

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042527.D
 Acq On : 12 May 2025 10:07
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: May 12 23:47:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Mon May 12 23:42:45 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

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

Internal Standards						
1) Bromochloromethane	2.781	49	109943	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	312995	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	265845	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 231970 10.029 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	17243	0.966	ppbv	93
3) Chlorodifluoromethane	1.470	51	18021	0.990	ppbv	99
4) Chloromethane	1.528	50	7338	1.007	ppbv	89
5) Vinyl Chloride	1.576	62	6995	0.938	ppbv	100
6) Bromomethane	1.664	94	3506	0.990	ppbv	95
7) Chloroethane	1.699	64	3333	1.136	ppbv #	86
8) Dichlorotetrafluoroethane	1.551	85	15232	0.992	ppbv	94
9) Propene	1.479	41	4688	1.186	ppbv #	1
10) Heptane	4.968	43	12679m	0.842	ppbv	
11) Trichlorofluoromethane	1.871	101	16718	0.974	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.133	101	13472	0.977	ppbv	100
13) Ethanol	1.719	45	1228m	1.138	ppbv	
14) Bromoethene	1.777	108	5081	1.010	ppbv #	98
15) Acetone	1.832	43	18790	1.070	ppbv	95
16) 1,3-Butadiene	1.606	39	7620	0.965	ppbv	100
17) tert-Butyl alcohol	2.039	59	16785	1.034	ppbv	95
18) 1,1-Dichloroethene	2.030	96	5957	0.985	ppbv	89
19) Isopropyl Alcohol	1.884	45	9238	0.968	ppbv #	95
20) Methylene Chloride	2.055	84	6343	1.037	ppbv	95
21) Allyl Chloride	2.091	41	12028	1.034	ppbv	100
22) trans-1,2-Dichloroethene	2.334	96	7150	1.011	ppbv	95
23) Vinyl Acetate	2.457	43	16789	0.913	ppbv #	90
24) 1,1-Dichloroethane	2.402	63	13728	1.003	ppbv	97
25) Ethyl Acetate	2.832	43	28045	0.909	ppbv	98
26) Hexane	2.819	57	11972	0.945	ppbv	95
27) Carbon Disulfide	2.146	76	16011	0.979	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	6789	0.965	ppbv	93
29) Chloroform	2.842	83	26959	1.026	ppbv	87
30) Cyclohexane	3.845	84	8805m	0.847	ppbv	
31) cis-1,2-Dichloroethene	2.716	61	13267	0.928	ppbv	90
32) 1,1,1-Trichloroethane	3.360	97	25297	0.955	ppbv	96
34) 2-Butanone	2.554	43	20174	0.978	ppbv	100
35) Carbon Tetrachloride	3.755	117	27182	0.966	ppbv	96
36) Benzene	3.648	78	26465	0.954	ppbv	95
37) 1,2-Dichloroethane	3.208	62	20039	1.013	ppbv	98
38) Trichloroethene	4.541	130	11026m	0.930	ppbv	
39) 1,2-Dichloropropane	4.308	63	10363m	1.004	ppbv	
40) 1,4-Dioxane	4.596	88	3834m	0.931	ppbv	
41) Tetrahydrofuran	3.056	42	7944	0.893	ppbv	97
42) Bromodichloromethane	4.480	83	25549m	0.969	ppbv	
43) Methyl Methacrylate	4.875	69	8149m	0.880	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	41666m	0.956	ppbv	
45) t-1,3-Dichloropropene	6.399	75	10716m	0.906	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 12 23:47:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

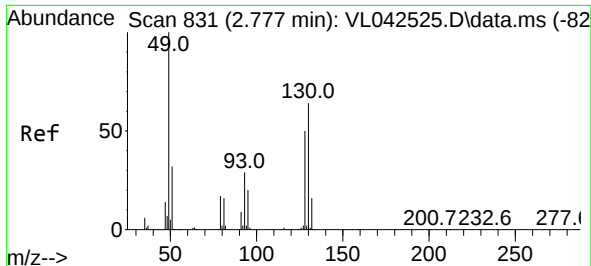
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon May 12 23:42:45 2025

Response via : Initial Calibration

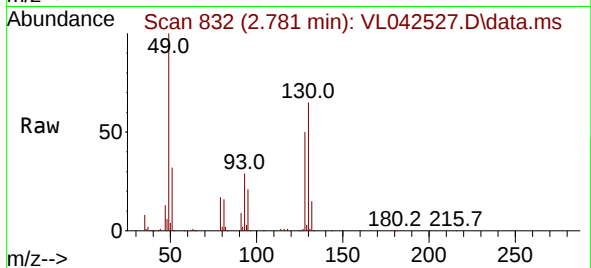
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.580	75	12616m	0.884	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	11636m	0.957	ppbv	
48) Dibromochloromethane	7.377	129	19761	0.973	ppbv	97
49) Bromoform	9.474	173	15745	0.944	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	21720m	0.898	ppbv	
51) 2-Hexanone	7.428	43	14649m	0.815	ppbv	
52) Tetrachloroethene	8.218	164	9912m	0.928	ppbv	
53) Toluene	6.923	91	22892m	0.841	ppbv	
54) 1,2-Dibromoethane	7.642	107	16971m	0.955	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.914	131	16650	1.010	ppbv #	1
57) Chlorobenzene	8.914	112	25980	0.973	ppbv	94
58) Ethyl Benzene	9.348	91	28807m	0.795	ppbv	
59) m/p-Xylene	9.542	91	54644m	1.695	ppbv	
60) o-Xylene	9.956	91	26834	0.854	ppbv	95
61) Styrene	9.862	104	9259	0.800	ppbv	97
62) Isopropylbenzene	10.532	105	41504	0.877	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.956	83	23419	0.930	ppbv	99
64) n-propylbenzene	10.985	120	10433	0.870	ppbv	93
65) tert-Butylbenzene	11.526	119	38176	0.878	ppbv	96
66) Benzyl Chloride	11.607	91	4826	0.839	ppbv #	93
67) sec-Butylbenzene	11.762	105	56638	0.909	ppbv	97
69) p-Isopropyltoluene	11.921	119	44406	0.867	ppbv	96
70) n-Butylbenzene	12.277	91	41878	0.827	ppbv	97
71) 2-Chlorotoluene	10.898	91	30070	0.839	ppbv	98
72) 4-Ethyltoluene	11.121	105	33030	0.847	ppbv #	97
73) 1,3,5-Trimethylbenzene	11.199	105	29442	0.867	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	40544	0.970	ppbv	91
75) 1,3-Dichlorobenzene	11.600	146	26018	0.994	ppbv	97
76) 1,4-Dichlorobenzene	11.665	146	23564	0.947	ppbv	98
77) 1,2-Dichlorobenzene	11.940	146	26975	0.998	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	23824	1.028	ppbv	98
79) Naphthalene	13.510	128	24409	0.846	ppbv #	95
80) Naphthalene,2-methyl-	14.455	142	9088	0.541	ppbv	97
81) 1,2,4-Trichlorobenzene	13.436	180	14600	0.829	ppbv	96

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 831
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

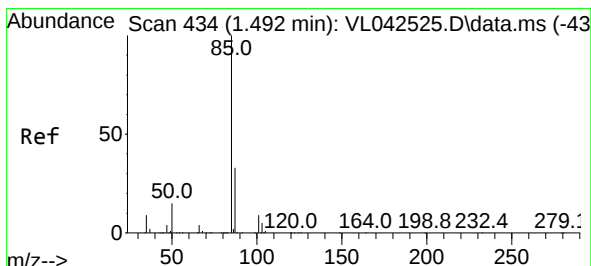
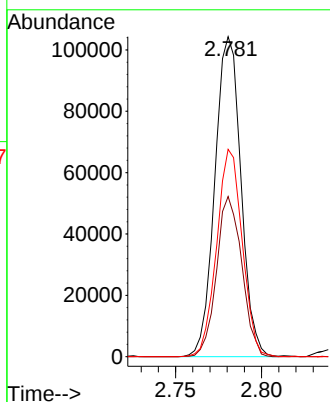
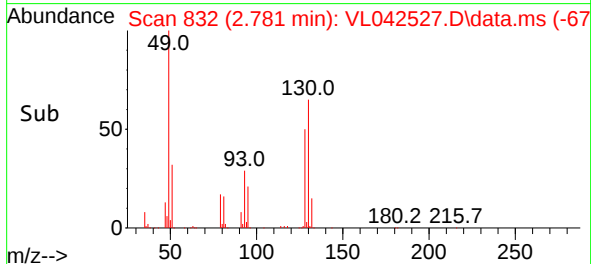
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 49 Resp: 10994
Ion Ratio Lower Upper
49 100
128 48.5 24.9 74.6
130 63.6 32.5 97.5

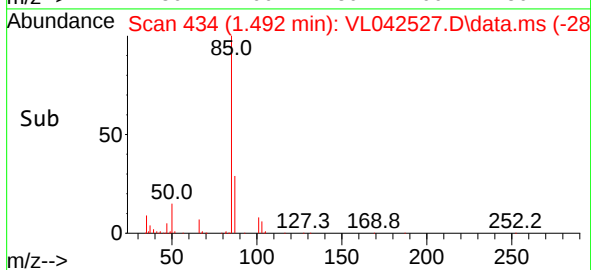
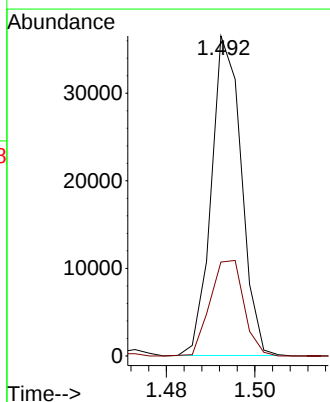
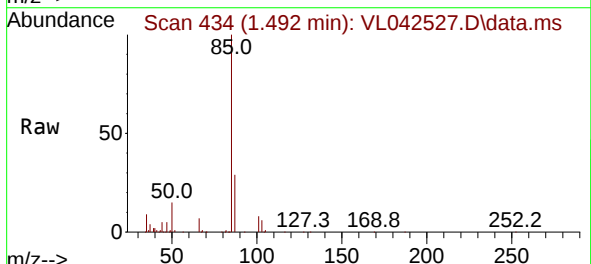
Manual Integrations
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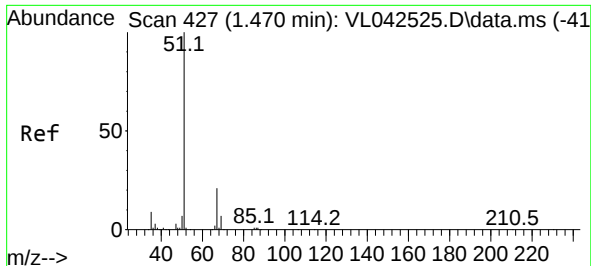
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#2
Dichlorodifluoromethane
Concen: 0.966 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion: 85 Resp: 17243
Ion Ratio Lower Upper
85 100
87 29.4 26.8 40.2





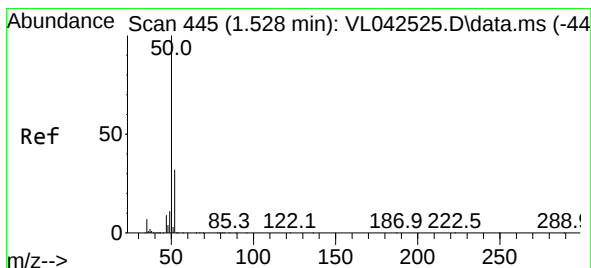
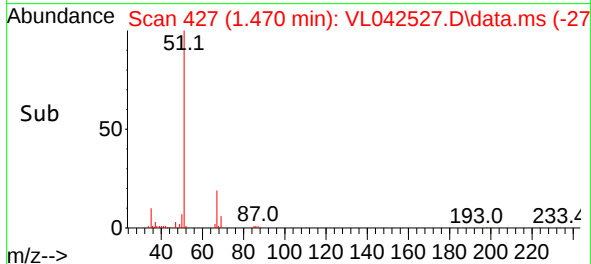
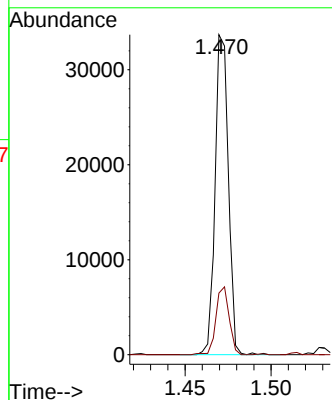
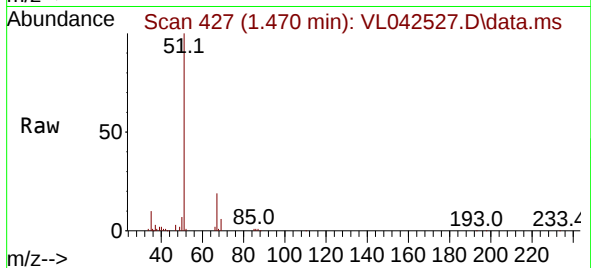
#3
Chlorodifluoromethane
Concen: 0.990 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 1802
Ion Ratio Lower Upper
51 100
67 21.2 17.4 26.0

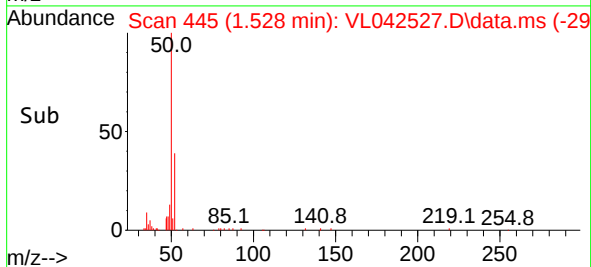
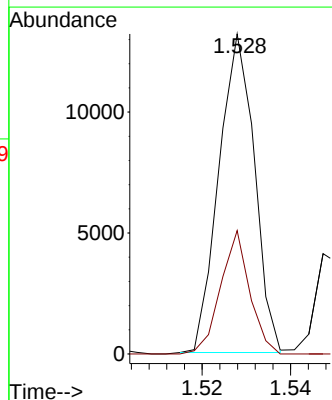
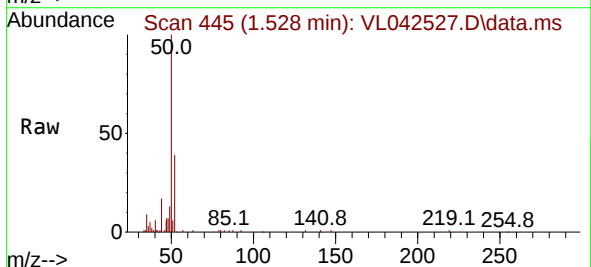
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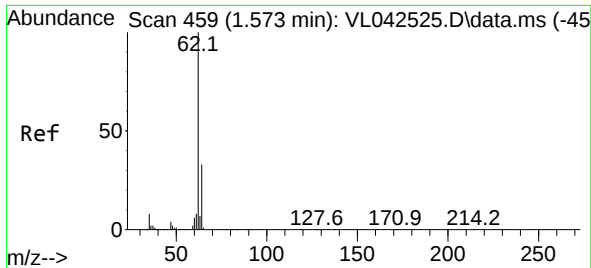
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#4
Chloromethane
Concen: 1.007 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion: 50 Resp: 7338
Ion Ratio Lower Upper
50 100
52 38.7 25.9 38.9





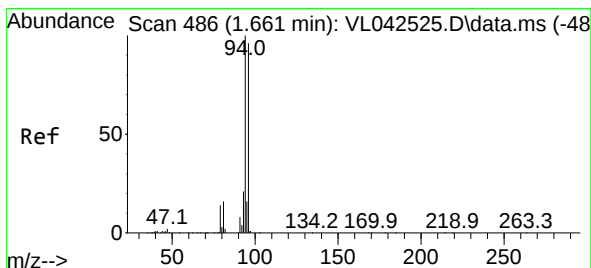
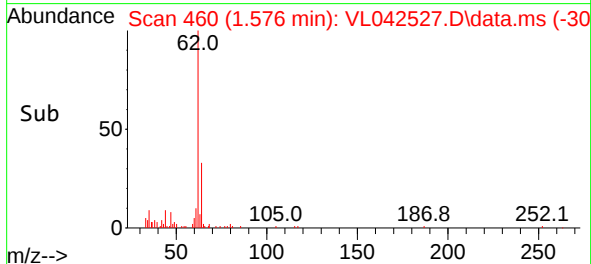
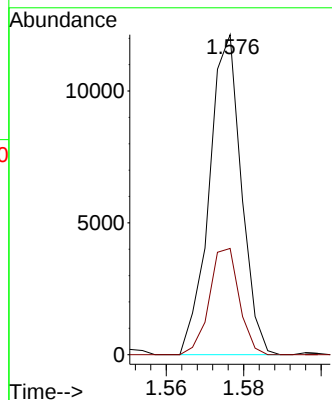
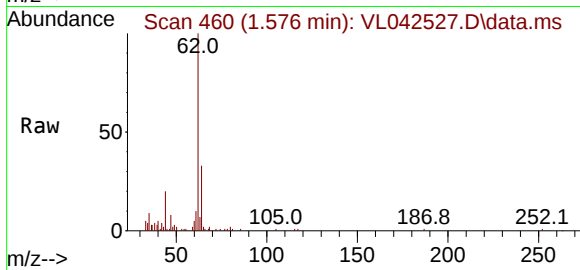
#5
 Vinyl Chloride
 Concen: 0.938 ppbv
 RT: 1.576 min Scan# 459
 Delta R.T. 0.003 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 62 Resp: 6998
 Ion Ratio Lower Upper
 62 100
 64 33.2 26.5 39.7

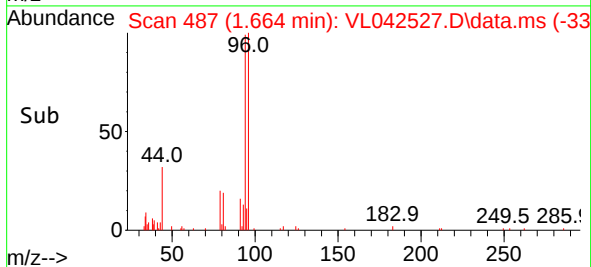
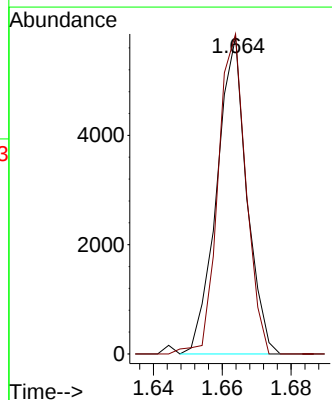
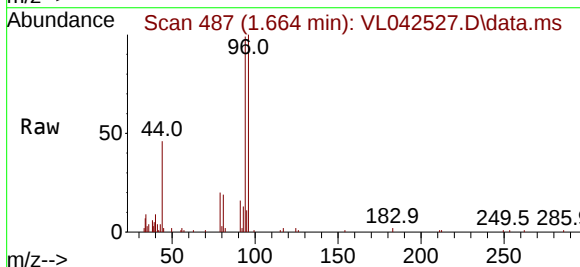
Manual Integrations
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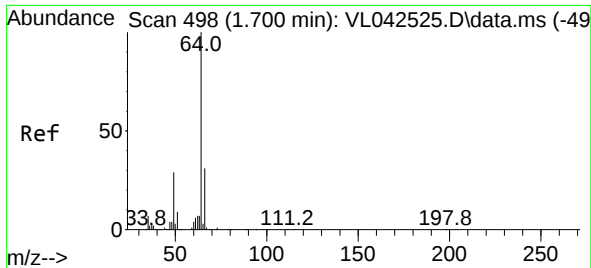
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#6
 Bromomethane
 Concen: 0.990 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. 0.003 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Tgt Ion: 94 Resp: 3506
 Ion Ratio Lower Upper
 94 100
 96 100.9 76.9 115.3





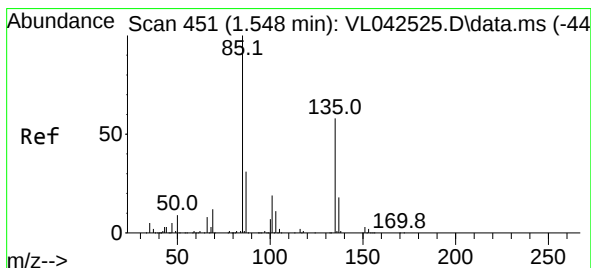
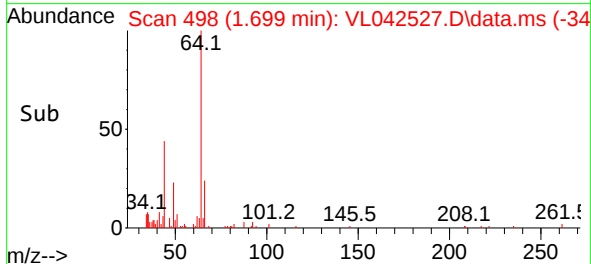
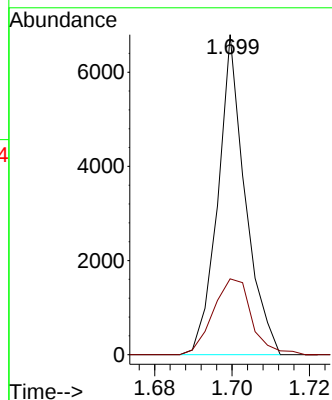
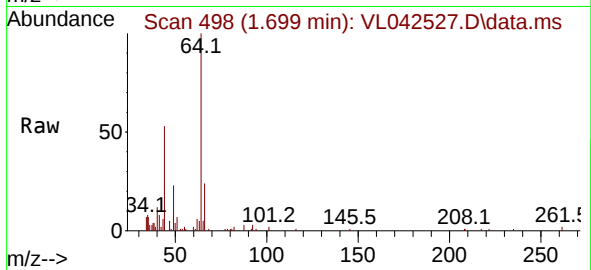
#7
Chloroethane
Concen: 1.136 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 333
Ion Ratio Lower Upper
64 100
66 23.7 25.1 37.7

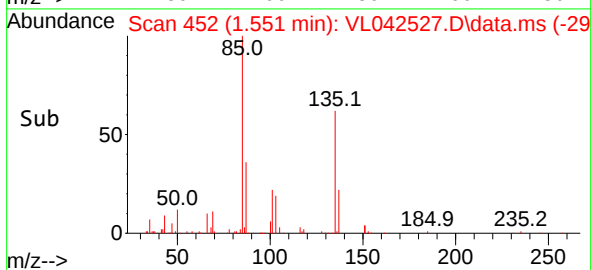
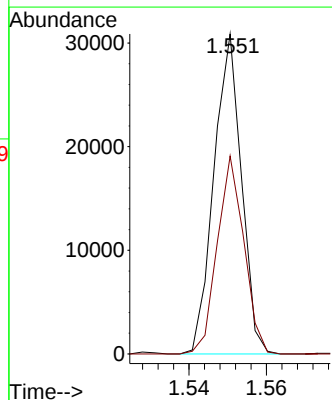
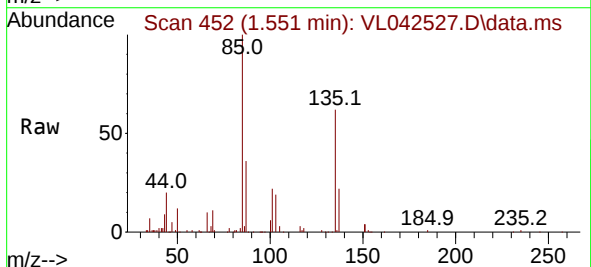
Manual Integrations
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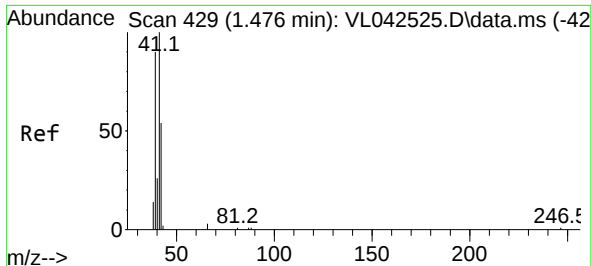
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#8
Dichlorotetrafluoroethane
Concen: 0.992 ppbv
RT: 1.551 min Scan# 452
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion: 85 Resp: 15232
Ion Ratio Lower Upper
85 100
135 60.0 51.8 77.8





