Lab File: VL043035.D

Acq: 02 Oct 2025 12:02

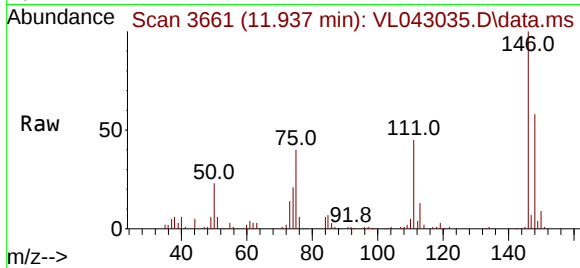
Tgt Ion:146	Resp:	18048
Ion Ratio	Lower	Upper
146	100	
111	44.6	21.7 65.1
148	63.3	32.1 96.3





#77
1,2-Dichlorobenzene
Concen: 0.494 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

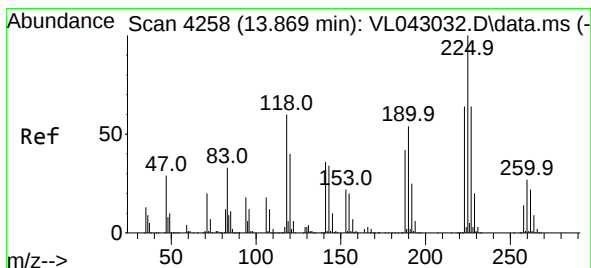
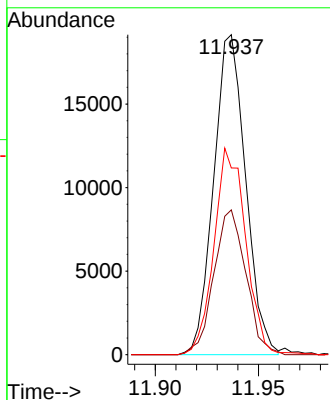
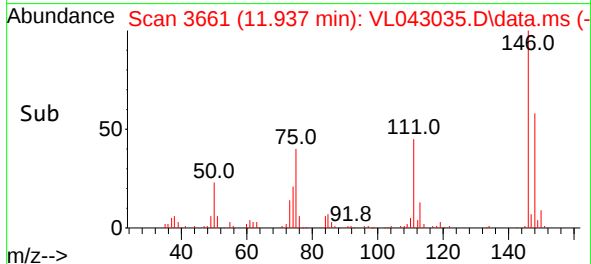
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



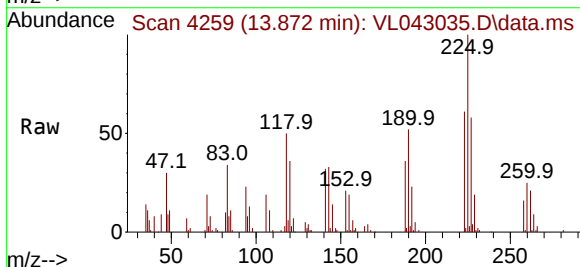
Tgt Ion:146 Resp: 2062
Ion Ratio Lower Upper
146 100
111 45.4 23.2 69.5
148 64.1 31.9 95.7

Manual Integrations
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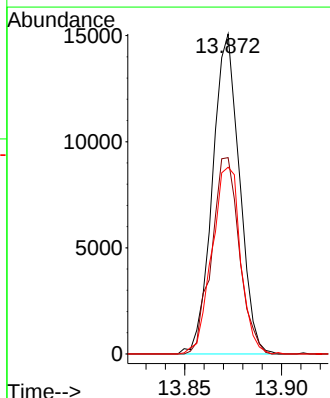
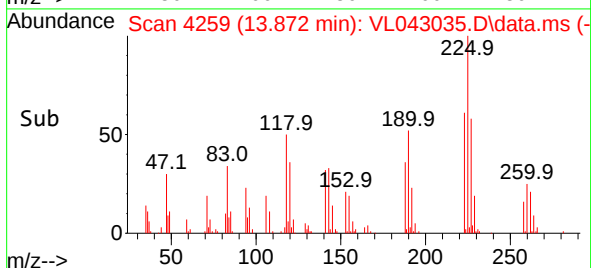
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

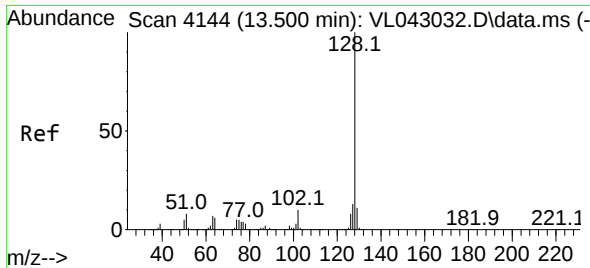


#78
Hexachloro-1,3-Butadiene
Concen: 0.502 ppbv
RT: 13.872 min Scan# 4259
Delta R.T. 0.003 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



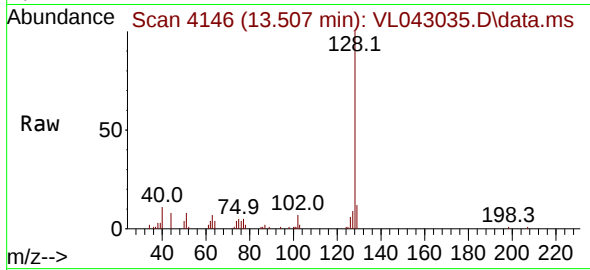
Tgt Ion:225 Resp: 14594
Ion Ratio Lower Upper
225 100
223 63.1 50.9 76.3
227 61.8 50.9 76.3