#9

Propene

Concen: 1.186 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 468

Ion Ratio Lower Upper

41 100

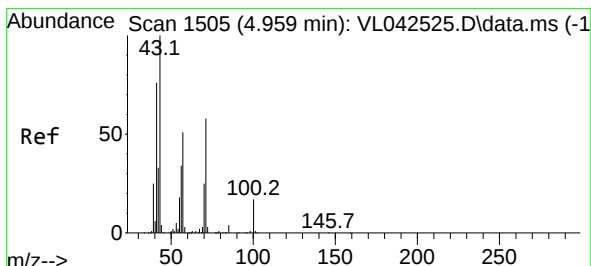
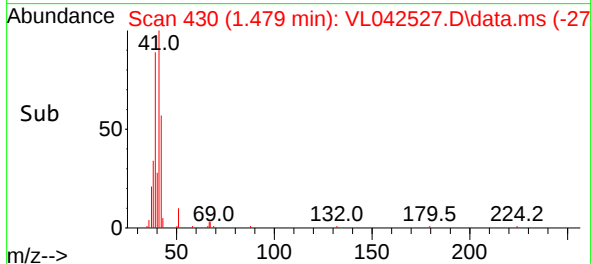
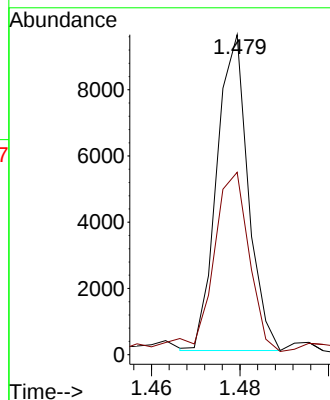
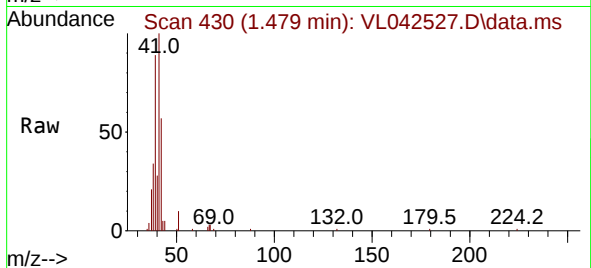
42 78.8 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#10

Heptane

Concen: 0.842 ppbv m

RT: 4.968 min Scan# 1508

Delta R.T. 0.010 min

Lab File: VL042527.D

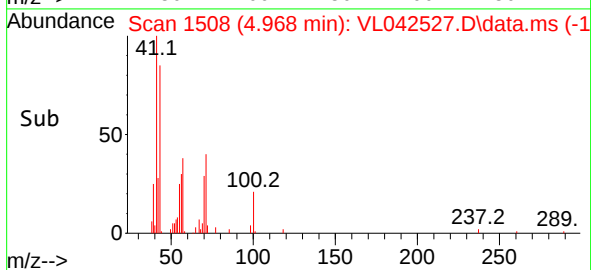
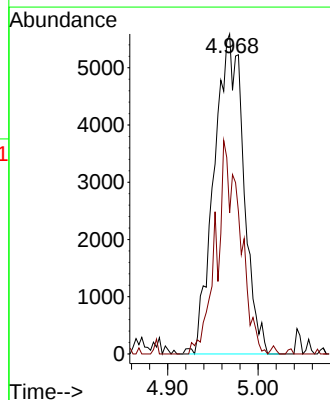
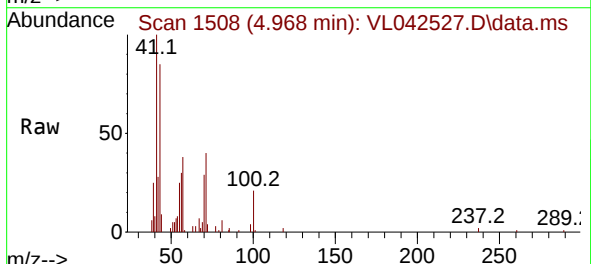
Acq: 12 May 2025 10:07

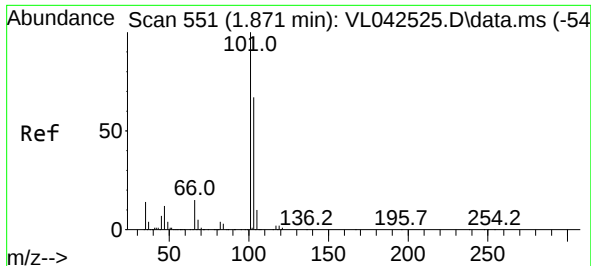
Tgt Ion: 43 Resp: 12679

Ion Ratio Lower Upper

43 100

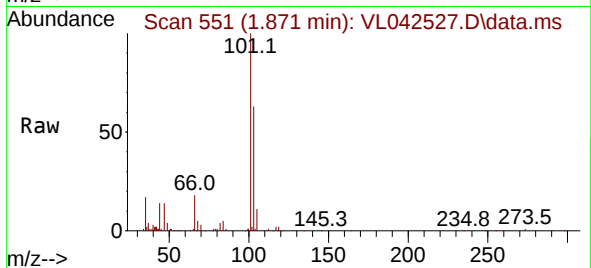
57 54.4 42.1 63.1





#11
Trichlorofluoromethane
Concen: 0.974 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

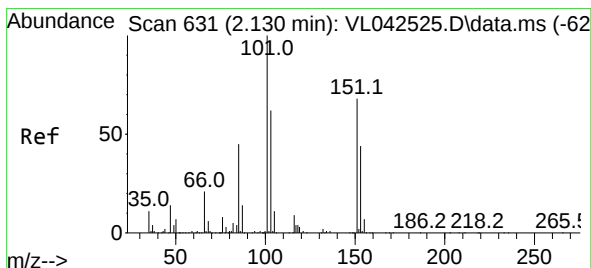
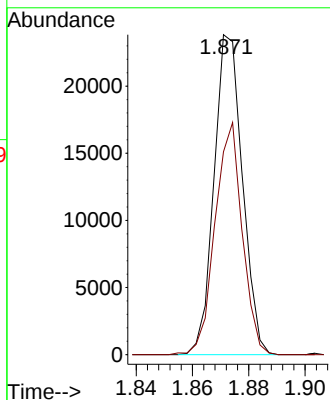
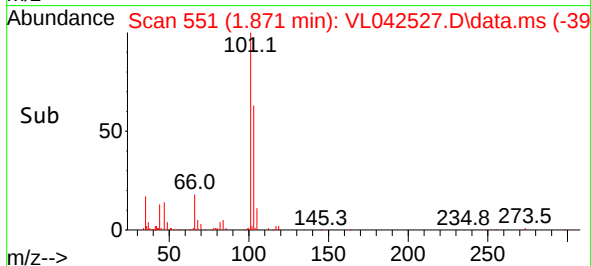
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



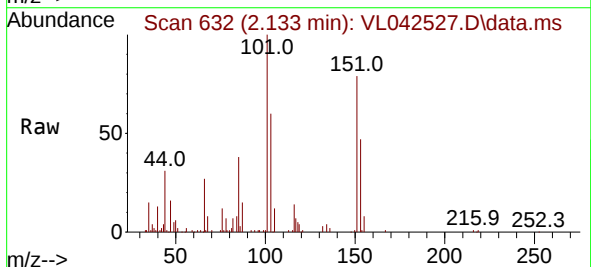
Tgt Ion:101 Resp: 16718
Ion Ratio Lower Upper
101 100
103 63.4 53.8 80.6

Manual Integrations
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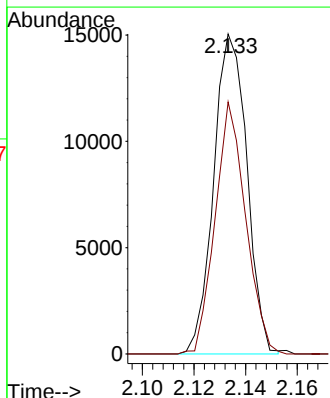
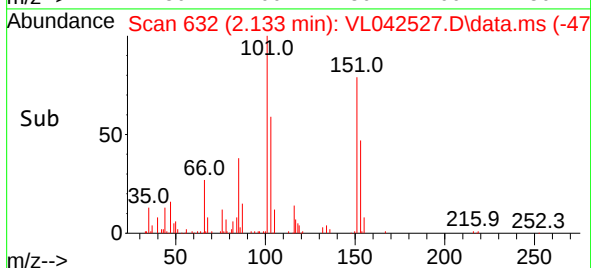
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

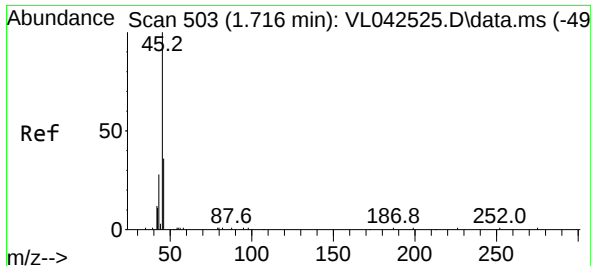


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.977 ppbv
RT: 2.133 min Scan# 632
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



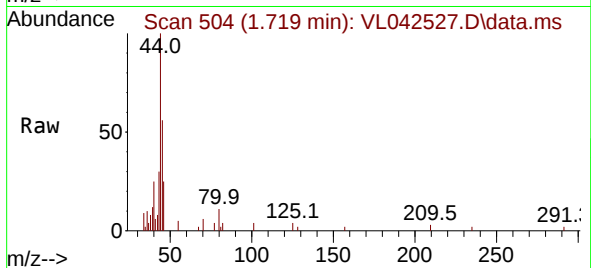
Tgt Ion:101 Resp: 13472
Ion Ratio Lower Upper
101 100
151 72.4 57.8 86.8





#13
Ethanol
Concen: 1.138 ppbv m
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

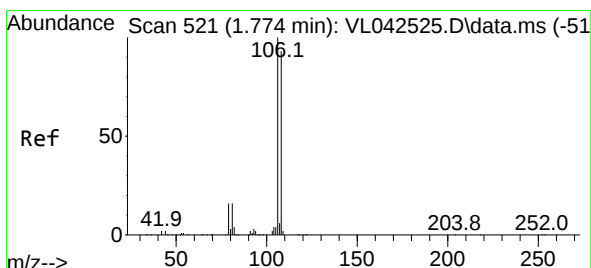
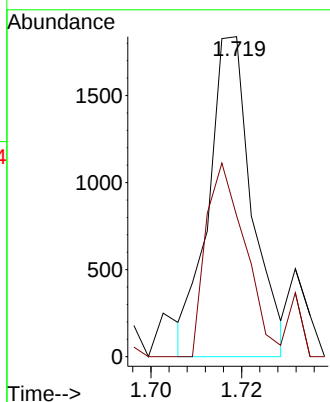
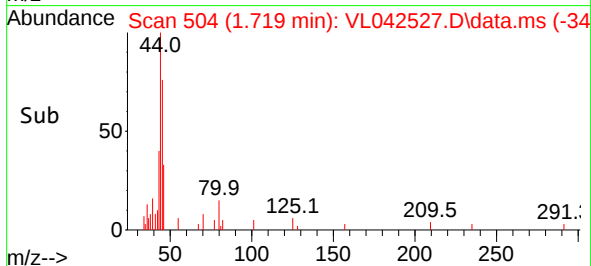
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 45 Resp: 1228
Ion Ratio Lower Upper
45 100
46 61.6 14.8 59.4

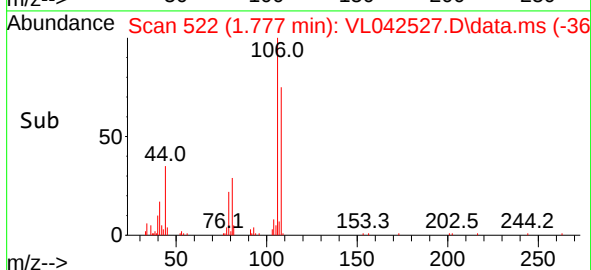
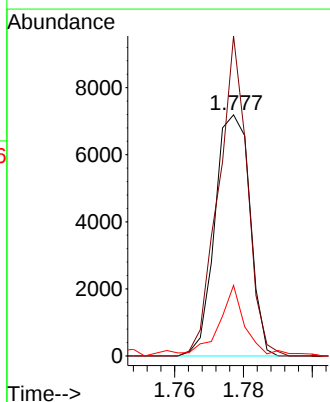
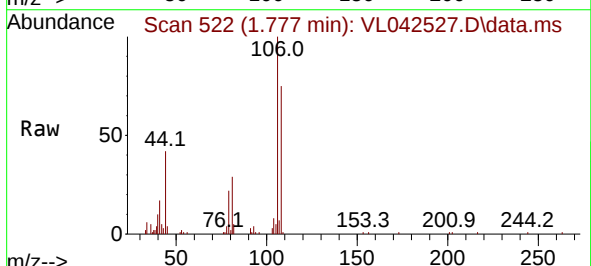
Manual Integrations
APPROVED

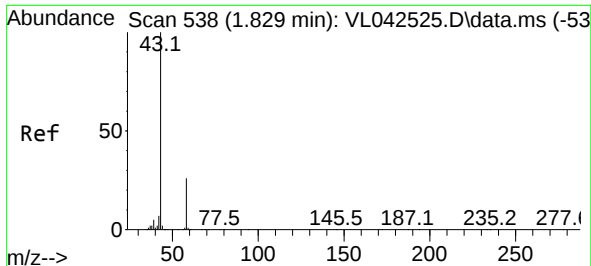
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#14
Bromoethene
Concen: 1.010 ppbv
RT: 1.777 min Scan# 522
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

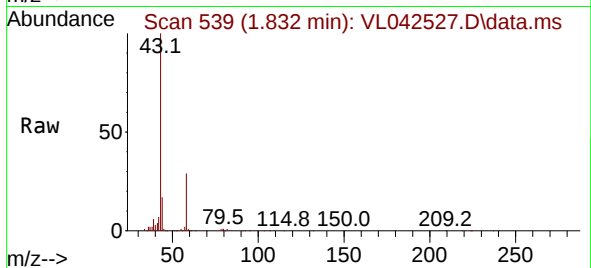
Tgt Ion:108 Resp: 5081
Ion Ratio Lower Upper
108 100
106 109.3 87.4 131.2
79 25.5 15.1 22.7





#15
Acetone
Concen: 1.070 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

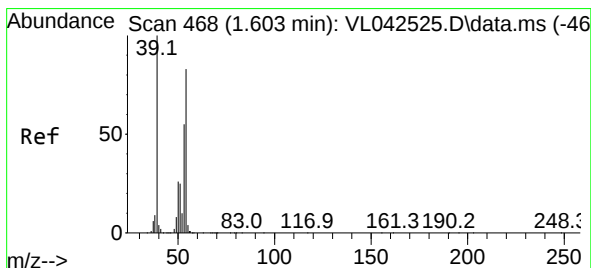
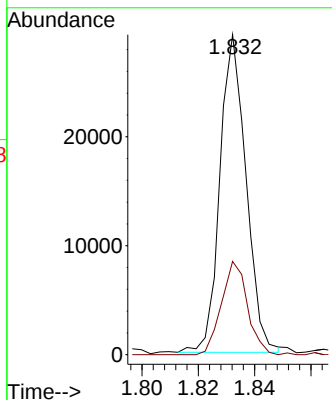
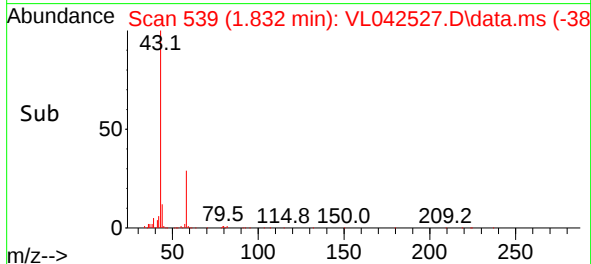
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



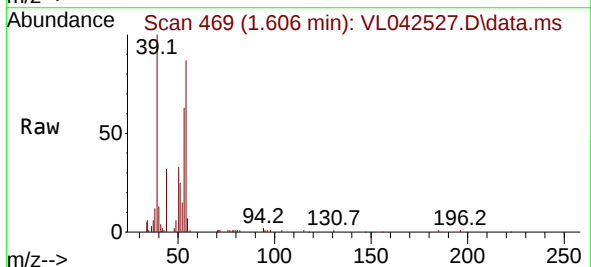
Tgt Ion: 43 Resp: 18790
Ion Ratio Lower Upper
43 100
58 29.3 21.3 31.9

Manual Integrations
APPROVED

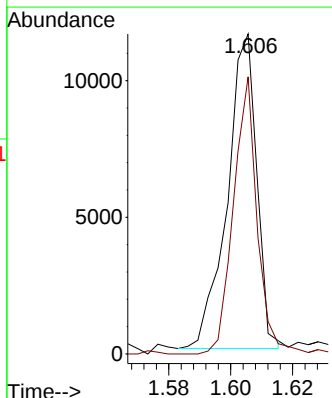
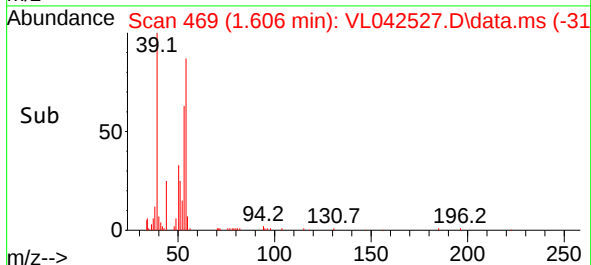
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

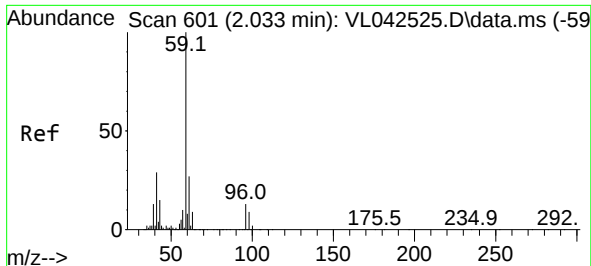


#16
1,3-Butadiene
Concen: 0.965 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



Tgt Ion: 39 Resp: 7620
Ion Ratio Lower Upper
39 100
54 72.2 57.8 86.6





#17

tert-Butyl alcohol

Concen: 1.034 ppbv

RT: 2.039 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 59 Resp: 1678

Ion Ratio Lower Upper

59 100

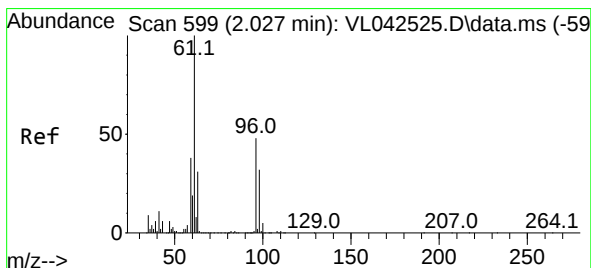
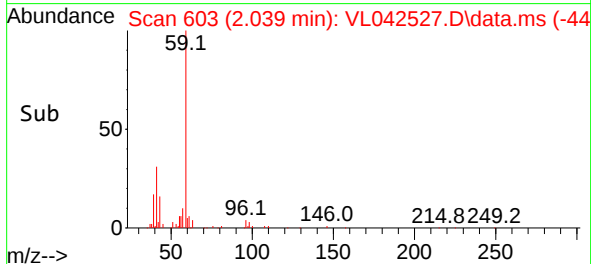
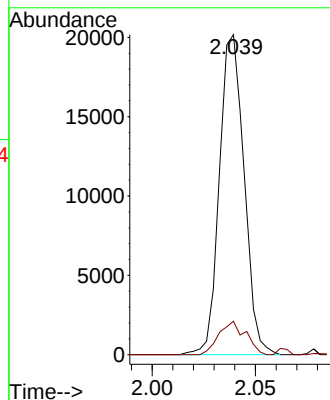
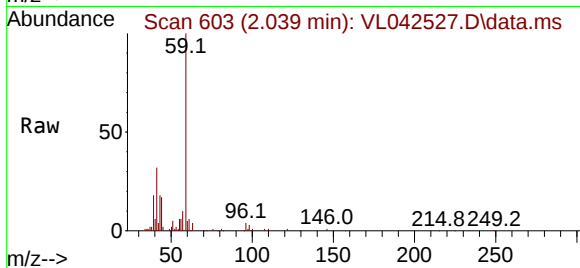
57 12.1 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#18

1,1-Dichloroethene

Concen: 0.985 ppbv

RT: 2.030 min Scan# 600

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

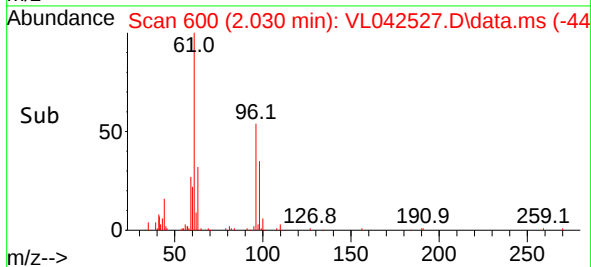
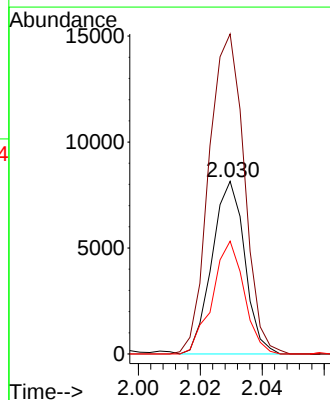
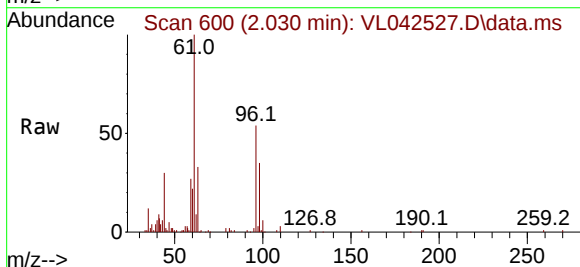
Tgt Ion: 96 Resp: 5957

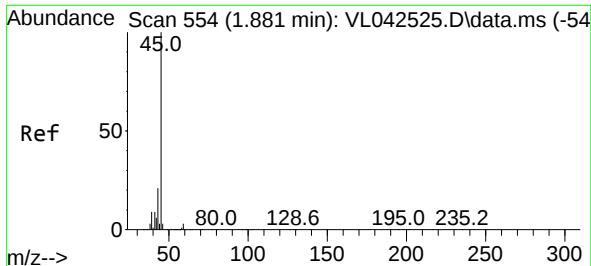
Ion Ratio Lower Upper

96 100

61 184.1 165.0 247.4

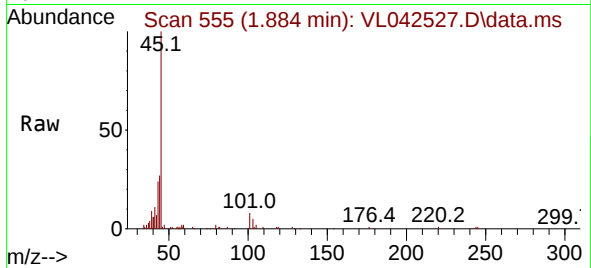
98 65.3 52.6 79.0





#19
Isopropyl Alcohol
Concen: 0.968 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

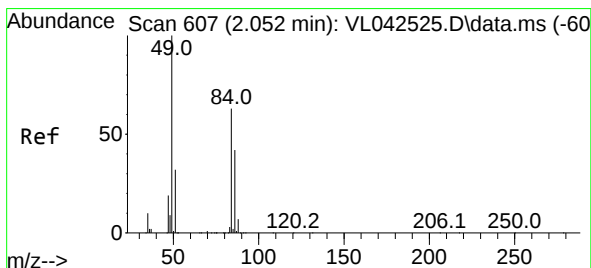
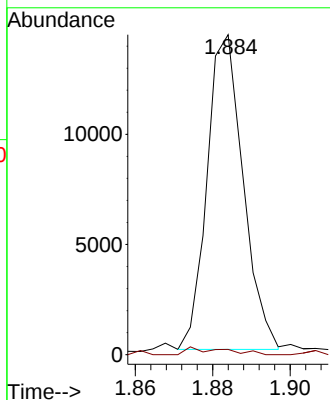
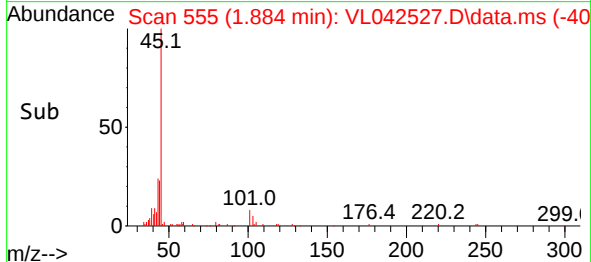
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



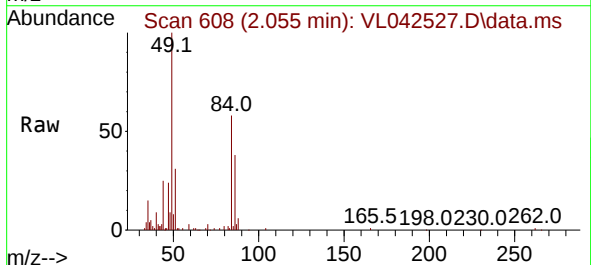
Tgt Ion: 45 Resp: 9238
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3

Manual Integrations
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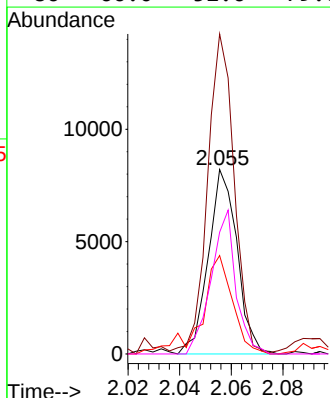
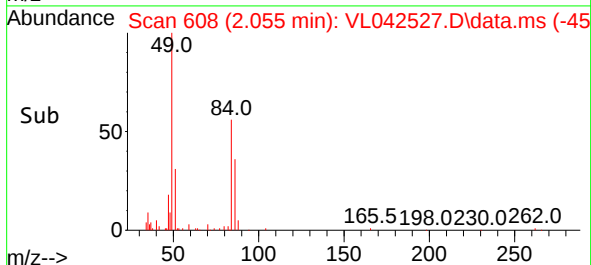
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

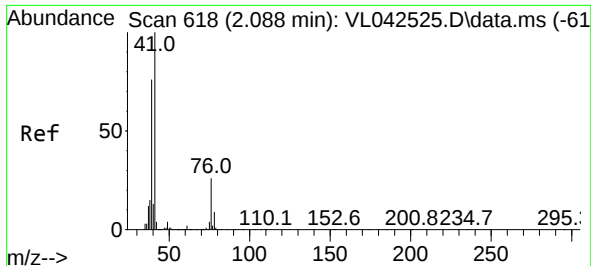


#20
Methylene Chloride
Concen: 1.037 ppbv
RT: 2.055 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



Tgt Ion: 84 Resp: 6343
Ion Ratio Lower Upper
84 100
49 171.7 128.2 192.4
51 52.3 41.7 62.5
86 66.0 52.6 79.0





#21

Allyl Chloride

Concen: 1.034 ppbv

RT: 2.091 min Scan# 618

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

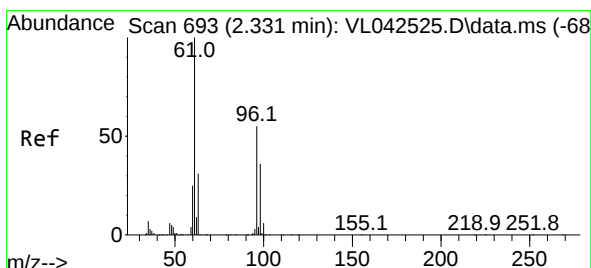
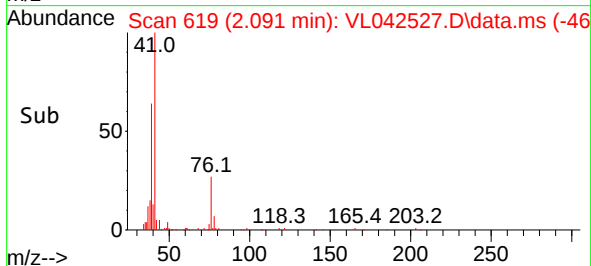
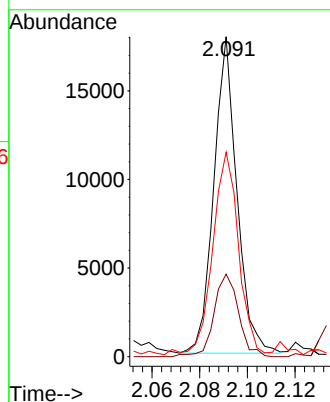
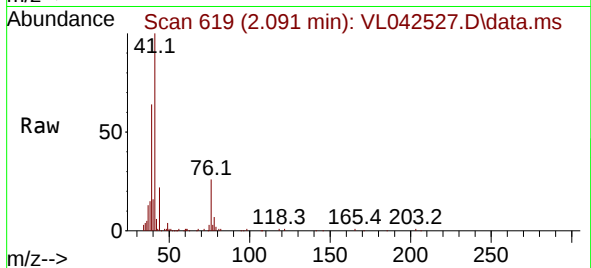
VSTDIC001

Tgt Ion:	41	Resp:	12028
Ion Ratio	Lower	Upper	
41	100		
76	27.5	22.0	33.0
39	74.6	59.5	89.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#22

trans-1,2-Dichloroethene

Concen: 1.011 ppbv

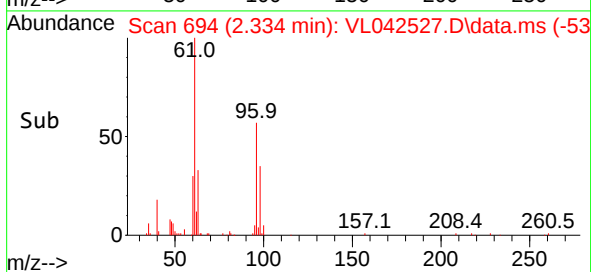
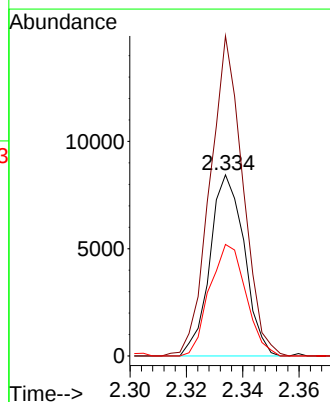
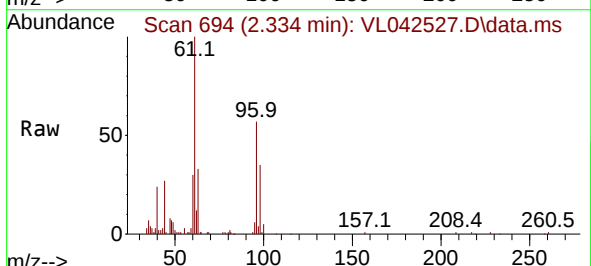
RT: 2.334 min Scan# 694

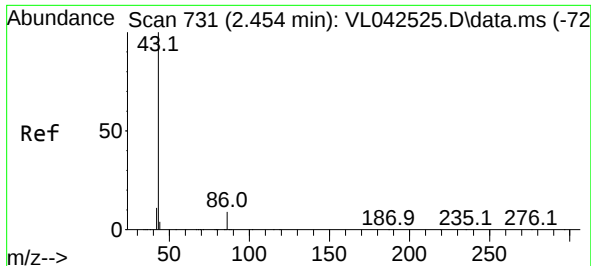
Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Tgt Ion:	96	Resp:	7150
Ion Ratio	Lower	Upper	
96	100		
61	175.3	145.9	218.9
98	61.6	52.2	78.4





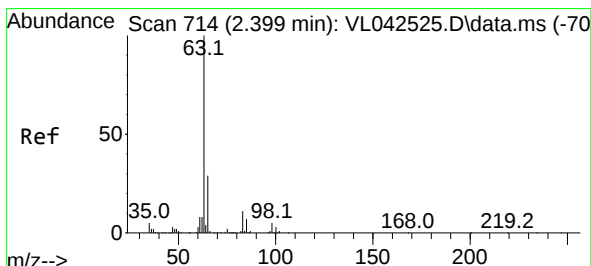
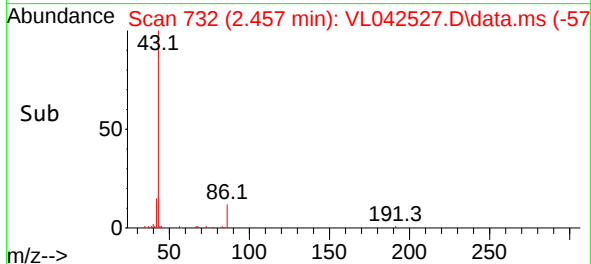
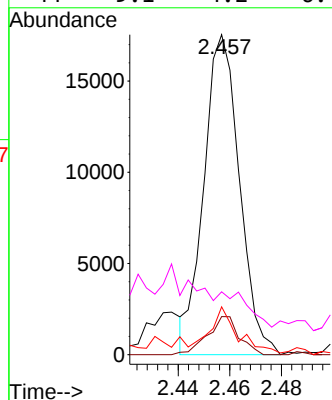
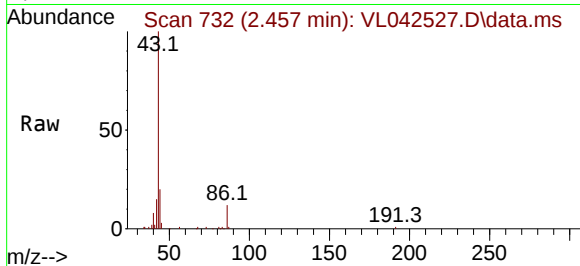
#23
 Vinyl Acetate
 Concen: 0.913 ppbv
 RT: 2.457 min Scan# 714
 Delta R.T. 0.003 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 43 Resp: 16789
 Ion Ratio Lower Upper
 43 100
 86 11.9 6.8 10.2
 42 14.4 8.8 13.2
 44 9.1 4.2 6.4

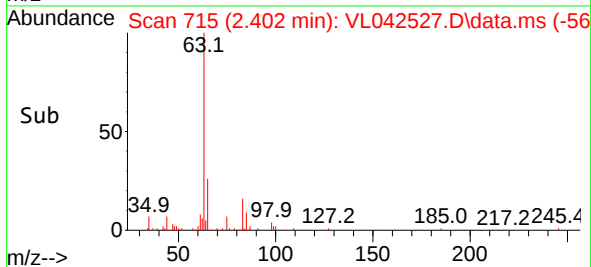
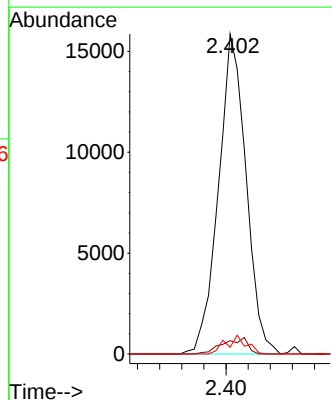
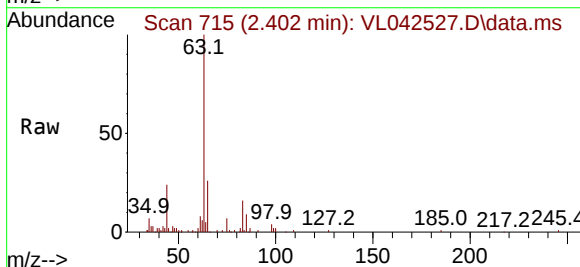
Manual Integrations
 APPROVED

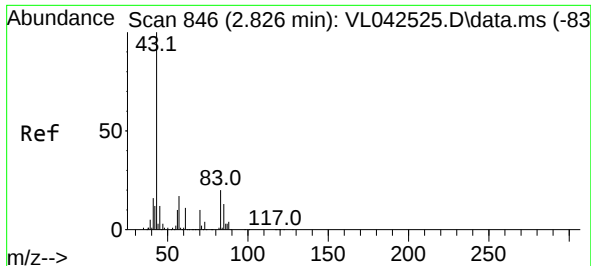
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#24
 1,1-Dichloroethane
 Concen: 1.003 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Tgt Ion: 63 Resp: 13728
 Ion Ratio Lower Upper
 63 100
 98 4.2 2.6 8.0
 100 2.1 1.4 4.2





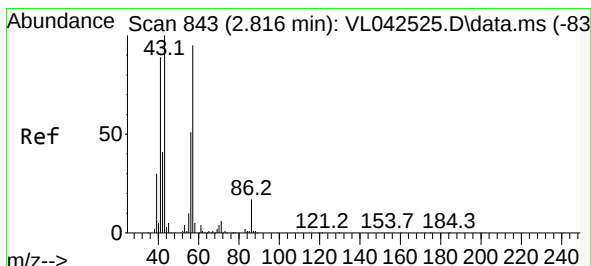
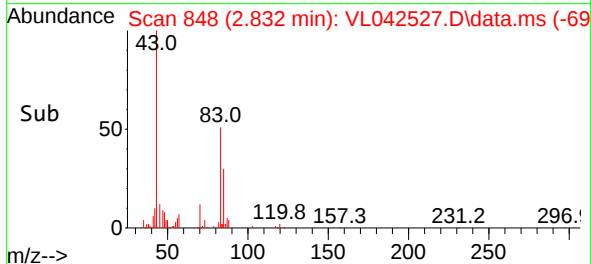
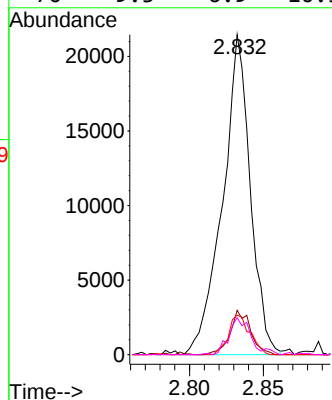
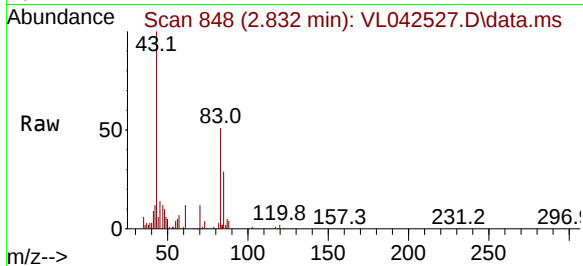
#25
Ethyl Acetate
Concen: 0.909 ppbv
RT: 2.832 min Scan# 846
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43	Resp: 2804
Ion Ratio	Lower Upper
43 100	
45 10.7	7.9 11.9
61 9.6	7.1 10.7
70 9.3	6.9 10.3

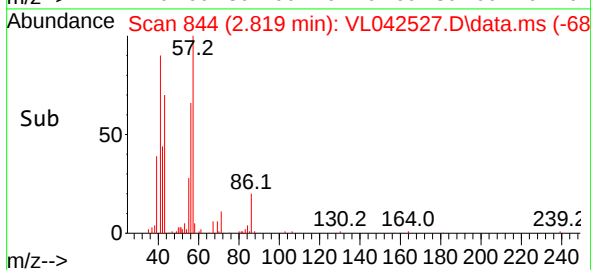
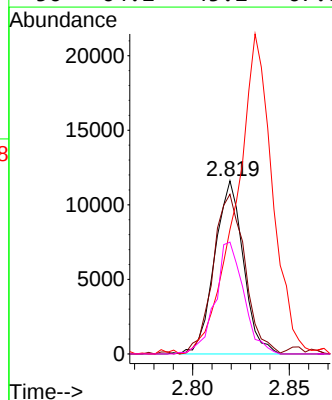
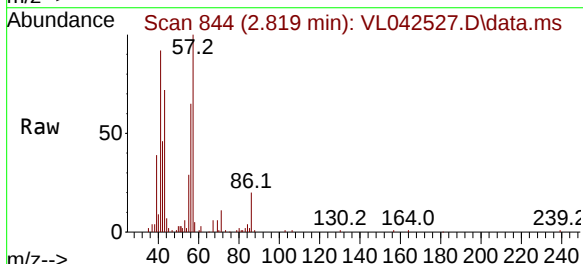
Manual Integrations
APPROVED

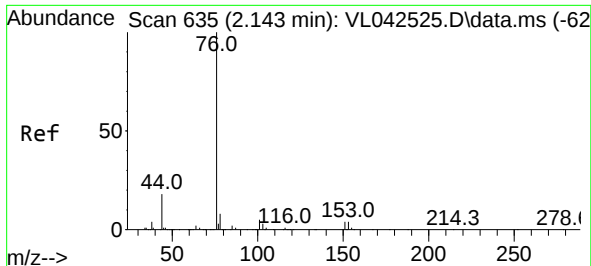
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#26
Hexane
Concen: 0.945 ppbv
RT: 2.819 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion: 57	Resp: 11972
Ion Ratio	Lower Upper
57 100	
41 106.2	76.1 114.1
43 236.9	188.9 283.3
56 64.2	45.2 67.8





#27

Carbon Disulfide

Concen: 0.979 ppbv

RT: 2.146 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

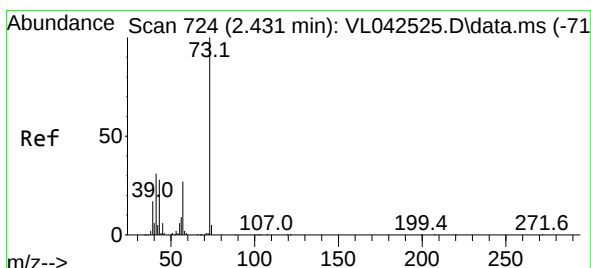
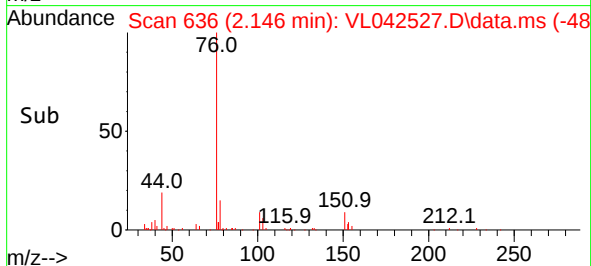
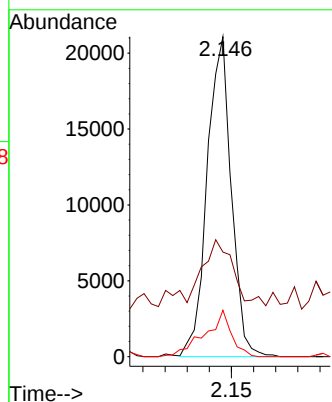
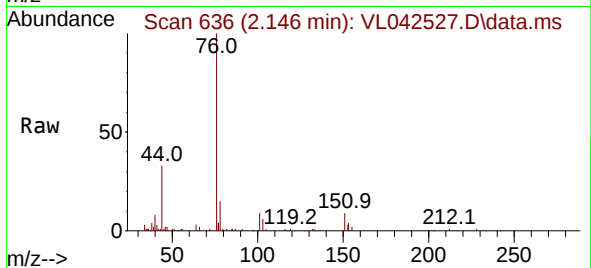
VSTDICC001

Tgt Ion: 76	Resp: 1601
Ion Ratio	Lower Upper
76	100
44	90.3 17.1 25.7
78	15.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#28

Methyl tert-Butyl Ether

Concen: 0.965 ppbv

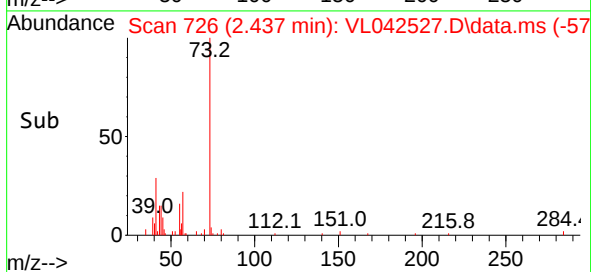
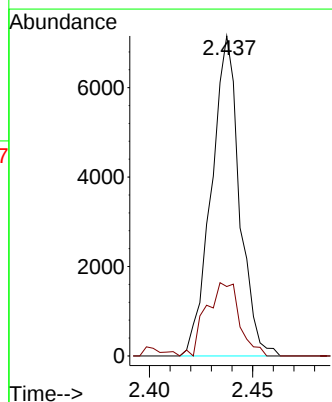
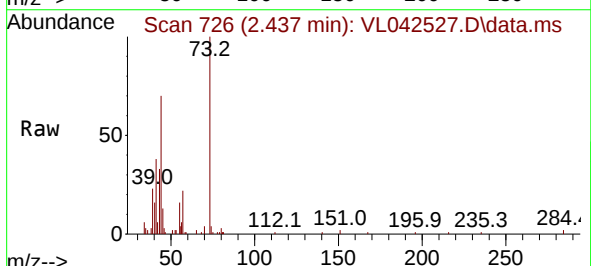
RT: 2.437 min Scan# 726

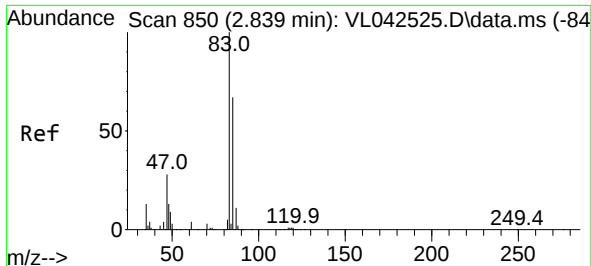
Delta R.T. 0.006 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Tgt Ion: 73	Resp: 6789
Ion Ratio	Lower Upper
73	100
57	29.1 20.3 30.5





#29

Chloroform

Concen: 1.026 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 2695

Ion Ratio Lower Upper

83 100

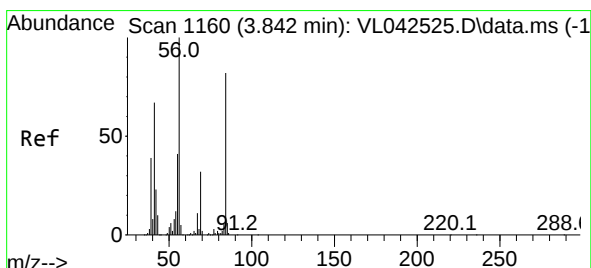
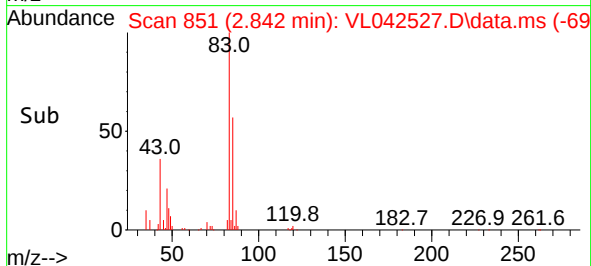
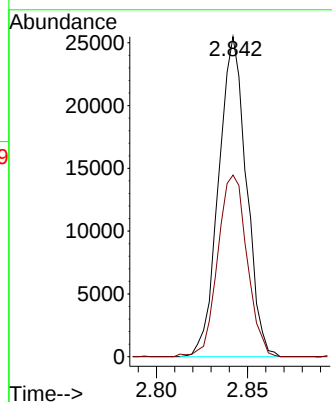
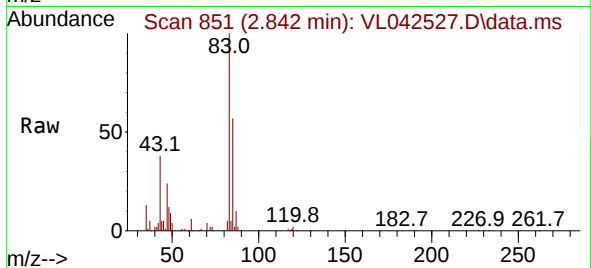
85 56.7 53.5 80.3