#79
Naphthalene
Concen: 0.436 ppbv
RT: 13.507 min Scan# 4144
Delta R.T. 0.007 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02

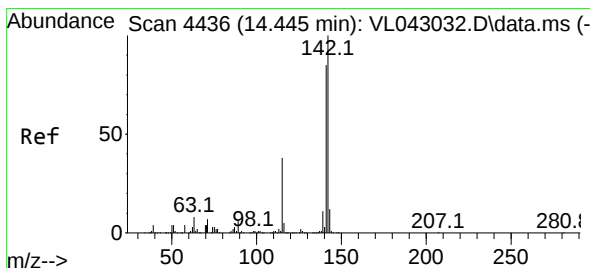
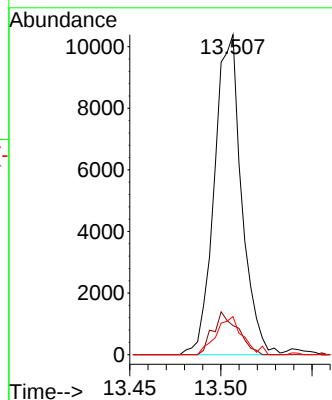
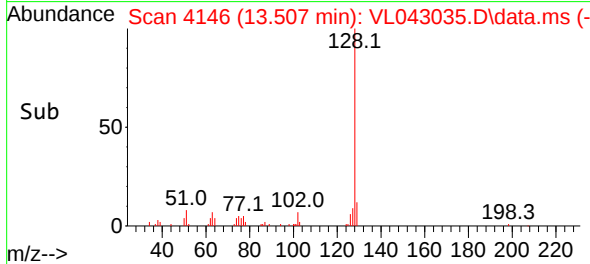
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



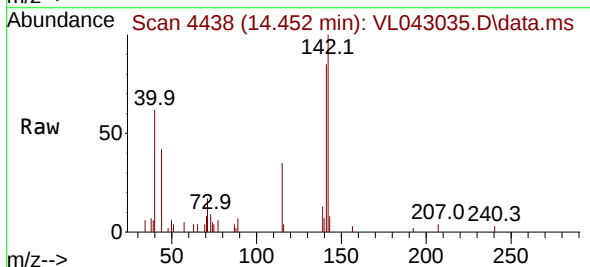
Tgt Ion:128 Resp: 10812
Ion Ratio Lower Upper
128 100
127 9.1 10.6 16.0
129 11.9 8.8 13.2

Manual Integrations
APPROVED

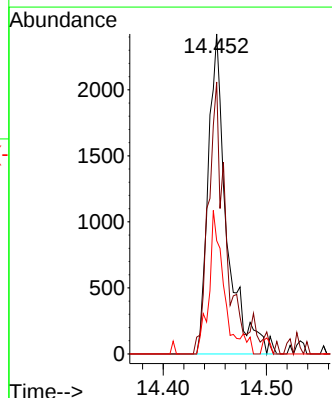
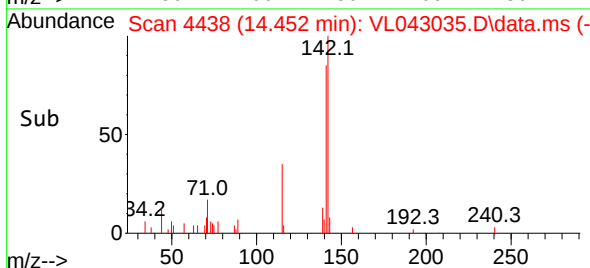
Reviewed By :Semsettin Yesilyurt 10/03/2025
Supervised By :Mahesh Dadoda 10/10/2025

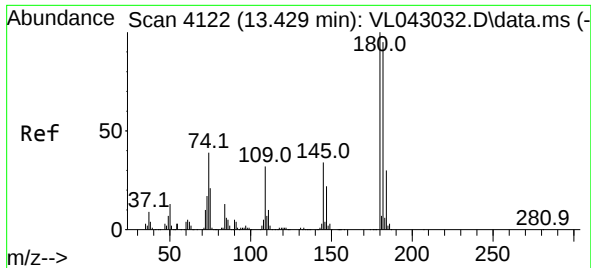


#80
Naphthalene,2-methyl-
Concen: 0.772 ppbv
RT: 14.452 min Scan# 4438
Delta R.T. 0.007 min
Lab File: VL043035.D
Acq: 02 Oct 2025 12:02



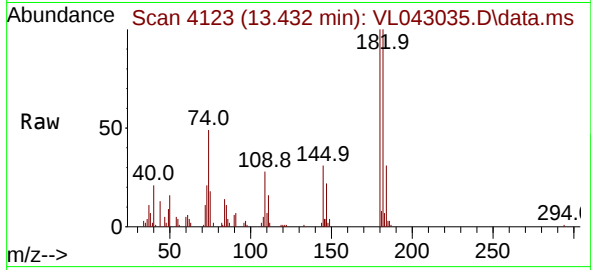
Tgt Ion:142 Resp: 3011
Ion Ratio Lower Upper
142 100
141 84.7 66.6 100.0
115 38.5 30.1 45.1





#81
 1,2,4-Trichlorobenzene
 Concen: 0.539 ppbv
 RT: 13.432 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043035.D
 Acq: 02 Oct 2025 12:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:	180	Resp:	6620
Ion Ratio	Lower	Upper	
180	100		
182	99.0	76.9	115.3
184	32.0	23.9	35.9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2025
 Supervised By :Mahesh Dadoda 10/10/2025