Manual Integrations

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Supervised By :Mahesh Dadoda 05/14/2025



#30

Cyclohexane

Concen: 0.847 ppbv m

RT: 3.845 min Scan# 1161

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

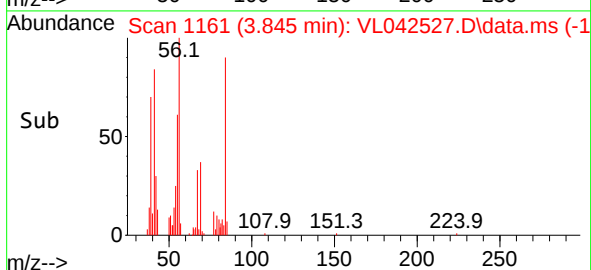
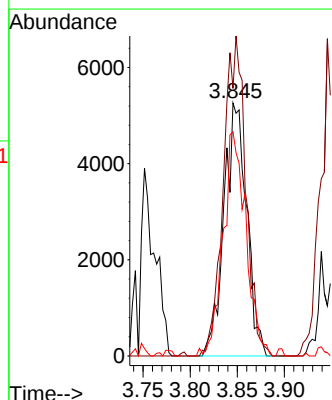
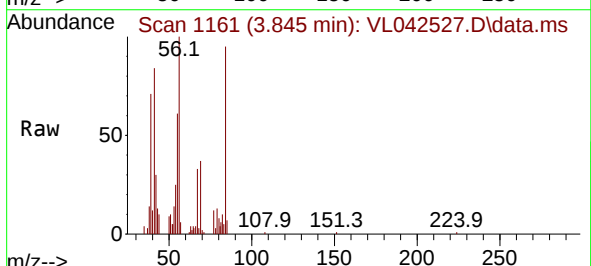
Tgt Ion: 84 Resp: 8805

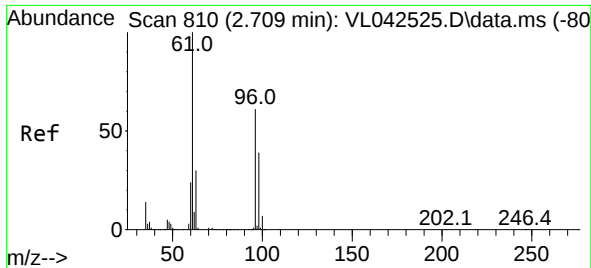
Ion Ratio Lower Upper

84 100

56 125.2 97.1 145.7

41 89.9 66.6 99.8





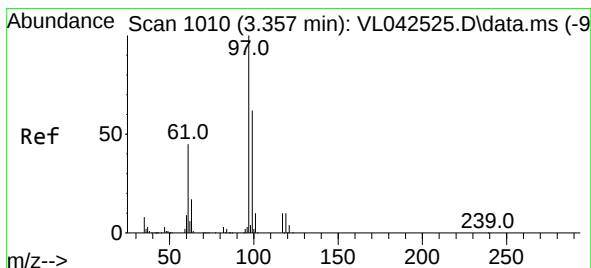
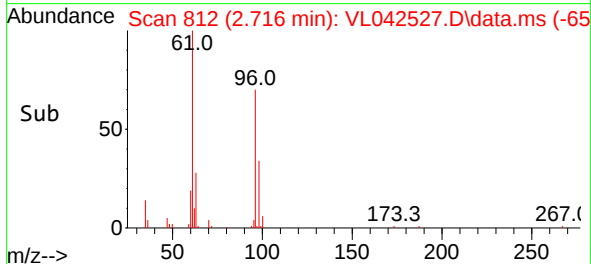
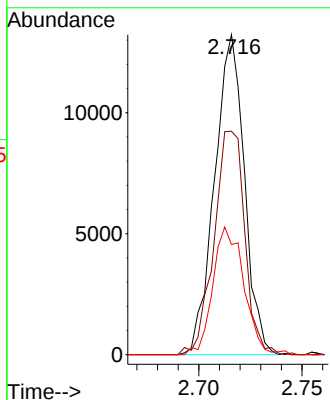
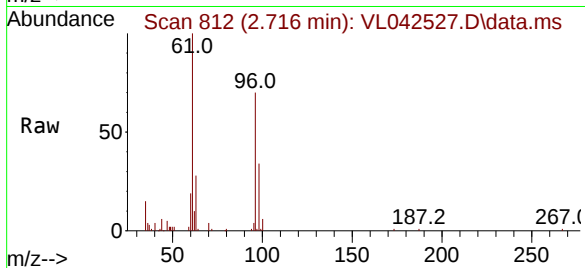
#31
 cis-1,2-Dichloroethene
 Concen: 0.928 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 61 Resp: 1326
 Ion Ratio Lower Upper
 61 100
 96 69.8 48.9 73.3
 98 34.4 31.4 47.2

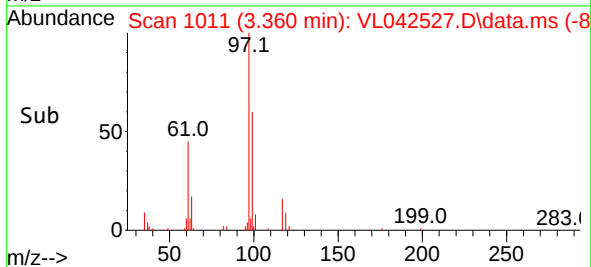
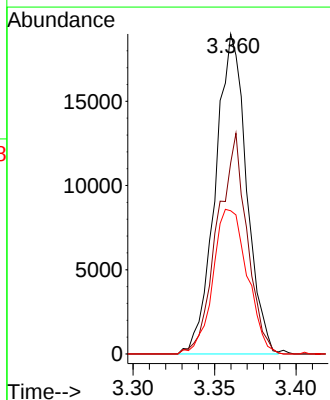
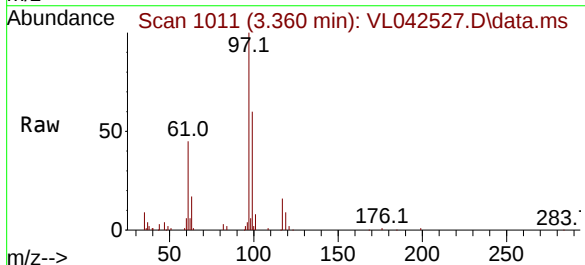
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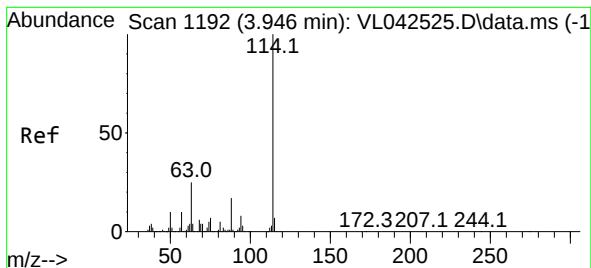
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#32
 1,1,1-Trichloroethane
 Concen: 0.955 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. 0.003 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Tgt Ion: 97 Resp: 25297
 Ion Ratio Lower Upper
 97 100
 99 65.8 50.1 75.1
 61 49.8 38.2 57.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

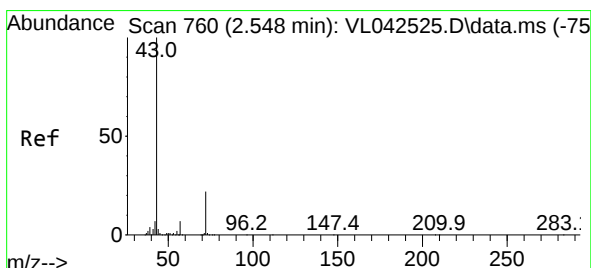
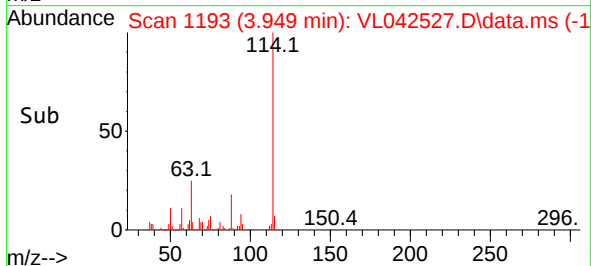
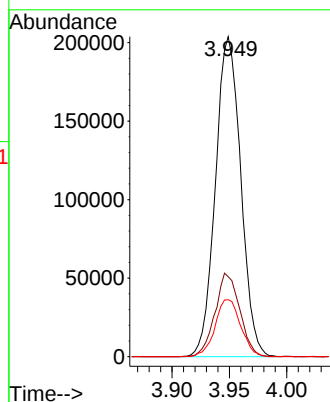
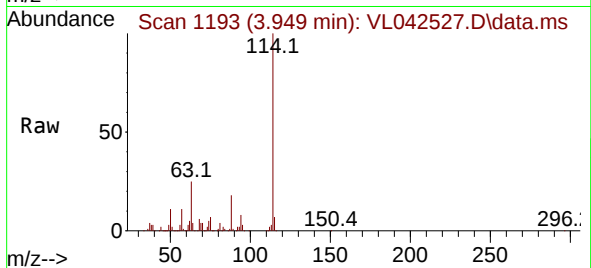
VSTDIC001

Tgt Ion:	114	Resp:	31299
Ion Ratio	Lower	Upper	
114	100		
63	25.5	20.4	30.6
88	18.0	14.5	21.7

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Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#34

2-Butanone

Concen: 0.978 ppbv

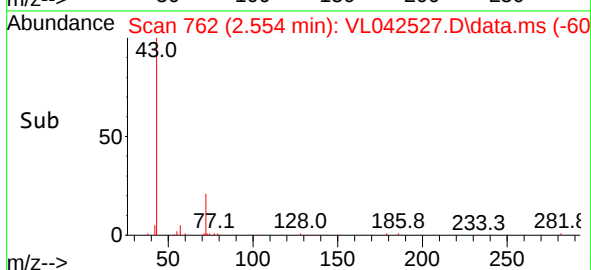
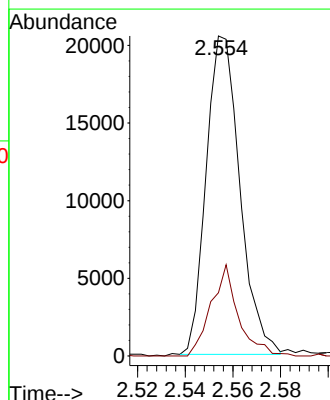
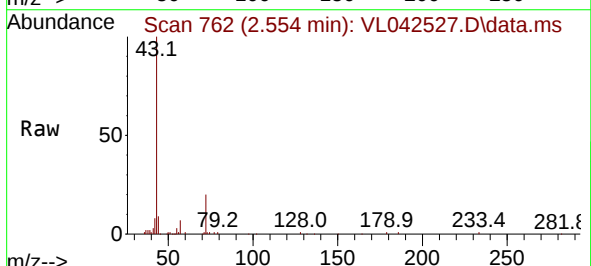
RT: 2.554 min Scan# 762

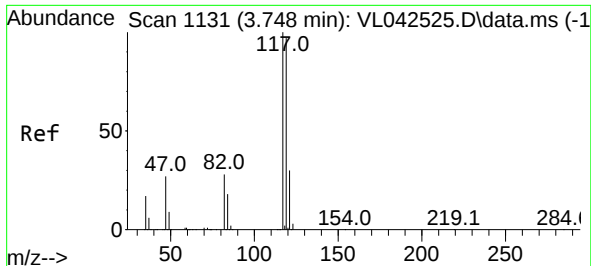
Delta R.T. 0.006 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

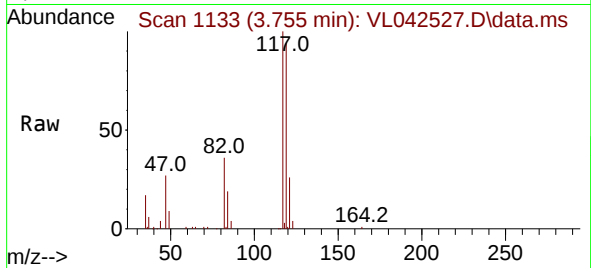
Tgt Ion:	43	Resp:	20174
Ion Ratio	Lower	Upper	
43	100		
72	23.4	18.7	28.1





#35
Carbon Tetrachloride
Concen: 0.966 ppbv
RT: 3.755 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

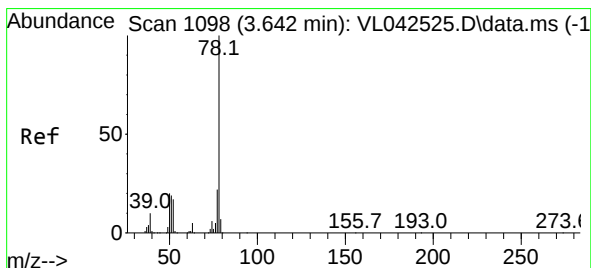
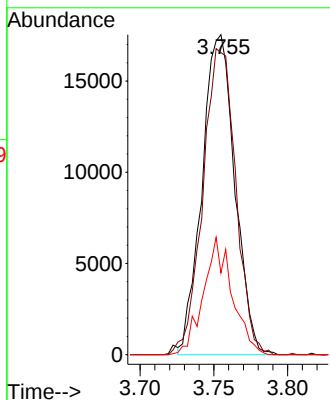
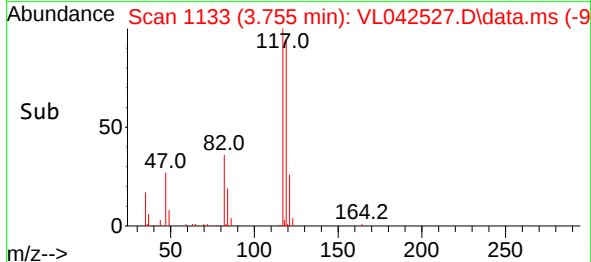
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



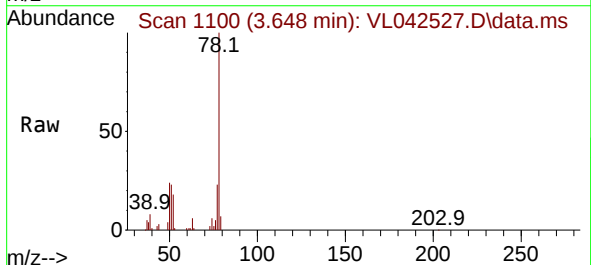
Tgt Ion: 117 Resp: 2718
Ion Ratio Lower Upper
117 100
119 94.4 77.7 116.5
121 25.5 24.0 36.0

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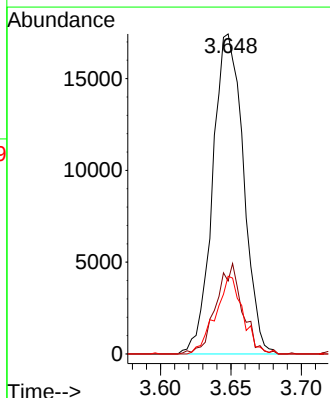
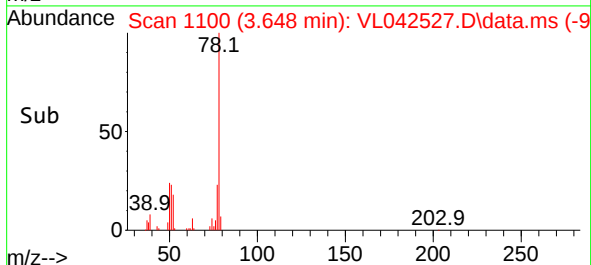
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

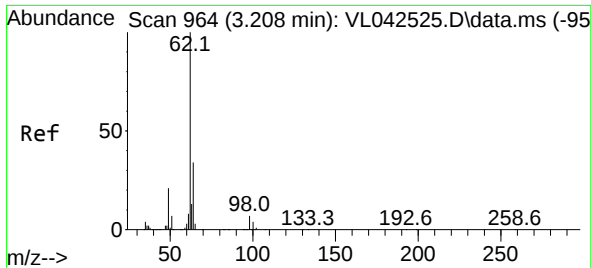


#36
Benzene
Concen: 0.954 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



Tgt Ion: 78 Resp: 26465
Ion Ratio Lower Upper
78 100
77 22.8 17.4 26.2
50 24.3 16.3 24.5





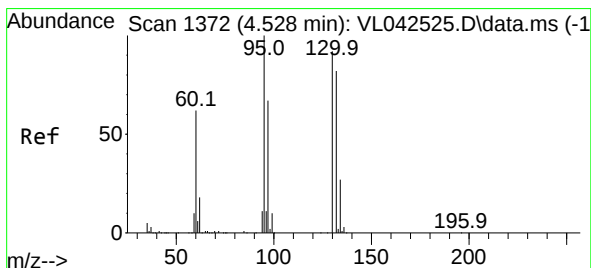
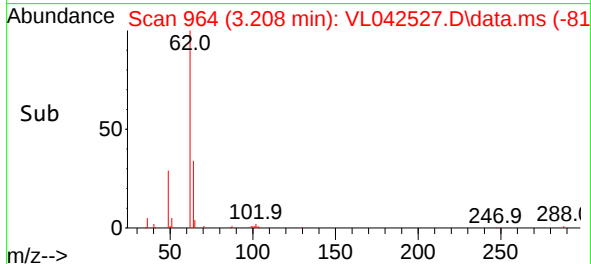
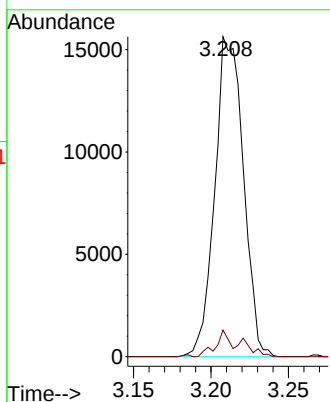
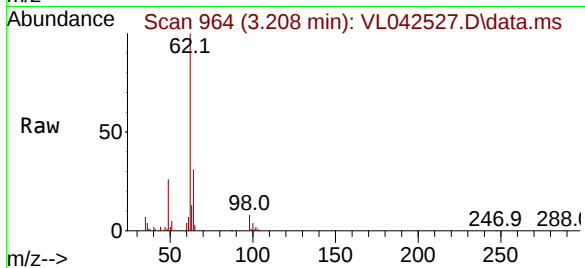
#37
1,2-Dichloroethane
Concen: 1.013 ppbv
RT: 3.208 min Scan# 90
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 20039
Ion Ratio Lower Upper
62 100
98 6.9 5.0 7.4

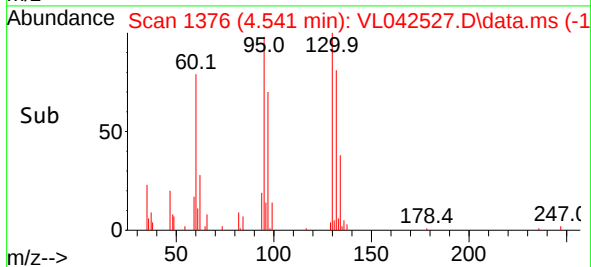
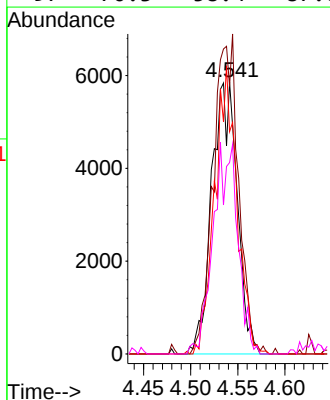
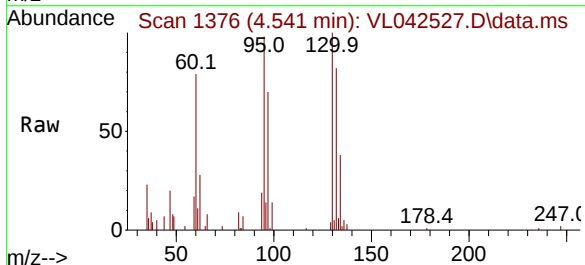
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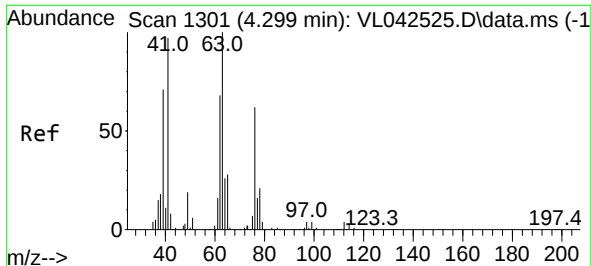
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#38
Trichloroethene
Concen: 0.930 ppbv m
RT: 4.541 min Scan# 1376
Delta R.T. 0.013 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion:130 Resp: 11026
Ion Ratio Lower Upper
130 100
95 98.4 87.0 130.4
132 81.7 71.1 106.7
97 70.3 58.4 87.6





#39

1,2-Dichloropropane

Concen: 1.004 ppbv m

RT: 4.308 min Scan# 1304

Delta R.T. 0.010 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

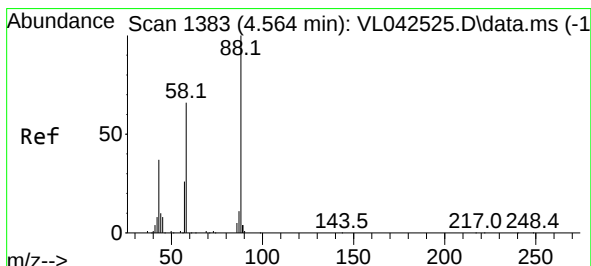
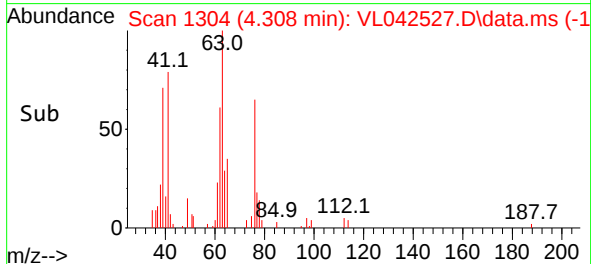
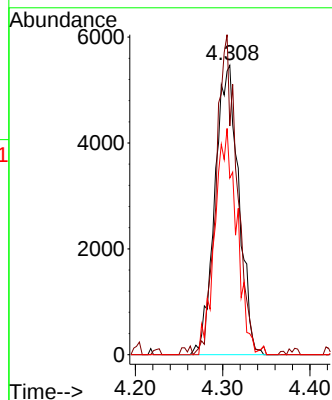
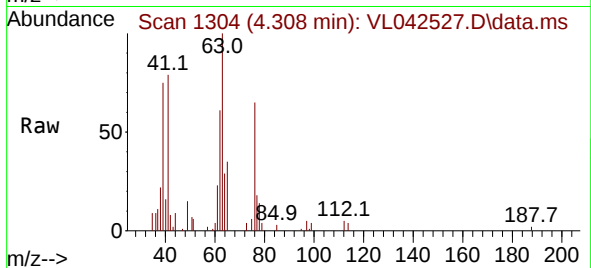
VSTDICC001

Tgt Ion: 63	Resp: 1036
Ion Ratio	Lower Upper
63	100
41	79.0 77.5 116.3
62	61.1 54.6 82.0

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Supervised By :Mahesh Dadoda 05/14/2025



#40

1,4-Dioxane

Concen: 0.931 ppbv m

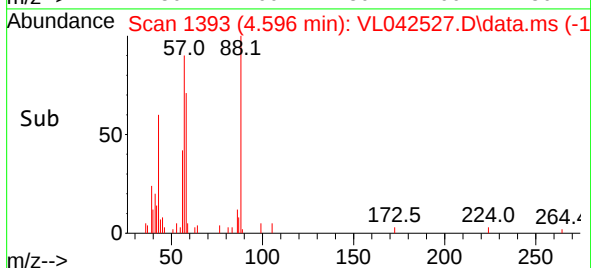
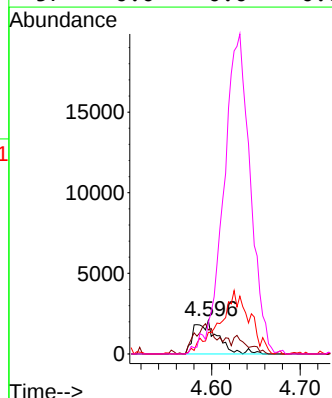
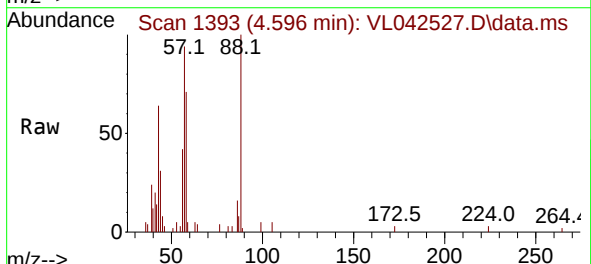
RT: 4.596 min Scan# 1393

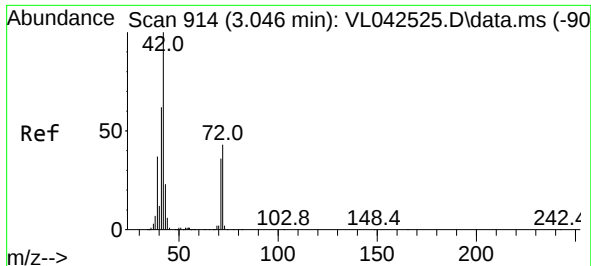
Delta R.T. 0.032 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Tgt Ion: 88	Resp: 3834
Ion Ratio	Lower Upper
88	100
58	0.0 58.2 87.2#
43	0.0 27.9 41.9#
57	0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.893 ppbv

RT: 3.056 min Scan# 914

Delta R.T. 0.010 min

Lab File: VL042527.D

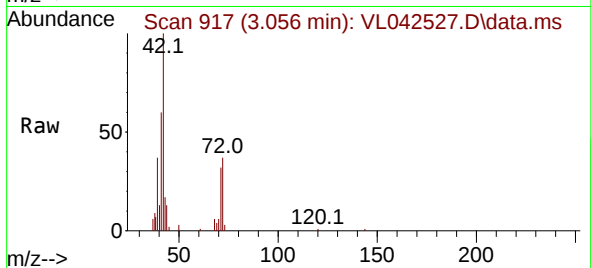
Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

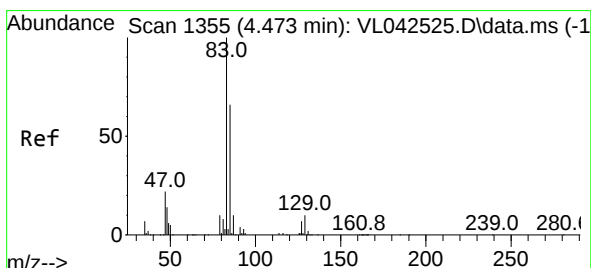
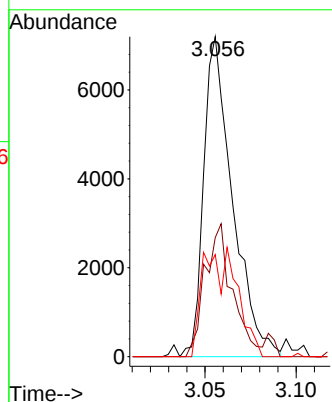
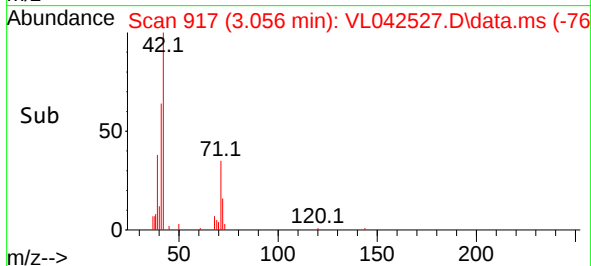


Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.7	49.1
71	40.4	30.4	45.6

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Supervised By :Mahesh Dadoda 05/14/2025



#42

Bromodichloromethane

Concen: 0.969 ppbv m

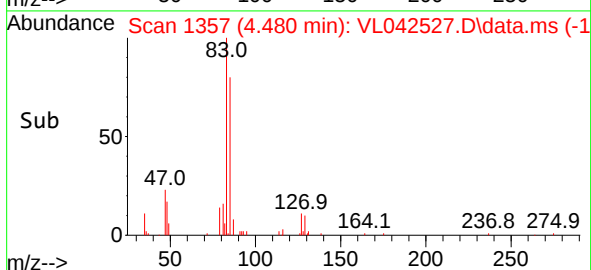
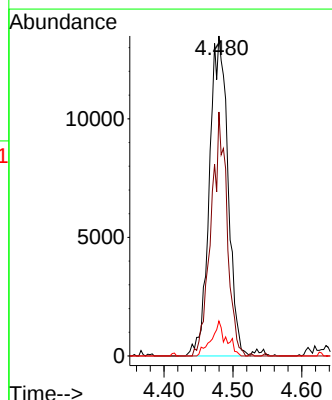
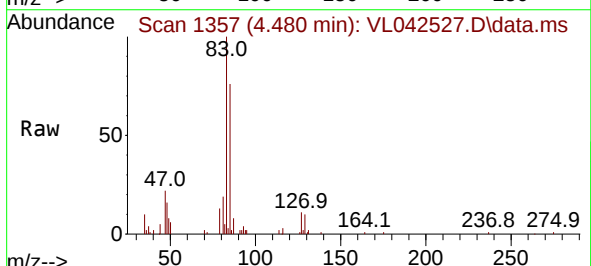
RT: 4.480 min Scan# 1357

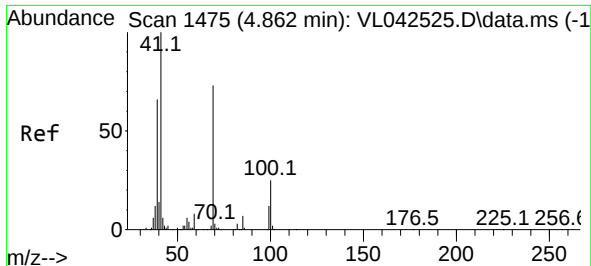
Delta R.T. 0.006 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

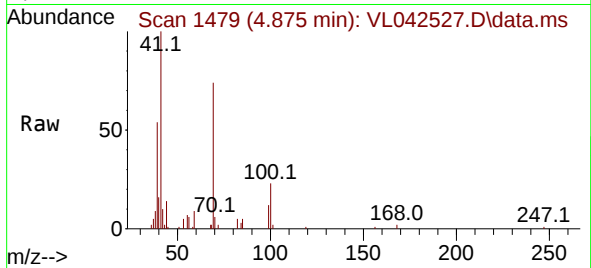
Tgt Ion	Ratio	Lower	Upper
83	100		
85	76.3	52.6	79.0
127	10.9	6.0	9.0





#43
Methyl Methacrylate
Concen: 0.880 ppbv m
RT: 4.875 min Scan# 1475
Delta R.T. 0.013 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

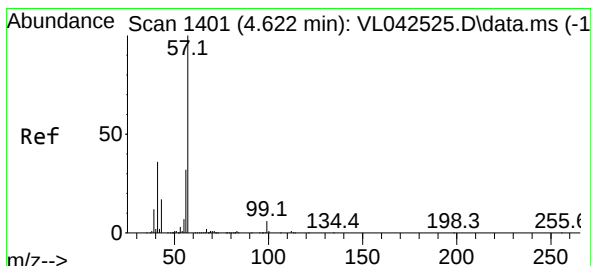
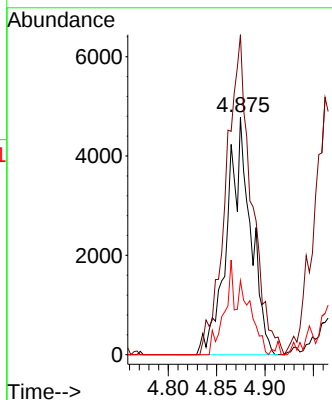
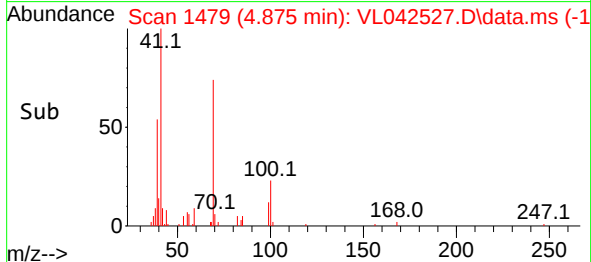
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



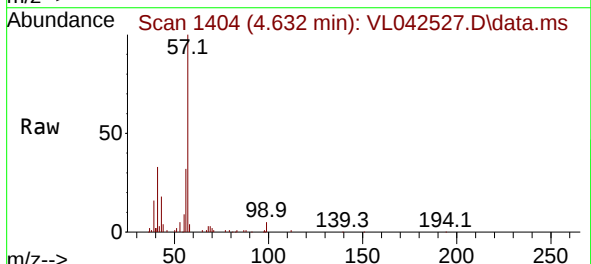
Tgt Ion: 69 Resp: 8149
Ion Ratio Lower Upper
69 100
41 0.0 119.9 179.9
100 35.1 28.4 42.6

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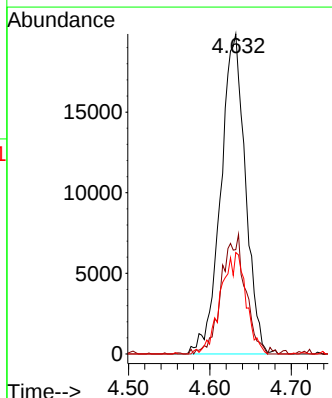
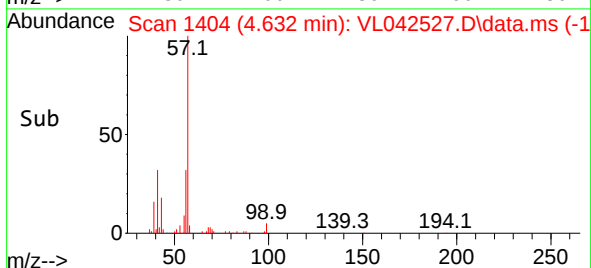
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

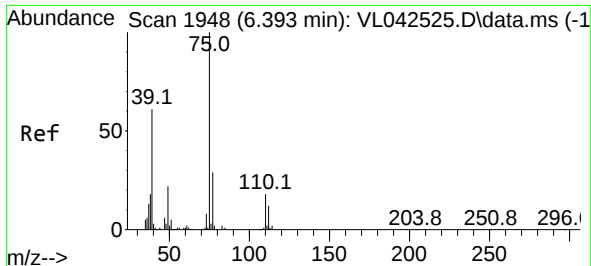


#44
2,2,4-Trimethylpentane
Concen: 0.956 ppbv m
RT: 4.632 min Scan# 1404
Delta R.T. 0.010 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



Tgt Ion: 57 Resp: 41666
Ion Ratio Lower Upper
57 100
41 37.6 28.3 42.5
56 32.7 25.9 38.9





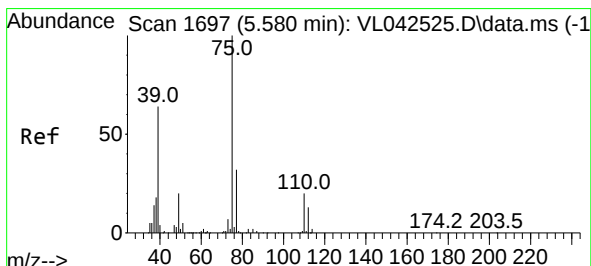
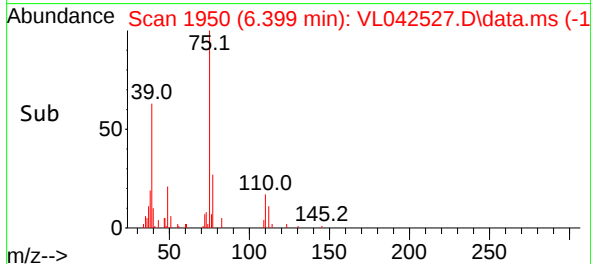
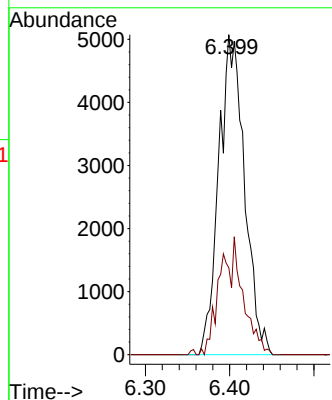
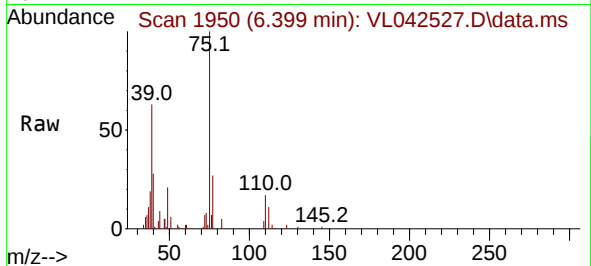
#45
 t-1,3-Dichloropropene
 Concen: 0.906 ppbv m
 RT: 6.399 min Scan# 1948
 Delta R.T. 0.006 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Tgt Ion: 75 Resp: 10710
 Ion Ratio Lower Upper
 75 100
 77 27.2 23.3 34.9

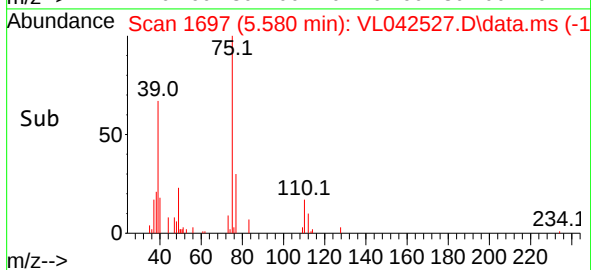
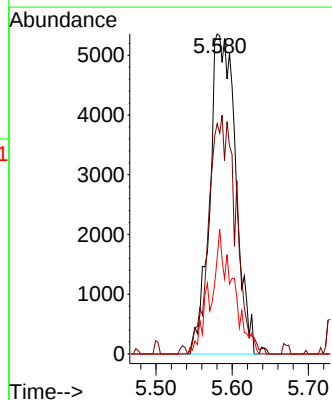
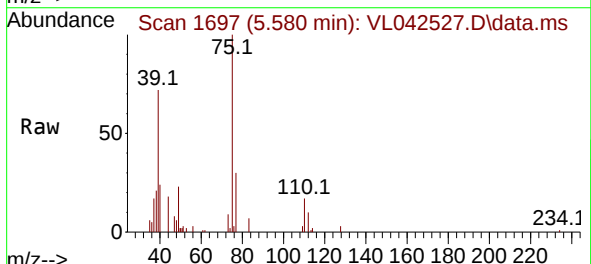
Manual Integrations
 APPROVED

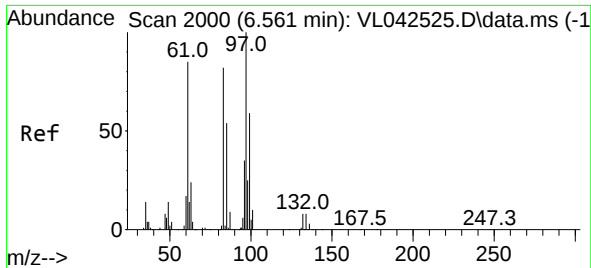
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#46
 cis-1,3-Dichloropropene
 Concen: 0.884 ppbv m
 RT: 5.580 min Scan# 1697
 Delta R.T. -0.000 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

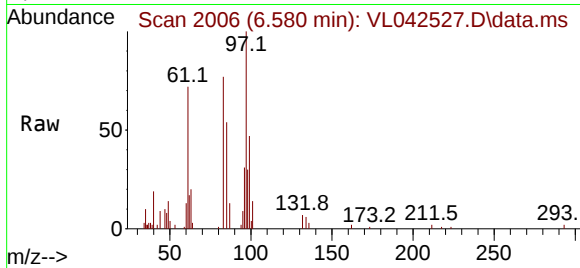
Tgt Ion: 75 Resp: 12616
 Ion Ratio Lower Upper
 75 100
 39 72.0 51.2 76.8
 77 29.9 25.4 38.0





#47
1,1,2-Trichloroethane
Concen: 0.957 ppbv m
RT: 6.580 min Scan# 2006
Delta R.T. 0.019 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

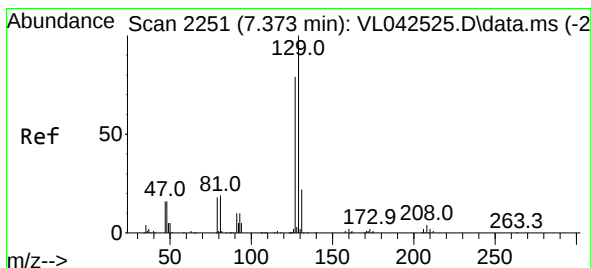
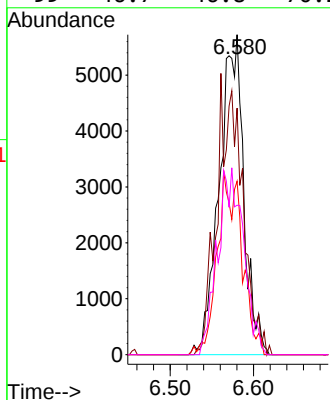
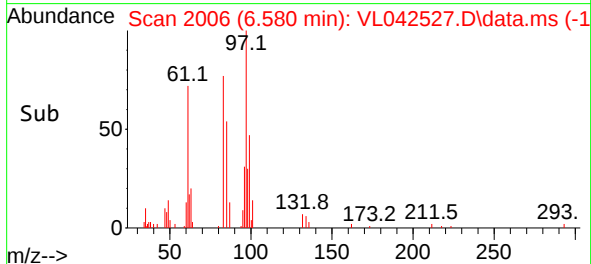
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 97 Resp: 11630
Ion Ratio Lower Upper
97 100
83 77.1 66.0 99.0
85 54.2 42.8 64.2
99 46.7 46.8 70.2#

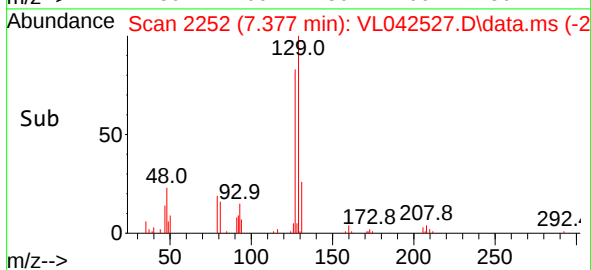
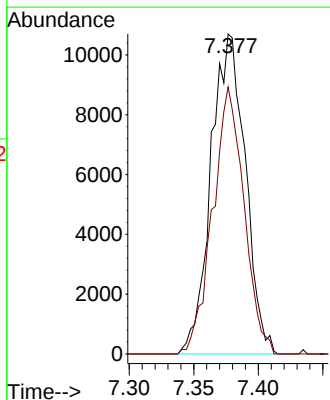
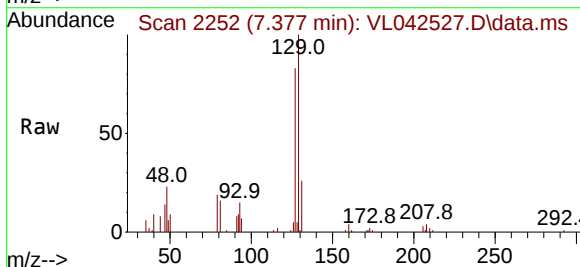
Manual Integrations
APPROVED

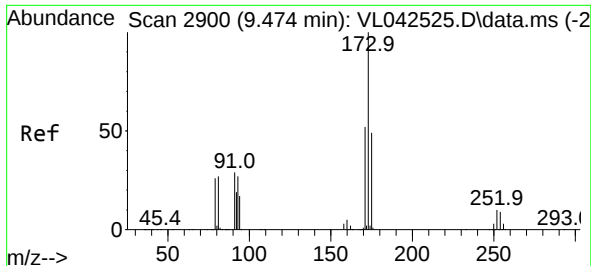
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#48
Dibromochloromethane
Concen: 0.973 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

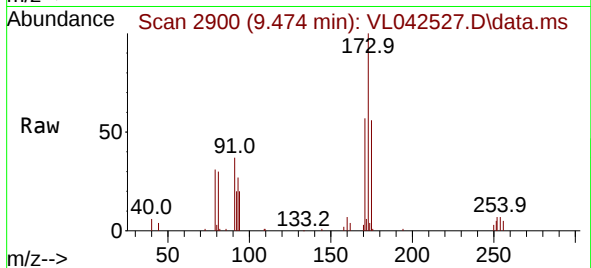
Tgt Ion:129 Resp: 19761
Ion Ratio Lower Upper
129 100
127 76.2 39.6 118.8





#49
Bromoform
Concen: 0.944 ppbv
RT: 9.474 min Scan# 2900
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

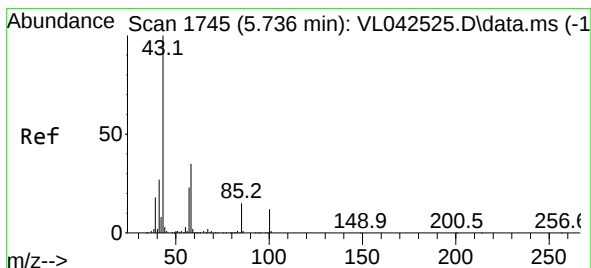
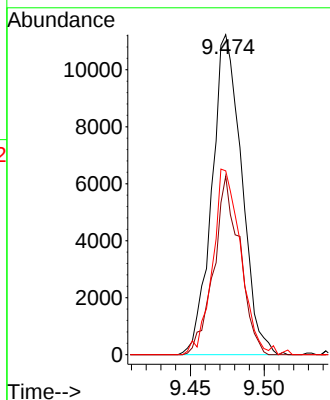
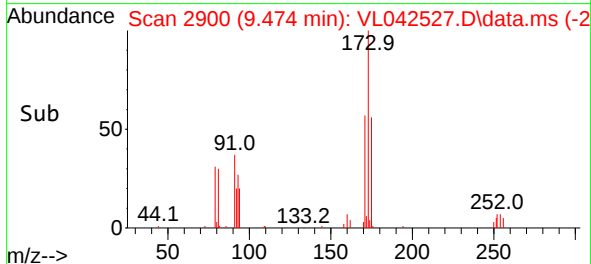
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



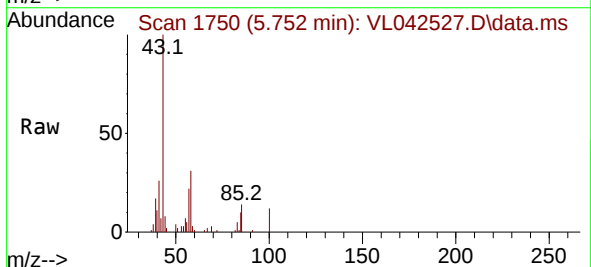
Tgt Ion:173 Resp: 15749
Ion Ratio Lower Upper
173 100
175 48.8 39.1 58.7
171 55.0 41.8 62.8

Manual Integrations
APPROVED

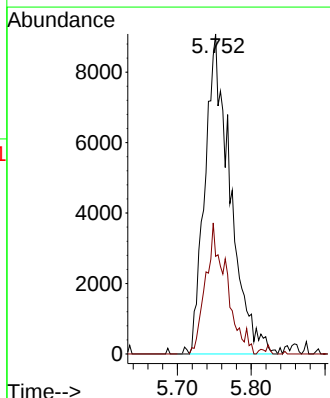
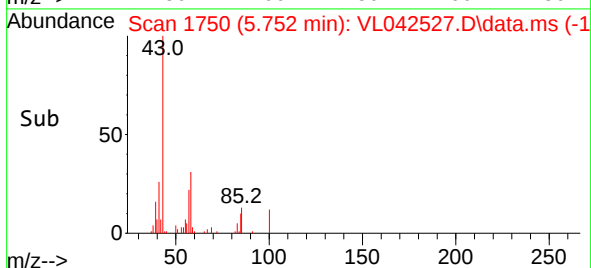
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

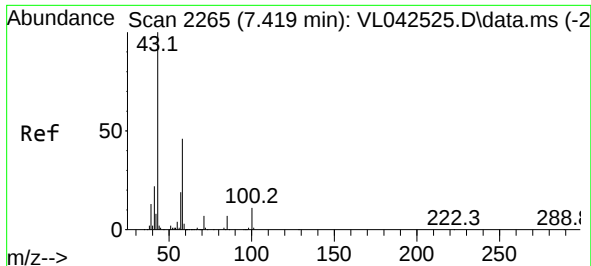


#50
4-Methyl-2-Pentanone
Concen: 0.898 ppbv m
RT: 5.752 min Scan# 1750
Delta R.T. 0.016 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



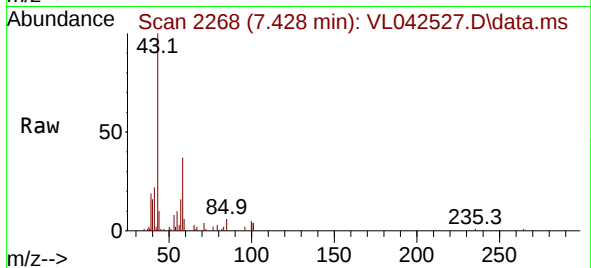
Tgt Ion: 43 Resp: 21720
Ion Ratio Lower Upper
43 100
58 34.1 28.6 42.8





#51
2-Hexanone
Concen: 0.815 ppbv m
RT: 7.428 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

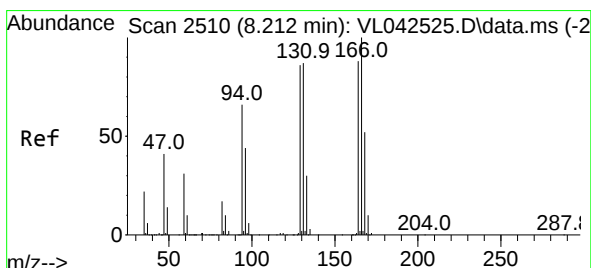
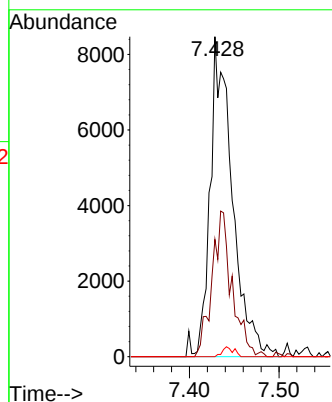
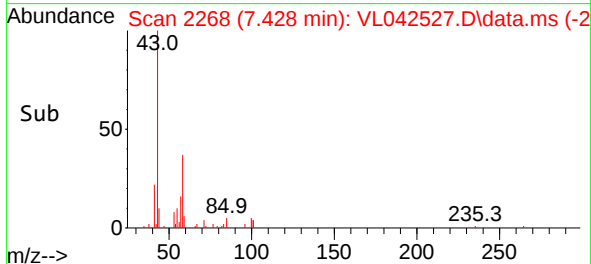
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 14649
Ion Ratio Lower Upper
43 100
58 0.0 37.5 56.3#
98 0.0 0.9 1.3#

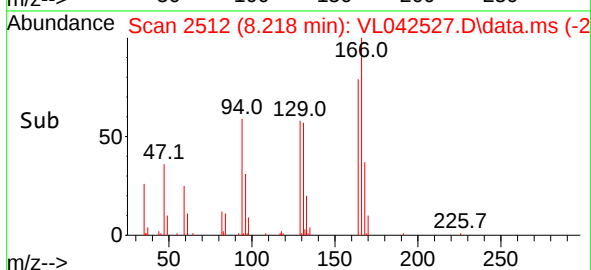
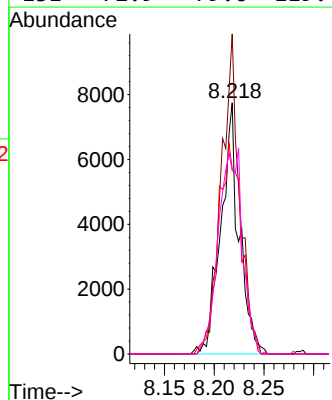
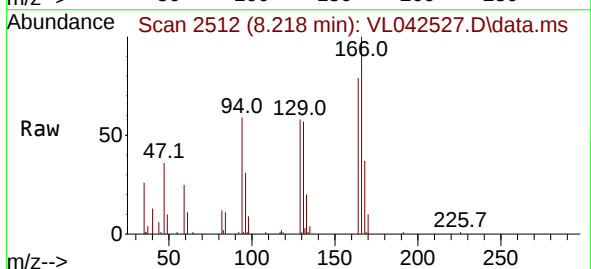
Manual Integrations
APPROVED

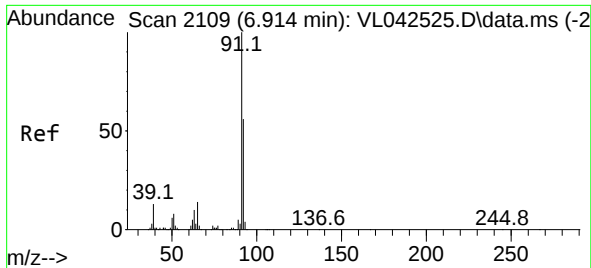
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#52
Tetrachloroethene
Concen: 0.928 ppbv m
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

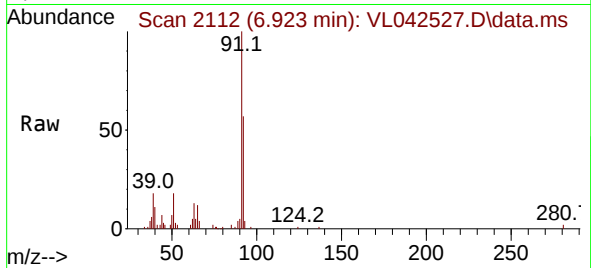
Tgt Ion:164 Resp: 9912
Ion Ratio Lower Upper
164 100
166 127.4 91.3 136.9
129 73.8 78.9 118.3#
131 72.9 79.6 119.4#





#53
Toluene
Concen: 0.841 ppbv m
RT: 6.923 min Scan# 2109
Delta R.T. 0.010 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

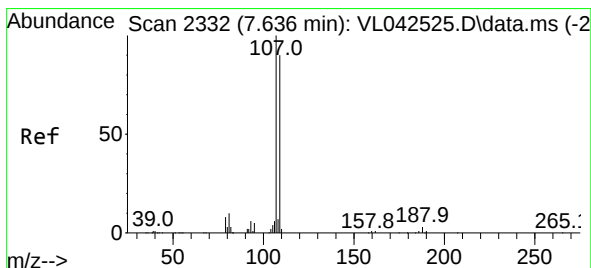
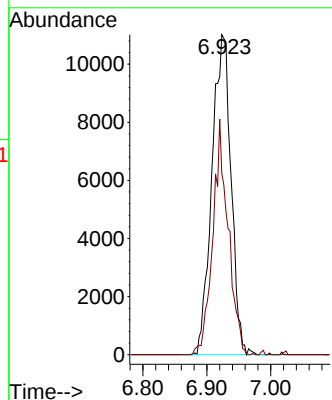
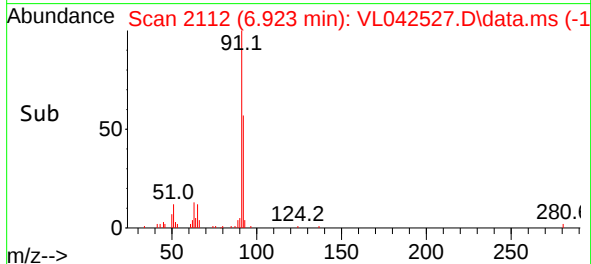
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



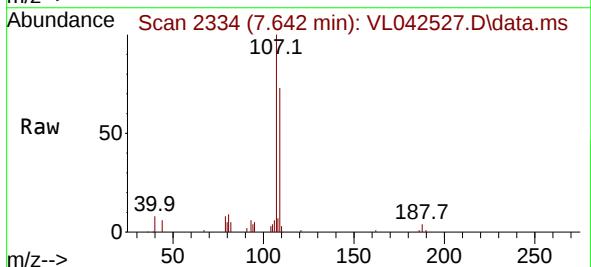
Tgt Ion: 91 Resp: 2289
Ion Ratio Lower Upper
91 100
92 59.1 47.8 71.6

Manual Integrations
APPROVED

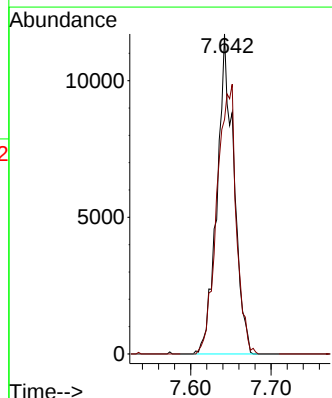
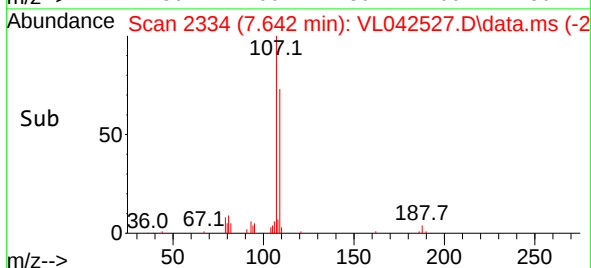
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

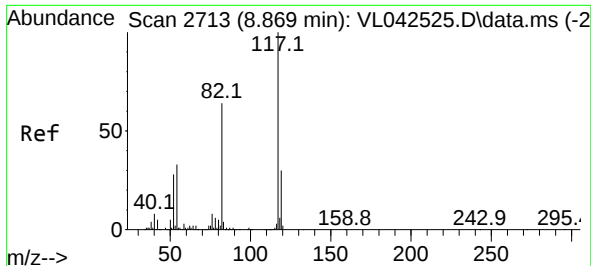


#54
1,2-Dibromoethane
Concen: 0.955 ppbv m
RT: 7.642 min Scan# 2334
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



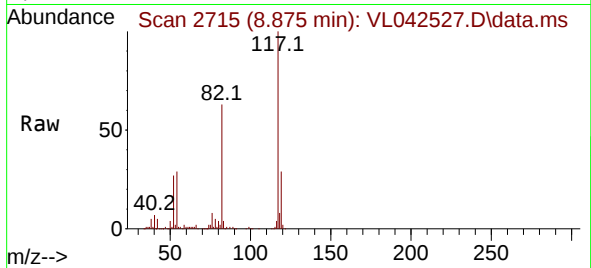
Tgt Ion:107 Resp: 16971
Ion Ratio Lower Upper
107 100
109 73.3 72.2 108.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

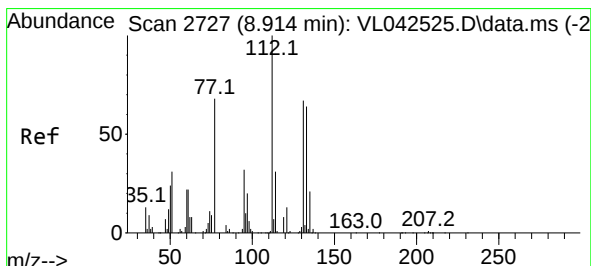
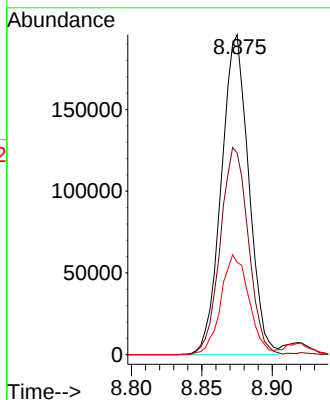
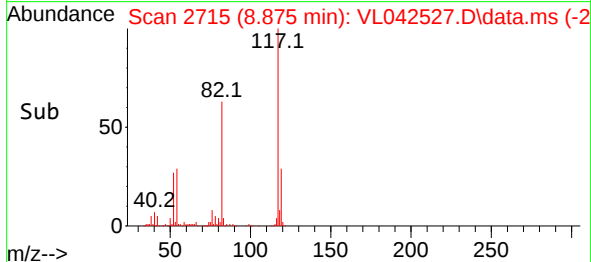
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion:117 Resp: 26584
Ion Ratio Lower Upper
117 100
82 66.6 55.0 82.4
119 35.5 25.8 38.6

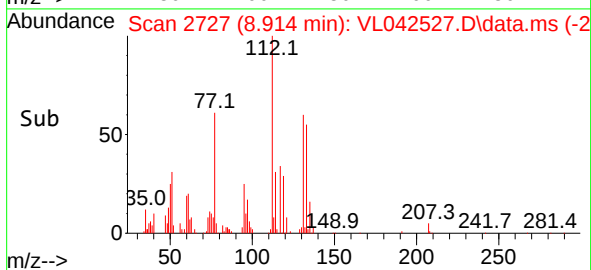
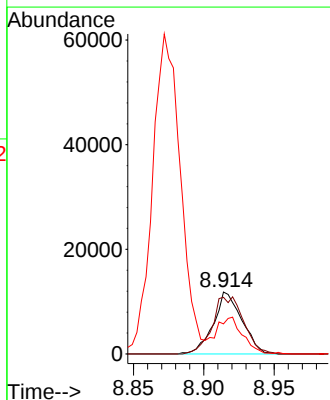
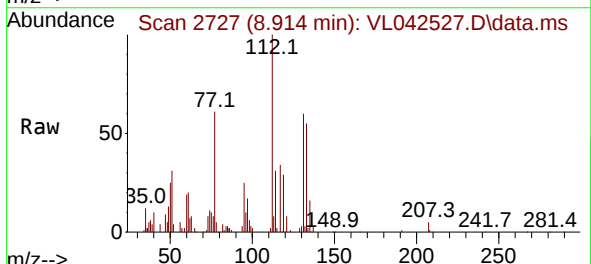
Manual Integrations
APPROVED

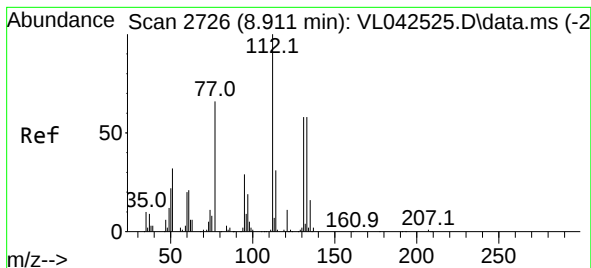
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#56
1,1,1,2-Tetrachloroethane
Concen: 1.010 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion:131 Resp: 16650
Ion Ratio Lower Upper
131 100
133 102.2 77.4 116.2
119 566.5 49.0 73.4#





#57

Chlorobenzene

Concen: 0.973 ppbv

RT: 8.914 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

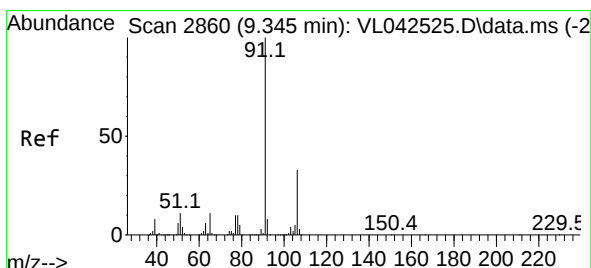
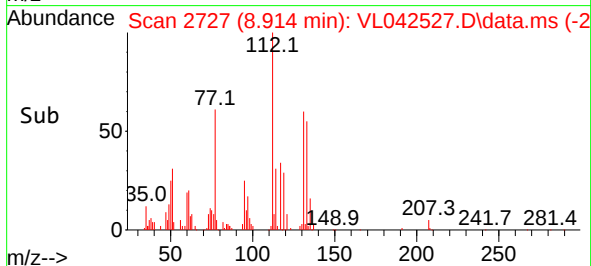
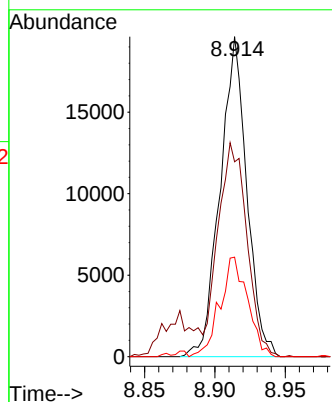
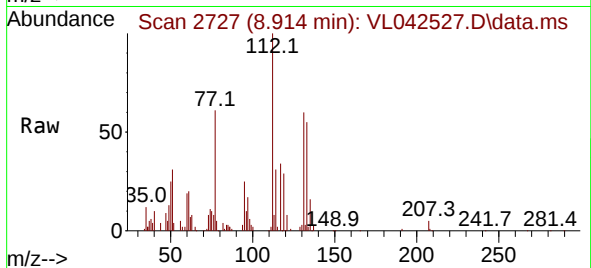
VSTDICC001

Tgt Ion:	112	Resp:	25980
Ion Ratio	Lower	Upper	
112	100		
77	60.9	53.6	80.4
114	30.8	28.2	34.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#58

Ethyl Benzene

Concen: 0.795 ppbv m

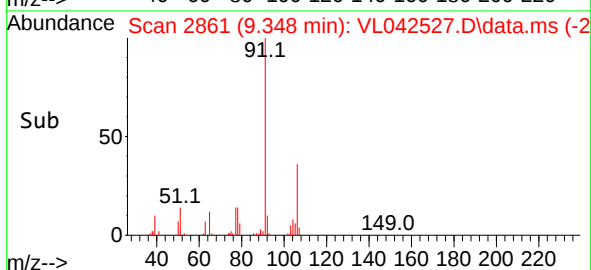
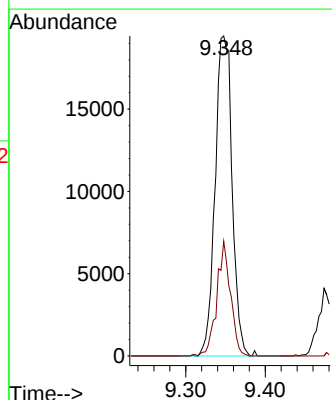
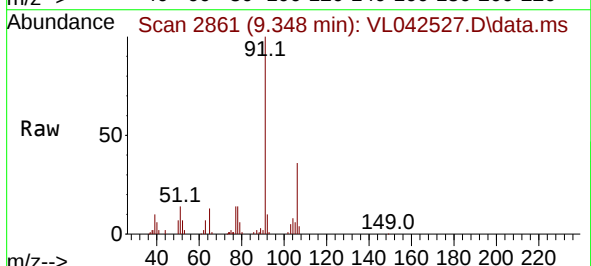
RT: 9.348 min Scan# 2861

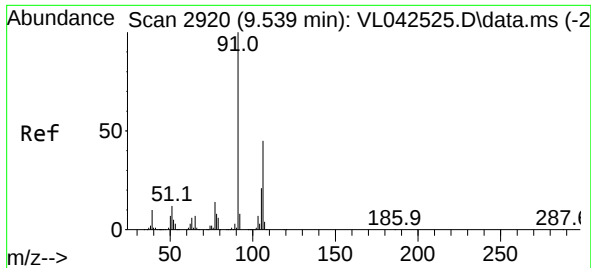
Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Tgt Ion:	91	Resp:	28807
Ion Ratio	Lower	Upper	
91	100		
106	35.9	26.0	39.0





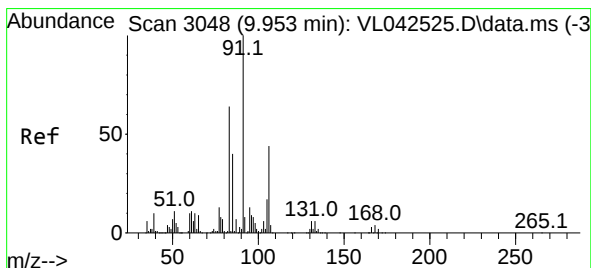
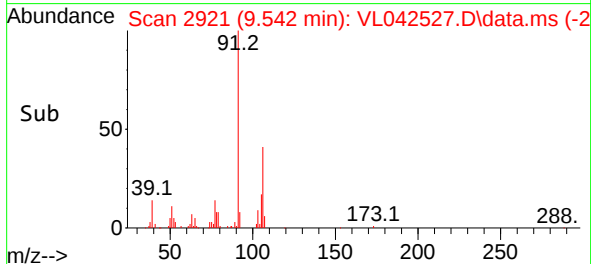
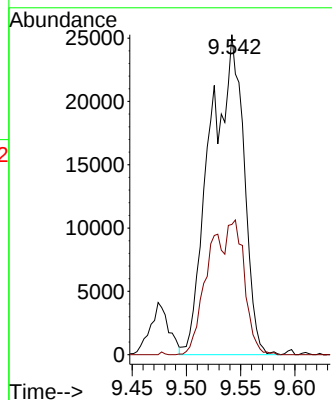
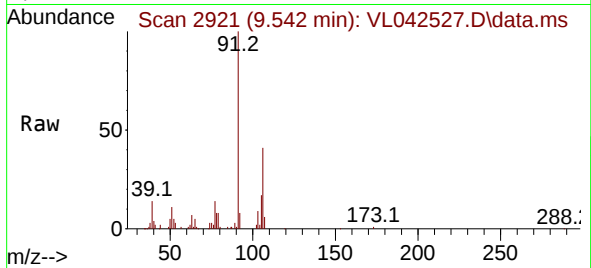
#59
m/p-Xylene
Concen: 1.695 ppbv m
RT: 9.542 min Scan# 2920
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 5464
Ion Ratio Lower Upper
91 100
106 44.4 0.0 0.0

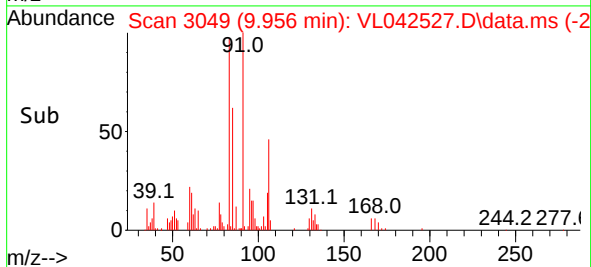
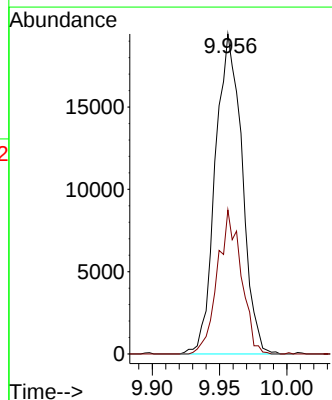
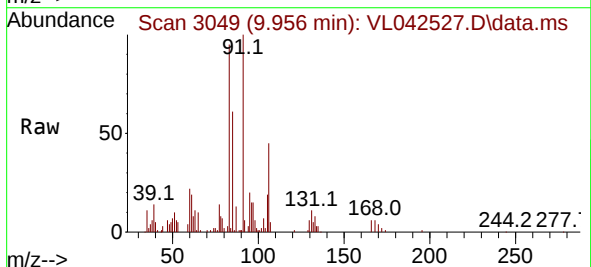
Manual Integrations
APPROVED

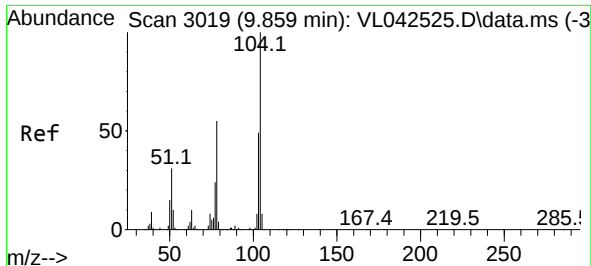
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#60
o-Xylene
Concen: 0.854 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion: 91 Resp: 26834
Ion Ratio Lower Upper
91 100
106 40.1 21.6 64.6





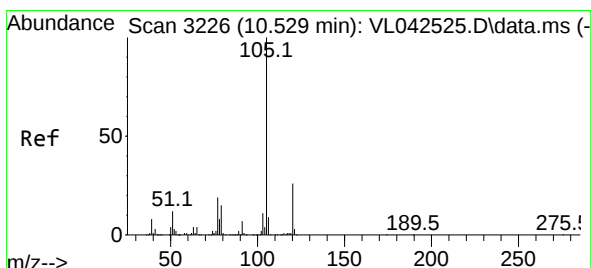
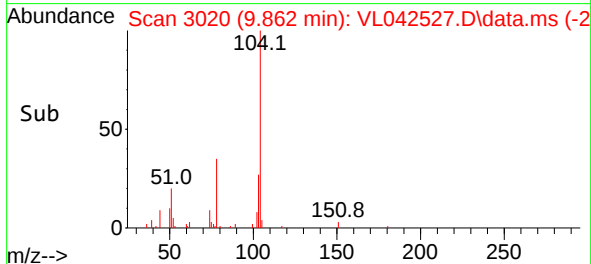
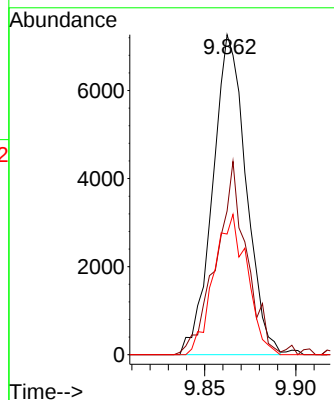
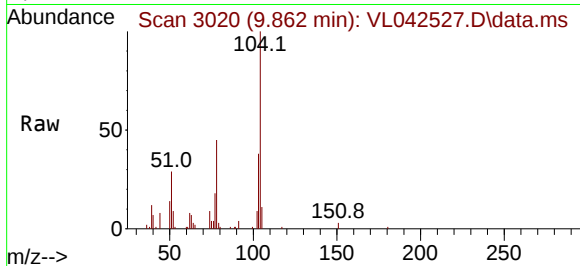
#61
Styrene
Concen: 0.800 ppbv
RT: 9.862 min Scan# 3019
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 9258
Ion Ratio Lower Upper
104 100
78 55.5 44.7 67.1
103 44.0 38.6 58.0

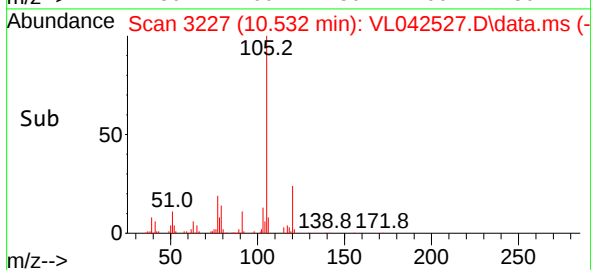
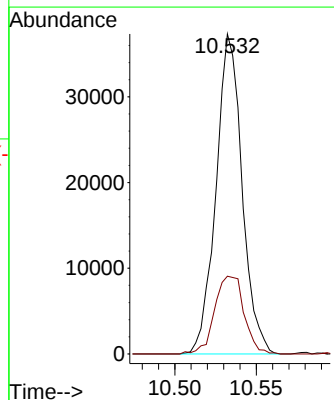
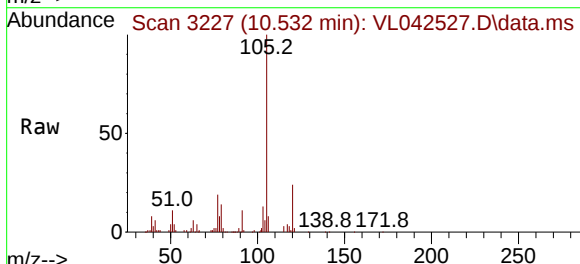
Manual Integrations
APPROVED

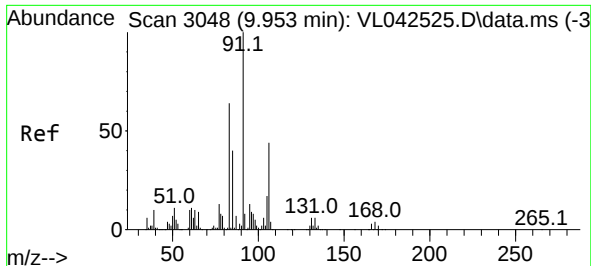
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#62
Isopropylbenzene
Concen: 0.877 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Tgt Ion:105 Resp: 41504
Ion Ratio Lower Upper
105 100
120 27.4 20.1 30.1





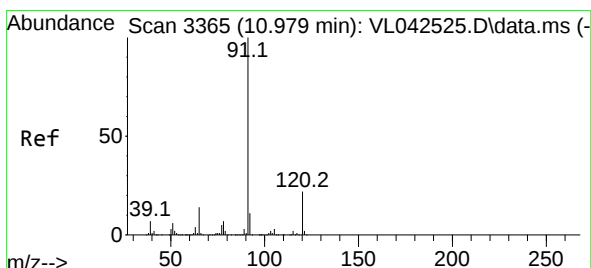
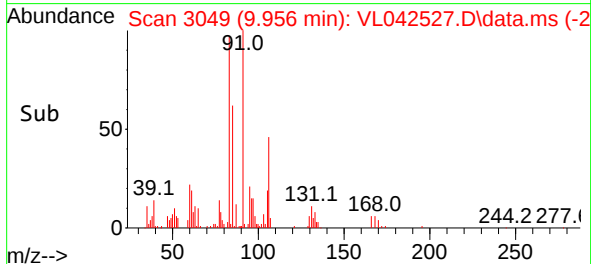
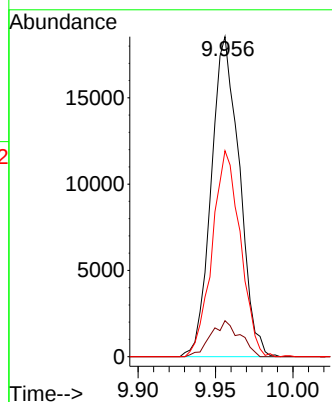
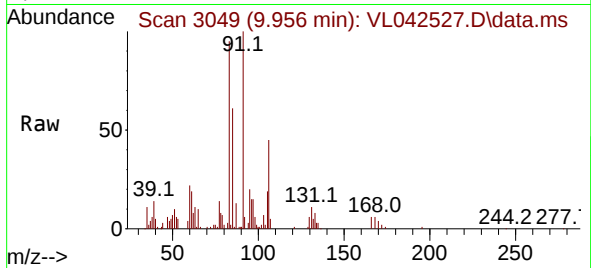
#63
1,1,2,2-Tetrachloroethane
Concen: 0.930 ppbv
RT: 9.956 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 23419
Ion Ratio Lower Upper
83 100
131 11.7 4.9 14.7
85 64.6 32.3 96.8

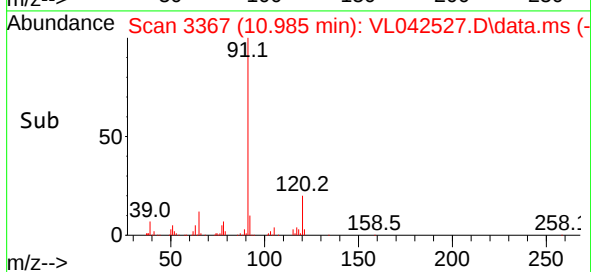
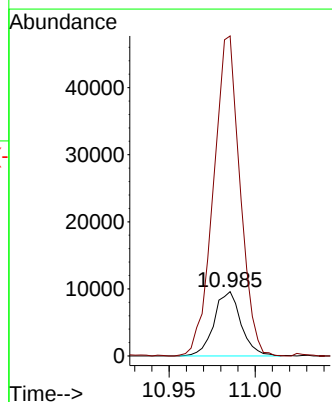
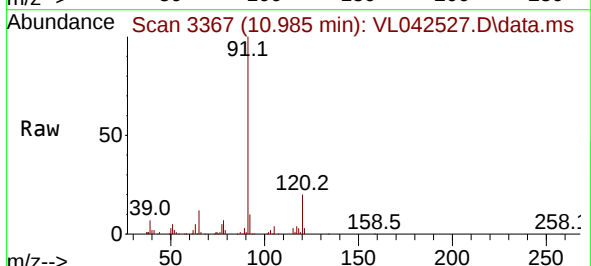
Manual Integrations
APPROVED

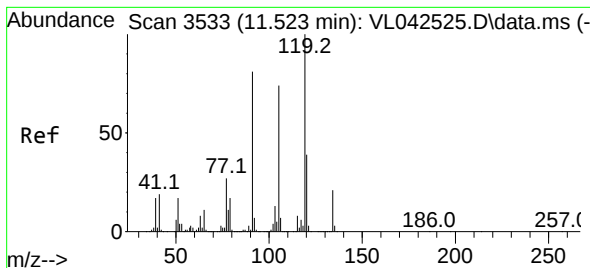
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#64
n-propylbenzene
Concen: 0.870 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

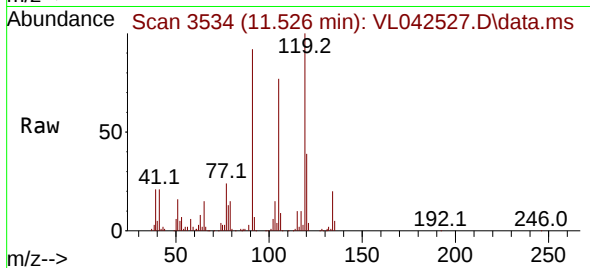
Tgt Ion:120 Resp: 10433
Ion Ratio Lower Upper
120 100
91 491.4 377.7 566.5





#65
tert-Butylbenzene
Concen: 0.878 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

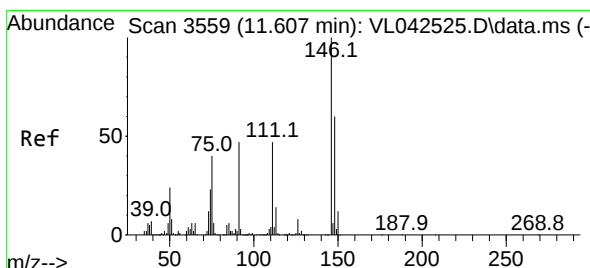
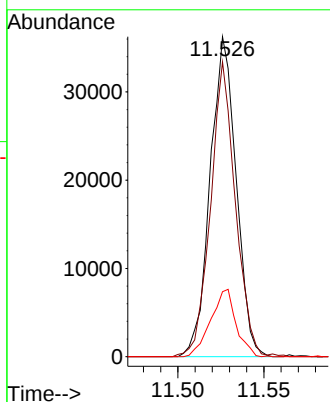
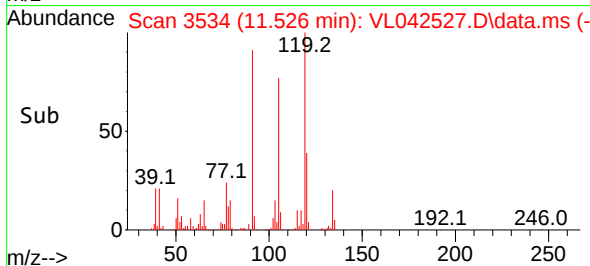
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



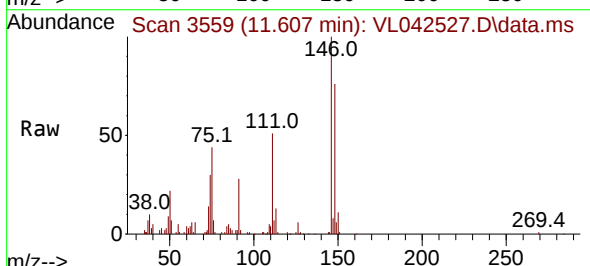
Tgt Ion: 119 Resp: 38170
Ion Ratio Lower Upper
119 100
91 87.9 66.6 99.8
134 20.5 16.3 24.5

Manual Integrations
APPROVED

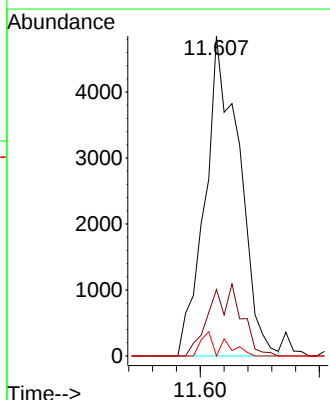
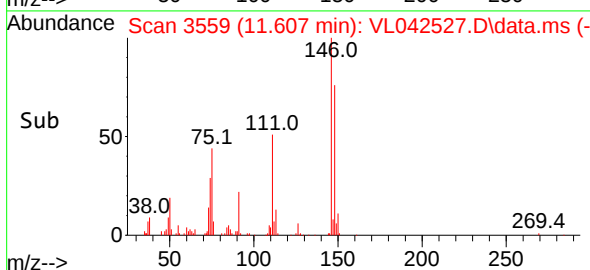
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

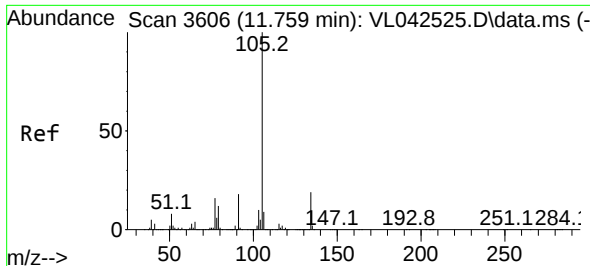


#66
Benzyl Chloride
Concen: 0.839 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



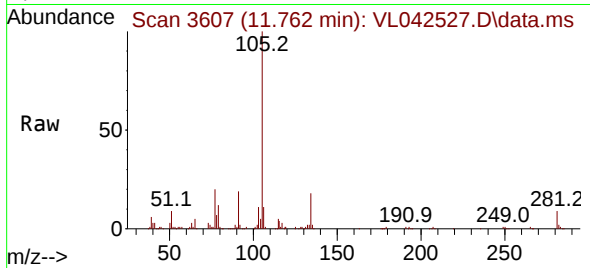
Tgt Ion: 91 Resp: 4826
Ion Ratio Lower Upper
91 100
126 21.0 13.7 20.5#
128 4.6 4.2 6.2





#67
 sec-Butylbenzene
 Concen: 0.909 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. 0.003 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

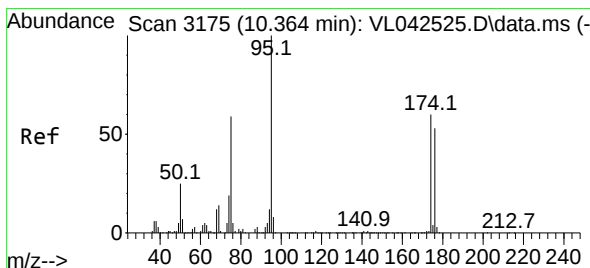
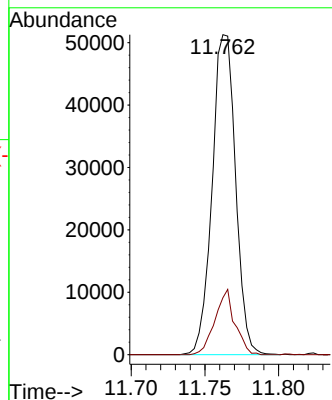
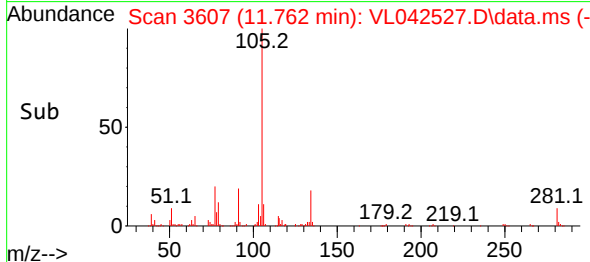
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 105 Resp: 56638
 Ion Ratio Lower Upper
 105 100
 134 17.2 14.9 22.3

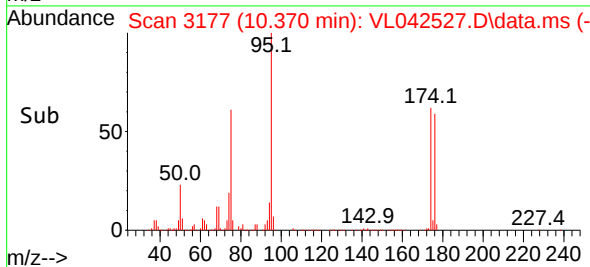
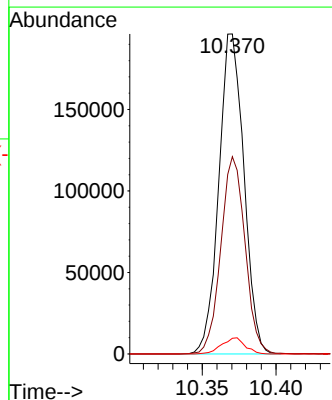
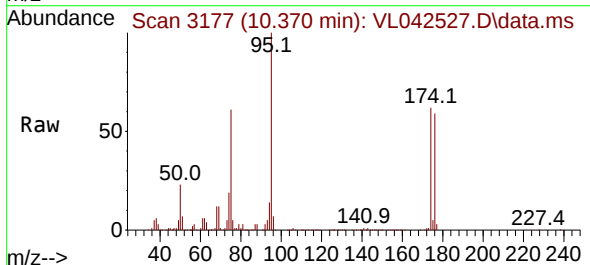
Manual Integrations
 APPROVED

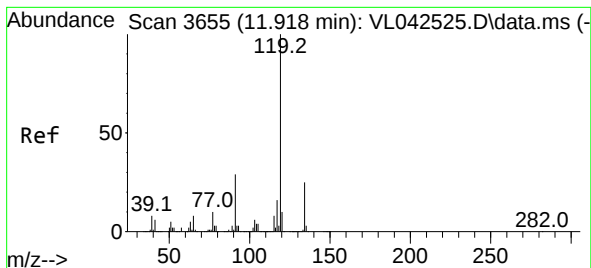
Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.029 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.006 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

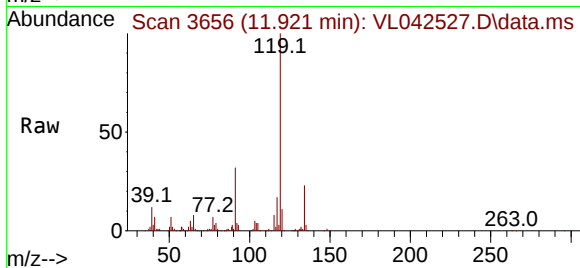
Tgt Ion: 95 Resp: 231970
 Ion Ratio Lower Upper
 95 100
 174 59.8 48.0 72.0
 175 4.7 3.5 5.3





#69
p-Isopropyltoluene
Concen: 0.867 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

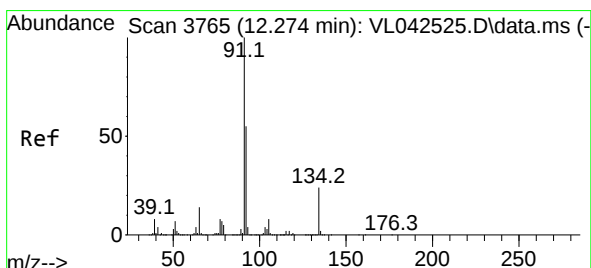
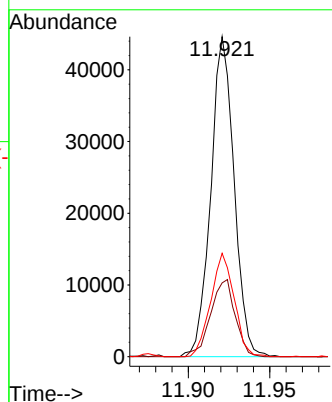
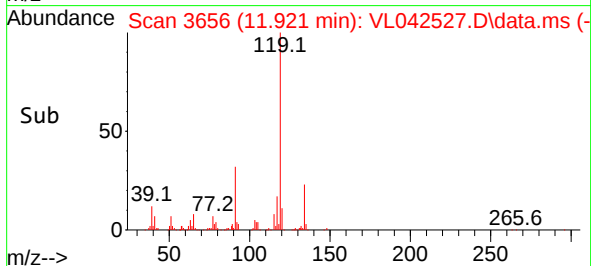
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



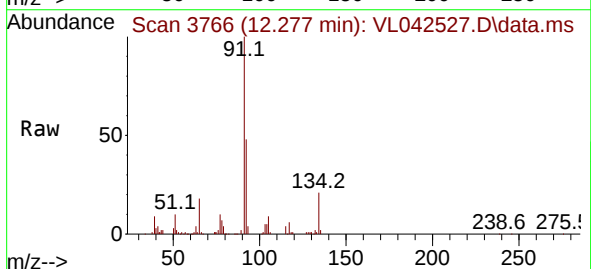
Tgt Ion:119 Resp: 44400
Ion Ratio Lower Upper
119 100
134 25.4 19.8 29.6
91 32.5 23.6 35.4

Manual Integrations
APPROVED

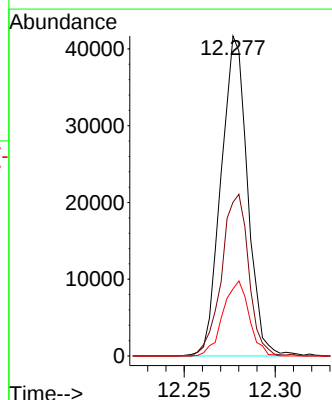
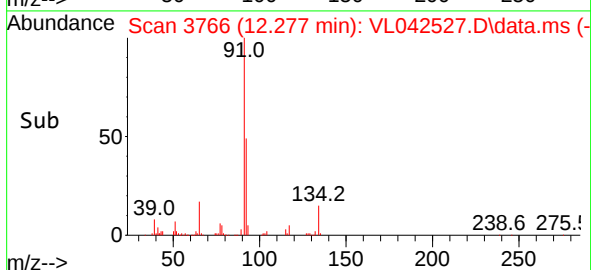
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

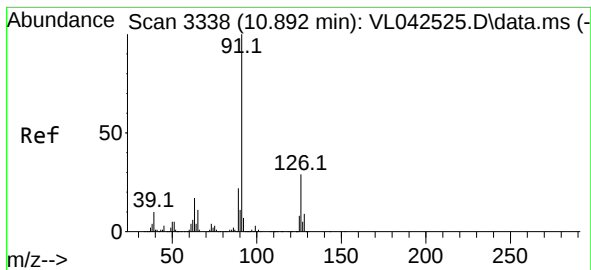


#70
n-Butylbenzene
Concen: 0.827 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



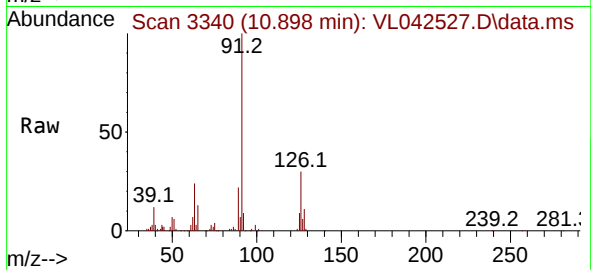
Tgt Ion: 91 Resp: 41878
Ion Ratio Lower Upper
91 100
92 52.0 43.7 65.5
134 23.2 18.9 28.3





#71
2-Chlorotoluene
Concen: 0.839 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

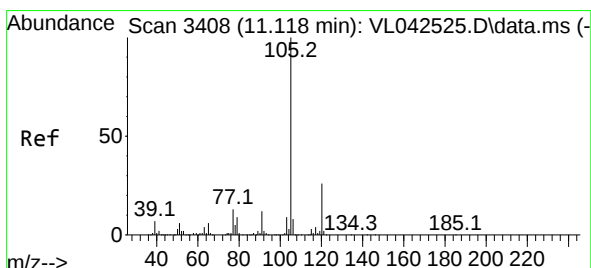
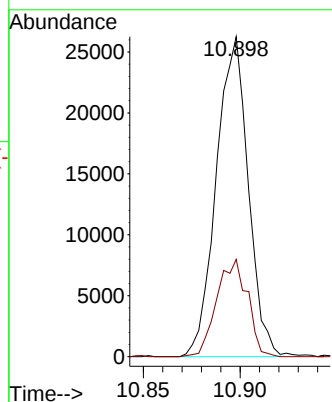
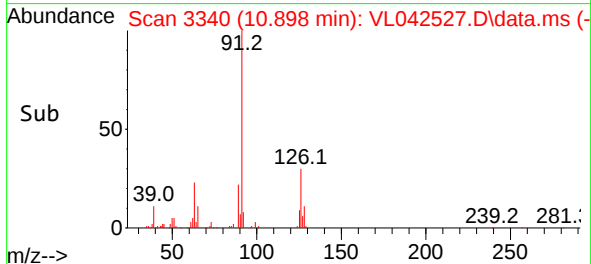
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



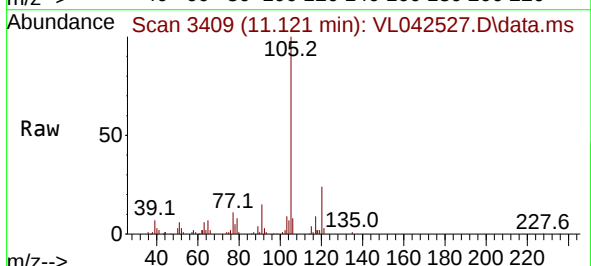
Tgt Ion: 91 Resp: 30070
Ion Ratio Lower Upper
91 100
126 29.3 11.4 45.6

Manual Integrations
APPROVED

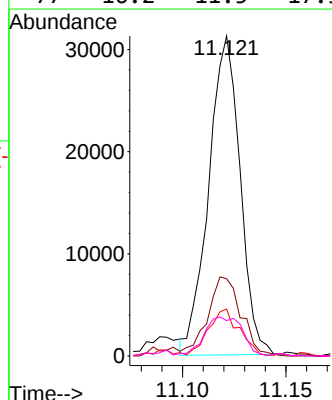
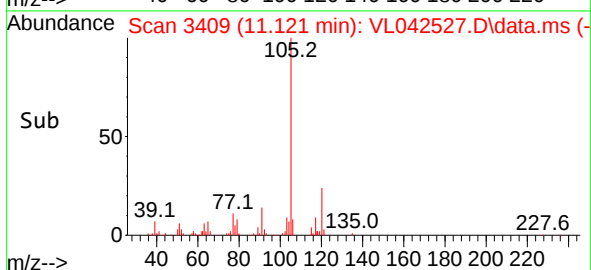
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

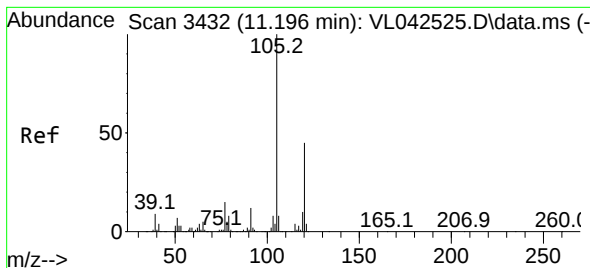


#72
4-Ethyltoluene
Concen: 0.847 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



Tgt Ion:105 Resp: 33030
Ion Ratio Lower Upper
105 100
120 28.5 22.9 34.3
91 16.5 10.9 16.3#
77 16.2 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 0.867 ppbv

RT: 11.199 min Scan# 3432

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 2944

Ion Ratio Lower Upper

105 100

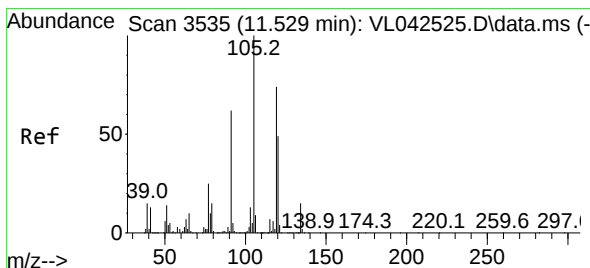
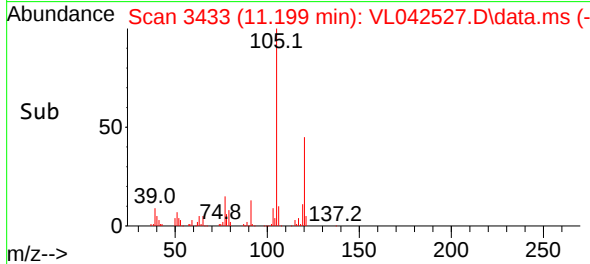
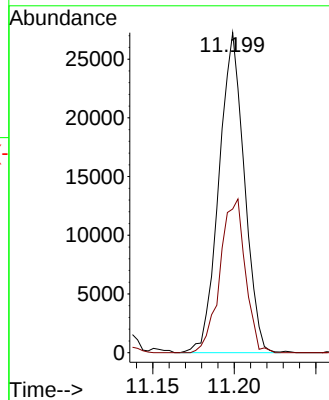
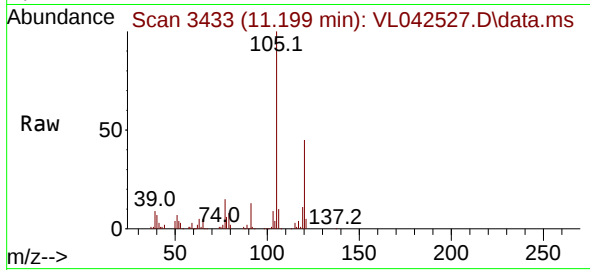
120 44.9 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.970 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Tgt Ion:105 Resp: 40544

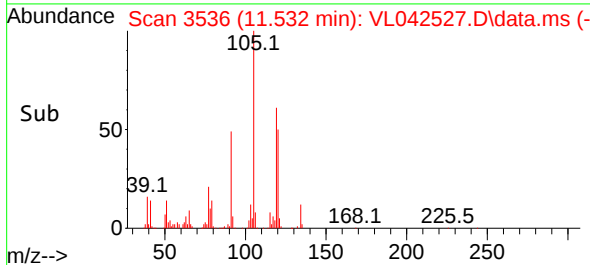
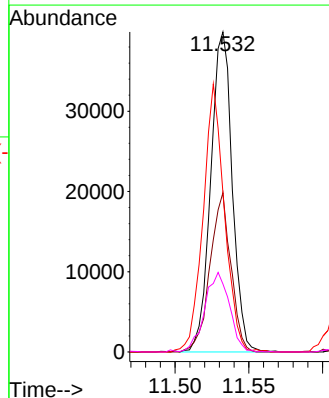
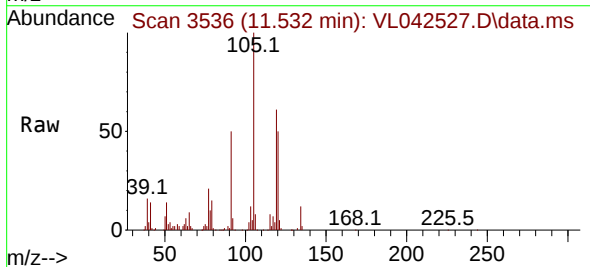
Ion Ratio Lower Upper

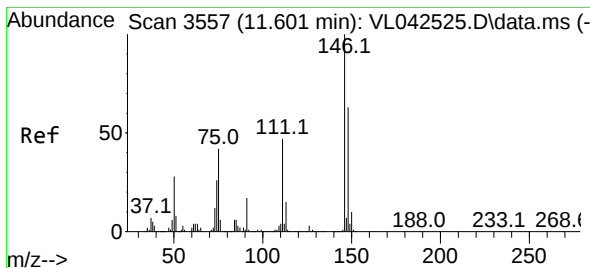
105 100

120 49.7 39.0 58.6

91 49.8 49.4 74.2

77 21.2 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 0.994 ppbv

RT: 11.600 min Scan# 3557

Delta R.T. -0.000 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

Instrument :

MSVOA_L

ClientSampleId :

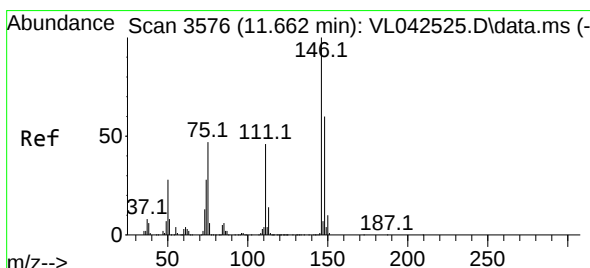
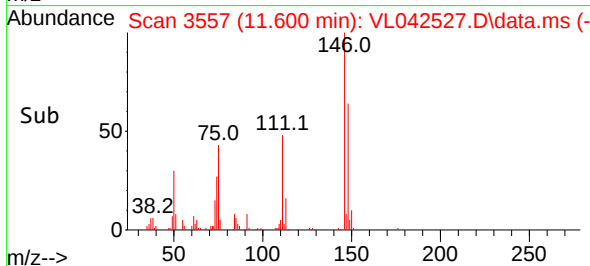
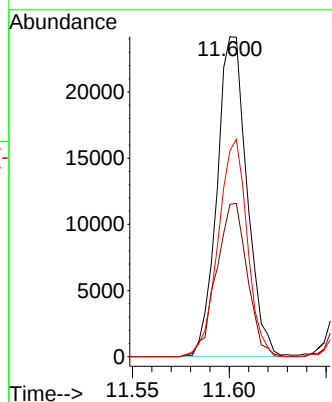
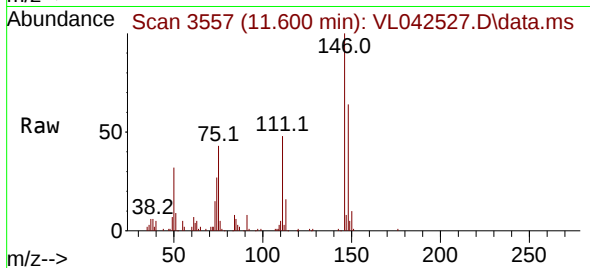
VSTDICC001

Tgt Ion:	146	Resp:	26018
Ion Ratio	Lower	Upper	
146	100		
111	49.3	23.6	71.0
148	65.6	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#76

1,4-Dichlorobenzene

Concen: 0.947 ppbv

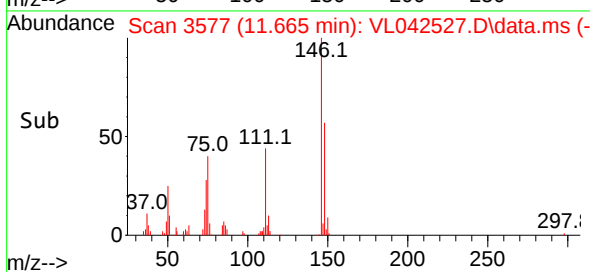
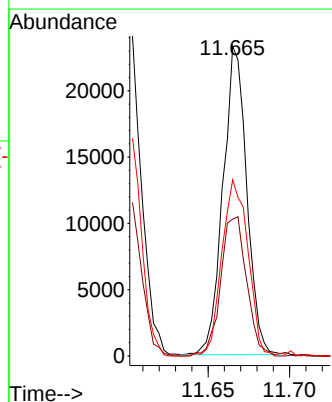
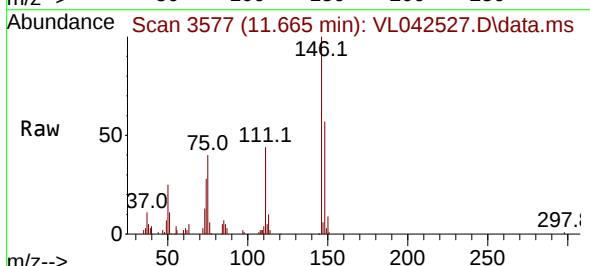
RT: 11.665 min Scan# 3577

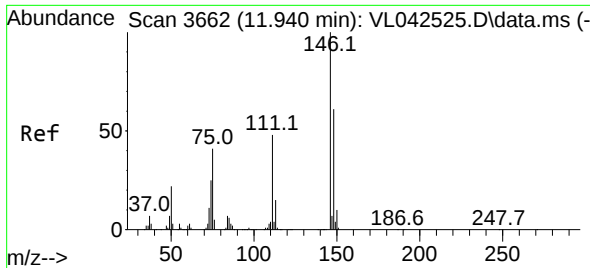
Delta R.T. 0.003 min

Lab File: VL042527.D

Acq: 12 May 2025 10:07

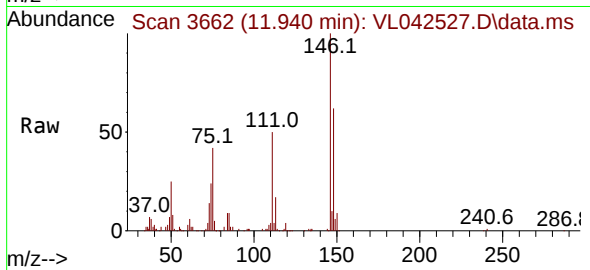
Tgt Ion:	146	Resp:	23564
Ion Ratio	Lower	Upper	
146	100		
111	49.1	23.4	70.3
148	63.4	31.6	94.7





#77
1,2-Dichlorobenzene
Concen: 0.998 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

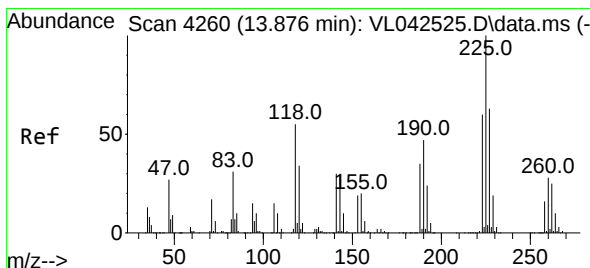
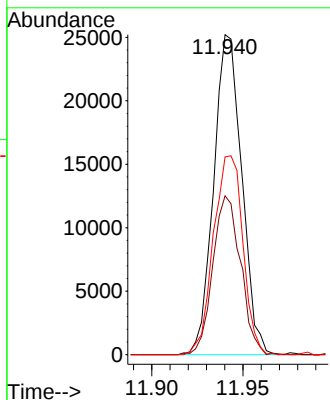
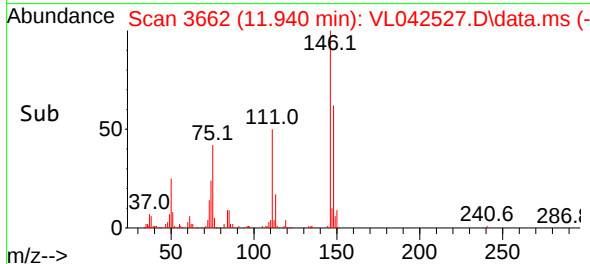
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



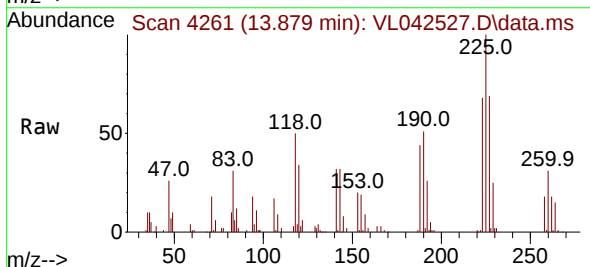
Tgt Ion:146 Resp: 26975
Ion Ratio Lower Upper
146 100
111 49.1 24.9 74.8
148 65.4 31.4 94.2

Manual Integrations
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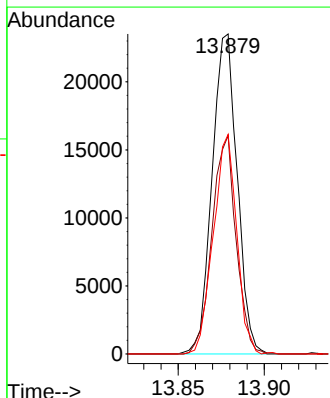
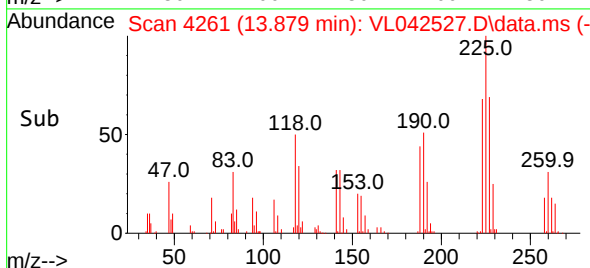
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

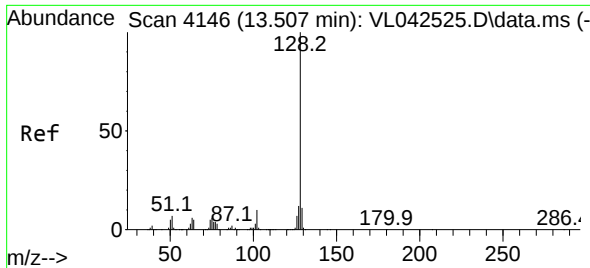


#78
Hexachloro-1,3-Butadiene
Concen: 1.028 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



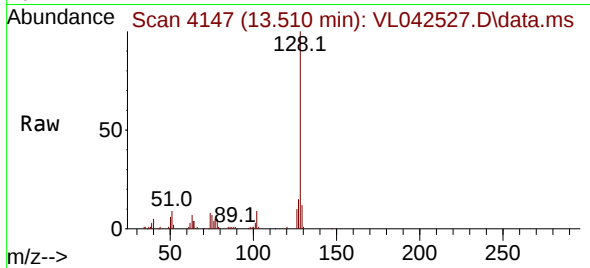
Tgt Ion:225 Resp: 23824
Ion Ratio Lower Upper
225 100
223 65.5 50.8 76.2
227 64.1 50.5 75.7





#79
Naphthalene
Concen: 0.846 ppbv
RT: 13.510 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07

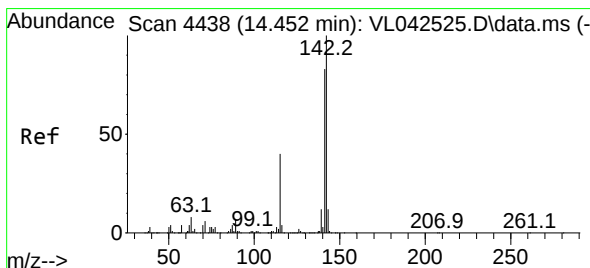
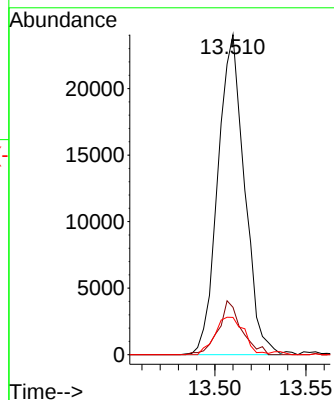
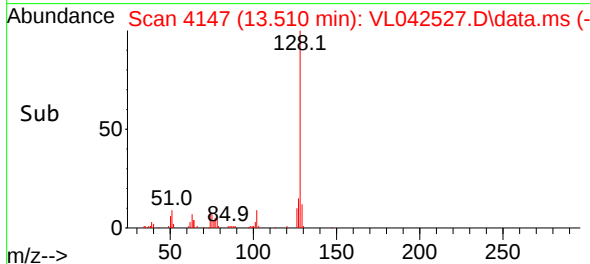
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



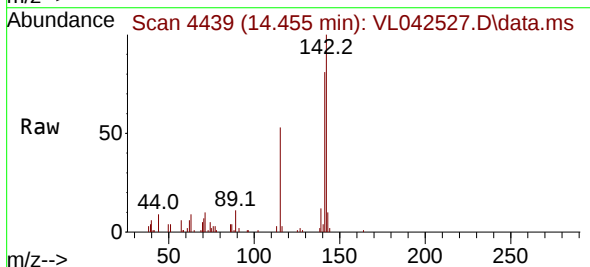
Tgt Ion:128 Resp: 24409
Ion Ratio Lower Upper
128 100
127 14.8 9.8 14.8
129 11.7 8.6 12.8

Manual Integrations
APPROVED

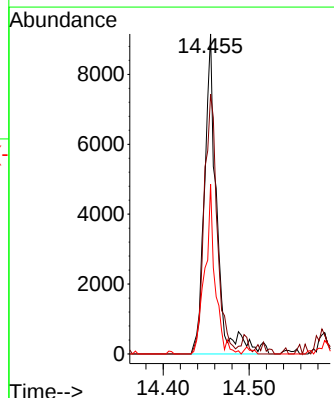
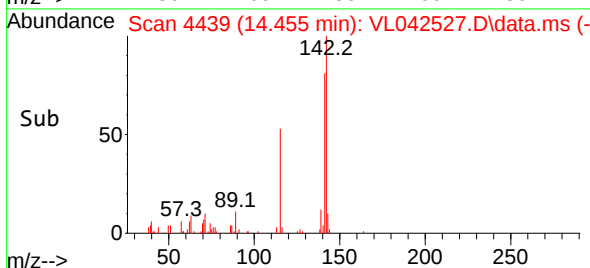
Reviewed By :Semsettin Yesilyurt 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

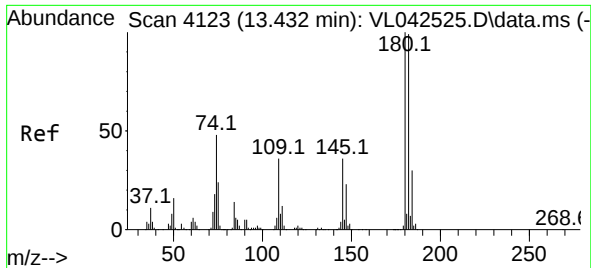


#80
Naphthalene,2-methyl-
Concen: 0.541 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL042527.D
Acq: 12 May 2025 10:07



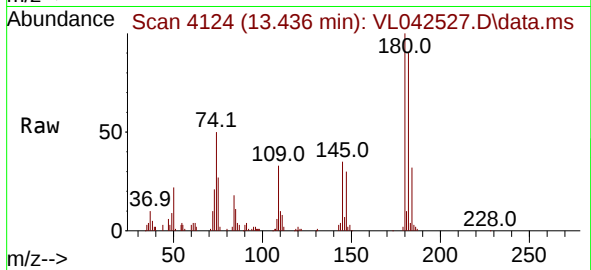
Tgt Ion:142 Resp: 9088
Ion Ratio Lower Upper
142 100
141 85.9 66.8 100.2
115 44.2 33.0 49.6





#81
 1,2,4-Trichlorobenzene
 Concen: 0.829 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042527.D
 Acq: 12 May 2025 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:180 Resp: 14600
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.6 114.8
 184 35.3 24.6 36.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

